TOWN OF RIVERHEAD
STORM WATER MANAGEMENT PROGRAM

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
SPDES GENERAL PERMIT FOR STORMWATER DISCHARGES FROM
MUNICIPAL SEPARATE STORM SEWER SYSTEMS (MS4S)
PERMIT NO. GP-0-24-001, ISSUED PURSUANT TO ARTICLE 17,
TITLES 7, 8 AND ARTICLE 70 OF THE ENVIRONMENTAL
CONSERVATION LAW

March 2009
Revision 1 December 2010
Revision 2 March 2011
Revision 3 March 2012
Revision 4 August 2012
Revision 5 March 2013
Revision 6 March 2014
Revision 7 March 2016
Revision 8 May 2016
Revision 9 December 2021
Revision 10 May 2024
Town of Riverhead

Prepared for

TOWN OF RIVERHEAD
OWNED AND OPERATED SEPARATE STORM WATER SEWER SYSTEM

Prepared by

TOWN OF RIVERHEAD
ENGINEERING DEPARTMENT AND STORM WATER MANAGEMENT OFFICE

TOWN OF RIVERHEAD STORM WATER MANAGEMENT PROGRAM

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Appendix B New York State Department of Environmental Conservation SPDES General Permit for Stormwater Discharges from Construction Activity, Permit No. GP-0-15-002

Appendix C Town Educational Pamphlets and Posters

Appendix D Inventory and Description of Municipal Buildings, Municipal Parking Lots, Waterfront Parks and Recreational Parks

Appendix E Construction Activity Code Adoption and Procedures for SWPPP Review and Inspections Construction Site Inventory

Appendix F Illicit Discharge Detection and Elimination Code Adoption, Procedures, Tracking, Priority Areas of Concern and Outfall Reconnaissance

Appendix G Post-Construction Management Plan

Appendix H Storm Water Pollution Prevention Plans
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Appendix I Training Program Plan
Municipal Operations Analysis
Department Operations Spreadsheet
Training Attendance Sheets
Inventory of Town Motor Vehicles
Goose Management Plan

Appendix J Town of Riverhead, Flanders Bay Watershed, Watershed Improvement Strategy (includes Retrofit Plan)

Appendix K Town of Riverhead, Peconic Bay Watershed, Watershed Improvement Strategy (includes Retrofit Plan)

Appendix L Construction Site Inventory

1. INTRODUCTION

The Town of Riverhead has developed a storm water management program (TORSWMP) as required for coverage under the Final Permit for New York State Department of Environmental Conservation SPDES General Permit for Stormwater Discharges from Municipal Separate Storm Sewer Systems (MS4s) Permit No. GP-0-24-001, specific permit NYR-20A020.

The aim of this program is to control storm water runoff discharges from the Town facilities, and developed land within the Town to the waters of the United States in accordance with the requirements of federal Phase II storm water regulations under the Clean Water Act. The aim of the Clean Water Act, the federal Phase II storm water regulations and the program proposed in this document is to reduce to the "maximum extent practicable" pollutants in storm water discharges. The concern for controlling storm water discharges can be traced to the 1972 Clean Water Act's Section 208 provisions for evaluating the impacts of and recommending controls for point and nonpoint source discharges in conjunction with the development of hundreds of area-wide water quality management plans known as "208 plans". Some of the stormwater pollutants identified in these studies include suspended solids, sediments, bacteria, nutrients, pesticides, herbicides, toxics, floatables, oil, grease, heavy metals, synthetic organics, petroleum hydrocarbons and oxygen demanding substances. The adverse impact of these pollutants in storm water discharges include closed beaches, closed shellfish areas and toxic contamination causing fish consumption bans, beach and shoreline litter, floatables, siltation of marina and shipping channels, habitat/wetland degradation, and stream bank erosion.

The TORSMWP includes a listing of Best Management Practices (BMP's) that will be implemented by the Town in order to achieve the regulatory standard of reducing pollutants in the Town's storm water to the maximum extent practicable. Existing Town storm water programs and activities designed to protect the Town's water quality will be supplemented with new BMP activities. Initial measurable goals and an implementation schedule were developed for each of the BMP's in the TOR SWMP. The BMP's, measurable goals, implementation schedule and initial TORSWMP were developed by Dvirka and Bartilucci Consulting Engineers in March 2003, and recently updated to comply with Permit No. GP-0-24-01 by the Town's Engineering and Storm Water Management Office. The BMP's, measurable goals and implementation schedule were selected based on their ability to meet specific permit requirements and to reduce pollutants in the Town's storm water runoff to the maximum extent practicable. They were also selected based upon a general assessment of BMP effectiveness; applicability to Town of Riverhead, and cost associated with the implementation of the BMP's. Effectiveness of the selected BMP's, and success in achieving the selected measurable goals will be reviewed annually and modified, if necessary.

1.1. PROGRAM DEVELOPMENT

The Town of Riverhead has developed a TORSWMP in accordance with the SPDES requirements for obtaining authorization for storm water discharges and certain non-storm water discharges. This TORSWMP has been developed in accordance with guidelines published by the New York State Department of Environmental Conservation (NYSDEC) for coverage under SPDES General Permit No. GP-0-15-003. The TORSWMP has been developed to facilitate the Town's efforts in reducing storm water pollutants from the Town's municipal separate storm sewer system (MS4) to the maximum extent practicable as required by the SPDES General Permit.

The TORSWMP describes specific actions that will be taken to reduce pollutants and protect the Town's surface waters. The specific activities to be implemented are referred to as "Best Management Practices" (BMP's). Various BMP's have been developed for each of the six "Minimum Control Measures" (MCM's) required by the General Permit. The TORSWMP also sets measurable goals and provides a

schedule for the implementation of the BMP's. Implementation of the selected BMP's is expected to result in reductions of pollutants discharged into the Town's streams, ponds, tidal estuaries, embayment's and the Long Island Sound.

1.2. BEST MANAGEMENT PRACTICE SELECTION

The Town of Riverhead has historically implemented various storm water related BMP's intended to specifically protect the Town's storm water quality. An important aspect of developing an effective, compliant and cost effective SPDES Phase II SWMP is to take credit for these on-going programs. Details of the Town's storm water related programs have been collected, summarized and categorized into each of the six MCM's required by the General Permit. Some of these existing programs meet specific General Permit requirements, while others contribute toward fulfilling the General Permit mandate of reducing pollution to the Maximum Extent Practicable (MEP). Alternative BMP's will be evaluated on a yearly basis as the TORSWMP is reviewed and modified.

MINIMUM CONTROL MEASURES

In accordance with SPDES General Permit requirements, the TORSWMP includes an implementation plan for BMP's in each of six Minimum Control Measures. The six minimum control measures are:

1. Public Education and Outreach on Stormwater Impacts
2. Public Involvement and Participation
3. Illicit Discharge Detection and Elimination
4. Construction Site Stormwater Runoff Control
5. Post Construction Stormwater Management and,
6. Pollution Prevention and Good Housekeeping.

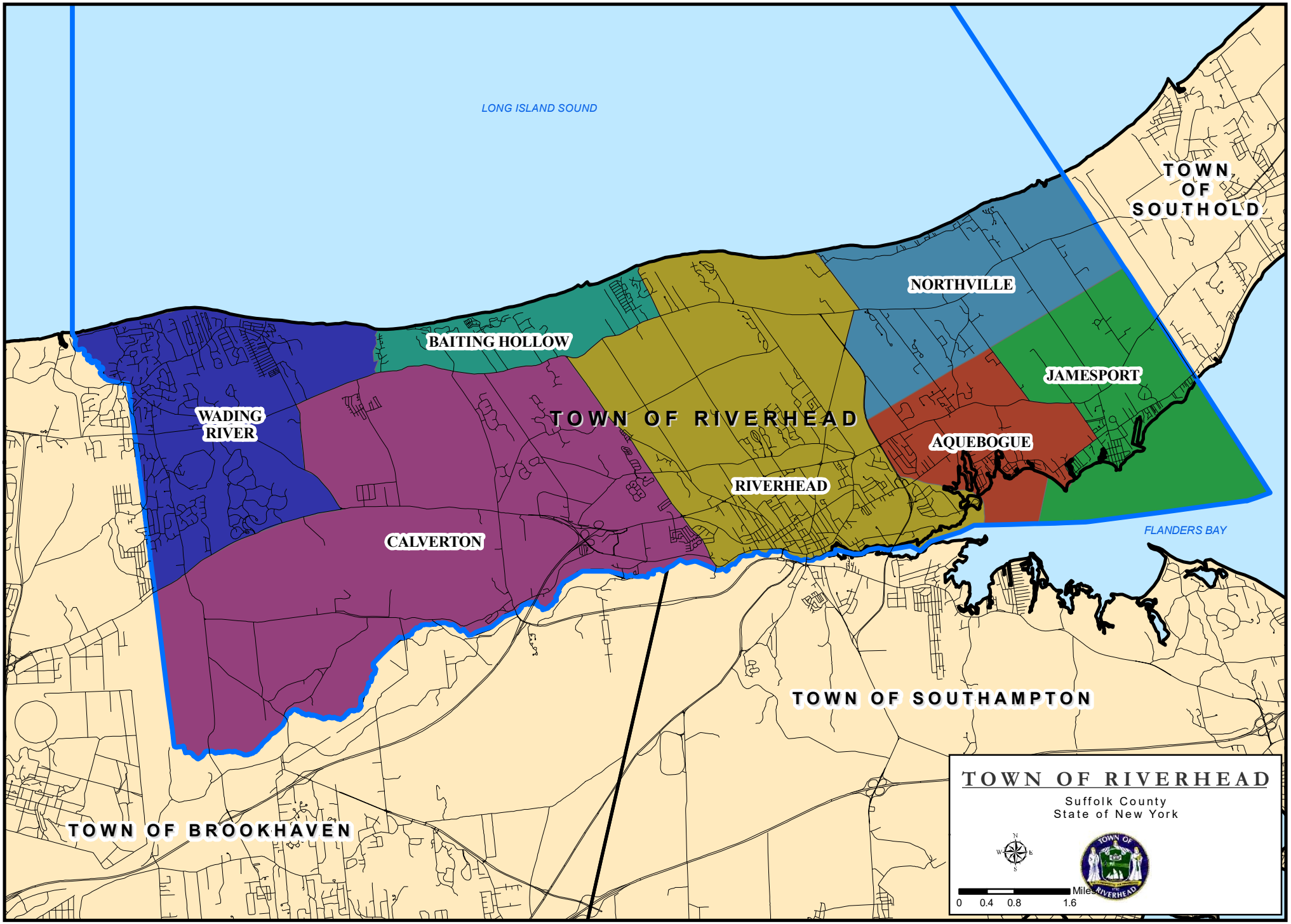
Specific requirements of each MCM are provided in the following sections.

1.3. TOWN OF RIVERHEAD MUNICIPAL BACKGROUND

The Town of Riverhead, located in the eastern end of Long Island in Suffolk County, encompasses an area 4.75 miles wide and extends approximately 15 miles from west to east, and covers approximately 78 square miles (49,920 acres). Located 70 miles from NYC, Riverhead lies between the Peconic River and the Great Peconic Bay on the south, and the Long Island Sound to the north as shown in Figures 1-1 and 1-2.

TOWN OF RIVERHEAD
STORM WATER MANAGEMENT PLAN

LONG ISLAND MAP
FIGURE 1-1



TOWN OF RIVERHEAD
STORM WATER MANAGEMENT PLAN

TOWN COMMUNITIES
FIGURE 1-2

According to the 2010 U.S. Census Bureau, the population of the Town is 33,506. A breakdown of the area (square Miles) and population of the communities in the Town is provided in Table 1-1

Table 1-1
Town of Riverhead Area and Population

Designated Places (Hamlets)	**Area (sq.mi.)**	**Population**	**% of Total Pop.**
Aquebogue	3.8	2,438	7.3
Baiting Hollow	3.2	1,642	4.9
Calverton, part	23.6	5,358	16.0
Jamesport	4.5	1,710	5.1
Riverhead	15.1	13,299	39.7
Wading River	9.8	7,719	23.0
Northville	7.4	1,340	4.0
	67.4	33,506	100.0%

The Town of Riverhead is governed by the Town Supervisor and four Town Council People. There are several different departments tasked with running the different public service offices of the Town included but not limited to:

- Accounting Department
- Assessor's Office
- Building Department
- Sanitation Department
- Sewer District
- Highway Department
- Justice Court
- Municipal Garage
- Planning Department
- Police Department
- Recreation Department / Intergenerational Program
- Senior Services Department
- Fire Marshal
- Community Development
- Tax Receiver's Office
- Town Attorney's Office
- Town Clerk's Office
- Town Engineering (SMO)
- Water District

1.3.1. COMMUNITY RESOURCES

For purposes of stormwater management and planning, key community resources consist of parks, schools and libraries. These facilities are important elements in the public education, outreach and participation aspects (MCMs 1 and 2) of the storm water management plan.

1.3.1.1. PARKS

Parks and recreation resources in the Town include State, County and Town parks; State conservation areas; private camps and clubs; public golf courses; public school sites; and the Pine Barrens Core Preservation Area (see Fig. 1-3).

TOWN OF RIVERHEAD
STORM WATER MANAGEMENT PLAN

PINE BARRENS CORE PRESERVATION AREA
FIGURE 1-3

The major Town parks include the following

NAME	LOCATION	FEATURES
9/11 Memorial Park	11 Riley Avenue, Calverton	3.74 acres, memorial to 911 Victims
9/11 Memorial Park	Park Road, Riverhead	4.0 acres, memorial to 911 Victims
Ammerman Park - Riverfront	Peconic Avee./Heidi Behr Way, Riverhead	1.55 acres, riverfront board walk and picnic tables, fishing, boating, canoeing, kayaking
Bayberry Park	21 Bayberry Rd., Wading River	7.1 acres, softball field, tennis and handball courts, basketball court, bocci and shuffleboard courts, nature trails, playground
Burns Park	45 Peconic Ave, Riverhead	0.05 acres with view of Grangebel Park and Ammerman Park
Community Garden & Playground	121, 123, 125 West Main Street, Riverhead	0.49 acres, community garden with playground
Duke Dog Park	Columbus Avenue, Riverhead	0.1 acres, includes water
Edwards Avenue Beach	1846 Edwards Avenue, Baiting Hollow	Beach
George Schmelzer Pocket Park	Rt. 25., Riverhead	Picnic area, garden
George Young Community Center	446 S. Jamesport Ave., Jamesport	2.90 acres, play equipment, baseball field, picnic area
Grangebel Park	105 West Main Street, Riverhead	3.3 acres, walking paths, band shell, picnic area- situated on the Peconic Riverfront
Grumman Airplane Memorial	4715 Middle Country Road, Calverton	Memorial park with two retired planes, a F-14A and a A-6E, 1.18 acres
Horton Avenue Park	1390 Horton Ave., Riverhead	Play equipment, basketball court, picnic area, 4.3 acres
Henry Pfeiffer Comm. Center	4062 Grumman Blvd, Calverton	1.0 acre, play equipment, community center, picnic area
Iron Pier Beach	344 Pier Ave., Jamesport	Play equipment, picnic area, public beach with restrooms, 16.6 acres
Isaac Dog Park	5789 Middle Country Road, Calverton	0.45 acres, includes water
Jamesport Beach, Park and Snack Bar	71 and 75 Town Beach Road., Jamesport	19.29 acres, snack bar, two tennis courts, basketball court, picnic area, public beach with restrooms and play equipment, boardwalk and pavilions
John Lombardi Memorial Park	12 First Street, Riverhead	Gazebo and garden area .31 acres –adjacent to the Suffolk County Community College Culinary Arts
Laurel Lane Beach	9 Laurel Lane, Laurel	Beach
Meeting House Creek Park	288 Meeting House Creek Rd., Aquebogue	0.09 acres, picnic area, garden
Miamogue Point Park	45 Front Street, South Jamesport	2.6 acres with boardwalk and play equipment
Millbrook Park	46 Lewis Street	0.76 acres, playground equipment, ½ basketball court, picnic tables
Nadel Park	9 Joyce Drive, Riverhead	Neighborhood Park 1.4 acres with new play equipment and a poured safety surface
Oakland Drive Park	63 Oakland Drive West, Riverhead	0.64 acres, playground equipment and ½ basketball court, picnic tables

Reeve's Beach	260 Park Road, Riverhead	Gazebo, timber boardwalks, beach access, public beach and restrooms, 13.6 acres
Roanoke Avenue Beach	2721 Roanoke Avenue, Riverhead	Beach
Sound Avenue Preserve	3162 Sound Avenue, Riverhead	Walking trail. 8.3 acres
Stotzky Memorial Park	1144 Pulaski St., Riverhead	32.6 acres, softball fields, little league fields, tennis courts, soccer field bleachers, picnic areas, day care center and 0.1 acre Duke Dog Park
Stotzky Park Skate Park	1236 Pulaski St., Riverhead	1.3 acres, state of the art skate park
Two Bears Park	163 Old Farm Road, Riverhead	Play equipment, tennis courts, 1.2 acres
Veterans Memorial Park	5789 Middle Country Road, Calverton	1980 acres in development with playground, three softball fields, one baseball field, 4 multipurpose fields, tennis courts, handball courts, picnic areas, 9 miles biking and walking trail, and 0.41 acre Isaac Dog Park.
Wading River Beach	230 Creek Road, Wading River	Play equipment, gazebo, picnic area, public beach and restrooms, 1.26 acres
Wading River Duck Ponds	North Country Road, Wading Riverhead	Two small ponds, green space with benches and a parking lot
Weeping Willow Park	967 West Main Street, Riverhead	0.45 acre with canoe/kayak launch.

*Full descriptions and site inventories for these facilities are located in Appendix D.

1.3.1.2. LIBRARIES

- Riverhead Free Library
- Suffolk County Law Library

1.3.1.3. SCHOOLS

- Riverhead Central School District
- Riverhead Charter School
- Dowling College-Riverhead Center
- Suffolk County Community College Culinary Arts
- World of Life Ministries
- St. David's School
- St. John Paul II Regional Roman Catholic School
- B.O.C.E.S.

1.4. NATURAL RESOURCES

The east end of Long Island has many natural resources which make it optimum for farming, living, and recreating. These natural resources are a precious commodity and must be protected through preservation, conservation and smart land development planning.

1.4.1. TOPOGRAPHY AND SOILS

The topography of the Town ranges from flat along the coasts to rolling hills in the interior portions. Elevations range from sea level along the shores of the Long Island Sound, Peconic Bay and Flanders Bay, to over 200 feet on the hills near Roanoke Point off the north central coast of Town.

Based on the General Soils Map in the U.S. Department of Agriculture Soil Conservation Service Soil Survey of Suffolk County, NY, the predominant soil associations in the Town are as follows:

- Carver-Plymouth-Riverhead: Deep, rolling, excessively drained and well drained, coarse textured and moderately coarse textured soils on moraines. This association exists mostly along the shore of the Long Island Sound
- Haven-Riverhead: Deep, nearly level to gently sloping, well drained, medium textured and moderately coarse textured soils on outwash plains. This association exists mostly in the interior areas of the Town between the Long Island Sound and the Peconic River.
- Plymouth-Carver, rolling and hilly: Deep, excessively drained, coarse-textured soils on moraines. This association exists mostly along the Peconic River corridor.

There are isolated areas within the Town of Riverhead that contain the Berryland Mucky Sand Dune Land, Beaches, and Escarpments.

1.4.2. WATER BODIES

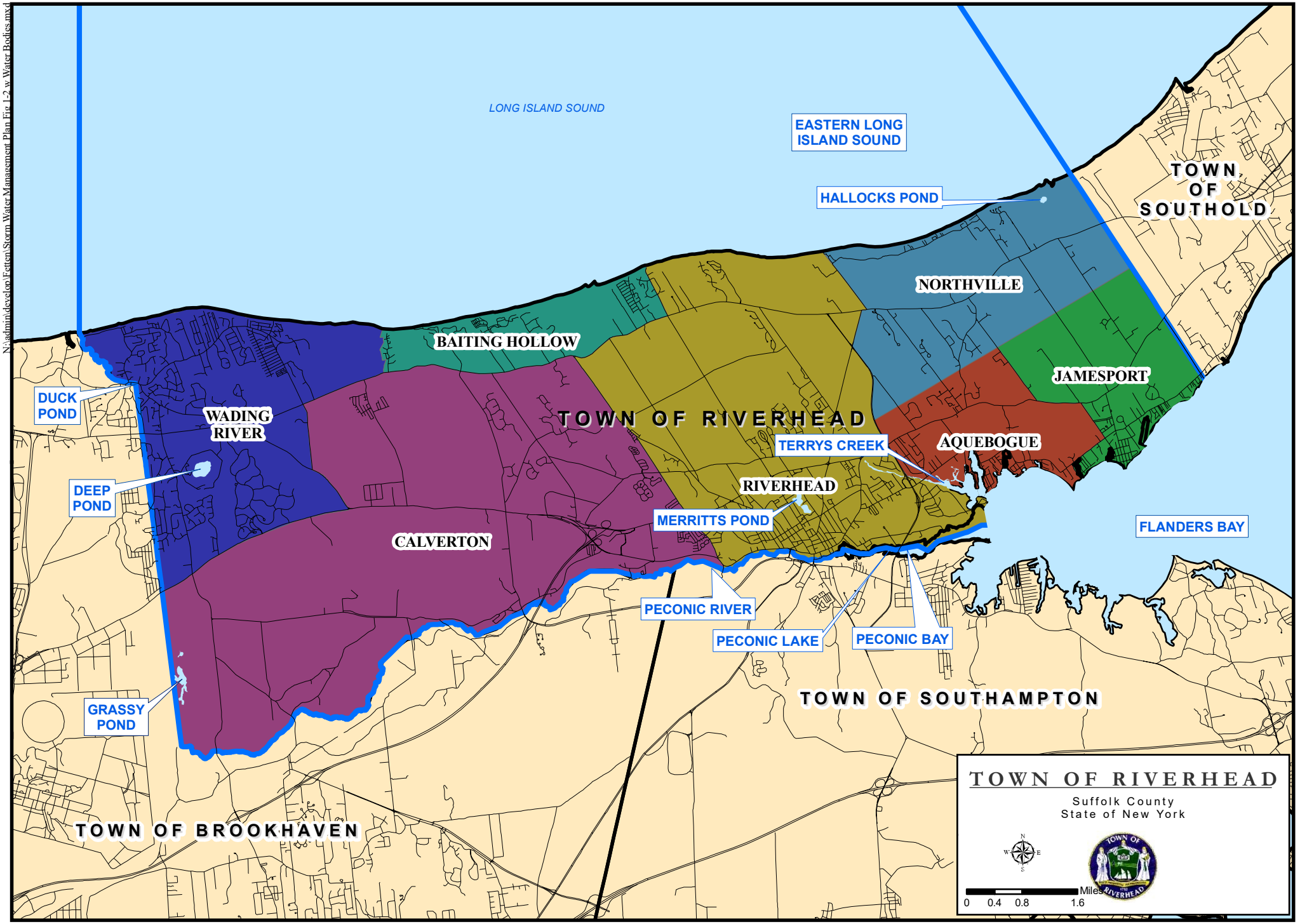
Key surface water resources in the Town include the Long Island Sound and the Peconic Estuary. Other important water bodies include named and unnamed streams, creeks and small lakes/ponds. Surface water bodies in the Town are listed below and shown on Figure 1-2**.**

- Bay Woods Cove
- Case's Creek
- Deep Pond
- Duck Ponds
- East Creek
- Eastern Long Island Sound
- Flanders Bay
- Grassy Pond
- Hallocks Pond
- Hawk's Creek
- Meetinghouse Creek
- Merritts Pond
- Miamogue Lagoon
- Peconic Bay
- Peconic Lake
- Peconic River
- Reeve's Creek
- Terry's Creek

In 1978, the Long Island Regional Planning Board (LIRPB) published the Long Island Comprehensive Waste Treatment Management Plan (commonly known as the 208 Plan). The plan introduced the concept of hydrogeologic zones based on differences in underlying groundwater flow patterns and water quality. There are two types of zones. The first are land areas that contribute recharge to the deep aquifers; the second are land areas that contribute recharge to the shallow aquifers and are considered discharge zones. The plan identified eight hydrogeologic zones. Zones I, II and III are the major deep recharge zones. Zones IV through VIII are the shallow discharge zones.

Most of the areas in the Town are in Zones III or IV. Some of the coastal area in the northwestern part of the Town (Wading River) is in Zone VIII. Zone III contains groundwater of excellent quality in the upper glacial, Magothy and Lloyd aquifers. Zone IV is characterized by shallow flow systems that discharge to streams and marine waters. There has been some contamination from agricultural activities in parts of Zone IV.

Special Groundwater Protection Areas (SGPAs) were identified in the Groundwater Management Program for Long Island, NYSDEC, 1983, and in the 208 Nonpoint Source Management Handbook, LIRPB, 1984. These areas are defined as significant, largely undeveloped or sparsely developed geographic areas of Long Island that provide recharge to portions of the deep flow aquifer system. The southwestern portion of the Town is partially within the Central Suffolk Pine Barrens SGPA. This area, like all other SGPAs, requires sound management in order to be maintained as a source of good quality recharge to the aquifer system. Figure 1-3 shows the hydrogeologic zones and the SGPA in the Town.



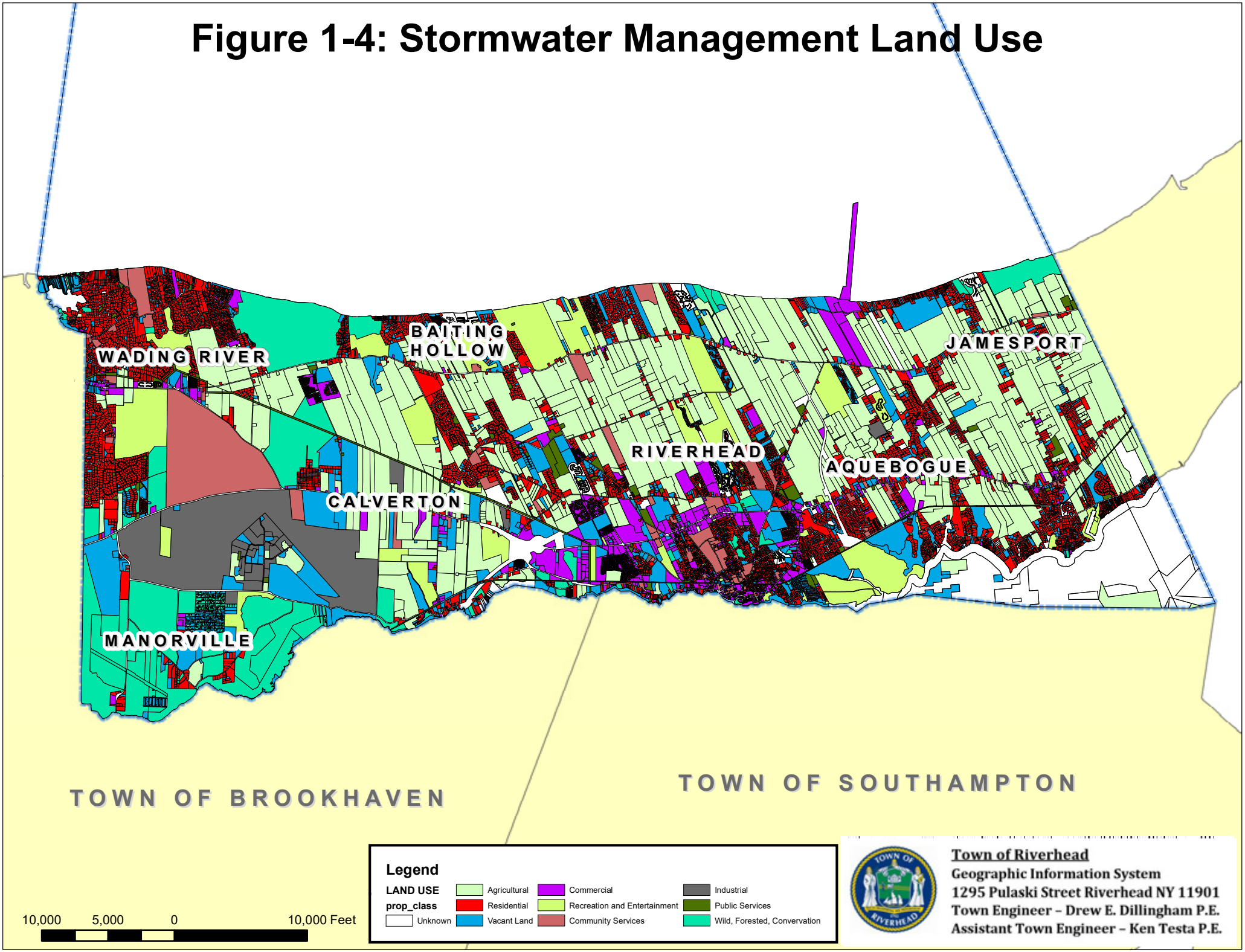
TOWN OF RIVERHEAD
STORM WATER MANAGEMENT PLAN

TOWN COMMUNITIES
FIGURE 1-2

1.4.3. LAND USE

The Town of Riverhead has been developed with three main roadways, NYS 25, CR 58, and Sound Avenue. There is a distinguished urbanized downtown area along NYS 25 centralized between Raynor Avenue and Ostrander Avenue in the Town of Riverhead. Between Sound Avenue and NYS 25 and CR 58, there are many rural areas developed with agricultural lands. There is a large quantity of residential subdivisions north of Sound Avenue, south of NYS 25 and CR 58. See the Figure 1-4 for Land Use within the Town.

Figure 1-4: Stormwater Management Land Use



Town of Riverhead
Geographic Information System
1295 Pulaski Street Riverhead NY 11901
Town Engineer – Drew E. Dillingham P.E.
Assistant Town Engineer – Ken Testa P.E.

2. EXISTING MUNICIPAL STORM SEWER

During the developing years of Riverhead in the late 1800s through to the 1970s, Engineers believed one of the best resources that we had were water bodies to discharge stormwater, sanitary wastes, and other pollutants into. "The solution to pollution is dilution". Although there are no known sewage outfalls remaining, there are still many storm water outfalls that discharge to water bodies, such as streams, ponds, rivers, the Peconic Bay and the Long Island Sound. The Town's highway infrastructure currently contains isolated drainage systems that discharge stormwater to recharge basins or infiltration basins (leaching pools), direct discharges to surface water bodies, and infiltration into adjacent areas. The onsite storage of stormwater was typically achieved by the installation of drywells, recharge basins, or drainage reserve areas. In many cases, these facilities also included overflow structures that directed storm water resulting from extreme rainfall events to either other recharge basins or to drainage facilities that ultimately discharged to the surface waters of the United States.

The current inventory of storm water facilities within the Town include:

- 7 stormwater outfalls along the North Shore
- 12 stormwater outfalls along the Peconic River
- 7 Suffolk County Recharge Basins
- 2 New York State Recharge Basins
- 132 Town Recharge Basins
- 56 Recharge Basins in residential subdivision that have not yet been transferred to the Town or are privately owned.

2.1. HIGHWAY DEPARTMENT

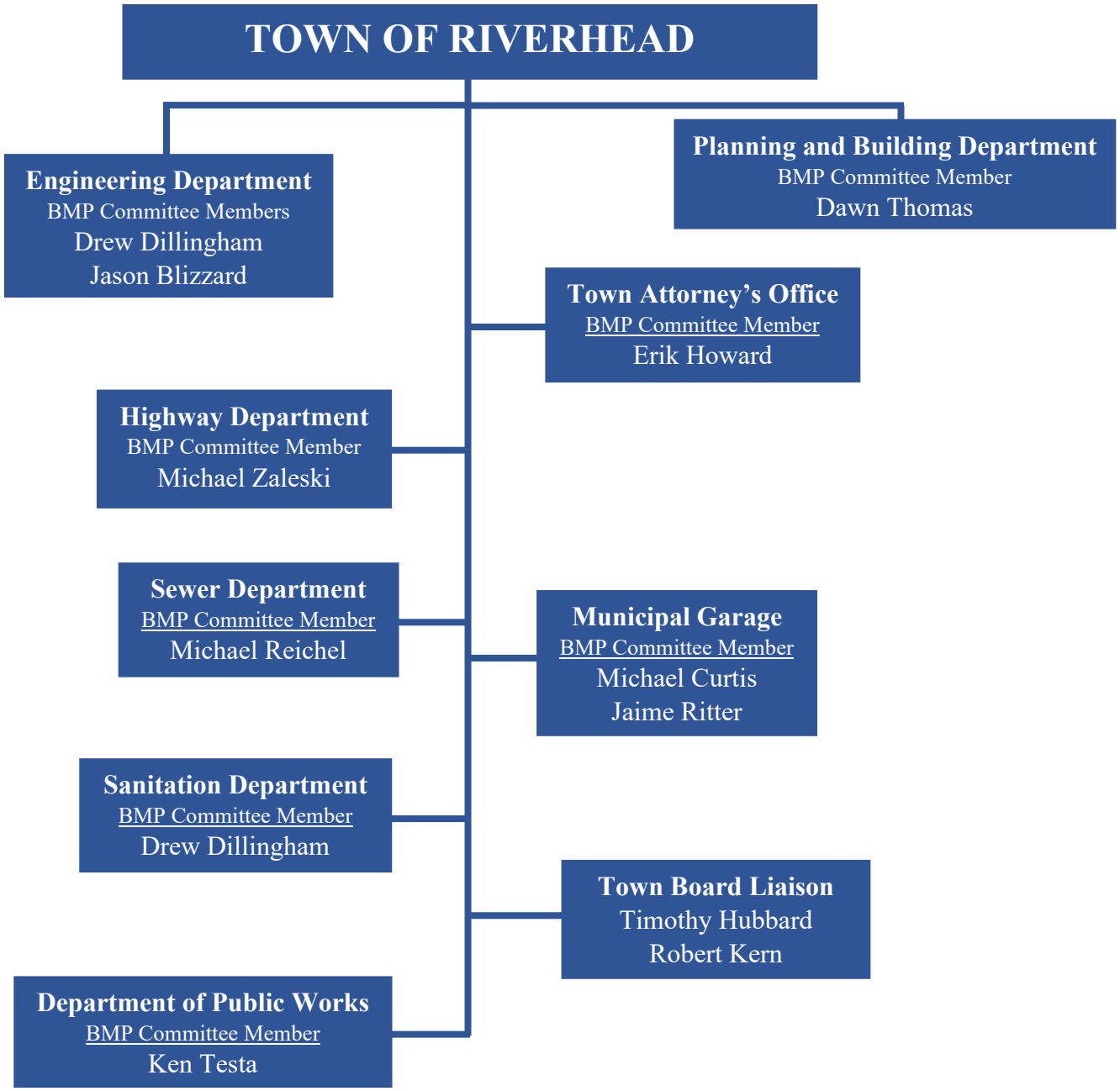
The Riverhead Highway Department is charged with maintaining municipal roads which include the un-improved Right-of-Ways, paved roads, pedestrian amenities, and stormwater systems which include the MS4 system of swales, catch basins, leaching pools, recharge basins, and all interconnecting pipes.

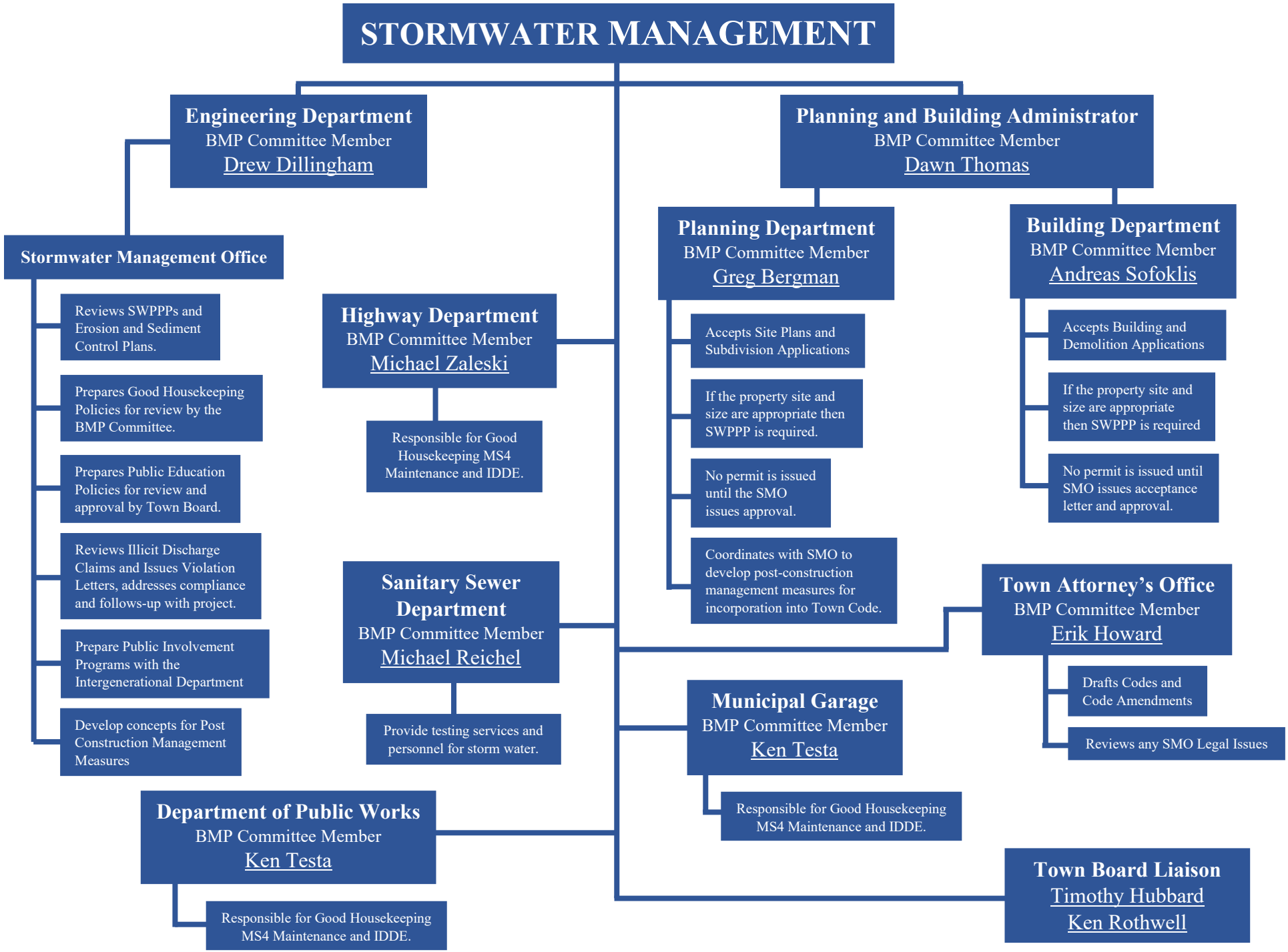
2.2. BEST MANAGEMENT PLAN COMMITTEE

The Town has established the Stormwater Management Office (SMO) which is incorporated into the Engineering Department. The SMO works directly with the Highway Superintendent, Planning Department, Building Department and the Town Attorney's Office. The purpose of the SMO is to oversee the implementation of the Stormwater Management Program in reviewing SWPPP's for new developments, developing programs and policies regarding IDDE, Good Housekeeping, Public Education and Participation, and Capital Improvement Projects to improve quality of stormwater discharging to impaired water bodies, and all other surface water bodies.

The Best Management Practices (BMP) Plan Development for the Town of Riverhead specific to Stormwater is handled by a BMP Committee. A BMP committee is comprised of interested staff within the Town's organization. The committee represents the Town's interests in all phases of the Stormwater BMP plan development, implementation, oversight, and plan evaluation.

The BMP Committee has been developed to assist the Town in managing all aspects of the SWMP. The committee functions to conduct activities and shoulder the responsibilities of all elements discussed in the SWMP. The Town's BMP Committee's organization chart is shown in Exhibit 3.1-1.


TOWN OF RIVERHEAD
Engineering Department
BMP Committee Members
Drew Dillingham
Jason Blizzard
Planning and Building Department
BMP Committee Member
Dawn Thomas
Town Attorney's Office
BMP Committee Member
Erik Howard
Highway Department
BMP Committee Member
Michael Zaleski
Sewer Department
BMP Committee Member
Michael Reichel
Municipal Garage
BMP Committee Member
Michael Curtis
Jaime Ritter
Sanitation Department
BMP Committee Member
Drew Dillingham
Town Board Liaison
Timothy Hubbard
Robert Kern
Department of Public Works
BMP Committee Member
Ken Testa


STORMWATER MANAGEMENT
Engineering Department
BMP Committee Member
Drew Dillingham
Stormwater Management Office
Reviews SWPPPs and Erosion and Sediment Control Plans.
Prepares Good Housekeeping Policies for review by the BMP Committee.
Prepares Public Education Policies for review and approval by Town Board.
Reviews Illicit Discharge Claims and Issues Violation Letters, addresses compliance and follows-up with project.
Prepare Public Involvement Programs with the Intergenerational Department
Develop concepts for Post Construction Management Measures
Highway Department
BMP Committee Member
Michael Zaleski
Responsible for Good Housekeeping MS4 Maintenance and IDDE.
Sanitary Sewer Department
BMP Committee Member
Michael Reichel
Provide testing services and personnel for storm water.
Department of Public Works
BMP Committee Member
Ken Testa
Responsible for Good Housekeeping MS4 Maintenance and IDDE.
Planning and Building Administrator
BMP Committee Member
Dawn Thomas
Planning Department
BMP Committee Member
Greg Bergman
Accepts Site Plans and Subdivision Applications
If the property site and size are appropriate then SWPPP is required.
No permit is issued until the SMO issues approval.
Coordinates with SMO to develop post-construction management measures for incorporation into Town Code.
Building Department
BMP Committee Member
Andreas Sofoklis
Accepts Building and Demolition Applications
If the property site and size are appropriate then SWPPP is required
No permit is issued until SMO issues acceptance letter and approval.
Town Attorney's Office
BMP Committee Member
Erik Howard
Drafts Codes and Code Amendments
Reviews any SMO Legal Issues
Municipal Garage
BMP Committee Member
Ken Testa
Responsible for Good Housekeeping MS4 Maintenance and IDDE.
Town Board Liaison
Timothy Hubbard
Ken Rothwell

To be most effective, the committee must perform tasks efficiently and smoothly. In large part, the personnel selected to act as committee members will determine the committee's success. Some of the considerations for personnel selection include the following:

- A lead committee member must be determined –
  - SMO charged with drafting policies based on documented BMPs for review by the BMP committee.
- Committee members must include persons knowledgeable of the areas involved with the Stormwater Processes.
  - Engineering Department / SMO office – Receives and reviews new SWPPP applications. Works with Capital Improvement Projects, oversees the Town's Buildings and Ground's Division. Works to implement Town's Good Housekeeping Training, Public Awareness Programs.
  - Hwy Dept.- develops new recharge basins, drainage installations, cleans and rehabilitates Town's MS4 system. First line of detection of Illicit Discharges.
  - Planning Dept.- receives new Site Plan applications for commercial developments, and subdivision applications - land disturbing activities.
  - Building Dept. – receives applications for building permits, demolition and excavation permits – land disturbing activities.
  - Town Attorney's Office-Drafts code amendments to enhance the Town's enforcement of the Federal Clean Water Act and the SPDES General Permit for Stormwater Discharges. Interprets legal issues with the SMO.
  - Town Board Representative- Provides constituent concerns to the committee members, acts as a liaison to the remaining board members and the Town Supervisor on Stormwater Issues.
- Committee members should have the authority to make decisions affecting the BMP plan development, implementation and revision process.
- The size of the committee must be appropriate for the function.
- The committee must represent affected areas of Town infrastructure.

2.3. POLLUTANTS OF CONCERN

In stormwater management, it is important to identify any waters in the planning area that are on the New York State Section 303(d) list of impaired waters. The Federal Clean Water Act requires states to periodically assess and report on the quality of water in their state. Section 303(d) of the Act also requires states to identify Impaired Waters, where specific designated uses are not fully supported. For these Impaired Waters, states must consider the development of a Total Maximum Daily Load (TMDL) or other strategies to reduce the input of the specific pollutant(s) that restrict the water body, in order restore and protect such uses. Additionally, states are required to provide an assessment and listing methodology that explains their approach to water quality monitoring, data evaluation and listing. Impaired stream segments and primary pollutants of concern listed in Appendix 2 of the Permit within the Town of Riverhead include the following:

1. Flanders Bay nitrogen

The Peconic Estuary Nitrogen Watershed Map in Appendix 8 shows the following nitrogen impaired watersheds:

1. Western Flanders Bay/Lower Sawmill Crk
2. Meethinghouse Creek and tribs
3. Terry's Crk and tribs
4. Peconic River and lower tribs

2.3.1. BACTERIA IN STORM WATER

Pathogens – Pathogens are viruses, bacteria, algae and protozoans that cause diseases in humans, animals and/or plants. Pathogenic or disease-causing bacteria are ubiquitous in nature and are normally associated with human and animal wastes. In many cases where human pollution is suspected on the basis of coliform test results, the actual pollution source may, in fact, be caused by animal wastes generated in the watershed's ponds, streams, streets, and yards. Storm water discharges throughout the watershed typically contain these bacteria. Based on numerous studies throughout the country over the last 15 to 20 years, it is not uncommon to find total coliform, fecal coliform and fecal streptococci in storm water runoff at very high concentrations, from hundreds of thousands to over a 100 million colonies per 100 ml (USEPA, 1992).

Bacteria levels in stormwater runoff routinely exceed public health standards for water contact recreation. Bacteria is a leading contaminant in many of New York's waters, and has led to shellfish bed closures in many areas of Long Island.

Pathogens may cause gastroenteritis, salmonellosis, and hepatitis A. Pathogens can enter the waterways through untreated or partially treated human sewage and wild/domestic animal waste. Two protozoa of major concern as waterborne pathogens are Giardia lamblia and Cryptosporidium parvum. Sources of pathogens in surface waters can be attributed to failing Sanitary Septic Systems, and animal waste that is conveyed through the stormwater sewer systems. Livestock wastes, and recreational boaters that dump untreated sewage are also likely contributors of pathogens to Riverhead's waterbodies. High concentrations of pathogens can cause bathing beach closures, and shellfish closures.

The Town of Riverhead has two-point source discharges that potentially convey concentrations of pathogens to the Peconic Estuary: Riverhead Sewer District outfall, and the Corwin Duck Farm on Meetinghouse Creek.

The Pathogen impairment in the Peconic Estuary is being addressed by implementation of the Town Code with content equivalent to the model local law (Part IV.E.1. and Part IV.E.2. of the SPDES 2024 General Permit).

The Town has made an effort to identify municipal facilities with nuisance bird populations that have the potential to contribute pathogens. There are no such facilities with nuisance bird populations in the Town.

2.3.2. NUTRIENTS (NITROGEN)

Nitrogen (Nutrients) – Although essential for sustaining marine ecosystems, excessive nutrient levels will result in eutrophication, which is an increase in plant growth and decay, that can be harmful to an estuary. Nitrogen, is considered a nutrient, and when the balance concentration is exceeded, it stimulates aquatic plant growth including algae and "seaweed". Under certain conditions, these algal blooms are damaging to fish and other aquatic animals by consuming the dissolved oxygen (DO) in the water they need to breathe. This condition, referred to as hypoxia can cause fish death. Excessive algae growth can cloud water, blocking sunlight from eelgrass which provides a nursery and spawning habitat for juvenile finfish and shellfish.

Nitrogen sources include agricultural and residential fertilizers, and on-site disposal systems (sanitary systems). The Town of Riverhead has a large quantity of farm land, it also has a sewage treatment outfall, as well as an active duck farm. In October 2007, New York State Department of Environmental Conservation implemented a Total Maximum Daily Load restriction for Nitrogen in the impaired waterbodies of the Peconic Estuary that include for the Town of

Riverhead: Terry's Creek, Meetinghouse Creek, Western Flanders Bay/Sawmill Creek and Peconic River.

Runoff from both developed land, and farmed land has elevated concentrations of both phosphorus and nitrogen, which can enrich streams, lakes, reservoirs and estuaries. Enrichment of waterbodies by nitrogen and phosphorus is known as eutrophication. Sources of these pollutants include fertilizer, atmospheric deposition, animal waste, organic matter, and stream bank erosion. Another source of nitrogen is fossil fuel combustion from automobiles, power plants and industry.

Nutrients are of particular concern in estuaries and are a source of degradation in many of New York's water bodies. Nitrogen has contributed to hypoxia in the Long Island Sound, and is a key pollutant of concern in the Peconic Estuary.

The Nitrogen impairment in the Peconic Estuary is being addressed by implementation of the Town Code with content equivalent to the model local law (Part IV.E.1. and Part IV.E.2. of the SPDES 2024 General Permit).

2.3.3. SEDIMENTS AND OTHER DEBRIS

Sediments and other debris such as litter and floatables carried by stormwater typically originate from construction sites, eroding road banks where there are no curbs, farm fields, lawns and yards that are sloped, eroded stream banks, damaged or eroded driveways, parking lots, walks and sidewalks, and roadway sanding for ice and snow. Typically, pollutants bind to sediments that end up in the waterbodies causing water quality issues.

Because urban/rural runoff is really rainfall washing an urban/rural area, whatever materials or substances are on the impervious and pervious land, roof or parking surfaces, or which have been deposited into a street gutter or directly into a catch basin or drop inlet, will be carried to the storm sewer discharge. Examples of these items could include organic materials such as discarded food; crop cuttings, animal droppings; garbage from overfilled or toppled trash cans; the contents from discarded containers, bottles and cans; flyers and garage sale posters placed on utility poles; and eroded soils, leaves, branches and twigs.

Organic materials are trapped or retained in the catch basin sump, frequently causing standing water to develop in the bottom of the catch basin. These materials tend to discolor the standing water and decompose and, at times, produce odors. This is particularly noticeable when catch basin contents are disturbed or washed out during a storm, by dry-weather flows, or when the system is being cleaned. In some cases, the odors could be similar to sanitary waste odors, since the nature of the materials is similar.

Both suspended and deposited sediments can have adverse effects on aquatic life in streams, lakes and estuaries. Turbidity resulting from sediment can reduce light penetration for submerged aquatic vegetation critical to estuary health. Light reflecting off suspended sediment can increase water temperatures (Kundell and Rasmussen, 1995). Sediment transports many other pollutants to the water resources be it surface waters and /or groundwater.

2.4. TYPICAL FLOWS TO STORM SEWERS

The majority of flow to storm sewers is stormwater runoff. Storm water runoff is surface flow water from precipitation that accumulates in and flows through natural and/or manmade storage and conveyance systems during and immediately following a storm event. As storm water travels through a conveyance system, it carries pollutants to rivers, wetlands, coastal waters and groundwater, impairing

water quality. The quality of runoff is affected by a variety of factors and depends on the season, local meteorology, geography and upon activities which lie in the path of runoff.

As development occurs, impervious surfaces, such as streets, parking lots and buildings, replace natural ground cover, preventing infiltration of rainfall. This results in an increase in surface runoff. The runoff carries whatever pollutants are in its path to our water bodies.

The quality of stormwater is important because stormwater flows to rivers, creeks, streams, estuaries, and bays. Stormwater can also seep into the aquifers which are utilized as sole source for the potable water supply for Long Island. These resources are inherently valuable, but they also provide many communities with sources of economic viability.

2.4.1. WET WEATHER SOURCES

The most common, and often the largest, source of wet-weather flow is runoff generated by rainfall and snowfall. The majority of this runoff is from impervious surfaces and is directed to catch basins by drains or laterals that receive runoff from roofs, parking lots, basements, exterior stairways, roadside channels and ditches, retaining walls, parks, lawns, patios, shopping and pedestrian plazas and sidewalks. The catch basins are connected to the storm sewer system for subsequent discharge to a retention or detention structure, or directly to a receiving water body, such as a stream, a pond or large receiving waters like the Long Island Sound, Peconic Bay, or the Peconic River.

2.4.2. DRY WEATHER SOURCES

Dry-weather flow occurs during dry weather in the form of delayed drainage that was started by the storm event. One common example of a dry-weather flow is basement drainage. This drainage occurs when sump pumps remove groundwater around building foundations. Frequently, the pumping of drainage of groundwater around a building or other structure may need to continue for a number of days or weeks after a rain event has stopped. Sometimes it is seasonal or continuous. In the Town of Riverhead, there are many small communities that are at a low elevation, and in close proximity to a water body that requires the use of sump pumps to avoid basement flooding.

A second common example of dry-weather flow is from drains in or below retaining walls, or bulkheads. These drains release water from saturated soils located behind the wall in order to remove the pressure on the wall so that it does not topple. A third example of dry weather flow is groundwater seepage into structures below the groundwater level which are not perfectly tight. This could include storm sewers and manholes that are below the level of groundwater in the surrounding area.

Besides dry weather flow induced by previous precipitation, storm sewers receive a fourth type of dry weather flow. This includes non-stormwater discharges from:

- Water line flushing
- Diverted stream flows
- Rising groundwaters
- Groundwater infiltration
- Discharges from potable water sources
- Foundation drains
- Water from crawl space pumps
- Footing drains
- Lawn watering
- Flows from riparian habitats and wetlands

- De-chlorinated swimming pool water discharges
- Street wash waters related to cleaning and maintenance.

Storm sewers could also receive dry-weather flow and other materials from illicit discharges. Some examples of illicit discharges to storm sewers are: radiator flushing on sidewalks, driveways or streets; improper motor oil disposal in street gutters or directly into catch basins; throwing litter and garbage in the gutter or a catch basin; roadway accidents that result in fuel spills or spills of truck contents; washing of ready-mix concrete trucks; overturned trash cans that spill their contents, including various household liquids, into the street; and disposal of household hazardous substances such as solvents, cleaning fluids, paints, empty or partially empty containers that still contain dangerous chemicals or liquids; and illicit connections to storm sewers from sanitary or industrial discharges.

2.5. CHARACTERISTICS OF STORM SEWER DISCHARGES

Storm sewer discharges in most urban areas have been found to contain a host of pollutants that are part of the precipitation itself (acid rain or snow), atmospheric deposition, or result from the rain or snow coming into contact with roofs, sidewalks, streets, parking lots and other areas. These pollutants and parameters can be part of runoff during wet-weather periods or dry–weather discharges after the precipitation event. In addition, some pollutants and parameters can also be found in the other dry-weather discharges described earlier and which are not related to precipitation.

Typical pollutants found in runoff in rural and urban areas originate on lawns, farm lands, golf courses, sidewalks, streets, parking lots, and park spaces and can include suspended solids, bacteria, nitrogen, pathogens, phosphorus, heavy metals, and a variety of organic compounds such as polychlorinated biphenyls, petroleum hydrocarbons and polyaromatic hydrocarbons. Based on historical and recent water quality assessment reports, NYSDEC has concluded that storm sewers cause impairments to many of the State's rivers, lakes, bays, and estuaries. Table 3.3.1-1 presents a list of pollutants of concern from various sources in urban areas. Table 3.3.1-2 presents a summary of possible sources and potential effects of runoff.

TABLE 3.3.1-1
SOURCES OF RURAL /URBAN RUNOFF POLLUTANTS

Source	Pollutant of Concern
Erosion	Sediment and attached soil nutrients, organic matter and other adsorbed pollutants
Atmospheric Deposition	Hydrocarbons emitted from automobiles, dust, aromatic hydrocarbons, metals and other chemicals released from industrial and commercial activities
Construction Materials	Metals from flashing and shingles, gutters and downspouts, galvanized pipes and metal plating, paint and wood preservatives.
Manufactured Products	Heavy metals, halogenated aliphatics, phthalate esters, PAHs, other volatiles, phenols and oil from automobile use, zinc and cadmium from tire wear, and pesticides and phenols from other uses including industrial.
Landscape Maintenance	Fertilizer and pesticides. Generally, as impervious area increases, nutrients build up on surfaces and runoff transport capacities also rise resulting in high loads. Exceptions include intensively landscaped areas (e.g., golf courses, cemeteries).
Plants and Animals	Plant debris, animal excrement
Farmland	Fertilizer and pesticides
Septic Tanks	Coliform bacteria, nitrogen/NO3

Non-Storm Water Connections	Inadvertent or deliberate discharges of sanitary sewage and industrial wastewater to storm drainage systems, including illicit connections, leaking sanitary collection systems, spills, industrial and commercial activities, construction activities, infiltration or contaminated groundwater and improper disposal
Accidental Spills	Pollutants of concern depend on the nature of the spill.

TABLE 3.3.1-2
SUMMARY OF POSSIBLE SOURCES AND
POTENTIAL EFFECTS OF RUNOFF POLLUTANTS

Category	Parameters	Possible Sources	Effects
Sediments	Organic and Inorganic Total Suspended Solids (TSS) Turbidity Dissolved Solids	Construction sites Urban/agricultural runoff CSOs Landfills, septic fields	Turbidity Habitat alteration Recreational and aesthetic loss Contaminant transport Navigation/hydrology Bank erosion
Nutrients	Nitrate Nitrite Ammonia Organic Nitrogen Phosphate Total Phosphorus	Urban/agricultural runoff Landfill, septic fields Atmospheric deposition Erosion Suburban runoff from lawns	Algal blooms Ammonia toxicity Groundwater Nitrate toxicity
Pathogens	Total Coliforms Fecal Coliforms Fecal Streptococci Viruses E. Coli Enterococcus	Urban/agricultural runoff Septic systems Illicit sanitary connections CSOs Boat discharges Domestic/wild animals	Ear/intestinal infections Shellfish bed closure Recreational / aesthetic loss
Organic Enrichment	Biochemical Oxygen Demand (BOD) Chemical Oxygen Demand (COD) Total Organic Carbon (TOC) Dissolved Oxygen	Urban/agricultural runoff CSO's Landfills, septic systems	Dissolved oxygen depletion Odors Fish Kills
Toxic Pollutants	Toxic Trace Metals Toxic Organics	Urban/agricultural runoff (Pesticides/herbicides) Underground storage tanks Hazardous waste sites Landfills Illegal oil disposal Industrial discharges	Bioaccumulation in food chain organisms and potential toxicity to humans and other organisms
Salts	Sodium Chloride	Urban runoff Snowmelt	Vehicular corrosion Contamination of drinking water Harmful to salt-intolerant plants

2.6. DIMINISHING GROUNDWATER RECHARGE AND QUALITY

Suffolk County lies over a sole source aquifer system that provides potable water to the residents and businesses located within the County. The aquifer system is comprised of three separate aquifers. The Glacial is the shallowest aquifer, the Magothy Aquifer underlies the Glacial Aquifer, followed by the Lloyd Aquifer. The Town of Riverhead has five functioning municipal wells within the Glacial aquifer, with relatively good water quality. The Town also has 8 municipal water wells within the Magothy Aquifer. In the more urbanized areas of Long Island, many of the municipal wells in western Suffolk and Nassau Counties that are within the Glacial Aquifer are no longer utilized due to high concentrations of pollutants.

The slow infiltration of rainfall throughout the soil is essential for replenishing groundwater. Both human health and aquatic systems are dependent on its steady discharge. Urbanization of an area results in the net decrease of pervious land. This, coupled with the fact that increased population density increases potable well drawdown, reduces or locally concentrates natural recharge of stormwater. During prolonged periods of dry weather, stream flow sharply diminishes.

2.7. REDUCING IMPACTS OF STORMWATER

The Water Quality Volume (WQv), a measure of the volume of most polluted storm water, the first flush, that washes the road of all pollutants, is based on the equation (WQv= (P*Rv*A)/12). The WQv enables sizing of practices which capture and treat 90% of the average annual stormwater runoff volume. The WQv is directly related to the amount of impervious cover created at a site. The 90% rainfall event number is supplied in Fig. 4.1 of the New York State Stormwater Management Design Manual (NYSSMDM) (January 2015), for the Town of Riverhead it is 1.5".

In accordance with the NYSSMDM, practices that are acceptable for water quality treatment are listed below

1. Stormwater Ponds – Practices that have either a permanent pool of water or a combination of permanent pool and extended detention capable of treating the Water Quality Volume (WQv).
2. Stormwater Wetlands – Practices that include significant shallow marsh areas, and may also incorporate small permanent pools and extended detention storage to achieve the full WQv.
3. Stormwater Infiltration – Practices that capture and temporarily store the WQv before allowing it to infiltrate into the soil.
4. Stormwater Filtering – Practices that capture and temporarily store the WQv and pass it through a filter bed of sand, organic matter, soil, or other acceptable treatment media.
5. Open Channel Systems – Practices explicitly designed to capture and treat the full WQv within dry or wet cells formed by check dams or other means.

3. MINIMUM CONTROL MEASURE 1 – PUBLIC EDUCATION AND OUTREACH

The Town of Riverhead has impaired water bodies that are within the Peconic Estuary System. These water bodies include: Meetinghouse Creek, Terry's Creek, Lower Sawmill Creek and the lower Peconic River, and Western Flanders Bay. These surface waters are impaired by Nitrogen, and Pathogens. Generally, land uses within a watershed can be prescriptive in determining pollutant loading. One BMP that the Town utilizes to improve water quality is to purchase land within impaired watersheds for preservation or passive recreation.

The Public Education and Outreach control measure is directed at educating the public, specific groups, i.e., construction trades, municipal officials, and homeowners, to the impact stormwater runoff has on the environment. In addition, this education would involve teaching targeted steps that can be taken to reduce certain pollutants associated with runoff.

Important components of this plan include continuing to form partnerships with other government entities primarily through existing programs and resources; the utilization of educational materials to promote the program; and reaching diverse audiences such as target communities and children. Target communities include local academic/college groups, youth organizations, yacht clubs and marinas, conservation/environmental groups, and sportsman/fishing clubs.

3.1. DISTRIBUTED INFORMATION

The Town has been actively keeping informational stormwater brochures, septic system brochures and informational posters at all Town Facilities, and Atlantis Aquarium. The Town will continue this process

in the next five years with modifications as the deadlines for various permit components arise. These pamphlets include the impaired water bodies, the pollutants of concern (POCs), sources of the POC's, and alternative methods of operations to reduce concentrations of POCs.

The Town SMO is working to further Minimum Control Measure 1 (MCM 1) by implementing pollution prevention and education programs to reduce nonpoint source pollutants generated from the following activities:

- Lawn and garden activities, including the improper application and disposal of lawn and garden care products, and the disposal of leaves and yard trimmings;
- Turf management on golf courses, parks, and recreational areas;
- Improper disposal of pet wastes;
- Boater sanitary disposal activities;
- Monitoring individual septic systems for integrity;
- The improper storage, use, and disposal of household chemicals, including automobile fluids, pesticides, paints, solvents, etc.;
- Commercial activities, including parking lots and gas stations;
- Activities that generate trash;
- Feeding of waterfowl.

Sediment and Erosion Control is a large component in reducing the pollutant loading to impaired water bodies. In this matter, the BMP Committee has been developing both code amendments and educational pamphlets geared to construction companies. There are pamphlets located at both the Building Department and the Planning Department. The Town's hope is to have influence on the conceptual design of sites, to encourage the implementation of stormwater BMPs including but not limited to the siting of specific uses on the site. In addition, construction site operators must ensure they have received erosion and sediment control training before working in the Town of Riverhead. The SMO's office has been proactively transmitting notices of classes for this education to contractors who work within the Town. The Town hopes to work with the local Peconic Estuary Program to participate in a training program for the east end townships.

The Town municipal operations, abide by the legislation regarding the application of fertilizers to reduce potential overloading of nitrogen. The Buildings and Grounds Division has developed a turf grass management plan for all of the playing fields within the recreational parks. The management plan will be geared towards pest management, and the use of organic materials for the enhancement of turf.

The Town offers free boater pump out services to recreational boaters in the Peconic Estuary. New boater pumpouts were upgraded at both the Peconic Riverfront and the East Creek Marina. In addition, there is a pumpout boat that will travel to locations within the Peconic Estuary to pumpout boats. Informational brochures for these services are provided at both the Town Hall and Recreation Department. The brochures include the radio frequency the boaters must utilize to contact the pumpout boat.

The Town of Riverhead offers yard waste pick to the residents of the Town approximately twice monthly through the curbside municipal solid waste pickup. A Stop Throwing Out Pollutants Day (STOP Day) is offered to the residents twice a year during May and October. During this event, residents may bring household hazardous waste to the site. The Town Code prohibits feeding geese to reduce the toxic effects of goose sanitary wastes.

The Community Preservation Fund has been established within the Town to set aside monies to preserve properties as they become available. The Town has purchased many waterfront properties within the impaired waterbodies watershed boundaries. This program is ongoing, the priorities of this property is to

purchase lands as they come available within impaired waterbody watersheds. Since 2001, the Town acquired approximately 2,222.53 acres of land for approximately $73,823867.85. Some of these acquisitions have been Suffolk County partnerships.

3.2. TOWN FACILITY INFORMATION

The goal of public education is to prevent or reduce nonpoint source pollutant loadings generated from a variety of activities within the Town with special emphasis given to the activities which contribute to Nitrogen and Pathogen loadings. The Town maintains educational pamphlets, and posters at each one of its facilities that residents visit. In addition to the pamphlets, posters, and other information currently available to Town residents, the Town will continue fostering a pro-active education approach within the school district.

3.3. TOWN OF RIVERHEAD WEBSITE

The Town of Riverhead maintains a website (www.townofriverheadny.gov), with a link to Stormwater Management. The link brings residents to the educational pamphlets, posters, and links to the local and national program for non-point source pollution issues.

3.4. PLANTINGS

3.4.1 RAIN GARDEN

Through the Town Recreational, CCE, Suffolk County Department of Health (SCDOH), NYSDEC and Buildings and Grounds divisions a rain garden was constructed at the Town's Peconic Riverfront Park. The Buildings and Grounds Division excavated the rain garden and installed the gravel subbase and the soil layer, while the government employees and local volunteers planted the rain garden and learned from the experience. Date of installation and maintenance dates and description will be included in the Geographic Information Systems (GIS) data for this practice.

3.4.2 NATIVE PLANTINGS

Native vegetation is given first priority in any evaluation for suitability of a particular plant at any given Town facility. The Town's Grounds Division strives to plant native vegetation whenever possible.

3.4.3 TREE PLANTINGS

Whenever trees are replaced or new trees are planted on Town grounds the Grounds Division gives first priority to native trees which will suit the selected location, e.g., line friendly trees planted near power lines.

3.5. EVALUATING AND MEASURING PROGRESS

The Town of Riverhead will annually update the SWMP beginning each March at the end of the annual reporting period and re-issue the program in June when the annual report is due. These revisions/updates will reflect changes and appendix updates from the program plan that will address issues such as the effectiveness of BMP's, training, changes in regulations etc. The Engineering Department will schedule annual update reminders on the Microsoft Outlook Program to remind the SMO and other BMP committee members that the SWMP is under revision and what the proposed updates/revisions consist of and solicit updates/comments from other committee members to enhance the program.

The Town will utilize Classification of Outcome Levels for the effectiveness assessment for each Minimum Control Measure. The Classification of Outcome Levels will be based on the document prepared by the California Stormwater Quality Association "Municipal Stormwater Program Effectiveness Assessment Guidance as well as the Municipal Operations Analysis score card.

3.6 ILLICIT DISCHARGE EDUCATION

Information related to the prevention of illicit discharges include the following:

3.6.1 The types of discharge allowable by the stormwater general permit may be found in Part I.A.3. of the stormwater general permit.

3.6.2 Illicit Discharges – dry weather flows from a storm drain containing pollutants and/or pathogens storm drain that has a measurable flow during dry weather containing pollutants and/or pathogens. Illicit discharges are prohibited because they contain pollutants which could jeopardize the health and safety of humans, wildlife and habitat.

3.6.3 The environmental hazards associated with illicit discharges and improper disposal of waste include:

3.6.3.1 Sewage and Septage – produced from sanitary sewer pipes and septic systems.

3.6.3.2 Washwater Flows – include discharges of residential gray water, commercial carwash wastewater, floor washing to shop drains.

3.6.3.3 Liquid wastes – such as oil, paint, process water (radiator flushing water, plating bath wastewater, etc) that enter the storm drain system.

3.6.4 Proper handling and disposal practices for the most common behaviors within the community include:

3.6.4.1 Septic Care – Arrange for regularly scheduled inspections and cleaning. Avoid overflows through maintenance and inspections.

3.6.4.2 Household Hazardous Waste – Ensure all containers carrying hazardous waste are manufactured for the task and sealed tight in a secure closet or cabinet. Disposal of household hazardous waste can occur at municipal STOP (Stop Throwing Out Pollutants) Days as well as give backs such as paints to manufacturers.

3.6.4.3 Swimming Pool Draining – Chlorinated pool water can be drained on a pervious surface such as grass or sand.

3.7. ANNUAL REPORTING

The annual reporting period ends March 9 of each year. The annual report must be received by the DEC no later than June 1 of each reporting year. For MCM 1, the Town will supply the DEC with the following information:

- Who the targeted audiences where and what topics were included
- What strategies the Town used to achieve the education and outreach goals
- Web Pages that the information is posted on
- How the Town evaluates and measures the progress

The Town of Riverhead has adopted a policy that began in 2010 to track proposed changes/improvements to the SWMP on an annual basis. This policy will improve the effectiveness or address issues in water quality and incorporate these proposed changes to the SWMP. The changes to the SWMP will be incorporated between the end of the reporting year and the deadline for submission of the annual report. During this time period, information utilized to prepare the annual report will be reviewed and where needed used to revise the SWMP which will be presented during the Public Annual Report presentation prior to submission to the NYSDEC.

3.8. SEMI-ANNUAL REPORTING

The semi-annual reporting period ends September 9 of each year. The semi-annual report must be received by the DEC no later than December 1 of each reporting year. For MCM 1, the Town will supply the DEC with the following information regarding any impaired surface waters, i.e., 303(d) or TMDL designations, within the Town:

- Who the targeted audiences where and what topics were included
- What strategies the Town used to achieve the education and outreach goals
- Web Pages that the information is posted on
- How the Town evaluates and measures the progress

4. MINIMUM CONTROL MEASURE 2 – PUBLIC INVOLVEMENT/PARTICIPATION

4.1. LOCAL STORMWATER PUBLIC CONTACT

The public is encouraged to contact the SMO to report illicit discharges, with questions, etc. The Town has an active website page devoted to informing the public on initiatives the Town is taking to improve the water quality of the Peconic Estuary system, and other water bodies in the Town. This website provides all contact information necessary to contact the SMO. In addition, the SMO contact information is shown on all informational brochures and posters. The local point of contact to receive and respond to public comments on stormwater management and compliance with permit conditions is Drew Dillingham, P.E., Town Engineer. The Town's public website address is townofriverheadny.gov.

4.2. COMMUNITY PRESERVATION

The Town has two programs to preserve property through the purchase of open space (fee title) and the development rights on agricultural lands. With the latter, the only right of development is purchased and the owner/farmer retains title to the property with the condition (restrictions or conservation easement) that the property remains in agricultural production. The residents' participation in the Town's efforts to preserve property with community preservation funds is voluntary. The Town created two committees, the Open Space Committee (Chapter 105) and Farmland Preservation Committee (Chapter 201) which meet once a month to review applications to preserve open space and farmland. For several years, the Town utilized the services of Peconic Land Trust to promote and educate land owners and farmers of the opportunity to participate in the program. Over the years, members of the community/owners of lands located within the Town have learned about the opportunity to participate in the program through the Open Space and Farmland Committee members, word of mouth from individuals that participated in the programs, referendums, resolutions and public hearings. As a result, individuals will appear at Open Space and Farmland meetings requesting that their property be considered for preservation or send letters, e-mails and inquire via telephone. The Open Space and Farmland Committees review the parcels, conduct site visits, rank or rate the parcels and vote to recommend to the Town Board. Thereafter, the Town via resolution votes to hold a public hearing so the public may participate or express opinions regarding the preservation of a particular parcel. If approved, the Town Board will adopt a resolution approving the purchase and authorizing the Supervisor to execute a contract to purchase said parcel. The Open Space Committee ranks parcels based upon natural features and significant environmental concerns, including but not limited to parcels to aid in stormwater treatment and surface water quality issues.

4.3. LITTER PICK UP EVENTS

The Litter Committee sponsors an annual event which organizes a Litter Clean Up Day. The Litter Clean Up Day is a two-to-three-hour event in which participants come to the Town Hall to pick up bags, gloves, and vests, and are directed to a location or have chosen a location which can be improved by litter removal. The event is advertised through local papers, radio stations and on Channel 22 local television.

4.4. STOP DAY

The Town has a household hazardous waste disposal program for residents that involve two collections annually in May and October. Although household chemicals make up only a small percentage of the residential waste stream, in order to protect the environment, it is important that they be disposed of properly. The Town's program accepts chemicals that include, but are not limited to, pesticides, aerosol cans, household cleaners, waste motor oil, recyclable/rechargeable batteries, electronics and fluorescent bulbs. With respect to used motor oil, New York State law requires every gasoline station that sells more than 500 gallons of motor oil to accept used motor oil at no charge.

4.5. PLANTINGS

4.5.1 RAIN GARDEN

Through the Town Recreational, CCE, SCDOH, NYSDEC and Buildings and Grounds divisions a rain garden was constructed at the Town's Peconic Riverfront Park. The Buildings and Grounds Division excavated the rain garden and installed the gravel subbase and the soil layer, while the government employees and local volunteers planted the rain garden and learned from the experience. Date of installation and maintenance dates and description will be included in the GIS data for this practice.

4.5.2 NATIVE PLANTINGS

All new plantings installed by B&G include native plantings if not all.

4.5.3 TREE PLANTINGS

The Town occasionally receives trees donated from outside sources. These trees are planted either in locations requested by the donating party or in optimal locations throughout Town properties.

4.6. RIVERHEAD SCHOOL DISTRICT

The Town's Stormwater Management Office has provided presentations to the Riverhead Central School District over the past few years regarding Stormwater Runoff and Illicit Discharges Education. The classes addressed were the Third Grade. The goal is to educate high school students from RCSD and remove pollutants from our waterways. A measurable goal on the effectiveness of the education program would be realized by surveys provided to students attending the presentations.

4.7. CONSERVATION AND RECYCLING

The Town realizes that part of the stormwater management program deals with good housekeeping, conservation, recycling, and efficiency. The Town has re-vamped its purchasing policies to reduce paper quantities within the process. In 2020 the Town completed a complete conversion of existing streets lights to LED lights. This measure saves the Town more than $200,000 annually in street lighting charges which translates to a 52% savings in electricity. In 2021 the Town developed robust water conservation goals, with encouragement to reduce land clearing, encourage use of native drought tolerant plant species, and in-house water conservation initiatives such as night time laundry, irrigation and equipping irrigation systems with rain gauges to minimize waste. Residents are encouraged to implement their own water conservation measures such as retrofitting plumbing fixtures with flow restrictors, modifying automatic lawn sprinklers to include rain sensors, repairing leaks in the home, installing water conservation fixtures/appliances and maintaining a daily awareness of water conservation in their personal habits.

4.8. EVALUATING AND MEASURING PROGRESS

The Town will keep an inventory of all public involvement programs, where attendance will be taken. The Town hopes that as information is disseminated, more residents will participate in the programs. In addition, we will maintain counts on all public meetings that distribute information regarding Stormwater Awareness.

The Town has adopted a policy of revising the SWMP on an annual basis to review the program and its effectiveness and change the program as needed to address deficiencies. As part of these revisions, the Town will incorporate new measurements and evaluations to track progress. As part of this Minimum Control Measure the Town undertakes the following actions to evaluation progress:

- Provide representation to all committees dedicated to improving water quality and stormwater management.
- Attend more in-person meetings for additional committees, conferences, and symposiums.
- Tree planting events where the evaluation will be the number of events and the attendance at each, long term evaluation will be an annual increase of attendance /event.
- The Town will distribute educational information on the benefits of utilizing native plants to reduce irrigation needs and reduce the need for fertilization. Develop public survey to determine if there is a public decrease in fertilizer and pesticide use.
- Begin incorporating Solid Waste Management education in regard to recycling efforts as part of the Stormwater public involvement. Begin recycling program for plastic bottles and cans within the Town parks and track annual tonnage and long-term effectiveness by the increase in recycling tonnage.
- Develop a voluntary high school based poster contest for stormwater concepts. The BMP committee will review these posters and present the winner with a Town Proclamation. All posters will be displayed in the Town Hall Board Room. The evaluation will be the number of children submitting posters.
- Provide numerous resources and meeting agenda and minutes on the Town website.
- Promote beach cleanups by cooperating and assisting the Beach Committee.
- Promote habitat restoration projects to improve stormwater management knowledge and water quality mitigation.

4.9. ANNUAL REPORTING

The annual reporting period ends March 9 of each year. The annual report must be received by the DEC on or before June 1 of each reporting year. For MCM 2, the Town will supply the DEC with the following information in addition to that provided above:

- What opportunities were provided for public participation in implementation, development, evaluation and improvement of the Stormwater Management Program Plan.
- Description of the public notice availability of the annual report and Stormwater Management Program Plan.
- Where the publicly accessible copies of the annual report, Stormwater Management Program Plan, and comments are maintained.
- Comments were received during the reporting period.
- Whether the annual report was described at a Public meeting.

5. MINIMUM CONTROL MEASURE 3 – ILLICIT DISCHARGE DETECTION AND ELIMINATION (IDDE)

5.1 INTRODUCTION

Storm sewer systems are designed to convey stormwater and exclude water from non-stormwater sources with some exceptions. Illicit discharges are defined as discharges not entirely composed of stormwater into the small MS4, except those identified in Part I.A.2 of the SPDES General Permit. Examples of illicit discharges are non-permitted sanitary sewage, garage drain effluent, and waste motor oil. However, an illicit discharge could be any other non-permitted discharge which the permittee or the Town has determined to be a substantial contributor of pollutants to the small MS4.

The NYSDEC and SCDOH are collaborating to develop the Long Island Nitrogen Action Plan or LINAP. The LINAP will assist in identifying nitrogen sources to surface waters with a 303(d) or TMDL designation. The LINAP will define a plan for mitigating high nitrogen sources to alleviate the impaired water bodies. This will affect all property owners with private sanitary systems within the Wading River Creek, Meetinghouse Creek, Peconic Estuary and Terry's Creek Watersheds.

5.2. PROGRAM

The BMP Committee and the SMO have been working continuously with GIS to map the Town's MS4 to enhance the Illicit Discharge Detection and Elimination (IDDE) program. The BMP Committee has developed code amendments to prohibit illicit detections and enact penalties to violators of such. The SMO has been working with several Town departments and Emergency responders who may witness potential illicit discharges. The Town has provided public education in regards to IDDE practices, and reporting.

Goal: Develop and implement a program to detect and address non-stormwater discharges including illegal dumping to the Town's MS4 in accordance with current assistance and guidance documents from the state and EPA.

Reference Documents

1. The New York State Department of Environmental Conservation SPDES General Permit For Stormwater Discharges from Municipal Separate Storm Sewer Systems (MS4s) Permit No. GP-0-15-003.
2. Center for Watershed Protection (CWP) Illicit Discharge and Detection and Elimination – A Guidance Manual for Program Development and Technical Assessments by CWP & Robert Pitt, October 2004.

5.2.1 TERMINOLOGY AND KEY CONCEPTS

a. Illicit Discharge –

i. Illicit Discharges – storm drain that has a measurable flow during dry weather containing pollutants and/or pathogens. A storm drain with measurable flow during dry weather but containing no pollutants is simply considered a dry weather discharge.

ii. Illicit discharges have a unique frequency, composition and mode of entry into the storm drain system (MS4).

b. Storm Drain – Can be either an enclosed pipe or an open channel designed to convey stormwater downstream into either bodies of water, stormwater treatment units, and/or recharge basins.

c. Discharge Frequency – the frequency of dry weather discharges in storm drains may be one of three conditions.

- **i.** Continuous – Discharges occur most or all of the time, are usually easier to detect and typically produce the greatest pollutants.
- **ii.** Intermittent - Discharges occur over a shorter period of time (e.g., few hours per day or a few days per year). These are hard to detect but can still represent a water quality problem.
- **iii.** Transitory – discharges occur rarely, usually in response to a singular event such as an industrial spill, ruptured tank, sewer break, transport accident or illegal dumping episode. These can be the most toxic to the downstream environment. These can be observed by pavement/pipe staining, loss in pressure or in-operation of the upstream structure, or through spill reports.

d. Flow Types

- **i.** Sewage and Septage – produced from sanitary sewer pipes and septic systems.
- **ii.** Washwater Flows – wide variety – examples to be considered as illicit discharges include: Discharges of residential gray water, commercial carwash wastewater, floor washing to shop drains. These are detrimental to the environment as they contain significant amounts of detergents.
- **iii.** Liquid wastes – wide variety – such as oil, paint, process water (radiator flushing water, plating bath wastewater, etc.) that enter the storm drain system.
- **iv.** Tap Water – pipe leaks of potable water – not considered a source of illicit discharge however can contribute to dry weather flows.
- **v.** Landscape Irrigation – flows that occur when excess potable water is used in residential and commercial irrigation – as long as the water is not mixed with chemicals (fertilizers or pesticides), it is not considered a source of illicit discharge but can contribute to dry weather flows.
- **vi.** Groundwater & Spring Water – occur when the local water table rises above the bottom elevation of the inverts and enters into the storm drain either through cracks and joints, is not considered a source of illicit discharge but can contribute to dry weather flows and also is an indicator that potential repairs are required to the system.

e. Modes of Entry

- **i.** Direct – the discharge is directly connected to the storm drain pipe through a sewage pipe, shop drain or other kind of pipe.
  1. Sewage Cross Connections – a sewer pipe that is improperly connected to the storm drain system that produces a continuous discharge of raw sewage to the pipe.
  2. Straight Pipe – refers to relatively small diameter pipes that intentionally bypass the sanitary connection or septic drain fields, producing a direct discharge into open channels or streams.

3. Industrial and Commercial Cross Connections – these occur when a drain pipe is improperly connected to the storm drain system producing a discharge of wash water, process water or other inappropriate flows into the storm drain pipe.

ii. Indirect

1. Groundwater Seepage
2. Spills
3. Dumping a Liquid into a Storm Drain Inlet
4. Outdoor Washing Activities
5. Non-Target Irrigation from Landscaping

5.2.2 MAPPING

By August of 2019, the ToR had re-identified and confirmed mapped locations of all known outfalls, previously inventoried in 2013. Discharge locations included surface waters, recharge basins and stormwater leaching pools. The outfalls were identified by GIS review of aerial geography, a thorough review of as-built subdevelopment site plans, by general windshield surveys, and by communication with the Building, Highway and Building and Grounds Departments for outfalls identified during normal field operations.

5.2.3 OUTFALL INVENTORY

As noted above, outfall inventory reconnaissance was conducted during the summer of 2019 to update locations of outfalls identified during outfall mapping conducted in 2013. Outfall Reconnaissance Inventory/Sample Collection Field Sheets were used to collect field data for the inventory. Information collected included background data, outfall description, field data and physical indicators for any flowing outfalls, physical indicators for non-flowing outfalls and overall characterization. Many additional outfalls were found during the 2019 field reconnaissance and also through the discovery of additional existing construction plans. New outfalls will be mapped as they are discovered or constructed. Sample collection will be conducted of dry weather flows identified during this inventory after all collected data has been mapped and input to the data base.

Outfall reconnaissance will be conducted for 20% of the outfalls each year beginning in 2020.

In addition, the Town's entire conveyance system was mapped ending in 2019 and updated after each field inventory. At a minimum, the map and supporting documentation for the conveyance system includes:

- Type of conveyance system - closed pipe or open drainage;
- Pipe material, shape, and size for closed pipe systems;
- Channel/ditch lining material, shape, and dimensions for open drainage systems;
- Location and dimensions of any culvert crossings;
- Drop inlet, catch basin, and manhole locations; and
- Number and size of connections (inlets/outlets) to catch basins and manholes and direction of flow.

Preliminary sewer sheds delineated by the Town during the winter of 2010 were field checked and either confirmed or adjusted on GIS based on the 2019 inventory. This delineation included all outfalls

discharging to surface waters within Town boundaries. The delineation was performed initially from GIS topography and confirmed by field investigations of the sewer sheds.

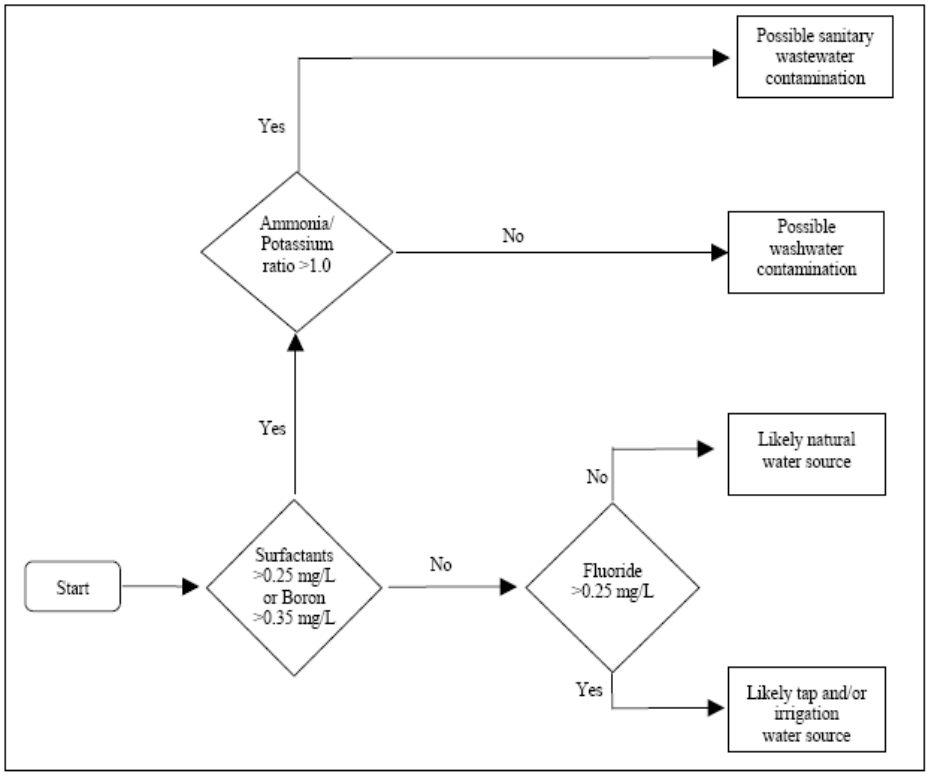
5.2.4 DRY WEATHER FLOW MONITORING

Outfalls having dry weather flow during the initial outfall inventory will be revisited after at least 48 hours of no rain, on three separate occasions and at least two weeks apart. If dry weather flow is present on any of the three occasions, the outfall will be revisited to collect water quality data.

- Temperature and salinity will be measured using the YSI 30 by collecting the discharge in a sample bottle and inserting the probe to obtain a reading. The sample may be discarded after the reading is taken. The sample bottle may be reused for measuring temperature and salinity at other outfall pipes; however, it will be rinsed out with deionized water between uses.

- Autoclaved sample bottles will be used to collect samples for analysis of surfactants, potassium, ammonia, and chlorine.

The chart below and water quality results will be used to determine if an illicit discharge/connection is present.



In addition to testing for the above parameters, samples for fecal coliform will be collected for analysis. To collect a sample for fecal coliform analysis, the Town will use an autoclaved sample bottle. The sample is placed in ice, in a cooler. If high fecal coliform counts are found, the sample is preserved for possible DNA analysis (a tool that is used to identify the source of the pathogens).

5.2.5 PROCEDURES FOR IDENTIFYING PRIORITY AREAS OF CONCERN (GEOGRAPHIC, AUDIENCES, OR OTHERWISE) FOR THE IDDE PROGRAM

The ToR has several different land uses within its municipal boundaries. The more urban areas have been developed along State and County Roadways (SR 25 and CR 58). These areas have been

designed with positive drainage systems, albeit inter-connecting catch basins conveying stormwater to an outfall. Other more rural areas of Town have been developed with isolated leaching structures.

Older residential neighborhoods were often designed with easement areas located at the low points in roadways and no true conveyance system constructed. This was to save on development costs. Riverhead Town Codes require residential neighborhoods to be designed with a positive drainage system discharging to a recharge basin sized to account for either a 5" rain event (if safe overflow is provided), or a 8" rain event (if no safe overflow is provided).

The current Riverhead Town Code for commercial development requires developers to maintain all roof runoff on site, and to design stormwater facilities to contain a minimum of 2" of rain fall on site.

The Town has identified two different priorities to target for its IDDE program: impaired water bodies and land use types.

5.2.6 IMPAIRED SURFACE WATER BODIES

The Town of Riverhead has identified its impaired surface water bodies as a primary target of concern for its IDDE Program. The Meetinghouse Creek Watershed is comprised of two different MS4 regulatory agencies, the NYSDOT and ToR. The Peconic River Watershed is comprised of three different MS4 regulatory agencies, NYSDOT, SCDPW, and ToR. Terry's Creek Watershed is comprised of three different MS4 Regulatory agencies, NYSDOT, SCDPW and the ToR. The Long Island Sound watershed is shared by SCDPW and ToR.

The ToR has identified its impaired surface water bodies as its primary areas of concern.

Meetinghouse Creek Watershed
Peconic River and lower Sawmill River Watershed
Western Flanders Bay Watershed
Terry's Creek Watershed

5.3 LAND USES OF CONCERN

Since the ToR has nitrogen and pathogen watershed improvement strategies, land uses that contribute to nitrogen and pathogen pollutants have been identified. We have identified the following land uses within the ToR, sorted by their proximity to either a MS4 structure or a surface water body and will be mapping them through the GIS system for inspection tracking purposes. These land uses of concern are presented by location in Appendix C.

- 5.3.1 ANIMAL CARE/KENNEL FACILITIES
- 5.3.2 AUTO REPAIR AND FUEL FILLING STATIONS
- 5.3.3 BULK FUEL STORAGE
- 5.3.4 GOLF COURSES
- 5.3.5 FERTILIZER AND PESTICIDE DISTRIBUTORS
- 5.3.6 FARM LANDS
- 5.3.7 FUNERAL AND CREMATORIUM LOCATIONS
- 5.3.8 OLDER RESIDENTIAL DEVELOPMENTS WITHIN IMPAIRED WATERSHED AREAS

5.4 AVAILABLE EQUIPMENT

5.4.1 CAMERA - The Town of Riverhead Sewer District (RSD) currently has a camera that is used in viewing blockages within its Sanitary Sewer Lines. This camera has been shared with other departments (Hwy and B&G) in the past as will remain the current practice to identify breaks, connections, contents of underground drainage systems, including but not limited to pipes, catch basins, leaching pools, etc.

5.4.2 SMOKE TESTING - The RSD currently utilizes smoke testing as a method to identify stormwater connections into the sanitary sewer lines. As the ToR does not have a combined system, non-sanitary waste lines entering into the sanitary sewer lines can inundate the Waste Water Treatment Plant (WWTP) and cause it to exceed its capacity. The Engineering Department has utilized this equipment in the past to ascertain pipe orientations and possible illicit connections.

5.4.3 DYE TESTING - The RSD and the Engineering Department utilize dye testing as a means for tracing water flow through pipe conveyance systems. This is a useful tool in determining illicit discharge paths.

5.4.4 VACUUM TRUCKS - The Town of Riverhead Highway Department currently has two vacuum trucks that it utilizes in the cleaning of drainage structures including but not limited to catch basins, leaching pools and storm drain pipes.

5.5 STAFF

5.5.1 DREW DILLINGHAM, P.E., TOWN ENGINEER – Mr. Dillingham oversees the Engineering Department on its day-to-day functions. Mr. Dillingham reports directly to the Town of Riverhead Town Board, who ultimately make decisions concerning the operations of the Town. Mr. Dillingham is the Town's Stormwater Management Officer and oversees the operations of the MS4 program. He works very closely with Mr. Blizzard in developing sub-watershed mapping, outfall reconnaissance and infrastructure mapping. Mr. Dillingham reviewed the Meetinghouse Creek watershed management plan developed by Horsely and Whitten, sponsored by the Peconic Estuary Program (PEP) and developed a workable plan for implementation that did not require private property acquisition and/or easements over private property. Mr. Dillingham prepares the MS4 Annual Report as well. Mr. Dillingham, and Mr. Howard consult on a regular basis in regard to the MS4 requirements, tracking, legal authorities, etc. for all MCMs, and Watershed Improvement Strategies. Mr. Dillingham regularly attends Peconic Estuary MS4 meetings to participate in watershed MS4 opportunities.

5.5.2 JASON BLIZZARD, PRINCIPAL ENGINEERING AIDE/GIS OPERATOR – Mr. Blizzard has worked diligently on developing the ToR's GIS Mapping system. All employees with desktop access can access the ToR's GIS system. Mr. Blizzard has made himself available for training opportunities to town staff. Mr. Blizzard has been working on a naming convention so that all MS4 structures may be identified in the field by Hwy staff during cleaning operations so they may be better tracked. In the near future the ToR will begin tracking the IDDE program and cleaning program on the GIS system.

5.5.3 ERIK HOWARD, TOWN ATTORNEY – Mr. Howard is the legal counsel for the ToR's MS4 Program. Mr. Howard works closely with the Engineering Department and Town Board to

adopt Town Code adoptions for Construction Site Stormwater Controls, Illicit Discharge Detection and Elimination, Goose Feeding Prohibition and other Watershed Improvement Strategy Code adoptions. Mr. Howard receives stormwater questions from the Engineering Department and issues Legal Opinions as warranted.

5.5.4 MIKE ZALESKI, HIGHWAY DEPARTMENT SUPERINTENDENT –Mr. Zaleski is an elected Superintendent of the Town of Riverhead Highway Department. Mr. Zaleski, since becoming the superintendent of Highways has diligently dedicated staff to the maintenance of MS4 structures. Mr. Zaleski sends staff to training on MS4 operations, good housekeeping and IDDE. Hwy staff contact the Engineering Department with potential illicit discharge issues.

5.5.5 MICHAEL REICHEL, SANITARY SEWER DISTRICT SUPERINTENDENT – Mr. Reichel is the superintendent to the Town's two sewer districts, the Riverhead Sewer District (RSD) and the Calverton Sewer District (CSD). There are two wastewater treatment plants (WWTP) within each district and the RSD also runs a scavenger waste plant which takes in sewage from pump trucks. Mr. Reichel has provided his staff and assistance to the Engineering Department and the Highway Department in the use of the cameras, smoke testing and dye testing for tracking potential illicit discharges.

5.5.6 KEN TESTA, DPW DIRECTOR – Mr. Testa is the Department Head of Public Works. Mr. Testa supervises Building and Grounds as well as Street Lighting, Electrical and Traffic Signals.

5.6 FUNDING

5.6.1 OPERATIONAL COSTS – The Town currently funds personnel from the Engineering Department and the Town Attorney's Office that work on MS4 Permit requirements through its operating budget. The Sewer Department and Highway Department staff are funded through the Town operational costs but are paid for through separate taxing districts. MS4 cleaning operations, IDDE program requirements, SWPPP review and inspections, public pamphlets and posters and other public education and involvement activities are funded out of operational costs.

5.6.2 CAPITAL IMPROVEMENT COSTS – Large scale projects such as infrastructure replacement and watershed improvement strategy implementation are generally paid out of Capital Improvement Project (CIPs) funds. Generally, CIPs are funded through either bonding or town budgets coupled with grant monies (shared).

5.6.3 GRANT OPPORTUNITIES – The Town has had great success in securing grant funds for the implementation of MS4 projects. The Town has purchased boater pumpout boats, and boater pumpout stations through grant monies. The Town has performed stormwater retrofits out of grant monies.

5.7 PROCEDURES FOR IDENTIFYING AND LOCATING ILLICIT DISCHARGES

5.7.1 POLLUTION REPORTING HOTLINE - The ToR maintains a website and public access television channel. The Town's website page includes a dedicated number to report potential illicit discharges to the Engineering Department. The Engineering Department telephone number is currently listed on all of the educational pamphlets that are available at Town facilities that experience significant public traffic. This information along with educational video programs are be posted to our Channel 22 television station. The email address for the public to report illicit discharges is dillingham@townofriverheadny.gov.

When a telephone call or statement is made for a potential illicit discharge, the Engineering Department personnel as listed in Section 4, will begin an *Illicit Discharge Hotline Incident Tracking Sheet* (IDHTS). The IDHTS will be initially be filled out with the reporter's information (see Figure 6-1).

Figure 6-1 – Illicit Discharge Hotline Incident Tracking Sheet

Illicit Discharge Hotline Incident Tracking Sheet				
Incident ID:				
Responder Information				
Call taken by:			Call date:	
Call time:			Precipitation (inches) in past 24-48 hrs:	
Reporter Information				
Incident time:			Incident date:	
Caller contact information (*optional*):				
Incident Location *(complete one or more below)*				
Latitude and longitude:				
Stream address or outfall #:				
Closest street address:				
Nearby landmark:				
Primary Location Description	**Secondary Location Description:**			
☐ Stream corridor *(In or adjacent to stream)*	☐ Outfall	☐ In-stream flow	☐ Along banks	
☐ Upland area *(Land not adjacent to stream)*	☐ Near storm drain	☐ Near other water source (storm water pond, wetland, etc.):		
Narrative description of location:				
Upland Problem Indicator Description				
☐ Dumping	☐ Oil/solvents/chemicals	☐ Sewage		
☐ Wash water, suds, etc.	☐ Other: _____			
Stream Corridor Problem Indicator Description				
Odor	☐ None	☐ Sewage	☐ Rancid/Sour	☐ Petroleum (gas)
	☐ Sulfide (rotten eggs); natural gas	☐ Other: Describe in "Narrative" section		
Appearance	☐ "Normal"	☐ Oil sheen	☐ Cloudy	☐ Suds
	☐ Other: Describe in "Narrative" section			
Floatables	☐ None:	☐ Sewage (toilet paper, etc)	☐ Algae	☐ Dead fish
	☐ Other: Describe in "Narrative" section			
Narrative description of problem indicators:				
Suspected Violator (name, personal or vehicle description, license plate #, etc.):				

Investigation Notes	
Initial investigation date:	Investigators:
☐ No investigation made	Reason:
☐ Referred to different department/agency:	Department/Agency:
☐ Investigated: No action necessary	
☐ Investigated: Requires action	Description of actions:
Hours between call and investigation:	Hours to close incident:
Date case closed:	
Notes:	

5.7.2 DRAINAGE AREA INVESTIGATIONS – Following the initial call and beginning an IDHTS, the Engineering Department will perform a desk top review of all information pertinent to the land area reported. The Town will utilize the GIS system to determine local land use, permitted facilities (NYSDEC/ACOE), property ownership, aerial review and what stormwater infrastructure is within this area.

5.7.3 TRUNK INVESTIGATIONS AND ON-SITE DISCHARGE INVESTIGATIONS - Once the background information is determined an inspection crew will be deployed to perform trunk investigations and site discharge investigations. The Engineering Department will consult with the Town Attorney's office to discuss the project and any legal issues associated with the project. Consideration will be given to mode of entry, flow type and frequency. If the illicit discharge is within the system and not from an apparent property connection, then a trunk investigation will be initiated with the aid of the Highway Department and GIS to determine the next upstream structure that shows the illicit flow. When a structure is encountered that does not show the illicit flow, it is assumed that the connection is located between the upstream and downstream structure. At this

point in time, the Engineering Department along with the Highway Department and the Sewer Department will utilize the pipe camera to determine the size and type of connection. The Town will then begin the on-site investigation to determine the actual source of the illicit connection from within the private property through either smoke or dye testing.

5.7.4 SEPTIC SYSTEM INVESTIGATIONS - The ToR has a Town Code Chapter 265 entitled Sewers (Appendix A). Article VI of this chapter allows for the inspection at a rate of once per five years by the Town of Riverhead. Within this code, the frequency, right of entry and right to remove grass, topsoil and/or earth shall be allowed. The Town will consider amending this code to allow for a third-party consultant in the form of a licensed plumber to certify septic systems and provide this report to the Town to include the following information:

Type of Structures – quantity and locations
Inlets/Outlets – quantity and locations
General assessment of structural integrity and if any outlets occur past the last mapped leaching pool.

These will be submitted to the Sewer District and then be further distributed to the Engineering Department for database filing purposes.

5.8 PROCEDURES FOR ELIMINATING ILLICIT DISCHARGES

5.8.1 CHAPTER 275 OF TOWN CODE – In 2007, the Town Board adopted by resolution a new Town Code Chapter - 275 entitled Stormwater Management and Erosion and Sediment Control (Appendix B). Within this new code, illicit discharges were defined along with several other terms. The Town's procedures for eliminating illicit discharges are outlined in this chapter and address the ToR's ability to access facilities, to suspend access to the MS4, to allow for connection permits, and to facilitate the ToR's enforcement process including a penalty fee schedule.

5.9 PROCEDURES FOR DOCUMENTING ACTIONS

5.9.1 A HOTLINE CALL activates the following procedures:

5.9.1.1 DATE CALL IS LOGGED – registered on the IDHTS

5.9.1.2 DRAINAGE AREA INVESTIGATION initiated and conducted – information compiled in a file folder

5.9.1.3 TRUNK LINE SURVEY – documented by both the IDHTS and a photo summary

5.9.1.4 PRIVATE PROPERTY SURVEY- documented by the IDHTS and a photo summary.

5.9.1.5 If VIOLATION is determined then SMO may order compliance by Written Notice of Violation (NOV) with an outline of corrective measures to be taken and timeframe of compliance.

If a violation has not been corrected pursuant to the requirements set forth in the NOV, the SMO shall request the owner's permission for access to the subject

private property to take any and all reasonable measures necessary to abate the violation. If access is refused to the property, the Town may seek a warrant in a court of competent jurisdiction to be authorized to enter upon the property to determine whether a violation has occurred. If the violation has occurred, the Town will seek a court order to take action to reasonably abate the violation to restore the property. The cost of these measures shall be the sole responsibility of the property owner.

5.9.2 ENFORCEMENT REPSONSE PLAN

5.9.2.1 VERBAL WARNINGS – The owner/operator will be given one verbal warning to remedy the deficiency. This assumes the violation is not egregious but is moderate or mild in nature.

5.9.2.2 WRITTEN NOTICES – The Town will issue one written warning and then a Notice of Violation to residents for deficiencies and a Notice of Violation to commercial facilities.

5.9.2.3 CITATIONS AND ASSOCIATED FINES – Citations and fines will be levied by the Town upon violations occurring after issuance of a NOV or upon egregious violations.

5.9.2.4 STOP WORK ORDERS – Stop Work Orders will be issued to the Town after the above-referenced methods have been employed with little or no success. A Stop Work Order can be active as long as the Town desires which is typically when the deficiencies are remedied.

5.9.2.5 WITHHOLDING OF SITE PLAN APPROVAL OR OTHER AUTHORIZATIONS AFFECTING THER ABILITY TO DISCHARGE TO THE MS4 – This method is equivalent to a Stop Work Order in that all work must cease until provided further notice from the Town. This method is also applied when the first three methods have been tried without success.

5.9.2.6 COLLECTING AGAINST THE PROJECT'S PERFORMANCE BOND OR DIRECTLY BILLING THE RESPONSIBLE PARTY TO PAY FOR WORK AND MATERIALS TO CORRECT VIOLATIONS – These are final efforts to bring the site into compliance. These efforts are used when all others fail.

5.10 PENALTIES AND ENFORCEMENT

5.10.1 PENALTIES - Please refer to 275-11 for penalties for IDDE violations.

5.11 WATERSHED MAPPING

The size of a watershed is closely related to the network of streams contained within its borders. Streams with no upstream tributaries are designated as first-order streams down to their first confluence. A second-order stream is formed when two first-order streams meet.

Watershed – Generally, this is the largest management unit that falls within the local land use planning authority. A community might have one or more watersheds within its borders, depending on its size.

Sub-watershed – The scale encompassed by the watershed. Its boundaries include all land area draining to the point where two second-order streams come together to form a third-order stream. In most regions, sub watersheds are a few square miles in area and are drained by a stream several feet in width.

The Town has mapped the watersheds that discharge to the impaired waterbodies. The source of the Nitrogen and Pathogen TMDLs are the now abandoned duck farms which are located in and around the mouth of the Peconic River as well as Terry's and Meetinghouse Creeks and Western Flanders Bay.

The Peconic Estuary Program sponsored the Meetinghouse Creek Watershed Management Plan, prepared by Horsley Witten Group in July 2006. This watershed delineation has been incorporated into the Town's GIS system. The Town is currently pursuing grant monies to fund Watershed Management Plans for both Terry's Creek and Sawmill Creek.

The Town is currently working with the NYSDEC and SCDOH in restoring a wetland in the headwaters of Meeting House Creek.

The Town has developed and maintained comprehensive system mapping to include the mapping components within MS4 Operator's automatically designated area The comprehensive system mapping is documents in the SWMP Plan The mapping is in a readily accessible format with scale and detail to provide a clear understanding of the MS4. The comprehensive system mapping may be accessed by emailing blizzard@townofriverheadny.gov or calling Jason Blizzard at 631-727-3200, extension 276. The information will include the following:

- M.SS4 outfalls6.
- Interconnections.
- Preliminary storm-sewer shed boundaries.
- MS4 infrastructure.
- Base map information.

5.12 ILLICIT DISCHARGE EDUCATION

The BMP committee is currently developing a program to educate the public on the dangers of Illicit Discharges. This would provide a partnership which would enhance the committee's wildlife education program. The Town would incorporate information received on non-point source pollution in the Peconic Estuary and what elements should be emphasized.

Riverhead School District – the BMP Committee will pursue a partnership with the school district to allow the SMO to interact with teachers of Elementary Science and Earth Science. The children will be informed of the measures that the Government is taking and how they can help the process. This will include refraining from littering, maintaining good housekeeping at home, being aware of any illicit discharges and reporting any incidence, as well as spreading the information to their relatives.

5.12.1 POTENTIAL DETECTORS OF ILLICIT DISCHARGE

The BMP committee has recognized that certain Town functions can be utilized to detect forms of illicit discharge such as the Highway Department, Buildings and Grounds Division, and the Emergency Services (Police, Ambulance, Fire Depts.). The areas where illicit discharges would most likely be present are older industrial areas and older residential communities.

5.12.2 HIGHWAY DEPARTMENT

The Town Highway Department maintains the Town's MS4 system. Typical maintenance operations that the Hwy Dept. performs include but are not limited to:

5.12.2.1.1 STREET SWEEPING – During street sweeping operations, the vehicle is traveling at a low rate of speed. The operator actively looks for non-MS4 pipes draining to the MS4, overland discharges draining to the MS4, etc. There is a cumulative list maintained at the Hwy Dept. that describes any activities that are potential illicit discharges. If there are items of major concern that are discharges of strong odor or color, the Hwy Dept. will contact the SMO. If it is an immediate potential hazard, the Fire Marshal's office is contacted.

5.12.2.1.2 DRAINAGE STRUCTURE CLEANING - Hwy Dept. actively cleans drainage infrastructure. The Hwy Dept. currently maintains two vacuum trucks that are utilized for removing debris that has accumulated in drainage catch basins, leaching pools, and manholes. The Hwy Dept, has been provided with overviews and ongoing training on how to detect a potential illicit discharge. During cleaning operations, if they observe dry weather flow, unidentified pipes in the structures, or foul odors, they maintain a list of the structure number, location and issue. There is a cumulative list maintained at the Hwy Dept. that describes any activities that are potential illicit discharges. If there are items of major concern that are discharges of strong odor or color, the Hwy Dept. will contact the SMO. If it is an immediate potential hazard, the Fire Marshal's office is contacted.

5.12.3 BUILDINGS AND GROUNDS DIVISION

B&G maintains the Town's buildings and grounds, including all parks. Maintenance of the parks includes the drainage infrastructure. When drainage structures require cleaning, B&G assesses the conditions, then contacts the Hwy Dept. During cleaning operations, if they observe dry weather flow, additional pipes in the structures, or foul odors, they maintain a list of the structure number, location and issue. There is a cumulative list maintained at the Hwy Dept. that describes any activities that are potential illicit discharges. If there are items of major concern that are discharges of strong odor or color, the Hwy Dept. will contact the SMO. If it is an immediate potential hazard, the Fire Marshal's office is contacted.

5.12.4 EMERGENCY SERVICES

The Town's Emergency Services include the Police Department, Fire Marshal's Office, Fire Department and Ambulance Department. During motor vehicle accidents this emergency services personnel are able to assess the immediate effects of the accident. If there are any penetrations to holding tanks of the vehicles they alert appropriate departments, i.e., the NYSDEC, Highway Department, B&G, to protect the Town's MS4 system and the environment. If during the assessment, they observe dry weather flow, they will contact the Fire Marshal's Office or the SMO depending on the severity of the issue.

5.13 EVALUATING AND MEASURING PROGRESS

The Town has adopted a policy of revising the SWMP on an annual basis to review the program and its effectiveness and change the program as needed to address deficiencies. As part of these revisions, the Town will incorporate new measurements and evaluations to track progress. As

part of this Minimum Control Measure the Town will continue measuring and evaluating the following actions:

- Track the number of outfalls monitored on an annual basis. Increase tracking during wet weather and dry weather and reduce dry weather connections.
- Track in a simple database the number of complaints received through Code Enforcement and the IDDE Hotline. Determine the percentages of sites with actual IDDE's as opposed to invalid complaints.
- Develop a map that shows the locations of reported spills, overflows, ID's and other water quality problems. Track the number of annual occurrences and whether these occurrences are decreasing.

5.13.1 ANNUAL REPORTING

The annual reporting period ends March 9 of each year. The annual report must be sent to the DEC by June 1 of each reporting year. For MCM 3, the Town will supply the DEC with the following information:

- Approximate percentage and numbers of outfalls mapped
- Number of outfalls screened for dry weather discharges during reporting period
- Types of generating sites/sewer sheds targeted for inspection during this reporting period;
- Types of illicit discharges found during the reporting period
- Quantity of illicit discharges/potential illegal connections that have been detected during this reporting period
- Quantity of illicit discharges/illegal connection have been eliminated during this reporting period
- If the storm sewer shed mapping has been completed
- If the information is available on GIS
- What percent of staff in relevant positions and departments have received IDDE training.

6. MINIMUM CONTROL MEASURE 4 – CONSTRUCTION SITE STORMWATER RUNOFF CONTROL

6.1 INTRODUCTION

This minimum control measure is intended to reduce the amount of erosion generated from construction sites and the subsequent off-site transport of sediment and construction-related chemicals (sediment and chemical control). This measure should be utilized to influence conceptual design drawings to develop a sustainable site and protect the watershed.

Several pollutants of concern are associated with construction activities, including the following: sediment; pesticides; fertilizers used for vegetative stabilization; petrochemicals (oils, gasoline, and asphalt degreasers); construction chemicals such as concrete products, sealers, and paints; wash water associated with these products; paper; wood; garbage; and sanitary waste (Washington State Department of Ecology, 1991). "Erosion rates from natural areas such as undisturbed forested lands are typically less than 1 ton/acre/year, whereas erosion from construction sites ranges from 7.2 to 500 tons/acre/year" (USEPA, 2005).

6.2 TOWN CODE AMENDMENTS

On December 18, 2007, the Town of Riverhead adopted local law for the addition of "Chapter 275 – Stormwater Management and Erosion and Sediment Control." of the Riverhead Town Code. Chapter 275 was modeled after the State policies and procedures for site developers to prepare a Storm Water Pollution Prevention Plan (SWPPP) for review by the Town of Riverhead. The local law, located in Appendix E was then modified in December 2008, to outline fees, and escrow accounts to be set up for the review and inspection of these sites as they become developed. There are several districts in which the Town code encourages pervious parking areas and/or landscaped areas for drainage where sanding and salting are not used in the winter.

6.3 ENFORCEMENT REPSONSE PLAN

6.3.1 VERBAL WARNINGS – The owner/operator will be given one verbal warning to remedy the deficiency. This assumes the violation is not egregious but is moderate or mild in nature.

6.3.2 WRITTEN NOTICES – The Town will issue one written warning and then a Notice of Violation to residents for deficiencies and a Notice of Violation to commercial facilities.

6.3.3 CITATIONS AND ASSOCIATED FINES – Citations and fines will be levied by the Town upon violations occurring after issuance of a NOV or upon egregious violations.

6.3.4 STOP WORK ORDERS – Stop Work Orders will be issued to the Town after the above-referenced methods have been employed with little or no success. A Stop Work Order can be active as long as the Town desires which is typically when the deficiencies are remedied.

6.3.5 WITHHOLDING OF SITE PLAN APPROVAL OR OTHER AUTHORIZATIONS AFFECTING THER ABILITY TO DISCHARGE TO THE MS4 – This method is equivalent to a Stop Work Order in that all work must cease until provided further notice from the Town. This method is also applied when the first three methods have been tried without success.

6.3.6 COLLECTING AGAINST THE PROJECT'S PERFORMANCE BOND OR DIRECTLY BILLING THE RESPONSIBLE PARTY TO PAY FOR WORK AND MATERIALS TO CORRECT VIOLATIONS – These are final efforts to bring the site into compliance. These efforts are used when all others fail.

6.4 PENALTIES AND ENFORCEMENT

6.4.1 PENALTIES - Please refer to 275-11 for penalties for IDDE violations.

6.5 EDUCATION

Construction site operators, design engineers, municipal staff and other individuals will be trained in sediment and erosion control practices either through the NYSDEC, USEPA, or Geological Group. As part of the SWPPP approval process, the Town requires certification of training prior to ground disturbance. The Town has adopted a tracking system where by an email or telephone call is placed to local contractors working within the Town of Riverhead to ascertain on an annual basis how many field personnel are certified in the four hour course. As new education training programs become available, an email is placed to all contractors. An email address for complaints related to construction stormwater activity is dillingham@townofriverheadny.gov.

6.6 PROGRAM

The Town has prepared informational pamphlets for developers entering any of 11 Town-owned facilities. The goal of the pamphlets is to inform the developers of the procedural requirements of SWPPP reporting, inspection, best management practices in the layout of site plan features, construction activities, and post-construction considerations.

6.6.1 BEST MANAGEMENT PRACTICES – DURING SITE DESIGN

Best Management Practices – During Site Design / SWPPP Review

- Site layout – The site should be laid out holistically so that the drainage is in the naturally low-lying portion of the property and receives pre-treatment of storm water prior to infiltration.
- Minimize clearing and grading – This will minimize disruption of the natural features to remain.
- Encourage green measures to reduce runoff quantity such as planted roofs, rain gardens, swales, etc.
- Protect waterways and stabilize drainage ways.
- Establish Plan review and modification procedures.
- Design drainage system in accordance with stormwater runoff treatment of water quality volume (WQv) requirements not necessarily straight infiltration.
- Design drainage system to meet the Green Infrastructure Requirements of the NYSDEC Design Manual. Include GI evaluation in the SWPPP and provide justification if GI cannot be used for any of the reasons provided in the Design Manual.
- The drainage system must also be designed to accommodate the one (Channel Protection Volume), 10 (Overbank Flood) and 100 (Extreme Storm) year return frequency storms as determined through the use of TR-55.
- Ensure proper clearing limits in accordance with local zoning requirements.
- On long or steep, disturbed, or man-made slopes, construct benches, terraces, or ditches at regular intervals to intercept runoff.
- Use retaining walls.
- Provide linings (grass/sod/rip-rap) for urban runoff conveyance channels.
- Use check dams.
- Use mulches.
- Use sodding for permanent stabilization.
- Use wildflower cover to reduce the need for irrigation.
- Develop and implement a spill control plan
- Develop and implement a waste disposal control plan.
- Develop procedures for disposal of concrete truck waste.

6.6.2 BEST MANAGEMENT PRACTICES – DURING CONSTRUCTION

- Phase construction to limit soil exposure.
- In areas where soil disturbance activity exceeds five acres at any one time and has temporarily or permanently ceased, temporary and/or permanent soil stabilization measures shall be implemented by the next business day and completed within seven (7) days. The soil stabilization measures selected shall be in conformance with the technical standard, New York State Standards and Specifications for Erosion and Sediment Control, dated November 2016.
- In areas where soil disturbance activity has temporarily or permanently ceased, temporary and/or permanent soil stabilization measures shall be installed and/or

implemented by the next business day and completed within 14 days. The soil stabilization measures selected shall be in conformance with the technical standard, New York State Standards and Specifications for Erosion and Sediment Control, dated November 2016.

- Protect steep slopes and cuts.
- Install perimeter controls to filter sediments.
- Employ advanced sediment – settling controls.
- Assess erosion and sediment control practices after storm events.
- Ensure SWPPP implementation of semi-weekly inspections for areas where soil disturbance exceeds five acres at any one time.
- Ensure SWPPP implementation of weekly inspections for areas where soil disturbance is five acres or less.
- Adequate construction entrance stabilization.
- Locate potential pollution sources away from steep slopes, water bodies, and critical areas.
- Protect natural vegetation with fencing, tree armoring, and retaining walls or tree wells.
- Stockpile topsoil and reapply as a soil amendment to reestablish vegetation.
- Use wind erosion controls.
- Intercept runoff above disturbed slopes and convey it to a permanent channel or storm drain.
- Seed disturbed areas.
- Install erosion control blankets for erosion control of slopes of 3:1 or greater.
- Provide education and training opportunities for construction personnel – any construction site operator must provide certification to the Town of Riverhead that a designated representative has received sediment and erosion control training by either a New York State agency, or a Soil and Water Conservation District prior to commencing site work.

6.7 CONSTRUCTION SITE INVENTORY

Appendix L contains an inventory of all applicable construction site in the SWMP Plan. The following information is included in the inventory:

- Location of site;
- Owner/operator contact information, if other than the MS4 Operator;
- Receiving waterbody name and class;
- Receiving waterbody WI/PWL Segment ID;
- Prioritization;
- Project SPDES ID number;
- SWPPP approval date;
- Inspection history including dates and ratings; and
- Current status of construction site.

6.8 EVALUATING AND MEASURING PROGRESS

The Town as a standard operating procedure revises the SWMP annually, reviews the program and its effectiveness, and changes the program as needed to address deficiencies. As part of these revisions, the Town will incorporate new measurements and conduct evaluations to track progress. As part of this Minimum Control Measure the Town will begin the following actions to evaluate progress:

- Track the number of SWPPPs received. The evaluation will be the number of revisions prior to MS4 Acceptance. The long-term evaluation should be a decrease in the number of revisions as the local engineers become more familiar with the process. This information will be provided in Appendix E.
- The Town has prepared a simple database of SWPPPs, this database includes the SWPPPs received and tracks the number of inspections performed by the job per year. The long-term evaluation will be the percentage of construction sites in compliance. This information is provided in each annual report.
- The Town will begin tracking the number of contractors within the Town with the 4-hour sediment and erosion control training. The NYSDEC requires all contractors and subcontractors working at a site to provide at least one employee who is certified in the erosion and sediment control training to be present during earth disturbance activities. The Town will track the percentage of full-time field personnel per company who have received training. The long-term evaluation of this measurement will be 100% of field personnel trained. The Town proactively sends notices of local courses to local contractors.

6.9 ANNUAL REPORTING

The annual reporting period ends March 9 of each year. The annual report must be sent to the DEC by June 1 of each reporting year. For MCM 4, the Town will supply the DEC with the following information:

- How many SWPPPS have been reviewed in the reporting period.
- Does the Town have a mechanism for receipt and consideration of public comments related to construction SWPPPs.
- Does the Town provide education and training for contractors about the local SWPPP process.
- Identify the types of enforcement actions used during the reporting period for construction activities.
- How many projects have been authorized for disturbances of one acre or more.
- How many construction projects disturbing at least one acre were active in your jurisdiction during this reporting period.
- What percent of active construction sites were inspected during this reporting period.
- What percent of active construction sites were inspected more than once.
- Do all inspectors working for the Town use the NYS Construction Stormwater Inspection Manual.

7. MINIMUM CONTROL MEASURE 5 – POST-CONSTRUCTION STORMWATER MANAGEMENT

7.1 INTRODUCTION

This minimum control measure addresses runoff from projects after the construction phase is complete. In some cases, construction and post-construction BMPs can be located in the same area, however it is being found that construction and post construction BMPs should be located on different parts of the site and have different sizing and design criteria. In the past, more emphasis has been made on stormwater volume instead of water quality issues. The majority of the Town of Riverhead's stormwater is infiltrated by way of recharge basins with no pre-treatment.

7.2 NON-STRUCTURAL BEST MANAGEMENT PRACTICES

Non structural BMPs are measures that communities may take to protect water quality. These often include land preservation, conservation, recycling activities. These can be implemented with volunteer groups working with Town Government, the enactment of Town Code amendments, zoning restrictions, and education.

7.2.1 LAND PRESERVATION IN IMPAIRED WATERSHEDS

The Town has created two committees in its efforts to preserve property through the purchase of open space and development rights on agricultural lands. The Open Space Committee (Chapter 105) and Farmland Preservation Committee (Chapter 201), meet once a month to review applications to preserve open space and farmland. The Town had previously utilized Peconic Land Trust to promote and educate land owners and farmers of the opportunity to participate in the program. Presently local volunteers participate in the program as being open space and farmland committee members. The open space and farmland committees review the parcels, conduct site visits, rank or rate the parcels and vote to recommend to the Town Board the most viable options. Thereafter, the Town via resolution votes to hold a public hearing so the public may participate or express opinion regarding the preservation of a particular parcel. If approved, the Town Board will adopt a resolution approving the purchase and authorize the Supervisor to execute a contract to purchase the parcel.

7.2.2 TOWN CODE AMENDMENTS

On December 18, 2007, the Town adopted a local law for the addition of Chapter 110 (located in Appendix E) entitled Stormwater Management and Erosion and Sediment Control. As part of this code amendment, the Town requires the owner/operator of the permanent stormwater management practices to install the BMPs in accordance with Town Code. This will ensure that the practices are operated and maintained to achieve the goals of the chapter. The amendment also requires the owner/operator to prepare and maintain on site a preventative/corrective maintenance program. This program will include all critical facilities and systems of treatment and control which are installed or used by the owner/operator to achieve the goals. In addition, the owner/operator shall enter into a formal maintenance agreement for stormwater management facilities binding on all subsequent landowners. The agreement will be recorded in the office of the Suffolk County Clerk as a deed restriction on the property prior to the final plan approval. Chapter 110 is now Chapter 275.

7.2.3 ZONING

There are certain districts within the Town where owner/operators are encouraged to utilize permeable pavers, porous concrete, and gravel for parking areas. In addition, site developers are often encouraged to utilize depressed areas within the landscaped areas as stormwater retention areas.

7.2.4 PUBLIC EDUCATION

The Town will continue to utilize public education by way of pamphlets, posters, and seminars to inform people that everyone can make a difference. Simple ways to manage stormwater in both residential and commercial sites include practices which minimize impervious areas and clearing, and enhance site landscaping such as rain gardens and wet ponds.

7.3 STRUCTURAL BEST MANAGEMENT PRACTICES

Structural BMPs are actions that can be implemented during design/construction and are structural in nature to treat both storm water quantity and quality. They are sized based upon the volume and/or rate of flow that they can accommodate.

7.3.1 DRY DETENTION POND

Dry detention ponds are vegetated basins designed to fill during storm events and slowly release the water over a number of hours.

7.3.1.1 OPERATION AND MAINTENANCE

All facility components, vegetation, and source controls shall be inspected for proper operations and structural stability. These inspections shall occur, at a minimum, quarterly for the first 2 years from the date of installation, and two times per year thereafter, within 48 hours after each major storm event. The facility owner must keep a log, recording all inspection dates, observations, and maintenance activities. Components to be inspected include but are not limited to: pond inlet, forebay, embankment, dikes, berms, side slopes, control devices, overflow structure, sediment and debris management.

7.3.2 WET PONDS AND EXTENDED WET DETENTION PONDS

Wet ponds are constructed with a permanent pool of water (called pool storage or dead storage). Stormwater runoff enters the pond at one end and displaces water from the permanent pool. Pollutants are removed from stormwater through gravitational settling and biologic processes.

7.3.2.1 OPERATION AND MAINTENANCE

All facility components, vegetation, and source controls shall be inspected for proper operations and structural stability. These inspections shall occur, at a minimum, quarterly for the first 2 years from the date of installation, and two times per year thereafter, within 48 hours after each major storm event. The facility owner must keep a log, recording all inspection dates, observations, and maintenance activities. Components to be inspected include but are not limited to: pond inlet, forebay, embankment, dikes, berms, side slopes, control devices, overflow structure, sediment and debris management.

7.3.3 FILTRATION PRACTICES

Filtration practices are a low impact way of filtering stormwater into the groundwater. The concept is to slow the water velocity through use of a parallel conveyance of the stormwater, as the water flows across, it also infiltrates down, the slow release helps contaminants cling to soil particles, or become ingested by plants.

7.3.3.1 GRASSED SWALES

Grassed swales are long narrow grassy depressions used to collect and convey stormwater runoff, allowing pollutants to settle and filter out as the water infiltrates into the ground or flows through the facility. In addition to providing pollution reduction, flow rates and volumes can also be managed for small process (<15,000 square feet of impervious surface) with grassy swales. Swales can be used to fulfill a site's required landscaping area requirement.

Operation and Maintenance – The swale should drain within 48 hours of a storm event. All facility components, including but not limited to vegetation, source controls, swale

inlet, side slopes, swale media, and swale outlet shall be inspected for proper operations and structural stability, at a minimum, quarterly for the first 2 years from the date of installation, 2 times per year thereafter, and within 48 hours after each major storm event. The facility owner must keep a log, recording all inspection dates, observations, and maintenance activities.

7.3.3.2 SAND FILTERS

There are two sand filter options. One is designed with an impervious bottom or is placed on an impervious surface. It can be used for all soil types. The other option, for native soils with a minimum infiltration rate of 2 inches per hour (NRCS soil types A and B), allows filtered water to infiltrate into the ground. For both options, pollutant reduction is achieved as the water filters through the sand; flow control is obtained by slowing the discharge rate as the water filters through the sand. Filters may be constructed in-ground or above grade. Because they include a waterproof lining, sand filters are extremely versatile and can be used next to foundation walls, adjacent to property lines or on slopes. An overflow to an approved conveyance and disposal method is required.

Operation and Maintenance – All facility components including but not limited to vegetation, filter inlet, reservoir, filter media, under-drain piping, and overflow or emergency spillway shall be inspected for proper operations and structural stability. These inspections shall occur, at a minimum, quarterly for the first 2 years from the date of installation, and 2 times per year thereafter, and within 48 hours after each major storm event. The facility owner must keep a log, recording all inspection dates, observations, and maintenance activities.

7.3.3.3 INFILTRATION PLANTER

Infiltration planters are structural landscaped reservoirs used to collect, filter, and infiltrate stormwater runoff, allowing pollutants to settle and filter out as the water percolates through the planter soil and infiltrates into the ground. In addition to providing pollution reduction, flow rates and volumes can also be managed with infiltration planters. Planters can be used to help fulfill a site's required landscaping area requirement and should be integrated into the overall site design.

Operation and Maintenance – Water should drain through the planter within 3-4 hours after a storm event. All facility components including but not limited to downspout, splash blocks, planter reservoir, filter media, planter, overflow pipe, and vegetation shall be inspected for proper operations and structural stability. These inspections shall occur, at a minimum, quarterly for the first 2 years from the date of installation, 2 times per year thereafter, and within 48 hours after each major storm event. The facility owner must keep a log, recording all inspection dates, observations, and maintenance activities.

7.4 STORMWATER RETROFITTING

The MS4 requirements pertain to new development and redevelopment projects. Redevelopment in particular are projects where retrofitting can play a major role. For instance, existing stormwater facilities and/or conveyance systems can be retrofitted to provide better water quality treatment.

7.4.1 RETROFITTING PROTOCOLS

The Town will establish retrofitting protocols and construction measures for redevelopment sites that developers can utilize to address roof runoff, parking lot runoff, etc.

7.4.2 MUNICIPAL RETROFIT PROGRAM

The Town will implement a program to build retrofitting into the Town facilities, capital improvements and facilities maintenance program. In 2014, the Town installed a rain garden at the Peconic Riverfront to accommodate the stormwater runoff from the parking lot. The Town will continue to retrofit stormwater facilities as it is economically feasible. Public education and involvement is most probable in low impact areas such as roof runoff.

7.5 ENFORCEMENT REPSONSE PLAN

7.5.1 VERBAL WARNINGS – The owner/operator will be given one verbal warning to remedy the deficiency. This assumes the violation is not egregious but is moderate or mild in nature.

7.5.2 WRITTEN NOTICES – The Town will issue one written warning and then a Notice of Violation to residents for deficiencies and a Notice of Violation to commercial facilities.

7.5.3 CITATIONS AND ASSOCIATED FINES – Citations and fines will be levied by the Town upon violations occurring after issuance of a NOV or upon egregious violations.

7.5.4 STOP WORK ORDERS – Stop Work Orders will be issued to the Town after the above-referenced methods have been employed with little or no success. A Stop Work Order can be active as long as the Town desires which is typically when the deficiencies are remedied.

7.5.5 WITHHOLDING OF SITE PLAN APPROVAL OR OTHER AUTHORIZATIONS AFFECTING THER ABILITY TO DISCHARGE TO THE MS4 – This method is equivalent to a Stop Work Order in that all work must cease until provided further notice from the Town. This method is also applied when the first three methods have been tried without success.

7.5.6 COLLECTING AGAINST THE PROJECT'S PERFORMANCE BOND OR DIRECTLY BILLING THE RESPONSIBLE PARTY TO PAY FOR WORK AND MATERIALS TO CORRECT VIOLATIONS – These are final efforts to bring the site into compliance. These efforts are used when all others fail.

7.6 PENALTIES AND ENFORCEMENT

7.6.1 PENALTIES - Please refer to 275-11 for penalties for IDDE violations.

7.7 EVAULATING AND MEASURING PROGRESS

The Town as a standard operating procedure revises the SWMP on an annual basis to review the program and its effectiveness and changes the program as needed to address deficiencies. As part of these revisions, the Town will incorporate new measurements and evaluations to track progress. As part of this Minimum Control Measure the town will begin the following actions to evaluate progress:

- Begin meeting with Home Owner's Associations regarding best management practices for stormwater abatement. The Town will track the number of meetings per year with the attendance recorded.
- The Town will progress the priority of drainage problems and set a goal of cleaning and restoring a minimum of two recharge basins per year. Where appropriate and/or feasible, sediment forebays will be incorporated into the system. We will then track if flooding is reduced in these areas.
- Incorporate best management practice of swales along farm lands where there is a history of flooding. Once Highway Department and/or land owner has implemented, the Town will track area after heavy rain events.
- Begin program to improve flood protection measures where coastal and/or low lying neighborhoods border creeks or other natural wetlands. Implement annual cleaning event to remove debris and identify

any eroded areas and restore. The Town's goal is to implement one event per year and track effectiveness in reducing flooding.

7.8 ANNUAL REPORTING

The annual reporting period ends March 9 of each year. The annual report must be received by the DEC by June 1 of each reporting year. For MCM 5, the Town will supply the DEC with the following information:

- How many and what type of post-construction stormwater management practices has the Town inventoried, inspected, and implemented in the period
- Does the Town use GIS or spreadsheets to track post-construction BMPs, inspections and maintenance.
- What types of non-structural practices have been used to implement the Low Impact Development/Better Site Design/Green Infrastructure principles.

8. MINIMUM CONTROL MEASURE 6 – POLLUTION PREVENTION/GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS

8.1 INTRODUCTION

This minimum control measure is intended to prevent or reduce nonpoint source pollutant loadings generated from a variety of activities within urban areas. Everyday activities of municipal employees and businesses have the potential to contribute to nonpoint source pollutant loadings. These activities include improper use and disposal of household chemicals, lawn and garden maintenance, turf grass management, operation and maintenance of diesel and gasoline vehicles, illicit discharges to the MS4, commercial activities and improper pet waste disposal. Performing these activities in an environmentally responsible manner potentially will improve surface water quality through the reduction of nonpoint source pollutants.

8.2 OBJECTIVES

- To design and implement an operation and maintenance program to reduce and prevent discharge of pollutants to the maximum extent practicable from municipal operations and facilities.
- Include training in the program on pollution prevention and good housekeeping techniques in municipal operations.
- Select and implement management practices for pollution prevention and good housekeeping in municipal operations; and
- Develop measurable goals to ensure the reduction of all pollutants of concern in stormwater discharges to the maximum extent practicable.

8.3 TOWN FACILITIES AND OPERATIONS

The Town has many facilities which it operates for public interaction;

Town Hall
Town Hall West
Recreation Department
Riverhead Water District
Riverhead Sewer District
Riverhead Highway Dept.
Riverhead Municipal Garage
Buildings and Grounds Division
Street Lighting Division

Recreation Centers
George Young Community Ctr
Henry Pfeiffer Community Ctr
Senior Center

8.4 BUILDING MAINTENANCE

The Town Buildings and Grounds Division (B&G) maintains all Town buildings in terms of maintenance and repairs. In 2008, we began pursuing LEED for Building Maintenance activities. As buildings require

renovations, the Town attempts (to the maximum extent practicable) to comply with LEED requirements. We are employing LEED maintenance procedures with GS-37 labeled cleaning solvents, and only ordering enough to maintain buildings for a 6-month time frame. LIPA has conducted energy audits for all facilities and the Engineering Department has been incorporating their recommendations as buildings go through renovations and/or repairs. The Recreation Department which was replaced in 2007, converted to a gas HVAC system. All Town street lights and interior lights have been replaced with LEDs during 2020.

8.4.1.0 TREE TRIMMING

B&G. maintains the trees on Town property. Maintenance of the trees includes removing dead trees and removing damaged or deteriorated tree limbs which potentially could fall on private property causing damage and possible injury. Organic waste is brought to the Yard Waste area of the Landfill.

8.5 TOWN PARKS

B&G also maintains all of the Town Parks. The maintenance crew supervisors are licensed to place fertilizers and herbicides through the NYSDEC. In the past two years, these supervisors have attended organic turf management seminars, and are beginning to utilize organics at one location in Stozky Park. Since organics need to be established over a three-year period in order to bring the quality of turf to current standards, we are phasing it in. The B&G division under the direction of the Engineering/SMO office is working to alter certain riverfront parks to deter geese populations from staying on the riverfront and defecating.

8.5.1 GRASS MOWING

B&G bags grass clipping after mowing Town Parks. They maintain stockpiles within Stotzky Park where they combine with mulch and make their own blend of a compost/mulch. This blend is installed on the planting beds along Main Street, Polish Town and other areas where the Town maintains annual plants. B&G maintains approximately 10 mowers, with regular inspections for leaks, and efficient operation.

8.6 ROADWAY MAINTENANCE

8.6.1 GRASS MOWING

The Highway Dept also owns and maintains approximately 5 mowers which are utilized to mow the Right of Ways (ROWs) of the Towns roadway system.

8.6.2 TREE TRIMMING

The Hwy Dept. maintains the trees within the ROWs. Maintenance of the trees includes removing dead trees and removing damaged or deteriorated tree limbs which potentially could fall in the roadway causing damage and possible injury. Organic waste is brought to the Yard Waste area of the Landfill.

8.6.3 ROAD KILL REMOVAL

The Hwy Dept. removes all dead animals that have been struck and killed by motor vehicles within the roadway. This operation is generally performed by 2 staff members. The entire Hwy staff has attended training in pollution prevention, good housekeeping and stormwater management. The carcasses are brought to an animal cemetery that has been established near the Town's Landfill, and approved by the New York State Department of Environmental Conservation.

8.6.4 STREET SWEEPING

The Highway Department performs the street sweeping operations. There are currently three Hwy Dept. street sweepers in the Town. The sweepers are regularly maintained by the Municipal Garage. There are four staff members that operate these sweepers who have also attended training in pollution prevention, good housekeeping and stormwater management. This staff actively maintains records on when and where they have swept and how much debris they have swept from the roadway.

8.6.4.1 SWEEPING AND/OR CLEANING STREETS, BRIDGES, PARKING LOTS, AND RIGHTS-OF-WAY

8.6.4.1.1 All roads, bridges, parking lots, and right of ways must be swept and/or cleaned once every five years in the spring following any sanding activities. This requirement does not apply to:

8.6.4.1.1.1 Uncurbed roads with no catch basins;

8.6.4.1.1.2 High-speed limited access highways; or

8.6.4.1.1.3 Roads defined as interstates, freeways and expressways, or arterials by the USDOT, FHA, Highway Functional Classification Concepts, Criteria and Procedures, 2013.

8.6.4.1.1.4 Annually, from April 1 through October 31, roads in business and commercial areas must be swept. This requirement is not applicable to:

8.6.4.1.1.5 Uncurbed roads with no catch basins;

8.6.4.1.1.6 High-speed limited access highways; or

8.6.4.1.1.7 Roads defined as interstates, freeways and expressways, or arterials by the USDOT 20123.

8.6.5 WINTER ROAD MAINTENANCE

The Town is in the planning phase for rehabilitation of the Town's main Highway facility on Osborne Avenue. The rehabilitation would include new salt/storage barns, which would include storage of calcium chloride. Two salt barns were installed in 2011. Additional improvements to the facility would include additional vehicle bays for washing and storage. The rehabilitation would reduce the potential for any adverse impacts to human health and environment for the storage of sodium chloride and calcium chloride.

Alternatives: Alternatives to the use of sodium chloride and calcium chloride include magnesium chloride which is essentially equivalent to the two compounds the Town uses in terms of costs and corrosion, as well as calcium magnesium acetate (CMA) and urea. CMA is a biodegradable material made from limestone and acetic acid, and is considered a viable alternative to solid and liquid de-icers due to its low environmental impact. However, this compound melts at a slower rate than conventional salts and is on average 15 to 30 times the cost of conventional salts. Therefore, the Town does not use this material due to fiscal constraints, and vehicular safety concerns. Urea is utilized by airports for de-icing of planes and runways. Due to the high nutrient concentrations, the Town would not utilize this in and around wetlands, as the Town has TMDL's for Nitrogen on Peconic River, Meetinghouse and Terry's Creeks, and Sawmill Creek.

8.6.6 STORMWATER SYSTEM MAINTENANCE

Over the past two years, cleaning of the stormwater system was sporadic and on an "as needed basis". During this period, the Highway Department has developed a policy in which it deploys both the street sweepers and vacuum trucks that it has in inventory. The streets are regularly swept and a log is maintained for the roadways that are cleaned, and the residential subdivisions swept. Streets are typically swept after winter maintenance to remove the sand and salt debris, and a few times throughout the year.

Drainage basin cleanings are scheduled during non-freezing temperatures and are logged as to the dates and associated piping information. Employees conducting the cleaning inspect for construction types, potential illicit connections, and structural integrity for the piping. The Town

will incorporate its cleaning, and inventory progress in the GIS System. Dates of cleaning, maintenance and repair will be included in the data for each structure maintained.

8.6.7 SALT STORAGE BEST MANAGEMENT PRACTICES

Salt storage operations include mixing sand and salt for roadway distribution during winter weather events. The following BMPs will be used by the Town to minimize impacts to the environment from salt contained in stormwater runoff:

- The asphalt area located in front of the northerly salt barn will be scraped with a payloader upon completion of mixing operations. This area will be subsequently swept with a street sweeper weather pending.
- Spillage of the salt-sand mixture from distribution trucks will be minimized through vigilance of not overloading trucks.
- Any runoff containing salt will be prevented from entering the leaching pools by inserting plastic sheeting beneath the grates during an unplanned discharge. Water pooling on the plastic will be pumped to a tanker truck for inclusion in the brine recycling system.

8.7 GOOSE MANAGEMENT PLAN

The Town of Riverhead contains several waterbodies that are classified as pathogen impaired and is required under the MS4 program to educate the public on where, how and why pathogens pose threats. As part of this section of the permit, the Town must:

- Develop, enact and enforce a local law prohibiting pet waste on municipal properties.
- Develop a program to manage goose populations.

During 2011, the Town adopted Chapter 207 in the Town Code to prohibit goose feeding. The Town of Riverhead has demonstrated its intentions on improving sustainability within the Town and beyond in a number of economic, social, and environmental areas. The Goose Management Plan is intended to implement best management practices to dissuade Canada Geese from becoming residential but encourage them to maintain their migratory habits and remain wild animals. The Goose Management Plan is included in Appendix I.

8.8 EVALUATING AND MEASURING PROGRESS

The Town as a standard operating procedure revises the SWMP on an annual basis to review the program and its effectiveness and change the program as needed to address deficiencies. An annual reminder is posted on Microsoft Outlook to remind us of the revision process. As part of these revisions, the Town will incorporate new measurements and evaluations to track progress. As part of this Minimum Control Measure the town will begin the following actions to evaluate progress:

- Create database of Town Facilities that are un-manned to include but not be limited to items such as park equipment, sanitary facilities, lawn care, garbage pickup and proposed Best Management Practices to be incorporated in future. These facilities will be evaluated on an annual basis to inspect for sanitary functionality, potential erosion and whether Canadian Geese have become an issue. These sheets will be included Appendix D.
- Create a method of informing new employees of stormwater issues prior to commencing work. A simple handout will be distributed regarding duties of work that may affect stormwater such as graffiti removal, operating equipment, etc. A survey will be given at this time and the new employee will be given 20 minutes to complete. The survey will be reviewed to analyze whether information in handout is adequate and if the employee has a general understanding of requirements.
- Enhance the annual training to be more departmental specific. Incorporate surveys at the end of each training of Highway, Buildings and Grounds, Sanitation, Sewer and Water to ascertain if material

presented was understood. A database will be maintained on training activities, and the percentage of department will be tracked. This information will be provided in Appendix I.

- Establish policies and procedures for operations including graffiti removal and simple in house construction activities.
- Continue to track quantity of tons cleaned from streets for street sweeping. Long term evaluation will be that with increased cleaning of roadways following winter road maintenance there will be a reduction in isolated flooding events.
- The Town has developed a simple database of vehicle and tool assets per department and to track maintenance and develop policy of purchasing new equipment and vehicles based on age of equipment, miles and/or hours of use, and what new equipment should be equipped with to enhance stormwater facility maintenance such as having decanters on sweepers and what type of vac trucks are most efficient. This information will be included in Appendix I.
- Continue to track quantity of tons cleaned out of drainage basins. Long term evaluation shall be that with increased cleaning of system there will be a reduction in isolated flooding events.

8.9 ANNUAL REPORT

The annual reporting period ends March 9 of each year. The annual report must be received by the DEC by June 1 of each reporting year. For MCM 6, the Town will supply the DEC with the following information:

- List each municipal operation/facility that contributes or may potentially contribute POCs to the MS4 system.
- List of Municipal Operations good housekeeping programs.
  - Acres of parking lots swept.
  - Miles of street swept.
  - Inspections of Post Construction Control Practices.
  - Lbs of Phosphorus applied in chemical fertilizer.
  - Lbs of nitrogen applied in chemical fertilizer.
  - Lbs of pesticide/herbicide applied as pure product.
- Quantity of stormwater management trainings have been provided to municipal employees.
- Date of last training.
- Quantity of municipal employees that have been trained in this reporting period.
- Percentage of municipal employees in relevant positions and departments receiving stormwater management training.

9. ENHANCED REQUIREMENTS FOR IMPAIRED WATERS

9.1 POLLUTANT BMPS FOR PATHOGENS

9.1.1 PUBLIC EDUCATION AND OUTREACH – The pathogen impairment in the Town of Riverhead is being addressed by implementation of the following MS4 Operator's local laws:

9.1.1.1 The New York State Department of Environmental Conservation Model Local Law to Prohibit Illicit Discharges, Activities and Connections to Separate Storm Sewer Systems, December, 2007 (Chapter 275 Stormwater Management and Erosion and Sediment Control in Town Code).

9.1.1.2 The New York State Department of Environmental Conservation Sample Local Law for Stormwater Management and Erosion & Sediment Control, December, 2007 (Chapter 275 Stormwater Management and Erosion and Sediment Control in Town Code).

9.1.1.3 There are no facilities with nuisance bird populations that have the potential to contribute pathogens.

9.2 POLLUTANT BMPS FOR NITROGEN

9.2.1 PUBLIC EDUCATION AND OUTREACH – The nitrogen impairment in the Town of Riverhead is being addressed by implementation of the following MS4 Operator's local laws:

9.2.1.1 The New York State Department of Environmental Conservation Model Local Law to Prohibit Illicit Discharges, Activities and Connections to Separate Storm Sewer Systems, December, 2007 (Chapter 275 Stormwater Management and Erosion and Sediment Control in Town Code).

9.2.1.2 The New York State Department of Environmental Conservation Sample Local Law for Stormwater Management and Erosion & Sediment Control, December, 2007 (Chapter 275 Stormwater Management and Erosion and Sediment Control in Town Code).

10. WATERSHED IMPROVEMENT STRATEGY REQUIREMENTS FOR TMDL IMPLEMENTATION

10.1 NITROGEN IMPAIRED WATERSHEDS MS4S

10.1.1 PUBLIC EDUCATION AND OUTREACH ON STORMWATER IMPACTS – The nitrogen impairment in the Town of Riverhead is being addressed by implementation of the following MS4 Operator's local laws:

10.1.1.1 The New York State Department of Environmental Conservation Model Local Law to Prohibit Illicit Discharges, Activities and Connections to Separate Storm Sewer Systems, December, 2007 (Chapter 275 Stormwater Management and Erosion and Sediment Control in Town Code).

10.1.1.2 The New York State Department of Environmental Conservation Sample Local Law for Stormwater Management and Erosion & Sediment Control, December, 2007 (Chapter 275 Stormwater Management and Erosion and Sediment Control in Town Code).

APPENDIX

NEW YORK STATE | Department of Environmental Conservation

FINAL

PERMIT

for

NEW YORK STATE

DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SPDES GENERAL PERMIT

for

STORMWATER DISCHARGES

from

MUNICIPAL SEPARATE STORM SEWER SYSTEMS (MS4s)

Permit No. GP-0-24-001

Issued Pursuant to Article 17, Titles 7, 8 and Article 70
of the Environmental Conservation Law

Issuance Date: December 13, 2023

Effective Date: January 3, 2024

Expiration Date: January 2, 2029

Scott Sheeley
Chief Permit Administrator

Scott E. Sheeley — DECEMBER 13, 2023

Authorized Signature — Date

Address: NYS DEC
Division of Environmental Permits
625 Broadway, 4th Floor
Albany, NY 12233

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NOTE

All italicized words within this *State Pollutant Discharge Elimination System (SPDES)* general permit are defined in Appendix A.

Part I. Permit Coverage and Limitations

A. Permit Authorization

This *SPDES* general permit authorizes the *discharge* of *stormwater* from small *MS4*s.

1. An *MS4 Operator* is eligible for coverage under this *SPDES* general permit if the *MS4* is *automatically* or *additionally designated (Appendix B)*.

   Only portions of the *MS4* which are located within the *automatically* or *additionally designated areas* are subject to, and authorized to *discharge* by, the requirements of this *SPDES* general permit (Part IV.C.).

2. This *SPDES* general permit contains terms and conditions specific for each of the following types of *MS4 Operators* that are authorized to *discharge* under this *SPDES* general permit, in accordance with Part I.A.1:

   a. *Traditional Land Use Control MS4 Operators;*

   b. *Traditional Non-land Use Control MS4 Operators;* and

   c. Non-traditional MS4 Operators.

   The minimum control measures (MCMs) for *traditional land use MS4 Operators* are listed in Part VI. The MCMs for *traditional non-land use control MS4 Operators* and *non-traditional MS4 Operators* are listed in Part VII. Part III.B, Part VIII, and Part IX. list additional requirements for all *MS4 Operators' MS4*s *discharging* to impaired waters.

3. Non-*stormwater discharges* through outfalls listed in Part 6 of the Official Compilation of Codes, Rules and Regulations of the State of New York (NYCRR) 750-1.2(a)(29)(vi) and 40 CFR 122.34(b)(3)(ii), are authorized by this *SPDES* general permit provided they do not violate Environmental Conservation Law (ECL) Section 17-0501. If the *Department* or *MS4 Operator* determines that one or more of the *discharges* are in violation of ECL Section 17-0501, the identified *discharges* are illicit and the *MS4 Operator* must eliminate such *discharges* by following the *illicit discharge* MCM requirements found in Part VI.C. or Part VII.C, depending on the *MS4 Operator* type.

   Discharges from firefighting activities are authorized only when the firefighting activities are emergencies/unplanned.

B. Exemption and Limitations on Coverage

1. The following *discharges* from *MS4 Operators* are exempt from the requirements of this *SPDES* general permit:
   a. *Stormwater discharges* associated with an *industrial activity* provided the *discharges* are covered by the SPDES Multi-Sector General Permit for Stormwater Discharges Associated with Industrial Activity, GP-0-23-001 (MSGP); and
   b. Individual *SPDES* permitted *stormwater discharges* provided the *discharges* are in compliance with their individual *SPDES* permit limitations.
2. The following *discharges* from *MS4 Operators* are not authorized by this *SPDES* general permit:
   a. *Stormwater discharges* that may adversely affect an endangered or threatened species, or its designated critical habitat, unless the *MS4 Operator* has obtained a permit issued pursuant to 6 NYCRR Part 182 or the *Department* has issued a letter of non-jurisdiction.
   b. *Stormwater discharges* which adversely affect properties listed or eligible for listing in the National Register of Historic Places unless the covered entity is in compliance with requirements of the National Historic Preservation Act and has coordinated with the appropriate State Historic Preservation Office any activities necessary to avoid or minimize impacts.
   c. *Stormwater discharges*, the permitting of which is prohibited under 40 CFR 122.4 and 6 NYCRR 750-1.3.
   d. The *discharge* of vehicle and equipment washwater from *municipal facilities*, including tank cleaning operations.
3. All documentation necessary to demonstrate *discharge* eligibility (Part I.B.1. and Part I.B.2.) must be documented in the *Stormwater Management Program Plan (SWMP Plan)* (Part IV.B.).

Part II. Obtaining Permit Coverage

A. *MS4 Operators*, meeting the eligibility requirements in Part I.A.1. of this *SPDES* general permit, must submit the notice of intent (NOI) electronically (eNOI) unless the *MS4 Operator* has obtained a waiver from the electronic submittal requirement (Part II.B.) in order to be authorized to *discharge* under this *SPDES* general permit. Access and directions for use, for electronic submission of the NOI, are located on the *Department*'s website. *MS4 Operators* must submit the eNOI as indicated in Table 1 and in accordance with Part X.J.

Table 1. eNOI Submittal for Permit Coverage			
Type of permit coverage	**Deadline to submit complete eNOI**	**Effective Date of Coverage (EDC)**	**Form to file with the *Department***
Newly designated *MS4 Operator*	180 days[1] from written notification from the *Department*	The submission of the complete eNOI	eNOI
MS4 Operators continuing coverage from GP-0-15-003	Forty-five (45) days from the effective date of the permit (EDP)	EDP	eNOI

MS4 Operators continuing coverage from GP-0-15-003 are eligible for continued coverage under this SPDES general permit (GP-0-24-001) on an interim basis for up to sixty (60) calendar days from the EDP. During this interim period, an MS4 Operator must comply with the requirements of GP-0-15-003.

By submitting the complete e*NOI*, the *MS4 Operator* certifies that the *MS4 Operator* has read and agrees to comply with the terms and conditions of this *SPDES* general permit including the provisions to update the *SWMP Plan* (Part IV.B.) in accordance with the timeframes set forth in this *SPDES* general permit.

MS4 Operators must document the complete NOI in the *SWMP Plan* (Part IV.B.). As information in the completed NOI changes, within thirty (30) days, the *MS4 Operators* must update the information on the NOI and resubmit the completed NOI to the Department. The *MS4 Operator* must document information from the Department acknowledging previous coverage or designation in the *SWMP Plan* (Part IV.B.).

Where there is a permit condition to *develop,* newly designated *MS4 Operators* must create that permit requirement. Where there is a permit condition to *develop, MS4 Operators* continuing coverage must continue to implement their current *SWMP* and update the *SWMP* to comply with the permit requirement.

For newly designated *MS4 Operators*, timeframes for compliance begin on the effective date of coverage (EDC).

B. Electronic Submission Waiver

1. *MS4 Operators* must submit all NOIs electronically unless the *MS4 Operator* has received a waiver from the Department based on one of the following conditions:

   a. If the *MS4 Operator* is physically located in a geographical area (i.e., zip code or census tract) that is identified as under-served for broadband internet

[1] In this *SPDES* general permit, days refer to calendar days.

access in the most recent report from the Federal Communications Commission; or

b. If the *MS4 Operator* has limitations regarding available computer access or computer capability.

2. If an *MS4 Operator* wishes to obtain a waiver from submitting an NOI electronically, the *MS4 Operator* must submit a request using the Application for Electronic Submittal Waiver to the *Department* at the following address:

   NYS DEC Bureau of Water Compliance

   MS4 NOTICE OF INTENT WAIVER

   625 Broadway, 4th Floor

   Albany, New York 12233-3505

3. A waiver may only be considered granted once the *MS4 Operator* receives written confirmation from the *Department*.

4. *MS4 Operators* must document the eNOI waiver in the *SWMP Plan* (Part IV.B.), if applicable.

C. *MS4 Operators* who submit a complete NOI are authorized to *discharge stormwater* under the terms and conditions of this *SPDES* general permit.

1. NOI Content

   The NOI shall include:

   a. Legal name and address of the *MS4 Operator*;

   b. Receiving waterbodies; and

   c. *Municipal Separate Storm Sewer System (MS4)* NPDES Permit-Related Information of 40 CFR Part 127 Appendix A.

Part III. Special Conditions

A. *Discharge* Compliance with *Water Quality Standards*

1. The *MS4 Operator* must implement the required controls contained in Part III. through Part IX. of this *SPDES* general permit. The *Department* expects that compliance with the terms and conditions of this *SPDES* general permit will assure *MS4 discharges* meet applicable *water quality standards*.

2. It shall be a violation of the ECL for any *discharge* authorized by this *SPDES* general permit to either cause or contribute to a violation of *water quality standards* as contained in 6 NYCRR 700-705.

3. The *MS4 Operator* must take all necessary actions to ensure *discharges* comply with the terms and conditions of this *SPDES* general permit. If at any time an *MS4 Operator* becomes aware (e.g., through self-monitoring or by notification from the *Department*) that a *discharge* causes or contributes to the violation of an applicable *water quality standard*, the *MS4 Operator* must implement corrective

actions and the *MS4 Operator* must document these actions in the *SWMP Plan* (Part IV.B.).

4. Compliance with this *SPDES* general permit does not preclude, limit, or eliminate any enforcement activity as provided by Federal and/or State law. Additionally, if violations of applicable *water quality standards* occur, then coverage under this *SPDES* general permit may be terminated by the *Department* in accordance with 6 NYCRR 750-1.21(e), and the *Department* may require an application for an alternative *SPDES* general permit or an individual *SPDES* permit may be issued.

B. Water Quality Improvement Strategies for Impaired Waters

1. List of Impaired Waters (Appendix C)

Part VIII. requirements must be implemented in addition to the applicable requirements of the six (6) MCMs in Part VI. or Part VII, depending on the *MS4 Operator* type.

For *MS4 Operators* whose *MS4 outfall*s and *additionally designated area MS4 outfalls* (*ADA MS4 outfalls*) *discharge* to waters impaired for phosphorus, silt/sediment, pathogens, nitrogen, or floatables (Appendix C), the *MS4 Operator* must *develop* and implement the *pollutant* specific *best management practices (BMPs*), listed in Part VIII, targeted towards the *pollutant of concern (POC)* causing the impairment.

For *MS4 Operators discharging* to waters within a *total maximum daily load (TMDL)* watershed that does not specify a *pollutant* load reduction necessary for *MS4*s and listed in Appendix C, the *MS4 Operator* must implement the enhanced *BMP* requirements of Part VIII. for the applicable *pollutant* of concern of the *TMDL*.

The enhanced *BMP* requirements in Part VIII. are written to address the *POCs* listed in Table 2.

Table 2. *Pollutant* Specific BMPs for Impaired Waters listed in Appendix C

POC	**Part VIII. Reference**
Phosphorus	A
Silt/Sediment	B
Pathogens	C
Nitrogen	D
Floatables	E

2. Watershed Improvement Strategy Requirements for *TMDL* Implementation (Part IX.)

Part IX. requirements must be implemented in addition to the applicable requirements of the six (6) MCMs in Part VI. or Part VII, depending on the *MS4 Operator* type.

a. *MS4 Operators discharging* to waters within the watersheds listed in Table 3 must implement additional *BMPs* and applicable *retrofit* plans as specified in Part IX. to achieve the *pollutant* load reductions specified in the referenced *TMDL* or respective implementation plan.

Table 3. Approved *TMDL* Watersheds with *MS4* Contribution

TMDL	POC	Part IX. Reference
Phase II Phosphorus TMDLs for Reservoirs in the NYC Watershed, June 2000	Phosphorus	A
Total Maximum Daily Load (TMDL) for Phosphorus in Lake Carmel, October 2016		
Total Maximum Daily Load (TMDL) for Phosphorus in Palmer Lake, March 2015		
Impaired Waters Restoration Plan for Greenwood Lake – Total Maximum Daily Load for Total Phosphorus, September 2005	Phosphorus	B
Updated Phosphorus Total Maximum Daily Load for Onondaga Lake, June 2012		
Total Maximum Daily Load (TMDL) for Phosphorus in Lake Oscawana, September 2008		
None	Pathogen	C
TMDL for Nitrogen in the Peconic Estuary Program Study Area, Including Waterbodies Currently Impaired Due to Low Dissolved Oxygen: the Lower Peconic River and Tidal Tributaries; Western Flanders Bay and Lower Sawmill Creek; and Meetinghouse Creek, Terry Creek and Tributaries, September 2007	Nitrogen	D

b. Each *MS4 Operator* is responsible for a waste load reduction as specified in the applicable *TMDL* or *TMDL* implementation plan referenced in Part IX. *MS4 Operators* may form a *Regional Stormwater Entity (RSE)* to implement *stormwater retrofits* collectively where compliance with the *pollutant* reduction requirements would be achieved on a regional basis. The individual load reduction for each participating *MS4 Operator* is aggregated to create a *RSE* load reduction. The *RSE* then designs and installs *retrofits* where they are most feasible within the boundaries of the *RSE*. Each participating *MS4*

Operator of an *RSE* complies if the aggregated *RSE pollutant* load reduction is met.

3. Impaired waters with an approved *TMDL* and listed in Appendix C

Part VIII. and Part IX. requirements must be implemented in addition to the applicable requirements of the six (6) MCMs in Part VI. or Part VII, depending on the *MS4 Operator* type.

An *MS4 discharging* to a waterbody listed in Appendix C must meet the requirements of Part VIII. for the *POC*(s) listed in Appendix C.

An *MS4 discharging* to a waterbody listed in Table 3 must meet the requirements of Part IX. for the specific *POC* identified in the *TMDL*.

Part IV. *Stormwater Management Program (SWMP)* Requirements

MS4 Operators must *develop*, implement, and enforce a *SWMP*. The *SWMP* must be retained in written format, hardcopy or electronic. The written *SWMP* is referred to as the *SWMP Plan* (Part IV.B.). The *MS4 Operator* must use the *SWMP Plan* (Part IV.B.) to document *developed*, planned, and implemented elements of the *SWMP*.

A. Administrative

1. Alternative Implementation Options

a. *MS4 Operators* may utilize other entities or the resources of those entities to assist with any portion of the *SWMP* development, implementation, or enforcement. These entities may consist of other *MS4 Operators*, an *RSE*, a Coalition of *MS4 Operators*, other public entities (e.g., non-*MS4 Operators*), or a private third-party contractor. If the *MS4 Operator* is relying upon another entity for compliance with any portion of this *SPDES* general permit, there must be an agreement in place that:

i. Is legally binding;

ii. Is documented in writing;

iii. Is signed and dated by all parties including a certification statement that explains that the *MS4 Operator* is responsible for compliance with this *SPDES* general permit;

iv. Identifies the activities that the entity will be responsible for including the particular MCM, the location and type of work;

v. Includes the name, address, and telephone number of the contact person representing the entity;

vi. Is kept up-to-date and part of the *SWMP Plan*; and

vii. Is retained by each party for the duration of the permit term.

b. In the *SWMP Plan*, the *MS4 Operator* must *develop* and maintain an inventory of entities assisting in permit implementation that includes the following information:

   i. Name of entity performing permit implementation; and

   ii. Permit requirement being implemented performed by entity.

c. Irrespective of any agreements, each party remains legally responsible for obtaining its own permit coverage, for filing the *NOI,* and satisfying all requirements of this *SPDES* general permit for its own *discharges*.

d. Within thirty (30) days signing, alternative implementation agreements (Part IV.A.1.) must be documented in the *SWMP Plan* (Part IV.B.).

e. Annually review and update any alternative implementation agreements in the *SWMP Plan*, as necessary.

2. Staffing plan/Organizational chart

Individual *SWMP* components may be *developed*, implemented, or enforced by different titles associated with the *MS4 Operator*, or other entities as described in Part IV.A.1. Within six (6) months of the EDC, the *MS4 Operator* must *develop* a written staffing plan/organizational chart which includes job titles and other entities as identified in Part IV.A.1, and the roles and responsibilities for each corresponding to the required elements of the *SWMP*. The staffing plan must describe how information will be communicated and coordinated among all those with identified responsibilities. All staffing plan/organization charts must be documented in the *SWMP Plan* (Part IV.B.).

B. *SWMP Plan*

The *SWMP Plan* must contain, at a minimum, all permit requirements implemented to meet the terms and conditions of this *SPDES* general permit, and documentation required by this *SPDES* general permit. The *SWMP Plan* may incorporate by reference any documents that meet the requirements of this *SPDES* general permit. If an *MS4 Operator* relies upon other documents to describe how the *MS4 Operator* will comply with the requirements of this SPDES general permit, the *MS4 Operator* must attach to the *SWMP Plan* a copy of these documents.

The *SWMP Plan* must identify if any requirements from Part VI. through Part IX. do not require updates and include the rationale behind the determination. The *SWMP Plan* must identify if any requirements from Part VI. through Part IX. are not applicable and include the rationale behind the determination.

1. *Stormwater* Program Coordinator

On the NOI, the *MS4 Operator* must designate a *Stormwater* Program Coordinator who must be knowledgeable in the principles and practices of *stormwater* management, the requirements of this *SPDES* general permit, and the *SWMP*. The *Stormwater* Program Coordinator oversees the *development*, implementation, and enforcement of the *SWMP;* coordinates all elements of the

SWMP to ensure compliance with this *SPDES* general permit; and *develops* and submits the Annual Report (Part V.B.2.). The name, title, and contact information of the *Stormwater* Program Coordinator must be documented in the *SWMP Plan*.

2. Availability of *SWMP Plan*

a. Within six (6) months of the EDC, the *MS4 Operator* must make the current *SWMP Plan*, and documentation associated with the implementation of the *SWMP Plan*, available during normal business hours to the *MS4 Operator*'s management and staff responsible for implementation as well as the *Department* and United States Environmental Protection Agency (USEPA) staff.[2] The completion of this permit requirement must be documented in the *SWMP Plan*.

b. Within six (6) months of the EDC, the *MS4 Operator* must make a copy of the current *SWMP Plan* available for public inspection during normal business hours at a location that is accessible to the public or on a public website. The location of the *SWMP Plan* must be kept current. The completion of this permit requirement must be documented in the *SWMP Plan*.

3. Timeframes for *SWMP* Plan Development or Updates

MS4 Operators must *develop* and implement their *SWMP Plan* in accordance with the timeframes set forth in this *SPDES* general permit. Annually, after the end of the Reporting Year and by April 1, the *SWMP Plan* must be updated to ensure the permit requirements are implemented. More frequent updates to the *SWMP Plan* are noted throughout this *SPDES* general permit in specific permit requirements.

C. Minimum Control Measures (MCMs)

The MCMs for *traditional land use MS4 Operators* are listed in Part VI. while those for *traditional non-land use control MS4 Operators* and *non-traditional MS4 Operators* are listed in Part VII. Parts III.B, Part VIII, and Part IX. list additional requirements for all *MS4 Operators discharging* to impaired waters.

MS4 Operators subject to Part VI.

For *MS4 Operators* subject to Part VI. requirements, all MCMs must be implemented within the *automatically designated area* or an *additionally designated area* subject to Criterion 1 or 2 of the Additional Designation Criteria (Appendix B).

For *MS4 Operators* subject to Part VI. requirements, MCM 4 and MCM 5 must also be implemented within an *additionally designated area* subject to Criterion 3 of the Additional Designation Criteria (Appendix B).

MS4 Operators subject to Part VII.

For *MS4 Operators* subject to Part VII. requirements, all MCMs must be implemented within the *automatically designated area* or an *additionally designated area* subject to Criterion 1 or 2 of the Additional Designation Criteria (Appendix B).

[2] Part X.F. contains the duty for the *MS4 Operator* to provide information.

MS4 Operators subject to Part VIII.

Part VIII. requirements must be implemented in addition to the applicable requirements of the six (6) MCMs in Part VI. or Part VII, depending on the *MS4 Operator* type.

For all *MS4 Operators* subject to Part VIII. requirements, all MCMs must be implemented within the *automatically designated area*.

For *MS4 Operators* subject to Part VI. requirements and subject to Part VIII. requirements, MCM 4 and MCM 5 must also be implemented within an *additionally designated area* subject to Criterion 3 of the Additional Designation Criteria (Appendix B).

MS4 Operators subject to Part IX.

Part IX. requirements must be implemented in addition to the applicable requirements of the six (6) MCMs in Part VI. or Part VII, depending on the *MS4 Operator* type.

For all *MS4 Operators* subject to Part IX. requirements, all MCMs must be implemented within the *automatically designated area* or an *additionally designated area* subject to Criterion 1 of the Additional Designation Criteria (Appendix B).

D. Mapping

The *MS4 Operator* must *develop* and maintain comprehensive system mapping to include the mapping components within the MS4 Operator's *automatically designated area* or an *additionally designated area* subject to Criterion 1 or 2 of the Additional Designation Criteria (Appendix B), unless otherwise specified. The comprehensive system mapping must be documented in the *SWMP Plan*. The comprehensive system mapping must be in a readily accessible format, with scale and detail appropriate to provide a clear understanding of the *MS4*, to serve as a planning tool to allow for prioritization of efforts and facilitate management decisions by the *MS4 Operator*. Annually, after Phase I (Part IV.D.2.a.) completion, the *MS4 Operator* must update the comprehensive system mapping including updates to prioritization information of monitoring locations (Part VI.C.1.d. or Part VII.C.1.d, depending on the *MS4 Operator* type), construction sites (Part VI.D.5. or Part VII.D.5, depending on the *MS4 Operator* type), and *municipal facilities* (Part VI.F.2.c.i. or Part VII.F.2.c.i, depending on the *MS4 Operator* type).

1. Within six (6) months of the EDC, the comprehensive system mapping must include the following information:
    a. *MS4 outfall*s (as required for *MS4 Operators* continuing coverage from previous iterations of this *SPDES* general permit);
    b. *Interconnections* (as required for *MS4 Operators* continuing coverage from previous iterations of this *SPDES* general permit);
    c. Preliminary *storm-sewershed* boundaries (as required for *MS4 Operators* continuing coverage from previous iterations of this *SPDES* general permit);

d. *MS4* infrastructure (as required for *MS4 Operators* continuing coverage from previous iterations of this *SPDES* general permit that were subject to Part IX.A. or Part IX.D.), including:
   i. Conveyance system
      a) Type (closed pipe or open drainage);
      b) Conveyance description for closed pipes (material, shape, dimensions);
      c) Conveyance description for open drainage (channel/ditch lining material, shape, dimensions); and
      d) Direction of flow;
   ii. Culvert crossings (location and dimensions)
   iii. Stormwater structures
      a) Type (drop inlet, *catch basin*, or manhole); and
      b) Number of connections to *catch basins*, and manholes;
e. Basemap information:
   i. *Automatically*[3] and *additionally designated areas* (based on criterion 3 of Additional Designation Criteria in Appendix B);[4]
   ii. Names and location of all *surface waters of the State*, including:
      a) Waterbody classification;[5]
      b) Waterbody Inventory/Priority Waterbodies List (WI/PWL);[6]
         i) Impairment status; and
         ii) *POC,* if applicable;
      c) *TMDL* watershed areas;[7]
   iii. Land use, including:
      a) Industrial;
      b) Residential;
      c) Commercial;
      d) Open space; and
      e) Institutional;
   iv. Roads; and
   v. Topography.[8]

2. The comprehensive system mapping must be updated with the data collected for each phase of mapping within the timeframe for each phase as outlined below:
   a. Phase I: Within three (3) years of the EDC, the comprehensive system mapping must include the following information:

[3]Utilizing the Stormwater Interactive Map on the Department's website or the NYS GIS Clearinghouse.
[4]Utilizing the Stormwater Interactive Map on the Department's website.
[5]Utilizing the Stormwater Interactive Map on the Department's website or the NYS GIS Clearinghouse.
[6]Utilizing the Stormwater Interactive Map on the Department's website or the NYS GIS Clearinghouse.
[7]Utilizing the Stormwater Interactive Map on the Department's website.
[8] Utilizing USGS Quadrangle Map or finer.

i. Monitoring locations, with associated prioritization (Part VI.C.1.d. or Part VII.C.1.d, depending on the *MS4 Operator* type);
ii. Preliminary *storm-sewershed* boundaries (for newly designated *MS4 Operators*);
iii. Focus areas (Part VI.A.1.a. or Part VII.A.1.a, depending on the *MS4 Operator* type);
iv. *Publicly owned/operated* post-construction *stormwater management practices* (*SMPs)* (Part VI.E.3. or Part VII.E.3, depending on the *MS4 Operator* type). The *publicly owned/operated* post-construction *SMPs* subject to this requirement are in the *automatically designated area* or an *additionally designated area* subject to Criterion 1, 2, or 3 of the Additional Designation Criteria (Appendix B); and
v. *Municipal facilities,* with associated prioritization (Part VI.F.2.c. or Part VII.F.2.c, depending on the *MS4 Operator* type).

b. Phase II: Within five (5) years of the EDC, the comprehensive system mapping must include the following information:

i. *MS4* infrastructure, including:
a) Conveyance system
i) Type (closed pipe or open drainage); and
ii) Direction of flow;[9]

b) *Stormwater* structures
i) Type (drop inlet, *catch basin*, or manhole); and
ii) Number of connections to and from drop inlets, *catch basins*, and manholes;

ii. *Privately owned/operated* post-construction *SMPs* which *discharge* to the *MS4* (Part VI.E.2.). The *privately owned/operated* post-construction *SMPs* subject to this requirement are in the *automatically designated area* or an *additionally designated area* subject to Criterion 1, 2, or 3 of the Additional Designation Criteria (Appendix B).
a) If the location of the privately-owned post-construction SMPs cannot be determined without accessing the private property, the *MS4 Operator* must map the location of the property that the post-construction SMP is located on using street address or tax parcel.

E. Legal Authority

For *MS4 Operators* continuing coverage from previous iterations of this *SPDES* general permit, adequate legal authority must be maintained in accordance with Part IV.E.1. or Part IV.E.2.

For a newly designated *MS4 Operator*, within three (3) years, the *MS4 Operator* must, to the extent allowable by State and local law, *develop* and implement

[9] Direction of flow can be a written description or indicated as an arrow on the feature.

adequate legal authority to control *pollutant discharges* to implement this *SPDES* general permit. An *MS4 Operator* must either be in conformance with Part IV.E.1. or Part VI.E.2:

1. Adopt the following model local laws and include a copy of the resolution in their *SWMP Plan*:
   a. The New York State Department of Environmental Conservation Model Local Law to Prohibit Illicit Discharges, Activities and Connections to Separate Storm Sewer Systems, April 2006 (NYS DEC Model IDDE Local Law 2006); and
   b. The New York State Department of Environmental Conservation Sample Local Law for Stormwater Management and Erosion & Sediment Control, March 2006 (NYS DEC Sample SM and E&SC Local Law 2006).
2. Enact a legal mechanism or ensure that written policies/procedures are in place with content equivalent to the model local law, with documentation in the *SWMP Plan* from the attorney representing the *MS4 Operator* of the equivalence. Equivalent legal mechanisms or written policies/procedures must include the following:
   a. For *illicit discharges*:
      i. A prohibition of:
         a) *Illicit discharges*, spills or other release of *pollutants*;
         b) Unauthorized connections into the *MS4*;
      ii. A mechanism to:
         a) Receive and collect information related to the introduction of *pollutants* into the *MS4*;
         b) Require installation, implementation, and maintenance of post-construction *SMPs*;
         c) Require compliance and take enforcement action; and,
         d) Access property for inspection.
   b. To be adequate the legal mechanism must also ensure:
      i. Applicable *construction activities* are effectively controlled and include post-construction runoff controls for new development and redevelopment projects; and
      ii. Post-construction *SMPs* are properly operated and maintained by requiring the following:
         a) A stormwater pollution prevention plan (SWPPP) with erosion and sediment controls that meets or exceed the New York State, Standards and Specifications for Erosion & Sediment Control, November 2016 (NYS E&SC 2016) and requires post-construction *SMPs* for applicable *construction activity* described in Part VI.D.1 in conformance with the

SPDES General Permit for Stormwater from Construction Activities, GP-0-20-001 (CGP);

b) Post-construction *SMPs* as required by CGP meet the *sizing criteria* specified in the New York State Stormwater Management Design Manual, January 2015 (NYS SWMDM 2015), and performance criteria, or equivalent, including Operation & Maintenance Plans for long term maintenance;

c) Construction site operators to control waste such as discarded building materials, concrete truck washout, chemicals, litter, and sanitary waste, all of which may cause adverse impacts to water quality; and

d) Receive and collect information related to compliance with the approved SWPPP including verification of maintenance of post-construction *SMPs* (if conducted by private entities).

F. Enforcement Measures & Tracking

1. Enforcement Response Plan

Within six (6) months, the *MS4 Operator* must *develop* and implement an enforcement response plan (ERP) which clearly describes the action(s) to be taken for violations that the *MS4 Operator* has enacted for illicit *discharge* (Part VI.C. or Part VII.C, depending on the MS4 Operator type), construction (Part VI.D. or Part VII.D, depending on the MS4 Operator type), and post-construction (Part VI.E. or Part VII.E, depending on the MS4 Operator type). The ERP must be documented in the *SWMP Plan*. The ERP must set forth a protocol to address repeat and continuing violations through progressively stricter responses (i.e., escalation of enforcement) as needed to achieve compliance with the terms and conditions of this *SPDES* general permit.

a. The ERP must describe how the *MS4 Operator* will use the following types of enforcement responses or combination of responses:

   i. Verbal warnings;

   ii. Written notices;

   iii. Citations (and associated fines);

   iv. Stop work orders;

   v. Withholding of plan approvals or other authorizations affecting the ability to *discharge* to the *MS4*; and

   vi. Additional measures, supported in local legal authorities, such as collecting against the project's bond or directly billing the responsible party to pay for work and materials to correct violations.

b. Enforcement responses are based on the type, magnitude, and duration of the violation, effect of the violation on the receiving water, compliance history of the operator, and good faith of the operator in compliance efforts.

c. Efforts to obtain a voluntary correction of deficiencies through informal enforcement, such as verbal warnings or written notices, must not exceed sixty (60) days in duration (from the time of the *MS4 Operator's* initial determination until a return to compliance).

2. Enforcement Tracking

The *MS4 Operator* must track instances of non-compliance in the *SWMP Plan*. The enforcement case documentation must include, at a minimum, the following:

a. Name of the owner/operator of the facility or site of the violation (can be redacted from the publicly available SWMP Plan);

b. Location of the *stormwater* source (e.g., construction project);

c. Description of the violation;

d. Schedule for returning to compliance;

e. Description of enforcement response used, including escalated responses if repeat violations occur or violations are not resolved in a timely manner;

f. Accompanying documentation of enforcement response (e.g., notices of noncompliance, notices of violations);

g. Any referrals to different departments or agencies; and

h. Date violation was resolved.

Part V. Recordkeeping, Reporting, and *SWMP* Evaluation

A. Recordkeeping

The *MS4 Operator* must keep records required by this *SPDES* general permit for five (5) years after they are generated. Records must be submitted to the *Department* within a reasonable specified time period of a written *Department* request for such information. Documents can be maintained in electronic format if the manner reasonably assures the integrity of the records, in accordance with NYCRR 750-2.5(e)(1). Records, including the NOI and the SWMP Plan, must be made available to the public at reasonable times during regular business hours.

B. Reporting

1. Report Submittal

a. Reports must be submitted electronically to the *Department* using the forms located on the Department's website (http://www.dec.ny.gov/).

b. Electronic Submission Waiver

ii. *MS4 Operators* must submit all reports electronically unless the *MS4 Operator* has received a waiver from the *Department* based on one of the following conditions:

a) If the *MS4 Operator* is physically located in a geographical area (i.e., zip code or census tract) that is identified as under-served for broadband internet access in the most recent report from the Federal Communications Commission; or

b) If the *MS4 Operator* has limitations regarding available computer access or computer capability.

iii. If an *MS4 Operator* wishes to obtain a waiver from submitting a report electronically, the *MS4 Operator* must submit a request using the Application for Electronic Submittal Waiver to the *Department* at the following address:

NYS DEC Bureau of Water Compliance

MS4 NOTICE OF INTENT WAIVER

625 Broadway, 4th Floor

Albany, New York 12233-3505

iv. A waiver may only be considered granted once the *MS4 Operator* receives written confirmation from the *Department*.

v. *MS4 Operators* must document the electronic submission waiver in the *SWMP Plan*, if applicable.

2. Annual Reports

a. Annually, *MS4 Operators* must submit an Annual Report to the *Department* using the form provided by the *Department*. The completion of this permit requirement must be documented in the *SWMP Plan*.

b. The reporting period for the Annual Report is January 3 of the current year to January 2 of the following year (Reporting Year).

c. For *MS4 Operators* continuing coverage, the Annual Report must be submitted to the *Department* by April 1 of the year following the end of the Reporting Year.

d. For newly designated *MS4 Operators*, if authorization to discharge is granted:

i. Before September 30, the first Annual Report must be submitted by April 1 of the year following the end of the Reporting Year; or

ii. After September 30, the first Annual Report must be submitted by April 1 following their first complete Reporting Year.

3. Interim Progress Certifications

a. Twice a year, *MS4 Operators* must submit to the *Department* an Interim Progress Certification that verifies the activities included in this *SPDES* general permit have been completed by the date specified using the form provided by the *Department*. The completion of this permit requirement must be documented in the *SWMP Plan*.

b. *MS4 Operators* located within the watersheds listed in Table 3 must include additional information to identify the activities that have been performed during the reporting period to demonstrate progress made by the *MS4 Operator* towards completion of the reduction requirements, prescribed in Part IX.

c. An Interim Progress Certification for the period of January 3 through June 30 of the same year must be submitted to the *Department* by October 1 of the same year. An Interim Progress Certification for the period of July 1 through January 2 of the following year must be submitted to the *Department* by April 1 of the following year along with the Annual Report. Submission of the Annual Report is not a substitute for submission of the Interim Progress Certification.

4. Shared Annual Reporting

MS4 Operators working together to implement their *SWMPs* may complete and submit a shared Annual Report to satisfy the reporting requirements specified in Part V.B.2.

a. The shared Annual Report must outline and explain group activities, but also include the tasks performed by each individual *MS4 Operator*.

b. On or before the reporting deadline, April 1, each *MS4 Operator* within the group, must sign the certification section of the Annual Report to take responsibility for the information in the Annual Report, which includes specific endorsement or acceptance of both the shared Annual Report information and Annual Report information on behalf of the individual *MS4 Operator.*

5. Certification

All reports specified within this Part must be signed and certified in accordance with Part X.J.

6. Annual Report and Interim Progress Certification Content

The Annual Report and Interim Progress Certifications shall summarize the activities performed throughout the Reporting Year, including:

a. The status of compliance with permit requirements;

b. Information documented in the *SWMP Plan*, as specified throughout this *SPDES* general permit; and

c. A certification statement in accordance with 40 CFR 122.22(d).

C. *SWMP* Evaluation

Once every five (5) years, the *MS4 Operator* must evaluate the *SWMP* for compliance with the terms and conditions of this *SPDES* general permit, including the effectiveness or deficiencies of components of the individual *SWMP Plan*, and

the status of achieving the requirements outlined in this *SPDES* general permit. The *SWMP* evaluation must be documented in the *SWMP Plan*.

Part VI. Minimum Control Measures (MCMs) for *Traditional Land Use Control MS4 Operators*

In addition to the requirements contained in Part I. through Part V, *traditional land use control MS4 Operators* must comply with the MCMs contained in this Part.

A. MCM1 – Public Education and Outreach Program

The *MS4 Operator* must *develop* and implement an education and outreach program to increase public awareness of *pollutant* generating activities and behaviors. This MCM is designed to inform the public about the impacts of *stormwater* on water quality, the general sources of *stormwater pollutants*, and the steps the general public can take to reduce *pollutants* in *stormwater* runoff.

1. Development

a. Focus Areas

Within three (3) years of the EDC, the *MS4 Operator* must identify and document the focus areas in the *SWMP Plan*. The focus areas to be considered are as follows:

i. Areas *discharging* to waters with Class AA-S, A-S, AA, A, B, SA, or SB (mapped in accordance with Part IV.D.1.e.ii.a));

ii. *Sewersheds* for impaired waters listed in Appendix C (subject to Part VIII. requirements; mapped in accordance with Part IV.D.1.c. for *MS4 Operators* continuing coverage and Part IV.D.2.a.ii. for newly designated *MS4 Operators*);

iii. *TMDL* watersheds (subject to Part IX. requirements; mapped in accordance with Part IV.D.1.e.ii.c));

iv. Areas with *construction activities*;

v. Areas with on-site wastewater systems (subject to Part VIII. or Part IX. requirements);

vi. Residential, commercial, and industrial areas (mapped in accordance with Part IV.D.1.e.iii.);

vii. *Stormwater hotspots*; and

viii. Areas with *illicit discharges*.

b. Target Audiences and Associated *Pollutant* Generating Activities

Within three (3) years of the EDC, the *MS4 Operator* must identify and document the applicable target audience(s) and associated *pollutant* generating activities that the outreach and education will address for each focus area identified by the *MS4 Operator* in Part VI.A.1.a. in the *SWMP Plan*. The target audiences are as follows:

i. Residents;

ii. Commercial:[10] Business owners and staff;

iii. Institutions:[11] Managers, staff, and students;

iv. Construction: Developers, contractors, and design professionals;

v. Industrial:[12] Owners and staff; and

vi. *MS4 Operator*'s *municipal* staff.

c. Education and Outreach Topics

Within three (3) years of the EDC, the *MS4 Operator* must identify and document in the *SWMP Plan* the education and outreach topics and how the education and outreach topics will reduce the potential for *pollutants* to be generated by the target audience(s) (Part VI.A.1.b.) for the focus area(s) (Part VI.A.1.a.).

d. *Illicit Discharge* Education

Within six (6) months of the EDC, the *MS4 Operator* must make information related to the prevention of *illicit discharges*, available to *municipal* employees, businesses, and the public and document the completion of this requirement in the *SWMP Plan*. The information related to the prevention of illicit discharges must include the following:

i. What types of *discharges* are allowable (Part I.A.3.);

ii. What is an *illicit discharge* and why is it prohibited (Part VI.C.);

iii. The environmental hazards associated with *illicit discharges* and improper disposal of waste;

iv. Proper handling and disposal practices for the most common behaviors within the community (e.g., septic care, car washing, household hazardous waste, swimming pool draining, or other activities resulting in *illicit discharges* to the *MS4*); and

v. How to report *illicit discharges* they may observe (Part VI.C.1.a.).

2. Implementation and Frequency

a. Distribution Method of Educational Messages

Once every five (5) years, the *MS4 Operator* must identify and document in the *SWMP Plan* which of the following method(s) are used for the distribution of educational messages:

i. Printed materials (e.g., mail inserts, brochures, and newsletters);

ii. Electronic materials (e.g., websites, email listservs);

[10] Business, retail stores, and restaurants.
[11] Hospitals, churches, colleges, and schools.
[12] Factories, recyclers, auto-salvage, and mines.

iii. Mass media (e.g., newspapers, public service announcements on radio or cable);

iv. Workshops or focus groups;

v. Displays in public areas (e.g., town halls, library, parks); or

vi. Social Media (e.g., Facebook, Twitter, blogs).

b. Frequency

Following the completion of Part VI.A.1.a, Part VI.A.1.b, and Part VI.A.1.c, within five (5) years of the EDC, and once every five (5) years, thereafter, the *MS4 Operator* must:

i. Deliver an educational message to each target audience(s) (Part VI.A.1.b.) for each focus area(s) (Part VI.A.1.a.) based on the defined education and outreach topic(s) (Part VI.A.1.c.); and

ii. Document the completion of this requirement in the *SWMP Plan*.

c. Updates to the Public Education and Outreach Program

Following the completion of Part VI.A.1.a, Part VI.A.1.b, and Part VI.A.1.c, annually, by April 1, the *MS4 Operator* must:

i. Review and update the focus areas, target audiences, and/or education and outreach topics; and

ii. Document the completion of this requirement in the *SWMP Plan*.

B. MCM 2 - Public Involvement/Participation

The *MS4 Operator* must provide opportunities to involve the public in the development, review, and implementation of the *SWMP*. This MCM is designed to give the public the opportunity to include their opinions in the implementation of this *SPDES* general permit.

1. Public Involvement/Participation

a. Annually, the *MS4 Operator* must provide an opportunity for public involvement/participation in the development and implementation of the *SWMP*. The *MS4 Operator* must document the public involvement/participation opportunities in the *SWMP Plan*. The opportunities for public involvement/participation are as follows:

i. Citizen advisory group on *stormwater* management;

ii. Public hearings or meetings;

iii. Citizen volunteers to educate other individuals about the *SWMP*;

iv. Coordination with other pre-existing public involvement/participation opportunities;

v. Reporting concerns about activities or behaviors observed; or

vi. Stewardship activities.

b. Annually, the *MS4 Operator* must inform the public of the opportunity (Part VI.B.1.a.) for their involvement/participation in the development and implementation of the *SWMP* and how they can become involved. The *MS4 Operator* must document the method for distribution of this information in the *SWMP Plan*. The methods for distribution are as follows:

i. Public notice;

ii. Printed materials (e.g., mail inserts, brochures and newsletters);

iii. Electronic materials (e.g., websites, email listservs);

iv. Mass media (e.g., newspapers, public service announcements on radio or cable);

v. Workshops or focus groups;

vi. Displays in public areas (e.g., town halls, library, parks); or

vii. Social Media (e.g., Facebook, Twitter, blogs).

c. Within six (6) months of the EDC, the *MS4 Operator* must identify a local point of contact to receive and respond to public concerns regarding *stormwater* management and compliance with permit requirements. The name or title of this individual, with contact information, must be published on public outreach and public participation materials and documented in the *SWMP Plan*.

2. Public Notice and Input Requirements

a. Public Notice and Input Requirements for *SWMP Plan*

Annually, the *MS4 Operator* must provide an opportunity for the public to review and comment on the publicly available *SWMP Plan* (Part IV.B.2.b.). The public must have the ability to ask questions and submit comments on the *SWMP Plan*. The completion of this permit requirement must be documented in the *SWMP Plan*. This requirement may be satisfied by Part VI.B.1.

b. Public Notice and Input Requirements for Draft Annual Report

i. Annually, the *MS4 Operator* must provide an opportunity for the public to review and comment on the draft Annual Report. The completion of this permit requirement must be documented in the *SWMP Plan*. This requirement may be satisfied by either:

a) Presentation of the draft Annual Report at a regular meeting of an existing board (e.g., administrative, planning, zoning) or a separate meeting specifically for *stormwater*, as designated by the *MS4* or if requested by the public. The public must have the ability to ask

questions about and make comments on the draft annual report during that presentation; or

b) Posting of the draft Annual Report on a public website. The website must provide information on the timeframes and procedures to submit comments and/or request a meeting. However, if a public meeting is requested by two or more persons, the *MS4 Operator* must hold such a meeting.

c. Consideration of Public Input

i. Annually, the *MS4 Operator* must include a summary of comments received on the *SWMP Plan* and draft Annual Report in the *SWMP Plan*.

ii. Within thirty (30) days of when public input is received, the *MS4 Operator* must update the *SWMP Plan*, where appropriate, based on the public input received.

C. MCM 3 - *Illicit Discharge* Detection and Elimination

The *MS4 Operator* must *develop*, implement, and enforce a program which systematically detects, tracks down, and eliminates *illicit discharges* to the *MS4*. This MCM is designed to manage the *MS4* so it is not conveying *pollutants* associated with flows other than those directly attributable to *stormwater* runoff.

1. *Illicit Discharge* Detection

a. Public Reporting of *Illicit Discharges*

i. Within six (6) months of the EDC, the *MS4 Operator* must establish and document in the *SWMP Plan* an email or phone number (with message recording capability) for the public to report *illicit discharges*.

ii. Within thirty (30) days of an *illicit discharge*, the *MS4 Operator* must document each report of an *illicit discharge* in the *SWMP Plan* with the following information:

a) Date of the report;

b) Location of the *illicit discharge;*

c) Nature of the *illicit discharge;*

d) Follow up actions taken or needed (including response times); and

e) Inspection outcomes and any enforcement taken.

b. Monitoring Locations

The monitoring locations used to detect *illicit discharges* are identified as follows:

i. *MS4 outfalls;*[13]

[13] *MS4 outfall*s can be found at a *municipal facility*.

ii. *Interconnections*;[14] and
iii. *Municipal facility intraconnections*.[15]

c. Monitoring Locations Inventory

i. Within three (3) years of the EDC, the *MS4 Operator* must *develop* and maintain an inventory of the monitoring locations in the *SWMP Plan*. The following information must be included in the inventory:[16]

a) Inventory information for *MS4 outfall*s

i) ID;
ii) Prioritization (high or low) (Part VI.C.1.d.);
iii) Type of monitoring location (Part VI.C.1.b.);
iv) Name of *MS4 Operator's municipal facility*, if located at a *municipal facility*;[17]
v) Receiving waterbody name and class (mapped in accordance with Part IV.D.1.e.ii.a));
vi) Receiving waterbody WI/PWL Segment ID (mapped in accordance with Part IV.D.1.e.ii.b));
vii) Land use in drainage area;
viii) Type of conveyance (open drainage or closed pipe);
ix) Material;
x) Shape;
xi) Dimensions;
xii) Submerged in water; and
xiii) Submerged in sediment.

b) Inventory information for *interconnections*

i) ID;
ii) Prioritization (high or low) (Part VI.C.1.d.);
iii) Type of monitoring location (Part VI.C.1.b.);
iv) Name of *MS4 Operator* receiving *discharge* or private storm system;
v) Name of *MS4 Operator*'s *municipal facility*, if located at a *municipal facility*; and
vi) Receiving waterbody name and class (mapped in accordance with Part IV.D.1.e.ii.a)).

c) Inventory information for *municipal facility intraconnections*

i) ID;
ii) Prioritization (high or low) (Part VI.C.1.d.);

[14] *Interconnections* can be found at a *municipal facility*.
[15] *Municipal facility intraconnections* can be found only at a *municipal facility*.
[16] The information included in the inventory is collected during inspections on the Monitoring Locations Inspection and Sampling Field Sheet (Appendix D) unless otherwise specified by the permit conditions.
[17] This information is collected as part of the *municipal facility* inventory.

iii) Type of monitoring location (Part VI.C.1.b.);
iv) Name of *MS4 Operator*'s *municipal facility*; and
v) Receiving waterbody name and class (mapped in accordance with Part IV.D.1.e.ii.a)).

ii. Annually, the *MS4 Operator* must update the inventory if monitoring locations are created or discovered.

d. Monitoring Locations Prioritization

i. Within three (3) years of the EDC, the *MS4 Operator* must prioritize monitoring locations which are included in the monitoring locations inventory (Part VI.C.1.c.) as follows:
a) High priority monitoring locations include monitoring locations:
i) At a high priority *municipal facility*, as defined in Part VI.F.2.c;
ii) *Discharging* to impaired waters (subject to Part VIII. requirements; mapped in accordance with Part IV.D.1.e.ii.b));
iii) *Discharging* within a TMDL watershed (subject to Part IX. requirements; mapped in accordance with Part IV.D.1.e.ii.c));
iv) *Discharging* to waters with Class AA-S, A-S, AA, A, B, SA, or SB (mapped in accordance with Part IV.D.1.e.ii.a)); and/or
v) Confirmed citizen complaints on three or more separate occasions in the last twelve (12) months.
b) All other monitoring locations are considered low priority.

ii. Within thirty (30) days of when a monitoring location is constructed or the *MS4 Operator* discovers it, the *MS4 Operator* must prioritize those monitoring locations; and

iii. Annually, after the initial prioritization (Part VI.C.1.d.i.), the *MS4 Operator* must update the monitoring location prioritization in the inventory (Part VI.C.1.c.) based on information gathered as part of the monitoring location inspection and sampling program (Part VI.C.1.e.). The completion of this permit requirement must be documented in the *SWMP Plan*.

e. Monitoring Locations Inspection and Sampling Program

Within two (2) years of the EDC, the *MS4 Operator* must *develop* and implement a monitoring locations inspection and sampling program. The monitoring locations inspection and sampling program must be documented in the *SWMP Plan* specifying:

i. The monitoring locations inspection and sampling procedures including:

a) During *dry weather,*[18] one (1) inspection of each monitoring location identified in the inventory (Part VI.C.1.c.) every five (5) years following the most recent inspection;

b) Documentation of all monitoring location inspections, including any sampling results, using the Monitoring Locations Inspection and Sampling Field Sheet (Appendix D) or an equivalent form containing the same information and include the completed monitoring location inspections and sampling results in the *SWMP Plan* (e.g., the completed Monitoring Locations Inspection and Sampling Field Sheets);

c) Provisions to sample all monitoring locations which had inspections which resulted in a *suspect* or *obvious illicit discharge* characterization. The sampling requirement is based on the number and severity of *physical indicators present in the flow* to better inform track down procedures (Part VI.C.2.). If the source of the *illicit discharge* is clear and discernable (e.g., sewage), sampling is not necessary;

d) Sampling may be done with field test kits or field instrumentation that are sufficiently sensitive to detect the parameter below the sampling action level used[19] and are not subject to 40 CFR Part 136 requirements for approved methods and certified laboratories;

e) Provisions to initiate, or cause to initiate,[20] track down procedures (Part VI.C.2.a.), in accordance with the timeframes specified in Part VI.C.2.a.iii, for monitoring locations with an overall characterization[21] as *suspect illicit discharge* or *obvious illicit discharge* or that exceed any sampling action level used;

f) Provisions to re-inspect the monitoring location within thirty (30) days of initial inspection if there is a *physical indicator not related to flow*, potentially indicative of *intermittent* or *transitory discharges,* utilizing techniques described in Chapter 12.6 of the Center for Watershed Protection Illicit Discharge Detection and Elimination: A Guidance Manual for Program Development and Technical Assistance, October 2004 (CWP 2004) or equivalent.

    i) If those same physical indicators persist, the *MS4 Operator* must initiate *illicit discharge* track down procedures (Part VI.C.2.a.).

[18] MS4 Operators can reference the Center for Watershed Protection Illicit Discharge Detection and Elimination: A Guidance Manual for Program Development and Technical Assistance, October 2004 (CWP 2004) for other factors to consider when determining when to conduct monitoring location inspection and sampling.
[19] Refer to Chapter 12 of the CWP 2004 for parameters, sampling action levels, and procedures.
[20] If track down is conducted by individuals or entities other than those conducting the monitoring locations inspections.
[21] Reference to the Monitoring Locations Inspection and Sampling Field Sheet, adapted from CWP 2004, Section 6: Overall Monitoring Location Characterization based on the Relative Severity Index of physical indicators for flowing monitoring locations only.

ii. The training provisions for the *MS4 Operator*'s monitoring locations inspection and sampling procedures (Part VI.C.1.e.i.).

a) If new staff are added, training on the *MS4 Operator*'s monitoring locations inspection and sampling procedures (Part VI.C.1.e.i.) must be given prior to conducting monitoring locations inspections and sampling procedures;

b) For existing staff, training on the *MS4 Operator*'s monitoring locations inspection and sampling procedures (Part VI.C.1.e.i.) must be given prior to conducting monitoring locations inspections and sampling and once every five (5) years, thereafter; and

c) If the monitoring locations inspection and sampling procedures (Part VI.C.1.e.i.) are updated (Part VI.C.1.e.iv.), training on the updates must be given to all staff prior to conducting monitoring locations inspections and sampling.

iii. The names, titles, and contact information for the individuals who have received monitoring locations inspection and sampling procedures training and update annually; and

iv. Annually, by April 1, the *MS4 Operator* must:

a) Review and update the monitoring location inspection and sampling procedures (Part VI.C.1.e.i.) based on monitoring location inspection results (e.g., trends, patterns, areas with *illicit discharges*, and common problems); and

b) Document the completion of this requirement in the *SWMP Plan*.

2. *Illicit Discharge* Track Down Program

Within two (2) years of the EDC, the *MS4 Operator* must *develop* and implement an *illicit discharge* track down program to identify the source of *illicit discharges* and the responsible party. The *illicit discharge* track down program must be documented in the *SWMP Plan* specifying:

a. The *illicit discharge* track down procedures including:

i. Procedures as described in Chapter 13 of CWP 2004 or equivalent;

ii. Steps taken for *illicit discharge* track down procedures;

iii. The following timeframes to initiate *illicit discharge* track down:

a) Within twenty-four (24) hours of discovery, the *MS4 Operator* must initiate track down procedures for flowing *MS4* monitoring locations with *obvious illicit discharges;*[22]

[22] Reference to the Monitoring Locations Inspection and Sampling Field Sheet, adapted from CWP 2004, Section 6: Overall Monitoring Location Characterization based on the Relative Severity Index of physical indicators for flowing monitoring locations only.

b) Within two (2) hours of discovery, the *MS4 Operator* must initiate track down procedures for *obvious illicit discharges* of sanitary wastewater that would affect bathing areas during bathing season, shell fishing areas or public water intakes and report orally or electronically to the Regional Water Engineer and local health department; and

c) Within five (5) days of discovery, the *MS4 Operator* must initiate track down procedures for *suspect illicit discharges*.

b. The training provisions for the *MS4 Operator*'s *illicit discharge* track down procedures (Part VI.C.2.a.).

i. If new staff are added, training on the *MS4 Operator*'s *illicit discharge* track down procedures (Part VI.C.2.a.) must be given prior to conducting *illicit discharge* track downs;

ii. For existing staff, training on the *MS4 Operator*'s *illicit discharge* track down procedures (Part VI.C.2.a.) must be given prior to *conducting illicit discharge* track downs and once every five (5) years, thereafter; and

iii. If the *illicit discharge* track down procedures (Part VI.C.2.a.) are updated (Part VI.C.2.d.), training on the updates must be given to all staff prior to conducting *illicit discharge* track downs.

c. The names, titles, and contact information for the individuals who have received *illicit discharge* track down procedures training and update annually; and

d. Annually, by April 1, the *MS4 Operator* must:

i. Review and update the *illicit discharge* track down procedures (Part VI.C.2.a.); and

ii. Document the completion of this requirement in the *SWMP Plan*.

3. *Illicit Discharge* Elimination Program

Within two (2) years of the EDC, the *MS4 Operator* must *develop* and implement an *illicit discharge* elimination program. The *illicit discharge* elimination program must be documented in the *SWMP Plan* specifying:

a. The *illicit discharge* elimination procedures including:

i. Provisions for escalating enforcement and tracking, both consistent with the ERP required in Part IV.F. of this *SPDES* general permit;

ii. Provisions to confirm the corrective actions have been taken;

iii. Steps taken for *illicit discharge* elimination procedures; and

iv. The following timeframes for *illicit discharge* elimination:

a) Within twenty-four (24) hours of identification of an *illicit discharge* that has a reasonable likelihood of adversely affecting human health or the environment, the *MS4 Operator* must eliminate the *illicit discharge*;

b) Within five (5) days of identification of an *illicit discharge* that does not have a reasonable likelihood of adversely affecting human health or the environment, the *MS4 Operator* must eliminate the *illicit discharge;* and

c) Where elimination of an *illicit discharge* within the specified timeframes (Part VI.C.3.a.iv.) is not possible, the *MS4 Operator* must notify the Regional Water Engineer.

b. The training provisions for the *MS4 Operator*'s *illicit discharge* elimination procedures (Part VI.C.3.a.).

i. If new staff are added, training on the *MS4 Operator*'s *illicit discharge* elimination procedures (Part VI.C.3.a.) must be given prior to conducting *illicit discharge* eliminations;

ii. For existing staff, training on the *MS4 Operator*'s *illicit discharge* elimination procedures (Part VI.C.3.a.) must be given prior to conducting *illicit discharge* eliminations and once every five (5) years, thereafter; and

iii. If the *illicit discharge* elimination procedures (Part VI.C.3.a.) are updated (Part VI.C.3.d.), training on the updates must be given to all staff prior to conducting *illicit discharge* eliminations.

c. The names, titles, and contact information for the individuals who have received *illicit discharge* elimination procedures training and update annually; and

d. Annually, by April 1, the *MS4 Operator* must:

i. Review and update the *illicit discharge* elimination procedures (Part VI.C.3.a.); and

ii. Document the completion of this requirement in the *SWMP Plan*.

D. MCM 4 - Construction Site *Stormwater* Runoff Control

The *MS4 Operator* must *develop*, implement, and enforce a program to ensure construction sites are effectively controlled. This MCM is designed to prevent *pollutants* from construction related activities,[23] as well as promote the proper planning and installation of post-construction *SMPs*.

1. Applicable Construction Activities/Projects/Sites

a. The construction site *stormwater* runoff control program must address *stormwater* runoff to the *MS4* from sites with *construction activities* that:

i. Result in a total land disturbance of greater than or equal to one acre; or

[23] Projects that comply with the terms and conditions of the CGP or an individual *SPDES* permit for *stormwater* for which they obtained coverage and local erosion and sediment control requirements are effectively controlled.

ii. Disturb less than one acre if part of a larger common plan of development or sale.

b. For *construction activities* where the *MS4 Operator* is listed as the owner/operator on the Notice of Intent for coverage under the CGP:

i. The *MS4 Operator* must ensure compliance with the CGP; and

ii. The additional requirements for construction oversight described in Part VI.D.6 through Part VI.D.9 are not required.

2. Public Reporting of Construction Site Complaints

a. Within six (6) months of the EDC, the *MS4 Operator* must establish and document in the *SWMP Plan* an email or phone number (with message recording capability) for the public to report complaints related to construction *stormwater* activity.

b. The *MS4 Operator* must document reports of construction site complaints in the *SWMP Plan* with the following information:

i. Date of the report;

ii. Location of the construction site;

iii. Nature of complaint;

iv. Follow up actions taken or needed; and

v. Inspection outcomes and any enforcement taken.

3. Construction Oversight Program

Within one (1) year of the EDC, the *MS4 Operator* must *develop* and implement a construction oversight program. The construction oversight program must be documented in the *SWMP Plan* specifying:

a. The construction oversight procedures including:

i. When the construction site *stormwater* control program applies (Part VI.D.1.);

ii. What types of *construction activity* require a SWPPP;

iii. The procedures for submission of SWPPPs;

iv. SWPPP review requirements (Part VI.D.6.)

v. Pre-construction oversight requirements (Part VI.D.7.)

vi. Construction site inspection requirements (Part VI.D.8.);

vii. Construction site close-out requirements (Part VI.D.9.);

viii. Enforcement process/expectations for compliance; and

ix. Other procedures associated with the control of *stormwater* runoff from applicable *construction activities*.

b. The training provisions for the *MS4 Operator*'s construction oversight procedures (Part VI.D.3.a.).
    i. If new staff are added, training on the *MS4 Operator*'s construction oversight procedures (Part VI.D.3.a.) must be given prior to conducting any construction oversight activities;
    ii. For existing staff, training on the *MS4 Operator*'s construction oversight procedures (Part VI.D.3.a.) must be given prior to conducting any construction oversight activities and once every five (5) years, thereafter; and
    iii. If the construction oversight procedures (Part VI.D.3.a.) are updated (Part VI.D.3.a.), training on the updates must be given to all staff prior to conducting construction oversight.
c. The names, titles, and contact information for the individuals who have received construction oversight training and update annually;
d. Procedures to ensure those involved in the *construction activity* itself (e.g., contractor, subcontractor, *qualified inspector*, SWPPP reviewers) have received four (4) hours of *Department* endorsed training in proper erosion and sediment control principles from a Soil & Water Conservation District, or other *Department* endorsed entity; and
e. Annually, by April 1, the *MS4 Operator* must:
    i. Review and update the construction oversight procedures (Part VI.D.3.a.); and
    ii. Document the completion of this requirement in the *SWMP Plan*.

4. Construction Site Inventory & Inspection Tracking

a. Within six (6) months of the EDC, the *MS4 Operator* must *develop* and maintain an inventory of all applicable construction sites (Part VI.D.1.a.) in the *SWMP Plan*. The following information must be included in the inventory:
    i. Location of the construction site;
    ii. Owner/operator contact information, if other than the *MS4 Operator*;
    iii. Receiving waterbody name and class (mapped in accordance with Part IV.D.1.e.ii.a));
    iv. Receiving waterbody WI/PWL Segment ID (mapped in accordance with Part IV.D.1.e.ii.b));
    v. Prioritization (high or low) (Part VI.D.5.);
    vi. Construction project *SPDES* identification number;
    vii. SWPPP approval date;
    viii. Inspection history, including dates and ratings (satisfactory, marginal, or unsatisfactory, when available); and

ix. Current status of the construction site/project (i.e., active, temporarily shut down, complete[24]).

b. Annually, the *MS4 Operator* must update the inventory if construction projects are approved or completed.

5. Construction Site Prioritization

a. Within one (1) year of the EDC, the *MS4 Operator* must prioritize all construction sites which are included in the construction site inventory (Part VI.D.4.) as follows:

i. High priority construction sites include construction sites:

a) With a direct conveyance (e.g., channel, ditch, storm sewer) to a *surface water of the State* that is:

i) Listed in Appendix C with silt/sediment, phosphorus, or nitrogen as the POC;

ii) Classified as AA-S, AA, or A (mapped in accordance with Part IV.D.1.e.ii.a)); or

iii) Classified with a trout (T) or trout spawning (TS) designation (mapped in accordance with Part IV.D.1.e.ii.a));

b) With greater than five (5) acres of disturbed earth at any one time;

c) With earth disturbance within one hundred (100) feet of any lake or pond (mapped in accordance with Part IV.D.1.e.ii.b)); and/or

d) Within fifty (50) feet of any rivers or streams (mapped in accordance with Part IV.D.1.e.ii.b));

ii. All other construction sites are considered low priority.

b. Within thirty (30) days of when a construction site becomes active, the *MS4 Operator* must prioritize those construction sites; and

c. Annually, after the initial prioritization (Part VI.D.5.a.), the *MS4 Operator* must update the construction site prioritization in the inventory (Part VI.D.4.a.) based on information gathered as part of the construction oversight program (Part VI.D.3.). The completion of this permit requirement must be documented in the *SWMP Plan*.

i. If the prioritization of the construction site changes priority based on information gathered as part of the construction oversight program, the *MS4 Operator* must comply with the requirements that apply to that prioritization.

[24] Construction projects listed on the inventory must be inspected and tracked as described in Part VI.D.8. until a final site inspection has been completed as specified in Part VI.D.9. and the construction site status changes to complete.

6. SWPPP Review

The *MS4 Operator* must:

a. Ensure individual(s), responsible for reviewing SWPPPs for acceptance, receive:

   i. Four (4) hours of *Department* endorsed training in proper erosion and sediment control principles from a Soil & Water Conservation District, or other *Department* endorsed entity. This training must be completed within three (3) years of the EDC and every three (3) years thereafter.

   ii. Document the completion of this requirement in the *SWMP Plan*.

b. Ensure SWPPP reviewers receive this training (Part VI.D.6.a.) prior to conducting SWPPP reviews for acceptance.

   i. Individuals without these trainings cannot review SWPPPs for acceptance.

   ii. Individuals who meet the definition of a *qualified professional* or *qualified inspector* are exempt from this requirement.

c. Ensure individuals responsible for reviewing SWPPPs review all SWPPPs for applicable *construction activities* (Part VI.D.1.) and for conformance with the requirements of the CGP, including:

   i. Erosion and sediment controls must be reviewed for conformance with the NYS E&SC 2016, or equivalent;

   ii. Individuals responsible for review of post-construction *SMPs* must be *qualified professionals* or under the supervision of a *qualified professional*; and

   iii. Post-construction *SMPs* must be reviewed for conformance with the NYS SWMDM 2015 or equivalent, including:

      a) All post-construction *SMPs* must meet the *sizing criteria* contained in the CGP and NYS SWMDM 2015.

      b) Deviations from the performance criteria of the NYS SWMDM 2015 must demonstrate that they are equivalent.

      c) The SWPPP must include an O&M plan that includes inspection and maintenance schedules and actions to ensure continuous and effective operation of each post-construction *SMP*. The SWPPP must identify the entity that will be responsible for the long-term operation and maintenance of each practice.

d. In the *SWMP Plan*, document and update annually the names, titles, and contact information for the individuals who have received the trainings listed in Part VI.D.6.a.

e. In the *SWMP Plan*, document the SWPPP review including the information found in Part III.B. of the CGP;

f. Prioritize new *construction activities* (Part VI.D.5.a.); and

g. Notify construction site owner/operators that their SWPPP has been accepted using the *MS4* SWPPP Acceptance Form[25] created by the *Department* and required by the CGP, signed in accordance with Part X.J.

7. Pre-Construction Meeting

Prior to commencement of *construction activities*, the *MS4 Operator* must ensure a pre-construction meeting is conducted. The date and content of the pre-construction inspection/meeting must be documented in the *SWMP Plan*. The owner/operator listed on the CGP NOI (if different from the *MS4 Operator*), the *MS4 Operator*, contractor(s) responsible for implementing the SWPPP for the *construction activity,* and the *qualified inspector* (if required for the *construction activity* by Part IV.C. the CGP) must attend the meeting in order to:

a. Confirm the approved project has received, or will receive[26], coverage under the CGP or an individual *SPDES* permit;

b. Verify contractors and subcontractors selected by the owner/operator of the *construction activity* have identified at least one individual that has received four (4) hours of *Department* endorsed training in proper erosion and sediment control principles from a Soil & Water Conservation District or other endorsed entity as required by the CGP and Part VI.D.3.d; and

c. Review the construction oversight program (Part VI.D.3.) and expectations for compliance.

8. Construction Site Inspections

The *MS4 Operator* must:

a. Ensure individuals(s), responsible for construction site inspections, receive:

   i. Four (4) hours of *Department* endorsed training in proper erosion and sediment control principles from a Soil & Water Conservation District, or other *Department* endorsed entity. This training must be complete, within three (3) years of the EDC and every three (3) years thereafter.

   ii. Document the completion of this requirement in the *SWMP Plan*.

b. Ensure all *MS4* Construction Site Inspectors receive this training prior to conducting construction site inspections.

   i. Individuals without these trainings cannot inspect construction sites.

   ii. Individuals who meet the definition of a *qualified professional* or *qualified inspector* are exempt from this requirement.

[25] The *MS4* SWPPP Acceptance Form can be found on the Department's website.

[26] Preconstruction meetings may occur prior to the issuance of the MS4 SWPP Acceptance Form, however, the MS4 Operator must confirm coverage under the CGP will be applied for by the construction site owner/operator prior to commencement of construction of *construction activities*.

c. Annually inspect all sites with *construction activity* identified in the inventory (Part VI.D.4.) during active construction after the pre-construction meeting (Part VI.D.7.), or sooner if deficiencies are noted that require attention.

   i. Follow up to construction site inspections must confirm corrective actions are completed within timeframes established by the CGP and the *MS4 Operator's* ERP (Part IV.F.1.).

d. In the *SWMP Plan*, document and update annually the names, titles, and contact information for the individuals who have received the trainings listed in Part VI.D.8.a.

e. Document all inspections using the Construction Site Inspection Report Form (Appendix D) or an equivalent form containing the same information. The *MS4 Operator* must include the completed Construction Site Inspection Reports in the *SWMP Plan*.

9. Construction Site Close-out

a. The *MS4 Operator* must ensure a final construction site inspection is conducted and documentation of the final construction site inspection must be maintained in the *SWMP Plan*. The final construction site inspection must be documented using the Construction Site Inspection Report Form (Appendix D), or an equivalent form containing the same information, or accept the construction site owner/operator's *qualified inspector* final inspection certification required by the CGP.

b. The Notice of Termination (NOT)[27] must be signed by the *MS4 Operator* as required by the CGP for projects determined to be complete. The NOT must be signed in accordance with Part X.J.

E. MCM 5 – Post-Construction *Stormwater* Management

The *MS4 Operator* must *develop*, implement, and enforce a program to ensure proper operation and maintenance of post construction *SMPs* for new or redeveloped sites. This MCM is designed to promote the long-term performance of post-construction *SMPs* in removing *pollutants* from *stormwater* runoff.

1. Applicable Post-Construction *SMPs*

The post-construction *SMP* program must address *stormwater* runoff to the *MS4* from *publicly owned/operated* and *privately owned/operated* post-construction *SMPs* that meet the following:

a. Post-construction *SMPs* that have been installed as part of any CGP covered construction site or individual *SPDES* permit (since March 10, 2003); and

[27] The NOT can be found on the Department's website.

b. All new post-construction *SMPs* constructed as part of the construction site *stormwater* runoff control program (Part VI.D.).

2. Post-Construction *SMP* Inventory & Inspection Tracking[28]

a. The *MS4 Operators* continuing coverage must:

   i. Maintain the inventory from previous iterations of this *SPDES* general permit for post-construction *SMPs* installed after March 10, 2003; and

   ii. *Develop* the inventory for post-construction *SMPs* installed after March 10, 2003 including post-construction *SMPs:*

      a) As they are approved or discovered; or

      b) After the owner/operator of the *construction activity* has filed the NOT with the *Department* (Part VI.D.9.b.).

b. The newly designated *MS4 Operators* must *develop* and maintain the inventory for post-construction *SMPs* installed after March 10, 2003 including post-construction *SMPs:*

   i. As they are approved or discovered; or

   ii. After the owner/operator of the *construction activity* has filed the NOT with the *Department* (Part VI.D.9.b.).

c. Annually, the MS4 Operator must update the inventory of post-construction SMPs to include the post-construction *SMPs* in Part VI.E.2.a. and Part VI.E.2.b.

d. Within five (5) years of the EDC, the following information must be included in the inventory either by using the *MS4 Operator* maintenance records or by verification of maintenance records provided by the owner of the post-construction *SMP*:

   i. Street address or tax parcel;

   ii. Type;[29]

   iii. Receiving waterbody name and class (mapped in accordance with Part IV.D.1.e.ii.a));

   iv. Receiving waterbody WI/PWL Segment ID (mapped in accordance with Part IV.D.1.e.ii.b));

   v. Date of installation (if available) or discovery;

   vi. Ownership;

   vii. Responsible party for maintenance;

[28] Post-construction *SMPs* can be found at a *municipal facility*.
[29] Post-construction *SMP* types are defined in the New York State Department of Environmental Conservation Maintenance Guidance: Stormwater Management Practices, March 31, 2017 (NYS DEC Maintenance Guidance 2017).

viii. Contact information for party responsible for maintenance;

ix. Location of documentation depicting O&M requirements and legal agreements for post-construction *SMP*;

x. Frequency for inspection of post-construction *SMP*, as specified in the New York State Department of Environmental Conservation Maintenance Guidance: Stormwater Management Practices, March 31, 2017 (NYS DEC Maintenance Guidance 2017) or as specified in the O&M plan contained in the approved SWPPP (Part VI.D.6.);

xi. Reason for installation (e.g., new development, redevelopment, *retrofit*, flood control), if known;

xii. Date of last inspection;

xiii. Inspection results; and

xiv. Any corrective actions identified and completed.

e. *MS4 Operators* must document the inventory of post-construction *SMPs* in the *SWMP Plan*.

3. SWPPP Review

For post-construction *SMP* SWPPP review requirements, see Part VI.D.6.

4. Post-Construction *SMP* Inspection & Maintenance Program

Within one (1) year of the EDC, the *MS4 Operator* must *develop* and implement a post-construction *SMP* inspection and maintenance program. The post-construction *SMP* inspection and maintenance program must be documented in the *SWMP Plan* specifying:

a. The post-construction *SMP* inspection and maintenance procedures including:

i. Provisions to ensure that each post-construction *SMP* identified in the post-construction *SMP* inventory (Part VI.E.2.) is inspected at the frequency specified in the NYS DEC Maintenance Guidance 2017 or as specified in the O&M plan contained in the approved SWPPP (Part VI.D.6.), if available;

a) The *MS4 Operator* can only accept Level 1 inspections (NYS DEC Maintenance Guidance 2017) by private owners inspecting post-construction *SMPs*.

ii. Documentation of post-construction *SMP* inspections using the Post-Construction SMP Inspection Checklist[30] or an equivalent form containing the same information. The *MS4 Operator* must include the completed

[30] The *Department* developed checklist forms specific to each post-construction *SMP* designed to assist *MS4 Operators* in conducting inspections and maintenance activities of standard practices. The Post-Construction SMP Inspection Checklist, March 31, 2017, can be found on the Department's website.

post-construction *SMP* inspections (i.e., the completed Post-Construction SMP Inspection Checklist) in the *SWMP Plan*;

iii. Provisions to initiate follow-up actions (i.e., maintenance, repair, or higher-level inspection) within thirty (30) days of post-construction *SMP* inspection; and

iv. Provisions to initiate enforcement within sixty (60) days of the inspection if follow-up actions are not complete.

b. The training provisions for the *MS4 Operator*'s post-construction *SMP* inspection and maintenance procedures (Part VI.E.4.a.).

i. If new staff are added, training on the *MS4 Operator*'s post-construction *SMP* inspection and maintenance procedures (Part VI.E.4.a.) and procedures outlined in the *Department* endorsed program must be given prior to conducting any post-construction *SMP* inspection and maintenance;

ii. For existing staff, training on the *MS4 Operator*'s post-construction *SMP* inspection and maintenance procedures (Part VI.E.4.a.) and procedures outlined in the *Department* endorsed program must be given prior to conducting any post-construction *SMP* inspection and maintenance and once every five (5) years, thereafter; and

iii. If the post-construction *SMP* inspection and maintenance procedures (Part VI.E.4.a.) are updated (Part VI.E.4.d.), training on the updates must be given to all staff prior to conducting post-construction *SMP* inspection and maintenance.

c. The names, titles, and contact information for the individuals who have received post-construction *SMP* inspection and maintenance procedures training and update annually; and

d. Annually, by April 1, the *MS4 Operator* must:

i. Review and update the post-construction *SMP* inspection and maintenance procedures (Part VI.E.4.a.); and

ii. Document the completion of this requirement in the *SWMP Plan*.

F. MCM 6 – Pollution Prevention and Good Housekeeping

The *MS4 Operator* must *develop* and implement a pollution prevention and good housekeeping program for *municipal facilities* and *municipal operations* to minimize *pollutant discharges*. This MCM is designed to ensure the *MS4 Operator*'s own activities do not contribute *pollutants* to *surface waters of the State*.

1. *Best Management Practices (BMPs)* for *Municipal Facilities & Operations*

Within three (3) years of the EDC, the *MS4 Operator* must incorporate *best management practices* (*BMPs*) into the *municipal facility* program *and municipal operations* program to minimize the *discharge* of *pollutants* associated with *municipal facilities* and *municipal operations, respectively*. The *BMPs* to be considered are as follows and must be documented in the *SWMP Plan*:

a. Minimize Exposure

i. Exposure of materials to rain, snow, snowmelt, and runoff must be minimized, unless not technologically possible or not economically practicable and achievable in light of best industry practices, including areas used for loading and unloading, storage, disposal, cleaning, maintenance, and fueling operations, with the following *BMP*s:

a) Locate materials and activities inside or protect them with storm resistant coverings;

b) Use grading, berming, or curbing to prevent runoff of contaminated flows and divert run-on away from these areas;

c) Locate materials, equipment, and activities so leaks and spills are contained in existing containment and diversion systems;

d) Clean up spills and leaks promptly using dry methods (e.g., absorbents) to prevent the *discharge* of *pollutants*;

e) Store leaky vehicles and equipment indoors or, if stored outdoors, use drip pans and absorbents;

f) Use spill/overflow protection equipment;

g) Perform all vehicle and/or equipment cleaning operations indoors, under cover, or in bermed areas that prevent runoff and run-on and also captures any overspray;

h) Drain fluids, indoors or under cover, from equipment and vehicles that will be decommissioned, and, for any equipment and vehicles that will remain unused for extended periods of time, inspect at least monthly for leaks; and/or

i) Minimize exposure of chemicals by replacing with a less toxic alternative (e.g., use non-hazardous cleaners).

ii. *No Exposure* Certification for High Priority *Municipal Facilities*

a) *Municipal facilities* may qualify for *No Exposure* Certification (Appendix D) when all activities and materials are completely sheltered from exposure to rain, snow, snowmelt and/or runoff.

b) High priority *municipal* facilities (Part VI.F.2.c.i.a)) with uncovered parking areas for vehicles awaiting maintenance may be considered a low priority *municipal facility* (Part VI.F.2.c.i.c)) if only routine maintenance is performed inside and all other n*o exposure* criteria are met.

c) *Municipal* facilities accepting or repairing disabled vehicles and/or vehicles that have been involved in accidents are not eligible for the *No Exposure* Certification.

d) *Municipal* facilities must maintain the *No Exposure* Certification and document in the *SWMP Plan*. The *No Exposure* Certification ceases to apply when activities or materials become exposed.

b. Follow a Preventive Maintenance Program

i. Implement a preventative maintenance program that includes routine inspection, testing, maintenance, and repair of all fueling areas, vehicles and equipment and systems to prevent leaks, spills and other releases. This includes:

a) Performing inspections and preventive maintenance of *stormwater* drainage, source controls, treatment systems, and plant equipment and systems;

b) Maintaining non-structural *BMPs* (e.g., keep spill response supplies available, personnel appropriately trained, containment measures, covering fuel areas); and

c) Ensure vehicle washwater is not *discharged* to the *MS4* or to *surface waters of the State*. Wash equipment/vehicles in a designated and/or covered area where washwater is collected to be recycled or *discharged* to the sanitary sewer (Part I.B.2.d.).

ii. Routine maintenance must be performed to ensure *BMPs* are operating properly.

iii. When a *BMP* is not functioning to its designed effectiveness and needs repair or replacement:

a) Maintenance must be performed before the next anticipated storm event, or as necessary to maintain the continued effectiveness of *stormwater* controls. If maintenance prior to the next anticipated storm event is impracticable, maintenance must be scheduled and accomplished as soon as practicable; and

b) Interim measures must be taken to prevent or minimize the *discharge* of *pollutants* until the final repair or replacement is implemented,

including cleaning up any contaminated surfaces so that the material will not be *discharged* during subsequent storm events.

c. Spill Prevention and Response Procedures

i. Minimize the potential for leaks, spills and other releases that may be exposed to *stormwater* and *develop* plans for effective response to such spills if or when they occur. At a minimum, the *MS4 Operator* must:
   a) Store materials in appropriate containers;
   b) Label containers (e.g., “Used Oil,” “Spent Solvents,” “Fertilizers and Pesticides”) that could be susceptible to spillage or leakage to encourage proper handling and facilitate rapid response if spills or leaks occur;
   c) Implement procedures for material storage and handling, including the use of secondary containment and barriers between material storage and traffic areas, or a similarly effective means designed to prevent the *discharge* of *pollutants* from these areas;
   d) *Develop* procedures for stopping, containing, and cleaning up leaks, spills, and other releases. As appropriate, execute such procedures as soon as possible;
   e) Keep spill kits on-site, located near areas where spills may occur or where a rapid response can be made;
   f) *Develop* procedures for notification of the appropriate facility personnel, emergency response agencies, and regulatory agencies when a leak, spill, or other release occurs. If possible, one of these individuals should be a member of the *stormwater* pollution prevention team (Part VI.F.2.d.i.a)). Any spills must be reported in accordance with 6 NYCRR 750-2.7; and
   g) Following any spill or release, the *MS4 Operator* must evaluate the adequacy of the *BMPs* identified in the *municipal facility* specific SWPPP. If the *BMPs* are inadequate, the SWPPP must be updated to identify new *BMPs* that will prevent reoccurrence and improve the emergency response to such releases.

ii. Measures for cleaning up spills or leaks must be consistent with applicable petroleum bulk storage, chemical bulk storage, or hazardous waste management regulations at 6 NYCRR Parts 596-599, 613 and 370-373.

iii. This *SPDES* general permit does not relieve the *MS4 Operator* of any reporting or other requirements related to spills or other releases of petroleum or hazardous substances. Any spill of a hazardous substance must be reported in accordance with 6 NYCRR 597.4. Any spill of petroleum must be reported in accordance with 6 NYCRR 613.6 or 17 NYCRR 32.3.

d. Erosion and Sediment Controls[31]

i. Stabilize exposed areas and control runoff using structural and/or non-structural controls to minimize onsite erosion and sedimentation.

ii. The *MS4 Operator* must consider:

a) Structural and/or non-structural controls found in the NYS E&SC 2016;

b) Areas that, due to topography, land disturbance (e.g., construction), or other factors, have potential for significant soil erosion;

c) Whether structural, vegetative, and/or stabilization *BMPs* are needed to limit erosion;

d) Whether velocity dissipation devices (or equivalent measures) are needed at *discharge* locations and along the length of any channel to provide a non-erosive flow velocity from the structure to a water course; and

e) Address erosion or areas with poor vegetative cover, especially if the erosion is within fifty (50) feet of a *surface water of the State*.

e. Manage Vegetated Areas and Open Space on *Municipal* Property

i. Maintain vegetated areas on *MS4 Operator* owned/operated property and right of ways:

a) Specify proper use, storage, and disposal of pesticides, herbicides, and fertilizers including minimizing the use of these products and using only in accordance manufacturer's instruction;

b) Use lawn maintenance and landscaping practices that are protective of water quality. Protective practices include: reduced mowing frequencies; proper disposal of lawn clippings; and use of alternative landscaping materials (e.g., drought resistant planting);

c) Place pet waste disposal containers and signage concerning the proper collection and disposal of pet waste at all parks and open space where pets are permitted; and

d) Address waterfowl congregation areas where needed to reduce waterfowl droppings from entering the *MS4*.

f. Salt[32] Storage Piles or Pile Containing Salt

Enclose or cover storage piles of salt, or piles containing salt, used for deicing or maintenance of paved surfaces, except during loading, unloading, and handling. Implement appropriate measures (e.g., good housekeeping, routine sweeping, diversions, containment) to minimize exposure resulting from adding to or removing materials from the pile.

[31] The use of the term "controls" in Part VI.F.1.d. aligns with the use of the term "controls" in the CGP.
[32] For purposes of this *SPDES* general permit, salt means any chloride-containing material used to treat paved surfaces for deicing, including sodium chloride, calcium chloride, magnesium chloride, and brine solutions.

g. Waste, Garbage, and Floatable Debris

i. Keep all dumpster lids closed when not in use. For dumpsters and roll off boxes that do not have lids and could leak, ensure that *discharges* have a control (e.g., secondary containment, treatment); and

ii. Keep exposed areas free of waste, garbage, and debris or intercept them before they are *discharged*:

a) Manage trash containers at parks and open space (scheduled cleanings; sufficient number);

b) Pick up trash and debris on *MS4 Operator* owned/operated property and rights of way; and

c) Clean out *catch basins* within the appropriate timeframes (Part VI.F.3.c.iii.).

h. Alternative Implementation Options

When alternative implementation options (Part IV.A.1.) are utilized, require the parties performing *municipal operations* as contracted services, including but not limited to street sweeping, snow removal, and lawn/grounds care, to meet permit requirements as the requirements apply to the activity performed.

2. *Municipal Facilities*[33]

a. *Municipal Facility* Program

Within three (3) years of the EDC, the *MS4 Operator* must *develop* and implement a *municipal facility* program. The *municipal facility* program must be documented in the *SWMP Plan* specifying:

i. The *municipal facility* procedures including:

a) The *BMPs* (Part VI.F.1.) incorporated into the *municipal facility* program;

b) The high priority *municipal facility* requirements (Part VI.F.2.d.) as applied to the specific *municipal facility*; and

c) The low priority *municipal facility* requirements (Part VI.F.2.e.) as applied to the specific *municipal facility*.

ii. The training provisions for the *MS4 Operator*'s *municipal facility* procedures (Part VI.F.2.a.i.).

a) If new staff are added, training on the *MS4 Operator*'s *municipal facility* procedures (Part VI.F.2.a.i.) must be given prior to conducting *municipal facility* procedures;

b) For existing staff, training on the *MS4 Operator*'s *municipal facility* procedures (Part VI.F.2.a.i.) must be given prior to conducting

[33] *Municipal facilities* that have coverage under a separate *SPDES* permit (either individual or MSGP) must comply with the terms and conditions of that permit and the requirements set forth in this Part are not applicable.

municipal facility procedures and once every five (5) years, thereafter; and

c) If the *municipal facility* procedures (Part VI.F.2.a.i.) are updated (Part VI.F.2.a.iv.), training on the updates must be given to all staff prior to conducting *municipal facility* procedures.

iii. The names, titles, and contact information for the individuals who have received *municipal facility* training and update annually; and

iv. Annually, by April 1, the *MS4 Operator* must:

a) Review and update the *municipal facility* procedures (Part VI.F.2.a.i.); and

b) Document the completion of this requirement in the *SWMP Plan*.

b. *Municipal Facility* Inventory

i. Within two (2) years of the EDC, the *MS4 Operator* must *develop* and maintain an inventory of all *municipal* facilities in the *SWMP* Plan. The following information must be included in the inventory:

a) Name of *municipal facility*;

b) Street address;

c) Type of *municipal facility*;

d) Prioritization (high or low) (Part VI.F.2.c.);

e) Receiving waterbody name and class (mapped in accordance with Part IV.D.1.e.ii.a)) ;

f) Receiving waterbody WI/PWL Segment ID (mapped in accordance with Part IV.D.1.e.ii.b));

g) Contact information;

h) Responsible department;

i) Location of SWPPP (if high priority; when completed);

j) Type of activities present on site;

k) Size of facility (acres);

l) Date of last assessment;

m) *BMPs* identified; and

n) Projected date of next comprehensive site assessment (Part VI.F.2.d.ii.c) or Part VI.F.2.e.ii.c), depending on the *municipal facility* prioritization (Part VI.F.2.c.)).

ii. Annually, the *MS4 Operator* must update the inventory if new *municipal* facilities are added.

c. *Municipal Facility* Prioritization

i. Within three (3) years of the EDC, the *MS4 Operator* must prioritize all known *municipal* facilities as follows:

a) High priority *municipal facilities* include *municipal* facilities that have one or more of the following on site and exposed to *stormwater*:

i) Storage of chemicals, salt, petroleum, pesticides, fertilizers, anti-freeze, lead-acid batteries, tires, waste/debris;

ii) Fueling stations; and/or

iii) Vehicle or equipment maintenance/repair.

b) Low priority *municipal facilities* include any *municipal* facilities that do not meet the criteria for a high priority (Part VI.F.2.c.i.a)) *municipal facility*.

c) High priority *municipal facilities* (Part IV.F.2.c.i.a)) which qualify for a *No Exposure* Certification (Part VI.F.1.a.ii.) are low priority *municipal* facilities.

ii. Within thirty (30) days of when a *municipal facility* is added to the inventory, the *MS4 Operator* must prioritize those *municipal* facilities; and

iii. Annually, after the initial prioritization (Part VI.F.2.c.i.), the *MS4 Operator* must update the *municipal facility* prioritization in the inventory (Part VI.F.2.b.i.) based on information gathered as part of the *municipal facility* program (Part VI.F.2.a.), including cases where a *No Exposure* Certification (Part VI.F.1.a.ii.) ceases to apply. The completion of this permit requirement must be documented in the *SWMP Plan*.

d. High Priority *Municipal Facility* Requirements

i. Municipal Facility Specific SWPPP

Within five (5) years of the EDC, *MS4 Operators* must *develop* and implement a *municipal facility* specific SWPPP for each high priority *municipal facility* (Part VI.F.2.c.i.a)) and retain a copy of the *municipal facility* specific SWPPP on site of the respective *municipal facility*. The SWPPP must contain:

a) *Stormwater* Pollution Prevention Team

The *municipal facility* specific SWPPP must identify the individuals (by name and/or title) and their role/responsibilities in *developing*, implementing, maintaining, and revising the *municipal facility* specific SWPPP. The activities and responsibilities of the team must address all aspects of the *municipal facility* specific SWPPP.

b) General Site Description

A written description of the nature of the activities occurring at the *municipal facility* with a potential to *discharge pollutants*, type of

pollutants expected, and location of key features as detailed in the site map (Part VI.F.2.d.i.e)).

c) Summary of potential *pollutant* sources

The *municipal facility* specific SWPPP must identify each area at the *municipal facility* where materials or activities are exposed to *stormwater* or from which authorized non-*stormwater discharges* (Part I.A.3.) originate, including any potential *pollutant* sources for which the *municipal facility* has reporting requirements under the Emergency Planning and Community Right-To-Know Act (EPCRA), Section 313.

i) Materials or activities include: machinery; raw materials; intermediate products; byproducts; final products or waste products; and, material handling activities which includes storage, loading and unloading, transportation or conveyance of any raw material, intermediate product, final product or waste product.

ii) For each separate area identified, the description must include:

(a) Activities - A list of the activities occurring in the area (e.g., material storage, equipment fueling and cleaning);

(b) *Pollutants* - A list of the associated *pollutant(s)* for each activity. The *pollutant(s)* list must include all materials that are exposed to *stormwater*; and

(c) Potential for presence in *stormwater* - For each area of the *municipal facility* that generates *stormwater discharges,* a prediction of the direction of flow, and the likelihood of the activity to contaminate the *stormwater discharge*. Factors to consider include the toxicity of chemicals, quantity of chemicals used, produced or *discharge*d, the likelihood of contact with *stormwater*; and history of leaks or spills of toxic or hazardous *pollutants*.

d) Spills and Releases

For areas that are exposed to precipitation or that otherwise drain to a *stormwater* conveyance to be covered under this *SPDES* general permit, the *municipal facility* specific SWPPP must include a list of spills or releases[34] of petroleum and hazardous substances or other *pollutants*, including unauthorized *non-stormwater discharges*, that may adversely affect water quality that occurred during the last three-year period. The list must be updated when spills or releases occur.

e) Site Map

[34] This may also include releases of petroleum or hazardous substances that are not in excess of reporting quantities but which may still cause or contribute to significant water quality impairment.

The *municipal facility* specific SWPPP must include a site map identifying the following, as applicable:

i) Property boundaries and size in acres;

ii) Location and extent of significant structures (including materials shelters), and impervious surfaces;

iii) Monitoring locations (mapped in accordance with Part IV.D.2.a.i.) with its approximate *sewershed*. Each monitoring location must be labeled with the monitoring location identification;

iv) Location of all post-construction *SMPs* (mapped in accordance with Part IV.D.2.a.iv.) and *MS4* infrastructure (mapped in accordance with Part IV.D.2.b.i.);

v) Locations of *discharges* authorized under other *SPDES* permits;

vi) Locations where potential spills or releases can contribute to *pollutants* in *stormwater discharges* and their accompanying drainage points;

vii) Locations of haul and access roads;

viii) Rail cars and tracks;

ix) Arrows showing direction of *stormwater* flow;

x) Location of all receiving waters in the immediate vicinity of the *municipal facility*, indicating if any of the waters are impaired and, if so, whether the waters have *TMDLs* established for them (mapped in accordance with Part IV.D.1.e.ii.);

xi) Locations where *stormwater* flows have significant potential to cause erosion;

xii) Location and source of run-on from adjacent property containing significant quantities of *pollutants* and/or volume of concern to the *municipal facility*; and

xiii) Locations of the following areas where such areas are exposed to precipitation or *stormwater*:

(a) Fueling stations;
(b) Vehicle and equipment maintenance and/or cleaning areas;
(c) Loading/unloading areas;
(d) Locations used for the treatment, storage or disposal of wastes;
(e) Liquid storage tanks;
(f) Processing and storage areas;
(g) Locations where significant materials, fuel or chemicals are stored and transferred;
(h) Locations where vehicles and/or machinery are stored when not in use
(i) Transfer areas for substances in bulk;

(j) Location and description of non-*stormwater discharges* (Part I.A.3.);
(k) Locations where spills[35] or leaks have occurred; and
(l) Locations of all existing structural *BMP*s.

f) *Stormwater Best Management Practices (BMPs)*

The *municipal facility* specific SWPPP must document the location and type of *BMPs* implemented at the *municipal facility* (Part VI.F.1.). The *municipal facility* specific SWPPP must describe how each *BMP* is being implemented for all the potential *pollutant* sources.

g) *Municipal facility* assessments
The *municipal facility* specific SWPPP must include a schedule for completing and recording results of routine and comprehensive site assessments (Part VI.F.2.d.ii.c)).

ii. Municipal Facility Assessments

a) Wet Weather Visual Monitoring

i) Once every five (5) years, the *MS4 Operator* must conduct wet weather visual monitoring of the monitoring locations (Part VI.C.1.b.) and other sites of *stormwater* leaving the site that are *discharging stormwater* from fueling areas, storage areas, vehicle and equipment maintenance/fueling areas, material handling areas and similar potential *pollutant* generating areas (Part VI.F.2.d.i.e)xiii)).

(a) All samples must be collected from *discharges* resulting from a *qualifying storm event*. The storm event must be documented using the Storm Event Data Form (Appendix D) and kept with the *municipal facility* specific SWPPP. The sample must be taken during the first thirty (30) minutes (or as soon as practical, but not to exceed one hour) of the *discharge* at the monitoring location.

(b) No analytical tests are required to be performed on the samples for the purpose of meeting the visual monitoring requirements.

(c) The visual examination must document observations of color, odor, clarity, floating solids, settled solids, suspended solids, foam, oil sheen, and any other obvious indicators of *stormwater* pollution.

(d) The visual examination of the sample must be conducted in a well-lit area.

[35] A spill includes: any spill of a hazardous substance that must be reported in accordance with 6 NYCRR 597.4 and any spill of petroleum that must be reported in accordance with 6 NYCRR 613.6 or 17 NYCRR 32.3.

(e) Where practicable, the same individual should carry out the collection and examination of *discharges* for the entire permit term for consistency.

(f) The *MS4 Operator* must document the visual examination using the Visual Monitoring Form (Appendix D) and keep it with the *municipal facility* specific SWPPP to record:

(i) Monitoring location ID;

(ii) Examination date and time;

(iii) Personnel conducting the examination;

(iv) Nature of the *discharge* (runoff or snowmelt);

(v) Visual quality of the *stormwater discharge* including observations of color, odor, clarity, floating solids, settled solids, suspended solids, foam, oil sheen, and other obvious indicators of *stormwater* pollution; and

(vi) Probable sources of any observed *stormwater* contamination.

(vii) Corrective and follow up actions – If the visual examination indicates the presence of color, odor, floating solids, settled solids, suspended solids, foam, oil sheen, or other indicators of *stormwater* pollution, the *MS4 Operator* must, at minimum, complete and document the following actions:

(1) Evaluate the facility for potential sources;

(2) Remedy the problems identified;

(3) Revise the *municipal facility* specific SWPPP; and

(4) Perform an additional visual inspection during the first *qualifying storm event* following implementation of the corrective action. If the first *qualifying storm event* does not occur until the next visual monitoring period, this follow up action may be used as the next visual inspection.

b) The monitoring locations inspection and sampling program must be implemented at the *municipal facility* (Part VI.C.1.e.).

c) Comprehensive Site Assessments

i) Once every five (5) years following the most recent assessment, the *MS4 Operator* must complete a comprehensive site assessment for each high priority *municipal facility* as identified in the inventory (Part VI.F.2.b.) using the Municipal Facility Assessment Form (Appendix D) or an equivalent form containing

the same information, and document in the *municipal facility* specific SWPPP and *SWMP Plan* that:

(a) The *municipal facility* is in compliance with the terms and conditions of this *SPDES* general permit;

(b) Deficiencies were identified and all reasonable steps will be taken to minimize any *discharge* in violation of the permit, which has a reasonable likelihood of adversely affecting human health or the environment;

(i) Within twenty-four (24) hours, the *MS4 Operator* must prepare a schedule that includes corrective actions and specific interim milestones to be implemented until the corrective action is implemented; or

(c) Deficiencies were identified and all reasonable steps will be taken to minimize any *discharge* in violation of the permit, which does not have a reasonable likelihood of adversely affecting human health or the environment;

(i) Within seven (7) days, the *MS4 Operator* must prepare a schedule that includes corrective actions and specific interim milestones to be implemented until the corrective action is implemented.

e. Low Priority *Municipal Facility* Requirements

i. The *MS4 Operator* must identify procedures outlining *BMPs* for the types of activities that occur at the low priority *municipal* facilities as described in Part VI.F.1. A *municipal facility* specific SWPPP is not required.

ii. *Municipal Facility* Assessments

a) Low priority *municipal* facilities are not required to conduct wet weather visual monitoring.

b) The monitoring locations inspection and sampling program must be implemented at the *municipal facility* (Part VI.C.1.e.).

c) Comprehensive Site Assessments

i) Once every five (5) years following the most recent assessment, the *MS4 Operator* must complete a comprehensive site assessment for each low priority *municipal facility* as identified in the inventory (Part VI.F.2.b.) using the Municipal Facility Assessment Form (Appendix D) or an equivalent form containing the same information, and document in the *SWMP Plan* that:

(a) The *municipal facility* is in compliance with the terms and conditions of this *SPDES* general permit;

(b) Deficiencies were identified and all reasonable steps will be taken to minimize any *discharge* in violation of the permit, which

has a reasonable likelihood of adversely affecting human health or the environment;

(i) Within twenty-four (24) hours, the *MS4 Operator* must prepare a schedule that includes corrective actions and specific interim milestones to be implemented until the corrective action is implemented; or

(c) Deficiencies were identified and all reasonable steps will be to minimize any *discharge* in violation of the permit, which does not have a reasonable likelihood of adversely affecting human health or the environment;

(i) Within seven (7) days, the *MS4 Operator* must prepare a schedule that includes corrective actions and specific interim milestones to be implemented until the corrective action is implemented.

3. *Municipal Operations* & Maintenance

a. *Municipal Operations* Program

Municipal operations are: street and bridge maintenance; winter road maintenance; *MS4* maintenance; open space maintenance; solid waste management; new construction and land disturbances; right-of-way maintenance; marine operations; or hydrologic habitat modification.

Within three (3) years of the EDC, the *MS4 Operator* must *develop* and implement a *municipal operations* program. The *municipal operations* program must be documented in the *SWMP Plan* specifying:

i. The *municipal operations* procedures including:

a) The *BMPs* (Part VI.F.1.) incorporated into the *municipal operations* program;

b) The *municipal operations* corrective actions requirements (Part VI.F.3.b.);

c) *Catch basin* inspection and maintenance requirements (Part VI.F.3.c.);

d) Roads, bridges, parking lots, and right of way maintenance requirements (Part VI.F.3.d.); and

e) All other *municipal operations* maintenance requirements.

ii. The training provisions for the *MS4 Operator*'s *municipal operations* procedures (Part VI.F.3.a.i.).

a) If new staff are added, training on the *MS4 Operator*'s *municipal operations* procedures (Part VI.F.3.a.i.) must be given prior to conducting *municipal operations* procedures;

b) For existing staff, training on the *MS4 Operator*'s *municipal operations* procedures (Part VI.F.3.a.i.) must be given prior to conducting *municipal operations* procedures and once every five (5) years, thereafter; and

c) If the *municipal operations* procedures (Part VI.F.3.a.i.) are updated (Part VI.F.3.a.iv.), training on the updates must be given to all staff prior to conducting *municipal operations* procedures.

iii. The names, titles, and contact information for the individuals who have received *municipal operations* training and update annually; and

iv. Annually, by April 1, the *MS4 Operator* must:

a) Review and update the *municipal operations* procedures (Part VI.F.3.a.i.); and

c) Document the completion of this requirement in the *SWMP Plan*.

b. *Municipal Operations* Corrective Actions

i. For *municipal operations*, *MS4 Operators* must either:

a) Ensure compliance with the terms and conditions of this *SPDES* general permit; or

b) Implement corrective actions according to the following schedule and, after implementation, ensure the operations are in compliance with the terms and conditions of this *SPDES* general permit:

i) Within twenty-four (24) hours of discovery for situations that have a reasonable likelihood of adversely affecting human health or the environment;

ii) Initiated within seven (7) days of inspection and completed within thirty (30) days of inspection for situations that do not have a reasonable likelihood of adversely affecting human health or the environment; and

iii) For corrective actions that require special funding or construction that will take longer than thirty (30) days to complete, a schedule must be prepared that specifies interim milestones that will ensure compliance in the shortest reasonable time.

c. *Catch Basin* Inspection and Maintenance

Within three (3) years of the EDC, the MS4 Operator must:

i. Identify when *catch basin* inspection is needed with consideration for:

a) Areas with *construction activities* (mapped in accordance with Part IV.D.2.a.iii.);

b) Residential, commercial, and industrial areas (mapped in accordance with Part IV.D.1.d.iii.);

c) Recurring or history of issues; or

d) Confirmed citizen complaints on three or more separate occasions in the last twelve (12) months.

ii. Inventory *catch basin* inspection information including:

a) Date of inspection;

b) Approximate level of trash, sediment, and/or debris captured at time of clean-out (no trash, sediment, and/or debris, <50% of the depth of the *sump*, >50% of the depth of the *sump*);

c) Depth of structure;

d) Depth of *sump*; and

e) Date of clean out, if applicable (Part VI.F.3.c.iii.).

iii. Based on inspection results, clean out *catch basins* within the following timeframes:

a) Within six (6) months after the *catch basin* inspection, *catch basins* which had trash, sediment, and/or debris exceeding 50% of the depth of the *sump* as a result of a *catch basin* inspection must be cleaned out;

b) Within one (1) year after the *catch basin* inspection, *catch basins* which had trash, sediment, and/or debris at less than 50% of the depth of the *sump* as a result of a *catch basin* inspection must be cleaned out; and

c) MS4 Operators are not required to clean out *catch basins* if the *catch basins* are operating properly and:

i. There is no trash, sediment, and/or debris in the *catch basin*; or

ii. The *sump* depth of the *catch basin* is less than or equal to two (2) feet.

iv. Properly manage (handling and disposal) materials removed from *catch basins* during clean out so that:

a) Water removed during the *catch basin* cleaning process will not reenter the *MS4* or *surface waters of the State*;

b) Material removed from *catch basins* is disposed of in accordance with any applicable environmental laws and regulations; and

c) Material removed during the *catch basin* cleaning process will not reenter the *MS4* or *surface waters of the State*.

v. Determine if there are signs/evidence of *illicit discharges* and procedures for referral/follow-up if *illicit discharges* are encountered.

d. Roads, Bridges, Parking Lots, & Right of Way Maintenance

i. Sweeping

Within six (6) months of the EDC, the *MS4 Operator* must *develop* and implement procedures for sweeping and/or cleaning *municipal* streets, bridges, parking lots, and right of ways owned/operated by the *MS4 Operator*. The procedures and completion of permit requirements must be documented in the *SWMP Plan* specifying:

a) All roads, bridges, parking lots, and right of ways must be swept and/or cleaned once every five (5) years in the spring (following winter activities such as sanding). This requirement is not applicable to:

   i) Uncurbed roads with no *catch basins*;

   ii) High-speed limited access highways; or

   iii) Roads defined as interstates, freeways and expressways, or arterials by the United States Department of Transportation, Federal Highway Administration, Highway Functional Classification Concepts, Criteria and Procedures, 2013.

b) Annually, from April 1 through October 31, roads in business and commercial areas must be swept. This requirement is not applicable to:

   i) Uncurbed roads with no *catch basins*;

   ii) High-speed limited access highways; or

   iii) Roads defined as interstates, freeways and expressways, or arterials by the USDOT 2013.

ii. Maintenance

Within five (5) years of the EDC, in addition to the *BMPs* (Part VI.F.1.), the *MS4 Operator* must implement the following provisions:

a) Pave, mark, and seal in dry conditions;

b) Stage road operations and maintenance activity (e.g., patching, potholes) to reduce the potential discharge of pollutants to the *MS4* or *surface waters of the State*;

c) Restrict the use of herbicides/pesticide application to roadside vegetation; and

d) Contain *pollutants* associated with bridge maintenance activities (e.g., paint chips, dust, cleaning products, other debris).

iii. Winter Road Maintenance

Within five (5) years of the EDC, in addition to the *BMPs* (Part VI.F.1.), the *MS4 Operator* must implement the following provisions:

a) Routinely calibrate equipment to control salt/sand application rates; and

b) Ensure that routine snow disposal activities comply with the Division of Water Technical and Operation Guidance Series 5.1.11, Snow Disposal.[36]

[36] The Division of Water Technical and Operation Guidance Series 5.1.11, Snow Disposal can be found on the Department's website.

Part VII. Minimum Control Measures (MCMs) for *Traditional Non-Land Use Control & Non-Traditional MS4 Operators*

In addition to the requirements contained in Part I. through Part V*, traditional non-land use* and *non-traditional MS4 Operators* must comply with the MCMs contained in this Part. These *MS4 Operators* should consider their public to be:

- Employees (i.e., staff, faculty);
- User population/visitors;
- Students;
- Tenants; and
- Contractors & developers working for *MS4 Operator*.

A. MCM1 – Public Education and Outreach Program

The *MS4 Operator* must *develop* and implement an education and outreach program to increase public awareness of *pollutant* generating activities and behaviors. This MCM is designed to inform the public about the impacts of *stormwater* on water quality, the general sources of *stormwater pollutants*, and the steps the general public can take to reduce *pollutants* in *stormwater* runoff.

1. Development

a. Focus Areas

Within three (3) years of the EDC, the *MS4 Operator* must identify and document the focus areas in the *SWMP Plan*. The focus areas to be considered are as follows:

i. Areas *discharging* to waters with Class AA-S, A-S, AA, A, B, SA, or SB (mapped in accordance with Part IV.D.1.e.ii.a));

ii. *Sewersheds* for impaired waters listed in Appendix C (subject to Part VIII. requirements; mapped in accordance with Part IV.D.1.c. for *MS4 Operators* continuing coverage and Part IV.D.2.a.ii. for newly designated *MS4 Operators*);

iii. *TMDL* watersheds (subject to Part IX. requirements; mapped in accordance with Part IV.D.1.e.ii.c));

iv. Areas with *construction activities*;

v. Areas with on-site wastewater systems (subject to Part VIII. or Part IX. requirements);

vi. Residential, commercial, and industrial areas (mapped in accordance with Part IV.D.1.e.iii.);

vii. *Stormwater hotspots*; and

viii. Areas with *illicit discharges*.

b. Target Audiences and Associated *Pollutant* Generating Activities

Within three (3) years of the EDC, the *MS4 Operator* must identify and document the applicable target audience(s) and associated *pollutant* generating activities that the outreach and education will address for each focus area identified by the *MS4 Operator* in Part VII.A.1.a. in the *SWMP Plan*. The target audiences are as follows:

i. Residents;

ii. Commercial:[37] Business owners and staff;

iii. Institutions:[38] Managers, staff, and students;

iv. Construction: Developers, contractors, and design professionals;

v. Industrial:[39] Owners and staff; and

vi. *MS4 Operator*'s *municipal* staff.

c. Education and Outreach Topics

Within three (3) years of the EDC, the *MS4 Operator* must identify and document in the *SWMP Plan* the education and outreach topics and how the education and outreach topics will reduce the potential for *pollutants* to be generated by the target audience(s) (Part VII.A.1.b.) for the focus area(s) (Part VII.A.1.a.).

e. *Illicit Discharge* Education

Within six (6) months of the EDC, the *MS4 Operator* must make information related to the prevention of *illicit discharges*, available to *municipal* employees, businesses, and the public and document the completion of this requirement in the *SWMP Plan*. The information related to the prevention of illicit discharges must include the following:

i. What types of *discharges* are allowable (Part I.A.3.);

ii. What is an *illicit discharge* and why is it prohibited (Part VII.C.);

iii. The environmental hazards associated with *illicit discharges* and improper disposal of waste;

iv. Proper handling and disposal practices for the most common behaviors within the community (e.g., septic care, car washing, household hazardous waste, swimming pool draining, or other activities resulting in *illicit discharges* to the *MS4*); and

v. How to report *illicit discharges* they may observe (Part VII.C.1.a.).

[37] Business, retail stores, and restaurants.
[38] Hospitals, churches, colleges, and schools.
[39] Factories, recyclers, auto-salvage, and mines.

2. Implementation and Frequency

a. Distribution Method of Educational Messages

Once every five (5) years, the *MS4 Operator* must identify and document in the *SWMP Plan* which of the following method(s) are used for the distribution of educational messages:

i. Printed materials (e.g., mail inserts, brochures, and newsletters);

ii. Electronic materials (e.g., websites, email listservs);

iii. Mass media (e.g., newspapers, public service announcements on radio or cable);

iv. Workshops or focus groups;

v. Displays in public areas (e.g., town halls, library, parks); or

vi. Social Media (e.g., Facebook, Twitter, blogs).

b. Frequency

Following the completion of Part VII.A.1.a, Part VII.A.1.b, and Part VII.A.1.c, within five (5) years of the EDC, and once every five (5) years, thereafter, the *MS4 Operator* must:

i. Deliver an educational message to each target audience(s) (Part VII.A.1.b.) for each focus area(s) (Part VII.A.1.a.) based on the defined education and outreach topic(s) (Part VII.A.1.c.); and

ii. Document the completion of this requirement in the *SWMP Plan*.

c. Updates to the Public Education and Outreach Program

Following the completion of Part VII.A.1.a, Part VII.A.1.b, and Part VII.A.1.c, annually, by April 1, the *MS4 Operator* must:

i. Review and update the focus areas, target audiences, and/or education and outreach topics; and

ii. Document the completion of this requirement in the *SWMP Plan*.

B. MCM 2 - Public Involvement/Participation

The *MS4 Operator* must provide opportunities to involve the public in the development, review, and implementation of the *SWMP*. This MCM is designed to give the public the opportunity to include their opinions in the implementation of this *SPDES* general permit.

1. Public Involvement/Participation

a. Annually, the *MS4 Operator* must provide an opportunity for public involvement/participation in the development and implementation of the *SWMP*. The *MS4 Operator* must document the public involvement/participation opportunities in the *SWMP* Plan. The opportunities for public involvement/participation are as follows:

i. Citizen advisory group on *stormwater* management;

ii. Public hearings or meetings;

iii. Citizen volunteers to educate other individuals about the *SWMP*;

iv. Coordination with other pre-existing public involvement/participation opportunities;

v. Reporting concerns about activities or behaviors observed; or

vi. Stewardship activities.

b. Annually, the *MS4 Operator* must inform the public of the opportunity (Part VII.B.1.a.) for their involvement/participation in the development and implementation of the *SWMP* and how they can become involved. The *MS4 Operator* must document the method for distribution of this information in the *SWMP Plan*. The methods for distribution are as follows:

i. Public notice;

ii. Printed materials (e.g., mail inserts, brochures and newsletters);

iii. Electronic materials (e.g., websites, email listservs);

iv. Mass media (e.g., newspapers, public service announcements on radio or cable);

v. Workshops or focus groups;

vi. Displays in public areas (e.g., town halls, library, parks); or

vii. Social Media (e.g., Facebook, Twitter, blogs).

c. Within six (6) months of the EDC, the *MS4 Operator* must identify a local point of contact to receive and respond to public concerns regarding *stormwater* management and compliance with permit requirements. The name or title of this individual, with contact information, must be published on public outreach and public participation materials and documented in the *SWMP Plan*.

2. Public Notice and Input Requirements

a. Public Notice and Input Requirements for *SWMP Plan*

Annually, the *MS4 Operator* must provide an opportunity for the public to review and comment on the publicly available *SWMP Plan* (Part IV.B.2.b.). The public must have the ability to ask questions and submit comments on the *SWMP Plan*. The completion of this permit requirement must be documented in the *SWMP Plan*. This requirement may be satisfied by Part VII.B.1.

b. Public Notice and Input Requirements for Draft Annual Report

i. Annually, the *MS4 Operator* must provide an opportunity for the public to review and comment on the draft Annual Report. The completion of this permit requirement must be documented in the *SWMP Plan*. This requirement may be satisfied by either:

a) Presentation of the draft Annual Report at a regular meeting of an existing board (e.g., administrative, planning, zoning) or a separate meeting specifically for *stormwater*, as designated by the *MS4* or if requested by the public. The public must have the ability to ask questions about and make comments on the draft annual report during that presentation; or

b) Posting of the draft Annual Report on a public website. The website must provide information on the timeframes and procedures to submit comments and/or request a meeting. However, if a public meeting is requested by two or more persons, the *MS4 Operator* must hold such a meeting.

c. Consideration of Public Input

i. Annually, the *MS4 Operator* must include a summary of comments received on the *SWMP Plan* and draft Annual Report in the *SWMP Plan*.

ii. Within thirty (30) days of when public input is received, the *MS4 Operator* must update the *SWMP Plan*, where appropriate, based on the public input received.

C. MCM 3 - *Illicit Discharge* Detection and Elimination

The *MS4 Operator* must *develop*, implement, and enforce a program which systematically detects, tracks down, and eliminates *illicit discharges* to the *MS4*. This MCM is designed to manage the *MS4* so it is not conveying *pollutants* associated with flows other than those directly attributable to *stormwater* runoff.

1. *Illicit Discharge* Detection

a. Public Reporting of *Illicit Discharges*

i. Within six (6) months of the EDC, the *MS4 Operator* must establish and document in the *SWMP Plan* an email or phone number (with message recording capability) for the public to report *illicit discharges*.

ii. Within thirty (30) days of an *illicit discharge*, the *MS4 Operator* must document each report of an *illicit discharge* in the *SWMP Plan* with the following information:

a) Date of the report;

b) Location of the *illicit discharge;*

c) Nature of the *illicit discharge;*

d) Follow up actions taken or needed (including response times); and

e) Inspection outcomes and any enforcement taken.

b. Monitoring Locations

The monitoring locations used to detect *illicit discharges* are identified as follows:

i. *MS4 outfalls;*[40]
ii. *Interconnections*;[41] and
iii. *Municipal facility intraconnections*.[42]

c. Monitoring Locations Inventory

i. Within three (3) years of the EDC, the *MS4 Operator* must *develop* and maintain an inventory of the monitoring locations in the *SWMP Plan*. The following information must be included in the inventory:[43]

a) Inventory information for *MS4 outfall*s

i) ID;
ii) Prioritization (high or low) (Part VII.C.1.d.);
iii) Type of monitoring location (Part VII.C.1.b.);
iv) Name of *MS4 Operator's municipal facility*, if located at a *municipal facility*;[44]
v) Receiving waterbody name and class (mapped in accordance with Part IV.D.1.e.ii.a));
vi) Receiving waterbody WI/PWL Segment ID (mapped in accordance with Part IV.D.1.e.ii.b));
vii) Land use in drainage area;
viii) Type of conveyance (open drainage or closed pipe);
ix) Material;
x) Shape;
xi) Dimensions;
xii) Submerged in water; and
xiii) Submerged in sediment.

b) Inventory information for *interconnections*

i) ID;
ii) Prioritization (high or low) (Part VII.C.1.d.);
iii) Type of monitoring location (Part VII.C.1.b.);
iv) Name of *MS4 Operator* receiving *discharge* or private storm system;

[40] *MS4 outfall*s can be found at a *municipal facility*.
[41] *Interconnections* can be found a *municipal facility*.
[42] *Municipal facility intraconnections* can be found only at a *municipal facility*.
[43] The information included in the inventory is collected during inspections on the Monitoring Locations Inspection and Sampling Field Sheet (Appendix D) unless otherwise specified by the permit conditions.
[44] This information is collected as part of the *municipal facility* inventory.

v) Name of *MS4 Operator*'s *municipal facility*, if located at a *municipal facility*; and
vi) Receiving waterbody name and class (mapped in accordance with Part IV.D.1.e.ii.a)).

c) Inventory information for *municipal facility intraconnections*

i) ID;
ii) Prioritization (high or low) (Part VII.C.1.d.);
iii) Type of monitoring location (Part VII.C.1.b.);
iv) Name of *MS4 Operator*'s *municipal facility*; and
v) Receiving waterbody name and class (mapped in accordance with Part IV.D.1.e.ii.a)).

ii. Annually, the *MS4 Operator* must update the inventory if monitoring locations are created or discovered.

d. Monitoring Locations Prioritization

i. Within three (3) years of the EDC, the *MS4 Operator* must prioritize monitoring locations which are included in the monitoring locations inventory (Part VII.C.1.c.) as follows:

a) High priority monitoring locations include monitoring locations:

vi) At a high priority *municipal facility*, as defined in Part VII.F.2.c;

vii) *Discharging* to impaired waters (subject to Part VIII. requirements; mapped in accordance with Part IV.D.1.e.ii.b));

viii) *Discharging* within a TMDL watershed (subject to Part IX. requirements; mapped in accordance with Part IV.D.1.e.ii.c));

ix) *Discharging* to waters with Class AA-S, A-S, AA, A, B, SA, or SB (mapped in accordance with Part IV.D.1.e.ii.a)); and/or

x) Confirmed citizen complaints on three or more separate occasions in the last twelve (12) months.

b) All other monitoring locations are considered low priority.

ii. Within thirty (30) days of when a monitoring location is constructed or the *MS4 Operator* discovers it, the *MS4 Operator* must prioritize those monitoring locations; and

iii. Annually, after the initial prioritization (Part VII.C.1.d.i.), the *MS4 Operator* must update the monitoring location prioritization in the inventory (Part VII.C.1.c.) based on information gathered as part of the monitoring location inspection and sampling program (Part VII.C.1.e.). The completion of this permit requirement must be documented in the *SWMP Plan*.

e. Monitoring Locations Inspection and Sampling Program

Within two (2) years of the EDC, the *MS4 Operator* must *develop* and implement a monitoring locations inspection and sampling program. The monitoring locations inspection and sampling program must be documented in the *SWMP Plan* specifying:

i. The monitoring locations inspection and sampling procedures including:

a) During *dry weather,*[45] one (1) inspection of each monitoring location identified in the inventory (Part VII.C.1.c.) every five (5) years following the most recent inspection;

b) Documentation of all monitoring location inspections, including any sampling results, using the Monitoring Locations Inspection and Sampling Field Sheet (Appendix D) or an equivalent form containing the same information and include the completed monitoring location inspections and sampling results in the *SWMP Plan* (e.g., the completed Monitoring Locations Inspection and Sampling Field Sheets);

c) Provisions to sample all monitoring locations which had inspections which resulted in a *suspect* or *obvious illicit discharge* characterization. The sampling requirement is based on the number and severity of *physical indicators present in the flow* to better inform track down procedures (Part VII.C.2.). If the source of the *illicit discharge* is clear and discernable (e.g., sewage), sampling is not necessary;

d) Sampling may be done with field test kits or field instrumentation that are sufficiently sensitive to detect the parameter below the sampling action level used[46] and are not subject to 40 CFR Part 136 requirements for approved methods and certified laboratories;

e) Provisions to initiate, or cause to initiate,[47] track down procedures (Part VII.C.2.a.), in accordance with the timeframes specified in Part VII.C.2.a.iii, for monitoring locations with an overall characterization[48] as *suspect illicit discharge* or *obvious illicit discharge* or that exceed any sampling action level used;

f) Provisions to re-inspect the monitoring location within thirty (30) days of initial inspection if there is a *physical indicator not related to flow*, potentially indicative of *intermittent* or *transitory discharges,* utilizing techniques described in Chapter 12.6 of the Center for Watershed

[45] MS4 Operators can reference the Center for Watershed Protection Illicit Discharge Detection and Elimination: A Guidance Manual for Program Development and Technical Assistance, October 2004 (CWP 2004) for other factors to consider when determining when to conduct monitoring location inspection and sampling.
[46] Refer to Chapter 12 of the CWP 2004 for parameters, sampling action levels, and procedures.
[47] If track down is conducted by individuals or entities other than those conducting the monitoring locations inspections.
[48] Reference to the Monitoring Locations Inspection and Sampling Field Sheet, adapted from CWP 2004, Section 6: Overall Monitoring Location Characterization based on the Relative Severity Index of physical indicators for flowing monitoring locations only.

Protection Illicit Discharge Detection and Elimination: A Guidance Manual for Program Development and Technical Assistance, October 2004 (CWP 2004) or equivalent.

i) If those same physical indicators persist, the *MS4 Operator* must initiate *illicit discharge* track down procedures (Part VII.C.2.a.).

ii. The training provisions for the *MS4 Operator*'s monitoring locations inspection and sampling procedures (Part VII.C.1.e.i.).

a) If new staff are added, training on the *MS4 Operator*'s monitoring locations inspection and sampling procedures (Part VII.C.1.e.i.) must be given prior to conducting monitoring locations inspections and sampling procedures;

b) For existing staff, training on the *MS4 Operator*'s monitoring locations inspection and sampling procedures (Part VII.C.1.e.i.) must be given prior to conducting monitoring locations inspections and sampling and once every five (5) years, thereafter; and

c) If the monitoring locations inspection and sampling procedures (Part VII.C.1.e.i.) are updated (Part VII.C.1.e.iv.), training on the updates must be given to all staff prior to conducting monitoring locations inspections and sampling.

iii. The names, titles, and contact information for the individuals who have received monitoring locations inspection and sampling procedures training and update annually; and

iv. Annually, by April 1, the *MS4 Operator* must:

a) Review and update the monitoring location inspection and sampling procedures (Part VII.C.1.e.i.) based on monitoring location inspection results (e.g., trends, patterns, areas with *illicit discharges*, and common problems); and

b) Document the completion of this requirement in the *SWMP Plan*.

2. *Illicit Discharge* Track Down Program

Within two (2) years of the EDC, the *MS4 Operator* must *develop* and implement an *illicit discharge* track down program to identify the source of *illicit discharges* and the responsible party. The *illicit discharge* track down program must be documented in the *SWMP Plan* specifying:

a. The *illicit discharge* track down procedures including:

i. Procedures as described in Chapter 13 of CWP 2004 or equivalent;

ii. Steps taken for *illicit discharge* track down procedures;

iii. The following timeframes to initiate *illicit discharge* track down:

a) Within twenty-four (24) hours of discovery, the *MS4 Operator* must initiate track down procedures for flowing *MS4* monitoring locations with *obvious illicit discharges;*[49]

b) Within two (2) hours of discovery, the *MS4 Operator* must initiate track down procedures for *obvious illicit discharges* of sanitary wastewater that would affect bathing areas during bathing season, shell fishing areas or public water intakes and report orally or electronically to the Regional Water Engineer and local health department; and

c) Within five (5) days of discovery, the *MS4 Operator* must initiate track down procedures for *suspect illicit discharges*.

b. The training provisions for the *MS4 Operator*'s *illicit discharge* track down procedures (Part VII.C.2.a.).

i. If new staff are added, training on the *MS4 Operator*'s *illicit discharge* track down procedures (Part VII.C.2.a.) must be given prior to conducting *illicit discharge* track downs;

ii. For existing staff, training on the *MS4 Operator*'s *illicit discharge* track down procedures (Part VII.C.2.a.) must be given prior to *conducting illicit discharge* track downs and once every five (5) years, thereafter; and

iii. If the *illicit discharge* track down procedures (Part VII.C.2.a.) are updated (Part VII.C.2.d.), training on the updates must be given to all staff prior to conducting *illicit discharge* track downs.

c. The names, titles, and contact information for the individuals who have received *illicit discharge* track down procedures training and update annually; and

d. Annually, by April 1, the *MS4 Operator* must:

i. Review and update the *illicit discharge* track down procedures (Part VII.C.2.a.); and

ii. Document the completion of this requirement in the *SWMP Plan*.

3. *Illicit Discharge* Elimination Program

Within two (2) years of the EDC, the *MS4 Operator* must *develop* and implement an *illicit discharge* elimination program. The *illicit discharge* elimination program must be documented in the *SWMP Plan* specifying:

a. The *illicit discharge* elimination procedures including:

i. Provisions for escalating enforcement and tracking, both consistent with the ERP required in Part IV.F. of this *SPDES* general permit;

ii. Provisions to confirm the corrective actions have been taken;

[49] Reference to the Monitoring Locations Inspection and Sampling Field Sheet, adapted from CWP 2004, Section 6: Overall Monitoring Location Characterization based on the Relative Severity Index of physical indicators for flowing monitoring locations only.

iii. Steps taken for *illicit discharge* elimination procedures; and

iv. The following timeframes for *illicit discharge* elimination:

a) Within twenty-four (24) hours of identification of an *illicit discharge* that has a reasonable likelihood of adversely affecting human health or the environment, the *MS4 Operator* must eliminate the *illicit discharge*;

b) Within five (5) days of identification of an *illicit discharge* that does not have a reasonable likelihood of adversely affecting human health or the environment, the *MS4 Operator* must eliminate the *illicit discharge;* and

c) Where elimination of an *illicit discharge* within the specified timeframes (Part VII.C.3.a.iv.) is not possible, the *MS4 Operator* must notify the Regional Water Engineer.

b. The training provisions for the *MS4 Operator*'s *illicit discharge* elimination procedures (Part VII.C.3.a.).

i. If new staff are added, training on the *MS4 Operator*'s *illicit discharge* elimination procedures (Part VII.C.3.a.) must be given prior to conducting *illicit discharge* eliminations;

ii. For existing staff, training on the *MS4 Operator*'s *illicit discharge* elimination procedures (Part VII.C.3.a.) must be given prior to conducting *illicit discharge* eliminations and once every five (5) years, thereafter; and

iii. If the *illicit discharge* elimination procedures (Part VII.C.3.a.) are updated (Part VII.C.3.d.), training on the updates must be given to all staff prior to conducting *illicit discharge* eliminations.

c. The names, titles, and contact information for the individuals who have received *illicit discharge* elimination procedures training and update annually; and

d. Annually, by April 1, the *MS4 Operator* must:

i. Review and update the *illicit discharge* elimination procedures (Part VII.C.3.a.); and

ii. Document the completion of this requirement in the *SWMP Plan*.

D. MCM 4 - Construction Site *Stormwater* Runoff Control

The *MS4 Operator* must *develop*, implement, and enforce a program to ensure construction sites are effectively controlled. This MCM is designed to prevent *pollutants* from construction related activities,[50] as well as promote the proper planning and installation of post-construction *SMPs*.

[50] Projects that comply with the terms and conditions of the CGP or an individual *SPDES* permit for *stormwater* for which they obtained coverage and local erosion and sediment control requirements are effectively controlled.

1. Applicable Construction Activities/Projects/Sites

a. The construction site *stormwater* runoff control program must address *stormwater* runoff to the *MS4* from sites with *construction activities* permitted, approved, funded, or owned/operated by the *MS4 Operator* that:

i. Result in a total land disturbance of greater than or equal to one acre; or,

ii. Disturb less than one acre if part of a larger common plan of development or sale.

b. For *construction activities* where the *MS4 Operator* is listed as the owner/operator on the Notice of Intent for coverage under the CGP:

i. The *MS4 Operator* must ensure compliance with the CGP; and

ii. The additional requirements for construction oversight described in Part VII.D.6 through Part VII.D.9 are not required.

2. Public Reporting of Construction Site Complaints

a. Within six (6) months of the EDC, the *MS4 Operator* must establish and document in the *SWMP Plan* an email or phone number (with message recording capability) for the public to report complaints related to construction *stormwater* activity.

b. The *MS4 Operator* must document reports of construction site complaints in the *SWMP Plan* with the following information:

i. Date of the report;

ii. Location of the construction site;

iii. Nature of complaint;

iv. Follow up actions taken or needed; and

v. Inspection outcomes and any enforcement taken.

3. Construction Oversight Program

Within one (1) year of the EDC, the *MS4 Operator* must *develop* and implement a construction oversight program. The construction oversight program must be documented in the *SWMP Plan* specifying:

a. The construction oversight procedures including:

i. When the construction site *stormwater* control program applies (Part VII.D.1.);

ii. What types of *construction activity* require a SWPPP;

iii. The procedures for submission of SWPPPs;

iv. SWPPP review requirements (Part VII.D.6.)

v. Pre-construction oversight requirements (Part VII.D.7.)

vi. Construction site inspection requirements (Part VII.D.8.);

vii. Construction site close-out requirements (Part VII.D.9.);

viii. Enforcement process/expectations for compliance; and

ix. Other procedures associated with the control of *stormwater* runoff from applicable *construction activities*.

b. The training provisions for the *MS4 Operator*'s construction oversight procedures (Part VII.D.3.a.).

i. If new staff are added, training on the *MS4 Operator*'s construction oversight procedures (Part VII.D.3.a.) must be given prior to conducting any construction oversight activities;

ii. For existing staff, training on the *MS4 Operator*'s construction oversight procedures (Part VII.D.3.a.) must be given prior to conducting any construction oversight activities and once every five (5) years, thereafter; and

iii. If the construction oversight procedures (Part VII.D.3.a.) are updated (Part VII.D.3.a.), training on the updates must be given to all staff prior to conducting construction oversight.

c. The names, titles, and contact information for the individuals who have received construction oversight training and update annually;

d. Procedures to ensure those involved in the *construction activity* itself (e.g., contractor, subcontractor, *qualified inspector*, SWPPP reviewers) have received four (4) hours of *Department* endorsed training in proper erosion and sediment control principles from a Soil & Water Conservation District, or other *Department* endorsed entity; and

e. Annually, by April 1, the *MS4 Operator* must:

i. Review and update the construction oversight procedures (Part VII.D.3.a.); and

ii. Document the completion of this requirement in the *SWMP Plan*.

4. Construction Site Inventory & Inspection Tracking

a. Within six (6) months of the EDC, the *MS4 Operator* must *develop* and maintain an inventory of all applicable construction sites (Part VII.D.1.a.) in the *SWMP Plan*. The following information must be included in the inventory:

i. Location of the construction site;

ii. Owner/operator contact information, if other than the *MS4 Operator*;

iii. Receiving waterbody name and class (mapped in accordance with Part IV.D.1.e.ii.a));

iv. Receiving waterbody WI/PWL Segment ID (mapped in accordance with Part IV.D.1.e.ii.b));

v. Prioritization (high or low) (Part VII.D.5.);

vi. Construction project *SPDES* identification number;

vii. SWPPP approval date;

viii. Inspection history, including dates and ratings (satisfactory, marginal, or unsatisfactory, when available); and

ix. Current status of the construction site/project (i.e., active, temporarily shut down, complete[51]).

b. Annually, the *MS4 Operator* must update the inventory if construction projects are approved or completed.

5. Construction Site Prioritization

a. Within one (1) year of the EDC, the *MS4 Operator* must prioritize all construction sites which are included in the construction site inventory (Part VII.D.4.) as follows:

i. High priority construction sites include construction sites:

a) With a direct conveyance (e.g., channel, ditch, storm sewer) to a *surface water of the State* that is:

i) Listed in Appendix C with silt/sediment, phosphorus, or nitrogen as the POC;

ii) Classified as AA-S, AA, or A (mapped in accordance with Part IV.D.1.e.ii.a)); or

iii) Classified with a trout (T) or trout spawning (TS) designation (mapped in accordance with Part IV.D.1.e.ii.a));

b) With greater than five (5) acres of disturbed earth at any one time;

c) With earth disturbance within one hundred (100) feet of any lake or pond (mapped in accordance with Part IV.D.1.e.ii.b)); and/or

d) Within fifty (50) feet of any rivers or streams (mapped in accordance with Part IV.D.1.e.ii.b));

ii. All other construction sites are considered low priority.

b. Within thirty (30) days of when a construction site becomes active, the *MS4 Operator* must prioritize those construction sites; and

c. Annually, after the initial prioritization (Part VII.D.5.a.), the *MS4 Operator* must update the construction site prioritization in the inventory (Part VII.D.4.a.) based on information gathered as part of the construction oversight program (Part VII.D.3.). The completion of this permit requirement must be documented in the *SWMP Plan*.

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[51] Construction projects listed on the inventory must be inspected and tracked as described in Part VII.D.8. until a final site inspection has been completed as specified in Part VII.D.9. and the construction site status changes to complete.

i. If the prioritization of the construction site changes priority based on information gathered as part of the construction oversight program, the *MS4 Operator* must comply with the requirements that apply to that prioritization.

6. SWPPP Review

The *MS4 Operator* must:

a. Ensure individual(s), responsible for reviewing SWPPPs for acceptance, receive:

i. Four (4) hours of *Department* endorsed training in proper erosion and sediment control principles from a Soil & Water Conservation District, or other *Department* endorsed entity. This training must be completed within three (3) years of the EDC and every three (3) years thereafter.

ii. Document the completion of this requirement in the *SWMP Plan*.

b. Ensure SWPPP reviewers receive this training (Part VII.D.6.a.) prior to conducting SWPPP reviews for acceptance.

i. Individuals without these trainings cannot review SWPPPs for acceptance.

ii. Individuals who meet the definition of a *qualified professional* or *qualified inspector* are exempt from this requirement.

c. Ensure individuals responsible for reviewing SWPPPs review all SWPPPs for applicable *construction activities* (Part VII.D.1.) and for conformance with the requirements of the CGP, including:

i. Erosion and sediment controls must be reviewed for conformance with the NYS E&SC 2016, or equivalent;

ii. Individuals responsible for review of post-construction *SMPs* must be *qualified professionals* or under the supervision of a *qualified professional*; and

iii. Post-construction *SMPs* must be reviewed for conformance with the NYS SWMDM 2015 or equivalent, including:

a) All post-construction *SMPs* must meet the *sizing criteria* contained in the CGP and NYS SWMDM 2015.

b) Deviations from the performance criteria of the NYS SWMDM 2015 must demonstrate that they are equivalent.

c) The SWPPP must include an O&M plan that includes inspection and maintenance schedules and actions to ensure continuous and effective operation of each post-construction *SMP*. The SWPPP must identify the entity that will be responsible for the long-term operation and maintenance of each practice.

d. In the *SWMP Plan*, document and update annually the names, titles, and contact information for the individuals who have received the trainings listed in Part VII.D.6.a.

e. In the *SWMP Plan*, document the SWPPP review including the information found in Part III.B. of the CGP;

f. Prioritize new *construction activities* (Part VII.D.5.a.); and

g. Notify construction site owner/operators that their SWPPP has been accepted using the *MS4* SWPPP Acceptance Form[52] created by the *Department* and required by the CGP, signed in accordance with Part X.J.

7. Pre-Construction Meeting

Prior to commencement of *construction activities*, the *MS4 Operator* must ensure a pre-construction meeting is conducted. The date and content of the pre-construction inspection/meeting must be documented in the *SWMP Plan*. The owner/operator listed on the CGP NOI (if different from the *MS4 Operator*), the *MS4 Operator*, contractor(s) responsible for implementing the SWPPP for the *construction activity,* and the *qualified inspector* (if required for the *construction activity* by Part IV.C. the CGP) must attend the meeting in order to:

a. Confirm the approved project has received, or will receive[53], coverage under the CGP or an individual *SPDES* permit;

b. Verify contractors and subcontractors selected by the owner/operator of the *construction activity* have identified at least one individual that has received four (4) hours of *Department* endorsed training in proper erosion and sediment control principles from a Soil & Water Conservation District or other endorsed entity as required by the CGP and Part VII.D.3.d; and

c. Review the construction oversight program (Part VII.D.3.) and expectations for compliance.

8. Construction Site Inspections

The *MS4 Operator* must:

a. Ensure individuals(s), responsible for construction site inspections, receive:

   i. Four (4) hours of *Department* endorsed training in proper erosion and sediment control principles from a Soil & Water Conservation District, or other *Department* endorsed entity. This training must be complete, within three (3) years of the EDC and every three (3) years thereafter.

   ii. Document the completion of this requirement in the *SWMP Plan*.

[52] The *MS4* SWPPP Acceptance Form can be found on the Department's website.

[53] Preconstruction meetings may occur prior to the issuance of the MS4 SWPP Acceptance Form, however, the MS4 Operator must confirm coverage under the CGP will be applied for by the construction site owner/operator prior to commencement of construction of *construction activities*.

b. Ensure all *MS4* Construction Site Inspectors receive this training prior to conducting construction site inspections.

   i. Individuals without these trainings cannot inspect construction sites.

   ii. Individuals who meet the definition of a *qualified professional* or *qualified inspector* are exempt from this requirement.

c. Annually inspect all sites with *construction activity* identified in the inventory (Part VII.D.4.) during active construction after the pre-construction meeting (Part VII.D.7.), or sooner if deficiencies are noted that require attention.

   i. Follow up to construction site inspections must confirm corrective actions are completed within timeframes established by the CGP and the MS4 Operator's ERP (Part IV.F.1.).

d. In the *SWMP Plan*, document and update annually the names, titles, and contact information for the individuals who have received the trainings listed in Part VII.D.8.a.

e. Document all inspections using the Construction Site Inspection Report Form (Appendix D) or an equivalent form containing the same information. The *MS4 Operator* must include the completed Construction Site Inspection Reports in the *SWMP Plan*.

9. Construction Site Close-out

a. The *MS4 Operator* must ensure a final construction site inspection is conducted and documentation of the final construction site inspection must be maintained in the *SWMP Plan*. The final construction site inspection must be documented using the Construction Site Inspection Report Form (Appendix D), or an equivalent form containing the same information, or accept the construction site owner/operator's *qualified inspector* final inspection certification required by the CGP.

b. The Notice of Termination (NOT)[54] must be signed by the *MS4 Operator* as required by the CGP for projects determined to be complete. The NOT must be signed in accordance with Part X.J.

E. MCM 5 – Post-Construction *Stormwater* Management

The *MS4 Operator* must *develop*, implement, and enforce a program to ensure proper operation and maintenance of post-construction *SMPs* for new or redeveloped sites. This MCM is designed to promote the long-term performance of post-construction *SMPs* in removing *pollutants* from *stormwater* runoff.

[54] The NOT can be found on the Department's website.

1. Applicable Post-Construction *SMPs*

The post-construction *SMP program* must address *stormwater* runoff to the *MS4* from *publicly owned/operated* post-construction *SMPs* that meet the following:

a. Post-construction *SMPs* that have been installed as part of any CGP covered construction site or individual *SPDES* permit (since March 10, 2003); and

b. All new post-construction *SMPs* constructed as part of the construction site *stormwater* runoff control program (Part VII.D.).

2. Post-Construction *SMP* Inventory & Inspection Tracking[55]

a. The *MS4 Operators* continuing coverage must:

   i. Maintain the inventory from previous iterations of this *SPDES* general permit for post-construction *SMPs* installed after March 10, 2003; and

   ii. *Develop* the inventory for post-construction *SMPs* installed after March 10, 2003 including post-construction *SMPs:*

      a) As they are approved or discovered; or

      b) After the owner/operator of the *construction activity* has filed the NOT with the *Department* (Part VII.D.9.b.).

b. The newly designated *MS4 Operators* must *develop* and maintain the inventory for post-construction *SMPs* installed after March 10, 2003 including post-construction *SMPs:*

   i. As they are approved or discovered; or

   ii. After the owner/operator of the *construction activity* has filed the NOT with the *Department* (Part VII.D.9.b.).

c. Annually, the MS4 Operator must update the inventory of post-construction SMPs to include the post-construction *SMPs* in Part VII.E.2.a. and Part VII.E.2.b.

d. Within five (5) years of the EDC, the following information must be included in the inventory either by using the *MS4 Operator* maintenance records or by verification of maintenance records provided by the owner of the post-construction *SMP*:

   i. Street address or tax parcel;

   ii. Type;[56]

   iii. Receiving waterbody name and class (mapped in accordance with Part IV.D.1.e.ii.a));

[55] Post-construction *SMPs* can be found at a *municipal facility*.
[56] Post-construction *SMP* types are defined in the New York State Department of Environmental Conservation Maintenance Guidance: Stormwater Management Practices, March 31, 2017 (NYS DEC Maintenance Guidance 2017).

iv. Receiving waterbody WI/PWL Segment ID (mapped in accordance with Part IV.D.1.e.ii.b));

v. Date of installation (if available) or discovery;

vi. Ownership;

vii. Responsible party for maintenance;

viii. Contact information for party responsible for maintenance;

ix. Location of documentation depicting O&M requirements and legal agreements for post-construction *SMP*;

x. Frequency for inspection of post-construction *SMP*, as specified in the New York State Department of Environmental Conservation Maintenance Guidance: Stormwater Management Practices, March 31, 2017 (NYS DEC Maintenance Guidance 2017) or as specified in the O&M plan contained in the approved SWPPP (Part VII.D.6.);

xi. Reason for installation (e.g., new development, redevelopment, *retrofit*, flood control), if known;

xii. Date of last inspection;

xiii. Inspection results; and

xiv. Any corrective actions identified and completed.

e. *MS4 Operators* must document the inventory of post-construction *SMPs* in the *SWMP Plan*.

3. SWPPP Review

For post-construction *SMP* SWPPP review requirements, see Part VII.D.6.

4. Post-Construction *SMP* Inspection & Maintenance Program

Within one (1) year of the EDC, the *MS4 Operator* must *develop* and implement a post-construction *SMP* inspection and maintenance program. The post-construction *SMP* inspection and maintenance program must be documented in the *SWMP Plan* specifying:

a. The post-construction *SMP* inspection and maintenance procedures including:

i. Provisions to ensure that each post-construction *SMP* identified in the post-construction *SMP* inventory (Part VII.E.2.) is inspected at the frequency specified in the NYS DEC Maintenance Guidance 2017 or as specified in the O&M plan contained in the approved SWPPP (Part VII.D.6.), if available;

ii. Documentation of post-construction *SMP* inspections using the Post-Construction SMP Inspection Checklist[57] or an equivalent form containing the same information. The *MS4 Operator* must include the completed post-construction *SMP* inspections (i.e., the completed Post-Construction SMP Inspection Checklist) in the *SWMP Plan*;

iii. Provisions to initiate follow-up actions (i.e., maintenance, repair, or higher-level inspection) within thirty (30) days of post-construction *SMP* inspection; and

iv. Provisions to initiate enforcement within sixty (60) days of the inspection if follow-up actions are not complete.

b. The training provisions for the *MS4 Operator*'s post-construction *SMP* inspection and maintenance procedures (Part VII.E.4.a.).

i. If new staff are added, training on the *MS4 Operator*'s post-construction *SMP* inspection and maintenance procedures (Part VII.E.4.a.) and procedures outlined in the *Department* endorsed program must be given prior to conducting any post-construction *SMP* inspection and maintenance;

ii. For existing staff, training on the *MS4 Operator*'s post-construction *SMP* inspection and maintenance procedures (Part VII.E.4.a.) and procedures outlined in the *Department* endorsed program must be given prior to conducting any post-construction *SMP* inspection and maintenance and once every five (5) years, thereafter; and

iii. If the post-construction *SMP* inspection and maintenance procedures (Part VII.E.4.a.) are updated (Part VII.E.4.d.), training on the updates must be given to all staff prior to conducting post-construction *SMP* inspection and maintenance.

c. The names, titles, and contact information for the individuals who have received post-construction *SMP* inspection and maintenance procedures training and update annually; and

d. Annually, by April 1, the *MS4 Operator* must:

i. Review and update the post-construction *SMP* inspection and maintenance procedures (Part VII.E.4.a.); and

ii. Document the completion of this requirement in the *SWMP Plan*.

F. MCM 6 – Pollution Prevention and Good Housekeeping

The *MS4 Operator* must *develop* and implement a pollution prevention and good housekeeping program for *municipal facilities* and *municipal operations* to minimize

[57] The *Department* developed checklist forms specific to each post-construction *SMP* designed to assist *MS4 Operators* in conducting inspections and maintenance activities of standard practices. The Post-Construction SMP Inspection Checklist, March 31, 2017, can be found on the Department's website.

pollutant discharges. This MCM is designed to ensure the *MS4 Operator*'s own activities do not contribute *pollutants* to *surface waters of the State*.

1. *Best Management Practices (BMPs)* for *Municipal Facilities & Operations*

Within three (3) years of the EDC, the *MS4 Operator* must incorporate *best management practices* (*BMPs*) into the *municipal facility* program *and municipal operations* program to minimize the *discharge* of *pollutants* associated with *municipal facilities* and *municipal operations, respectively*. The *BMPs* to be considered are as follows and must be documented in the *SWMP Plan*:

a. Minimize Exposure

i. Exposure of materials to rain, snow, snowmelt, and runoff must be minimized, unless not technologically possible or not economically practicable and achievable in light of best industry practices, including areas used for loading and unloading, storage, disposal, cleaning, maintenance, and fueling operations, with the following *BMP*s:

a) Locate materials and activities inside or protect them with storm resistant coverings;

b) Use grading, berming, or curbing to prevent runoff of contaminated flows and divert run-on away from these areas;

c) Locate materials, equipment, and activities so leaks and spills are contained in existing containment and diversion systems;

d) Clean up spills and leaks promptly using dry methods (e.g., absorbents) to prevent the *discharge* of *pollutants*;

e) Store leaky vehicles and equipment indoors or, if stored outdoors, use drip pans and absorbents;

f) Use spill/overflow protection equipment;

g) Perform all vehicle and/or equipment cleaning operations indoors, under cover, or in bermed areas that prevent runoff and run-on and also captures any overspray;

h) Drain fluids, indoors or under cover, from equipment and vehicles that will be decommissioned, and, for any equipment and vehicles that will remain unused for extended periods of time, inspect at least monthly for leaks; and/or

i) Minimize exposure of chemicals by replacing with a less toxic alternative (e.g., use non-hazardous cleaners).

ii. *No Exposure* Certification for High Priority *Municipal Facilities*

a) *Municipal facilities* may qualify for *No Exposure* Certification (Appendix D) when all activities and materials are completely sheltered from exposure to rain, snow, snowmelt and/or runoff.

b) High priority *municipal facilities* (Part VII.F.2.c.i.a)) with uncovered parking areas for vehicles awaiting maintenance may be considered a low priority *municipal facility* (Part VII.F.2.c.i.c)) if only routine maintenance is performed inside and all other n*o exposure* criteria are met.

c) *Municipal facilities* accepting or repairing disabled vehicles and/or vehicles that have been involved in accidents are not eligible for the *No Exposure* Certification.

d) *Municipal facilities* must maintain the *No Exposure* Certification and document in the *SWMP Plan*. The *No Exposure* Certification ceases to apply when activities or materials become exposed.

b. Follow a Preventive Maintenance Program

i. Implement a preventative maintenance program that includes routine inspection, testing, maintenance, and repair of all fueling areas, vehicles and equipment and systems to prevent leaks, spills and other releases. This includes:

a) Performing inspections and preventive maintenance of *stormwater* drainage, source controls, treatment systems, and plant equipment and systems;

b) Maintaining non-structural *BMPs* (e.g., keep spill response supplies available, personnel appropriately trained, containment measures, covering fuel areas); and

c) Ensure vehicle washwater is not *discharged* to the *MS4* or to *surface waters of the State*. Wash equipment/vehicles in a designated and/or covered area where washwater is collected to be recycled or *discharged* to the sanitary sewer (Part I.B.2.d.).

ii. Routine maintenance must be performed to ensure *BMPs* are operating properly.

iii. When a *BMP* is not functioning to its designed effectiveness and needs repair or replacement:

a) Maintenance must be performed before the next anticipated storm event, or as necessary to maintain the continued effectiveness of *stormwater* controls. If maintenance prior to the next anticipated storm event is impracticable, maintenance must be scheduled and accomplished as soon as practicable; and

b) Interim measures must be taken to prevent or minimize the *discharge* of *pollutants* until the final repair or replacement is implemented, including cleaning up any contaminated surfaces so that the material will not be *discharged* during subsequent storm events.

c. Spill Prevention and Response Procedures

i. Minimize the potential for leaks, spills and other releases that may be exposed to *stormwater* and *develop* plans for effective response to such spills if or when they occur. At a minimum, the *MS4 Operator* must:
   a) Store materials in appropriate containers;
   b) Label containers (e.g., "Used Oil," "Spent Solvents," "Fertilizers and Pesticides") that could be susceptible to spillage or leakage to encourage proper handling and facilitate rapid response if spills or leaks occur;
   c) Implement procedures for material storage and handling, including the use of secondary containment and barriers between material storage and traffic areas, or a similarly effective means designed to prevent the *discharge* of *pollutants* from these areas;
   d) *Develop* procedures for stopping, containing, and cleaning up leaks, spills, and other releases. As appropriate, execute such procedures as soon as possible;
   e) Keep spill kits on-site, located near areas where spills may occur or where a rapid response can be made;
   f) *Develop* procedures for notification of the appropriate facility personnel, emergency response agencies, and regulatory agencies when a leak, spill, or other release occurs. If possible, one of these individuals should be a member of the *stormwater* pollution prevention team (Part VII.F.2.d.i.a)). Any spills must be reported in accordance with 6 NYCRR 750-2.7; and
   g) Following any spill or release, the *MS4 Operator* must evaluate the adequacy of the *BMPs* identified in the *municipal facility* specific SWPPP. If the *BMPs* are inadequate, the SWPPP must be updated to identify new *BMPs* that will prevent reoccurrence and improve the emergency response to such releases.

ii. Measures for cleaning up spills or leaks must be consistent with applicable petroleum bulk storage, chemical bulk storage, or hazardous waste management regulations at 6 NYCRR Parts 596-599, 613 and 370-373.

iii. This *SPDES* general permit does not relieve the *MS4 Operator* of any reporting or other requirements related to spills or other releases of petroleum or hazardous substances. Any spill of a hazardous substance must be reported in accordance with 6 NYCRR 597.4. Any spill of petroleum must be reported in accordance with 6 NYCRR 613.6 or 17 NYCRR 32.3.

d. Erosion and Sediment Controls[58]

i. Stabilize exposed areas and control runoff using structural and/or non-structural controls to minimize onsite erosion and sedimentation.

[58] The use of the term "controls" in Part VII.F.1.d. aligns with the use of the term "controls" in the CGP.

ii. The *MS4 Operator* must consider:

a) Structural and/or non-structural controls found in the NYS E&SC 2016;

b) Areas that, due to topography, land disturbance (e.g., construction), or other factors, have potential for significant soil erosion;

c) Whether structural, vegetative, and/or stabilization *BMPs* are needed to limit erosion;

d) Whether velocity dissipation devices (or equivalent measures) are needed at *discharge* locations and along the length of any channel to provide a non-erosive flow velocity from the structure to a water course; and

e) Address erosion or areas with poor vegetative cover, especially if the erosion is within fifty (50) feet of a *surface water of the State*.

e. Manage Vegetated Areas and Open Space on *Municipal* Property

i. Maintain vegetated areas on *MS4 Operator* owned/operated property and right of ways:

a) Specify proper use, storage, and disposal of pesticides, herbicides, and fertilizers including minimizing the use of these products and using only in accordance manufacturer's instruction;

b) Use lawn maintenance and landscaping practices that are protective of water quality. Protective practices include: reduced mowing frequencies; proper disposal of lawn clippings; and use of alternative landscaping materials (e.g., drought resistant planting);

c) Place pet waste disposal containers and signage concerning the proper collection and disposal of pet waste at all parks and open space where pets are permitted; and

d) Address waterfowl congregation areas where needed to reduce waterfowl droppings from entering the *MS4*.

f. Salt[59] Storage Piles or Pile Containing Salt

Enclose or cover storage piles of salt, or piles containing salt, used for deicing or maintenance of paved surfaces, except during loading, unloading, and handling. Implement appropriate measures (e.g., good housekeeping, routine sweeping, diversions, containment) to minimize exposure resulting from adding to or removing materials from the pile.

g. Waste, Garbage, and Floatable Debris

i. Keep all dumpster lids closed when not in use. For dumpsters and roll off boxes that do not have lids and could leak, ensure that *discharges* have a control (e.g., secondary containment, treatment); and

[59] For purposes of this *SPDES* general permit, salt means any chloride-containing material used to treat paved surfaces for deicing, including sodium chloride, calcium chloride, magnesium chloride, and brine solutions.

ii. Keep exposed areas free of waste, garbage, and debris or intercept them before they are *discharged*:

a) Manage trash containers at parks and open space (scheduled cleanings; sufficient number);

b) Pick up trash and debris on *MS4 Operator* owned/operated property and rights of way; and

c) Clean out *catch basins* within the appropriate timeframes (Part VII.F.3.c.iii.).

h. Alternative Implementation Options

When alternative implementation options (Part IV.A.1.) are utilized, require the parties performing *municipal operations* as contracted services, including but not limited to street sweeping, snow removal, and lawn/grounds care, to meet permit requirements as the requirements apply to the activity performed.

2. *Municipal Facilities*[60]

a. *Municipal Facility* Program

Within three (3) years of the EDC, the *MS4 Operator* must *develop* and implement a *municipal facility* program. The *municipal facility* program must be documented in the *SWMP Plan* specifying:

i. The *municipal facility* procedures including:

a) The *BMPs* (Part VII.F.1.) incorporated into the *municipal facility* program;

b) The high priority *municipal facility* requirements (Part VII.F.2.d.) as applied to the specific *municipal facility*; and

c) The low priority *municipal facility* requirements (Part VII.F.2.e.) as applied to the specific *municipal facility*.

ii. The training provisions for the *MS4 Operator*'s *municipal facility* procedures (Part VII.F.2.a.i.).

a) If new staff are added, training on the *MS4 Operator*'s *municipal facility* procedures (Part VII.F.2.a.i.) must be given prior to conducting *municipal facility* procedures;

b) For existing staff, training on the *MS4 Operator*'s *municipal facility* procedures (Part VII.F.2.a.i.) must be given prior to conducting *municipal facility* procedures and once every five (5) years, thereafter; and

[60] *Municipal facilities* that have coverage under a separate *SPDES* permit (either individual or MSGP) must comply with the terms and conditions of that permit and the requirements set forth in this Part are not applicable.

c) If the *municipal facility* procedures (Part VII.F.2.a.i.) are updated (Part VII.F.2.a.iv.), training on the updates must be given to all staff prior to conducting *municipal facility* procedures.

iii. The names, titles, and contact information for the individuals who have received *municipal facility* training and update annually; and

iv. Annually, by April 1, the *MS4 Operator* must:

a) Review and update the *municipal facility* procedures (Part VII.F.2.a.i.); and

b) Document the completion of this requirement in the *SWMP Plan*.

b. *Municipal Facility* Inventory

i. Within two (2) years of the EDC, the *MS4 Operator* must *develop* and maintain an inventory of all *municipal* facilities in the *SWMP* Plan. The following information must be included in the inventory:

a) Name of *municipal facility*;

b) Street address;

c) Type of *municipal facility*;

d) Prioritization (high or low) (Part VII.F.2.c.);

e) Receiving waterbody name and class (mapped in accordance with Part IV.D.1.e.ii.a));

f) Receiving waterbody WI/PWL Segment ID (mapped in accordance with Part IV.D.1.e.ii.b));

g) Contact information;

h) Responsible department;

i) Location of SWPPP (if high priority; when completed);

j) Type of activities present on site;

k) Size of facility (acres);

l) Date of last assessment;

m) *BMPs* identified; and

n) Projected date of next comprehensive site assessment (Part VII.F.2.d.ii.c) or Part VII.F.2.e.ii.c), depending on the *municipal facility* prioritization (Part VII.F.2.c.)).

ii. Annually, the *MS4 Operator* must update the inventory if new *municipal* facilities are added.

c. *Municipal Facility* Prioritization

i. Within three (3) years of the EDC, the *MS4 Operator* must prioritize all known *municipal* facilities as follows:

a) High priority *municipal* facilities include *municipal* facilities that have one or more of the following on site and exposed to *stormwater*:

i) Storage of chemicals, salt, petroleum, pesticides, fertilizers, anti-freeze, lead-acid batteries, tires, waste/debris;

ii) Fueling stations; and/or

iii) Vehicle or equipment maintenance/repair.

b) Low priority *municipal* facilities include any *municipal* facilities that do not meet the criteria for a high priority (Part VII.F.2.c.i.a)) *municipal facility*.

c) High priority *municipal* facilities (Part IV.F.2.c.i.a)) which qualify for a *No Exposure* Certification (Part VII.F.1.a.ii.) are low priority *municipal* facilities.

ii. Within thirty (30) days of when a *municipal facility* is added to the inventory, the *MS4 Operator* must prioritize those *municipal* facilities; and

iii. Annually, after the initial prioritization (Part VII.F.2.c.i.), the *MS4 Operator* must update the *municipal facility* prioritization in the inventory (Part VII.F.2.b.i.) based on information gathered as part of the *municipal facility* program (Part VII.F.2.a.), including cases where a *No Exposure* Certification (Part VII.F.1.a.ii.) ceases to apply. The completion of this permit requirement must be documented in the *SWMP Plan*.

d. High Priority *Municipal Facility* Requirements

i. Municipal Facility Specific SWPPP

Within five (5) years of the EDC, *MS4 Operators* must *develop* and implement a *municipal facility* specific SWPPP for each high priority *municipal facility* (Part VII.F.2.c.i.a)) and retain a copy of the *municipal facility* specific SWPPP on site of the respective *municipal facility*. The SWPPP must contain:

a) *Stormwater* Pollution Prevention Team

The *municipal facility* specific SWPPP must identify the individuals (by name and/or title) and their role/responsibilities in *developing*, implementing, maintaining, and revising the *municipal facility* specific SWPPP. The activities and responsibilities of the team must address all aspects of the *municipal facility* specific SWPPP.

b) General Site Description

A written description of the nature of the activities occurring at the *municipal facility* with a potential to *discharge pollutants*, type of *pollutants* expected, and location of key features as detailed in the site map (Part VII.F.2.d.i.e)).

c) Summary of potential *pollutant* sources

The *municipal facility* specific SWPPP must identify each area at the *municipal facility* where materials or activities are exposed to *stormwater* or from which authorized non-*stormwater discharges* (Part I.A.3.) originate, including any potential *pollutant* sources for which the *municipal facility* has reporting requirements under the Emergency Planning and Community Right-To-Know Act (EPCRA), Section 313.

i) Materials or activities include: machinery; raw materials; intermediate products; byproducts; final products or waste products; and material handling activities which includes storage, loading and unloading, transportation or conveyance of any raw material, intermediate product, final product or waste product.

ii) For each separate area identified, the description must include:

(a) Activities - A list of the activities occurring in the area (e.g., material storage, equipment fueling and cleaning);

(b) *Pollutants* - A list of the associated *pollutant(s)* for each activity. The *pollutant(s)* list must include all materials that are exposed to *stormwater*; and

(c) Potential for presence in *stormwater* - For each area of the *municipal facility* that generates *stormwater discharges,* a prediction of the direction of flow, and the likelihood of the activity to contaminate the *stormwater discharge*. Factors to consider include the toxicity of chemicals, quantity of chemicals used, produced or *discharge*d, the likelihood of contact with *stormwater*; and history of leaks or spills of toxic or hazardous *pollutants*.

d) Spills and Releases

For areas that are exposed to precipitation or that otherwise drain to a *stormwater* conveyance to be covered under this *SPDES* general permit, the *municipal facility* specific SWPPP must include a list of spills or releases[61] of petroleum and hazardous substances or other *pollutants*, including unauthorized *non-stormwater discharges,* that may adversely affect water quality that occurred during the last three-year period. The list must be updated when spills or releases occur.

e) Site Map

The *municipal facility* specific SWPPP must include a site map identifying the following, as applicable:

i) Property boundaries and size in acres;

[61] This may also include releases of petroleum or hazardous substances that are not in excess of reporting quantities but which may still cause or contribute to significant water quality impairment.

ii) Location and extent of significant structures (including materials shelters), and impervious surfaces;

iii) Monitoring locations (mapped in accordance with Part IV.D.2.a.i.) with its approximate *sewershed*. Each monitoring location must be labeled with the monitoring location identification;

iv) Location of all post-construction *SMPs* (mapped in accordance with Part IV.D.2.a.iv.) and *MS4* infrastructure (mapped in accordance with Part IV.D.2.b.i.);

v) Locations of *discharges* authorized under other *SPDES* permits;

vi) Locations where potential spills or releases can contribute to *pollutants* in *stormwater discharges* and their accompanying drainage points;

vii) Locations of haul and access roads;

viii) Rail cars and tracks;

ix) Arrows showing direction of *stormwater* flow;

x) Location of all receiving waters in the immediate vicinity of the *municipal facility*, indicating if any of the waters are impaired and, if so, whether the waters have *TMDLs* established for them (mapped in accordance with Part IV.D.1.e.ii.);

xi) Locations where *stormwater* flows have significant potential to cause erosion;

xii) Location and source of run-on from adjacent property containing significant quantities of *pollutants* and/or volume of concern to the *municipal facility*; and

xiii) Locations of the following areas where such areas are exposed to precipitation or *stormwater*:

(a) Fueling stations;
(b) Vehicle and equipment maintenance and/or cleaning areas;
(c) Loading/unloading areas;
(d) Locations used for the treatment, storage or disposal of wastes;
(e) Liquid storage tanks;
(f) Processing and storage areas;
(g) Locations where significant materials, fuel or chemicals are stored and transferred;
(h) Locations where vehicles and/or machinery are stored when not in use
(i) Transfer areas for substances in bulk;
(j) Location and description of non-*stormwater discharges* (Part I.A.3.);

(k) Locations where spills[62] or leaks have occurred; and
(l) Locations of all existing structural *BMP*s.

f) *Stormwater Best Management Practices (BMPs)*

The *municipal facility* specific SWPPP must document the location and type of *BMPs* implemented at the *municipal facility* (Part VII.F.1). The *municipal facility* specific SWPPP must describe how each *BMP* is being implemented for all the potential *pollutant* sources.

g) *Municipal facility* assessments
The *municipal facility* specific SWPPP must include a schedule for completing and recording results of routine and comprehensive site assessments (Part VII.F.2.d.ii.c)).

ii. Municipal Facility Assessments

a) Wet Weather Visual Monitoring

i) Once every five (5) years, the *MS4 Operator* must conduct wet weather visual monitoring of the monitoring locations (Part VII.C.1.b.) and other sites of *stormwater* leaving the site that are *discharging stormwater* from fueling areas, storage areas, vehicle and equipment maintenance/fueling areas, material handling areas and similar potential *pollutant* generating areas (Part VII.F.2.d.i.e)xiii)).

(a) All samples must be collected from *discharges* resulting from a *qualifying storm event*. The storm event must be documented using the Storm Event Data Form (Appendix D) and kept with the *municipal facility* specific SWPPP. The sample must be taken during the first thirty (30) minutes (or as soon as practical, but not to exceed one hour) of the *discharge* at the monitoring location.

(b) No analytical tests are required to be performed on the samples for the purpose of meeting the visual monitoring requirements.

(c) The visual examination must document observations of color, odor, clarity, floating solids, settled solids, suspended solids, foam, oil sheen, and any other obvious indicators of *stormwater* pollution.

(d) The visual examination of the sample must be conducted in a well-lit area.

(e) Where practicable, the same individual should carry out the collection and examination of *discharges* for the entire permit term for consistency.

[62] A spill includes: any spill of a hazardous substance that must be reported in accordance with 6 NYCRR 597.4 and any spill of petroleum that must be reported in accordance with 6 NYCRR 613.6 or 17 NYCRR 32.3.

(f) The *MS4 Operator* must document the visual examination using the Visual Monitoring Form (Appendix D) and keep it with the *municipal facility* specific SWPPP to record:

(i) Monitoring location ID;

(ii) Examination date and time;

(iii) Personnel conducting the examination;

(iv) Nature of the *discharge* (runoff or snowmelt);

(v) Visual quality of the *stormwater discharge* including observations of color, odor, clarity, floating solids, settled solids, suspended solids, foam, oil sheen, and other obvious indicators of *stormwater* pollution; and

(vi) Probable sources of any observed *stormwater* contamination.

(vii) Corrective and follow up actions – If the visual examination indicates the presence of color, odor, floating solids, settled solids, suspended solids, foam, oil sheen, or other indicators of *stormwater* pollution, the *MS4 Operator* must, at minimum, complete and document the following actions:

(1) Evaluate the facility for potential sources;

(2) Remedy the problems identified;

(3) Revise the *municipal facility* specific SWPPP; and

(4) Perform an additional visual inspection during the first *qualifying storm event* following implementation of the corrective action. If the first *qualifying storm event* does not occur until the next visual monitoring period, this follow up action may be used as the next visual inspection.

b) The monitoring locations inspection and sampling program must be implemented at the *municipal facility* (Part VII.C.1.e.).

c) Comprehensive Site Assessments

i) Once every five (5) years following the most recent assessment, the *MS4 Operator* must complete a comprehensive site assessment for each high priority *municipal facility* as identified in the inventory (Part VII.F.2.b.) using the Municipal Facility Assessment Form (Appendix D) or an equivalent form containing the same information, and document in the *municipal facility* specific SWPPP and *SWMP Plan* that:

(a) The *municipal facility* is in compliance with the terms and conditions of this *SPDES* general permit;

(b) Deficiencies were identified and all reasonable steps will be taken to minimize any *discharge* in violation of the permit, which has a reasonable likelihood of adversely affecting human health or the environment;

(i) Within twenty-four (24) hours, the *MS4 Operator* must prepare a schedule that includes corrective actions and specific interim milestones to be implemented until the corrective action is implemented; or

(c) Deficiencies were identified and all reasonable steps will be taken to minimize any *discharge* in violation of the permit, which does not have a reasonable likelihood of adversely affecting human health or the environment;

(i) Within seven (7) days, the *MS4 Operator* must prepare a schedule that includes corrective actions and specific interim milestones to be implemented until the corrective action is implemented.

e. Low Priority *Municipal Facility* Requirements

i. The *MS4 Operator* must identify procedures outlining *BMPs* for the types of activities that occur at the low priority *municipal* facilities as described in Part VII.F.1. A *municipal facility* specific SWPPP is not required.

ii. *Municipal Facility* Assessments

a) Low priority *municipal* facilities are not required to conduct wet weather visual monitoring.

b) The monitoring locations inspection and sampling program must be implemented at the *municipal facility* (Part VII.C.1.e.).

c) Comprehensive Site Assessments

i) Once every five (5) years following the most recent assessment, the *MS4 Operator* must complete a comprehensive site assessment for each low priority *municipal facility* as identified in the inventory (Part VII.F.2.b.) using the Municipal Facility Assessment Form (Appendix D) or an equivalent form containing the same information, and document in the *SWMP Plan* that:

(a) The *municipal facility* is in compliance with the terms and conditions of this *SPDES* general permit;

(b) Deficiencies were identified and all reasonable steps will be taken to minimize any *discharge* in violation of the permit, which has a reasonable likelihood of adversely affecting human health or the environment;

(i) Within twenty-four (24) hours, the *MS4 Operator* must prepare a schedule that includes corrective actions and specific interim milestones to be implemented until the corrective action is implemented; or

(c) Deficiencies were identified and all reasonable steps will be to minimize any *discharge* in violation of the permit, which does not have a reasonable likelihood of adversely affecting human health or the environment;

(i) Within seven (7) days, the *MS4 Operator* must prepare a schedule that includes corrective actions and specific interim milestones to be implemented until the corrective action is implemented.

3. *Municipal Operations* & Maintenance

a. *Municipal Operations* Program

Municipal operations are: street and bridge maintenance; winter road maintenance; *MS4* maintenance; open space maintenance; solid waste management; new construction and land disturbances; right-of-way maintenance; marine operations; or hydrologic habitat modification.

Within three (3) years of the EDC, the *MS4 Operator* must *develop* and implement a *municipal operations* program. The *municipal operations* program must be documented in the *SWMP Plan* specifying:

i. The *municipal operations* procedures including:
   a) The *BMPs* (Part VII.F.1.) incorporated into the *municipal operations* program;
   b) The *municipal operations* corrective actions requirements (Part VII.F.3.b.);
   c) *Catch basin* inspection and maintenance requirements (Part VII.F.3.c.);
   d) Roads, bridges, parking lots, and right of way maintenance requirements (Part VII.F.3.d.); and
   e) All other *municipal operations* maintenance requirements.

ii. The training provisions for the *MS4 Operator*'s *municipal operations* procedures (Part VII.F.3.a.i.).
   a) If new staff are added, training on the *MS4 Operator*'s *municipal operations* procedures (Part VII.F.3.a.i.) must be given prior to conducting *municipal operations* procedures;
   b) For existing staff, training on the *MS4 Operator*'s *municipal operations* procedures (Part VII.F.3.a.i.) must be given prior to conducting

municipal operations procedures and once every five (5) years, thereafter; and

c) If the *municipal operations* procedures (Part VII.F.3.a.i.) are updated (Part VII.F.3.a.iv.), training on the updates must be given to all staff prior to conducting *municipal operations* procedures.

iii. The names, titles, and contact information for the individuals who have received *municipal operations* training and update annually; and

iv. Annually, by April 1, the *MS4 Operator* must:

a) Review and update the *municipal operations* procedures (Part VII.F.3.a.i.); and

b) Document the completion of this requirement in the *SWMP Plan*.

b. *Municipal Operations* Corrective Actions

i. For *municipal operations*, *MS4 Operators* must either:

a) Ensure compliance with the terms and conditions of this *SPDES* general permit; or

b) Implement corrective actions according to the following schedule and, after implementation, ensure the operations are in compliance with the terms and conditions of this *SPDES* general permit:

i) Within twenty-four (24) hours of discovery for situations that have a reasonable likelihood of adversely affecting human health or the environment;

ii) Initiated within seven (7) days of inspection and completed within thirty (30) days of inspection for situations that do not have a reasonable likelihood of adversely affecting human health or the environment; and

iii) For corrective actions that require special funding or construction that will take longer than thirty (30) days to complete, a schedule must be prepared that specifies interim milestones that will ensure compliance in the shortest reasonable time.

c. *Catch Basin* Inspection and Maintenance

Within three (3) years of the EDC, the MS4 Operator must:

i. Identify when *catch basin* inspection is needed with consideration for:

a) Areas with *construction activities* (mapped in accordance with Part IV.D.2.a.iii.);

b) Residential, commercial, and industrial areas (mapped in accordance with Part IV.D.1.d.iii.);

c) Recurring or history of issues; or

d) Confirmed citizen complaints on three or more separate occasions in the last twelve (12) months.

ii. Inventory *catch basin* inspection information including:

a) Date of inspection;

b) Approximate level of trash, sediment, and/or debris captured at time of clean-out (no trash, sediment, and/or debris, <50% of the depth of the *sump*, >50% of the depth of the *sump*);

c) Depth of structure;

d) Depth of *sump*; and

e) Date of clean out, if applicable (Part VII.F.3.c.iii.).

iii. Based on inspection results, clean out *catch basins* within the following timeframes:

a) Within six (6) months after the *catch basin* inspection, *catch basins* which had trash, sediment, and/or debris exceeding 50% of the depth of the *sump* as a result of a *catch basin* inspection must be cleaned out;

b) Within one (1) year after the *catch basin* inspection, *catch basins* which had trash, sediment, and/or debris at less than 50% of the depth of the *sump* as a result of a *catch basin* inspection must be cleaned out; and

c) MS4 Operators are not required to clean out *catch basins* if the *catch basins* are operating properly and:

i. There is no trash, sediment, and/or debris in the *catch basin*; or

ii. The *sump* depth of the *catch basin* is less than or equal to two (2) feet.

iv. Properly manage (handling and disposal) materials removed from *catch basins* during clean out so that:

a) Water removed during the *catch basin* cleaning process will not reenter the *MS4* or *surface waters of the State*;

b) Material removed from *catch basins* is disposed of in accordance with any applicable environmental laws and regulations; and

c) Material removed during the *catch basin* cleaning process will not reenter the *MS4* or *surface waters of the State*.

v. Determine if there are signs/evidence of *illicit discharges* and procedures for referral/follow-up if *illicit discharges* are encountered.

d. Roads, Bridges, Parking Lots, & Right of Way Maintenance

i. Sweeping

Within six (6) months of the EDC, the *MS4 Operator* must *develop* and implement procedures for sweeping and/or cleaning *municipal* streets, bridges, parking lots, and right of ways owned/operated by the *MS4 Operator*. The procedures and completion of permit requirements must be documented in the *SWMP Plan* specifying:

a) All roads, bridges, parking lots, and right of ways must be swept and/or cleaned once every five (5) years in the spring (following winter activities such as sanding). This requirement is not applicable to:

   i) Uncurbed roads with no *catch basins*;

   ii) High-speed limited access highways; or

   iii) Roads defined as interstates, freeways and expressways, or arterials by the United States Department of Transportation, Federal Highway Administration, Highway Functional Classification Concepts, Criteria and Procedures, 2013.

b) Annually, from April 1 through October 31, roads in business and commercial areas must be swept. This requirement is not applicable to:

   i) Uncurbed roads with no *catch basins*;

   ii) High-speed limited access highways; or

   iii) Roads defined as interstates, freeways and expressways, or arterials by the USDOT 2013.

ii. Maintenance

Within five (5) years of the EDC, in addition to the *BMPs* (Part VII.F.1.), the *MS4 Operator* must implement the following provisions:

a) Pave, mark, and seal in dry conditions;

b) Stage road operations and maintenance activity (e.g., patching, potholes) to reduce the potential discharge of pollutants to the *MS4* or *surface waters of the State*;

c) Restrict the use of herbicides/pesticide application to roadside vegetation; and

d) Contain *pollutants* associated with bridge maintenance activities (e.g., paint chips, dust, cleaning products, other debris).

iii. Winter Road Maintenance

Within five (5) years of the EDC, in addition to the *BMPs* (Part VII.F.1.), the *MS4 Operator* must implement the following provisions:

a) Routinely calibrate equipment to control salt/sand application rates; and

b) Ensure that routine snow disposal activities comply with the Division of Water Technical and Operation Guidance Series 5.1.11, Snow Disposal.[63]

[63] The Division of Water Technical and Operation Guidance Series 5.1.11, Snow Disposal can be found on the Department's website.

Part VIII. Enhanced Requirements for Impaired Waters

Part VIII. requirements must be implemented in addition to the applicable requirements of the six (6) MCMs in Part VI. or Part VII, depending on the *MS4 Operator* type. Part VIII. requirements apply in the *sewersheds* which *discharge* to waters impaired for phosphorus, silt/sediment, pathogens, nitrogen, or floatables (Appendix C). *MS4 outfalls* are in the *automatically designated area*. *ADA MS4 outfalls* are in the *additionally designated area* subject to Criterion 3 of the Additional Designation Criteria (Appendix B).

MS4 Operator's subject to Part VIII. that implement pollutant specific *BMPs* after the EDC but prior to *MS4* infrastructure and *sewershed* mapping can use those *BMPs* to satisfy the permit requirements in this section.

The Part VIII. requirements, applicable to the *POC*, must be incorporated in the *MS4 Operator*'s *SWMP* and *SWMP Plan*.

A. *Pollutant* Specific BMPs for Phosphorus

Part VIII.A. must be implemented for all phosphorus impaired waters listed in Appendix C.

1. Mapping

In accordance with the timeframes listed below, the *MS4 Operator* must update, in geographic information system (GIS) format with a scale of 1:24,000 or finer, the comprehensive system mapping (Part IV.D.) to include:

a. Within three (3) years of the EDC, *MS4* infrastructure mapping requirements (Part IV.D.2.b.i.) and *sewersheds* for each:
   i. *MS4 outfall;* and
   ii. *ADA MS4 outfall.*
b. Within three (3) years of the EDC, the following information for each *MS4 outfall*:
   i. Retail and wholesale plant nurseries (including big box stores);
   ii. Commercial lawn care facilities; and
   iii. Golf courses.
c. Within three (3) years of the EDC, *ADA MS4 outfalls.*

2. Public Education and Outreach

a. Within six (6) months of the EDC, the *MS4 Operator* must make available information on how the impairment is being addressed by implementation of the MS4 Operator's local law or legal mechanism with content equivalent to the model local law (Part IV.E.1 and Part IV.E.2.). *MS4 Operators* must document the completion of this requirement in the *SWMP Plan*.

b. Following the completion of Part VIII.A.1, twice a year, once from March to August and once from September to February, the *MS4 Operator* must provide educational messages with information specific to phosphorus to the applicable target audiences within the *sewersheds* for impaired waters listed in Appendix C focus area, identified in Part VI.A.1.b. or Part VII.A.1.b, depending on the MS4 Operator type. The *SWMP Plan* must be updated with changes made to public education and outreach program (Part VI.A or Part VII.A, depending on the *MS4 Operator* type). *MS4 Operators* must document the completion of this requirement in the *SWMP Plan*.

3. Public Involvement/Participation

No additional requirements.

4. *Illicit Discharge* Detection and Elimination

Following the completion of Part VIII.A.1, within five (5) years of the EDC, the MS4 Operator must include on the *MS4 outfall* inventory (Part VI.C.1.c. or Part VII.C.1.c, depending on the MS4 Operator type) the number of each item identified in Part VIII.A.1.b. for each associated *MS4 outfall*.

5. Construction Site *Stormwater* Runoff Control

For Following the completion of Part VIII.A.1, high priority construction sites must be inspected during active construction after the pre-construction meeting (Part VI.D.7. or Part VII.D.7, depending on the *MS4 Operator* type).

a. If the *MS4 Operator* is completing the inspection, the construction site must be inspected every ninety (90) days; or

b. If the *MS4 Operator* utilizes the *qualified inspector's* weekly inspection reports, as required by the CGP, to satisfy this requirement, the *MS4 Operator* must inspect the construction site once every six (6) months, or sooner if any deficiencies are noted that require attention.

MS4 Operators must document the construction site inspections in the *SWMP Plan*.

6. Post-Construction *Stormwater* Management

No additional requirements.

7. Pollution Prevention and Good Housekeeping

Following the completion of Part VIII.A.1:

a. Annually, from April 1 through October 31, all streets located in *sewersheds discharging* to phosphorus impaired segments must be swept. *MS4 Operators* must document the completion of this requirement in the *SWMP Plan*. This requirement is not applicable to:

   i. Uncurbed roads with no *catch basins*;

ii. High-speed limited access highways; or

iii. Roads defined as interstates, freeways and expressways, or arterials by the United States Department of Transportation, Federal Highway Administration, Highway Functional Classification Concepts, Criteria and Procedures, 2013.

b. Within six (6) months of *MS4 outfall* inspection, the *MS4 Operator* must initiate actions to repair all *MS4 outfall* protection and/or bank stability problems identified during the inspection. Repairs must be completed in accordance with the NYS E&SC 2016. *MS4 Operators* must document the completion of this requirement in the *SWMP Plan*.

8. Planned Upgrades to *Municipal Facilities* in *Sewersheds* to Impaired Waters

Incorporate, where feasible,[64] cost-effective runoff reduction techniques[65] during planned *municipal* upgrades including *municipal* right of ways (e.g., bioswales, green streets, porous pavement, replacement of closed drainage with grass swales, replacement of the existing islands in the parking lots with bioretention or curb cuts to route the flow through below-grade infiltration areas or other low-cost improvements that provide runoff treatment or reduction).

B. *Pollutant* Specific BMPs for Silt/Sediment

Part VIII.B. must be implemented for all silt/sediment impaired waters listed in Appendix C.

1. Mapping

In accordance with the timeframes listed below, the *MS4 Operator* must update, in geographic information system (GIS) format with a scale of 1:24,000 or finer, the comprehensive system mapping (Part IV.D.) to include:

a. Within three (3) years of the EDC, *MS4* infrastructure mapping requirements (Part IV.D.2.b.i.) and *sewersheds* for each:

i. *MS4 outfall;* and

ii. *ADA MS4 outfall.*

b. Within three (3) years of the EDC, facilities with *SPDES* permit coverage under the MSGP with *stormwater discharges* applicable under Sector C, E, L, or J with facility contact.

c. Within three (3) years of the EDC, *ADA MS4 outfalls.*

[64] Consideration of feasibility should include type of land use or *municipal operation*, suitability of soils, presence of utilities, potential for exacerbating existing contamination problems, safety issues, maintenance requirements, and expected lifespans of available technologies.

[65] Runoff reduction techniques can be found in Chapters 4 and 5 of the NYS SWMDM 2015.

2. Public Education and Outreach

a. Within six (6) months of the EDC, the *MS4 Operator* must make available information on how the impairment is being addressed by implementation of the MS4 Operator's local law or legal mechanism with content equivalent to the model local law (Part IV.E.1 and Part IV.E.2.). *MS4 Operators* must document the completion of this requirement in the *SWMP Plan*.

b. Following the completion of Part VIII.B.1, each year of active construction, the *MS4 Operator* must educate individuals involved in *construction activity* (e.g., contractor, subcontractor, qualified inspector, SWPPP reviewers) within the *sewershed* boundary on the use of post-construction *SMPs* that are intended to collect and separate silt and sediment debris from *stormwater* before *discharging* to waters of the State (e.g., sediment forebays) as detailed in the NYS SWMDM 2015. *MS4 Operators* must document the completion of this requirement in the *SWMP Plan*.

3. Public Involvement/Participation

No additional requirements.

4. *Illicit Discharge* Detection and Elimination

Following the completion of Part VIII.B.1, within five (5) years of the EDC, the MS4 Operator must include on the *MS4 outfall* inventory (Part VI.C.1.c. or Part VII.C.1.c, depending on the MS4 Operator type) the number of each item identified in Part VIII.B.1.b. for each associated *MS4 outfall*.

5. Construction Site *Stormwater* Runoff Control

Following the completion of Part VIII.B.1, high priority construction sites must be inspected during active construction after the pre-construction meeting (Part VI.D.7. or Part VII.D.7, depending on the *MS4 Operator* type).

a. If the *MS4 Operator* is completing the inspection, the construction site must be inspected every ninety (90) days; or

b. If the *MS4 Operator* utilizes the *qualified inspector's* weekly inspection reports, as required by the CGP, to satisfy this requirement, the *MS4 Operator* must inspect the construction site once every six (6) months, or sooner if any deficiencies are noted that require attention.

MS4 Operators must document the construction site inspections in the *SWMP Plan*.

6. Post-Construction *Stormwater* Management

No additional requirements.

7. Pollution Prevention and Good Housekeeping

Following the completion of Part VIII.B.1:

a. Annually, from April 1 through October 31, all streets located in *sewersheds discharging* to silt/sediment impaired segments must be swept. *MS4 Operators* must document the completion of this requirement in the *SWMP Plan*. This requirement is not applicable to:

   i. Uncurbed roads with no *catch basins*;

   ii. High-speed limited access highways; or

   iii. Roads defined as interstates, freeways and expressways, or arterials by the United States Department of Transportation, Federal Highway Administration, Highway Functional Classification Concepts, Criteria and Procedures, 2013.

b. For areas within the *sewershed* that are compacted, poorly drained, contain areas of exposed soil, or nutrient deficient, the *MS4 Operator* must:

   i. Refer to Section 4 of the NYS E&SC 2016 for Soil Stabilization practices, and follow BMP procedures; and

   ii. *Develop* and implement procedures for watering and maintenance of implemented BMPs appropriate to establish root and vegetative cover, utilizing products which provide critical support to vegetation and soil stabilization.

   MS4 Operators must document the completion of this requirement in the *SWMP Plan*.

c. Within six (6) months of *MS4 outfall* inspection, the *MS4 Operator* must initiate actions to repair all *MS4 outfall* protection and/or bank stability problems identified during the inspection. Repairs must be completed in accordance with the NYS E&SC 2016. *MS4 Operators* must document the completion of this requirement in the *SWMP Plan*.

8. Planned Upgrades to *Municipal Facilities* in *Sewersheds* to Impaired Waters

Incorporate, where feasible,[66] cost-effective runoff reduction techniques[67] during planned *municipal* upgrades including *municipal* right of ways (e.g., bioswales, green streets, porous pavement, replacement of closed drainage with grass swales, replacement of the existing islands in the parking lots with bioretention or curb cuts to route the flow through below-grade infiltration areas or other low-cost improvements that provide runoff treatment or reduction).

[66] Consideration of feasibility should include type of land use or *municipal operation*, suitability of soils, presence of utilities, potential for exacerbating existing contamination problems, safety issues, maintenance requirements, and expected lifespans of available technologies.

[67] Runoff reduction techniques can be found in Chapters 4 and 5 of the NYS SWMDM 2015.

C. *Pollutant* Specific BMPs for Pathogens

Part VIII.C. must be implemented for all pathogen impaired waters listed in Appendix C.

1. Mapping

In accordance with the timeframes listed below, the *MS4 Operator* must update, in geographic information system (GIS) format with a scale of 1:24,000 or finer, the comprehensive system mapping (Part IV.D.) to include:

a. Within three (3) years of the EDC, *MS4* infrastructure mapping requirements (Part IV.D.2.b.i.) and *sewersheds* for each:

   i. *MS4 outfall;* and

   ii. *ADA MS4 outfall.*

b. Within three (3) years of the EDC, the following information for each *MS4 outfall*:

   i. Areas with a history of sanitary sewer overflows;

   ii. Waterfowl congregation areas on *municipal* property or right of way;

   iii. Areas where pets/domestic animals may frequent (i.e., public trails, dog parks, and zoos); and

   iv. Waste disposal areas (e.g., active landfills, transfer stations).

c. Within three (3) years of the EDC, *ADA MS4 outfalls.*

2. Public Education and Outreach

a. Within six (6) months of the EDC, the *MS4 Operator* must make available information on any how the impairment is being addressed by implementation of the MS4 Operator's local law or legal mechanism with content equivalent to the model local law (Part IV.E.1 and Part IV.E.2.). *MS4 Operators* must document the completion of this requirement in the *SWMP Plan*.

b. Following the completion of Part VIII.C.1, twice a year, once from March to August and once from September to February, the *MS4 Operator* must provide educational messages with information specific to pathogens to the applicable target audiences within the *sewersheds* for impaired waters listed in Appendix C focus area, identified in Part VI.A.1.b. or Part VII.A.1.b, depending on the MS4 Operator type. The *SWMP Plan* must be updated with changes made to public education and outreach program (Part VI.A. or Part VII.A, depending on the *MS4 Operator* type). *MS4 Operators* must document the completion of this requirement in the *SWMP Plan*.

3. Public Involvement/Participation

No additional requirements.

4. *Illicit Discharge* Detection and Elimination

Following the completion of Part VIII.C.1, within five (5) years of the EDC, the MS4 Operator must include on the *MS4 outfall* inventory (Part VI.C.1.c. or Part VII.C.1.c, depending on the MS4 Operator type) the number of each item identified in Part VIII.C.1.b. for each associated *MS4 outfall*.

5. Construction Site *Stormwater* Runoff Control

No additional requirements.

6. Post-Construction *Stormwater* Management

No additional requirements.

7. Pollution Prevention and Good Housekeeping

Following the completion of Part VIII.C.1:

a. *Infrastructure Maintenance*

i. Annually, from April 1 through October 31, all streets located in *sewersheds discharging* to pathogen impaired segments must be swept. *MS4 Operators* must document the completion of this requirement in the *SWMP Plan*. This requirement is not applicable to:

a) Uncurbed roads with no *catch basins*;

b) High-speed limited access highways; or

c) Roads defined as interstates, freeways and expressways, or arterials by the United States Department of Transportation, Federal Highway Administration, Highway Functional Classification Concepts, Criteria and Procedures, 2013.

ii. Within six (6) months of *MS4 outfall* inspection, the *MS4 Operator* must initiate actions to repair all *MS4 outfall* protection and/or bank stability problems identified during the inspection. Repairs must be completed in accordance with the NYS E&SC 2016. *MS4 Operators* must document the completion of this requirement in the *SWMP Plan*.

b. *Wildlife Control*

i. Within six (6) months of the EDC, the *MS4 Operator* must identify *municipal facilities* with nuisance bird populations that have the potential to contribute pathogens (e.g., Canada Geese) and document those *municipal facilities* in the *SWMP Plan*.

ii. Within six (6) months of the EDC, signage must be available at these municipal facilities, instructing the public not to feed wildlife. *MS4 Operators* must document the completion of this requirement in the *SWMP Plan*.

iii. Within six (6) months of the EDC, the *MS4 Operator* must remove accumulated trash and debris from *municipal* facilities when necessary to

eliminate potential food sources for wildlife. *MS4 Operators* must document the completion of this requirement in the *SWMP Plan*.

iv. Within one (1) year of the EDC, *MS4 Operators* must evaluate the effectiveness of deterrents, population controls, and other measures that may reduce bird related pathogen contributions and document the results of the evaluation in the *SWMP Plan*.

c. Animal Waste Control

Within one (1) year of the EDC, the *MS4 Operator* must make dog waste receptacles available in areas where pets/domestic animals may frequent (e.g., public trails, dog parks). *MS4 Operators* must document the completion of this requirement in the *SWMP Plan*.

8. Planned Upgrades to *Municipal Facilities* in *Sewersheds* to Impaired Waters

Incorporate, where feasible,[68] cost-effective runoff reduction techniques[69] during planned *municipal* upgrades including *municipal* right of ways (e.g., bioswales, green streets, porous pavement, replacement of closed drainage with grass swales, replacement of the existing islands in the parking lots with bioretention or curb cuts to route the flow through below-grade infiltration areas or other low-cost improvements that provide runoff treatment or reduction).

D. *Pollutant* Specific BMPs for Nitrogen

Part VIII.D. must be implemented for all nitrogen impaired waters listed in Appendix C.

1. Mapping

In accordance with the timeframes listed below, the *MS4 Operator* must update, in geographic information system (GIS) format with a scale of 1:24,000 or finer, the comprehensive system mapping (Part IV.D.) to include:

a. Within three (3) years of the EDC, *MS4* infrastructure mapping requirements (Part IV.D.2.b.i.) and *sewersheds* for each:

i. *MS4 outfall;* and

ii. *ADA MS4 outfall.*

b. Within three (3) years of the EDC, the following information for each *MS4 outfall*:

i. Retail and wholesale plant nurseries (including big box stores);

ii. Commercial lawn care facilities; and

[68] Consideration of feasibility should include type of land use or *municipal operation*, suitability of soils, presence of utilities, potential for exacerbating existing contamination problems, safety issues, maintenance requirements, and expected lifespans of available technologies.

[69] Runoff reduction techniques can be found in Chapters 4 and 5 of the NYS SWMDM 2015.

iii. Golf courses.

c. Within three (3) years of the EDC, *ADA MS4 outfalls.*

2. Public Education and Outreach

a. Within six (6) months of the EDC, the *MS4 Operator* must make available information on any how the impairment is being addressed by implementation of the MS4 Operator's local law or legal mechanism with content equivalent to the model local law (Part IV.E.1 and Part IV.E.2.). *MS4 Operators* must document the completion of this requirement in the *SWMP Plan*.

b. Following the completion of Part VIII.D.1, twice a year, once from March to August and once from September to February, the *MS4 Operator* must provide educational messages with information specific to nitrogen to the applicable target audiences within the *sewersheds* for impaired waters listed in Appendix C focus area, identified in Part VI.A.1.b. or Part VII.A.1.b, depending on the MS4 Operator type. The *SWMP Plan* must be updated with changes made to public education and outreach program (Part VI.A or Part VII.A, depending on the *MS4 Operator* type). *MS4 Operators* must document the completion of this requirement in the *SWMP Plan*.

3. Public Involvement/Participation

No additional requirements.

4. *Illicit Discharge* Detection and Elimination

Following the completion of Part VIII.D.1 , within five (5) years of the EDC, the MS4 Operator must include on the *MS4 outfall* inventory (Part VI.C.1.c. or Part VII.C.1.c, depending on the MS4 Operator type) the number of each item identified in Part VIII.D.1.b for each associated *MS4 outfall*.

5. Construction Site *Stormwater* Runoff Control

Following the completion of Part VIII.D.1, high priority construction sites must be inspected during active construction after the pre-construction meeting (Part VI.D.7. or Part VII.D.7, depending on the *MS4 Operator* type).

a. If the *MS4 Operator* is completing the inspection, the construction site must be inspected every ninety (90) days; or

b. If the *MS4 Operator* utilizes the *qualified inspector's* weekly inspection reports, as required by the CGP, to satisfy this requirement, the *MS4 Operator* must inspect the construction site once every six (6) months, or sooner if any deficiencies are noted that require attention.

MS4 Operators must document the construction site inspections in the *SWMP Plan*.

6. Post-Construction *Stormwater* Management

No additional requirements.

7. Pollution Prevention and Good Housekeeping

Following the completion of Part VIII.D.1:

a. Annually, from April 1 through October 31, all streets located in *sewersheds discharging* to nitrogen impaired segments must be swept. *MS4 Operators* must document the completion of this requirement in the *SWMP Plan*. This requirement is not applicable to:

   i. Uncurbed roads with no *catch basins*;

   ii. High-speed limited access highways; or

   iii. Roads defined as interstates, freeways and expressways, or arterials by the United States Department of Transportation, Federal Highway Administration, Highway Functional Classification Concepts, Criteria and Procedures, 2013.

b. Within six (6) months of *MS4 outfall* inspection, the *MS4 Operator* must initiate actions to repair all *MS4 outfall* protection and/or bank stability problems identified during the inspection. Repairs must be completed in accordance with the NYS E&SC 2016. *MS4 Operators* must document the completion of this requirement in the *SWMP Plan*.

8. Planned Upgrades to *Municipal Facilities* in *Sewersheds* to Impaired Waters

Incorporate, where feasible,[70] cost-effective runoff reduction techniques[71] during planned *municipal* upgrades including *municipal* right of ways (e.g., bioswales, green streets, porous pavement, replacement of closed drainage with grass swales, replacement of the existing islands in the parking lots with bioretention or curb cuts to route the flow through below-grade infiltration areas or other low-cost improvements that provide runoff treatment or reduction).

E. *Pollutant* Specific BMPs for Floatables

Part VIII.E. must be implemented for all floatable impaired waters listed in Appendix C.

1. Mapping

In accordance with the timeframes listed below, the *MS4 Operator* must update, in geographic information system (GIS) format with a scale of 1:24,000 or finer, the comprehensive system mapping (Part IV.D.) to include:

a. Within three (3) years of the EDC, *MS4* infrastructure mapping requirements (Part IV.D.2.b.i.) and *sewersheds* for each:

[70] Consideration of feasibility should include type of land use or *municipal operation*, suitability of soils, presence of utilities, potential for exacerbating existing contamination problems, safety issues, maintenance requirements, and expected lifespans of available technologies.

[71] Runoff reduction techniques can be found in Chapters 4 and 5 of the NYS SWMDM 2015.

i. *MS4 outfall;* and

ii. *ADA MS4 outfall.*

b. Within three (3) years of the EDC, *ADA MS4 outfalls.*

2. Public Education and Outreach

a. Within six (6) months of the EDC, the *MS4 Operator* must make available information on any how the impairment is being addressed by implementation of the MS4 Operator's local law or legal mechanism with content equivalent to the model local law (Part IV.E.1 and Part IV.E.2.). *MS4 Operators* must document the completion of this requirement in the *SWMP Plan*.

b. Following the completion of Part VIII.E.1, twice a year, once from March to August and once from September to February, the *MS4 Operator* must provide educational messages with information specific to floatables to the applicable target audiences within the *sewersheds* for impaired waters listed in Appendix C focus area, identified in Part VI.A.1.b. or Part VII.A.1.b, depending on the MS4 Operator type. The *SWMP Plan* must be updated with changes made to public education and outreach program (Part VI.A or Part VII.A, depending on the *MS4 Operator* type). *MS4 Operators* must document the completion of this requirement in the *SWMP Plan*.

3. Public Involvement/Participation

No additional requirements.

4. *Illicit Discharge* Detection and Elimination

No additional requirements.

5. Construction Site *Stormwater* Runoff Control

No additional requirements.

6. Post-Construction *Stormwater* Management

No additional requirements.

7. Pollution Prevention and Good Housekeeping

Following completion of Part VIII.E.1:

a. Annually, from April 1 through October 31, all streets located in *sewersheds discharging* to floatables impaired segments must be swept. *MS4 Operators* must document the completion of this requirement in the *SWMP Plan*. This requirement is not applicable to:

i. Uncurbed roads with no *catch basins*;

ii. High-speed limited access highways; or

iii. Roads defined as interstates, freeways and expressways, or arterials by the United States Department of Transportation, Federal Highway Administration, Highway Functional Classification Concepts, Criteria and Procedures, 2013.

b. Within six (6) months of *MS4 outfall* inspection, the *MS4 Operator* must initiate actions to repair all *MS4 outfall* protection and/or bank stability problems identified during the inspection. Repairs must be completed in accordance with the NYS E&SC 2016. *MS4 Operators* must document the completion of this requirement in the *SWMP Plan*.

8. Planned Upgrades to *Municipal Facilities* in *Sewersheds* to Impaired Waters

Incorporate, where feasible,[72] cost-effective runoff reduction techniques[73] during planned *municipal* upgrades including *municipal* right of ways (e.g., bioswales, green streets, porous pavement, replacement of closed drainage with grass swales, replacement of the existing islands in the parking lots with bioretention or curb cuts to route the flow through below-grade infiltration areas or other low-cost improvements that provide runoff treatment or reduction).

[72] Consideration of feasibility should include type of land use or *municipal operation*, suitability of soils, presence of utilities, potential for exacerbating existing contamination problems, safety issues, maintenance requirements, and expected lifespans of available technologies.

[73] Runoff reduction techniques can be found in Chapters 4 and 5 of the NYS SWMDM 2015.

Part IX. Watershed Improvement Strategy Requirements for TMDL Implementation

Part IX. requirements must be implemented in addition to the applicable requirements of the six (6) MCMs in Part VI. or Part VII, depending on the *MS4 Operator* type. Part IX. requirements apply in the watersheds where the *Department* developed implementation plans for which USEPA has approved a TMDL (Table 3). Finalized TMDL implementation plans referenced in this Part are incorporated into and enforceable under this *SPDES* general permit.

MS4 Operator's subject to Part IX. that implement TMDL specific *BMPs* after the EDC but prior to *MS4* infrastructure and *sewershed* mapping can use those *BMPs* to satisfy the permit requirements in this section.

The Part IX. requirements must be incorporated in the *MS4 Operator*'s *SWMP* and *SWMP Plan*.

A. NYC East of Hudson Phosphorus Impaired Watershed *MS4*s

Table 4. Phosphorus Impaired Watershed(s)			
Areas where requirements apply	**New York City East of Hudson (EOH)**		
EPA Approved TMDL	*Phase II Phosphorus TMDLs for Reservoirs in the NYC Watershed, June 2000*	*Total Maximum Daily Load (TMDL) for Phosphorus in Lake Carmel, October 2016*	*Total Maximum Daily Load (TMDL) for Phosphorus in Palmer Lake,[2] March 2015*
Implementation Plan	Croton Watershed Phase II TMDL Implementation Plan (January 2009)		
POC	Phosphorus		
Area where requirements Apply	NYC EOH Watershed		
Achievement of *Pollutant* Load Reduction	Continued *retrofit* implementation to achieve the pollutant load reduction specified in that Phase II Implementation Plan		

MS4 Operators located within the watersheds listed in Table 4 must *develop* and implement the following phosphorus-specific *BMPs* in addition to the Croton Watershed Phase II TMDL Implementation Plan (January 2009) and the applicable requirements in Part VI. or Part VII, depending on the *MS4 Operator* type.

1. Mapping

In accordance with the timeframes listed below, the *MS4 Operator* must update, in geographic information system (GIS) format with a scale of 1:24,000 or finer, the comprehensive system mapping (Part IV.D.) to include:

a. Within three (3) years of the EDC, areas with potential to contribute phosphorus to the TMDL waterbody, which include:
   i. Retail and wholesale plant nurseries (including big box stores);
   ii. Commercial lawn care facilities;
   iii. Golf courses;
   iv. Commercial or industrial yard waste storage areas (e.g., yard waste composting and disposal areas); and
   v. *MS4* infrastructure with a history of issues (e.g., clogged infrastructure, infiltration and inflow (I/I)).

b. Within three (3) years of the EDC, the following information for all post-construction *SMPs* as identified in the post-construction *SMP* inventory (Part VI.E.2. or Part VII.E.2, depending on the *MS4 Operator* type):
   i. Type;[74] and
   ii. Ownership.

2. Public Education and Outreach on *Stormwater* Impacts

a. Within six (6) months of the EDC, the *MS4 Operator* must make available information on how the impairment is being addressed by implementation of the MS4 Operator's local law or legal mechanism with content equivalent to the model local law (Part IV.E.1 and Part IV.E.2.). *MS4 Operators* must document the completion of this requirement in the *SWMP Plan*.

b. Following the completion of Part IX.A.1, twice a year, once from March to August and once from September to February, the *MS4 Operator* must provide educational messages with information specific to phosphorus to the applicable target audiences within the TMDL watershed focus area, identified in Part VI.A.1.b. or Part VII.A.1.b, depending on the MS4 Operator type. The *SWMP Plan* must be updated with changes made to public education and outreach program (Part VI.A. or Part VII.A, depending on the *MS4 Operator* type). *MS4 Operators* must document the completion of this requirement in the *SWMP Plan*.

3. Public Involvement/Participation

No additional requirements.

[74] Post-construction *SMP* types are defined in the New York State Department of Environmental Conservation Maintenance Guidance: Stormwater Management Practices, March 31, 2017 (NYS DEC Maintenance Guidance 2017).

4. *Illicit Discharge* Detection and Elimination

a. Inventory of Potential Phosphorus Sources

Following the completion of Part IX.A.1, within five (5) years of the EDC, the MS4 Operator must include on the *MS4 outfall* inventory (Part VI.C.1.c. or Part VII.C.1.c, depending on the MS4 Operator type) the number of each item identified in Part IX.A.1.a. for each associated *MS4 outfall*.

b. On-site wastewater systems

The *MS4 Operator* must *develop*, implement, and enforce a program that ensures on-site wastewater systems (i.e., septic tanks, cesspools, absorption fields or distribution systems) are properly operated and do not contribute *pollutants* to the *MS4*. To ensure this, the *MS4 Operator* must:

i. Once every five (5) years, ensure that residential septic tanks/cesspools are pumped out and system components (i.e., septic tanks, cesspools and installed absorption field) are inspected;

ii. Ensure the following information is collected and document the completion of this requirement in the *SWMP Plan*:

   a) Individual performing inspection;

   b) Inspection date;

   c) Address;

   d) Location of system on property; and

   e) Evidence of failed systems.

iii. Refer failures to the appropriate agency to ensure corrective actions are taken; and

iv. Eliminate *illicit discharges* from on-site wastewater systems to the *MS4* in accordance with the time frames specified in Part VI.C.3. or Part VII.C.3, depending on the *MS4 Operator* type.

5. Construction Site *Stormwater* Runoff Control

a. The *MS4 Operator* must include construction projects that disturb between 5000 square feet (sf) and one (1) acre in the construction site runoff control program as described in Part VI.D. or Part VII.D, depending on the *MS4 Operator* type. Construction projects meeting this threshold are low priority construction sites.

b. The legal authority used to satisfy Part IV.E.2.b. must include the following language:

"Land activity is defined as *construction activity* including clearing, grading, excavating, soil disturbance or placement of fill that results in land disturbance of equal to or greater than 5000 sf and activities disturbing less

than 5000 sf of total land area that are part of a *larger common plan of development or sale* and will occur under one plan."

c. High priority construction sites must be inspected during active construction after the pre-construction meeting (Part VI.D.7. or Part VII.D.7, depending on the *MS4 Operator* type).

   i. If the *MS4 Operator* is completing the inspection, the construction site must be inspected every ninety (90) days; or

   ii. If the *MS4 Operator* utilizes the *qualified inspector's* weekly inspection reports, as required by the CGP, to satisfy this requirement, the *MS4 Operator* must inspect the construction site once every six (6) months, or sooner if any deficiencies are noted that require attention.

MS4 Operators must document the construction site inspections in the *SWMP Plan*.

6. Post-Construction *Stormwater* Management

a. The *MS4 Operator* must require the use of the Enhanced Phosphorus Removal design standards contained in Chapter 10 of the NYS SWMDM 2015 for all new development and redevelopment projects that disturb greater than or equal to one (1) acre and construction projects less than one acre that are part of a larger common plan of development or sale.

b. The legal authority used to satisfy Part IV.E. must also meet the following provisions:

   Land development activities requiring water quantity and quality controls (post-construction *stormwater* runoff controls) must include: "Single-family home construction located in the NYC East of Hudson watershed" and "Single-family residential subdivisions located in the NYC East of Hudson watershed."

c. Requirements for SWPPPs that include post-construction *stormwater* controls must include: "Post-construction *SMPs* in the SWPPP must be designed in conformance with Chapter 10 of the NYS SWMDM 2015 for Enhanced Phosphorus Removal Design Standards."

d. Performance Standards must include the following enhanced stabilization requirements: "For construction sites located in the NYC East of Hudson watershed, where soil disturbance activity has temporarily or permanently ceased, the application of soil stabilization measures must be initiated by the end of the next business day and completed within seven (7) days from the date the current soil disturbance activity ceased. The soil stabilization measures selected must be in conformance with the NYS E&SC 2016."

e. Inspections of land development activities during construction must include requirements for a *qualified inspector* to conduct two (2) site inspections every seven (7) calendar days for single-family homes, and single-family residential, subdivisions within the NYC East of Hudson watersheds.

f. *Retrofit* program

i. All *MS4 Operators* identified within the Croton Watershed Phase II TMDL Implementation Plan, January 2009, must continue to implement the *retrofit* program according to the following schedule:

a) Within one (1) year of the EDC, the *MS4 Operator* must submit to the *Department* a *retrofit* plan that identifies the following:

i) Project name;

ii) Location;

iii) Proposed *retrofit* type;

iv) Anticipated date for construction;

v) Estimated phosphorus reduction (using the criteria in the Croton Watershed Phase II TMDL Implementation Plan, January 2009); and

vi) Estimated total phosphorus reduction for all projects demonstrating they will meet the reduction specified in the Croton Watershed Phase II TMDL Implementation Plan, January 2009.

b) Within five (5) years of the EDC, all *retrofit* projects must be constructed to achieve the five (5) year phosphorus reduction assigned to the *MS4 Operator*, as required by the Croton Watershed Phase II TMDL Implementation Plan, January 2009.

ii. Annually, by December 31, *MS4 Operators* (or *RSE* representing *MS4 Operators* as described in Part III.B.2.b.) must submit to the *Department* any changes made to the *retrofit* plan including the information in Part IX.A.6.e.i.

iii. *MS4 Operators* must document the retrofit program in the *SWMP Plan* specifying:

a) Progress on *retrofit* projects already commenced; and

b) Identification of *retrofit* projects for the upcoming construction season; and

c) Certification that completed retrofit projects have been constructed in accordance with the *retrofit* plans.

7. Pollution Prevention/Good Housekeeping

a. Twice a year, once from March to August and once from September to February, all *catch basins* located in the TMDL watershed(s) must be inspected (Part VI.F.3.c. or Part VII.F.3.c, depending on the MS4 Operator type). *MS4 Operators* must document the completion of this requirement in the *SWMP Plan*.

b. Following the completion of Part IX.A.1, annually, from April 1 through October 31, all streets located in the TMDL watershed(s) must be swept. *MS4 Operators* must document the completion of this requirement in the *SWMP Plan*. This requirement is not applicable to:

   i. Uncurbed roads with no *catch basins*;

   ii. High-speed limited access highways;

   iii. Roads defined as interstates, freeways and expressways, or arterials by the United States Department of Transportation, Federal Highway Administration, Highway Functional Classification Concepts, Criteria and Procedures, 2013.

c. Within six (6) months of *MS4 outfall* inspection, the *MS4 Operator* must initiate actions to repair all *MS4 outfall* protection and/or bank stability problems identified during the inspection. Repairs must be completed in accordance with the NYS E&SC 2016. *MS4 Operators* must document the completion of this requirement in the *SWMP Plan.* Within thirty (30) days of inspection, the *MS4 Operator* must initiate all necessary maintenance and repair activities discovered for *municipally* owned or operated post-construction *SMPs*. *MS4 Operators* must document the completion of this requirement in the *SWMP Plan*.

8. Planned Upgrades to *Municipal Facilities* in Watersheds to Impaired Waters

Incorporate, where feasible,[75] cost-effective runoff reduction techniques[76] during planned *municipal* upgrades including *municipal* right of ways (e.g., bioswales, green streets, porous pavement, replacement of closed drainage with grass swales, replacement of the existing islands in the parking lots with bioretention or curb cuts to route the flow through below-grade infiltration areas or other low-cost improvements that provide runoff treatment or reduction).

[75] Consideration of feasibility should include type of land use or *municipal operation*, suitability of soils, presence of utilities, potential for exacerbating existing contamination problems, safety issues, maintenance requirements, and expected lifespans of available technologies.

[76] Runoff reduction techniques can be found in Chapters 4 and 5 of the NYS SWMDM 2015.

B. Other Phosphorus Impaired Watershed *MS4*s

Table 5. Other Phosphorus Impaired Watersheds			
Area where Requirements Apply	**Greenwood Lake**	**Onondaga Lake**	**Oscawana Lake**
EPA Approved TMDL	*Impaired Waters Restoration Plan for Greenwood Lake – Total Maximum Daily Load for Total Phosphorus, Sept 2005*	*Updated Phosphorus Total Maximum Daily Load for Onondaga Lake, June 2012*	*Total Maximum Daily Load (TMDL) for Phosphorus in Lake Oscawana, September 2008*
Implementation Plan	Greenwood Lake Watershed Phosphorus TMDL Implementation Plan, October 2019	None	None
POC	Phosphorus		
Achievement of *Pollutant* Load Reduction	In accordance with Implementation Plan	In accordance with approved TMDL	In accordance with approved TMDL

MS4 Operators located in the watersheds listed in Table 5 must *develop* and implement the following phosphorus-specific *BMPs* in addition to the applicable Implementation Plan and applicable requirements in Part VI. or Part VII, depending on the *MS4* Operator type:

1. Mapping

In accordance with the timeframes listed below, the *MS4 Operator* must update, in geographic information system (GIS) format with a scale of 1:24,000 or finer, the comprehensive system mapping (Part IV.D.) to include:

a. Within three (3) years of the EDC, include areas with potential to contribute phosphorus to the TMDL waterbody, which include:

   i. Retail and wholesale plant nurseries (including big box stores);

   ii. Commercial lawn care facilities;

   iii. Golf courses; and

   iv. Commercial or industrial yard waste storage areas (e.g., yard waste composting and disposal areas).

b. Within three (3) years of the EDC, include the following information for all post-construction *SMPs* as identified in the post-construction *SMP* inventory (Part VI.E.2. or Part VII.E.2, depending on the *MS4 Operator* type):

i. Type[77]; and

ii. Ownership.

2. Public Education and Outreach on Stormwater Impacts

a. Within six (6) months of the EDC, the *MS4 Operator* must make available information on any how the impairment is being addressed by implementation of the MS4 Operator's local law or legal mechanism with content equivalent to the model local law (Part IV.E.1 and Part IV.E.2.). *MS4 Operators* must document the completion of this requirement in the *SWMP Plan*.

b. Following the completion of Part IX.B.1, twice a year, once from March to August and once from September to February, the *MS4 Operator* must provide educational messages with information specific to phosphorus to the applicable target audiences within the TMDL watershed focus area, identified in Part VI.A.1.b. or Part VII.A.1.b, depending on the MS4 Operator type. The *SWMP Plan* must be updated with changes made to public education and outreach program (Part VI.A. or Part VII.A, depending on the *MS4 Operator* type). *MS4 Operators* must document the completion of this requirement in the *SWMP Plan*.

c. Twice a permit term, separated by a minimum of one (1) year, the *MS4 Operator* must educate residential on-site wastewater system users on the on-site wastewater inspection program described in Part IX.B.4.c and proper maintenance practices. The *SWMP Plan* must be updated with changes made to public education and outreach program (Part VI.A or Part VII.A, depending on the *MS4 Operator* type). *MS4 Operators* must document the completion of this requirement in the *SWMP Plan*.

3. Public Involvement/Participation

No additional requirements.

4. *Illicit Discharge* Detection and Elimination

a. Inventory of Potential Phosphorus Sources

Following the completion of Part IX.B.1, within five (5) years of the EDC, the MS4 Operator must include on the *MS4 outfall* inventory (Part VI.C.1.c. or Part VII.C.1.c, depending on the MS4 Operator type) the number of each item identified in Part VIII.B.1.a. for each associated MS4 outfall.

b. On-site wastewater systems

The *MS4 Operator* (with the exclusion of *MS4 Operators* located in the Onondaga Lake watershed) must *develop*, implement, and enforce a program that ensures residential on-site wastewater systems (i.e., septic tanks,

[77] Post-construction *SMP* types are defined in the New York State Department of Environmental Conservation Maintenance Guidance: Stormwater Management Practices, March 31, 2017 (NYS DEC Maintenance Guidance 2017).

cesspools, absorption fields or distribution systems) are properly operated and do not contribute *pollutants* to the *MS4*. The *MS4 Operator* must:

i. Once every five (5) years, ensure that residential septic tanks/cesspools are pumped out and system components (i.e., septic tanks, cesspools and installed absorption field) are inspected;

ii. Ensure the following information is collected and document the completion of this requirement in the *SWMP Plan*:

a) Individual performing inspection;

b) Inspection date;

c) Address;

d) Location of system on property;

e) Inspection rating (pass/fail);

f) Evidence of failed systems;

iii. Refer failures to the appropriate agency to ensure corrective actions are taken; and

iv. Eliminate *illicit discharges* from on-site wastewater systems to the *MS4* in accordance with the time frames specified in Part VI.C.3. or Part VII.C.3, depending on the *MS4 Operator* type.

5. Construction Site *Stormwater* Runoff Control

High priority construction sites must be inspected during active construction after the pre-construction meeting (Part VI.D.7. or Part VII.D.7, depending on the *MS4 Operator* type).

a. If the *MS4 Operator* is completing the inspection, the construction site must be inspected every ninety (90) days; or

b. If the *MS4 Operator* utilizes the *qualified inspector's* weekly inspection reports, as required by the CGP, to satisfy this requirement, the *MS4 Operator* must inspect the construction site once every six (6) months, or sooner if any deficiencies are noted that require attention.

MS4 Operators must document the construction site inspections in the *SWMP Plan*.

6. Post Construction *Stormwater* Management

a. The *MS4 Operator* must require the use of the Enhanced Phosphorus Removal design standards contained in Chapter 10 of the NYS SWMDM 2015 for all new development and redevelopment projects within the listed watersheds.

b. The legal authority used to satisfy Part IV.E.2.b. must also include the following language requiring the use of the Enhanced Phosphorus Removal

Design Standards in accordance with the NYS SWMDM 2015 for the applicable watershed:

"Land development activities requiring water quantity and quality controls (post-construction *stormwater* runoff controls) must include: "Single-family home construction located in the <insert watershed name> watershed" and "Single-family residential subdivisions located in the <insert watershed name> watershed."

c. Requirements for SWPPPs that include post-construction *stormwater* controls must include: "Post-construction *SMPs* in the SWPPP must be designed in conformance with the Enhanced Phosphorus Removal Design Standards in the NYS SWMDM 2015."

d. Performance Standards must include the following enhanced stabilization requirements: "Where soil disturbance activity has temporarily or permanently ceased, the construction site is located in the *<insert watershed name>* watershed, the application of soil stabilization measures must be initiated by the end of the next business day and completed within seven (7) days from the date the current soil disturbance activity ceased. The soil stabilization measures selected must be in conformance with the Erosion Control Manual."

e. Inspections of land development activities during construction must include requirements for a *qualified inspector* to conduct two (2) site inspections every seven (7) calendar days for single-family homes and subdivisions within the *<insert watershed name>* watersheds.

f. *Retrofit* program

   i. All *MS4 Operators* identified within the Greenwood Lake Watershed Phosphorus TMDL Implementation Plan, October 2019, must continue to implement the *retrofit* program according to the following schedule:

      a) Within one (1) year of the EDC, the *MS4 Operator* must submit to the *Department* a *retrofit* plan that identifies the following:

         i) Project name;

         ii) Location;

         iii) Proposed *retrofit* type;

         iv) Anticipated date for construction;

         v) Estimated phosphorus reduction (using the criteria in the Greenwood Lake Watershed Phosphorus TMDL Implementation Plan, October 2019); and

         vi) Estimated total phosphorus reduction for all projects demonstrating they will meet the reduction specified in the Greenwood Lake Watershed Phosphorus TMDL Implementation Plan, October 2019.

      b) Within five (5) years of the EDC, all *retrofit* projects must be constructed to achieve the five (5) year phosphorus reduction assigned

to the *MS4 Operator*, as required by the Greenwood Lake Watershed Phosphorus TMDL Implementation Plan, October 2019.

ii. Annually, by December 31, *MS4 Operators* (or *RSE* representing *MS4 Operators* as described in Part III.B.2.b.) must submit to the *Department* any changes made to the *retrofit* plan including the information in Part IX.A.6.e.i.

iii. *MS4 Operators* must document the retrofit program in the *SWMP Plan* specifying:

a) Progress on *retrofit* projects already commenced; and

b) Identification of *retrofit* projects for the upcoming construction season; and

c) Certification that completed retrofit projects have been constructed in accordance with the *retrofit* plans.

7. Pollution Prevention/Good Housekeeping

Following the completion of Part IX.B.1:

a. Annually, from April 1 through October 31, all streets located in the TMDL watershed(s) must be swept. *MS4 Operators* must document the completion of this requirement in the *SWMP Plan*. This requirement is not applicable to:

i. Uncurbed roads with no *catch basins*;

ii. High-speed limited access highways; or

iii. Roads defined as interstates, freeways and expressways, or arterials by the United States Department of Transportation, Federal Highway Administration, Highway Functional Classification Concepts, Criteria and Procedures, 2013.

b. Within six (6) months of *MS4 outfall* inspection, the *MS4 Operator* must initiate actions to repair all *MS4 outfall* protection and/or bank stability problems identified during the inspection. Repairs must be completed in accordance with the NYS E&SC 2016. *MS4 Operators* must document the completion of this requirement in the *SWMP Plan*.

c. Within thirty (30) days of inspection, the *MS4 Operator* must initiate all necessary maintenance and repair activities discovered for *municipally* owned or operated post-construction *SMPs*. *MS4 Operators* must document the completion of this requirement in the *SWMP Plan*.

8. Planned Upgrades to *Municipal Facilities* in Watersheds to Impaired Waters

Incorporate, where feasible,[78] cost-effective runoff reduction techniques[79] during planned *municipal* upgrades including *municipal* right of ways (e.g., bioswales, green streets, porous pavement, replacement of closed drainage with grass swales, replacement of the existing islands in the parking lots with bioretention or curb cuts to route the flow through below-grade infiltration areas or other low-cost improvements that provide runoff treatment or reduction).

C. Pathogen Impaired Watersheds *MS4*s

No Pathogen TMDL requirements.

D. Nitrogen Impaired Watershed *MS4*s

Table 6. Nitrogen Impaired Watershed(s)	
Area where Requirements Apply	**Peconic**
EPA Approved TMDL	*TMDL for Nitrogen in the Peconic Estuary Program Study Area, Including Waterbodies Currently Impaired Due to Low Dissolved Oxygen: the Lower Peconic River and Tidal Tributaries; Western Flanders Bay and Lower Sawmill Creek; and Meetinghouse Creek, Terry Creek and Tributaries (September 2007)*
Implementation Plan	*TMDL for Nitrogen in the Peconic Estuary Program Study Area, Including Waterbodies Currently Impaired Due to Low Dissolved Oxygen: the Lower Peconic River and Tidal Tributaries; Western Flanders Bay and Lower Sawmill Creek; and Meetinghouse Creek, Terry Creek and Tributaries (September 2007)*
POC	Nitrogen
Pollutant Load Reduction	In accordance with approved TMDL
Waterbodies	Terrys Creek & Tributaries
	Meetinghouse Creek
	Western Flanders Bay & Lower Sawmill Creek
	Lower Peconic River and tidal tributaries

[78] Consideration of feasibility should include type of land use or *municipal operation*, suitability of soils, presence of utilities, potential for exacerbating existing contamination problems, safety issues, maintenance requirements, and expected lifespans of available technologies.

[79] Runoff reduction techniques can be found in Chapters 4 and 5 of the NYS SWMDM 2015.

MS4 Operators located in the watersheds listed in Table 6 must *develop* and implement the following nitrogen-specific *BMPs* in addition to the applicable Implementation Plan and applicable requirements in Part VI. or Part VII, depending on the *MS4 Operator* type:

1. Mapping

Within three (3) years of the EDC, the *MS4 Operator* must update, in geographic information system (GIS) format with a scale of 1:24000 or finer, the comprehensive system mapping (Part IV.D.) to include:

a. Areas with potential to contribute nitrogen to the *TMDL* waterbody, which include:

   i. Retail and wholesale plant nurseries (including big box stores);

   ii. Commercial lawn care facilities;

   iii. Golf courses; and

   iv. Commercial or Industrial yard waste storage areas (e.g., yard waste composting and disposal areas).

b. Information for all post-construction *SMPs* as identified in the post-construction *SMP* inventory (Part VI.E.2. or Part VII.E.2, depending on the *MS4 Operator* type):

   i. Type;[80] and

   ii. Ownership of *SMP*.

2. Public Education and Outreach on *Stormwater* Impacts

a. Within six (6) months of the EDC, the *MS4 Operator* must make available information on any how the impairment is being addressed by implementation of the MS4 Operator's local law or legal mechanism with content equivalent to the model local law (Part IV.E.1 and Part IV.E.2.). *MS4 Operators* must document the completion of this requirement in the *SWMP Plan*.

b. Following the completion of Part IX.D.1, twice a year, once from March to August and once from September to February, the *MS4 Operator* must provide educational messages with information specific to nitrogen to the applicable target audiences within the TMDL watershed focus area, identified in Part VI.A.1.b. or Part VII.A.1.b, depending on the MS4 Operator type. The *SWMP Plan* must be updated with changes made to public education and outreach program (Part VI.A. or Part VII.A, depending on the *MS4 Operator* type). *MS4 Operators* must document the completion of this requirement in the *SWMP Plan*.

[80] Post-construction *SMP* types are defined in the New York State Department of Environmental Conservation Maintenance Guidance: Stormwater Management Practices, March 31, 2017 (NYS DEC Maintenance Guidance 2017).

3. Public Involvement/Participation

No additional requirements.

4. *Illicit Discharge* Detection and Elimination

Following the completion of Part IX.D.1, within five (5) years of the EDC, the MS4 Operator must include on the *MS4 outfall* inventory (Part VI.C.1.c. or Part VII.C.1.c, depending on the MS4 Operator type) the number of each item identified in Part VIII.D.1.a. for each associated MS4 outfall.

5. Construction Site *Stormwater* Runoff Control

High priority construction sites must be inspected during active construction after the pre-construction meeting (Part VI.D.7. or Part VII.D.7, depending on the *MS4 Operator* type).

a. If the *MS4 Operator* is completing the inspection, the construction site must be inspected every ninety (90) days; or

b. If the *MS4 Operator* utilizes the *qualified inspector's* weekly inspection reports, as required by the CGP, to satisfy this requirement, the *MS4 Operator* must inspect the construction site once every six (6) months, or sooner if any deficiencies are noted that require attention.

MS4 Operators must document the construction site inspections in the *SWMP Plan*.

6. Post-Construction *Stormwater* Management

The *MS4 Operator* must ensure on-site retention of the 1-year storm or greater from new development or redevelopment projects using runoff reduction techniques[81] selected from the NYS SWMDM 2015.

7. Pollution Prevention/Good Housekeeping

Following the completion of Part IX.D.1:

a. Annually, from April 1 through October 31, all streets located in the TMDL watershed(s) must be swept. *MS4 Operators* must document the completion of this requirement in the *SWMP Plan*. This requirement is not applicable to:

   i. Uncurbed roads with no *catch basins*;

   ii. High-speed limited access highways; or

   iii. Roads defined as interstates, freeways and expressways, or arterials by the United States Department of Transportation, Federal Highway Administration, Highway Functional Classification Concepts, Criteria and Procedures, 2013.

[81] Runoff reduction techniques can be found in Chapters 4 and 5 of the NYS SWMDM 2015.

b. Within six (6) months of *MS4 outfall* inspection, the *MS4 Operator* must initiate actions to repair all *MS4 outfall* protection and/or bank stability problems identified during the inspection. Repairs must be completed in accordance with the NYS E&SC 2016. *MS4 Operators* must document the completion of this requirement in the *SWMP Plan*.

c. Within thirty (30) days of inspection, the *MS4 Operator* must initiate all necessary maintenance and repair activities discovered for *municipally* owned or operated post-construction *SMPs*. *MS4 Operators* must document the completion of this requirement in the *SWMP Plan*.

8. Planned Upgrades to *Municipal Facilities* in Watersheds to Impaired Waters

Incorporate, where feasible,[82] cost-effective runoff reduction techniques[68] during planned *municipal* upgrades including *municipal* right of ways (e.g., bioswales, green streets, porous pavement, replacement of closed drainage with grass swales, replacement of the existing islands in the parking lots with bioretention or curb cuts to route the flow through below-grade infiltration areas or other low-cost improvements that provide runoff treatment or reduction).

[82] Consideration of feasibility should include type of land use or *municipal operation*, suitability of soils, presence of utilities, potential for exacerbating existing contamination problems, safety issues, maintenance requirements, and expected lifespans of available technologies.

Part X. Standard Permit Conditions

For the purposes of this *SPDES* general permit, examples of contractors and subcontractors include:

A. Duty to Comply

The owner/operator, and all contractors or subcontractors, must comply with all terms and conditions of this *SPDES* general permit. Any non-compliance with the terms and conditions of this *SPDES* general permit constitutes a violation of the New York State Environmental Conservation Law, and its implementing regulations, and is grounds for enforcement action. Filing of a request for transfer or termination of coverage under this *SPDES* general permit, or a notification of planned changes or anticipated non-compliance, does not limit, diminish or stay compliance with any terms and conditions of this *SPDES* general permit.

B. Need to Halt or Reduce Activity is Not a Defense

The necessity to halt or reduce the activity regulated by this *SPDES* general permit, in order to maintain compliance with the conditions of this *SPDES* general permit, shall not be a defense in an enforcement action.

C. Penalties

There are substantial criminal, civil, and administrative penalties associated with violating the terms and conditions of this *SPDES* general permit. Fines of up to $37,500 per day for each violation and imprisonment for up to fifteen (15) years may be assessed depending upon the nature and degree of the offense.

D. False Statements

Any person who knowingly makes any false material statement, representation, or certification in any application, record, report or other document filed or required to be maintained under this *SPDES* general permit, including monitoring reports or reports of compliance or noncompliance shall, upon conviction, be punished in accordance with New York State Environmental Conservation Law §71-1933 and or New York State Penal Law Articles 175 and 210.

E. Reopener Clause

Upon issuance of this *SPDES* general permit, a determination has been made on the basis of a submitted Notice of Intent, plans, or other available information, that compliance with the specified general permit terms and conditions will reasonably protect classified water use and assure compliance with applicable *water quality standards*. Satisfaction of the conditions of this *SPDES* general permit notwithstanding, if operation pursuant to this *SPDES* general permit causes or contributes to a condition in contravention of State *water quality standards* or guidance values, or if the *Department* determines that a modification is necessary to prevent impairment of the best use of the waters or to assure maintenance of *water*

quality standards or compliance with other provisions of New York State Environmental Conservation Law Article 17 or the Clean Water Act, or any regulations adopted pursuant thereto, the *Department* may require such modification and the Commissioner may require abatement action to be taken by the owner/operator and may also prohibit such operation until the modification has been implemented.

F. Duty to Mitigate

The owner/operator, and its contractors and subcontractors, shall take all reasonable steps to minimize or prevent any *discharge* in violation of this *SPDES* general permit which has a reasonable likelihood of adversely affecting human health or the environment.

G. Requiring Another General Permit or Individual *SPDES* Permit

The *Department* may require any discharger authorized to *discharge* in accordance with this *SPDES* general permit to apply for and obtain an individual *SPDES* permit or apply for authorization to *discharge* in accordance with another general permit.

(1) Cases where an individual *SPDES* permit or authorization to *discharge* in accordance with another general permit may be required include, but is not limited to the following:

(i) the discharger is not in compliance with the conditions of this *SPDES* general permit or does not meet the criteria for coverage under this *SPDES* general permit;

(ii) a change has occurred in the availability of demonstrated technology or practices for the control or abatement of *pollutants* applicable to the point source;

(iii) new effluent limitation guidelines or new source performance standards are promulgated that are applicable to point sources authorized to *discharge* in accordance with this *SPDES* general permit;

(iv) existing effluent limitation guidelines or new source performance standards that are applicable to point sources authorized to *discharge* in accordance with this *SPDES* general permit are modified;

(v) a water quality management plan containing requirements applicable to such point sources is approved by the *Department*;

(vi) circumstances have changed since the time of the request to be covered so that the discharger is no longer appropriately controlled under this *SPDES* general permit, or either a temporary or permanent reduction or elimination of the authorized *discharge* is necessary;

(vii) the *discharge* is in violation of section 17-0501 of the New York State Environmental Conservation Law;

(viii) the *discharge*(s) is a significant contributor of *pollutants*. In making this determination, the *Department* may consider the following factors:

(a) the location of the *discharge*(s) with respect to waters of New York State;
(b) the size of the *discharge*(s);
(c) the quantity and nature of the *pollutants discharged* to waters of New York State; and
(d) other relevant factors including compliance with other provisions of New York State Environmental Conservation Law Article 17, or the Clean Water Act.

(1) When the *Department* requires any discharger authorized by this *SPDES* general permit to apply for an individual *SPDES* permit as provided for in this subdivision, it shall notify the discharger in writing that a permit application is required. This notice shall include a brief statement of the reasons for this decision, an application form, a statement setting a time for the owner/operator to file the application for an individual *SPDES* permit, and a deadline, not sooner than 180 days from the owner/operator's receipt of the notification letter, whereby the authorization to discharge under this *SPDES* general permit shall be terminated. The *Department* may grant additional time upon demonstration, to the satisfaction of the Regional Water Engineer, that additional time to apply for an alternative authorization is necessary or where the *Department* has not provided a permit determination in accordance with 6 NYCRR Part 621.

(2) When an individual *SPDES* permit is issued to a discharger authorized to *discharge* under this *SPDES* general permit for the same *discharge*(s), this *SPDES* general permit authorization for outfalls authorized under the individual *SPDES* permit is automatically terminated on the effective date of the individual *SPDES* permit unless termination is earlier in accordance with 6 NYCRR Part 750.

H. Duty to Provide Information

The owner/operator shall furnish to the *Department*, within five (5) business days, unless otherwise set forth by the *Department*, any information that the *Department* may request to determine whether cause exists to determine compliance with this *SPDES* general permit or to determine whether cause exists for requiring an individual *SPDES* permit in accordance with 6 NYCRR 750-1.21l (see G. Requiring Another General Permit or Individual Permit). The owner/operator shall make available to the *Department*, for inspection and copying, or furnish to the *Department* within 25 business days of receipt of a *Department* request for such information, any information retained in accordance with this *SPDES* general permit. Where the owner/operator becomes aware that it failed to submit any relevant facts on the Notice of Intent, or submitted incorrect information in a Notice of Intent or in any report to the *Department*, the owner/operator shall promptly submit such facts or corrected information to the *Department*.

I. Extension

In the event a new *SPDES* general permit is not issued prior to the expiration of this *SPDES* general permit, and this *SPDES* general permit is extended pursuant to the State Administrative Procedure Act and 6 NYCRR Part 621, then the owner/operator

with coverage under this *SPDES* general permit may continue to operate and *discharge* in accordance with the terms and conditions of this *SPDES* general permit until a new *SPDES* general permit is issued.

J. Signatories and Certification

The Notice of Intent, Notice of Termination and reports required by this *SPDES* general permit shall be signed as provided in 40 CFR §122.22

(a) All Notices of Intent and Notices of Termination shall be signed as follows:

(1) For a corporation. By a responsible corporate officer. For the purpose of this section, a responsible corporate officer means:

(i) A president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy- or decision-making functions for the corporation, or

(ii) The manager of one or more manufacturing, production, or operating facilities, provided, the manager is authorized to make management decisions which govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for Notice of Intent or Notice of Termination requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.

Note: The *Department* does not require specific assignments or delegations of authority to responsible corporate officers identified in 40 CFR §122.22(a)(1)(i). The *Department* will presume that these responsible corporate officers have the requisite authority to sign the Notice of Intent or Notice of Termination unless the corporation has notified the *Department* to the contrary. Corporate procedures governing authority to sign a Notice of Intent or Notice of Termination may provide for assignment or delegation to applicable corporate positions under 40 CFR §122.22(a)(1)(ii) rather than to specific individuals.

(2) For a partnership or sole proprietorship. By a general partner or the proprietor, respectively; or

(3) For a *municipality*, State, Federal, or other public agency. By either a principal executive officer or ranking elected official. For purposes of this section, a principal executive officer of a Federal agency includes:

(i) The chief executive officer of the agency, or

(ii) A senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., Regional Administrators of EPA).

(b) All reports required by this *SPDES* general permit, and other information requested by the *Department* shall be signed by a person described in paragraph (a) of this section, or by a duly authorized representative of that person. A person is a duly authorized representative only if:

(1) The authorization is made in writing by a person described in (a);

(2) The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity, position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters for the company (A duly authorized representative may thus be either a named individual or any individual occupying a named position.), and

(3) The written authorization is submitted to the *Department*.

(c) Changes to authorization. If an authorization under (b) is no longer accurate because a different individual or position has responsibility for the overall operation of the facility or activity, a new authorization satisfying the requirements of (b) must be submitted to the *Department* prior to or together with any reports, information, or applications to be signed by an authorized representative.

(d) Certification. Any person signing a document under (a) or (b) shall make the following 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 gather and evaluate 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 there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

(e) Electronic reporting. If documents described in (a) or (b) are submitted electronically by or on behalf of the activity with coverage under this *SPDES* general permit, any person providing the electronic signature for such documents shall meet all relevant requirements of this section, and shall ensure that all of the relevant requirements of 40 CFR Part 3 (including, in all cases, subpart D to Part 3) (Cross-Media Electronic Reporting) and 40 CFR Part 127 (NPDES Electronic Reporting Requirements) are met for that submission.

K. Inspection & Entry

The owner/operator shall allow the *Department*, the USEPA Regional Administrator, the applicable county health department, or any authorized representatives of those entities, upon the presentation of credentials and other documents as may be required by law, to:

(a) enter upon the owner/operator's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this *SPDES* general permit;
(b) have access to and copy, at reasonable times, any records that must be kept under the conditions of this *SPDES* general permit, including records required to be maintained for purposes of operation and maintenance;
(c) inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this *SPDES* general permit;
(d) sample or monitor at reasonable times, for the purposes of assuring *SPDES* general permit compliance or as otherwise authorized by the Clean Water Act or New York State Environmental Conservation Law, any substances or parameters at any location; and
(e) enter upon the property of any contributor to the regulated facility or activity under authority of the owner/operator.

L. Confidentiality of Information

The following shall not be held confidential: this *SPDES* general permit, the fact sheet for this *SPDES* general permit, the name and address of any owner/operator, effluent data, the Notice of Intent, and information regarding the need to obtain an individual permit or an alternative general permit. This includes information submitted on forms themselves and any attachments used to supply information required by the forms (except information submitted on usage of substances). Upon the request of the owner/operator, the *Department* shall make determinations of confidentiality in accordance with 6 NYCRR Part 616, except as set forth in the previous sentence. Any information accorded confidential status shall be disclosed to the Regional Administrator upon his or her written request. Prior to disclosing such information to the Regional Administrator, the *Department* will notify the Regional Administrator of the confidential status of such information.

M. Other Permits May Be Required

Nothing in this *SPDES* general permit relieves the owner/operator from a requirement to obtain any other permits required by law.

N. Property Rights

Coverage under this *SPDES* general permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations, nor does it obviate the necessity of obtaining the assent of any other jurisdiction as required by law for the *discharge* authorized.

O. Compliance with Interstate Standards

If the activity covered by this *SPDES* general permit originates within the jurisdiction of an interstate water pollution control agency, then the activity must also comply

with any applicable effluent standards or *water quality standards* promulgated by that interstate agency and as set forth in this *SPDES* general permit for such activities.

P. Oil & Hazardous Substance Liability

Coverage under this *SPDES* general permit does not affect the imposition of responsibilities upon, or the institution of any legal action against, the owner or operator under section 311 of the Clean Water Act, which shall be in conformance with regulations promulgated pursuant to section 311 governing the applicability of section 311 of the Clean Water Act to *discharges* from facilities with NPDES permits, nor shall such issuance preclude the institution of any legal action or relieve the owner or operator from any responsibilities, liabilities, or penalties to which the owner or operator is or may be subject pursuant to the Comprehensive Environmental Response, Compensation and Liability Act of 1980, 42 U.S.C. section 9601 et seq. (CERCLA).

Q. Severability

The provisions of this *SPDES* general permit are severable, and if any provision of the permit, or the application of any provision of the permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of the permit, shall not be affected thereby.

Appendix A. Acronyms and Definitions

Acronym List

BMP – Best Management Practice

CFR – Code of Federal Regulations

CGP – SPDES General Permit for Stormwater from Construction Activities, GP-0-20-001

CWA – Clean Water Act

ECL – Environmental Conservation Law

EDC – Effective Date of Coverage

EDP– Effective Date of the Permit

eNOI – Electronic Notice of Intent

EPCRA - Emergency Planning and Community Right-To-Know Act

ERP – Enforcement Response Plan

IDDE – Illicit Discharge Detection and Elimination

MCM – Minimum Control Measure

MS4 – Municipal Separate Storm Sewer System

MS4 GP – SPDES General Permit for Stormwater Discharges from the Municipal Separate Storm Sewer Systems, GP-0-24-001

MSGP – SPDES Multi-Sector General Permit for Stormwater Discharges Associated with Industrial Activity, GP-0-23-001

NOI – Notice of Intent

NPDES – National Pollutant Discharge Elimination System

NYCRR – New York Codes, Rules and Regulations

NYS DEC – New York State Department of Environmental Conservation

O&M – Operations and Maintenance

ORI – Outfall Reconnaissance Inventory

POC – Pollutant of Concern

RSE – Regional Stormwater Entity

SPDES – State Pollutant Discharge Elimination System

SMP – Stormwater Management Practice

SWMP – Stormwater Management Program

SWMP Plan – Stormwater Management Program Plan

SWPPP – Stormwater Pollution Prevention Plan

TMDL – Total Maximum Daily Load

USEPA – United States Environmental Protection Agency

Definitions

All definitions in this section are solely for the purposes of this permit. If a word is not defined below, use it how it is commonly defined.

Additionally Designated Areas – those areas that meet the additional designation criteria, Designation Criteria for Identifying Regulated Municipal Separate Storm Sewer Systems (*MS4*s), January 2010, revised January 2023 and found in Appendix B.

Additionally Designated Area MS4 Outfall (ADA MS4 outfall) – any point of *stormwater discharge* from pipes, ditches, and swales, as well as other points of concentrated flow*,* to impaired waters listed in Appendix C from an *MS4 Operator's MS4*. Areas of *sheet flow* which drain to impaired waters listed in Appendix C are not considered *ADA MS4 outfalls.*

Automatically Designated Areas – those areas served by *MS4*s that meet the automatic designation criteria, Designation Criteria for Identifying Regulated Municipal Separate Storm Sewer Systems (*MS4*s), January 2010, revised January 2023 and found in Appendix B.

Best Management Practice (BMP) – schedules of activities, practices, and prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce the pollution of waters of the state. BMPs also include treatment requirements, operating procedures, and practices to control runoff, spillage and leaks, sludge or waste disposal, or drainage from areas that could contribute pollutants to *stormwater discharges*.

Catch Basin(s) – a cistern, vault, chamber, or well that is part of the MS4 and designed to capture trash, sediment, and/or debris in its *sump*.

Construction Activity(ies) – any clearing, grading, excavation, demolition or stockpiling activity that results in soil disturbance. Clearing activities can include but are not limited to logging equipment operation, the cutting and skidding of trees, stump removal and/or brush root removal. *Construction activity* does not include routine maintenance that is performed to maintain the original line and grade, hydraulic capacity, or original purpose of a facility.

Department – the New York State *Department* of Environmental Conservation as well as meaning the *Department*'s designated agent.

Develop (Developed) – for *MS4 Operators* continuing coverage, *develop* means to continue to implement their current SWMP and update the SWMP to comply with the permit requirement; for newly designated *MS4 Operators*, *develop* means to create that permit requirement.

Discharge (Discharging) – any addition of any pollutant to *surface waters of the State* through an outlet or point source (6 NYCRR 750-1.2(a)(28)).

Dry Weather – prolonged dry periods (at least 48 hours after the last runoff event).

Groundwater – waters in the saturated zone. The saturated zone is a subsurface zone in which all the interstices are filled with water under pressure greater than that of the atmosphere. Although the zone may contain gas-filled interstices or interstices filled with fluids other than water, it is still considered saturated.

Illicit Discharge – any *discharge* into an *MS4* that is not entirely composed of *stormwater*, except those identified in Part I.A.3. Examples of *illicit discharges* are non-permitted sanitary sewage, garage drain effluent, and waste motor oil. However, an *illicit discharge* could be any other non-permitted discharge which the *MS4 Operator* or *Department* has determined to be a substantial contributor of pollutants to the *MS4*. *Illicit discharges* can occur throughout the *MS4*, including at post-construction *SMPs*.

Industrial Activity – the eleven (11) categories of industrial activities included in the definition of "*stormwater discharges* associated with industrial activity," as defined in 40 CFR 122.26(b)(14)(i)-(ix) and (xi).

Interconnection – any point of *stormwater discharge* from pipes, ditches, and swales, as well as other points of concentrated flow*,* where the *MS4 Operator*'s *MS4* is *discharging* to another *MS4* or private storm sewer system. Areas of *sheet flow* which drain to another *MS4* or private storm sewer system are not considered *interconnections*.

Intermittent Discharge – a *discharge* which occurs over a shorter period of time (e.g., a few hours per day or a few days per year) (CWP 2004).

Larger Common Plan of Development or Sale – a contiguous area where multiple separate and distinct *construction activities* are occurring, or will occur, under one plan. The term **"**plan" in "larger common plan of development or sale" is broadly defined as any announcement or piece of documentation (including a sign, public notice or hearing, sales pitch, advertisement, drawing, permit application, State Environmental Quality Review Act Application, zoning request, computer design, etc.) or physical demarcation (including boundary signs, lot stakes, surveyor markings, etc.) indicating that *construction activities* may occur on a specific plot.

For discrete construction projects that are located within a *larger common plan of development or sale* that are at least 1/4 mile apart, each project can be treated as a separate plan of development or sale provided any interconnecting road, pipeline or utility project that is part of the same "common plan" is not concurrently being disturbed.

MS4 Operator – the person, persons, or legal entity that obtains coverage and is responsible for the *MS4*.

MS4 Outfall – any point of *stormwater discharge* from pipes, ditches, and swales, as well as other points of concentrated flow*,* to *surface waters of the State* from an *MS4 Operator's MS4*. Areas of *sheet flow* which drain to *surface waters of the State* are not considered *MS4 outfalls.*

Municipal (Municipally) – a county, town, city, village, district corporation, special improvement district, sewer authority or agency thereof. Examples of other public entities that are included in this program include State University Campuses, federal and State prisons, State and federal hospitals, Dormitory Authorities, public housing authorities, school and other special districts.

Municipal Facility – an *MS4 Operator* owned and/or operated facility with the potential to *discharge* pollutants to the *MS4* and/or *surface water of the State* of the State.

Municipal Facility Intraconnection – any point where stormwater is conveyed from the MS4 Operator's municipal facility to the MS4 Operator's own MS4. This is the most down-drainage end of the MS4 infrastructure located on the municipal facility prior to discharge to the MS4.

Municipal Operations (Operations) – activities conducted by the MS4 Operator with the potential to discharge pollutants to the *MS4* and/or *surface water of the State*.

Municipal Separate Storm Sewer System (*MS4*) – a conveyance or system of conveyances (including roads with drainage systems, *municipal* streets, *catch basins*, curbs, gutters, ditches, man-made channels, or storm drains):

1. owned or operated by a State, city, town, village, borough, county, parish, district, association, or other public body (created by or pursuant to State law) having jurisdiction over disposal of sewage, industrial wastes, *stormwater*, or other wastes, including special districts under State law such as a sewer district, flood control district or drainage district, or similar entity, or an Indian tribe or an authorized Indian tribal organization, or a designated and approved management agency under section 208 of the CWA, that *discharges* to *surface waters of the State*;
2. designed or used for collecting or conveying *stormwater*;
3. which is not a combined sewer; and
4. which is not part of a Publicly Owned Treatment Works (POTW) as defined at 40 CFR 122.2.

National Pollutant Discharge Elimination System – the national system for the issuance of wastewater and *stormwater* permits under the Federal Water Pollution Control Act (Clean Water Act).

No Exposure – all industrial materials or activities are protected by a storm-resistant shelter to prevent exposure to rain, snow, snowmelt, and/or runoff.

Non-traditional MS4 Operators– state, federal, county and other publicly owned properties such as state university campuses, prisons, office complexes, hospitals, military installations public housing authorities, school and other special districts.

Obvious Illicit Discharge –an *illicit discharge* from a flowing *MS4 outfall* that does not require sample collection for confirmation; this references the Monitoring Locations Inspection and Sampling Field Sheet, adapted from CWP 2004, Section 6: Overall Outfall Characterization.

Physical Indicator Present in the Flow – a sensory indicator present in the *discharge* from *monitoring location* including odor, color, turbidity and floatables; this references the Monitoring Locations Inspection and Sampling Field Sheet, adapted from CWP 2004, Section 4: Physical Indicators for Flowing Monitoring Locations Only.

Physical Indicator not Related to Flow – an indicator of past *discharges*, potentially *intermittent* or *transitory discharge,* including *monitoring location* damage, *monitoring location* deposits or stains, abnormal vegetation growth, poor pool quality or pipe benthic growth; this references the Monitoring Locations Inspection and Sampling Field Sheet, adapted from CWP 2004, Section 5: Physical Indicators for Both Flowing and Non-Flowing Monitoring Locations. These physical indicators can be present at both flowing and non-flowing monitoring locations.

Pollutant – dredged spoil, filter backwash, solid waste, incinerator residue, sewage, garbage, sewage sludge, munitions, chemical wastes, biological materials, radioactive materials, heat, wrecked or discarded equipment, rock, sand and industrial, *municipal*, agricultural waste and ballast *discharged* into water; which may cause or might reasonably be expected to cause pollution of the waters of the State in contravention of the standards or guidance values adopted as provided in Parts 700 et seq of this Title. For the purposes of this *SPDES* general permit, relevant pollutants include, but are not limited to, nitrogen, phosphorus, chloride, silt and sediment, pathogens, herbicides/pesticides, floatables, petroleum hydrocarbons, heavy metals, and polycyclic aromatic hydrocarbons (PAHs).

Pollutant of Concern (POC) – a pollutant causing the impairment of an impaired water segment with an approved TMDL and/or listed in Appendix C, including phosphorus, silt/sediment, pathogens, nitrogen, and floatables.

Privately Owned/Operated – not owned/operated by the *MS4 Operator* or another *MS4 Operator*.

Publicly Owned/Operated – owned/operated by the *MS4 Operator.*

Qualified Inspector – a person who is 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), Registered Landscape Architect, or other *Department* endorsed individual(s).

It can also mean someone working under the direct supervision of, and at the same company as, the licensed Professional Engineer or Registered Landscape Architect, provided that 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 the individual working under the direct

supervision of the licensed Professional Engineer or Registered Landscape Architect has received four (4) hours of *Department* endorsed training in proper erosion and sediment control principles from a Soil and Water Conservation District, or other *Department* endorsed entity. After receiving the initial training, the individual working under the direct supervision of the licensed Professional Engineer or Registered Landscape Architect must receive four (4) hours of training every three (3) years.

It can also mean a person that meets the *qualified professional* qualifications in addition to the *qualified inspector* qualifications.

Note: Inspections of any post-construction *SMPs* that include structural components, such as a dam for an impoundment, must be performed by a licensed Professional Engineer.

Qualified Professional – a person who is knowledgeable in the principles and practices of *stormwater* management and treatment, such as a licensed Professional Engineer, Registered Landscape Architect, or other *Department* endorsed individual(s). Individuals preparing SWPPPs that require the post-construction *SMP* component must have an understanding of the principles of hydrology, water quality management practice design, water quantity control design, and, in many cases, the principles of hydraulics in order to prepare a SWPPP that conforms to the *Department's* technical standard. All components of the SWPPP that involve the practice of engineering, as defined by the NYS Education Law (see Article 145), must be prepared by, or under the direct supervision of, a professional engineer licensed to practice in the State of New York.

Qualifying Storm Event – a storm event with at least 0.1 inch of precipitation, providing the interval from the preceding measurable storm is at least 72 hours. The 72-hour storm interval is waived if the preceding measurable storm did not result in a *stormwater discharge* (e.g., a storm events in excess of 0.1 inches may not result in a *stormwater discharge* at some facilities), or if the *MS4 Operator* is able to document that less than a 72-hour interval is representative for local storm events during the sampling period.

Regional Stormwater Entity (RSE) – an organization made up of multiple cooperating regulated and/or nonregulated entities located in the same geographical region of the State who share resources to improve overall *stormwater* management in their area.

Retrofit – to modify or add to existing *stormwater* infrastructure for the purpose of reducing pollutant loadings.

Sheet Flow – *stormwater* runoff flowing in a thin layer over the ground surface.

Sizing Criteria – the criteria included in the CGP that are used to size post-construction *stormwater* management control practices. The criteria include; Water Quality Volume (WQv), Runoff Reduction Volume (RRv), Channel Protection Volume (Cpv), Overbank Flood (Qp), and Extreme Flood (Qf).

State Pollutant Discharge Elimination System (SPDES) – the system established pursuant to Article 17 of the ECL and 6 NYCRR Part 750 for issuance of permits authorizing *discharges* to the waters of the State.

Stormwater – that portion of precipitation that, once having fallen to the ground, is in excess of the evaporative or infiltrative capacity of soils, or the retentive capacity of surface features, which flows or will flow off the land by surface runoff to waters of the State.

Stormwater Hotspots - a land use or activity that generates higher concentrations of hydrocarbons, trace metals or toxicants than are found in typical *stormwater* runoff, based on monitoring studies. For further detail, see Section 4.11 of the NYS SWMDM 2015.

Stormwater Management Practices (SMPs) – measures, either structural or nonstructural, that are constructed as part of new development or redevelopment projects and are intended to capture, treat, reduce and/or retain *stormwater* runoff.

Stormwater Management Program (SWMP) – the program *developed* and implemented by the *MS4 Operator* which provides a comprehensive integrated planning approach involving public participation and, where necessary, intergovernmental coordination, to reduce the *discharge* of POCs and specified pollutants to the *MEP*, using management practices, control techniques and systems, design and engineering methods, and other appropriate provisions. *MS4 Operators* are required at a minimum to *develop*, implement, and enforce a *SWMP* designed to address POCs and reduce the *discharge* of pollutants from the *MS4* to the *MEP*, to protect water quality, and to satisfy the appropriate water quality requirements of the ECL and the Clean Water Act. The *SWMP* must address all permit requirements in this *SPDES* general permit.

Stormwater Management Program Plan (SWMP Plan) – is used by the *MS4 Operator* to document and detail the activities and measures that will be implemented to meet the terms and conditions of this *SPDES* general permit. The *SWMP Plan* must be updated during the permit term as the *MS4 Operator's* activities are modified to meet permit conditions. The *SWMP Plan* can be hardcopy or digital.

Storm-sewershed (sewershed) – the catchment that drains to a waterbody based on the *MS4* and surface topography. Adjacent catchment areas that drain to the same waterbody are not separate storm-*sewersheds*.

Sump – the part of the *catch basin* between the bottom interior of the *catch basin* and the invert of the deepest outlet of the *catch basin*.

Surface Water(s) of the State – must be construed to include lakes, bays, sounds, ponds, impounding reservoirs, springs, rivers, streams, creeks, estuaries, marshes, inlets, canals, the Atlantic ocean within the territorial seas of the state of New York and all other bodies of surface water, natural or artificial, inland or coastal, fresh or salt, public or private (except those private waters that

do not combine or effect a junction with natural surface or underground waters), which are wholly or partially within or bordering the state or within its jurisdiction.

Waters of the state are further defined in 6 NYCRR Parts 800 to 941. Storm sewers are not waters of the state unless they are classified in 6 NYCRR Parts 800 to 941. Nonetheless, a *discharge* to a storm sewer must be regulated as a *discharge* at the point where the storm sewer *discharges* to waters of the state.

Suspect Illicit Discharge – an *illicit discharge* from flowing monitoring locations with high severity (score of 3) on one or more physical indicators based on the relative severity index of physical indicators for flowing *MS4 outfall*s only; this references the Monitoring Locations Inspection and Sampling Field Sheet, adapted from CWP 2004, Section 6: Overall Outfall Characterization.

Total Maximum Daily Load (TMDL) – the sum of the allowable loads of a single pollutant from all contributing point and nonpoint sources. It is a calculation of the maximum amount of a pollutant that a waterbody can receive and still meet water quality standards, and an allocation of that amount to the pollutant's sources. A TMDL stipulates Waste Load Allocations (WLA) for point source *discharges*, Load Allocations (LA) for nonpoint sources, and a margin of safety (MOS).

Traditional Land Use Control *MS4 Operators* – a city, town, or village with land use control authority.

Traditional Non-land Use Control *MS4 Operators* – any county agency without land use control.

Transitory Discharge – a *discharge* which occurs rarely, usually in response to a singular event such as an industrial spill, ruptured tank, sewer break, transport accident or illegal dumping episode (CWP 2004).

Water Quality Standard – such measures of purity or quality for any waters in relation to their reasonable and necessary use as promulgated in 6 NYCRR Part 700 et seq.

Appendix B. Designation Criteria for Identifying Regulated *Municipal Separate Storm Sewer Systems* (*MS4*s), January 2010, revised January 2023

The universe of small *municipal* separate storm sewer systems (*MS4*s) is quite large. However, only a sub-set of small *MS4*s, referred to as "regulated" small *MS4*s, are covered by the Federal *stormwater* regulations. A small *MS4* can be designated as a regulated *MS4* through *automatic designation* by the USEPA or by meeting designation criteria developed by the NPDES permitting authority, the New York State Department of Environmental Conservation (*Department*) in New York State.

Automatic Designation Criteria Required by USEPA

The USEPA's automatic designation criteria are based strictly on population and density. An area is *automatically designated* if the population is at least 50,000 and has an overall population density of at least 1,000 people per square mile based on the 2000 and 2010 censuses.

Additional Designation Criteria

The USEPA requires the *Department* to develop a set of criteria for *additionally designated areas*. The following criteria, using a combination of population and environmental factors, have been adopted to designate additional *MS4*s in NYS.

Criterion 1: *MS4*s *discharging* to waters for which an USEPA-approved Total Maximum Daily Load (TMDL) requires reduction of a *pollutant of concern* beyond what can be achieved with existing programs (and the area is not already covered under automatic designation).

Criterion 2: *MS4*s, contiguous to *automatically designated areas* (municipal lines), that *discharge* to sensitive waters classified as AA-Special (fresh surface waters), AA (fresh surface waters) with filtration avoidance determination or SA (saline surface waters).

Criterion 3: *Automatically designated areas* are extended to town, village, or city boundaries, but only for town, village or city implementation of minimum control measure 4 construction site stormwater runoff control and minimum control measure 5 post-construction stormwater management in development and redevelopment. This additional designation may be waived, by written request to the *Department*, where the *automatically designated area* is a small portion of the total area of the town, village or city (less than 15 %) and where there is little or no *construction activity* in the area outside of the *automatically designated area* (less than 5 disturbed acres per year).

Appendix C. List of Impaired Waters

NOTES FOR THE TABLE BELOW:

1. *MS4 Operators* must implement Part VIII.A. Pollutant Specific BMPs for Phosphorus for waterbodies with the pollutant listed as "phosphorus."
2. *MS4 Operators* must implement Part VIII.B. Pollutant Specific BMPs for Silt/Sediment for waterbodies with the pollutant listed as "silt/sediment."
3. *MS4 Operators* must implement Part VIII.C. Pollutant Specific BMPs for Pathogens for waterbodies with the pollutant listed as "pathogens" or "fecal coliform."
4. *MS4 Operators* must implement Part VIII.D. Pollutant Specific BMPs for Nitrogen for waterbodies with the pollutant listed as "nitrogen" or "ammonia."
5. *MS4 Operators* must implement Part VIII.E. Pollutant Specific BMPs for Floatables for waterbodies with the pollutant listed as "garbage & refuse," "oil/grease," or "oil & floating substances."

County	Waterbody Inventory/Priority Waterbody List Name (WI/PWL Number)	Pollutant
Albany	Ann Lee (Shakers) Pond, Stump Pond (1201-0096)	Phosphorus
Bronx	Bronx River, Lower (1702-0006) 18	Fecal Coliform
Bronx	Bronx River, Lower (1702-0006) 18	Garbage & Refuse
Bronx	Bronx River, Middle, and tribs (1702-0106) 18	Fecal Coliform
Bronx	Bronx River, Middle, and tribs (1702-0106) 18	Garbage & Refuse
Bronx	Hutchinson River, Lower, and tribs (1702 0003) 18	Garbage & Refuse
Bronx	Long Island Sound, Western Portion (1702-0027)	Nitrogen
Bronx	Van Cortlandt Lake (1702-0008)	Phosphorus
Bronx	Westchester Creek (1702-0012) 18	Garbage & Refuse
Broome	Minor Tribs to Lower Susquehanna (0603-0044)	Phosphorus
Chautauqua	Chadakoin River and tribs (0202-0018)	Phosphorus
Chautauqua	Lake Erie (Main Lake, South) (0105-0033)	Fecal Coliform
Chautauqua	Lake Erie, Dunkirk Harbor (0105-0009)	Fecal Coliform
Dutchess	Fallkill Creek (1301-0087)	Phosphorus
Dutchess	Wappingers Lake (1305-0001)	Phosphorus
Dutchess	Wappingers Lake (1305-0001)	Silt/Sediment
Erie	Delaware Park Pond (0101-0026)	Phosphorus
Erie	Ellicott Creek, Lower, and tribs (0102-0018)	Phosphorus
Erie	Ellicott Creek, Lower, and tribs (0102-0018)	Silt/Sediment

Erie	Green Lake (0101-0038)	Phosphorus
Erie	Lake Erie (Main Lake, North) (0104-0037)	Fecal Coliform
Erie	Lake Erie (Northeast Shoreline) (0104-0036)	Fecal Coliform
Erie	Rush Creek and tribs (0104-0018)	Fecal Coliform
Erie	Rush Creek and tribs (0104-0018)	Phosphorus
Erie	Scajaquada Creek, Lower, and tribs (0101-0023)	Fecal Coliform
Erie	Scajaquada Creek, Lower, and tribs (0101-0023)	Oils & Floating Sub.
Erie	Scajaquada Creek, Lower, and tribs (0101-0023)	Phosphorus
Erie	Scajaquada Creek, Middle, and tribs (0101-0033)	Fecal Coliform
Erie	Scajaquada Creek, Middle, and tribs (0101-0033)	Oils & Floating Sub.
Erie	Scajaquada Creek, Middle, and tribs (0101-0033)	Phosphorus
Erie	Scajaquada Creek, Upper, and tribs (0101-0034)	Fecal Coliform
Erie	Scajaquada Creek, Upper, and tribs (0101-0034)	Phosphorus
Erie	South Branch Smoke Cr, Lower, and tribs (0101-0036)	Phosphorus
Erie	South Branch Smoke Cr, Lower, and tribs (0101-0036)	Silt/Sediment
Genesee	Tonawanda Cr, Middle, Main Stem (0102-0002)	Phosphorus
Genesee	Tonawanda Cr, Middle, Main Stem (0102-0006)	Fecal Coliform
Herkimer	Mohawk River, Main Stem (1201-0093)	Fecal Coliform
Herkimer	Mohawk River, Main Stem (1201-0093)	Oils & Floating Sub.
Kings	Coney Island Creek (1701-0008) 18	Fecal Coliform
Kings	Coney Island Creek (1701-0008) 18	Garbage & Refuse
Kings	Gowanus Canal (1701 0011) 18	Garbage & Refuse
Kings	Hendrix Creek (1701-0006) 18	Fecal Coliform
Kings	Hendrix Creek (1701-0006) 18	Garbage & Refuse
Kings	Hendrix Creek (1701-0006) 18	Nitrogen
Kings	Mill Basin and tidal tribs (1701 0178) 18	Garbage & Refuse
Kings	Paerdegat Basin (1701-0363) 18	Garbage & Refuse
Kings	Prospect Park Lake (1701-0196)	Phosphorus
Monroe	Buck Pond (0301-0017)	Phosphorus
Monroe	Cranberry Pond (0301-0016)	Phosphorus

Monroe	Long Pond (0301-0015)	Phosphorus
Monroe	Minor Tribs to Irondequoit Bay (0302-0038)	Fecal Coliform
Monroe	Minor Tribs to Irondequoit Bay (0302-0038)	Phosphorus
Monroe	Rochester E–bayment - East (0302-0002)	Fecal Coliform
Monroe	Rochester E–bayment - West (0301-0068)	Fecal Coliform
Monroe	Thomas Creek/White Brook and tribs (0302-0023)	Phosphorus
Nassau	Beaver Lake (1702-0152)	Phosphorus
Nassau	Camaans Pond (1701-0052)	Phosphorus
Nassau	Cold Spring Harbor, and tidal tribs (1702-0018)	Pathogens
Nassau	Dosoris Pond (1702-0024)	Fecal Coliform
Nassau	East Bay (1701-0202)	Fecal Coliform
Nassau	East Meadow Brook, Upper, and tribs (1701-0211)	Silt/Sediment
Nassau	East Rockaway Inlet (1701-0217)	Fecal Coliform
Nassau	Glen Cove Creek, Lower, and tribs (1702-0146)	Fecal Coliform
Nassau	Glen Cove Creek, Lower, and tribs (1702-0146)	Silt/Sediment
Nassau	Grant Park Pond (1701-0054)	Phosphorus
Nassau	Hempstead Bay (1701-0032)	Fecal Coliform
Nassau	Hempstead Harbor, north, and tidal tribs (1702-0022)	Pathogens
Nassau	Hempstead Harbor, south, & tidal tribs (1702-0263)	Fecal Coliform
Nassau	Hempstead Lake (1701-0015)	Phosphorus
Nassau	Long Island Sound, Nassau County Waters (1702-0028)	Fecal Coliform
Nassau	Long Island Sound, Nassau County Waters (1702-0028)	Nitrogen
Nassau	Manhasset Bay, and tidal tribs (1702-0021)	Fecal Coliform
Nassau	Manhasset Bay, and tidal tribs (1702-0141)	Fecal Coliform
Nassau	Massapequa Creek, Upper, and tribs (1701-0174)	Fecal Coliform
Nassau	Massapequa Creek, Upper, and tribs (1701-0174)	Phosphorus
Nassau	Middle Bay (1701-0208)	Fecal Coliform
Nassau	Milburn/Parsonage Creeks, Upp, and tribs (1701-0212)	Phosphorus
Nassau	Mill Neck Creek and tidal tribs (1702-0151)	Pathogens
Nassau	Oyster Bay Harbor (1702-0016)	Pathogens
Nassau	Reynolds Channel, east (1701-0215)	Fecal Coliform

Nassau	Seafords/Seamans Creeks, Upper, and tribs (1701-0201)	Fecal Coliform
Nassau	Shell Creek and Barnums Channel (1701-0213386)	Fecal Coliform
Nassau	South Oyster Bay (1701-0041)	Fecal Coliform
Nassau	Tidal Tribs to Hempstead Bay (1701-0218)	Fecal Coliform
Nassau	Tidal Tribs to Hempstead Bay (1701-0218)	Nitrogen
Nassau	Tidal Tribs to South Oyster Bay (1701-0200)	Fecal Coliform
Nassau	Tribs (fresh) to East Bay (1701-0204)	Fecal Coliform
Nassau	Tribs (fresh) to East Bay (1701-0204)	Phosphorus
Nassau	Tribs (fresh) to East Bay (1701-0204)	Silt/Sediment
Nassau	Tribs to Smith Pond/Halls Pond (1701-0221)	Phosphorus
Nassau	Woodmere Channel (1701-0219)	Fecal Coliform
Nassau	Woodmere Channel (1701-0219)	Nitrogen
New York	East River, Lower (1702-0011) 18	Garbage & Refuse
New York	Harlem River (1702-0004) 18	Garbage & Refuse
New York	Harlem Meer (1702-0103)	Phosphorus
New York	The Lake in Central Park (1702-0105)	Phosphorus
Niagara	Bergholtz Creek and tribs (0101-0004)	Fecal Coliform
Niagara	Bergholtz Creek and tribs (0101-0004)	Phosphorus
Niagara	Hyde Park Lake (0101-0030)	Phosphorus
Oneida	Ballou, Nail Creeks (1201-0203)	Phosphorus
Oneida	Mohawk River, Main Stem (1201-0010)	Fecal Coliform
Oneida	Mohawk River, Main Stem (1201-0094)	Fecal Coliform
Oneida	Utica Harbor (1201-0228)	Fecal Coliform
Onondaga	Bloody Brook and tribs (0702 0006) 10	Fecal Coliform
Onondaga	Ley Creek and tribs (0702 0001) 10	Fecal Coliform
Onondaga	Ley Creek and tribs (0702-0001) 10	Ammonia (NH3)
Onondaga	Ley Creek and tribs (0702-0001) 10	Phosphorus
Onondaga	Minor Tribs to Onondaga Lake (0702-0022) 10	Nitrogen (NH3, NO2)
Onondaga	Minor Tribs to Onondaga Lake (0702-0022) 10	Phosphorus
Onondaga	Minor Tribs to Onondaga Lake (0702-0022) 10	Fecal Coliform
Onondaga	Onondaga Creek, Lower (0702-0023) 10	Ammonia (NH3)
Onondaga	Onondaga Creek, Lower (0702-0023) 10	Fecal Coliform

Onondaga	Onondaga Creek, Lower (0702-0023) 10	Phosphorus
Onondaga	Onondaga Creek, Middle, and tribs (0702-0004) 10	Fecal Coliform
Onondaga	Onondaga Lake, Southern End (0702-0021) [10]	Fecal Coliform
Ontario	Great Brook and minor tribs (0704-0034)	Phosphorus 2
Ontario	Great Brook and minor tribs (0704-0034)	Silt/Sediment
Orange	Greenwood Lake (1501-0001)	Phosphorus
Orange	Monhagen Brook and tribs (1306-0074)	Phosphorus
Orange	Orange Lake (1301-0008) [16]	Phosphorus
Oswego	Lake Neatahwanta (0701-0018)	Phosphorus
Putnam	Bog Brook Reservoir (1302-0041)	Phosphorus
Putnam	Boyd Corners Reservoir (1302-0045)	Phosphorus
Putnam	Croton Falls Reservoir (1302-0026)	Phosphorus
Putnam	Diverting Reservoir (1302-0046)	Phosphorus
Putnam	East Branch Reservoir (1302-0040)	Phosphorus
Putnam	Middle Branch Reservoir (1302-0009)	Phosphorus
Putnam	Oscawana Lake (1301-0035)	Phosphorus
Putnam	Palmer Lake (1302-0103)	Phosphorus
Putnam	West Branch Reservoir (1302-0022)	Phosphorus
Queens	Alley Creek/Little Neck Bay Trib (1702-0009) 18	Fecal Coliform
Queens	Atlantic Ocean Coastline (1701-0014)	Fecal Coliform
Queens	Bergen Basin (1701-0009) 18	Fecal Coliform
Queens	Bergen Basin (1701-0009) 18	Garbage & Refuse
Queens	Bergen Basin (1701-0009) 18	Nitrogen
Queens	East River, Upper (1702-0010) 18	Garbage & Refuse
Queens	East River, Upper (1702-0032) 18	Garbage & Refuse
Queens	Flushing Creek/Bay (1702 0005) 18	Garbage & Refuse
Queens	Flushing Creek/Bay (1702-0005)	Nitrogen
Queens	Flushing Creek/Bay (1702-0005) 18	Fecal Coliform
Queens	Jamaica Bay, Eastern, and tribs, Queens (1701-0005) 18	Fecal Coliform
Queens	Jamaica Bay, Eastern, and tribs, Queens (1701-0005) 18	Garbage & Refuse
Queens	Jamaica Bay, Eastern, and tribs, Queens (1701-0005) 18	Nitrogen

Queens	Kissena Lake (1702-0258)	Phosphorus
Queens	Little Neck Bay (1702-0029)	Fecal Coliform
Queens	Meadow Lake (1702-0030)	Phosphorus
Queens	Newtown Creek and tidal tribs (1702 0002) 18	Garbage & Refuse
Queens	Newtown Creek and tidal tribs (1702-0002) 18	Fecal Coliform
Queens	Shellbank Basin (1701-0001) 18	Nitrogen
Queens	Spring Creek and tribs (1701-0361) 18	Garbage & Refuse
Queens	Thurston Basin (1701-0152) 18	Fecal Coliform
Queens	Thurston Basin (1701-0152) 18	Garbage & Refuse
Queens	Willow Lake (1702-0031)	Phosphorus
Rensselaer	Nassau Lake (1310-0001)	Phosphorus
Richmond	Arthur Kill, Class I, and minor tribs (1701 0010) 18	Garbage & Refuse
Richmond	Arthur Kill, Class SD, and minor tribs (1701-0182) 18	Garbage & Refuse
Richmond	Grassmere Lake/Bradys Pond (1701-0357)	Phosphorus
Richmond	Kill Van Kull (1701 0184) 18	Garbage & Refuse
Richmond	Newark Bay (1701 0183) 18	Garbage & Refuse
Richmond	Raritan Bay, Class SA (1701-0002)	Fecal Coliform
Rockland	Congers Lake, Swartout Lake (1501-0019)	Phosphorus
Rockland	Rockland Lake (1501-0021)	Phosphorus
Rockland	Sparkill Creek, Lower (1301-0088)	Fecal Coliform
Saratoga	Ballston Lake (1101-0036)	Phosphorus
Saratoga	Dwaas Kill and tribs (1101-0007)	Phosphorus
Saratoga	Dwaas Kill and tribs (1101-0007)	Silt/Sediment
Saratoga	Lake Lonely (1101-0034)	Phosphorus
Saratoga	Tribs to Lake Lonely (1101-0001)	Fecal Coliform
Saratoga	Tribs to Lake Lonely (1101-0001)	Phosphorus
Schenectady	Collins Lake (1201-0077)	Phosphorus
Schenectady	Duane Lake (1311-0006)	Phosphorus
Schenectady	Mariaville Lake (1201-0113)	Phosphorus
Suffolk	Acabonack Harbor (1701-0047)	Pathogens
Suffolk	Agawam Lake (1701-0117)	Phosphorus
Suffolk	Beaverdam Creek and tribs (1701-0104)	Ammonia
Suffolk	Bellport Bay (1701-0320)	Pathogens

Suffolk	Big/Little Fresh Ponds (1701-0125)	Phosphorus
Suffolk	Canaan Lake (1701-0018)	Phosphorus
Suffolk	Canaan Lake (1701-0018)	Silt/Sediment
Suffolk	Centerport Harbor (1702-0229)	Pathogens
Suffolk	Conscience Bay and tidal tribs (1702-0091)	Pathogens
Suffolk	Flanders Bay, East/Center, and tribs (1701-0030)	Pathogens
Suffolk	Flanders Bay, West/Lower Sawmill Creek (1701-0254)	Nitrogen
Suffolk	Flanders Bay, West/Lower Sawmill Creek (1701-0254)	Pathogens
Suffolk	Flax Pond (1702-0240)	Fecal Coliform
Suffolk	Forge River, Lower and Cove (1701-0316)	Fecal Coliform
Suffolk	Fresh Pond (1701-0241)	Phosphorus
Suffolk	Goldsmith Inlet (1702-0026)	Pathogens
Suffolk	Goose Creek (1701-0236)	Pathogens
Suffolk	Great Cove (1701-0376)	Fecal Coliform
Suffolk	Great South Bay, East (1701-0039)	Nitrogen
Suffolk	Great South Bay, Middle (1701-0040)	Nitrogen
Suffolk	Great South Bay, West (1701-0173)	Nitrogen
Suffolk	Hashamomuck Pond (1701-0162)	Pathogens
Suffolk	Heady and Taylor Creeks and tribs (1701-0294)	Pathogens
Suffolk	Huntington Harbor (1702-0228)	Pathogens
Suffolk	Lake Montauk (1701-0031)	Pathogens
Suffolk	Lake Ronkonkoma (1701-0020)	Fecal Coliform
Suffolk	Lake Ronkonkoma (1701-0020)	Phosphorus
Suffolk	Little Sebonac Creek (1701-0253)	Pathogens
Suffolk	Long Island Sound, Suffolk Co, Central (1702-0265)	Fecal Coliform
Suffolk	Mattituck Inlet/Cr, Low, and tidal tribs (1702-0020)	Pathogens
Suffolk	Meetinghouse/Terrys Creeks and tribs (1701-0256)	Pathogens
Suffolk	Mill and Seven Ponds (1701-0113)	Phosphorus
Suffolk	Millers Pond (1702-0013)	Phosphorus
Suffolk	Moriches Bay, East (1701-0305)	Nitrogen
Suffolk	Moriches Bay, West (1701-0038)	Nitrogen
Suffolk	Mt Sinai Harbor and tidal tribs (1702-0019)	Pathogens

Suffolk	Mud Creek, Upper, and tribs (1701-0101)	Fecal Coliform
Suffolk	Narrow Bay (1701-0318)	Pathogens
Suffolk	Nicoll Bay (1701-0375)	Fecal Coliform
Suffolk	North Sea Harbor and tribs (1701-0037)	Pathogens
Suffolk	Northport Harbor (1702-0230)	Pathogens
Suffolk	Northwest Creek and tidal tribs (1701-0046)	Pathogens
Suffolk	Noyack Creek and tidal tribs (1701-0237)	Pathogens
Suffolk	Ogden Pond (1701-0302)	Pathogens
Suffolk	Patchogue Bay (1701-0326)	Pathogens
Suffolk	Peconic River, Lower, and tidal tribs (1701-0259)	Nitrogen
Suffolk	Peconic River, Lower, and tidal tribs (1701-0259)	Pathogens
Suffolk	Penniman Creek and tidal tribs (1701-0300)	Pathogens
Suffolk	Penny Pond, Wells and Smith Creeks (1701-0298)	Pathogens
Suffolk	Phillips Creek, Lower, and tidal tribs (1701-0299)	Fecal Coliform
Suffolk	Port Jefferson Harbor, North, and tribs (1702-0015)	Pathogens
Suffolk	Quantuck Bay (1701-0042)	Pathogens
Suffolk	Quantuck Bay (1701-0042)	Nitrogen
Suffolk	Quantuck Canal/Moneybogue Bay (1701-0371)	Pathogens
Suffolk	Quogue Canal (1701-0301)	Fecal Coliform
Suffolk	Reeves Bay and tidal tribs (1701-0272)	Pathogens
Suffolk	Richmond Creek and tidal tribs (1701-0245)	Pathogens
Suffolk	Sag Harbor and Sag Harbor Cove (1701-0035)	Pathogens
Suffolk	Sebonac Cr/Bullhead Bay and tidal tribs (1701-0051)	Pathogens
Suffolk	Setauket Harbor (1702-0242)	Pathogens
Suffolk	Shinnecock Bay and Inlet (1701 0033)	Nitrogen
Suffolk	Stirling Creek and Basin (1701-0049)	Pathogens
Suffolk	Stony Brook Harbor and West Meadow Creek (1702-0047)	Pathogens
Suffolk	Tidal Tribs to Gr Peconic Bay, Northshr (1701-0247)	Pathogens
Suffolk	Tidal Tribs to West Moriches Bay (1701-0312)	Fecal Coliform
Suffolk	Tidal Tribs to West Moriches Bay (1701-0312)	Nitrogen
Suffolk	Town/Jockey Creeks and tidal tribs (1701-0235)	Pathogens
Suffolk	Tuthill, Harts, Seatuck Coves (1701-0309)	Pathogens
Suffolk	Weesuck Creek and tidal tribs (1701-0111)	Pathogens

Suffolk	West Creek and tidal tribs (1701-0246)	Fecal Coliform
Suffolk	Wooley Pond (1701-0048)	Pathogens
Tompkins	Cayuga Lake, Southern End (0705-0040)	Phosphorus
Tompkins	Cayuga Lake, Southern End (0705-0040)	Silt/Sediment
Warren	Hague Brook and tribs (1006-0006)	Silt/Sediment
Warren	Huddle/Finkle Brooks and tribs (1006-0003)	Silt/Sediment
Warren	Indian Brook and tribs (1006-0002)	Silt/Sediment
Warren	Lake George (1006-0016) and tribs	Silt/Sediment
Warren	Tribs to Lake George, East Shore (1006-0020)	Silt/Sediment
Warren	Tribs to Lake George, Lk.George Village (1006-0008)	Silt/Sediment
Wayne	Lake Ontario Shoreline, Central (0302-0044)	Fecal Coliform
Westchester	Amawalk Reservoir (1302-0044)	Phosphorus
Westchester	Bronx River, Upper, and tribs (1702-0107)	Fecal Coliform
Westchester	Cross River Reservoir (1302-0005)	Phosphorus
Westchester	Hutchinson River, Middle, and tribs (1702-0074)	Fecal Coliform
Westchester	Hutchinson River, Middle, and tribs (1702-0074)	Oil/Grease
Westchester	Lake Katonah (1302-0136)	Phosphorus
Westchester	Lake Lincolndale (1302-0089)	Phosphorus
Westchester	Lake Meahagh (1301-0053)	Phosphorus
Westchester	Lake Mohegan (1301-0149)	Phosphorus
Westchester	Lake Shenorock (1302-0083)	Phosphorus
Westchester	Larchmont Harbor (1702-0116)	Fecal Coliform
Westchester	Long Island Sound, Westchester Co Waters (1702-0001)	Fecal Coliform
Westchester	Long Island Sound, Westchester Co Waters (1702-0001)	Nitrogen
Westchester	Mamaroneck Harbor (1702-0125)	Fecal Coliform
Westchester	Mamaroneck River, Lower (1702-0071)	Silt/Sediment
Westchester	Mamaroneck River, Upp, & minor tribs (1702-0123)	Silt/Sediment
Westchester	Milton Harbor/Lower Blind Brook (1702-0063)	Fecal Coliform
Westchester	Muscoot/Upper New Croton Reservoir (1302-0042)	Phosphorus
Westchester	New Croton Reservoir (1302-0010)	Phosphorus
Westchester	New Rochelle Harbor (1702-0259)	Fecal Coliform
Westchester	Port Chester Harbor/Lower Byram River (1702-0260)	Fecal Coliform

Westchester	Reservoir No.1/Lake Isle (1702-0075)	Phosphorus
Westchester	Saw Mill River (1301-0007)	Fecal Coliform
Westchester	Saw Mill River (1301-0007)	Phosphorus
Westchester	Saw Mill River, Middle, and tribs (1301-0100)	Fecal Coliform
Westchester	Saw Mill River, Middle, and tribs (1301-0100)	Phosphorus
Westchester	Sheldrake River (1702-0069)	Phosphorus
Westchester	Sheldrake River (1702-0069)	Silt/Sediment
Westchester	Silver Lake (1702-0040)	Phosphorus
Westchester	Teatown Lake (1302-0150)	Phosphorus
Westchester	Titicus Reservoir (1302-0035)	Phosphorus
Westchester	Truesdale Lake (1302-0054)	Phosphorus
Westchester	Wallace Pond (1301-0140)	Phosphorus

Appendix D. Forms

Included in this section are the following documents, in order:

- Monitoring Locations Inspection and Sampling Field Sheet
- Construction Site Inspection Report Form
- No Exposure Certification
- Municipal Facility Assessment Form
- Storm Event Data Form
- Visual Monitoring Form

Monitoring Locations Inspection and Sampling Field Sheet

Section 1: Background Data

Subwatershed:		Monitoring Location ID:	
Today's date:		Time (Military):	
Investigators:		Form completed by:	
Temperature (°F):	Rainfall (in.): Last 24 hours: Last 48 hours:		
Latitude:	Longitude:	GPS Unit:	GPS LMK #:
Camera:		Photo #s:	

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: _____

Notes (e.g., origin, if known):

Section 2: Monitoring Location Description

LOCATION	MATERIAL	SHAPE	DIMENSIONS (IN.)	SUBMERGED
☐ **Closed Pipe**	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☐ Circular ☐ Single ☐ Elliptical ☐ Double ☐ Box ☐ Triple ☐ Other: _____ ☐ Other: _____	Diameter/Dimensions: _____	In Water: ☐ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-Rap ☐ Other: ____	☐ Trapezoid ☐ Parabolic ☐ Other: ____	Depth: ____ Top Width: ___ Bottom Width: ____	
☐ **In-Stream**	**(applicable when collecting samples)**			
Flow Present?	☐ Yes ☐ No	***If No, Skip to Section 5***		
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial			

Section 3: Quantitative Characterization

FIELD DATA FOR FLOWING MONITORING LOCATIONS				
PARAMETER		**RESULT**	**UNIT**	**EQUIPMENT**
☐ Flow #1	Volume		Liter	Bottle
	Time to fill		Sec	
☐ Flow #2	Flow depth		In	Tape measure
	Flow width	____' ____"	Ft, In	Tape measure
	Measured length	____' ____"	Ft, In	Tape measure
	Time of travel		S	Stopwatch
Temperature			°F	Thermometer
pH			pH Units	Test strip/Probe
Ammonia			mg/L	Test strip

Monitoring Locations Inspection and Sampling Field Sheet

Section 4: Physical Indicators for Flowing Monitoring Locations Only

Are Any Physical Indicators Present in the flow? ☐ Yes ☐ No (*If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 - Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 - Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 - Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 - Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Monitoring Locations

Are physical indicators that are not related to flow present? ☐ Yes ☐ No (*If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Monitoring Location Damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Monitoring Location Characterization

☐ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Section 7: Data Collection

1.	Sample for the lab?	☐ Yes	☐ No		
2.	If yes, collected from:	☐ Flow	☐ Pool		
3.	Intermittent flow trap set?	☐ Yes	☐ No	If Yes, type: ☐ OBM	☐ Caulk dam

Section 8: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF WATER

NEW YORK STATE Department of Environmental Conservation

New York State Department of Environmental Conservation

Construction Site Inspection Report for SPDES MS4 General Permit GP-0-24-001

Project Name:		Date:	
Project Location:		Weather:	
Permit # (if any): **NYR**	Contacted: ☐Yes ☐No	Entry Time:	Exit Time:
Name of SPDES Permittee:		Inspection Type:	☐NOT ☐ Complaint
Phone Number(s):			☐ Compliance ☐ Referral
On-site Representative(s) and Company(s):		MS4 Operator Name:	
		MS4 Permit ID: NYR20A	

SPDES Authority

	Yes	No	N/A		Citation
1.	☐	☐	☐	Does the project have permit coverage?	GP-0-20-001: I.A & II. B
2.	☐	☐	☐	Is a copy of the NOI and Acknowledgment Letter available on site and accessible for viewing?	GP-0-20-001: II.D.2
3.	☐	☐	☐	Is a copy of the MS4 SWPPP Acceptance Form available on site and accessible for viewing?	GP-0-20-001: II.D.2
4.	☐	☐	☐	Is an up-to-date copy of the signed SWPPP retained at the construction site?	GP-0-20-001: II.D.2. & III.A.4
5.	☐	☐	☐	Is a copy of the SPDES General Permit retained at the construction site?	GP-0-20-001: II.D.2
6.	☐	☐	☐	Does the NOI accurately report the number of acres to be disturbed?	GP-0-20-001: II.B.4

SWPPP Content

	Yes	No	N/A		Citation
7.	☐	☐	☐	Does the SWPPP describe and identify the erosion and sediment control measures to be employed?	GP-0-20-001: III.B.1.e
8.	☐	☐	☐	Does the SWPPP provide an inspection schedule and maintenance requirements for the E&SC measures?	GP-0-20-001: III.B.1.i
9.	☐	☐	☐	Does the SWPPP describe and identify the stormwater management practices to be employed?	GP-0-20-001: III.B.2
10.	☐	☐	☐	Does the SWPPP identify the contractor(s) and subcontractor(s) responsible for each measure?	GP-0-20-001: III.A.6
11.	☐	☐	☐	Does the SWPPP identify at least one trained individual from each contractor(s) and subcontractor(s) companies?	GP-0-20-001: III.A.6
12.	☐	☐	☐	Does the SWPPP include all the necessary Contractor Certification Statements and signatures?	GP-0-20-001: III.A.6
13.	☐	☐	☐	Is the SWPPP signed by the permittee?	GP-0-20-001: VII.H.2
14.	☐	☐	☐	Is the SWPPP prepared by a qualified professional (if post-construction stormwater management required)?	GP-0-20-001: III.A.3
15.	☐	☐	☐	Do the SMPs conform to the Enhanced Phosphorus Removal Standards (projects in TMDL watersheds)?	GP-0-20-001: III.B.3

Recordkeeping

	Yes	No	N/A		Citation
16.	☐	☐	☐	Are self-inspections performed as required by the permit (weekly, or twice weekly for >5 acres disturbed)?	GP-0-20-001:IV.C.2.a. & b
17.	☐	☐	☐	Are the self-inspections performed and signed by a qualified inspector and retained on site?	GP-0-20-001:II.C.2.,IV.C.6 & VII.H.3
18.	☐	☐	☐	Do the qualified inspector's reports include the minimum reporting requirements?	GP-0-20-001: IV.C.4
19.	☐	☐	☐	Do inspection reports identify corrective measures that have not been implemented or are recurring?	GP-0-20-001: IV.C.5

Visual Observations

	Yes	No	N/A		Citation
20.	☐	☐	☐	Are all erosion and sediment control measures installed properly?	GP-0-20-001: VII.L
21.	☐	☐	☐	Are all erosion and sediment control measures being maintained properly?	GP-0-20-001: IV.A.1
22.	☐	☐	☐	Was written authorization issued for any disturbance greater than 5 acres?	GP-0-20-001: II.D.3
23.	☐	☐	☐	Have stabilization measures been implemented in inactive areas per Permit (>5acres) or ESC Standard?	GP-0-20-001: II.D.3.b & III.B.1.f
24.	☐	☐	☐	Are post-construction stormwater management practices constructed/installed correctly?	GP-0-20-001: III.B.2
25.	☐	☐	☐	Has final site stabilization been achieved and temporary E&SC measures removed prior to NOT submittal?	GP-0-20-001: V.A.2
26.	☐	☐	☐	Was there a discharge from the site on the day of inspection?	
27.	☐	☐	☐	Is there evidence that a discharge caused or contributed to a violation of water quality standards?	ECL 17-0501, 6 NYCRR 703.2 & GP-0-20-001: I.D

Water Quality Observations

Describe the discharge(s): location, source(s), impact on receiving water(s), etc.

Describe the quality of the receiving water(s) both upstream and downstream of the discharge:

Describe any other water quality standards or permit violations:

Additional Comments:

☐ Photographs attached

Overall Inspection Rating: ☐ Satisfactory ☐ Marginal ☐ Unsatisfactory	
Name/Agency of Lead Inspector:	Signature of Lead Inspector:
Names/Agencies of Other Inspectors:	

NEW YORK STATE | Department of Environmental Conservation

NO EXPOSURE CERTIFICATION

For High Priority Municipal Facilities

in SPDES MS4 General Permit, GP-0-24-001

The completed No Exposure Certification must be documented in the SWMP Plan.
Please do not submit this form to the Department unless requested.

I. Owner/Facility Information

Owner/Operator Name:		
Mailing Address:	City/State/Zip:	
Contact Name:	Phone No.:	
Facility Name:		
Street Address:	City/State/Zip:	
County:	Latitude:	Longitude:

II. Exposure Checklist

	Are any of the following materials or activities exposed to precipitation, now or in the foreseeable future? (Please check either "Yes" or "No" in the appropriate box.) If you answer "Yes" to any of these questions (1) through (11), you are not eligible for no exposure.	YES	NO
1	Using, storing or cleaning machinery or equipment, and areas where residuals from using, storing or cleaning machinery or equipment remain and are exposed to stormwater		
2	Materials or residuals on the ground or in stormwater inlets from spills/leaks		
4	Material handling equipment (except adequately maintained vehicles)		
5	Materials or products during loading/unloading or transporting activities		
6	Materials or products stored outdoors (except final products intended for outside use [e.g., new cars] where exposure to stormwater does not result in the discharge of pollutants)		
7	Materials contained in open, deteriorated or leaking storage drums, barrels, tanks, and similar containers		
8	Materials or products handled/stored on roads or railways owned or maintained by the discharger		
9	Waste material (except waste in covered, non-leaking containers [e.g., dumpster])		

III. Certification

I certify under penalty of law that I have read and understand the eligibility requirements for claiming a condition of "no exposure" and obtaining an exclusion from SPDES stormwater permitting. I certify under penalty of law that there are no discharges of storm water contaminated by exposure to industrial activities or materialsfrom the industrial facility or site identified in this document (except as allowed under 40 CFR 122.26(g)(2)). I understand that I am obligated to submit a no exposure certification form upon request to the NPDES permitting authority or to the operator of the local municipal separate storm sewer system (MS4) into which the facility discharges (where applicable). I understand that I must allow the SPDES permitting authority, or MS4 Operator where the discharge is into the local MS4, to perform inspections to confirm the condition of no exposure and to make such inspection reports publicly available upon request.

Printed Name:	Title/Position:
Signature:	Date:

NEW YORK STATE Department of Environmental Conservation	**Municipal Facility Assessment Form For SPDES MS4 General Permit, GP-0-24-001**

Assessments must be conducted by a person with the knowledge and skills to assess conditions and activities that could impact stormwater quality at the facility and evaluate the effectiveness of best management practices required by the SPDES MS4 General Permit (GP-0-24-001).

MS4 Permit ID:	MS4 Operator Name:	
Facility Name:	Facility Type:	Date:
Weather Conditions:		
Is stormwater runoff present during this assessment? ☐ Yes ☐ No		
Comments:		

General		**Yes**	**No**
1	Is this a high priority municipal facility?	☐	☐
2	If this is a high priority municipal facility, does the facility qualify for a No Exposure Certification?	☐	☐
3	If this is a high priority municipal facility, is there a completed SWPPP available?	☐	☐
4	Does the facility have any MS4 outfalls?	☐	☐
5	Does the facility have any interconnections?	☐	☐
6	Does the facility have any municipal facility intraconnections?	☐	☐
Comments:			
Good Housekeeping		**Yes**	**No**
7	Are paved surfaces free of trash, sediment, and/or debris?	☐	☐
8	Date the paved area was last swept or vacuumed.	☐	☐
9	Do outdoor waste receptacles have covers?	☐	☐
10	Are the waste receptacles emptied on a regular basis?	☐	☐
11	Are there signs of leaks, contaminants or overfilling at the waste receptacle area?	☐	☐
12	Are the following facility areas free of accumulated trash, sediment, debris, contaminants, and spills:	☐	☐
	- Salt storage areas	☐	☐
	- Container storage areas	☐	☐
	- Maintenance areas	☐	☐

	- Staging areas	☐	☐
	- Material stockpile areas	☐	☐
Comments:			

Vehicle and Equipment Areas		☐ N/A	Yes	No
13	Are vehicle/equipment parked indoors or under a roof?		☐	☐
14	Are vehicles/equipment washed in only designated areas?		☐	☐
15	Are vehicles washed regularly to remove contamination and prevent them from polluting stormwater?		☐	☐
16	Is all wash water treated in an oil water separator prior to discharge?		☐	☐
17	Is all wash water managed so it does not enter the MS4?		☐	☐
Comments				

Vehicle/Equipment Maintenance		☐ N/A	Yes	No
18	Is equipment stored under shelter or elevated and covered?		☐	☐
19	Are fluids drained over a drip pan or pad?		☐	☐
20	Are funnels or pumps used when transferring fluids?		☐	☐
21	Are waste rags and used absorbent pads disposed of properly?		☐	☐
22	Are any vehicles and/or equipment leaking fluids?		☐	☐
23	Are drip pans immediately placed under leaks?		☐	☐
24	Are materials, equipment, and activities located so that leaks are contained in existing containment and diversion systems (confine the storage of leaky or leak-prone vehicles and equipment awaiting maintenance to protected areas)?		☐	☐
25	Are vehicles inspected daily for leaks?			
Comments:				

Fueling areas		☐ N/A	Yes	No
26	Is fueling performed under a canopy or roof?		☐	☐
27	Are spill cleanup materials available at the fueling area?		☐	☐
28	Are breakaway valves used on fueling hoses?		☐	☐
29	Is the fueling handle lock disconnected so the operator must attend the fueling?		☐	☐
30	Is stormwater runoff from fueling area treated in an oil/water separator?		☐	☐
31	Is the fueling automatic stop inspected regularly to ensure it is working properly?		☐	☐
32	Are all fuel deliveries monitored?		☐	☐
Comments:				

Salt Storage Piles or Pile Containing Salt		☐ N/A	Yes	No
33	Is salt stored in a salt storage building or under a roof?		☐	☐
34	Are controls in place to minimize spills while adding or removing material from the pile?		☐	☐
35	Are salt spills cleaned up promptly?		☐	☐
36	Is overflow and tracked salt removed promptly from loading areas?		☐	☐
37	Is stormwater draining away from the salt pile directed to a vegetated filter area		☐	☐
Comments:				
Fluids Management		☐ N/A	Yes	No
38	Are all drums and containers of fluids stored with proper cover and containment?		☐	☐
39	Are fluids stored in appropriate containers and/or storage cabinets?		☐	☐
40	Are all fluids kept in original containers or labeled in a manner that describes the contents adequately?		☐	☐
41	Are Material Safety Data Sheets (MSDS/SDS) readily available?		☐	☐
42	Are all containers that are stored free of leaks or deposits?		☐	☐
43	Are containers of product inspected regularly?		☐	☐
44	Is used oil and antifreeze stored indoors and/or on spill containment pallets?		☐	☐
45	Is used oil and antifreeze properly disposed of or recycled?		☐	☐
Comments:				
Lead Acid Batteries		☐ N/A	Yes	No
46	Are lead-acid batteries stored indoors on spill containment pallets or in bins?		☐	☐
47	Are intact batteries stored on an acid-resistant rack or tub?		☐	☐
48	Are cracked or leaking batteries stored in labeled, closed, leak-proof containers?		☐	☐
49	Is the date each battery was placed in storage recorded?		☐	☐
50	Are batteries stacked more than 5 high?		☐	☐
51	Are batteries inspected regularly for leaks?		☐	☐
Comments:				
Spill Prevention and Response Procedures		☐ N/A	Yes	No
52	Are vehicles inspected daily for leaks?		☐	☐

53	Is spill control equipment and absorbents readily available?	☐	☐
54	Are emergency phone numbers posted in conspicuous areas?	☐	☐
55	Are spills contained and cleaned up immediately?	☐	☐
Comments:			

General Material Storage Areas	☐ N/A	Yes	No
56	Are leaking or damaged materials stored inside a building or another type of storm resistance shelter?	☐	☐
57	Are all material stockpiles within containment structures (e.g., concrete barriers, earthen berms) or stored in a manner that does not allow discharge of impacted stormwater?	☐	☐
58	Are used fuel tanks and other scrap metal and parts drained of fluids and stored under cover?	☐	☐
59	Are outdoor containers covered?	☐	☐
60	Are piles of spoils, asphalt, debris, etc. stored under a roof or cover?	☐	☐
61	Are spills of material or debris cleaned up promptly?	☐	☐
62	Are used tire storage piles placed away from storm drains or conveyances?	☐	☐
63	Are tires recycled frequently to keep the number of stored tires manageable?	☐	☐
Comments:			

Stormwater Management		Yes	No
64	Are employees trained on the municipal facility procedures?	☐	☐
66	Are BMPs and treatment structures working as designed?	☐	☐
67	Are BMPs and treatment structures free from debris buildup or overgrown vegetation that may impair function?	☐	☐
68	Catch basins should be cleaned in accordance with the timeframes listed in Part VI.F.3.c.iii. / Part VII.F.3.c.iii, depending on the MS4 Operator type. Based on this, do any catch basins need to be cleaned?	☐	☐
69	Are berms, curbing or other methods used to divert and direct discharges adequate and in good condition?	☐	☐
70	Are rooftop drains directed to areas away from pavement?	☐	☐
Comments:			

Erosion and Sediment Controls		Yes	No
71	Are soil stabilization measures (e.g., seed and mulch, rolled erosion control products) considered in areas that have the potential for significant soil erosion?	☐	☐
72	Are natural buffers maintained around surface waters?	☐	☐
73	Are flow velocity dissipation devices in place at monitoring locations and channel outlets (rock riprap, stone check dams, concrete baffles)?	☐	☐
74	Do controls conform to the NYS Standards and Specifications for Erosion and Sediment Control (2016), or equivalent?	☐	☐

Comments:			
Corrective Actions and Comment			
Describe Inspection findings and if necessary, the corrective actions taken			
Inspector Signature		Date:	

NEW YORK STATE | Department of Environmental Conservation

Storm Event Data Form for SPDES MS4 General Permit, GP-0-24-001

Do not submit this form to the Department; keep this form with the municipal facility's SWPPP and in the MS4 Operator's SWMP Plan.

Permit Number:

N	Y	R	2	0	A			

Facility Name:

Contact First Name:

Contact Last Name:

Contact Phone:

Contact Email:

Storm Event Date:

Storm Duration (in hours):

Rainfall Measurement from Storm Event (in inches):

Date of Last Measurable Storm Event:

Duration Between Storm Event Sampled and End of Previous Measurable Storm (in hours):

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 gather and evaluate 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 there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Facility Operator First Name (please print or type)

Facility Operator Last Name (please print or type)

/ /

Date

Signature

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

Visual Monitoring Form MS4 GP-0-24-001

All high priority municipal facilities covered under the MS4 GP-0-24-001 must perform Visual Monitoring twice a permit term, separated by a minimum of one (1) year. Please see the permit Part VI.F/VII.F for additional requirements. This form is part of the facilities records and should be retained onsite with the facility's Stormwater Pollution Prevention Plan. ***Please do not submit this form to the Department.***

MS4 Operator Permit ID

Facility Name

Outfall Number

Examiner's Name

Examiner's Title

Reporting Year

Rainfall Amount

Qualifying Storm? ◯Yes ◯No

Runoff Source? ◯Rainfall ◯Snowmelt

Date/Time Collected __/__/__ __:__ AM / PM

Date/Time Examined __/__/__ __:__ AM / PM

1. Does the stormwater appear to be colored? ..... ◯Yes ◯No

If yes, describe

2. Is the stormwater clear or transparent? ..... ◯Yes ◯No

If yes, which of the following best describes the clarity of the stormwater: ..... ◯Clear ◯Milky ◯Opaque

3. Can you see a rainbow sheen effect on the water surface?..... ◯Yes ◯No

If yes, which best describes the sheen?..... ◯Rainbow Sheen ◯Floating Oil Globules

4. Does the sample have an odor? ..... ◯Yes ◯No

If yes, describe

5. Is there something floating on the surface of the sample? ..... ◯Yes ◯No

If yes, describe

6. Is there something suspended in the water column of the sample? ..... ◯Yes ◯No

If yes, describe

7. Is there something settled on the bottom of the sample?..... ..... ◯Yes ◯No

If yes, describe

8. Is there foam or material forming on the top of the sample surface?..... ◯Yes ◯No

If yes, describe

Detail any concerns, corrective actions taken and any other indicators of pollution present in the sample:

Works Cited

Center for Watershed Protection, Illicit Discharge Detection and Elimination: A Guidance Manual for Program Development and Technical Assistance, October 2004 (CWP 2004)

New York State Department of Environmental Conservation, Maintenance Guidance: Stormwater Management Practices, March 31, 2017 (NYS DEC Maintenance Guidance 2017)

New York State Department of Environmental Conservation, Model Local Law to Prohibit Illicit Discharges, Activities and Connections to Separate Storm Sewer Systems, April 2006 (NYS DEC Model IDDE Local Law 2006)

New York State Department of Environmental Conservation, Sample Local Law for Stormwater Management and Erosion & Sediment Control, March 2006 (NYS DEC Sample SM and E&SC Local Law 2006)

New York State, Standards and Specifications for Erosion & Sediment Control, November 2016 (NYS E&SC 2016)

New York State, Stormwater Management Design Manual, January 2015 (NYS SWMDM 2015)

SPDES Multi-Sector General Permit for Stormwater Discharges Associated with Industrial Activity, GP-0-23-001 (MSGP)

SPDES General Permit for Stormwater from Construction Activities, GP-0-20-001 (CGP)

SPDES General Permit for Stormwater Discharges from the Municipal Separate Storm Sewer Systems, GP-0-24-001 (MS4 GP)

United States Department of Transportation Federal Highway Administration, Highway Functional Classification Concepts, Criteria and Procedures, 2013 (USDOT 2013)

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SPDES GENERAL PERMIT
FOR STORMWATER DISCHARGES

From

CONSTRUCTION ACTIVITY

Permit No. GP- 0-20-001

Issued Pursuant to Article 17, Titles 7, 8 and Article 70

of the Environmental Conservation Law

Effective Date: January 29, 2020

Expiration Date: January 28, 2025

John J. Ferguson

Chief Permit Administrator

1-23-20

Authorized Signature

Date

Address: NYS DEC
Division of Environmental Permits
625 Broadway, 4th Floor
Albany, N.Y. 12233-1750

PREFACE

Pursuant to Section 402 of the Clean Water Act ("CWA"), stormwater *discharges* from certain *construction activities* are unlawful unless they are authorized by a *National Pollutant Discharge Elimination System ("NPDES")* permit or by a state permit program. New York administers the approved State Pollutant Discharge Elimination System (SPDES) program with permits issued in accordance with the New York State Environmental Conservation Law (ECL) Article 17, Titles 7, 8 and Article 70.

An *owner or operator* of a *construction activity* that is eligible for coverage under this permit must obtain coverage prior to the *commencement of construction activity*. Activities that fit the definition of "*construction activity*", as defined under 40 CFR 122.26(b)(14)(x), (15)(i), and (15)(ii), constitute construction of a *point source* and therefore, pursuant to ECL section 17-0505 and 17-0701, the *owner or operator* must have coverage under a SPDES permit prior to *commencing construction activity*. The *owner or operator* cannot wait until there is an actual *discharge* from the *construction site* to obtain permit coverage.

***Note: The italicized words/phrases within this permit are defined in Appendix A.**

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
SPDES GENERAL PERMIT FOR STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITIES

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Part 1. PERMIT COVERAGE AND LIMITATIONS

A. Permit Application

This permit authorizes stormwater *discharges* to *surface waters of the State* from the following *construction activities* identified within 40 CFR Parts 122.26(b)(14)(x), 122.26(b)(15)(i) and 122.26(b)(15)(ii), provided all of the eligibility provisions of this permit are met:

1. *Construction activities* involving soil disturbances of one (1) or more acres; including disturbances of less than one acre that are part of a *larger common plan of development or sale* that will ultimately disturb one or more acres of land; excluding *routine maintenance activity* that is performed to maintain the original line and grade, hydraulic capacity or original purpose of a facility;

2. *Construction activities* involving soil disturbances of less than one (1) acre where the Department has determined that a *SPDES* permit is required for stormwater *discharges* based on the potential for contribution to a violation of a *water quality standard* or for significant contribution of *pollutants* to *surface waters of the State.*

3. *Construction activities* located in the watershed(s) identified in Appendix D that involve soil disturbances between five thousand (5,000) square feet and one (1) acre of land.

B. Effluent Limitations Applicable to Discharges from Construction Activities

*Discharge*s authorized by this permit must achieve, at a minimum, the effluent limitations in Part I.B.1. (a) – (f) of this permit. These limitations represent the degree of effluent reduction attainable by the application of best practicable technology currently available.

1. Erosion and Sediment Control Requirements - The *owner or operator* must select, design, install, implement and maintain control measures to *minimize* the *discharge* of *pollutants* and prevent a violation of the *water quality standards*. The selection, design, installation, implementation, and maintenance of these control measures must meet the non-numeric effluent limitations in Part I.B.1.(a) – (f) of this permit and be in accordance with the New York State Standards and Specifications for Erosion and Sediment Control, dated November 2016, using sound engineering judgment. Where control measures are not designed in conformance with the design criteria included in the technical standard, the *owner or operator* must include in the *Stormwater Pollution Prevention Plan* (“SWPPP”) the reason(s) for the

deviation or alternative design and provide information which demonstrates that the deviation or alternative design is *equivalent* to the technical standard.

a. **Erosion and Sediment Controls.** Design, install and maintain effective erosion and sediment controls to *minimize* the *discharge* of *pollutants* and prevent a violation of the *water quality standards*. At a minimum, such controls must be designed, installed and maintained to:

   (i) *Minimize* soil erosion through application of runoff control and soil stabilization control measure to *minimize pollutant discharge*s;

   (ii) Control stormwater *discharge*s, including both peak flowrates and total stormwater volume, to *minimize* channel and *streambank* erosion and scour in the immediate vicinity of the *discharge* points;

   (iii) *Minimize* the amount of soil exposed during *construction activity*;

   (iv) *Minimize* the disturbance of *steep slopes*;

   (v) *Minimize* sediment *discharge*s from the site;

   (vi) Provide and maintain *natural buffer*s around surface waters, direct stormwater to vegetated areas and maximize stormwater infiltration to reduce *pollutant discharge*s, unless *infeasible*;

   (vii) *Minimize* soil compaction. Minimizing soil compaction is not required where the intended function of a specific area of the site dictates that it be compacted;

   (viii) Unless *infeasible*, preserve a sufficient amount of topsoil to complete soil restoration and establish a uniform, dense vegetative cover; and

   (ix) *Minimize* dust. On areas of exposed soil, *minimize* dust through the appropriate application of water or other dust suppression techniques to control the generation of pollutants that could be discharged from the site.

b. **Soil Stabilization**. In areas where soil disturbance activity has temporarily or permanently ceased, the application of soil stabilization measures must be initiated by the end of the next business day and completed within fourteen (14) days from the date the current soil disturbance activity ceased. For construction sites that *directly discharge* to one of the 303(d) segments

listed in Appendix E or is located in one of the watersheds listed in Appendix C, the application of soil stabilization measures must be initiated by the end of the next business day and completed within seven (7) days from the date the current soil disturbance activity ceased. See Appendix A for definition of *Temporarily Ceased*.

c. **Dewatering**. *Discharge*s from *dewatering* activities, including *discharge*s from *dewatering* of trenches and excavations, must be managed by appropriate control measures.

d. **Pollution Prevention Measures**. Design, install, implement, and maintain effective pollution prevention measures to *minimize* the *discharge* of *pollutants* and prevent a violation of the *water quality standards*. At a minimum, such measures must be designed, installed, implemented and maintained to:

(i) *Minimize* the *discharge* of *pollutants* from equipment and vehicle washing, wheel wash water, and other wash waters. This applies to washing operations that use clean water only. Soaps, detergents and solvents cannot be used;

(ii) *Minimize* the exposure of building materials, building products, construction wastes, trash, landscape materials, fertilizers, pesticides, herbicides, detergents, sanitary waste, hazardous and toxic waste, and other materials present on the site to precipitation and to stormwater. Minimization of exposure is not required in cases where the exposure to precipitation and to stormwater will not result in a *discharge* of *pollutants*, or where exposure of a specific material or product poses little risk of stormwater contamination (such as final products and materials intended for outdoor use) ; and

(iii) Prevent the *discharge* of *pollutants* from spills and leaks and implement chemical spill and leak prevention and response procedures.

e. **Prohibited *Discharge*s.** The following *discharge*s are prohibited:

(i) Wastewater from washout of concrete;

(ii) Wastewater from washout and cleanout of stucco, paint, form release oils, curing compounds and other construction materials;

(iii) Fuels, oils, or other *pollutants* used in vehicle and equipment operation and maintenance;

(iv) Soaps or solvents used in vehicle and equipment washing; and

(v) Toxic or hazardous substances from a spill or other release.

f. Surface Outlets. When discharging from basins and impoundments, the outlets shall be designed, constructed and maintained in such a manner that sediment does not leave the basin or impoundment and that erosion at or below the outlet does not occur.

C. Post-construction Stormwater Management Practice Requirements

1. The *owner or operator* of a *construction activity* that requires post-construction stormwater management practices pursuant to Part III.C. of this permit must select, design, install, and maintain the practices to meet the *performance criteria* in the New York State Stormwater Management Design Manual ("Design Manual"), dated January 2015, using sound engineering judgment. Where post-construction stormwater management practices ("SMPs") are not designed in conformance with the *performance criteria* in the Design Manual, the *owner or operator* must include in the SWPPP the reason(s) for the deviation or alternative design and provide information which demonstrates that the deviation or alternative design is *equivalent* to the technical standard.

2. The *owner or operator* of a *construction activity* that requires post-construction stormwater management practices pursuant to Part III.C. of this permit must design the practices to meet the applicable *sizing criteria* in Part I.C.2.a., b., c. or d. of this permit.

a. Sizing Criteria for New Development

(i) Runoff Reduction Volume ("RRv"): Reduce the total Water Quality Volume ("WQv") by application of RR techniques and standard SMPs with RRv capacity. The total WQv shall be calculated in accordance with the criteria in Section 4.2 of the Design Manual.

(ii) Minimum RRv and Treatment of Remaining Total WQv: Construction activities that cannot meet the criteria in Part I.C.2.a.(i) of this permit due to site limitations shall direct runoff from all newly constructed impervious areas to a RR technique or standard SMP with RRv capacity unless infeasible. The specific site limitations that prevent the reduction of 100% of the WQv shall be documented in the SWPPP.

For each impervious area that is not directed to a RR technique or standard SMP with RRv capacity, the SWPPP must include documentation which demonstrates that all options were considered and for each option explains why it is considered infeasible.

In no case shall the runoff reduction achieved from the newly constructed impervious areas be less than the Minimum RRv as calculated using the criteria in Section 4.3 of the Design Manual. The remaining portion of the total WQv that cannot be reduced shall be treated by application of standard SMPs.

(iii) Channel Protection Volume ("Cpv"): Provide 24 hour extended detention of the post-developed 1-year, 24-hour storm event; remaining after runoff reduction. The Cpv requirement does not apply when:
(1) Reduction of the entire Cpv is achieved by application of runoff reduction techniques or infiltration systems, or
(2) The site discharges directly to tidal waters, or fifth order or larger streams.

(iv) *Overbank* Flood Control Criteria ("Qp"): Requires storage to attenuate the post-development 10-year, 24-hour peak discharge rate (Qp) to predevelopment rates. The Qp requirement does not apply when:
(1) the site discharges directly to tidal waters or fifth order or larger streams, or
(2) A downstream analysis reveals that *overbank* control is not required.

(v) Extreme Flood Control Criteria ("Qf"): Requires storage to attenuate the post-development 100-year, 24-hour peak discharge rate (Qf) to predevelopment rates. The Qf requirement does not apply when:
(1) the site discharges directly to tidal waters or fifth order or larger streams, or
(2) A downstream analysis reveals that *overbank* control is not required.

b. *Sizing Criteria* for *New Development* in Enhanced Phosphorus Removal Watershed

(i) Runoff Reduction Volume (RRv): Reduce the total Water Quality Volume (WQv) by application of RR techniques and standard SMPs with RRv capacity. The total WQv is the runoff volume from the 1-year, 24 hour design storm over the post-developed watershed and shall be

calculated in accordance with the criteria in Section 10.3 of the Design Manual.

(ii) Minimum RRv and Treatment of Remaining Total WQv: *Construction activities* that cannot meet the criteria in Part I.C.2.b.(i) of this permit due to *site limitations* shall direct runoff from all newly constructed *impervious areas* to a RR technique or standard SMP with RRv capacity unless *infeasible*. The specific *site limitations* that prevent the reduction of 100% of the WQv shall be documented in the SWPPP. For each *impervious area* that is not directed to a RR technique or standard SMP with RRv capacity, the SWPPP must include documentation which demonstrates that all options were considered and for each option explains why it is considered *infeasible.*

In no case shall the runoff reduction achieved from the newly constructed *impervious areas* be less than the Minimum RRv as calculated using the criteria in Section 10.3 of the Design Manual. The remaining portion of the total WQv that cannot be reduced shall be treated by application of standard SMPs.

(iii) Channel Protection Volume (Cpv): Provide 24 hour extended detention of the post-developed 1-year, 24-hour storm event; remaining after runoff reduction. The Cpv requirement does not apply when:
(1) Reduction of the entire Cpv is achieved by application of runoff reduction techniques or infiltration systems, or
(2) The site *discharge*s directly to tidal waters, or fifth order or larger streams.

(iv) *Overbank* Flood Control Criteria (Qp): Requires storage to attenuate the post-development 10-year, 24-hour peak *discharge* rate (Qp) to predevelopment rates. The Qp requirement does not apply when:
(1) the site *discharge*s directly to tidal waters or fifth order or larger streams, or
(2) A downstream analysis reveals that *overbank* control is not required.

(v) Extreme Flood Control Criteria (Qf): Requires storage to attenuate the post-development 100-year, 24-hour peak *discharge* rate (Qf) to predevelopment rates. The Qf requirement does not apply when:
(1) the site *discharge*s directly to tidal waters or fifth order or larger streams, or
(2) A downstream analysis reveals that *overbank* control is not required.

c. Sizing Criteria for Redevelopment Activity

(i) Water Quality Volume (WQv): The WQv treatment objective for *redevelopment activity* shall be addressed by one of the following options. *Redevelopment activities* located in an Enhanced Phosphorus Removal Watershed (see Part III.B.3. and Appendix C of this permit) shall calculate the WQv in accordance with Section 10.3 of the Design Manual. All other *redevelopment activities* shall calculate the WQv in accordance with Section 4.2 of the Design Manual.

(1) Reduce the existing *impervious cover* by a minimum of 25% of the total disturbed, *impervious area*. The Soil Restoration criteria in Section 5.1.6 of the Design Manual must be applied to all newly created pervious areas, or

(2) Capture and treat a minimum of 25% of the WQv from the disturbed, *impervious area* by the application of standard SMPs; or reduce 25% of the WQv from the disturbed, *impervious area* by the application of RR techniques or standard SMPs with RRv capacity., or

(3) Capture and treat a minimum of 75% of the WQv from the disturbed, *impervious area* as well as any additional runoff from tributary areas by application of the alternative practices discussed in Sections 9.3 and 9.4 of the Design Manual., or

(4) Application of a combination of 1, 2 and 3 above that provide a weighted average of at least two of the above methods. Application of this method shall be in accordance with the criteria in Section 9.2.1(B) (IV) of the Design Manual.

If there is an existing post-construction stormwater management practice located on the site that captures and treats runoff from the *impervious area* that is being disturbed, the WQv treatment option selected must, at a minimum, provide treatment equal to the treatment that was being provided by the existing practice(s) if that treatment is greater than the treatment required by options 1 – 4 above.

(ii) Channel Protection Volume (Cpv): Not required if there are no changes to hydrology that increase the *discharge* rate from the project site.

(iii) *Overbank* Flood Control Criteria (Qp): Not required if there are no changes to hydrology that increase the *discharge* rate from the project site.

(iv) Extreme Flood Control Criteria (Qf): Not required if there are no changes to hydrology that increase the *discharge* rate from the project site

d. Sizing Criteria for Combination of Redevelopment Activity and New Development

Construction projects that include both New Development and Redevelopment Activity shall provide post-construction stormwater management controls that meet the sizing criteria calculated as an aggregate of the Sizing Criteria in Part I.C.2.a. or b. of this permit for the New Development portion of the project and Part I.C.2.c of this permit for Redevelopment Activity portion of the project.

D. Maintaining Water Quality

The Department expects that compliance with the conditions of this permit will control *discharge*s necessary to meet applicable *water quality standards*. It shall be a violation of the *ECL* for any discharge to either cause or contribute to a violation of *water quality standards* as contained in Parts 700 through 705 of Title 6 of the Official Compilation of Codes, Rules and Regulations of the State of New York, such as:

1. There shall be no increase in turbidity that will cause a substantial visible contrast to natural conditions;

2. There shall be no increase in suspended, colloidal or settleable solids that will cause deposition or impair the waters for their best usages; and

3. There shall be no residue from oil and floating substances, nor visible oil film, nor globules of grease.

If there is evidence indicating that the stormwater *discharge*s authorized by this permit are causing, have the reasonable potential to cause, or are contributing to a violation of the *water quality standards*; the *owner or operator* must take appropriate corrective action in accordance with Part IV.C.5. of this general permit and document in accordance with Part IV.C.4. of this general permit. To address the *water quality standard* violation the *owner or operator* may need to provide additional information, include and implement appropriate controls in the SWPPP to correct the problem, or obtain an individual SPDES permit.

If there is evidence indicating that despite compliance with the terms and conditions of this general permit it is demonstrated that the stormwater *discharge*s authorized by this permit are causing or contributing to a violation of *water quality standards*, or if the Department determines that a modification of the permit is necessary to prevent a violation of *water quality standards*, the authorized *discharge*s will no longer be eligible for coverage under this permit. The Department may require the *owner or operator* to obtain an individual SPDES permit to continue discharging.

E. Eligibility Under This General Permit

1. This permit may authorize all *discharges* of stormwater from *construction activity* to *surface waters of the State* and *groundwaters* except for ineligible *discharges* identified under subparagraph F. of this Part.

2. Except for non-stormwater *discharges* explicitly listed in the next paragraph, this permit only authorizes stormwater *discharge*s; including stormwater runoff, snowmelt runoff, and surface runoff and drainage, from *construction activities*.

3. Notwithstanding paragraphs E.1 and E.2 above, the following non-stormwater discharges are authorized by this permit: those listed in 6 NYCRR 750-1.2(a)(29)(vi), with the following exception: "Discharges from firefighting activities are authorized only when the firefighting activities are emergencies/unplanned"; waters to which other components have not been added that are used to control dust in accordance with the SWPPP; and uncontaminated *discharge*s from *construction site* de-watering operations. All non-stormwater discharges must be identified in the SWPPP. Under all circumstances, the *owner or operator* must still comply with *water quality standards* in Part I.D of this permit.

4. The *owner or operator* must maintain permit eligibility to *discharge* under this permit. Any *discharges* that are not compliant with the eligibility conditions of this permit are not authorized by the permit and the *owner or operator* must either apply for a separate permit to cover those ineligible *discharges* or take steps necessary to make the *discharge* eligible for coverage.

F. Activities Which Are Ineligible for Coverage Under This General Permit

All of the following are **not** authorized by this permit:

1. *Discharge*s after *construction activities* have been completed and the site has undergone *final stabilization*;

2. *Discharge*s that are mixed with sources of non-stormwater other than those expressly authorized under subsection E.3. of this Part and identified in the SWPPP required by this permit;

3. *Discharges* that are required to obtain an individual SPDES permit or another SPDES general permit pursuant to Part VII.K. of this permit;

4. *Construction activities* or *discharges* from *construction activities* that may adversely affect an *endangered or threatened species* unless the *owner or*

operator has obtained a permit issued pursuant to 6 NYCRR Part 182 for the project or the Department has issued a letter of non-jurisdiction for the project. All documentation necessary to demonstrate eligibility shall be maintained on site in accordance with Part II.D.2 of this permit;

5. *Discharges* which either cause or contribute to a violation of *water quality standards* adopted pursuant to the *ECL* and its accompanying regulations;

6. *Construction activities* for residential, commercial and institutional projects:

   a. Where the *discharge*s from the *construction activities* are tributary to waters of the state classified as AA or AA-s; and

   b. Which are undertaken on land with no existing *impervious cover*; and

   c. Which disturb one (1) or more acres of land designated on the current United States Department of Agriculture ("USDA") Soil Survey as Soil Slope Phase "D", (provided the map unit name is inclusive of slopes greater than 25%), or Soil Slope Phase "E" or "F" (regardless of the map unit name), or a combination of the three designations.

7. *Construction activities* for linear transportation projects and linear utility projects:

   a. Where the *discharge*s from the *construction activities* are tributary to waters of the state classified as AA or AA-s; and

   b. Which are undertaken on land with no existing *impervious cover*; and

   c. Which disturb two (2) or more acres of land designated on the current USDA Soil Survey as Soil Slope Phase "D" (provided the map unit name is inclusive of slopes greater than 25%), or Soil Slope Phase "E" or "F" (regardless of the map unit name), or a combination of the three designations.

8. *Construction activities* that have the potential to affect an *historic property*, unless there is documentation that such impacts have been resolved. The following documentation necessary to demonstrate eligibility with this requirement shall be maintained on site in accordance with Part II.D.2 of this permit and made available to the Department in accordance with Part VII.F of this permit:

   a. Documentation that the *construction activity* is not within an archeologically sensitive area indicated on the sensitivity map, and that the *construction activity* is not located on or immediately adjacent to a property listed or determined to be eligible for listing on the National or State Registers of Historic Places, and that there is no new permanent building on the *construction site* within the following distances from a building, structure, or object that is more than 50 years old, or if there is such a new permanent building on the *construction site* within those parameters that NYS Office of Parks, Recreation and Historic Preservation (OPRHP), a Historic Preservation Commission of a Certified Local Government, or a qualified preservation professional has determined that the building, structure, or object more than 50 years old is not historically/archeologically significant.

      - 1-5 acres of disturbance - 20 feet
      - 5-20 acres of disturbance - 50 feet
      - 20+ acres of disturbance - 100 feet, or

   b. DEC consultation form sent to OPRHP, and copied to the NYS DEC Agency Historic Preservation Officer (APO), and
      (i) the State Environmental Quality Review (SEQR) Environmental Assessment Form (EAF) with a negative declaration or the Findings Statement, with documentation of OPRHP's agreement with the resolution; or
      (ii) documentation from OPRHP that the *construction activity* will result in No Impact; or
      (iii) documentation from OPRHP providing a determination of No Adverse Impact; or
      (iv) a Letter of Resolution signed by the owner/operator, OPRHP and the DEC APO which allows for this *construction activity* to be eligible for coverage under the general permit in terms of the State Historic Preservation Act (SHPA); or

   c. Documentation of satisfactory compliance with Section 106 of the National Historic Preservation Act for a coterminous project area:

(i) No Affect
(ii) No Adverse Affect
(iii) Executed Memorandum of Agreement, or

d. Documentation that:

(i) SHPA Section 14.09 has been completed by NYS DEC or another state agency.

9. *Discharge*s from *construction activities* that are subject to an existing SPDES individual or general permit where a SPDES permit for *construction activity* has been terminated or denied; or where the *owner or operator* has failed to renew an expired individual permit.

Part II. PERMIT COVERAGE

A. How to Obtain Coverage

1. An *owner or operator* of a *construction activity* that is not subject to the requirements of a regulated, traditional land use control MS4 must first prepare a SWPPP in accordance with all applicable requirements of this permit and then submit a completed Notice of Intent (NOI) to the Department to be authorized to discharge under this permit.

2. An *owner or operator* of a *construction activity* that is subject to the requirements of a *regulated, traditional land use control MS4* must first prepare a SWPPP in accordance with all applicable requirements of this permit and then have the SWPPP reviewed and accepted by the *regulated, traditional land use control MS4* prior to submitting the NOI to the Department. The *owner or operator* shall have the “MS4 SWPPP Acceptance” form signed in accordance with Part VII.H., and then submit that form along with a completed NOI to the Department.

3. The requirement for an *owner or operator* to have its SWPPP reviewed and accepted by the *regulated, traditional land use control MS4* prior to submitting the NOI to the Department does not apply to an *owner or operator* that is obtaining permit coverage in accordance with the requirements in Part II.F. (Change of *Owner or Operator*) or where the *owner or operator* of the *construction activity* is the *regulated, traditional land use control MS4* . This exemption does not apply to *construction activities* subject to the New York City Administrative Code.

B. Notice of Intent (NOI) Submittal

1. Prior to December 21, 2020, an owner or operator shall use either the electronic (eNOI) or paper version of the NOI that the Department prepared. Both versions of the NOI are located on the Department's website (http://www.dec.ny.gov/). The paper version of the NOI shall be signed in accordance with Part VII.H. of this permit and submitted to the following address:

   NOTICE OF INTENT
   NYS DEC, Bureau of Water Permits
   625 Broadway, 4th Floor
   Albany, New York 12233-3505

2. Beginning December 21, 2020 and in accordance with EPA's 2015 NPDES Electronic Reporting Rule (40 CFR Part 127), the *owner or operator* must submit the NOI electronically using the *Department's* online NOI.

3. The *owner or operator* shall have the SWPPP preparer sign the "SWPPP Preparer Certification" statement on the NOI prior to submitting the form to the Department.

4. As of the date the NOI is submitted to the Department, the *owner or operator* shall make the NOI and SWPPP available for review and copying in accordance with the requirements in Part VII.F. of this permit.

C. Permit Authorization

1. An *owner or operator* shall not *commence construction activity* until their authorization to *discharge* under this permit goes into effect.

2. Authorization to *discharge* under this permit will be effective when the *owner or operator* has satisfied all of the following criteria:

   a. project review pursuant to the State Environmental Quality Review Act ("SEQRA") have been satisfied, when SEQRA is applicable. See the Department's website (http://www.dec.ny.gov/) for more information,

   b. where required, all necessary Department permits subject to the *Uniform Procedures Act ("UPA")* (see 6 NYCRR Part 621), or the equivalent from another New York State agency, have been obtained, unless otherwise notified by the Department pursuant to 6 NYCRR 621.3(a)(4). *Owners or operators* of *construction activities* that are required to obtain *UPA* permits

must submit a preliminary SWPPP to the appropriate DEC Permit Administrator at the Regional Office listed in Appendix F at the time all other necessary *UPA* permit applications are submitted. The preliminary SWPPP must include sufficient information to demonstrate that the *construction activity* qualifies for authorization under this permit,

c. the final SWPPP has been prepared, and

d. a complete NOI has been submitted to the Department in accordance with the requirements of this permit.

3. An *owner or operator* that has satisfied the requirements of Part II.C.2 above will be authorized to *discharge* stormwater from their *construction activity* in accordance with the following schedule:

   a. For *construction activities* that are not subject to the requirements of a *regulated, traditional land use control MS4*:

      (i) Five (5) business days from the date the Department receives a complete electronic version of the NOI (eNOI) for *construction activities* with a SWPPP that has been prepared in conformance with the design criteria in the technical standard referenced in Part III.B.1 and the *performance criteria* in the technical standard referenced in Parts III.B., 2 or 3, for *construction activities* that require post-construction stormwater management practices pursuant to Part III.C.; or

      (ii) Sixty (60) business days from the date the Department receives a complete NOI (electronic or paper version) for *construction activities* with a SWPPP that has not been prepared in conformance with the design criteria in technical standard referenced in Part III.B.1. or, for *construction activities* that require post-construction stormwater management practices pursuant to Part III.C., the *performance criteria* in the technical standard referenced in Parts III.B., 2 or 3, or;

      (iii) Ten (10) business days from the date the Department receives a complete paper version of the NOI for *construction activities* with a SWPPP that has been prepared in conformance with the design criteria in the technical standard referenced in Part III.B.1 and the *performance criteria* in the technical standard referenced in Parts III.B., 2 or 3, for *construction activities* that require post-construction stormwater management practices pursuant to Part III.C.

b. For *construction activities* that are subject to the requirements of a *regulated, traditional land use control MS4*:

(i) Five (5) business days from the date the Department receives both a complete electronic version of the NOI (eNOI) and signed "*MS4* SWPPP Acceptance" form, or

(ii) Ten (10) business days from the date the Department receives both a complete paper version of the NOI and signed "MS4 SWPPP Acceptance" form.

4. Coverage under this permit authorizes stormwater *discharges* from only those areas of disturbance that are identified in the NOI. If an *owner or operator* wishes to have stormwater *discharges* from future or additional areas of disturbance authorized, they must submit a new NOI that addresses that phase of the development, unless otherwise notified by the Department. The *owner or operator* shall not *commence construction activity* on the future or additional areas until their authorization to *discharge* under this permit goes into effect in accordance with Part II.C. of this permit.

D. General Requirements For Owners or Operators With Permit Coverage

1. The *owner or operator* shall 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 Department in accordance with Part V. of this permit. This includes any changes made to the SWPPP pursuant to Part III.A.4. of this permit.

2. The *owner or operator* shall maintain a copy of the General Permit (GP-0-20-001), NOI, *NOI Acknowledgment Letter*, SWPPP, MS4 SWPPP Acceptance form, inspection reports, responsible contractor's or subcontractor's certification statement (see Part III.A.6.), and all documentation necessary to demonstrate eligibility with this permit at the *construction site* until all disturbed areas have achieved *final stabilization* and the NOT has been submitted to the Department. The documents must be maintained in a secure location, such as a job trailer, on-site construction office, or mailbox with lock. The secure location must be accessible during normal business hours to an individual performing a compliance inspection.

3. The *owner or operator* of a *construction activity* shall not disturb greater than five (5) acres of soil at any one time without prior written authorization from the Department or, in areas under the jurisdiction of a *regulated, traditional land*

use control MS4, the *regulated, traditional land use control MS4* (provided the *regulated, traditional land use control MS4* is not the *owner or operator* of the *construction activity*). At a minimum, the *owner or operator* must comply with the following requirements in order to be authorized to disturb greater than five (5) acres of soil at any one time:

a. The *owner or operator* shall have a *qualified inspector* conduct **at least** two (2) site inspections in accordance with Part IV.C. of this permit every seven (7) calendar days, for as long as greater than five (5) acres of soil remain disturbed. The two (2) inspections shall be separated by a minimum of two (2) full calendar days.

b. In areas where soil disturbance activity has temporarily or permanently ceased, the application of soil stabilization measures must be initiated by the end of the next business day and completed within seven (7) days from the date the current soil disturbance activity ceased. The soil stabilization measures selected shall be in conformance with the technical standard, New York State Standards and Specifications for Erosion and Sediment Control, dated November 2016.

c. The *owner or operator* shall prepare a phasing plan that defines maximum disturbed area per phase and shows required cuts and fills.

d. The *owner or operator* shall install any additional site-specific practices needed to protect water quality.

e. The *owner or operator* shall include the requirements above in their SWPPP.

4. In accordance with statute, regulations, and the terms and conditions of this permit, the Department may suspend or revoke an *owner's or operator's* coverage under this permit at any time if the Department determines that the SWPPP does not meet the permit requirements or consistent with Part VII.K..

5. Upon a finding of significant non-compliance with the practices described in the SWPPP or violation of this permit, the Department may order an immediate stop to all activity at the site until the non-compliance is remedied. The stop work order shall be in writing, describe the non-compliance in detail, and be sent to the *owner or operator*.

6. For *construction activities* that are subject to the requirements of a *regulated, traditional land use control MS4*, the *owner or operator* shall notify the

regulated, traditional land use control MS4 in writing of any planned amendments or modifications to the post-construction stormwater management practice component of the SWPPP required by Part III.A. 4. and 5. of this permit. Unless otherwise notified by the *regulated, traditional land use control MS4*, the *owner or operator* shall have the SWPPP amendments or modifications reviewed and accepted by the *regulated, traditional land use control MS4* prior to commencing construction of the post-construction stormwater management practice.

E. Permit Coverage for Discharges Authorized Under GP-0-15-002

1. Upon renewal of SPDES General Permit for Stormwater Discharges from *Construction Activity* (Permit No. GP-0-15-002), an *owner or operator* of *a construction activity* with coverage under GP-0-15-002, as of the effective date of GP- 0-20-001, shall be authorized to *discharge* in accordance with GP- 0-20-001, unless otherwise notified by the Department.

   An *owner or operator* may continue to implement the technical/design components of the post-construction stormwater management controls provided that such design was done in conformance with the technical standards in place at the time of initial project authorization. However, they must comply with the other, non-design provisions of GP-0-20-001.

F. Change of Owner or Operator

1. When property ownership changes or when there is a change in operational control over the construction plans and specifications, the original *owner or operator* must notify the new *owner or operator*, in writing, of the requirement to obtain permit coverage by submitting a NOI with the Department. For *construction activities* subject to the requirements of a *regulated, traditional land use control MS4,* the original *owner or operator* must also notify the MS4, in writing, of the change in ownership at least 30 calendar days prior to the change in ownership.

2. Once the new *owner or operator* obtains permit coverage, the original *owner or operator* shall then submit a completed NOT with the name and permit identification number of the new *owner or operator* to the Department at the address in Part II.B.1. of this permit. If the original *owner or operator* maintains ownership of a portion of the *construction activity* and will disturb soil, they must maintain their coverage under the permit.

3. Permit coverage for the new *owner or operator* will be effective as of the date the Department receives a complete NOI, provided the original *owner or*

operator was not subject to a sixty (60) business day authorization period that has not expired as of the date the Department receives the NOI from the new *owner or operator*.

Part III. STORMWATER POLLUTION PREVENTION PLAN (SWPPP)

A. General SWPPP Requirements

1. A SWPPP shall be prepared and implemented by the *owner or operator* of each *construction activity* covered by this permit. The SWPPP must document the selection, design, installation, implementation and maintenance of the control measures and practices that will be used to meet the effluent limitations in Part I.B. of this permit and where applicable, the post-construction stormwater management practice requirements in Part I.C. of this permit. The SWPPP shall be prepared prior to the submittal of the NOI. The NOI shall be submitted to the Department prior to the *commencement of construction activity*. A copy of the completed, final NOI shall be included in the SWPPP.

2. The SWPPP shall describe the erosion and sediment control practices and where required, post-construction stormwater management practices that will be used and/or constructed to reduce the *pollutants* in stormwater *discharges* and to assure compliance with the terms and conditions of this permit. In addition, the SWPPP shall identify potential sources of pollution which may reasonably be expected to affect the quality of stormwater *discharges*.

3. All SWPPPs that require the post-construction stormwater management practice component shall be prepared by a *qualified professional* that is knowledgeable in the principles and practices of stormwater management and treatment.

4. The *owner or operator* must keep the SWPPP current so that it at all times accurately documents the erosion and sediment controls practices that are being used or will be used during construction, and all post-construction stormwater management practices that will be constructed on the site. At a minimum, the *owner or operator* shall amend the SWPPP, including construction drawings:

    a. whenever the current provisions prove to be ineffective in minimizing *pollutants* in stormwater *discharges* from the site;

b. whenever there is a change in design, construction, or operation at the *construction site* that has or could have an effect on the *discharge* of *pollutants*;

c. to address issues or deficiencies identified during an inspection by the *qualified inspector,* the Department or other regulatory authority; and

d. to document the final construction conditions.

5. The Department may notify the *owner or operator* at any time that the SWPPP does not meet one or more of the minimum requirements of this permit. The notification shall be in writing and identify the provisions of the SWPPP that require modification. Within fourteen (14) calendar days of such notification, or as otherwise indicated by the Department, the *owner or operator* shall make the required changes to the SWPPP and submit written notification to the Department that the changes have been made. If the *owner or operator* does not respond to the Department's comments in the specified time frame, the Department may suspend the *owner's or operator's* coverage under this permit or require the *owner or operator* to obtain coverage under an individual SPDES permit in accordance with Part II.D.4. of this permit.

6. Prior to the *commencement of construction activity*, the *owner or operator* must identify the contractor(s) and subcontractor(s) that will be responsible for installing, constructing, repairing, replacing, inspecting and maintaining the erosion and sediment control practices included in the SWPPP; and the contractor(s) and subcontractor(s) that will be responsible for constructing the post-construction stormwater management practices included in the SWPPP. The *owner or operator* shall have each of the contractors and subcontractors identify at least one person from their company that will be responsible for implementation of the SWPPP. This person shall be known as the *trained contractor.* The *owner or operator* shall ensure that at least one *trained contractor* is on site on a daily basis when soil disturbance activities are being performed.

   The *owner or operator* shall have each of the contractors and subcontractors identified above sign a copy of the following certification statement below before they commence any *construction activity*:

   "I hereby certify under penalty of law 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 *discharge*s from *construction activities* and that it is unlawful for any person to cause or contribute to a violation of *water quality standards*. Furthermore, I am aware that there are significant penalties for submitting false information, that I do not believe to be true, including the possibility of fine and imprisonment for knowing violations"

In addition to providing the certification statement above, the certification page must also identify the specific elements of the SWPPP that each contractor and subcontractor will be responsible for and include the name and title of the person providing the signature; the name and title of the *trained contractor* responsible for SWPPP implementation; the name, address and telephone number of the contracting firm; the address (or other identifying description) of the site; and the date the certification statement is signed. The *owner or operator* shall attach the certification statement(s) to the copy of the SWPPP that is maintained at the *construction site*. If new or additional contractors are hired to implement measures identified in the SWPPP after construction has commenced, they must also sign the certification statement and provide the information listed above.

7. For projects where the Department requests a copy of the SWPPP or inspection reports, the *owner or operator* shall submit the documents in both electronic (PDF only) and paper format within five (5) business days, unless otherwise notified by the Department.

B. Required SWPPP Contents

1. Erosion and sediment control component - All SWPPPs prepared pursuant to this permit shall include erosion and sediment control practices designed in conformance with the technical standard, New York State Standards and Specifications for Erosion and Sediment Control, dated November 2016. Where erosion and sediment control practices are not designed in conformance with the design criteria included in the technical standard, the *owner or operator* must demonstrate *equivalence* to the technical standard. At a minimum, the erosion and sediment control component of the SWPPP shall include the following:

    a. Background information about the scope of the project, including the location, type and size of project

b. A site map/construction drawing(s) for the project, including a general location map. At a minimum, the site map shall show the total site area; all improvements; areas of disturbance; areas that will not be disturbed; existing vegetation; on-site and adjacent off-site surface water(s); floodplain/floodway boundaries; wetlands and drainage patterns that could be affected by the *construction activity*; existing and final contours ; locations of different soil types with boundaries; material, waste, borrow or equipment storage areas located on adjacent properties; and location(s) of the stormwater *discharge*(s);

c. A description of the soil(s) present at the site, including an identification of the Hydrologic Soil Group (HSG);

d. A construction phasing plan and sequence of operations describing the intended order of *construction activities*, including clearing and grubbing, excavation and grading, utility and infrastructure installation and any other activity at the site that results in soil disturbance;

e. A description of the minimum erosion and sediment control practices to be installed or implemented for each *construction activity* that will result in soil disturbance. Include a schedule that identifies the timing of initial placement or implementation of each erosion and sediment control practice and the minimum time frames that each practice should remain in place or be implemented;

f. A temporary and permanent soil stabilization plan that meets the requirements of this general permit and the technical standard, New York State Standards and Specifications for Erosion and Sediment Control, dated November 2016, for each stage of the project, including initial land clearing and grubbing to project completion and achievement of *final stabilization*;

g. A site map/construction drawing(s) showing the specific location(s), size(s), and length(s) of each erosion and sediment control practice;

h. The dimensions, material specifications, installation details, and operation and maintenance requirements for all erosion and sediment control practices. Include the location and sizing of any temporary sediment basins and structural practices that will be used to divert flows from exposed soils;

i. A maintenance inspection schedule for the contractor(s) identified in Part III.A.6. of this permit, to ensure continuous and effective operation of the erosion and sediment control practices. The maintenance inspection

schedule shall be in accordance with the requirements in the technical standard, New York State Standards and Specifications for Erosion and Sediment Control, dated November 2016;

j. A description of the pollution prevention measures that will be used to control litter, construction chemicals and construction debris from becoming a *pollutant* source in the stormwater *discharges*;

k. A description and location of any stormwater *discharges* associated with industrial activity other than construction at the site, including, but not limited to, stormwater *discharges* from asphalt plants and concrete plants located on the *construction site*; and

l. Identification of any elements of the design that are not in conformance with the design criteria in the technical standard, New York State Standards and Specifications for Erosion and Sediment Control, dated November 2016. Include the reason for the deviation or alternative design and provide information which demonstrates that the deviation or alternative design is *equivalent* to the technical standard.

2. Post-construction stormwater management practice component – The *owner or operator* of any construction project identified in Table 2 of Appendix B as needing post-construction stormwater management practices shall prepare a SWPPP that includes practices designed in conformance with the applicable *sizing criteria* in Part I.C.2.a., c. or d. of this permit and the *performance criteria* in the technical standard, New York State Stormwater Management Design Manual dated January 2015

   Where post-construction stormwater management practices are not designed in conformance with the *performance criteria* in the technical standard, the *owner or operator* must include in the SWPPP the reason(s) for the deviation or alternative design and provide information which demonstrates that the deviation or alternative design is *equivalent* to the technical standard.

   The post-construction stormwater management practice component of the SWPPP shall include the following:

   a. Identification of all post-construction stormwater management practices to be constructed as part of the project. Include the dimensions, material specifications and installation details for each post-construction stormwater management practice;

b. A site map/construction drawing(s) showing the specific location and size of each post-construction stormwater management practice;

c. A Stormwater Modeling and Analysis Report that includes:
   (i) Map(s) showing pre-development conditions, including watershed/subcatchments boundaries, flow paths/routing, and design points;

   (ii) Map(s) showing post-development conditions, including watershed/subcatchments boundaries, flow paths/routing, design points and post-construction stormwater management practices;

   (iii) Results of stormwater modeling (i.e. hydrology and hydraulic analysis) for the required storm events. Include supporting calculations (model runs), methodology, and a summary table that compares pre and post-development runoff rates and volumes for the different storm events;

   (iv) Summary table, with supporting calculations, which demonstrates that each post-construction stormwater management practice has been designed in conformance with the *sizing criteria* included in the Design Manual;

   (v) Identification of any *sizing criteria* that is not required based on the requirements included in Part I.C. of this permit; and

   (vi) Identification of any elements of the design that are not in conformance with the *performance criteria* in the Design Manual. Include the reason(s) for the deviation or alternative design and provide information which demonstrates that the deviation or alternative design is *equivalent* to the Design Manual;

d. Soil testing results and locations (test pits, borings);

e. Infiltration test results, when required; and

f. An operations and maintenance plan that includes inspection and maintenance schedules and actions to ensure continuous and effective operation of each post-construction stormwater management practice. The plan shall identify the entity that will be responsible for the long term operation and maintenance of each practice.

3. Enhanced Phosphorus Removal Standards - All construction projects identified in Table 2 of Appendix B that are located in the watersheds identified in Appendix C shall prepare a SWPPP that includes post-construction stormwater management practices designed in conformance with the applicable *sizing criteria* in Part I.C.2. b., c. or d. of this permit and the *performance criteria,* Enhanced Phosphorus Removal Standards included in the Design Manual. At a minimum, the post-construction stormwater management practice component of the SWPPP shall include items 2.a - 2.f. above.

C. Required SWPPP Components by Project Type

Unless otherwise notified by the Department, *owners or operators* of *construction activities* identified in Table 1 of Appendix B are required to prepare a SWPPP that only includes erosion and sediment control practices designed in conformance with Part III.B.1 of this permit. *Owners or operators* of the *construction activities* identified in Table 2 of Appendix B shall prepare a SWPPP that also includes post-construction stormwater management practices designed in conformance with Part III.B.2 or 3 of this permit.

Part IV. INSPECTION AND MAINTENANCE REQUIREMENTS

A. General Construction Site Inspection and Maintenance Requirements

1. The *owner or operator* must ensure that all erosion and sediment control practices (including pollution prevention measures) and all post-construction stormwater management practices identified in the SWPPP are inspected and maintained in accordance with Part IV.B. and C. of this permit.

2. The terms of this permit shall not be construed to prohibit the State of New York from exercising any authority pursuant to the ECL, common law or federal law, or prohibit New York State from taking any measures, whether civil or criminal, to prevent violations of the laws of the State of New York or protect the public health and safety and/or the environment.

B. Contractor Maintenance Inspection Requirements

1. The *owner or operator* of each *construction activity* identified in Tables 1 and 2 of Appendix B shall have a *trained contractor* inspect the erosion and sediment control practices and pollution prevention measures being implemented within the active work area daily to ensure that they are being maintained in effective operating condition at all times. If deficiencies are identified, the contractor shall

begin implementing corrective actions within one business day and shall complete the corrective actions in a reasonable time frame.

2. For construction sites where soil disturbance activities have been temporarily suspended (e.g. winter shutdown) and *temporary stabilization* measures have been applied to all disturbed areas, the *trained contractor* can stop conducting the maintenance inspections. The *trained contractor* shall begin conducting the maintenance inspections in accordance with Part IV.B.1. of this permit as soon as soil disturbance activities resume.

3. For construction sites where soil disturbance activities have been shut down with partial project completion, the *trained contractor* can stop conducting the maintenance 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.

C. Qualified Inspector Inspection Requirements

The *owner or operator* shall have a *qualified inspector* conduct site inspections in conformance with the following requirements:

[Note: The *trained contractor* identified in Part III.A.6. and IV.B. of this permit **cannot** conduct the *qualified inspector* site inspections unless they meet the *qualified inspector* qualifications included in Appendix A. In order to perform these inspections, the *trained contractor* would have to be a:

- licensed Professional Engineer,
- Certified Professional in Erosion and Sediment Control (CPESC),
- New York State Erosion and Sediment Control Certificate Program holder
- Registered Landscape Architect, or
- someone working under the direct supervision of, and at the same company as, the licensed Professional Engineer or Registered Landscape Architect, provided they have received four (4) hours of Department endorsed training in proper erosion and sediment control principles from a Soil and Water Conservation District, or other Department endorsed entity].

1. A *qualified inspector* shall conduct site inspections for all *construction activities* identified in Tables 1 and 2 of Appendix B, with the exception of:

   a. the construction of a single family residential subdivision with 25% or less *impervious cover* at total site build-out that involves a soil disturbance of one (1) or more acres of land but less than five (5) acres and is not located

in one of the watersheds listed in Appendix C and not directly discharging to one of the 303(d) segments listed in Appendix E;

b. the construction of a single family home that involves a soil disturbance of one (1) or more acres of land but less than five (5) acres and is not located in one of the watersheds listed in Appendix C and not directly discharging to one of the 303(d) segments listed in Appendix E;

c. construction on agricultural property that involves a soil disturbance of one (1) or more acres of land but less than five (5) acres; and

d. *construction activities* located in the watersheds identified in Appendix D that involve soil disturbances between five thousand (5,000) square feet and one (1) acre of land.

2. Unless otherwise notified by the Department, the *qualified inspector* shall conduct site inspections in accordance with the following timetable:

a. For construction sites where soil disturbance activities are on-going, the *qualified inspector* shall conduct a site inspection at least once every seven (7) calendar days.

b. For construction sites where soil disturbance activities are on-going and the *owner or operator* has received authorization in accordance with Part II.D.3 to disturb greater than five (5) acres of soil at any one time, the *qualified inspector* shall conduct at least two (2) site inspections every seven (7) calendar days. The two (2) inspections shall be separated by a minimum of two (2) full calendar days.

c. For construction sites where 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 DOW Water (SPDES) Program contact at the Regional Office (see contact information in Appendix F) or, in areas under the jurisdiction of a *regulated, traditional land use control MS4,* the *regulated, traditional land use control MS4* (provided the *regulated, traditional land use control MS4* is not the *owner or operator* of the *construction activity*) in writing prior to reducing the frequency of inspections.

d. For construction sites where 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 DOW Water (SPDES) Program contact at the Regional Office (see contact information in Appendix F) or, in areas under the jurisdiction of a *regulated, traditional land use control MS4,* the *regulated, traditional land use control MS4* (provided the *regulated, traditional land use control MS4* is not the *owner or operator* of the *construction activity*) in writing prior to the shutdown. If soil disturbance activities are not resumed within 2 years from the date of shutdown, the *owner or operator* shall have the *qualified inspector* 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 NOT. The *owner or operator* shall then submit the completed NOT form to the address in Part II.B.1 of this permit.

e. For construction sites that directly *discharge* to one of the 303(d) segments listed in Appendix E or is located in one of the watersheds listed in Appendix C, the *qualified inspector* shall conduct at least two (2) site inspections every seven (7) calendar days. The two (2) inspections shall be separated by a minimum of two (2) full calendar days.

3. At a minimum, the *qualified inspector* shall inspect all erosion and sediment control practices and pollution prevention measures to ensure integrity and effectiveness, all post-construction stormwater management practices under construction to ensure that they are constructed in conformance with the SWPPP, all areas of disturbance that have not achieved *final stabilization,* all points of *discharge* to natural surface waterbodies located within, or immediately adjacent to, the property boundaries of the *construction site*, and all points of *discharge* from the *construction site*.

4. The *qualified inspector* shall prepare an inspection report subsequent to each and every inspection. At a minimum, the inspection report shall include and/or address the following:

a. Date and time of inspection;

b. Name and title of person(s) performing inspection;

c. A description of the weather and soil conditions (e.g. dry, wet, saturated) at the time of the inspection;

d. 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;

e. A description of the condition of all natural surface waterbodies 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 waterbody;

f. Identification of all erosion and sediment control practices and pollution prevention measures that need repair or maintenance;

g. Identification of all erosion and sediment control practices and pollution prevention measures that were not installed properly or are not functioning as designed and need to be reinstalled or replaced;

h. Description and sketch of areas with active soil disturbance activity, areas that have been disturbed but are inactive at the time of the inspection, and areas that have been stabilized (temporary and/or final) since the last inspection;

i. Current phase of construction of all post-construction stormwater management practices and identification of all construction that is not in conformance with the SWPPP and technical standards;

j. Corrective action(s) that must be taken to install, repair, replace or maintain erosion and sediment control practices and pollution prevention measures; and to correct deficiencies identified with the construction of the post-construction stormwater management practice(s);

k. Identification and status of all corrective actions that were required by previous inspection; and

l. Digital photographs, with date stamp, that clearly show the condition of all practices that have been identified as needing corrective actions. The *qualified inspector* shall attach paper color copies of the digital photographs to the inspection report being maintained onsite within seven (7) calendar days of the date of the inspection. The *qualified inspector* shall also take digital photographs, with date stamp, that clearly show the condition of the practice(s) after the corrective action has been completed. The *qualified inspector* shall attach paper color copies of the digital photographs to the inspection report that documents the completion of the corrective action work within seven (7) calendar days of that inspection.

5. Within one business day of the completion of an inspection, the *qualified inspector* shall notify the *owner or operator* and appropriate contractor or subcontractor identified in Part III.A.6. of this permit 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.

6. All inspection reports shall be signed by the *qualified inspector.* Pursuant to Part II.D.2. of this permit, the inspection reports shall be maintained on site with the SWPPP.

Part V. TERMINATION OF PERMIT COVERAGE

A. Termination of Permit Coverage

1. An *owner or operator* that is eligible to terminate coverage under this permit must submit a completed NOT form to the address in Part II.B.1 of this permit. The NOT form shall be one which is associated with this permit, signed in accordance with Part VII.H of this permit.

2. An *owner or operator* may terminate coverage when one or more the following conditions have been met:

   a. Total project completion - All *construction activity* identified in the SWPPP has been completed; and all areas of disturbance have achieved *final stabilization*; and all temporary, structural erosion and sediment control measures have been removed; and all post-construction stormwater management practices have been constructed in conformance with the SWPPP and are operational;

b. Planned shutdown with partial project completion - All soil disturbance activities have ceased; and all areas disturbed as of the project shutdown date have achieved *final stabilization*; and all temporary, structural erosion and sediment control measures have been removed; 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;

c. A new *owner or operator* has obtained coverage under this permit in accordance with Part II.F. of this permit.

d. The *owner or operator* obtains coverage under an alternative SPDES general permit or an individual SPDES permit.

3. For *construction activities* meeting subdivision 2a. or 2b. of this Part, the *owner or operator* shall have the *qualified inspector* perform a final site inspection prior to submitting the NOT. The *qualified inspector* shall, by signing the "*Final Stabilization*" and "Post-Construction Stormwater Management Practice certification statements on the NOT, certify that all the requirements in Part V.A.2.a. or b. of this permit have been achieved.

4. For *construction activities* that are subject to the requirements of a *regulated, traditional land use control MS4* and meet subdivision 2a. or 2b. of this Part, the *owner or operator* shall have the *regulated, traditional land use control MS4* sign the "MS4 Acceptance" statement on the NOT in accordance with the requirements in Part VII.H. of this permit. The *regulated, traditional land use control MS4* official, by signing this statement, has determined that it is acceptable for the *owner or operator* to submit the NOT in accordance with the requirements of this Part. The *regulated, traditional land use control MS4* can make this determination by performing a final site inspection themselves or by accepting the *qualified inspector*'s final site inspection certification(s) required in Part V.A.3. of this permit.

5. For *construction activities* that require post-construction stormwater management practices and meet subdivision 2a. of this Part, the *owner or operator* must, prior to submitting the NOT, ensure one of the following:

a. the post-construction stormwater management practice(s) and any right-of-way(s) needed to maintain such practice(s) have been deeded to the municipality in which the practice(s) is located,

b. an executed maintenance agreement is in place with the municipality that will maintain the post-construction stormwater management practice(s),

c. for post-construction stormwater management practices that are privately owned, the *owner or operator* has a mechanism in place that requires operation and maintenance of the practice(s) in accordance with the operation and maintenance plan, such as a deed covenant in the *owner or operator's* deed of record,

d. for post-construction stormwater management practices that are owned by a public or private institution (e.g. school, university, hospital), government agency or authority, or public utility; the *owner or operator* has policy and procedures in place that ensures operation and maintenance of the practices in accordance with the operation and maintenance plan.

Part VI. REPORTING AND RETENTION RECORDS

A. Record Retention

The *owner or operator* shall retain a copy of the NOI, NOI Acknowledgment Letter, SWPPP, MS4 SWPPP Acceptance form and any inspection reports that were prepared in conjunction with this permit for a period of at least five (5) years from the date that the Department receives a complete NOT submitted in accordance with Part V. of this general permit.

B. Addresses

With the exception of the NOI, NOT, and MS4 SWPPP Acceptance form (which must be submitted to the address referenced in Part II.B.1 of this permit), all written correspondence requested by the Department, including individual permit applications, shall be sent to the address of the appropriate DOW Water (SPDES) Program contact at the Regional Office listed in Appendix F.

Part VII. STANDARD PERMIT CONDITIONS

A. Duty to Comply

The *owner or operator* must comply with all conditions of this permit. All contractors and subcontractors associated with the project must comply with the terms of the SWPPP. Any non-compliance with this permit constitutes a violation of the Clean Water

Act (CWA) and the ECL and is grounds for an enforcement action against the *owner or operator* and/or the contractor/subcontractor; permit revocation, suspension or modification; or denial of a permit renewal application. Upon a finding of significant non-compliance with this permit or the applicable SWPPP, the Department may order an immediate stop to all *construction activity* at the site until the non-compliance is remedied. The stop work order shall be in writing, shall describe the non-compliance in detail, and shall be sent to the *owner or operator*.

If any human remains or archaeological remains are encountered during excavation, the *owner or operator* must immediately cease, or cause to cease, all *construction activity* in the area of the remains and notify the appropriate Regional Water Engineer (RWE). *Construction activity* shall not resume until written permission to do so has been received from the RWE.

B. Continuation of the Expired General Permit

This permit expires five (5) years from the effective date. If a new general permit is not issued prior to the expiration of this general permit, an *owner or operator* with coverage under this permit may continue to operate and *discharge* in accordance with the terms and conditions of this general permit, if it is extended pursuant to the State Administrative Procedure Act and 6 NYCRR Part 621, until a new general permit is issued.

C. Enforcement

Failure of the *owner or operator,* its contractors, subcontractors, agents and/or assigns to strictly adhere to any of the permit requirements contained herein shall constitute a violation of this permit. There are substantial criminal, civil, and administrative penalties associated with violating the provisions of this permit. Fines of up to $37,500 per day for each violation and imprisonment for up to fifteen (15) years may be assessed depending upon the nature and degree of the offense.

D. Need to Halt or Reduce Activity Not a Defense

It shall not be a defense for an *owner or operator* in an enforcement action that it would have been necessary to halt or reduce the *construction activity* in order to maintain compliance with the conditions of this permit.

E. Duty to Mitigate

The *owner or operator* and its contractors and subcontractors shall take all reasonable steps to *minimize* or prevent any *discharge* in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.

F. Duty to Provide Information

The *owner or operator* shall furnish to the Department, within a reasonable specified time period of a written request, all documentation necessary to demonstrate eligibility and any information to determine compliance with this permit or to determine whether cause exists for modifying or revoking this permit, or suspending or denying coverage under this permit, in accordance with the terms and conditions of this permit. The NOI, SWPPP and inspection reports required by this permit are public documents that the *owner or operator* must make available for review and copying by any person within five (5) business days of the *owner or operator* receiving a written request by any such person to review these documents. Copying of documents will be done at the requester's expense.

G. Other Information

When the *owner or operator* becomes aware that they failed to submit any relevant facts, or submitted incorrect information in the NOI or in any of the documents required by this permit , or have made substantive revisions to the SWPPP (e.g. the scope of the project changes significantly, the type of post-construction stormwater management practice(s) changes, there is a reduction in the sizing of the post-construction stormwater management practice, or there is an increase in the disturbance area or *impervious area*), which were not reflected in the original NOI submitted to the Department, they shall promptly submit such facts or information to the Department using the contact information in Part II.A. of this permit. Failure of the *owner or operator* to correct or supplement any relevant facts within five (5) business days of becoming aware of the deficiency shall constitute a violation of this permit.

H. Signatory Requirements

1. All NOIs and NOTs shall be signed as follows:

    a. For a corporation these forms shall be signed by a responsible corporate officer. For the purpose of this section, a responsible corporate officer means:

(i) a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation; or

(ii) the manager of one or more manufacturing, production or operating facilities, provided the manager is authorized to make management decisions which govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures;

b. For a partnership or sole proprietorship these forms shall be signed by a general partner or the proprietor, respectively; or

c. For a municipality, State, Federal, or other public agency these forms shall be signed by either a principal executive officer or ranking elected official. For purposes of this section, a principal executive officer of a Federal agency includes:

(i) the chief executive officer of the agency, or

(ii) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., Regional Administrators of EPA).

2. The SWPPP and other information requested by the Department shall be signed by a person described in Part VII.H.1. of this permit or by a duly authorized representative of that person. A person is a duly authorized representative only if:

a. The authorization is made in writing by a person described in Part VII.H.1. of this permit;

b. The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity, such as the position of plant manager, operator of a well or a well field,

superintendent, position of *equivalent* responsibility, or an individual or position having overall responsibility for environmental matters for the company. (A duly authorized representative may thus be either a named individual or any individual occupying a named position) and,

c. The written authorization shall include the name, title and signature of the authorized representative and be attached to the SWPPP.

3. All inspection reports shall be signed by the *qualified inspector* that performs the inspection.

4. The MS4 SWPPP Acceptance form shall be signed by the principal executive officer or ranking elected official from the *regulated, traditional land use control MS4,* or by a duly authorized representative of that person.

   It shall constitute a permit violation if an incorrect and/or improper signatory authorizes any required forms, SWPPP and/or inspection reports.

I. Property Rights

The issuance of this permit does not convey any property rights of any sort, nor any exclusive privileges, nor does it authorize any injury to private property nor any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations. *Owners or operators* must obtain any applicable conveyances, easements, licenses and/or access to real property prior to *commencing construction activity*.

J. Severability

The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit shall not be affected thereby.

K. Requirement to Obtain Coverage Under an Alternative Permit

1. The Department may require any owner or operator authorized by this permit to apply for and/or obtain either an individual SPDES permit or another SPDES general permit. When the Department requires any discharger authorized by a general permit to apply for an individual SPDES permit, it shall notify the discharger in writing that a permit application is required. This notice shall

include a brief statement of the reasons for this decision, an application form, a statement setting a time frame for the owner or operator to file the application for an individual SPDES permit, and a deadline, not sooner than 180 days from owner or operator receipt of the notification letter, whereby the authorization to discharge under this general permit shall be terminated. Applications must be submitted to the appropriate Permit Administrator at the Regional Office. The Department may grant additional time upon demonstration, to the satisfaction of the Department, that additional time to apply for an alternative authorization is necessary or where the Department has not provided a permit determination in accordance with Part 621 of this Title.

2. When an individual SPDES permit is issued to a discharger authorized to *discharge* under a general SPDES permit for the same *discharge*(s), the general permit authorization for outfalls authorized under the individual SPDES permit is automatically terminated on the effective date of the individual permit unless termination is earlier in accordance with 6 NYCRR Part 750.

L. Proper Operation and Maintenance

The *owner or operator* shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the *owner or operator* to achieve compliance with the conditions of this permit and with the requirements of the SWPPP.

M. Inspection and Entry

The *owner or operator* shall allow an authorized representative of the Department, EPA, applicable county health department, or, in the case of a *construction site* which *discharges* through an *MS4*, an authorized representative of the *MS4* receiving the discharge, upon the presentation of credentials and other documents as may be required by law, to:

1. Enter upon the owner’s or operator's premises where a regulated facility or activity is located or conducted or where records must be kept under the conditions of this permit;

2. Have access to and copy at reasonable times, any records that must be kept under the conditions of this permit; and

3. Inspect at reasonable times any facilities or equipment (including monitoring and control equipment), practices or operations regulated or required by this permit.

4. Sample or monitor at reasonable times, for purposes of assuring permit compliance or as otherwise authorized by the Act or ECL, any substances or parameters at any location.

N. Permit Actions

This permit may, at any time, be modified, suspended, revoked, or renewed by the Department in accordance with 6 NYCRR Part 621. The filing of a request by the *owner or operator* for a permit modification, revocation and reissuance, termination, a notification of planned changes or anticipated noncompliance does not limit, diminish and/or stay compliance with any terms of this permit.

O. Definitions

Definitions of key terms are included in Appendix A of this permit.

P. Re-Opener Clause

1. If there is evidence indicating potential or realized impacts on water quality due to any stormwater discharge associated with construction activity covered by this permit, the owner or operator of such discharge may be required to obtain an individual permit or alternative general permit in accordance with Part VII.K. of this permit or the permit may be modified to include different limitations and/or requirements.

2. Any Department initiated permit modification, suspension or revocation will be conducted in accordance with 6 NYCRR Part 621, 6 NYCRR 750-1.18, and 6 NYCRR 750-1.20.

Q. Penalties for Falsification of Forms and Reports

In accordance with 6NYCRR Part 750-2.4 and 750-2.5, any person who knowingly makes any false material statement, representation, or certification in any application, record, report or other document filed or required to be maintained under this permit, including reports of compliance or noncompliance shall, upon conviction, be punished in accordance with ECL §71-1933 and or Articles 175 and 210 of the New York State Penal Law.

R. Other Permits

Nothing in this permit relieves the *owner or operator* from a requirement to obtain any other permits required by law.

APPENDIX A – Acronyms and Definitions

Acronyms

APO – Agency Preservation Officer
BMP – Best Management Practice
CPESC – Certified Professional in Erosion and Sediment Control
Cpv – Channel Protection Volume
CWA – Clean Water Act (or the Federal Water Pollution Control Act, 33 U.S.C. §1251 et seq)
DOW – Division of Water
EAF – Environmental Assessment Form
ECL - Environmental Conservation Law
EPA – U. S. Environmental Protection Agency
HSG – Hydrologic Soil Group
MS4 – Municipal Separate Storm Sewer System
NOI – Notice of Intent
NOT – Notice of Termination
NPDES – National Pollutant Discharge Elimination System
OPRHP – Office of Parks, Recreation and Historic Places
Qf – Extreme Flood
Qp – Overbank Flood
RRv – Runoff Reduction Volume
RWE – Regional Water Engineer
SEQR – State Environmental Quality Review
SEQRA - State Environmental Quality Review Act
SHPA – State Historic Preservation Act
SPDES – State Pollutant Discharge Elimination System
SWPPP – Stormwater Pollution Prevention Plan
TMDL – Total Maximum Daily Load
UPA – Uniform Procedures Act
USDA – United States Department of Agriculture
WQv – Water Quality Volume

Definitions

All definitions in this section are solely for the purposes of this permit.

Agricultural Building – a structure designed and constructed to house farm implements, hay, grain, poultry, livestock or other horticultural products; excluding any structure designed, constructed or used, in whole or in part, for human habitation, as a place of employment where agricultural products are processed, treated or packaged, or as a place used by the public.

Agricultural Property –means the land for construction of a barn, *agricultural building*, silo, stockyard, pen or other structural practices identified in Table II in the "Agricultural Management Practices Catalog for Nonpoint Source Pollution in New York State" prepared by the Department in cooperation with agencies of New York Nonpoint Source Coordinating Committee (dated June 2007).

Alter Hydrology from Pre to Post-Development Conditions - means the post-development peak flow rate(s) has increased by more than 5% of the pre-developed condition for the design storm of interest (e.g. 10 yr and 100 yr).

Combined Sewer - means a sewer that is designed to collect and convey both "sewage" and "stormwater".

Commence (Commencement of) Construction Activities - means the initial disturbance of soils associated with clearing, grading or excavation activities; or other construction related activities that disturb or expose soils such as demolition, stockpiling of fill material, and the initial installation of erosion and sediment control practices required in the SWPPP. See definition for "*Construction Activity(ies)*" also.

Construction Activity(ies) - means any clearing, grading, excavation, filling, demolition or stockpiling activities that result in soil disturbance. Clearing activities can include, but are not limited to, logging equipment operation, the cutting and skidding of trees, stump removal and/or brush root removal. Construction activity does not include routine maintenance that is performed to maintain the original line and grade, hydraulic capacity, or original purpose of a facility.

Construction Site – means the land area where *construction activity(ies)* will occur. See definition for "*Commence (Commencement of) Construction Activities"* and "*Larger Common Plan of Development or Sale" also.*

Dewatering – means the act of draining rainwater and/or groundwater from building foundations, vaults or excavations/trenches.

Direct Discharge (to a specific surface waterbody) - means that runoff flows from a *construction site* by overland flow and the first point of discharge is the specific surface waterbody, or runoff flows from a *construction site* to a separate storm sewer system

and the first point of discharge from the separate storm sewer system is the specific surface waterbody.

Discharge(s) - means any addition of any pollutant to waters of the State through an outlet or *point source*.

Embankment –means an earthen or rock slope that supports a road/highway.

Endangered or Threatened Species – see 6 NYCRR Part 182 of the Department's rules and regulations for definition of terms and requirements.

Environmental Conservation Law (ECL) - means chapter 43-B of the Consolidated Laws of the State of New York, entitled the Environmental Conservation Law.

Equivalent (Equivalence) – means that the practice or measure meets all the performance, longevity, maintenance, and safety objectives of the technical standard and will provide an equal or greater degree of water quality protection.

Final Stabilization - means that all soil disturbance activities have ceased and a uniform, perennial vegetative cover with a density of eighty (80) percent over the entire pervious surface has been established; or other equivalent stabilization measures, such as permanent landscape mulches, rock rip-rap or washed/crushed stone have been applied on all disturbed areas that are not covered by permanent structures, concrete or pavement.

General SPDES permit - means a SPDES permit issued pursuant to 6 NYCRR Part 750-1.21 and Section 70-0117 of the ECL authorizing a category of discharges.

Groundwater(s) - means waters in the saturated zone. The saturated zone is a subsurface zone in which all the interstices are filled with water under pressure greater than that of the atmosphere. Although the zone may contain gas-filled interstices or interstices filled with fluids other than water, it is still considered saturated.

Historic Property – means any building, structure, site, object or district that is listed on the State or National Registers of Historic Places or is determined to be eligible for listing on the State or National Registers of Historic Places.

Impervious Area (Cover) - means all impermeable surfaces that cannot effectively infiltrate rainfall. This includes paved, concrete and gravel surfaces (i.e. parking lots, driveways, roads, runways and sidewalks); building rooftops and miscellaneous impermeable structures such as patios, pools, and sheds.

Infeasible – means not technologically possible, or not economically practicable and achievable in light of best industry practices.

Larger Common Plan of Development or Sale - means a contiguous area where multiple separate and distinct *construction activities* are occurring, or will occur, under one plan. The term “plan” in “larger common plan of development or sale” is broadly defined as any announcement or piece of documentation (including a sign, public notice or hearing, marketing plan, advertisement, drawing, permit application, State Environmental Quality Review Act (SEQRA) environmental assessment form or other documents, zoning request, computer design, etc.) or physical demarcation (including boundary signs, lot stakes, surveyor markings, etc.) indicating that *construction activities* may occur on a specific plot.

For discrete construction projects that are located within a larger common plan of development or sale that are at least 1/4 mile apart, each project can be treated as a separate plan of development or sale provided any interconnecting road, pipeline or utility project that is part of the same “common plan” is not concurrently being disturbed.

Minimize – means reduce and/or eliminate to the extent achievable using control measures (including best management practices) that are technologically available and economically practicable and achievable in light of best industry practices.

Municipal Separate Storm Sewer (MS4) - a conveyance or system of conveyances (including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, man-made channels, or storm drains):

(i) Owned or operated by a State, city, town, borough, county, parish, district, association, or other public body (created by or pursuant to State law) having jurisdiction over disposal of sewage, industrial wastes, stormwater, or other wastes, including special districts under State law such as a sewer district, flood control district or drainage district, or similar entity, or an Indian tribe or an authorized Indian tribal organization, or a designated and approved management agency under section 208 of the CWA that discharges to surface waters of the State*;*
(ii) Designed or used for collecting or conveying stormwater;
(iii) Which is not a *combined sewer*; and
(iv) Which is not part of a Publicly Owned Treatment Works (POTW) as defined at 40 CFR 122.2.

National Pollutant Discharge Elimination System (NPDES) - means the national system for the issuance of wastewater and stormwater permits under the Federal Water Pollution Control Act (Clean Water Act).

Natural Buffer –means an undisturbed area with natural cover running along a surface water (e.g. wetland, stream, river, lake, etc.).

New Development – means any land disturbance that does not meet the definition of Redevelopment Activity included in this appendix.

New York State Erosion and Sediment Control Certificate Program – a certificate program that establishes and maintains a process to identify and recognize individuals who are capable of developing, designing, inspecting and maintaining erosion and sediment control plans on projects that disturb soils in New York State. The certificate program is administered by the New York State Conservation District Employees Association.

NOI Acknowledgment Letter - means the letter that the Department sends to an owner or operator to acknowledge the Department's receipt and acceptance of a complete Notice of Intent. This letter documents the owner's or operator's authorization to discharge in accordance with the general permit for stormwater discharges from *construction activity*.

Nonpoint Source - means any source of water pollution or pollutants which is not a discrete conveyance or *point source* permitted pursuant to Title 7 or 8 of Article 17 of the Environmental Conservation Law (see ECL Section 17-1403).

Overbank –means flow events that exceed the capacity of the stream channel and spill out into the adjacent floodplain.

Owner or Operator - means the person, persons or legal entity which owns or leases the property on which the *construction activity* is occurring; an entity that has operational control over the construction plans and specifications, including the ability to make modifications to the plans and specifications; and/or an entity that has day-to-day operational control of those activities at a project that are necessary to ensure compliance with the permit conditions.

Performance Criteria – means the design criteria listed under the "Required Elements" sections in Chapters 5, 6 and 10 of the technical standard, New York State Stormwater Management Design Manual, dated January 2015. It does not include the Sizing Criteria (i.e. WQv, RRv, Cpv, Qp and Qf) in Part I.C.2. of the permit.

Point Source - means any discernible, confined and discrete conveyance, including but not limited to any pipe, ditch, channel, tunnel, conduit, well, discrete fissure, container, rolling stock, concentrated animal feeding operation, vessel or other floating craft, or landfill leachate collection system from which *pollutants* are or may be discharged.

Pollutant - means dredged spoil, filter backwash, solid waste, incinerator residue, sewage, garbage, sewage sludge, munitions, chemical wastes, biological materials, radioactive materials, heat, wrecked or discarded equipment, rock, sand and industrial, municipal, agricultural waste and ballast discharged into water; which may cause or might reasonably be expected to cause pollution of the waters of the state in contravention of the standards or guidance values adopted as provided in 6 NYCRR Parts 700 et seq .

Qualified Inspector - means a person that is 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), Registered Landscape Architect, New York State Erosion and Sediment Control Certificate Program holder or other Department endorsed individual(s).

It can also mean someone working under the direct supervision of, and at the same company as, the licensed Professional Engineer or Registered Landscape Architect, provided that 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 the individual working under the direct supervision of the licensed Professional Engineer or Registered Landscape Architect has received four (4) hours of Department endorsed training in proper erosion and sediment control principles from a Soil and Water Conservation District, or other Department endorsed entity. After receiving the initial training, the individual working under the direct supervision of the licensed Professional Engineer or Registered Landscape Architect shall receive four (4) hours of training every three (3) years.

It can also mean a person that meets the *Qualified Professional* qualifications in addition to the *Qualified Inspector* qualifications.

Note: Inspections of any post-construction stormwater management practices that include structural components, such as a dam for an impoundment, shall be performed by a licensed Professional Engineer.

Qualified Professional - means a person that is knowledgeable in the principles and practices of stormwater management and treatment, such as a licensed Professional Engineer, Registered Landscape Architect or other Department endorsed individual(s). Individuals preparing SWPPPs that require the post-construction stormwater management practice component must have an understanding of the principles of hydrology, water quality management practice design, water quantity control design, and, in many cases, the principles of hydraulics. All components of the SWPPP that involve the practice of engineering, as defined by the NYS Education Law (see Article 145), shall be prepared by, or under the direct supervision of, a professional engineer licensed to practice in the State of New York.

Redevelopment Activity(ies) – means the disturbance and reconstruction of existing impervious area, including impervious areas that were removed from a project site within five (5) years of preliminary project plan submission to the local government (i.e. site plan, subdivision, etc.).

Regulated, Traditional Land Use Control MS4 - means a city, town or village with land use control authority that is authorized to discharge under New York State DEC's

SPDES General Permit For Stormwater Discharges from Municipal Separate Stormwater Sewer Systems (MS4s) or the City of New York's Individual SPDES Permit for their Municipal Separate Storm Sewer Systems (NY-0287890).

Routine Maintenance Activity - means *construction activity* that is performed to maintain the original line and grade, hydraulic capacity, or original purpose of a facility, including, but not limited to:

- Re-grading of gravel roads or parking lots,
- Cleaning and shaping of existing roadside ditches and culverts that maintains the approximate original line and grade, and hydraulic capacity of the ditch,
- Cleaning and shaping of existing roadside ditches that does not maintain the approximate original grade, hydraulic capacity and purpose of the ditch if the changes to the line and grade, hydraulic capacity or purpose of the ditch are installed to improve water quality and quantity controls (e.g. installing grass lined ditch),
- Placement of aggregate shoulder backing that stabilizes the transition between the road shoulder and the ditch or *embankment*,
- Full depth milling and filling of existing asphalt pavements, replacement of concrete pavement slabs, and similar work that does not expose soil or disturb the bottom six (6) inches of subbase material,
- Long-term use of equipment storage areas at or near highway maintenance facilities,
- Removal of sediment from the edge of the highway to restore a previously existing sheet-flow drainage connection from the highway surface to the highway ditch or *embankment*,
- Existing use of Canal Corp owned upland disposal sites for the canal, and
- Replacement of curbs, gutters, sidewalks and guide rail posts.

Site limitations – means site conditions that prevent the use of an infiltration technique and or infiltration of the total WQv. Typical site limitations include: seasonal high groundwater, shallow depth to bedrock, and soils with an infiltration rate less than 0.5 inches/hour. The existence of site limitations shall be confirmed and documented using actual field testing (i.e. test pits, soil borings, and infiltration test) or using information from the most current United States Department of Agriculture (USDA) Soil Survey for the County where the project is located.

Sizing Criteria – means the criteria included in Part I.C.2 of the permit that are used to size post-construction stormwater management control practices. The criteria include; Water Quality Volume (WQv), Runoff Reduction Volume (RRv), Channel Protection Volume (Cpv), *Overbank* Flood (Qp), and Extreme Flood (Qf).

State Pollutant Discharge Elimination System (SPDES) - means the system established pursuant to Article 17 of the ECL and 6 NYCRR Part 750 for issuance of permits authorizing discharges to the waters of the state.

Steep Slope – means land area designated on the current United States Department of Agriculture ("USDA") Soil Survey as Soil Slope Phase "D", (provided the map unit name is inclusive of slopes greater than 25%) , or Soil Slope Phase E or F, (regardless of the map unit name), or a combination of the three designations.

Streambank – as used in this permit, means the terrain alongside the bed of a creek or stream. The bank consists of the sides of the channel, between which the flow is confined.

Stormwater Pollution Prevention Plan (SWPPP) – means a project specific report, including construction drawings, that among other things: describes the construction activity(ies), identifies the potential sources of pollution at the *construction site*; describes and shows the stormwater controls that will be used to control the pollutants (i.e. erosion and sediment controls; for many projects, includes post-construction stormwater management controls); and identifies procedures the *owner or operator* will implement to comply with the terms and conditions of the permit. See Part III of the permit for a complete description of the information that must be included in the SWPPP.

Surface Waters of the State - shall be construed to include lakes, bays, sounds, ponds, impounding reservoirs, springs, rivers, streams, creeks, estuaries, marshes, inlets, canals, the Atlantic ocean within the territorial seas of the state of New York and all other bodies of surface water, natural or artificial, inland or coastal, fresh or salt, public or private (except those private waters that do not combine or effect a junction with natural surface waters), which are wholly or partially within or bordering the state or within its jurisdiction. Waters of the state are further defined in 6 NYCRR Parts 800 to 941.

Temporarily Ceased – means that an existing disturbed area will not be disturbed again within 14 calendar days of the previous soil disturbance.

Temporary Stabilization - means that exposed soil has been covered with material(s) as set forth in the technical standard, New York Standards and Specifications for Erosion and Sediment Control, to prevent the exposed soil from eroding. The materials can include, but are not limited to, mulch, seed and mulch, and erosion control mats (e.g. jute twisted yarn, excelsior wood fiber mats).

Total Maximum Daily Loads (TMDLs) - A TMDL is the sum of the allowable loads of a single pollutant from all contributing point and *nonpoint source*s. It is a calculation of the maximum amount of a pollutant that a waterbody can receive on a daily basis and still meet *water quality standards*, and an allocation of that amount to the pollutant's sources. A TMDL stipulates wasteload allocations (WLAs) for *point source* discharges, load allocations (LAs) for *nonpoint source*s, and a margin of safety (MOS).

Trained Contractor - means an employee from the contracting (construction) company, identified in Part III.A.6., that has received four (4) hours of Department endorsed

training in proper erosion and sediment control principles from a Soil and Water Conservation District, or other Department endorsed entity. After receiving the initial training, the *trained contractor* shall receive four (4) hours of training every three (3) years.

It can also mean an employee from the contracting (construction) company, identified in Part III.A.6., that meets the *qualified inspector* qualifications (e.g. licensed Professional Engineer, Certified Professional in Erosion and Sediment Control (CPESC), Registered Landscape Architect, New York State Erosion and Sediment Control Certificate Program holder, or someone working under the direct supervision of, and at the same company as, the licensed Professional Engineer or Registered Landscape Architect, provided they have received four (4) hours of Department endorsed training in proper erosion and sediment control principles from a Soil and Water Conservation District, or other Department endorsed entity).

The *trained contractor* is responsible for the day to day implementation of the SWPPP.

Uniform Procedures Act (UPA) Permit - means a permit required under 6 NYCRR Part 621 of the Environmental Conservation Law (ECL), Article 70.

Water Quality Standard - means such measures of purity or quality for any waters in relation to their reasonable and necessary use as promulgated in 6 NYCRR Part 700 et seq.

APPENDIX B – Required SWPPP Components by Project Type

Table 1
Construction Activities that Require the Preparation of a SWPPP That Only Includes Erosion and Sediment Controls

The following construction activities that involve soil disturbances of one (1) or more acres of land, but less than five (5) acres:

- Single family home not located in one of the watersheds listed in Appendix C or not *directly discharging* to one of the 303(d) segments listed in Appendix E
- Single family residential subdivisions with 25% or less impervious cover at total site build-out and not located in one of the watersheds listed in Appendix C and not directly discharging to one of the 303(d) segments listed in Appendix E
- Construction of a barn or other *agricultural building*, silo, stock yard or pen.

The following construction activities that involve soil disturbances between five thousand (5000) square feet and one (1) acre of land:

All construction activities located in the watersheds identified in Appendix D that involve soil disturbances between five thousand (5,000) square feet and one (1) acre of land.

The following construction activities that involve soil disturbances of one (1) or more acres of land:

- Installation of underground, linear utilities; such as gas lines, fiber-optic cable, cable TV, electric, telephone, sewer mains, and water mains
- Environmental enhancement projects, such as wetland mitigation projects, stormwater retrofits and stream restoration projects
- Pond construction
- Linear bike paths running through areas with vegetative cover, including bike paths surfaced with an impervious cover
- Cross-country ski trails and walking/hiking trails
- Sidewalk, bike path or walking path projects, surfaced with an impervious cover, that are not part of residential, commercial or institutional development;
- Sidewalk, bike path or walking path projects, surfaced with an impervious cover, that include incidental shoulder or curb work along an existing highway to support construction of the sidewalk, bike path or walking path.
- Slope stabilization projects
- Slope flattening that changes the grade of the site, but does not significantly change the runoff characteristics

Table 1 (Continued) CONSTRUCTION ACTIVITIES THAT REQUIRE THE PREPARATION OF A SWPPP THAT ONLY INCLUDES EROSION AND SEDIMENT CONTROLS

The following construction activities that involve soil disturbances of one (1) or more acres of land:

- Spoil areas that will be covered with vegetation
- Vegetated open space projects (i.e. recreational parks, lawns, meadows, fields, downhill ski trails) excluding projects that *alter hydrology from pre to post development* conditions,
- Athletic fields (natural grass) that do not include the construction or reconstruction of *impervious area* and do not *alter hydrology from pre to post development* conditions
- Demolition project where vegetation will be established, and no redevelopment is planned
- Overhead electric transmission line project that does not include the construction of permanent access roads or parking areas surfaced with *impervious cover*
- Structural practices as identified in Table II in the "Agricultural Management Practices Catalog for Nonpoint Source Pollution in New York State", excluding projects that involve soil disturbances of greater than five acres and construction activities that include the construction or reconstruction of impervious area
- Temporary access roads, median crossovers, detour roads, lanes, or other temporary impervious areas that will be restored to pre-construction conditions once the construction activity is complete

Table 2
CONSTRUCTION ACTIVITIES THAT REQUIRE THE PREPARATION OF A SWPPP THAT INCLUDES POST-CONSTRUCTION STORMWATER MANAGEMENT PRACTICES

The following construction activities that involve soil disturbances of one (1) or more acres of land:

- Single family home located in one of the watersheds listed in Appendix C or *directly discharging* to one of the 303(d) segments listed in Appendix E
- Single family home that disturbs five (5) or more acres of land
- Single family residential subdivisions located in one of the watersheds listed in Appendix C or *directly discharging* to one of the 303(d) segments listed in Appendix E
- Single family residential subdivisions that involve soil disturbances of between one (1) and five (5) acres of land with greater than 25% impervious cover at total site build-out
- Single family residential subdivisions that involve soil disturbances of five (5) or more acres of land, and single family residential subdivisions that involve soil disturbances of less than five (5) acres that are part of a larger common plan of development or sale that will ultimately disturb five or more acres of land
- Multi-family residential developments; includes duplexes, townhomes, condominiums, senior housing complexes, apartment complexes, and mobile home parks
- Airports
- Amusement parks
- Breweries, cideries, and wineries, including establishments constructed on agricultural land
- Campgrounds
- Cemeteries that include the construction or reconstruction of impervious area (>5% of disturbed area) or *alter the hydrology from pre to post development* conditions
- Commercial developments
- Churches and other places of worship
- Construction of a barn or other *agricultural building* (e.g. silo) and structural practices as identified in Table II in the "Agricultural Management Practices Catalog for Nonpoint Source Pollution in New York State" that include the construction or reconstruction of *impervious area*, excluding projects that involve soil disturbances of less than five acres.
- Golf courses
- Institutional development; includes hospitals, prisons, schools and colleges
- Industrial facilities; includes industrial parks
- Landfills
- Municipal facilities; includes highway garages, transfer stations, office buildings, POTW's, water treatment plants, and water storage tanks
- Office complexes
- Playgrounds that include the construction or reconstruction of impervious area
- Sports complexes
- Racetracks; includes racetracks with earthen (dirt) surface
- Road construction or reconstruction, including roads constructed as part of the construction activities listed in Table 1

Table 2 (Continued)

CONSTRUCTION ACTIVITIES THAT REQUIRE THE PREPARATION OF A SWPPP THAT INCLUDES POST-CONSTRUCTION STORMWATER MANAGEMENT PRACTICES

The following construction activities that involve soil disturbances of one (1) or more acres of land:

- Parking lot construction or reconstruction, including parking lots constructed as part of the construction activities listed in Table 1
- Athletic fields (natural grass) that include the construction or reconstruction of impervious area (>5% of disturbed area) or *alter the hydrology from pre to post development* conditions
- Athletic fields with artificial turf
- Permanent access roads, parking areas, substations, compressor stations and well drilling pads, surfaced with *impervious cover,* and constructed as part of an over-head electric transmission line project, wind-power project, cell tower project, oil or gas well drilling project, sewer or water main project or other linear utility project
- Sidewalk, bike path or walking path projects, surfaced with an impervious cover, that are part of a residential, commercial or institutional development
- Sidewalk, bike path or walking path projects, surfaced with an impervious cover, that are part of a highway construction or reconstruction project
- All other construction activities that include the construction or reconstruction of *impervious area* or *alter the hydrology from pre to post development* conditions, and are not listed in Table 1

APPENDIX C – Watersheds Requiring Enhanced Phosphorus Removal

Watersheds where *owners or operators* of construction activities identified in Table 2 of Appendix B must prepare a SWPPP that includes post-construction stormwater management practices designed in conformance with the Enhanced Phosphorus Removal Standards included in the technical standard, New York State Stormwater Management Design Manual ("Design Manual").

- Entire New York City Watershed located east of the Hudson River - Figure 1
- Onondaga Lake Watershed - Figure 2
- Greenwood Lake Watershed -Figure 3
- Oscawana Lake Watershed – Figure 4
- Kinderhook Lake Watershed – Figure 5

Figure 1 - New York City Watershed East of the Hudson

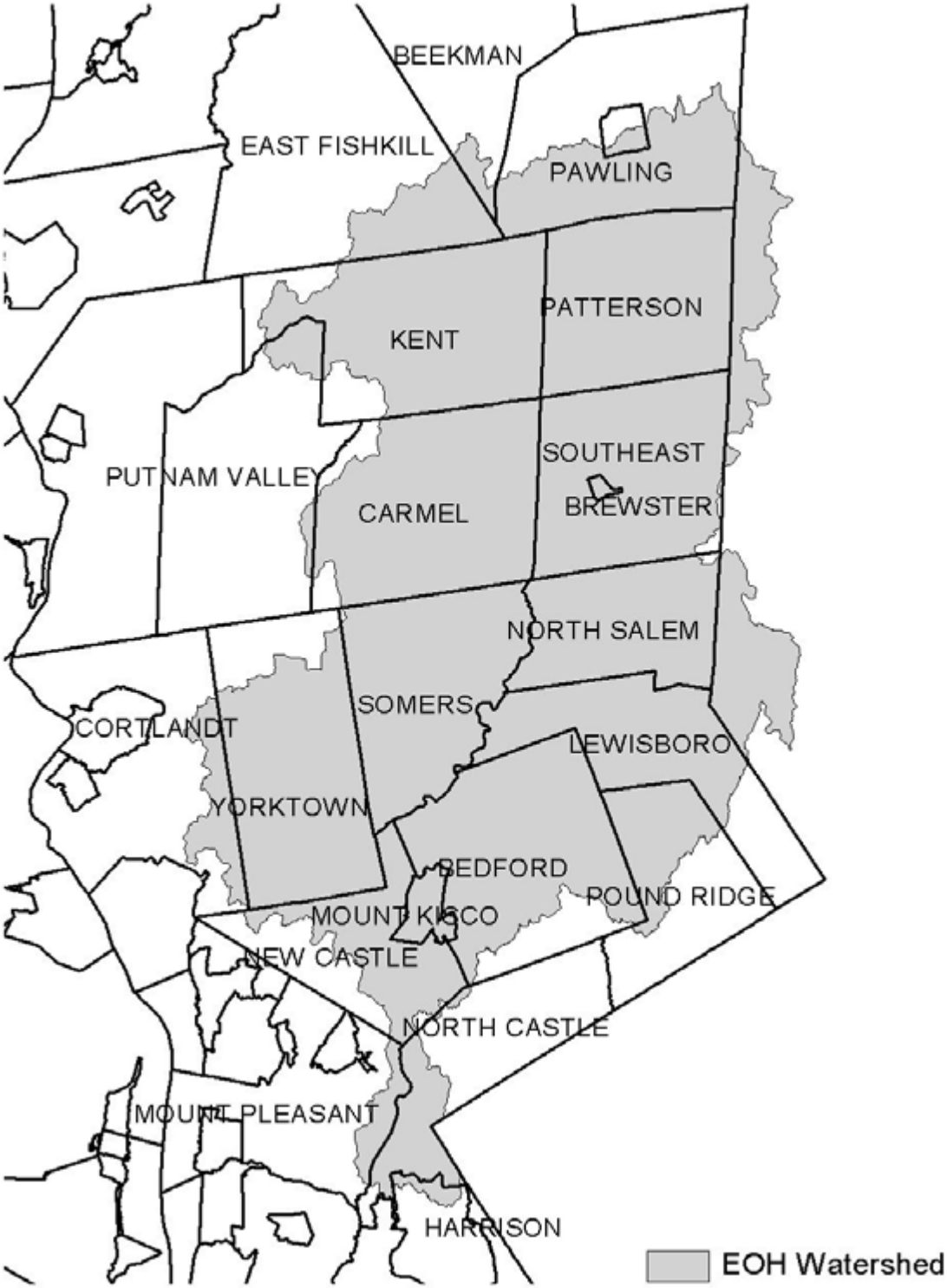


Figure 2 - Onondaga Lake Watershed

Figure 3 - Greenwood Lake Watershed

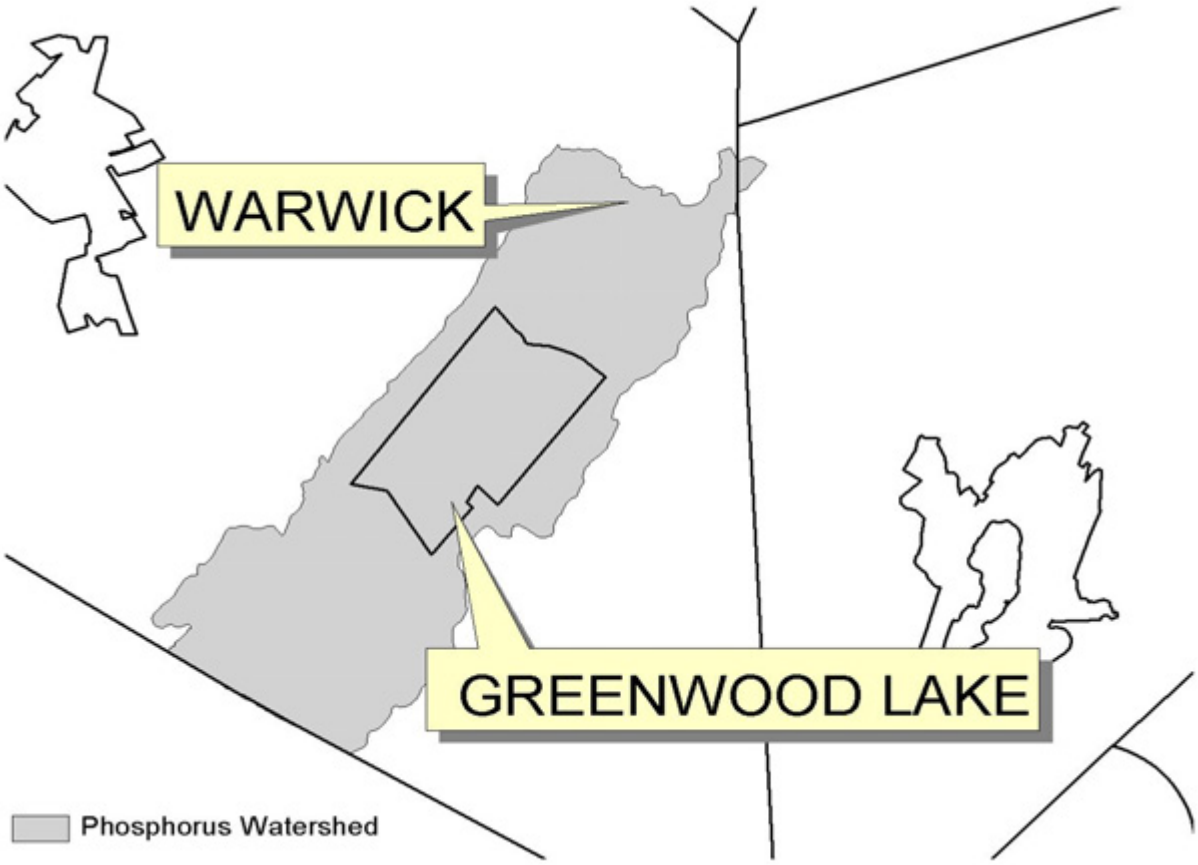


Figure 4 - Oscawana Lake Watershed

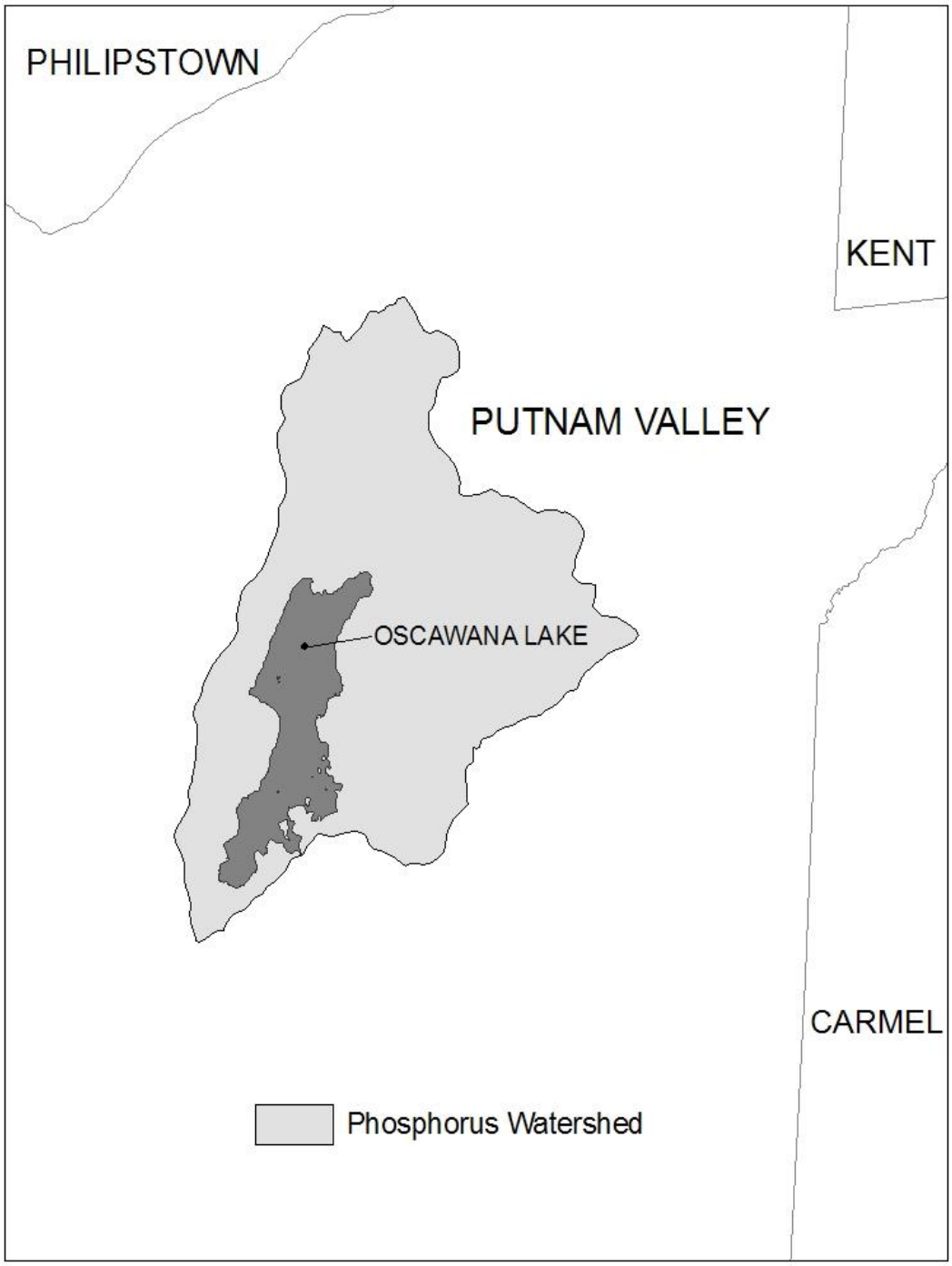
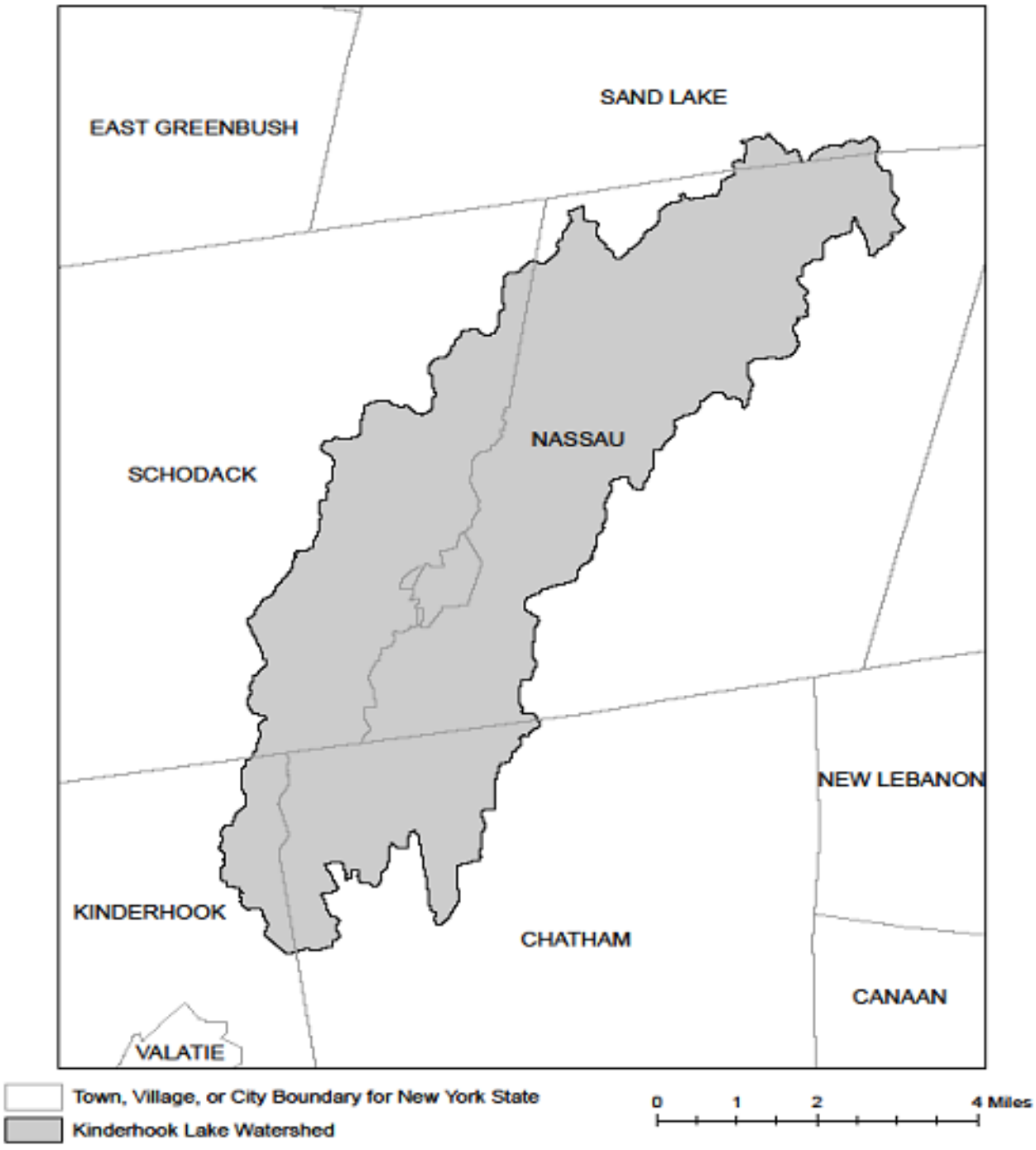


Figure 5 - Kinderhook Lake Watershed



APPENDIX D – Watersheds with Lower Disturbance Threshold

Watersheds where *owners or operators* of construction activities that involve soil disturbances between five thousand (5000) square feet and one (1) acre of land must obtain coverage under this permit.

Entire New York City Watershed that is located east of the Hudson River - See Figure 1 in Appendix C

APPENDIX E – 303(d) Segments Impaired by Construction Related Pollutant(s)

List of 303(d) segments impaired by pollutants related to *construction activity* (e.g. silt, sediment or nutrients). The list was developed using "The Final New York State 2016 Section 303(d) List of Impaired Waters Requiring a TMDL/Other Strategy" dated November 2016. *Owners or operators* of single family home and single family residential subdivisions with 25% or less total impervious cover at total site build-out that involve soil disturbances of one or more acres of land, but less than 5 acres, and *directly discharge* to one of the listed segments below shall prepare a SWPPP that includes post-construction stormwater management practices designed in conformance with the New York State Stormwater Management Design Manual ("Design Manual"), dated January 2015.

COUNTY	WATERBODY	POLLUTANT
Albany	Ann Lee (Shakers) Pond, Stump Pond	Nutrients
Albany	Basic Creek Reservoir	Nutrients
Allegany	Amity Lake, Saunders Pond	Nutrients
Bronx	Long Island Sound, Bronx	Nutrients
Bronx	Van Cortlandt Lake	Nutrients
Broome	Fly Pond, Deer Lake, Sky Lake	Nutrients
Broome	Minor Tribs to Lower Susquehanna (north)	Nutrients
Broome	Whitney Point Lake/Reservoir	Nutrients
Cattaraugus	Allegheny River/Reservoir	Nutrients
Cattaraugus	Beaver (Alma) Lake	Nutrients
Cattaraugus	Case Lake	Nutrients
Cattaraugus	Linlyco/Club Pond	Nutrients
Cayuga	Duck Lake	Nutrients
Cayuga	Little Sodus Bay	Nutrients
Chautauqua	Bear Lake	Nutrients
Chautauqua	Chadakoin River and tribs	Nutrients
Chautauqua	Chautauqua Lake, North	Nutrients
Chautauqua	Chautauqua Lake, South	Nutrients
Chautauqua	Findley Lake	Nutrients
Chautauqua	Hulburt/Clymer Pond	Nutrients
Clinton	Great Chazy River, Lower, Main Stem	Silt/Sediment
Clinton	Lake Champlain, Main Lake, Middle	Nutrients
Clinton	Lake Champlain, Main Lake, North	Nutrients
Columbia	Kinderhook Lake	Nutrients
Columbia	Robinson Pond	Nutrients
Cortland	Dean Pond	Nutrients

303(d) Segments Impaired by Construction Related Pollutant(s)

Dutchess	Fall Kill and tribs	Nutrients
Dutchess	Hillside Lake	Nutrients
Dutchess	Wappingers Lake	Nutrients
Dutchess	Wappingers Lake	Silt/Sediment
Erie	Beeman Creek and tribs	Nutrients
Erie	Ellicott Creek, Lower, and tribs	Silt/Sediment
Erie	Ellicott Creek, Lower, and tribs	Nutrients
Erie	Green Lake	Nutrients
Erie	Little Sister Creek, Lower, and tribs	Nutrients
Erie	Murder Creek, Lower, and tribs	Nutrients
Erie	Rush Creek and tribs	Nutrients
Erie	Scajaquada Creek, Lower, and tribs	Nutrients
Erie	Scajaquada Creek, Middle, and tribs	Nutrients
Erie	Scajaquada Creek, Upper, and tribs	Nutrients
Erie	South Branch Smoke Cr, Lower, and tribs	Silt/Sediment
Erie	South Branch Smoke Cr, Lower, and tribs	Nutrients
Essex	Lake Champlain, Main Lake, South	Nutrients
Essex	Lake Champlain, South Lake	Nutrients
Essex	Willsboro Bay	Nutrients
Genesee	Bigelow Creek and tribs	Nutrients
Genesee	Black Creek, Middle, and minor tribs	Nutrients
Genesee	Black Creek, Upper, and minor tribs	Nutrients
Genesee	Bowen Brook and tribs	Nutrients
Genesee	LeRoy Reservoir	Nutrients
Genesee	Oak Orchard Cr, Upper, and tribs	Nutrients
Genesee	Tonawanda Creek, Middle, Main Stem	Nutrients
Greene	Schoharie Reservoir	Silt/Sediment
Greene	Sleepy Hollow Lake	Silt/Sediment
Herkimer	Steele Creek tribs	Silt/Sediment
Herkimer	Steele Creek tribs	Nutrients
Jefferson	Moon Lake	Nutrients
Kings	Hendrix Creek	Nutrients
Kings	Prospect Park Lake	Nutrients
Lewis	Mill Creek/South Branch, and tribs	Nutrients
Livingston	Christie Creek and tribs	Nutrients
Livingston	Conesus Lake	Nutrients
Livingston	Mill Creek and minor tribs	Silt/Sediment
Monroe	Black Creek, Lower, and minor tribs	Nutrients
Monroe	Buck Pond	Nutrients
Monroe	Cranberry Pond	Nutrients

303(d) Segments Impaired by Construction Related Pollutant(s)

Monroe	Lake Ontario Shoreline, Western	Nutrients
Monroe	Long Pond	Nutrients
Monroe	Mill Creek and tribs	Nutrients
Monroe	Mill Creek/Blue Pond Outlet and tribs	Nutrients
Monroe	Minor Tribs to Irondequoit Bay	Nutrients
Monroe	Rochester Embayment - East	Nutrients
Monroe	Rochester Embayment - West	Nutrients
Monroe	Shipbuilders Creek and tribs	Nutrients
Monroe	Thomas Creek/White Brook and tribs	Nutrients
Nassau	Beaver Lake	Nutrients
Nassau	Camaans Pond	Nutrients
Nassau	East Meadow Brook, Upper, and tribs	Silt/Sediment
Nassau	East Rockaway Channel	Nutrients
Nassau	Grant Park Pond	Nutrients
Nassau	Hempstead Bay	Nutrients
Nassau	Hempstead Lake	Nutrients
Nassau	Hewlett Bay	Nutrients
Nassau	Hog Island Channel	Nutrients
Nassau	Long Island Sound, Nassau County Waters	Nutrients
Nassau	Massapequa Creek and tribs	Nutrients
Nassau	Milburn/Parsonage Creeks, Upp, and tribs	Nutrients
Nassau	Reynolds Channel, west	Nutrients
Nassau	Tidal Tribs to Hempstead Bay	Nutrients
Nassau	Tribs (fresh) to East Bay	Nutrients
Nassau	Tribs (fresh) to East Bay	Silt/Sediment
Nassau	Tribs to Smith/Halls Ponds	Nutrients
Nassau	Woodmere Channel	Nutrients
New York	Harlem Meer	Nutrients
New York	The Lake in Central Park	Nutrients
Niagara	Bergholtz Creek and tribs	Nutrients
Niagara	Hyde Park Lake	Nutrients
Niagara	Lake Ontario Shoreline, Western	Nutrients
Niagara	Lake Ontario Shoreline, Western	Nutrients
Oneida	Ballou, Nail Creeks and tribs	Nutrients
Onondaga	Harbor Brook, Lower, and tribs	Nutrients
Onondaga	Ley Creek and tribs	Nutrients
Onondaga	Minor Tribs to Onondaga Lake	Nutrients
Onondaga	Ninemile Creek, Lower, and tribs	Nutrients
Onondaga	Onondaga Creek, Lower, and tribs	Nutrients
Onondaga	Onondaga Creek, Middle, and tribs	Nutrients

303(d) Segments Impaired by Construction Related Pollutant(s)

Onondaga	Onondaga Lake, northern end	Nutrients
Onondaga	Onondaga Lake, southern end	Nutrients
Ontario	Great Brook and minor tribs	Silt/Sediment
Ontario	Great Brook and minor tribs	Nutrients
Ontario	Hemlock Lake Outlet and minor tribs	Nutrients
Ontario	Honeoye Lake	Nutrients
Orange	Greenwood Lake	Nutrients
Orange	Monhagen Brook and tribs	Nutrients
Orange	Orange Lake	Nutrients
Orleans	Lake Ontario Shoreline, Western	Nutrients
Orleans	Lake Ontario Shoreline, Western	Nutrients
Oswego	Lake Neatahwanta	Nutrients
Oswego	Pleasant Lake	Nutrients
Putnam	Bog Brook Reservoir	Nutrients
Putnam	Boyd Corners Reservoir	Nutrients
Putnam	Croton Falls Reservoir	Nutrients
Putnam	Diverting Reservoir	Nutrients
Putnam	East Branch Reservoir	Nutrients
Putnam	Lake Carmel	Nutrients
Putnam	Middle Branch Reservoir	Nutrients
Putnam	Oscawana Lake	Nutrients
Putnam	Palmer Lake	Nutrients
Putnam	West Branch Reservoir	Nutrients
Queens	Bergen Basin	Nutrients
Queens	Flushing Creek/Bay	Nutrients
Queens	Jamaica Bay, Eastern, and tribs (Queens)	Nutrients
Queens	Kissena Lake	Nutrients
Queens	Meadow Lake	Nutrients
Queens	Willow Lake	Nutrients
Rensselaer	Nassau Lake	Nutrients
Rensselaer	Snyders Lake	Nutrients
Richmond	Grasmere Lake/Bradys Pond	Nutrients
Rockland	Congers Lake, Swartout Lake	Nutrients
Rockland	Rockland Lake	Nutrients
Saratoga	Ballston Lake	Nutrients
Saratoga	Dwaas Kill and tribs	Silt/Sediment
Saratoga	Dwaas Kill and tribs	Nutrients
Saratoga	Lake Lonely	Nutrients
Saratoga	Round Lake	Nutrients
Saratoga	Tribs to Lake Lonely	Nutrients

303(d) Segments Impaired by Construction Related Pollutant(s)

Schenectady	Collins Lake	Nutrients
Schenectady	Duane Lake	Nutrients
Schenectady	Mariaville Lake	Nutrients
Schoharie	Engleville Pond	Nutrients
Schoharie	Summit Lake	Nutrients
Seneca	Reeder Creek and tribs	Nutrients
St.Lawrence	Black Lake Outlet/Black Lake	Nutrients
St.Lawrence	Fish Creek and minor tribs	Nutrients
Steuben	Smith Pond	Nutrients
Suffolk	Agawam Lake	Nutrients
Suffolk	Big/Little Fresh Ponds	Nutrients
Suffolk	Canaan Lake	Silt/Sediment
Suffolk	Canaan Lake	Nutrients
Suffolk	Flanders Bay, West/Lower Sawmill Creek	Nutrients
Suffolk	Fresh Pond	Nutrients
Suffolk	Great South Bay, East	Nutrients
Suffolk	Great South Bay, Middle	Nutrients
Suffolk	Great South Bay, West	Nutrients
Suffolk	Lake Ronkonkoma	Nutrients
Suffolk	Long Island Sound, Suffolk County, West	Nutrients
Suffolk	Mattituck (Marratooka) Pond	Nutrients
Suffolk	Meetinghouse/Terrys Creeks and tribs	Nutrients
Suffolk	Mill and Seven Ponds	Nutrients
Suffolk	Millers Pond	Nutrients
Suffolk	Moriches Bay, East	Nutrients
Suffolk	Moriches Bay, West	Nutrients
Suffolk	Peconic River, Lower, and tidal tribs	Nutrients
Suffolk	Quantuck Bay	Nutrients
Suffolk	Shinnecock Bay and Inlet	Nutrients
Suffolk	Tidal tribs to West Moriches Bay	Nutrients
Sullivan	Bodine, Montgomery Lakes	Nutrients
Sullivan	Davies Lake	Nutrients
Sullivan	Evens Lake	Nutrients
Sullivan	Pleasure Lake	Nutrients
Tompkins	Cayuga Lake, Southern End	Nutrients
Tompkins	Cayuga Lake, Southern End	Silt/Sediment
Tompkins	Owasco Inlet, Upper, and tribs	Nutrients
Ulster	Ashokan Reservoir	Silt/Sediment
Ulster	Esopus Creek, Upper, and minor tribs	Silt/Sediment
Warren	Hague Brook and tribs	Silt/Sediment

303(d) Segments Impaired by Construction Related Pollutant(s)

Warren	Huddle/Finkle Brooks and tribs	Silt/Sediment
Warren	Indian Brook and tribs	Silt/Sediment
Warren	Lake George	Silt/Sediment
Warren	Tribs to L.George, Village of L George	Silt/Sediment
Washington	Cossayuna Lake	Nutrients
Washington	Lake Champlain, South Bay	Nutrients
Washington	Tribs to L.George, East Shore	Silt/Sediment
Washington	Wood Cr/Champlain Canal and minor tribs	Nutrients
Wayne	Port Bay	Nutrients
Westchester	Amawalk Reservoir	Nutrients
Westchester	Blind Brook, Upper, and tribs	Silt/Sediment
Westchester	Cross River Reservoir	Nutrients
Westchester	Lake Katonah	Nutrients
Westchester	Lake Lincolndale	Nutrients
Westchester	Lake Meahagh	Nutrients
Westchester	Lake Mohegan	Nutrients
Westchester	Lake Shenorock	Nutrients
Westchester	Long Island Sound, Westchester (East)	Nutrients
Westchester	Mamaroneck River, Lower	Silt/Sediment
Westchester	Mamaroneck River, Upper, and minor tribs	Silt/Sediment
Westchester	Muscoot/Upper New Croton Reservoir	Nutrients
Westchester	New Croton Reservoir	Nutrients
Westchester	Peach Lake	Nutrients
Westchester	Reservoir No.1 (Lake Isle)	Nutrients
Westchester	Saw Mill River, Lower, and tribs	Nutrients
Westchester	Saw Mill River, Middle, and tribs	Nutrients
Westchester	Sheldrake River and tribs	Silt/Sediment
Westchester	Sheldrake River and tribs	Nutrients
Westchester	Silver Lake	Nutrients
Westchester	Teatown Lake	Nutrients
Westchester	Titicus Reservoir	Nutrients
Westchester	Truesdale Lake	Nutrients
Westchester	Wallace Pond	Nutrients
Wyoming	Java Lake	Nutrients
Wyoming	Silver Lake	Nutrients

APPENDIX F – List of NYS DEC Regional Offices

Region	Covering the following counties:	DIVISION OF ENVIRONMENTAL PERMITS (DEP) Permit Administrators	DIVISION OF WATER (DOW) Water (SPDES) Program
1	Nassau and Suffolk	50 Circle Road Stony Brook, NY 11790 Tel. (631) 444-0365	50 Circle Road Stony Brook, NY 11790-3409 Tel. (631) 444-0405
2	Bronx, Kings, New York, Queens and Richmond	1 Hunters Point Plaza, 47-40 21st St. Long Island City, NY 11101-5407 Tel. (718) 482-4997	1 Hunters Point Plaza, 47-40 21st St. Long Island City, NY 11101-5407 Tel. (718) 482-4933
3	Dutchess, Orange, Putnam, Rockland, Sullivan, Ulster and Westchester	21 South Putt Corners Road New Paltz, NY 12561-1696 Tel. (845) 256-3059	100 Hillside Avenue, Suite 1W White Plains, NY 10603 Tel. (914) 428 - 2505
4	Albany, Columbia, Delaware, Greene, Montgomery, Otsego, Rensselaer, Schenectady and Schoharie	1150 North Westcott Road Schenectady, NY 12306-2014 Tel. (518) 357-2069	1130 North Westcott Road Schenectady, NY 12306-2014 Tel. (518) 357-2045
5	Clinton, Essex, Franklin, Fulton, Hamilton, Saratoga, Warren and Washington	1115 State Route 86, Po Box 296 Ray Brook, NY 12977-0296 Tel. (518) 897-1234	232 Golf Course Road Warrensburg, NY 12885-1172 Tel. (518) 623-1200
6	HERKIMER, JEFFERSON, LEWIS, ONEIDA AND ST. LAWRENCE	STATE OFFICE BUILDING 317 WASHINGTON STREET WATERTOWN, NY 13601-3787 TEL. (315) 785-2245	STATE OFFICE BUILDING 207 GENESEE STREET UTICA, NY 13501-2885 TEL. (315) 793-2554
7	BROOME, CAYUGA, CHENANGO, CORTLAND, MADISON, ONONDAGA, OSWEGO, TIOGA AND TOMPKINS	615 ERIE BLVD. WEST SYRACUSE, NY 13204-2400 TEL. (315) 426-7438	615 ERIE BLVD. WEST SYRACUSE, NY 13204-2400 TEL. (315) 426-7500
8	CHEMUNG, GENESEE, LIVINGSTON, MONROE, ONTARIO, ORLEANS, SCHUYLER, SENECA, STEUBEN, WAYNE AND YATES	6274 EAST AVON-LIMA ROADAVON, NY 14414-9519 TEL. (585) 226-2466	6274 EAST AVON-LIMA RD. AVON, NY 14414-9519 TEL. (585) 226-2466
9	ALLEGANY, CATTARAUGUS, CHAUTAUQUA, ERIE, NIAGARA AND WYOMING	270 MICHIGAN AVENUE BUFFALO, NY 14203-2999 TEL. (716) 851-7165	270 MICHIGAN AVENUE BUFFALO, NY 14203-2999 TEL. (716) 851-7070

APPENDIX C

Town Educational Pamphlets and Posters

BMP Summary Sheet	
MS4 Name:	Town of Riverhead
Minimum Control Measure:	2 - PUBLIC PARTICIPATION/INVOLVEMENT
Unique BMP Identification Number:	2
BMP Title	Solicit Public Input and Opinion on the Adequacy of the SWMP

Permit Description:
You must solicit public input and opinion on the adequacy of the Stormwater Management Program Plan (SWMP), including input from the public meeting each year prior to submittal of the annual report the NYSDEC

Location(s) in SWMP of detailed information related to this BMP:
Section 4.0

Measurable Goals:	2010	2011	2012	2013
Number who attend the meeting				
Number of comments or statements received regarding the SWMP				

Timeline/Implementation Schedule:
Provide one annual public meeting prior to submittal of the Annual Report

Specific Components and Notes:

1. Provide a reasonable opportunity to make oral statements
2. Provide a comment period that includes reasonable opportunity to comment on the SWMP
3. Consider timely, relevant written materials that interested Persons submit concerning the SWMP
4. Establish a process or procedure for presentations. Grouping of comments timing, format of materials and similar rules can be established as needed to ensure full and fair consideration of all views

Responsible Party for this BMP:

Department:	Engineering/Stormwater Management Office
Name:	Christine Fetten/Drew Dillingham
Phone:	631-727-3200
E-Mail:	fetten@riverheadli.com/dillingham@riverheadli.com

BMP SUMMARY SHEET	
MS4 NAME:	Town of Riverhead
Minimum Control Measure:	2- PUBLIC PARTICIPATION/INVOLVEMENT
Unique BMP Identification Number:	
BMP Title	STORM DRAIN LABELING PROGRAM

BMP Description

The labeling of storm sewers will provide the pbulic with the awareness that materials which enter the storm drain system is discharged directly into waters within the Town of Riverhead. The goal is to encourage the public to keep storm drains clear of debris and to monitor what is entering local waterways through storm water.Materials will be made available for volunteers to participate in Storm Drain Labeling. Volunteer groups would be able to pick up supplies and equipment free of charge

Location(s) in SWMP of detailed information relating to this BMP:

Measurable Goals:	2011	2012	2013	2014
1 Number of volunteers or volunteer groups who pick up the storm drain labeling kits each year				
2 Track areas of the Town marked by the Volunteer Groups				
3 Check status of storm drain labeling sites annually to see if the areas need to be redone				

Timeline/Implementation Schedule:

Evaluate the kit contents and order new supplies as needed each spring

Specific Components and Notes

Post an article on the Town's web site regarding the volunteer opportunity and the availability of the kits

Responsible Party for this BMP	
Department:	Engineering Department, SMO
Name:	Christine Fetten, Drew Dillingham
Phone:	631-727-3200-201
E-mail:	fetten@rivehreadli.com/dillingham@riverheadli.com

BMP SUMMARY SHEET	
MS4 Name:	Town of Riverhead
Minimum Control Measure:	2- PUBLIC PARTICIPATION/INVOLVEMENT
Unique BMP Identification Number	
BMP Title:	OPEN SPACE CLEAN UP

BMP Description:

Provide support for an Annual Open Space Clean Up Event in which volunteer groups work to clean up areas of illegal dumping for open space within the Town. The event is typically held in April and is a good tool for increasing awareness on the amount of types of materials which are dumped in our open spaces and the potential impacts they may have on water quality. The success of the program will be evaluated each year nd the need to continue the program will be determined based on the results. Other items provided by the Engineering Department will include posting of pet waste disposal requirements where needed in the Open Space System and provision of trees at an Annual Arbor Day event.

Location(s) in SWMP of detailed information relating to this BMP:

	Measurable Goals	2011	2012	2013	2014
1	Number of volunteers or volunteer groups who participate in the Open Space Clean Up each year				

Timeline/Implementation Schedule

1	Hold an Open Space Clean Up event annually
2	Evaluate space needs for pet waste disposal requirements signs annually.

Specific Components and Notes.

1	Post an article on the Town web site prior to the event regarding the volunteer opportunity.
2	Develop guidelines for volunteers to use on how to conduct the clean up.
3	Provide equipment for the clean up event
4	Provide signage for pet waste disposal in Open Space.
5	Provide trees for distribution at the Arbor Day Celebration

Responsible Party for this BMP	
Department:	
Name:	
Phone:	
E-Mail:	

Your dogs do can find it's way all the way to our waterways...

Thanks, on behalf of the Town of Riverhead

When you're fertilizing the lawn,

remember - you're not just

fertilizing the lawn.

You fertilize the lawn. Then it rains… The rain washes the fertilizer along the curb, into the storm drain, and directly into our creeks, bays, and the Long Island Sound. This causes algae to grow, beaches to be temporarily closed, and uses up oxygen necessary for the survival of sea life such as fish and shellfish. So if you fertilize, please follow manufacturers directions and use sparingly.

Thank you, on behalf of the Town of Riverhead.

Questions?
Contact the Engineering Dept.—Stormwater Management
727-3200 Ext. 201

When you're washing your car in the driveway, remember - you're not just washing your car in the driveway.

All the soap, scum, and oily grit runs along the curb. Then into the storm drain and directly into our creeks, the Peconic, and the Long Island Sound. This causes pollution, which is unhealthy to our beaches, fish, and shellfish. So how can you avoid all this? Easy… Wash your car on grass or gravel instead of the street. Or better yet, take it to a car wash where the water is treated and recycled.

Thank you, on behalf of the Town of Riverhead

Questions?
Contact the Engineering Dept.—Stormwater Management
727-3200 Ext. 201

When your pet goes on the lawn,

remember - It doesn't just

go on the lawn.

When our pets leave those little surprises, rain washes all that pet waste and bacteria into our storm drains, which then pollutes our beaches and creeks. So what do you do? Simple. Dispose of it properly by either flushing it down the toilet, putting it in a baggy for the garbage, or burying it in the back yard. Then that little surprise gets treated like it should.

Thank you, on behalf of the Town of Riverhead.

Questions?
Contact the Engineering Dept.—Stormwater Management
727-3200 Ext. 201

When your car's leaking oil on the street, remember - its not just leaking oil on the street.

Leaking oil goes from car to street. It's washed from the street to the storm drains, and from the drains into our creeks, bays, and the Long Island Sound. Now imagine the number of cars in our area, especially at this time of year, and imagine the amount of oil that finds its way from leaky gaskets into our water. So please, fix oil leaks.

Thank you, on behalf of the Town of Riverhead.

Questions?
Contact the Engineering Dept.—Stormwater Management
727-3200 Ext. 201

Phase II

Littering and Floatables Program

Long Island Peconic Estuary Program Member

The Town of Riverhead Storm Drain System

To address the accumulation of stormwater on streets after it rains, storm drainage systems are constructed throughout the Town. Many older systems lead to tributary streams or directly to the Peconic Bay, River or the Long Island Sound. Litter dropped on roadways may enter the storm drain system and pollute our surface waters causing beach closures. Litter and floatable wastes directly impact the aesthetic value of our waters. *Be a good neighbor; protect our water resources by disposing of trash into its proper receptacle*

The Town of Riverhead Waterbodies

The Town of Riverhead has several impaired (unhealthy) water bodies within its boundaries

1. Flanders Bay, East/Center and its tributaries
2. Flanders Bay, West/Lower Sawmill Creek
3. Meetinghouse/Terrys Creeks and tributaries
4. Peconic River, Lower and tidal tributaries
5. Reeves Ban and tidal tributaries

Additional Waterbodies within the Town of Riverhead include:

Deep Pond	Hallocks Pond	Grassy Pond
Duck Ponds	Merritts Pond	Peconic Bay

Town of Riverhead—Engineering Department
200 Howell Avenue
Riverhead, NY 11901 (631) 727-3200-ext. 282

Safely dispose of your cigarette butts and litter into an appropriate receptacle! Cigarette butts are litter too!

DID YOU KNOW

- Cigarette butts can leach chemicals such as cadmium, lead and arsenic within an hour of contact with surface waters.
- Chapter 98 of Town code prohibits littering and imposes penalties for violators.
- Cigarette butts tend to accumulate in our waterways and beaches creating unsightly conditions.
- Just because you cannot see surface waters does not mean your litter won't pollute. Storm drains are connected to miles of underground pipes with many discharges to surface waters

How Can You Help?

- If you are a smoker, please dispose of your cigarette butts in an out-door cigarette receptacle, pocket ashtray or automobile ashtray.
- Lead by example and throw out trash, like fast food containers, in receptacles. Treat the surrounding environment like you would treat your own property.

Coverage under the permit will require the applicant to perform weekly inspection of the site's sediment and erosion controls, perform BMP's for vehicle maintenance, concrete wash out activities, maintaining a minimal dust environment, and performing inspections after a significant rain event of more than 1/2" in a 24 -hour period.

Town of Riverhead Chapter 110 and NYSDEC Permit GP-0-08-001 describes the procedures for site inspections and enforcement of erosion and sediment control measures, including soil stockpile treatment, vehicle and product maintenance, emergency procedures and contacts. The key to good housekeeping is developing an efficient schedule with sediment and erosion control measures as the first installed item to protect slopes and to prevent construction site debris from being tracked onto the municipal roads, thereby, contaminating the Municipal Storm Water Sewer System (MS4). By May 1, 2010, construction site operators must be trained in erosion and sediment control procedures through the NYSDEC or other approved agency, before they are approved for work within the Town of Riverhead.

The Storm Water Management Office would like to invite applicants to feel free to stop by, call or write with any issues, and concerns. Our goal is to ensure developers pro-actively consider storm water issues at the conceptual design stage. As well as, to holistically consider the site, its topography, and develop best management plans that can organically treat contaminated storm-water from the on-set of construction to post construction measures.

For more information please contact the
Riverhead Town Engineering Department.
(631) 727-3200—201
(631) 369-7739
www.riverheadli.com

The Town of Riverhead
Storm Water Management Office
200 Howell Avenue
Riverhead, New York 11901
(631) 727-3200-201 Phone / (631) 369-7739

As stormwater flows over driveways, lawns, and sidewalks, it picks up debris, chemicals, dirt, and other pollutants. Stormwater can fl ow into a storm sewer system or directly to a lake, stream, river, wetland, or coastal water. Anything that enters a storm sewer system is discharged untreated into the waterbodies we use for swimming, fishing, and providing drinking water. Polluted runoff is the nation's greatest threat to clean water.

By practicing healthy household habits, homeowners can keep common pollutants like pesticides, pet waste, grass clippings, and automotive fl uids off the ground and out of stormwater. Adopt these healthy household habits and help protect lakes, streams, rivers, wetlands, and coastal waters. Remember to share the habits with your neighbors!

In addition, the proper design and installation of Best Management Practices (BMP's) to mitigate storm water from leaving active construction sites can actually improve water quality in the event that a significant rain event where storm water exits the sites.

To comply with the Federal Clean Water Act, and State and local codes, the Town is requiring that development/ or redevelopment activity in which more than 1 acre of ground disturbance will occur, albeit commercial, residential, industrial, will be required to submit a Storm Water Pollution Prevention Plan (SWPPP) with a Notice of Intent (NOI) in accordance with Town of Riverhead Chapter 110. The purpose of these documents is to provide information to the Town on the impervious nature of the lot as well as the proposed grading. A more holistic approach to storm water management may be realized during this process to improve the water quality of our surface waters.

If the site is in close proximity to impaired water bodies, there are pollutants of concern (POC) that need to be addressed. The Town of Riverhead has several impaired water bodies within its boundaries

1. Flanders Bay, East/Center and its tributaries—POC= pathogens
2. Flanders Bay, West/Lower Sawmill Creek—POC= nitrogen and pathogens
3. Meetinghouse/Terrys Creeks and tributaries—POC = nitrogen and pathogens
4. Peconic River, Lower and tidal tributaries—POC = nitrogen and pathogens
5. Reeves Ban and tidal tributaries—POC = pathogens

Other water resources found in Riverhead include the following;

Deep Pond	Hallocks Pond	Grassy Pond
Duck Ponds	Merritts Pond	Peconic Bay
Eastern Long Island Sound	Peconic Lake	

New construction which disturbs more than one acre of land must apply for permit coverage under the New York State Department of Environmental Conservation (NYSDEC) SPDES General Permit for Stormwater Discharges from Construction Activities (GP-0-08-001 or GP-0-08-002). If the development disturbs less than one acre but is part of a larger common plan of development or sale (Subdivisions) or if the site is within an impaired waterbody watershed the owner must file for coverage.

Permit coverage begins when the Town has reviewed, commented, and approved the Storm Water Pollution Prevention Plan and has provided the applicant with the Municipal SWPPP Acceptance Form. The applicant then submits a Town approved Notice of Intent (NOI) along with the acceptance form to the NYSDEC.

Rain Gardens

Rain Gardens are typically a shallow depressional area designed to use the natural capacities of soil and vegetation to retain, cleanse, and infiltrate storm water. In other words rain gardens capitalize on low lying areas to capture runoff from driveways, and roofs, and use plants to filter out pollutants and reduce the erosive effects of runoff. The reason that rain gardens are so effective is that these gardens capture runoff before it gains enough volume to have any damaging properties and allow it to seep slowly into the ground.

According to the USEPA, nonpoint sources such as storm water runoff from an urbanized landscape, are the leading causes of urban stream water quality problems. Rain gardens are able to reduce this pollution because they create an ideal location where small, isolated amounts of runoff can be absorbed into the ground.

For those of you who are still skeptical about building a rain garden, here are some of the pros of the system. When properly built, a rain garden will reduce pollutant discharges and minimize stream bank erosion by reducing the amount of water entering streams and rivers. The mulch layer can remove heavy metals such as copper, zinc, and lead, and replenish groundwater slowly and steadily. You don't have to worry about mosquitoes either because the rain garden is designed to hold water for less than 48 hours so that mosquitoes can't breed.

If you are considering building a rain garden you can visit the Department of Environmental Conservation's website for information and design plans. **http://www.dec.ny.gov/public/44330.html**

Materials: Geotextile Fabric, mulch mix, of bioretention soil mix, and native drought tolerant plants. Now once you have all of your materials, your basin should be at least 7' x 10' with a minimum depth of 6 feet. After all of the earth has been removed, line the walls of your basin with a geotextile or filter fabric and then start by filling the bottom of the basin with 1 foot of ¾" crushed stone. Install an additional 4 inches of pea gravel, followed by the mulch mix and finish by covering the gravel with 30 inches of bioretention soil mix. When choosing plants for the surface of the rain garden, look for young plants that are native to the area and are drought tolerant as they will adapt better to the environment.

How Can Green Infrastructure Benefit the Environment?

The benefits of green infrastructure are particularly accentuated in urban and suburban areas where green space is limited and environmental damage is more extensive. Green infrastructure benefits include:

Reduced and Delayed Storm Water Runoff Volumes - By increasing the amount of pervious ground cover, green infrastructure techniques increase storm water infiltration rates, thereby reducing the volume of runoff entering our storm water systems, and ultimately our lakes, rivers, and streams.

Storm Water Pollutant Reductions - Green infrastructure techniques infiltrate runoff close to its source and help prevent pollutants from being transported to nearby soils.

Reduced Sewer Overflow Events - Utilizing the natural retention and infiltration capabilities of plants and soils, green infrastructure limits the frequency of storm sewer overflow events by reducing runoff volumes and by delaying storm water discharges.

Improved Air Quality - Green infrastructure facilitates the incorporation of trees and vegetation in urban landscapes, which can contribute to improved air quality.

Heat Island Effect - Green infrastructure reduces warm water discharge to streams which can harm fish. By collecting water in rain gardens and catch basins, the runoff can cool by up to 11 degrees Celsius before it returns to streams and rivers, thus preventing damage to the ecosystem.

Sources

http://www.fallschurchenvironment.org/usingrainbarrels.html

http://cfpub.epa.gov/npdes/greeninfrastructure/technology.cfm#greenparking

http://www.stormh2o.com/october-2008/dry-rain-gardens.aspx

How Green Infrastructure Can Mitigate Storm Water Pollution and Reduce Storm Water Runoff

Riverhead Department of Engineering

(631) 727-3200 ext. 201

By Thomas Houghton

Green Infrastructure

The Town of Riverhead is home to some of the most beautiful landscapes and wildlife in Suffolk County. In order to preserve this natural resource we must try to help mother nature by trying to reduce our impact on the ecosystem.

In this pamphlet we will be focusing on ways to improve your home and community in order to alleviate some of the stress placed on the environment and your wallet. Green infrastructure can contribute to health and quality of life, such as forests that clean the air and filter and absorb storm water.

Why Storm Water Runoff is a Problem

Storm Water Runoff is the technical term for rain water that falls to earth and travels across roadways, parking lots and any other non permeable surfaces and enters the drain and exits in a collection basin, storm drain, or is diverted into a body of water.

Many problems arise when runoff is not properly drained. First, the water can gather pollutants as it travels and those pollutants are carried into locations such as our lakes and rivers. These pollutants can harm the ecosystem and even humans if they swim in contaminated water.

Secondly, with the amount of paved surfaces that exist today, runoff tends to pool up as a result of backed up storm drains that are having to work overtime. Backed up storm drains can cause road and property flooding/damage and are also a hazard to motorists.

What You Can Do To Help

There are an increasing number of ways that you can help alleviate the effects of storm water runoff in your neighborhood. One approach is utilizing green alternatives when designing or remodeling your home site.

Green Roofs are one of the best alternatives for your home. Green Roofs are generally flat and designed for the additional load of vegetation and a growing medium, planted on top of a waterproof membrane. Green Roofs absorb rain water and reduce the amount of runoff that runs off the house and enters the street. Green Roofs are also excellent insulators and when used in large numbers can greatly reduce urban temperatures by reducing the heat island effect. The heat island effect results from the high concentrations of buildings in a city absorbing solar energy causing higher temperatures in that particular area.

If home owners are considering retrofits, a Rain Barrel can help alleviate stress placed on the storm system by diverting roof runoff into a container that can be used to water existing landscape. For every 1,000 square feet of roof area served by a downspout, a one inch rain storm will produce 600 gallons of rain water. That just shows how much water a rain barrel can keep off the streets! Rain Barrels should be designed with an overflow valve so that winter ice does not build up and damage the system.

Keep a look out for illicit connections:

-Check out storm drains for signs of tampering, or surrounding ground for signs a pipe has been laid under ground to the basin.

-If you hear water running to a catch basin when it is not raining, this may be a sign that an illicit connection is present.

-If you smell raw sewage in a catch basin, this is a sure sign of a serious problem or illicit connection.

-If you think you may have found an illicit connection, call the town and let us know! See Resource page for contact information.

Maintaining your septic system:

-If the ground near your cesspool is soggy or saturated this is a sign that it may be time to get it pumped.

-Have your septic system checked every 3 years by a professional.

Pick up after your dog:

-If you take your dog for a walk and he or she poops on the road, near the road, or on a median, please pick it up. Your dogs waste will find its way to a catch basin.

-Visit www.poopbags.com or www.dogpoopbags.com for information on doggy waste bags.

-Animal Waste can either be flushed down the toilet (without bag) or thrown away in a biodegradable bag.

Participate in the Town's S.T.O.P. (Stop Throwing Out Pollutants) program which occurs twice a year.

Check the Resources on page 6 for more information on where you can drop off hazardous materials.

Resources

Hazardous Material Drop Points

Material	Drop Point
Oil	Nearest Auto Parts store or mechanics garage.
Paint, Solvents, and Light Bulbs Containing Mercury.	Town of Riverhead S.T.O.P. Program. For more information visit: riverheadli.com/sanitation.html
Rechargeable Batteries	Radioshack, Riverhead Town Hall Battery Repository
Yard Waste	Former Riverhead Town Land Fill. For more information visit: riverheadli.com/sanitation.html

Riverhead Town Engineering Dept.

Call: (631) 727-3200 Ext. 201 to report Illicit Connections or for any information regarding Storm Water Management.

http://www.riverheadli.com

Phase II Public Outreach Initiative Pamphlet by Storm Water Management in cooperation with Riverhead Town Engineering Dept. Pamphlet written and compiled by Ian Davison.

Storm Water Management Program

Riverhead Department of Engineering

(631) 727-3200 ext. 201

Town of Riverhead Storm Water Management

The Town of Riverhead is a diverse ecological community and is the home to hundreds of species of wildlife and sea life. In this Pamphlet we will be focusing on education about illicit discharge, and how you, as an individual, can help keep our community's groundwater, creeks, and larger surface waters clean. There are two bodies of water most people think of when dealing with pollution and run off on Long Island, The Peconic Bay and the Long Island Sound. There is also a third body of water far below us, our Aquifers. Long Island is situated over a sole source aquifer system that provides potable water to its residents. There are three layered aquifers on LI. The three aforementioned bodies of water provide a home to sea life and shell fish integral to our economy. Swimming areas are important to the members of our community and serve as a seasonal tourist destination. Our aquifers provide fresh water for drinking and irrigation of crops which is vital to our local farming community.

So let's look a bit at some of the substances harmful to our essential bodies of water. There are three main culprits responsible for beach closings, algae blooms, and unhealthy shell fish. These are high levels of Fecal coliform, increased amounts of Nitrogen, and toxins from engine oil and road grime, respectively. Fecal coliform, responsible for 37% of Suffolk County beach closings in 2006 (Information supplied by the EPA), is found in pet waste which can be washed into storm drains by rain which can potentially end up in local bodies of water. Fecal Coli Form can also find its way to bodies of water through potentially malfunctioning septic systems. Increased Nitrogen content, often responsible for algae blooms which can deplete the water of oxygen, is harmful to the health of fish and shellfish. A gross quantity of fertilizer containing nitrogen used on lawns that makes its way to the water, is known as illicit discharge. Nitrogen can also make it's way to our aquifers (it already has reached our shallowest aquifer) and makes them unsafe for drinking if the Nitrogen concentration becomes too high. Oil, more from illegal dumping than normal road grime, is another example of a problem we have with illicit discharge.

About Illicit Discharge

All the examples cited in the previous paragraph fall in the category of illicit discharge, but there are other, more serious examples. Connecting a drain from your home to a town catch basin (storm sewer) is a serious and fineable offense, and is known as an illicit connection. Illicit connections include the connection of a sanitary sewage pipe to a basin, and just to clarify, sanitary sewage is what you flush down your toilet, or dump down the drain. Another serious and fineable example is dumping waste, oil, chemicals, solvents, or paints into a catch basin. Drainage Basins are meant to catch, filter, and recharge water that contains normal amounts of road wash, but are not designed to handle any of the aforementioned substances. Those substances should be brought to your local recycling center for proper disposal. Check the resource page for more information on hazmat drop points.

What can I do to help?

So now you are wondering to yourself, how can I reduce illicit discharge and save the environment?

Here are some tips:

Lawn Care tips to Reduce Nitrogen Pollution:

-Minimize lawn areas, replacing turf with native and other low maintenance plantings.

-Improve soil structure by aerating your lawn and top dressing with compost.

-Allow grass to compost by leaving clippings in place when mowing. (Don't bag it)

-Use the least toxic method for weed and pest control. (less chemicals, more weed -pulling).

-Don't over water your lawn (excess water washes the nutrients from your soil).

-Test the soil annually before applying any fertilizer, so you know exactly what to apply, if any.

-Apply products sparingly, no more than 1lb. of Nitrogen per 1000 sq. ft./year.

-Choose organic fertilizers that have slow release nutrients.

-Read, understand, and follow all pesticide product labeling.

-Avoid run-off – do not apply fertilizers or pesticides within 100 ft of surface waters or -wetlands, when the ground is frozen, or when there is a chance of rain.

Lawn Care Tips courtesy of "PEP Talk"

What You Can Do To Help (Cont.)

Create a Riparian buffer - Riparian is another word for the habitat, plants, and wildlife associated with the bank of a watercourse. If you live along a river, maintaining a healthy buffer consisting of native plants between your property and the water will reduce runoff full of E. Coli and many other pollutants.

Clean up after your pet - Pet waste causes a large percentage of E. Coli problems. Even if you're miles from a waterbody, the stormwater that washes over you dog's waste is going to travel further than just your backyard.

Be Responsible - When at the waterfront, use public restrooms, pack out your waste, or at the least bury your waste above the high water mark.

Don't feed the wild animals - Waterfowl become reliant on handouts and visit those locations frequently. As a result there are higher concentrations of feces in the area, creating a hot spot for E. Coli.

E. Coli

Pet Waste Affects Water Quality

Did you know pet waste is a health hazard and a stormwater pollutant?

Stormwater runoff can wash bacteria from pet waste directly into local creeks and waterways. Bacteria, parasites and viruses contained in pet waste are a health risk to other animals and people, especially children. Pollution from Pet Waste is easily prevented.

- Always clean up after your pet
- Use a scooper, bag or shovel to pick up pet waste.
- Double bag pet waste before disposing in trash
- Do not dispose of pet waste in a storm drain, catch basin or sewer.
- Do not use pet waste as a fertilizer or add to a compost pile

Sources

http://www.willametteriverkeeper.org/programs/ecoli/e_colimain.htm

http://www.stormh2o.com/may-2008/bacterial-research-bmps.aspx
http://www.startwithmiller.com/pdf/landandwater.pdf
http://www.stormh2o.com/march-april-2009/florida-tmdl-planning.aspx
http://www.stormh2o.com/september-2008/dead-zone-hypoxia.aspx
http://www.erie.gov/environment/pdfs/septic_system_brochure.pdf
http://www.erie.gov/environment/pdfs/pet_waste.pdf

Waterborne Bacteria Prevention

Riverhead Department of Engineering

(631) 727-3200 ext. 201

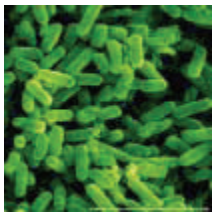
By Thomas Houghton

Introduction

Imagine its Saturday and you wake up and decide that today is the perfect beach day. You make a bunch of sandwiches, pack your cooler and stuff all of your favorite beach gear into a huge bag. After you finish breakfast and get the kids dressed you all jump into the car excited for a fun day at the beach. The anticipation builds as the temperature rises and you just can't wait to jump out of the car and hop right into the nice cool water. But you pull into the beach parking lot and suddenly your heart sinks, there is a sign that says, "Beach Closed"! You think to yourself, how could this be, its beautiful out! Upon further inspection of the sign you discover that the beach is closed due to high levels of Fecal Coliform from pet and wildlife waste in the water. During 2006 alone, Fecal Coliform was responsible for 37% of Suffolk County Beach closings! This situation could happen at anytime. Keep reading to find out more about these pollutants and how to reduce them.

About Stormwater Pollution

Fecal Coliform and E. Coli are two of the most abundant bacteria polluting our rivers, lakes, and bays. As mentioned earlier, Fecal Coliform is the technical term for either pet waste or sanitary waste that enters the storm water system primarily through storm drains and ends up being washed into local bodies of water.



Fecal Coliform

E. Coli is another form of bacteria that is abundantly found in water bodies. E. Coli belongs to the Fecal Coliform family of bacteria and is consistently monitored in the lakes, rivers, and beaches in the area. Canadian Geese are an example of a contributor of E. Coli to our water bodies through the massive amount of feces that are deposited into our water bodies daily.

Fecal Coliform Infected Stream

What You Can Do To Help

Even though Riverhead Town is going to great lengths to solve the E. Coli and Fecal Coliform problems through their MS4 (Municipal Separate Storm Sewer System) program, there are a number of things that the homeowner can do to help.

Disconnect your downspout and manage your storm water on site - During a rain event it's possible for the Town's storm system to become overloaded due to massive amounts of runoff coming from homes. If an overflow occurs the system may pick up large amounts of debris and waste such as animal feces on the side of the road. In order to reduce the possibility of an overflow the homeowner could install Rain Barrels or a Rain Garden to catch and treat their runoff. By doing so hundreds of gallons of water are kept out of the catch basins and ultimately the storm water system. If you would like to learn more about these alternatives, Riverhead Town Engineering Department has published a pamphlet in regards to multiple ways to reduce your storm water runoff.

Do I smell something?

Signs of a failing system are:

Sewage in the yard.

A foul smelling, blackish/grayish liquid in the drainfield area.

Sewage backup in sinks, toilets, showers, and bath tubs.

Isolated depressions in the backyard; if you have these, please call your plumber. There have been old system failures in the past few years around Long Island, don't be a casualty to your septic.

Can septic systems affect communities?

Septic systems are considered the 2nd most frequent source of groundwater pollution by state agencies.

U.S. Environmental Protection Agency, National Water Quality Inventory Report to Congress (305(b) Report), 1998

Almost 10,000 water body impairments are due to pathogen or nutrient contamination. Septic systems are contributors to these containments.

U.S. Environmental Protection Agency, 1998 Section 303(d) List Fact Sheet: National Picture of Impaired Waters Highlights of the 1998 303(d) Lists (based on Tracking System data available 04/06/00)

Septic System Maintenance

1. Direct roof, driveway, and other run-off away from your septic tank and leaching field to avoid adding extra water to the soil.
2. Do not plant trees or shrubs too close to your field or tank. Roots can cause damage and clog your leaching field.
3. Do not bury the septic tank or leaching field under landscaping materials (such as plastic) or pavement;
4. Use basket strainers in all your sinks to catch hair—a big problem for septic systems and guaranteed to shorten the life of your field.
5. Look for liquid detergents or concentrated detergents that don't have phosphates in them.
6. Use a dry well for backflushing water softeners, instead of releasing it into your system.
7. Use a lint filter on your washing machine; lint is a major source of solids that clog leaching fields, especially from the fibers from synthetic clothing which clog the pores of the soil and do not break down as natural fibers do.
8. Do not flush facial tissue, paper towels, coffee grounds, tea leaves, fats or grease, cigarette butts, filters, sanitary napkins, newspaper, disposable diapers, condoms, metal or metal items. All of these items can clog your tank and leaching fields.
9. Don't use a garburetor. It adds solids which can be flushed into your leaching field.
10. Avoid disinfectants like bleach which kill beneficial bacteria in the septic tank.

Town of Riverhead
Engineering Department
200 Howell Avenue
Riverhead, NY 11901
Phone (631) 727-3200-201 Fax (631) 369-7739

Handle It.

Maintain Your Septic.

Protect Your Health.

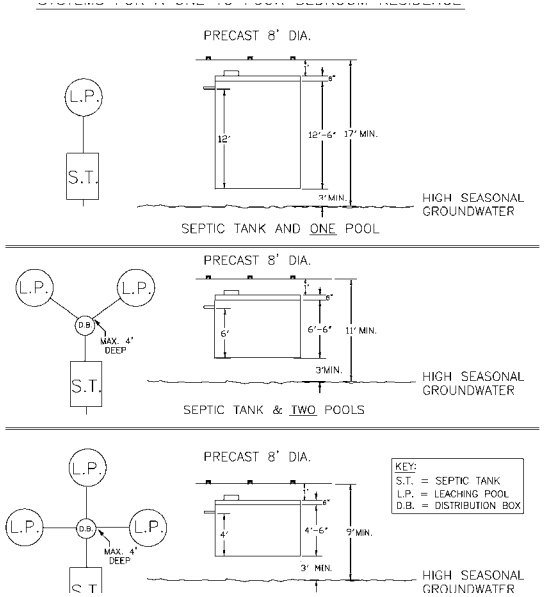
Maintain my what?

A septic system is an on-site system of structures that treats household waste with a septic tank and a soil absorption system commonly know as leaching pools. Failing septic systems can contaminate lakes, creeks, and shallow drinking water supplies.

Many older systems on Long Island consist of concrete block built leaching pools. Sewage from the home would be conveyed by the piping network outside into the leaching pool and in some instances homes had an overflow pool for safety. The newer systems, regulated by the Suffolk County Department of Health Services, primarily consist of a precast septic tank which is the first stop for the sanitary solids and liquids, when the tank reaches a certain level, the liquids continue on to a system of leaching pools where the liquid is absorbed into the subsurface soils. The septic tank is a storage area and biological process area for the solids. When the septic tank is full, it should be pumped out.

What if it doesn't work?

A septic system that does not work can have a negative impact on human and animal health. Inadequate treatment of wastewater allows bacteria, viruses, and other disease causing pathogens to enter surface and ground water supplies. Protect your health, drinking water, and property value by properly maintaining your septic system. Do not dump hazardous waste down the sink drain or the toilet, this can be corrosive to the pipes and damaging to the environment



How do I make sure it's working?

A properly functioning septic system will treat wastewater in a natural and safe way. Routine maintenance of your system will reduce both risks to human health and costs.

Septic owners should:

Keep accurate records (i.e. dates of inspection, pumping, problems).

Have systems inspected and pumped every 2 to 3 years.

Prevent vehicles and trailers from driving or parking on top of the leaching field.

Avoid the use of additives. Save your money for an inspection or pumping.

Where is this thing?

Try finding your septic tank by:

Going to the basement or area of the house that has the sewer pipes going outside through the wall or floor. This will indicate the direction or location of the septic tank.

Taking a metal rod and gently probing in the soil about 10 to 15 feet from the foundation of the house. Search for pipes or some sort of metal, plastic, or concrete tank.

Find the system's leaching field by looking for:

Areas where grass isn't growing well, grass is greener, or it grows faster.

Areas where there is a slight depression or mound.

Areas where the soil is soggy when the rest of the yard is dry.

Once your locate your system draw a simple map of the location to keep in your records. To prevent further malfunctions you may want to install a fence around your leaching field area.

If you **DO NOT** receive a sewage bill, then you own a septic system.

If you live in an area of high ground water or are near a water body, you may have a different system than discussed in this brochure

APPENDIX D

Inventory and Description of:

Municipal Buildings

Municipal Parking Lots

Waterfront Parks

Recreational Parks

Municipal Buildings

Town of Riverhead
Building Department
201 Howell Avenue Riverhead, NY 11901

SCTM Number:	0600-127.-4-34.1

Property Size:	0.297	Acres
Building Size:	2,800	Square Feet
Parking Lot Size:	7,498	Square Feet
Parking Lot Material:	Asphalt	
Parking Lot Condition:	Fair	
Winter Road Maintenance:	Yes	

Local Water Body Present?	No
Waterbody Name/Type:	N/A
Distance to Property Line:	N/A

	2021	2022	2023	2024	2025	2026	2027	2028
Condition	Fair							
Swept Dates	-							
Quantity Removed (CY)	-							

Site Features			
	Yes	No	Notes
Playgrounds		X	
Ball Fields		X	
Docking Area		X	
Boater Pumpout		X	
Restroom Buildings	X		Located inside building
Sanitary System	X		
Sanitary System Type	Sewer District		

Fertilizer and Pesiticide Usage								
Year Placed	2021	2022	2023	2024	2025	2026	2027	2028
Product Used	Fertilizer							
Total Product Used	20 lbs							
Quantity as N	-							
Quantity as P	-							

Solid Waste								
	2021	2022	2023	2024	2025	2026	2027	2028
Refuse	Yes							
Bottle Recycling	Yes							

Property Information

Property Class	484 1 use sm bld	Acres	0.30
School District	Riverhead Csd #2	SCTM	127.-4-34.1
Location	201 Howell Ave Riverhead		

Special District Information

Code	Special District
SE306	Rhd sewer rent
AM001	Rvrhd ambulance dist
WD301	Riverhead water
SE301	Rhd full sewer cap
BD001	Bus imprvment dist1
FD302	Rvrhd fire zone 1
LT301	Light district

Owner Information

Name	Town of Riverhead
Street Address	200 Howell Ave
PO BOX	
Unit Name	
City State Zip	Riverhead NY 11901

Additional Owner Information

Name	

Sales Information

No Sale Data available

Commercial Information

Property Class		Overall Eff Yr Blt	
Used as Cd		Sewer Type	
Utilities		Overall Desire	
Overall Cond		Overall Grade	

Residential Information

Site No:

Bldg Style		Central Air		1st Story	
No. of Stories		Bsmt Type		2nd Story	
Ext Wall Mat		Bsmt Gar Cap		Addl Story	
Actual Yr Built		Overall Cond		1/2 Story	
Eff Yr Built		Exterior Cond		3/4 Story	
Yr Remodeled		Interior Cond		Fin Over Gar	
No. Kitchens		Constr Grade		Fin Attic	
Kitchen Qual.		Grade Adjust		Fin Bsmt	
No. Baths		Pct Good		Unfin 1/2	
Bath Qual		Funct Obs		Unfin 3/4	
No.Bedrooms		No.Rooms		No.Firplace	
Heat Type		Fuel Type		SFLA	

215 Howell Ave
Riverhead NY 11901
Suite/Apt/Comment:
209 Howell Ave
Riverhead NY 11901
Suite/Apt/Comment:
HOWELL AVE
RIVERHEAD TOWN
BUILDING
DEPT
201 Howell Ave
Riverhead NY 11901
Suite/Apt/Comment:
210 Fishel Ave
Riverhead NY 11901
Suite/Apt/Comment:
204 Fishel Ave
Riverhead NY 11901
Suite/Apt/Comment:
718 E Main St
Riverhead NY 11901
Suite/Apt/Comment:
712 E Main St
Riverhead NY 11901
Suite/Apt/Comment:
198 Fishel Ave
Riverhead NY 11901
Suite/Apt/Comment:
108 Fishel Ave
Riverhead NY 11901
Suite/Apt/Comment:
120 Fishel Ave
Riverhead NY 11901
Suite/Apt/Comment:
E MAIN ST
25
723 E Main St
Riverhead NY 11901
Suite/Apt/Comment:
729 E Main St
Riverhead NY 11901
Suite/Apt/Comment:
717 E Main St
Riverhead NY 11901
Suite/Apt/Comment:
711 E Main St
Riverhead NY 11901
Suite/Apt/Comment:

Town of Riverhead
East End Arts Council
133 and 141 East Main Street Riverhead, NY 11901

SCTM Number:	0600-129.-1-15 and 0600-129.-1-16

Property Size:	0.64 and 0.56	Acres
Building Size:	5,030	Square Feet
Parking Lot Size:	11,612	Square Feet
Parking Lot Material:	Asphalt	
Parking Lot Condition:	Good	
Winter Road Maintenance:	Yes	

Local Water Body Present?	Yes
Waterbody Name/Type:	Peconic River
Distance to Property Line:	143'

	2021	2022	2023	2024	2025	2026	2027	2028
Condition	Good							
Swept Dates	N/A							
Quantity Removed (CY)	N/A							

Site Features			
	Yes	No	Notes
Playgrounds		X	
Ball Fields		X	
Docking Area		X	
Boater Pumpout		X	
Restroom Buildings	X		Located inside building
Sanitary System	X		
Sanitary System Type	Sewer District		

Fertilizer and Pesiticide Usage								
Year Placed	2021	2022	2023	2024	2025	2026	2027	2028
Product Used	Fertilizer/Pesticide							
Total Product Used	12 lbs/ 8 lbs							
Quantity as N								
Quantity as P								

Solid Waste								
	2021	2022	2023	2024	2025	2026	2027	2028
Refuse	Yes							
Bottle Recycling	Yes							

Property Information

Property Class	485 >1use sm bld	Acres	0.42
School District	Riverhead Csd #2	SCTM	129.-1-15
Location	133 E Main St Riverhead		

Special District Information

Code	Special District
SE306	Rhd sewer rent
HD901	Rhd Hist District
BD001	Bus imprvment dist1
AM001	Rvrhd ambulance dist
LM001	Landmark
SE301	Rhd full sewer cap
LT301	Light district
WD301	Riverhead water
FD302	Rvrhd fire zone 1
PK301	Parking

Owner Information

Name	Town Of Riverhead
Street Address	200 Howell Ave
PO BOX	
Unit Name	
City State Zip	Riverhead NY 11901

Additional Owner Information

Name	

Sales Information

Sale Date	Deed Date	Deed Book	Deed Page	Sale Price	Sale Primary Owner
03/01/1996	03/20/1996	11766	681	$225,000.00	Town, Of Riverhead

Commercial Information

Property Class		Overall Eff Yr Blt	
Used as Cd		Sewer Type	
Utilities		Overall Desire	
Overall Cond		Overall Grade	

Residential Information

Site No:

Bldg Style		Central Air		1st Story	
No. of Stories		Bsmt Type		2nd Story	
Ext Wall Mat		Bsmt Gar Cap		Addl Story	
Actual Yr Built		Overall Cond		1/2 Story	
Eff Yr Built		Exterior Cond		3/4 Story	
Yr Remodeled		Interior Cond		Fin Over Gar	
No. Kitchens		Constr Grade		Fin Attic	
Kitchen Qual.		Grade Adjust		Fin Bsmt	
No. Baths		Pct Good		Unfin 1/2	
Bath Qual		Funct Obs		Unfin 3/4	
No.Bedrooms		No.Rooms		No.Firplace	
Heat Type		Fuel Type		SFLA	

Property Information

Property Class	483 Converted Res	Acres	0.00
School District	Riverhead Csd #2	SCTM	129.-1-16
Location	141 E Main St Riverhead		

Special District Information

Code	Special District
SE306	Rhd sewer rent
FD302	Rvrhd fire zone 1
PK301	Parking
WD301	Riverhead water
HD901	Rhd Hist District
BD001	Bus imprvment dist1
LM001	Landmark
SE301	Rhd full sewer cap
LT301	Light district
AM001	Rvrhd ambulance dist

Owner Information

Name	Town Of Riverhead
Street Address	200 Howell Ave
PO BOX	
Unit Name	
City State Zip	Riverhead NY 11901

Additional Owner Information

Name	

Sales Information

No Sale Data available

Commercial Information

Property Class		Overall Eff Yr Blt	
Used as Cd		Sewer Type	
Utilities		Overall Desire	
Overall Cond		Overall Grade	

Residential Information

Site No:

Bldg Style		Central Air		1st Story	
No. of Stories		Bsmt Type		2nd Story	
Ext Wall Mat		Bsmt Gar Cap		Addl Story	
Actual Yr Built		Overall Cond		1/2 Story	
Eff Yr Built		Exterior Cond		3/4 Story	
Yr Remodeled		Interior Cond		Fin Over Gar	
No. Kitchens		Constr Grade		Fin Attic	
Kitchen Qual.		Grade Adjust		Fin Bsmt	
No. Baths		Pct Good		Unfin 1/2	
Bath Qual		Funct Obs		Unfin 3/4	
No.Bedrooms		No.Rooms		No.Firplace	
Heat Type		Fuel Type		SFLA	

136 E Main St
Riverhead NY 11901
Suite/Apt/Comment:
128 E Main St
Riverhead NY 11901
Suite/Apt/Comment:
118 E Main St
Riverhead NY 11901
Suite/Apt/Comment:
EAST AVE
E MAIN ST
221 E Main St
Riverhead NY 11901
Suite/Apt/Comment:
211 E Main St
Riverhead NY 11901
Suite/Apt/Comment:
203 E Main St
Riverhead NY 11901
Suite/Apt/Comment:
12 McDermott Ave
Riverhead NY 11901
Suite/Apt/Comment:
MCDERMOTT AVE
22 McDermott Ave
Riverhead NY 11901
Suite/Apt/Comment:
26 McDermott Ave
Riverhead NY 11901
Suite/Apt/Comment:
30 McDermott Ave
Riverhead NY 11901
Suite/Apt/Comment:
34 McDermott Ave
Riverhead NY 11901
Suite/Apt/Comment:
25
119 E Main St
Riverhead NY 11901
Suite/Apt/Comment:
111 E Main St
Riverhead NY 11901
Suite/Apt/Comment:
31 McDermott Ave
Riverhead NY 11901
Suite/Apt/Comment:
HEIDI BEHR WAY

Town of Riverhead
George Young Community Center
446 South Jamesport Avenue Jamesport, NY 11947

SCTM Number:	0600-69.-2-5

Property Size:	2.97	Acres
Building Size:	5,600	Square Feet
Parking Lot Size:	14,940	Square Feet
Parking Lot Material:	Asphalt	
Parking Lot Condition:	Fair	
Winter Road Maintenance:	Yes	

Local Water Body Present?	No
Waterbody Name/Type:	N/A
Distance to Property Line:	N/A

	2021	2022	2023	2024	2025	2026	2027	2028
Condition	Fair							
Swept Dates	-							
Quantity Removed (CY)	-							

Site Features			
	Yes	No	Notes
Playgrounds	X		
Ball Fields	X		Soccer Fields
Docking Area		X	
Boater Pumpout		X	
Restroom Buildings	X		Located within building
Sanitary System	X		
Sanitary System Type	Sanitary System		

Fertilizer and Pesiticide Usage								
Year Placed	2021	2022	2023	2024	2025	2026	2027	2028
Product Used	Fertilizer/Pesticides							
Total Product Used	30 lbs/ 10 lbs							
Quantity as N	-							
Quantity as P	-							

Solid Waste								
	2021	2022	2023	2024	2025	2026	2027	2028
Refuse	Yes							
Bottle Recycling	Yes							

Property Information

Property Class	682 Rec facility	Acres	5.00
School District	Riverhead Csd #2	SCTM	69.-2-5
Location	446 S Jamesport Ave Jamesport		

Special District Information

Code	Special District
FD304	Jamesport fire
SC001	Scavenger waste dist
LT301	Light district
AM001	Rvrhd ambulance dist
HD947	Jmpt Hist District
WD340	Water ext 32j

Owner Information

Name	Town Of Riverhead
Street Address	200 Howell Ave
PO BOX	
Unit Name	
City State Zip	Riverhead NY 11901

Additional Owner Information

Name	

Sales Information

No Sale Data available

Commercial Information

Property Class		Overall Eff Yr Blt	
Used as Cd		Sewer Type	
Utilities		Overall Desire	
Overall Cond		Overall Grade	

Residential Information

Site No:

Bldg Style		Central Air		1st Story	
No. of Stories		Bsmt Type		2nd Story	
Ext Wall Mat		Bsmt Gar Cap		Addl Story	
Actual Yr Built		Overall Cond		1/2 Story	
Eff Yr Built		Exterior Cond		3/4 Story	
Yr Remodeled		Interior Cond		Fin Over Gar	
No. Kitchens		Constr Grade		Fin Attic	
Kitchen Qual.		Grade Adjust		Fin Bsmt	
No. Baths		Pct Good		Unfin 1/2	
Bath Qual		Funct Obs		Unfin 3/4	
No.Bedrooms		No.Rooms		No.Firplace	
Heat Type		Fuel Type		SFLA	

1601 Main Rd
Jamesport NY 11947
Suite/Apt/Comment:
1597 Main Rd
Jamesport NY 11947
Suite/Apt/Comment:
MAIN RD
1583 Main Rd
Jamesport NY 11947
Suite/Apt/Comment:
S JAMESPORT AVE
JAMESPORT
CEMETERY
439 S Jamesport Ave
Jamesport NY 11947
Suite/Apt/Comment:
434 S Jamesport Ave
Jamesport NY 11947
Suite/Apt/Comment:

Town of Riverhead
Henry Pfeifer Community Center
4062 Grumman Boulevard Calverton, NY 11933

SCTM Number:	0600-135.-1-7.33

Property Size:	1,980.1	Acres
Building Size:	5,000	Square Feet
Parking Lot Size:	19,842	Square Feet
Parking Lot Material:	Asphalt	
Parking Lot Condition:	Fair	
Winter Road Maintenance:	Yes	

Local Water Body Present?	Yes
Waterbody Name/Type:	McKay Lake
Distance to Property Line:	Adjacent

	2021	2022	2023	2024	2025	2026	2027	2028
Condition	Fair							
Swept Dates	-							
Quantity Removed (CY)	-							

Site Features			
	Yes	No	Notes
Playgrounds	X		
Ball Fields		X	
Docking Area		X	
Boater Pumpout		X	
Restroom Buildings	X		Located inside building
Sanitary System	X		
Sanitary System Type	Sanitary System		

Fertilizer and Pesiticide Usage								
Year Placed	2021	2022	2023	2024	2025	2026	2027	2028
Product Used	Fertilizer							
Total Product Used	10 lbs							
Quantity as N	-							
Quantity as P	-							

Solid Waste								
	2021	2022	2023	2024	2025	2026	2027	2028
Refuse	Yes							
Bottle Recycling	Yes							

Property Information

Property Class	700 Industrial	Acres	1980.10
School District	Riverhead Csd #2	SCTM	135.-1-7.33
Location	4725 Middle Country Rd Calverton		

Special District Information

Code	Special District
FD302	Rvrhd fire zone 1
FD305	Manorville fire
LT301	Light district
FD301	Wading river fire
AM001	Rvrhd ambulance dist
SC001	Scavenger waste dist

Owner Information

Name	Community Dev Agency
Street Address	200 Howell Ave
PO BOX	
Unit Name	
City State Zip	Riverhead NY 11901

Additional Owner Information

Name	

Sales Information

No Sale Data available

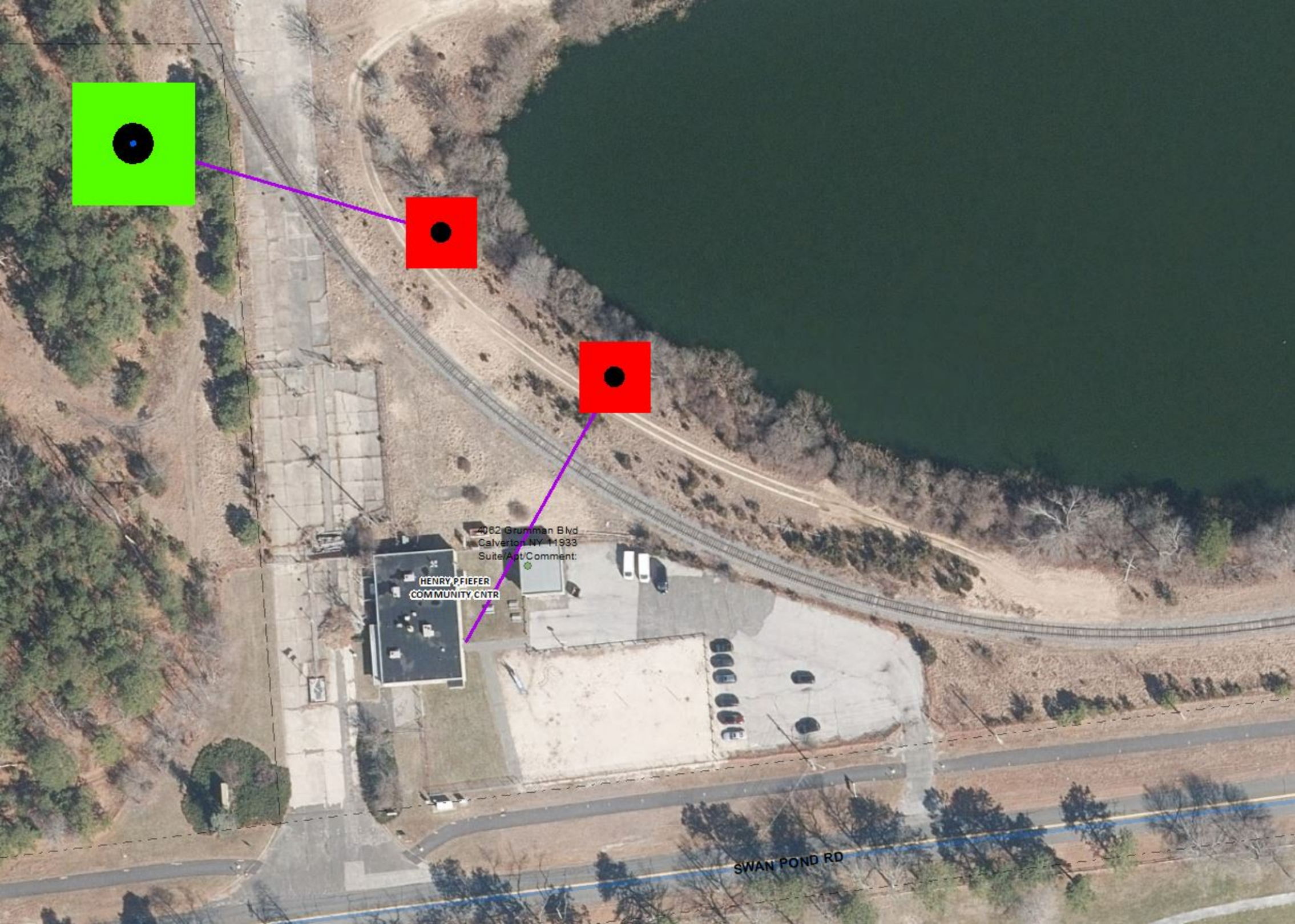
Commercial Information

Property Class		Overall Eff Yr Blt	
Used as Cd		Sewer Type	
Utilities		Overall Desire	
Overall Cond		Overall Grade	

Residential Information

Site No:

Bldg Style		Central Air		1st Story	
No. of Stories		Bsmt Type		2nd Story	
Ext Wall Mat		Bsmt Gar Cap		Addl Story	
Actual Yr Built		Overall Cond		1/2 Story	
Eff Yr Built		Exterior Cond		3/4 Story	
Yr Remodeled		Interior Cond		Fin Over Gar	
No. Kitchens		Constr Grade		Fin Attic	
Kitchen Qual.		Grade Adjust		Fin Bsmt	
No. Baths		Pct Good		Unfin 1/2	
Bath Qual		Funct Obs		Unfin 3/4	
No.Bedrooms		No.Rooms		No.Firplace	
Heat Type		Fuel Type		SFLA	


4062 Grumman Blvd
Calverton, NY 11933
Suite/Apt/Comment:
HENRY PFIEFER
COMMUNITY CNTR
SWAN POND RD

Town of Riverhead
Highway Department
1177 Osborn Avenue Riverhead, NY 11901

SCTM Number:	0600-108.-2-1

Property Size:	7.44	Acres
Building Size:	12,300	Square Feet
Parking Lot Size:	110,250	Square Feet
Parking Lot Material:	Asphalt	
Parking Lot Condition:	Fair	
Winter Road Maintenance:	Yes	

Local Water Body Present?	Yes
Waterbody Name/Type:	Fresh Wetland R-30 ID: 2508
Distance to Property Line:	151' to the S-E

	2021	2022	2023	2024	2025	2026	2027	2028
Condition	Fair							
Swept Dates	-							
Quantity Removed (CY)	-							

Site Features			
	Yes	No	Notes
Playgrounds		X	
Ball Fields		X	
Docking Area		X	
Boater Pumpout		X	
Restroom Buildings	X		Located inside building
Sanitary System	X		
Sanitary System Type	Septic System		

Fertilizer and Pesiticide Usage								
Year Placed	2021	2022	2023	2024	2025	2026	2027	2028
Product Used	N/A							
Total Product Used	N/A							
Quantity as N	-							
Quantity as P	-							

Solid Waste								
	2021	2022	2023	2024	2025	2026	2027	2028
Refuse	Yes							
Bottle Recycling	Yes							

Property Information

Property Class	651 Highway gar	Acres	7.40
School District	Riverhead Csd #2	SCTM	108.-2-1
Location	1177 Osborn Ave Riverhead		

Special District Information

Code	Special District
WD301	Riverhead water
AM001	Rvrhd ambulance dist
LT301	Light district
FD302	Rvrhd fire zone 1
SC001	Scavenger waste dist

Owner Information

Name	Town Of Riverhead
Street Address	200 Howell Ave
PO BOX	
Unit Name	
City State Zip	Riverhead NY 11901

Additional Owner Information

Name	

Sales Information

No Sale Data available

Commercial Information

Property Class		Overall Eff Yr Blt	
Used as Cd		Sewer Type	
Utilities		Overall Desire	
Overall Cond		Overall Grade	

Residential Information

Site No:

Bldg Style		Central Air		1st Story	
No. of Stories		Bsmt Type		2nd Story	
Ext Wall Mat		Bsmt Gar Cap		Addl Story	
Actual Yr Built		Overall Cond		1/2 Story	
Eff Yr Built		Exterior Cond		3/4 Story	
Yr Remodeled		Interior Cond		Fin Over Gar	
No. Kitchens		Constr Grade		Fin Attic	
Kitchen Qual.		Grade Adjust		Fin Bsmt	
No. Baths		Pct Good		Unfin 1/2	
Bath Qual		Funct Obs		Unfin 3/4	
No.Bedrooms		No.Rooms		No.Firplace	
Heat Type		Fuel Type		SFLA	

2506
2506
100' Buffer
150' Buffer
OSBORN AVE
1122 Osborn Ave
Riverhead NY 11901
Suite/Apt/Comment:
1177 Osborn Ave
Riverhead NY 11901
Suite/Apt/Comment:
RIVERHEAD
HIGHWAY DEPARTMENT
1414 Old Country Rd
Riverhead NY 11901
Suite/Apt/Comment:
1420 Old Country Rd
Riverhead NY 11901
Suite/Apt/Comment:
28 Old Country Rd
verhead NY 11901
uite/Apt/Comment:
1121 Osborn Ave
Riverhead NY 11901
Suite/Apt/Comment:
160' Buffer
100' Buffer
RIVERHEAD VOL
AMBULANCE
1099 Osborn Ave
Riverhead NY 11901
Suite/Apt/Comment:
1412 Old Country Rd
Riverhead NY 11901
Suite/Apt/Comment:
MUNICIPAL
GARAGE
1372 Old Country Rd
Riverhead NY 11901
Suite/Apt/Comment:
2508
58
OLD COUNTRY RD
1375 Old Country Rd
Riverhead NY 11901
Suite/Apt/Comment:

Town of Riverhead
Jamesport Ambulance
20 Manor Lane Jamesport, NY 11947

SCTM Number:	0600-68.-2-28.4

Property Size:	0.384	Acres
Building Size:	1,104	Square Feet
Parking Lot Size:	5,684	Square Feet
Parking Lot Material:	Blue Stone	
Parking Lot Condition:	Good	
Winter Road Maintenance:	Yes	

Local Water Body Present?	Yes
Waterbody Name/Type:	Fresh Wetland ID: 5807
Distance to Property Line:	383' to the N-W

	2021	2022	2023	2024	2025	2026	2027	2028
Condition	Good							
Swept Dates	-							
Quantity Removed (CY)	-							

Site Features			
	Yes	No	Notes
Playgrounds		X	
Ball Fields		X	
Docking Area		X	
Boater Pumpout		X	
Restroom Buildings	X		Located inside building
Sanitary System	X		
Sanitary System Type	Septic System		

Fertilizer and Pesiticide Usage								
Year Placed	2021	2022	2023	2024	2025	2026	2027	2028
Product Used	Fertilizer							
Total Product Used	5 lbs							
Quantity as N	-							
Quantity as P	-							

Solid Waste								
	2021	2022	2023	2024	2025	2026	2027	2028
Refuse	Yes							
Bottle Recycling	Yes							

Property Information

Property Class	662 Police/fire	Acres	0.40
School District	Riverhead Csd #2	SCTM	68.-2-28.4
Location	20 Manor Ln Jamesport		

Special District Information

Code	Special District
AM001	Rvrhd ambulance dist
LT301	Light district
WD340	Water ext 32j
FD304	Jamesport fire
SC001	Scavenger waste dist

Owner Information

Name	Town Of Riverhead
Street Address	200 Howell Ave
PO BOX	
Unit Name	
City State Zip	Riverhead NY 11901

Additional Owner Information

Name	

Sales Information

No Sale Data available

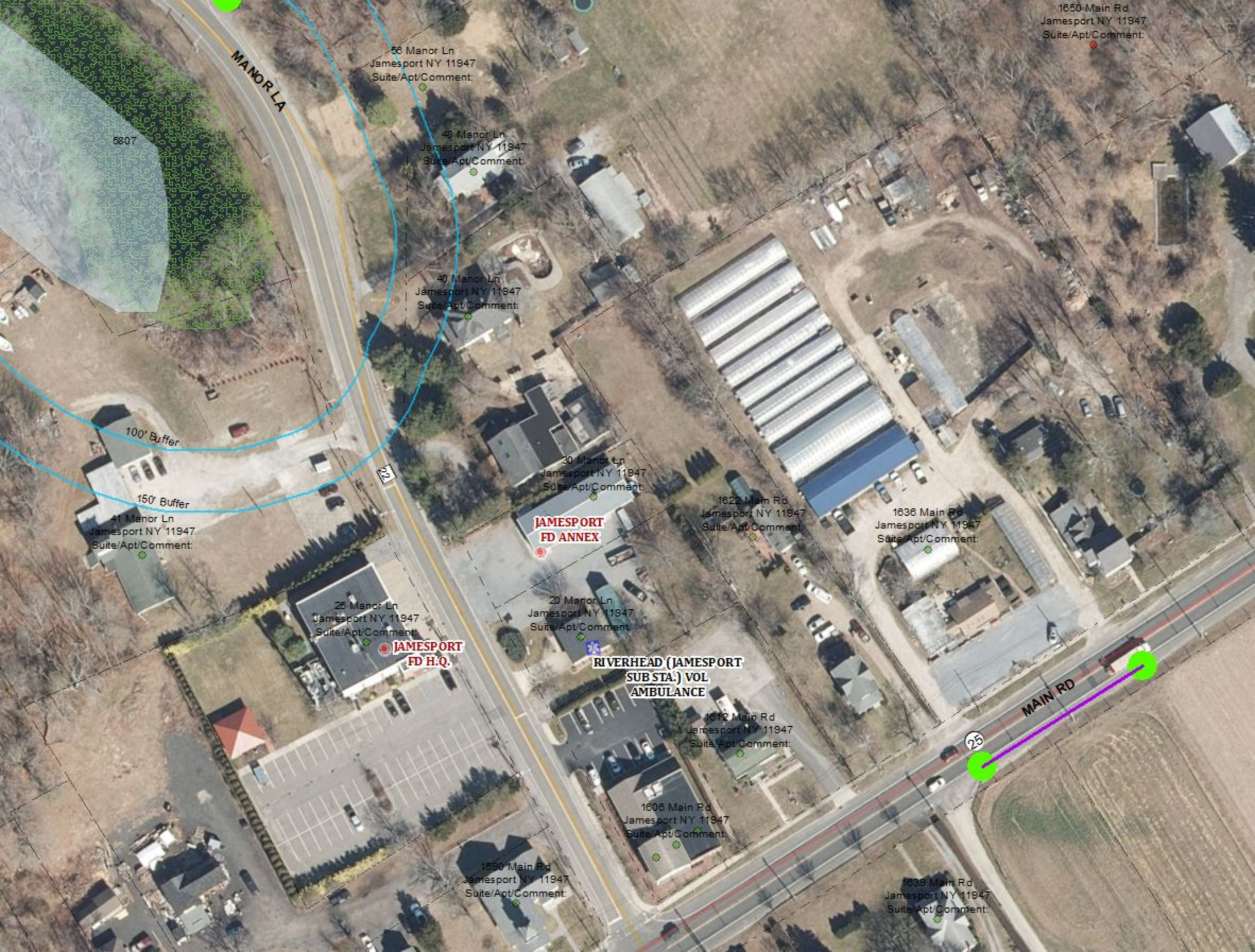
Commercial Information

Property Class		Overall Eff Yr Blt	
Used as Cd		Sewer Type	
Utilities		Overall Desire	
Overall Cond		Overall Grade	

Residential Information

Site No:

Bldg Style		Central Air		1st Story	
No. of Stories		Bsmt Type		2nd Story	
Ext Wall Mat		Bsmt Gar Cap		Addl Story	
Actual Yr Built		Overall Cond		1/2 Story	
Eff Yr Built		Exterior Cond		3/4 Story	
Yr Remodeled		Interior Cond		Fin Over Gar	
No. Kitchens		Constr Grade		Fin Attic	
Kitchen Qual.		Grade Adjust		Fin Bsmt	
No. Baths		Pct Good		Unfin 1/2	
Bath Qual		Funct Obs		Unfin 3/4	
No.Bedrooms		No.Rooms		No.Firplace	
Heat Type		Fuel Type		SFLA	


MANOR LA
56 Manor Ln
Jamesport NY 11947
Suite/Apt/Comment:
48 Manor Ln
Jamesport NY 11947
Suite/Apt/Comment:
40 Manor Ln
Jamesport NY 11947
Suite/Apt/Comment:
30 Manor Ln
Jamesport NY 11947
Suite/Apt/Comment:
20 Manor Ln
Jamesport NY 11947
Suite/Apt/Comment:
25 Manor Ln
Jamesport NY 11947
Suite/Apt/Comment:
41 Manor Ln
Jamesport NY 11947
Suite/Apt/Comment:
5807
100' Buffer
150' Buffer
JAMESPORT
FD ANNEX
JAMESPORT
FD H.Q.
RIVERHEAD (JAMESPORT
SUB STA.) VOL
AMBULANCE
1650 Main Rd
Jamesport NY 11947
Suite/Apt/Comment:
1622 Main Rd
Jamesport NY 11947
Suite/Apt/Comment:
1636 Main Rd
Jamesport NY 11947
Suite/Apt/Comment:
1612 Main Rd
Jamesport NY 11947
Suite/Apt/Comment:
1606 Main Rd
Jamesport NY 11947
Suite/Apt/Comment:
1590 Main Rd
Jamesport NY 11947
Suite/Apt/Comment:
1639 Main Rd
Jamesport NY 11947
Suite/Apt/Comment:
MAIN RD
25
25

Town of Riverhead
Municipal Garage
1412 Old Country Road Riverhead, NY 11901

SCTM Number:	0600-108.-2-2

Property Size:	6.04	Acres
Building Size:	12,000	Square Feet
Parking Lot Size:	54,342	Square Feet
Parking Lot Material:	Asphalt	
Parking Lot Condition:	Fair	
Winter Road Maintenance:	Yes	

Local Water Body Present?	Yes
Waterbody Name/Type:	Fresh Wetland R-30 ID: 2508
Distance to Property Line:	Adjacent

	2021	2022	2023	2024	2025	2026	2027	2028
Condition	Fair							
Swept Dates	-							
Quantity Removed (CY)	-							

Site Features			
	Yes	No	Notes
Playgrounds		X	
Ball Fields		X	
Docking Area		X	
Boater Pumpout		X	
Restroom Buildings	X		Located inside building
Sanitary System	X		
Sanitary System Type	Septic System		

Fertilizer and Pesiticide Usage								
Year Placed	2021	2022	2023	2024	2025	2026	2027	2028
Product Used	N/A							
Total Product Used	N/A							
Quantity as N	-							
Quantity as P	-							

Solid Waste								
	2021	2022	2023	2024	2025	2026	2027	2028
Refuse	Yes							
Bottle Recycling	Yes							

Property Information

Property Class	651 Highway gar	Acres	6.10
School District	Riverhead Csd #2	SCTM	108.-2-2
Location	Old Country Rd Riverhead		

Special District Information

Code	Special District
SE303	Rhd comm sewer ext
LT301	Light district
WD301	Riverhead water
AM001	Rvrhd ambulance dist
FD302	Rvrhd fire zone 1

Owner Information

Name	Riverhead Water District
Street Address	1035 Pulaski St
PO BOX	
Unit Name	
City State Zip	Riverhead NY 11901

Additional Owner Information

Name	

Sales Information

No Sale Data available

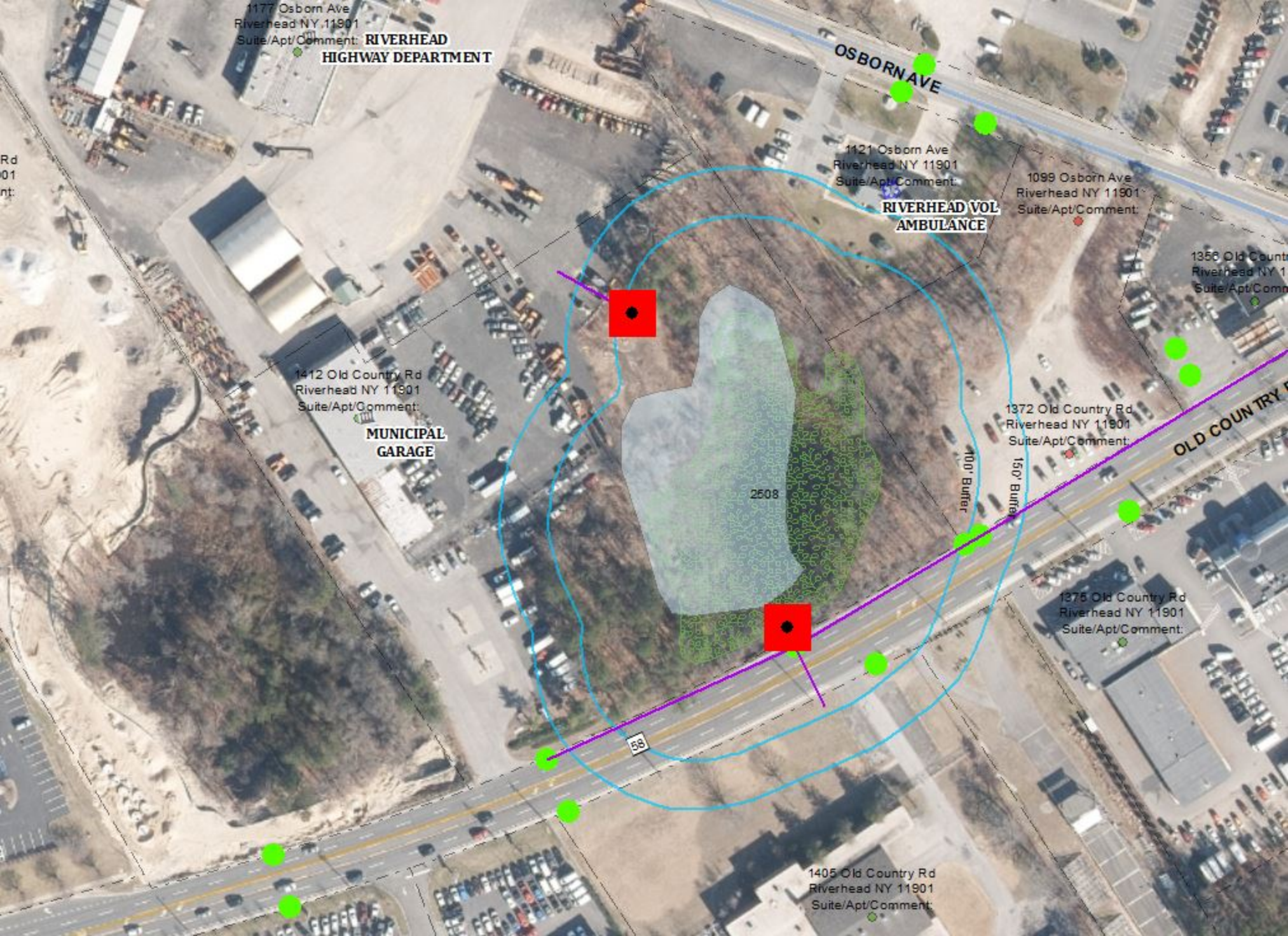
Commercial Information

Property Class		Overall Eff Yr Blt	
Used as Cd		Sewer Type	
Utilities		Overall Desire	
Overall Cond		Overall Grade	

Residential Information

Site No:

Bldg Style		Central Air		1st Story	
No. of Stories		Bsmt Type		2nd Story	
Ext Wall Mat		Bsmt Gar Cap		Addl Story	
Actual Yr Built		Overall Cond		1/2 Story	
Eff Yr Built		Exterior Cond		3/4 Story	
Yr Remodeled		Interior Cond		Fin Over Gar	
No. Kitchens		Constr Grade		Fin Attic	
Kitchen Qual.		Grade Adjust		Fin Bsmt	
No. Baths		Pct Good		Unfin 1/2	
Bath Qual		Funct Obs		Unfin 3/4	
No.Bedrooms		No.Rooms		No.Firplace	
Heat Type		Fuel Type		SFLA	


1177 Osborn Ave
Riverhead NY 11901
Suite/Apt/Comment:
RIVERHEAD
HIGHWAY DEPARTMENT
OSBORN AVE
1121 Osborn Ave
Riverhead NY 11901
Suite/Apt/Comment:
RIVERHEAD VOL
AMBULANCE
1099 Osborn Ave
Riverhead NY 11901
Suite/Apt/Comment:
1412 Old Country Rd
Riverhead NY 11901
Suite/Apt/Comment:
MUNICIPAL
GARAGE
2508
100' Buffer
150' Buffer
1372 Old Country Rd
Riverhead NY 11901
Suite/Apt/Comment:
OLD COUNTRY
1375 Old Country Rd
Riverhead NY 11901
Suite/Apt/Comment:
58
1405 Old Country Rd
Riverhead NY 11901
Suite/Apt/Comment:

Town of Riverhead
Riverhead Ambulance
1121 Osborn Avenue Riverhead, NY 11901

SCTM Number:	0600-108.-2-5

Property Size:	1.6	Acres
Building Size:	2,840	Square Feet
Parking Lot Size:	15,988	Square Feet
Parking Lot Material:	Asphalt/Blue Stone	
Parking Lot Condition:	Fair	
Winter Road Maintenance:	Yes	

Local Water Body Present?	Yes
Waterbody Name/Type:	Fresh Wetland R-30 ID: 2508
Distance to Property Line:	46' to the S-W

	2021	2022	2023	2024	2025	2026	2027	2028
Condition	Fair							
Swept Dates	-							
Quantity Removed (CY)	-							

Site Features			
	Yes	No	Notes
Playgrounds		X	
Ball Fields		X	
Docking Area		X	
Boater Pumpout		X	
Restroom Buildings	X		Located inside building
Sanitary System	X		
Sanitary System Type	Septic System		

Fertilizer and Pesiticide Usage								
Year Placed	2021	2022	2023	2024	2025	2026	2027	2028
Product Used	Fertilizer							
Total Product Used	15 lbs							
Quantity as N	-							
Quantity as P	-							

Solid Waste								
	2021	2022	2023	2024	2025	2026	2027	2028
Refuse	Yes							
Bottle Recycling	Yes							

Property Information

Property Class	662 Police/fire	Acres	1.60
School District	Riverhead Csd #2	SCTM	108.-2-5
Location	1121 Osborn Ave Riverhead		

Special District Information

Code	Special District
LT301	Light district
SC001	Scavenger waste dist
AM001	Rvrhd ambulance dist
WD301	Riverhead water
FD302	Rvrhd fire zone 1

Owner Information

Name	Town Of Riverhead
Street Address	200 Howell Ave
PO BOX	
Unit Name	
City State Zip	Riverhead NY 11901

Additional Owner Information

Name	

Sales Information

Sale Date	Deed Date	Deed Book	Deed Page	Sale Price	Sale Primary Owner
11/01/1986	01/27/1986	10231	00260	$1.00	Suffolk County

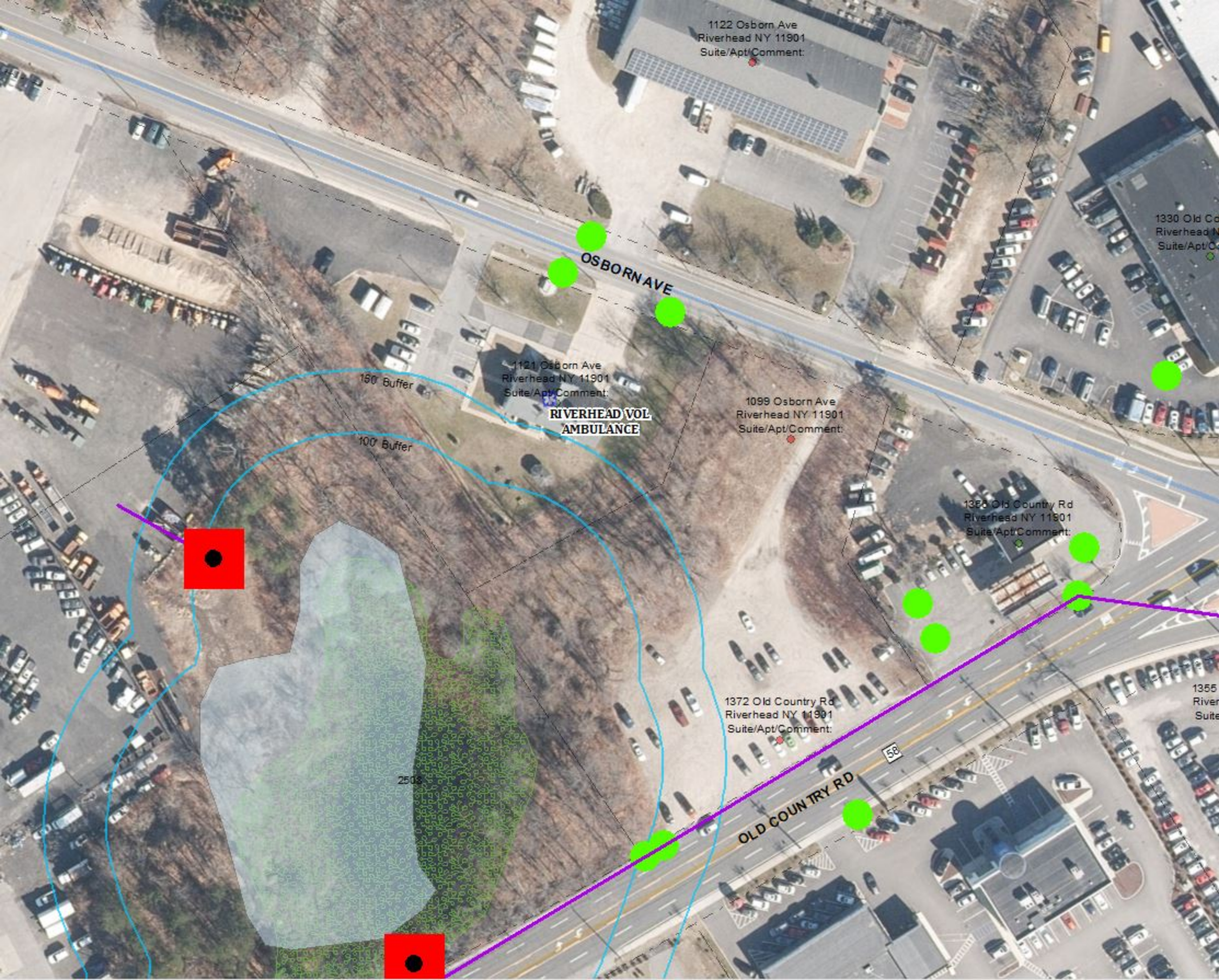
Commercial Information

Property Class		Overall Eff Yr Blt	
Used as Cd		Sewer Type	
Utilities		Overall Desire	
Overall Cond		Overall Grade	

Residential Information

Site No:

Bldg Style		Central Air		1st Story	
No. of Stories		Bsmt Type		2nd Story	
Ext Wall Mat		Bsmt Gar Cap		Addl Story	
Actual Yr Built		Overall Cond		1/2 Story	
Eff Yr Built		Exterior Cond		3/4 Story	
Yr Remodeled		Interior Cond		Fin Over Gar	
No. Kitchens		Constr Grade		Fin Attic	
Kitchen Qual.		Grade Adjust		Fin Bsmt	
No. Baths		Pct Good		Unfin 1/2	
Bath Qual		Funct Obs		Unfin 3/4	
No.Bedrooms		No.Rooms		No.Firplace	
Heat Type		Fuel Type		SFLA	


1122 Osborn Ave
Riverhead NY 11901
Suite/Apt/Comment:
OSBORN AVE
1121 Osborn Ave
Riverhead NY 11901
Suite/Apt/Comment:
RIVERHEAD VOL AMBULANCE
150' Buffer
100' Buffer
1099 Osborn Ave
Riverhead NY 11901
Suite/Apt/Comment:
1330 Old Co
Riverhead N
Suite/Apt/C
1358 Old Country Rd
Riverhead NY 11901
Suite/Apt/Comment:
1372 Old Country Rd
Riverhead NY 11901
Suite/Apt/Comment:
1355
River
Suite
58
OLD COUNTRY RD
2503

Town of Riverhead
Senior Center
60 Shade Tree Lane Aquebogue, NY 11931

SCTM Number:	0600-85.-3-28

Property Size:	2.00	Acres
Building Size:	15,400	Square Feet
Parking Lot Size:	29,330	Square Feet
Parking Lot Material:	Asphalt	
Parking Lot Condition:	Good	
Winter Road Maintenance:	Yes	

Local Water Body Present?	No
Waterbody Name/Type:	-
Distance to Property Line:	-

	2021	2022	2023	2024	2025	2026	2027	2028
Condition	Good							
Swept Dates	-							
Quantity Removed (CY)	-							

Site Features			
	Yes	No	Notes
Playgrounds		X	
Ball Fields		X	
Docking Area		X	
Boater Pumpout		X	
Restroom Buildings	X		Located inside building
Sanitary System	X		
Sanitary System Type	Septic System		

Fertilizer and Pesiticide Usage								
Year Placed	2021	2022	2023	2024	2025	2026	2027	2028
Product Used	Fertilizer							
Total Product Used	20 lbs							
Quantity as N	-							
Quantity as P	-							

Solid Waste								
	2021	2022	2023	2024	2025	2026	2027	2028
Refuse	Yes							
Bottle Recycling	Yes							

Property Information

Property Class	680 Cult & rec	Acres	2.00
School District	Riverhead Csd #2	SCTM	85.-3-28
Location	60 Shade Tree Ln Aquebogue		

Special District Information

Code	Special District
AM001	Rvrhd ambulance dist
FD302	Rvrhd fire zone 1
WD331	Water ext 18
SC001	Scavenger waste dist
LT301	Light district

Owner Information

Name	Town Of Riverhead
Street Address	200 Howell Ave
PO BOX	
Unit Name	
City State Zip	Riverhead NY 11901

Additional Owner Information

Name	

Sales Information

Sale Date	Deed Date	Deed Book	Deed Page	Sale Price	Sale Primary Owner
09/07/2001	09/25/2001	12143	476	$350,000.00	Town Of Riverhead

Commercial Information

Property Class		Overall Eff Yr Blt	
Used as Cd		Sewer Type	
Utilities		Overall Desire	
Overall Cond		Overall Grade	

Residential Information

Site No:

Bldg Style		Central Air		1st Story	
No. of Stories		Bsmt Type		2nd Story	
Ext Wall Mat		Bsmt Gar Cap		Addl Story	
Actual Yr Built		Overall Cond		1/2 Story	
Eff Yr Built		Exterior Cond		3/4 Story	
Yr Remodeled		Interior Cond		Fin Over Gar	
No. Kitchens		Constr Grade		Fin Attic	
Kitchen Qual.		Grade Adjust		Fin Bsmt	
No. Baths		Pct Good		Unfin 1/2	
Bath Qual		Funct Obs		Unfin 3/4	
No.Bedrooms		No.Rooms		No.Firplace	
Heat Type		Fuel Type		SFLA	

74 Shade Tree Ln
Aquebogue NY 11931
Suite/Apt/Comment:
77 Shade Tree Ln
Aquebogue NY 11931
Suite/Apt/Comment:
68 Shade Tree Ln
Aquebogue NY 11931
Suite/Apt/Comment:
60 Shade Tree Ln
Aquebogue NY 11931
Suite/Apt/Comment:
TOWN OF
RIVERHEAD
SENIOR CENTER
498 Hubbard Ave
Aquebogue NY 11931
Suite/Apt/Comment:
SHADETREE LA
54 Shade Tree Ln
Aquebogue NY 11931
Suite/Apt/Comment:

Town of Riverhead
Sewer District
2 River Avenue Riverhead, NY 11901

SCTM Number:	0600-133.-3-35.1

Property Size:	5.05	Acres
Building Size:	15,400	Square Feet
Parking Lot Size:	19,443	Square Feet
Parking Lot Material:	Asphalt	
Parking Lot Condition:	Good	
Winter Road Maintenance:	Yes	

Local Water Body Present?	Yes
Waterbody Name/Type:	Fresh Wetland R-18 ID: 2307
Distance to Property Line:	Adjacent

	2021	2022	2023	2024	2025	2026	2027	2028
Condition	Good							
Swept Dates	-							
Quantity Removed (CY)	-							

Site Features			
	Yes	No	Notes
Playgrounds		X	
Ball Fields		X	
Docking Area		X	
Boater Pumpout		X	
Restroom Buildings	X		Located inside building
Sanitary System	X		
Sanitary System Type	Sewer District		

Fertilizer and Pesiticide Usage								
Year Placed	2021	2022	2023	2024	2025	2026	2027	2028
Product Used	N/A							
Total Product Used	N/A							
Quantity as N	N/A							
Quantity as P	N/A							

Solid Waste								
	2021	2022	2023	2024	2025	2026	2027	2028
Refuse	Yes							
Bottle Recycling	Yes							

Property Information

Property Class	853 Sewage	Acres	5.00
School District	Riverhead Csd #2	SCTM	131.-3-35.1
Location	2 River Ave Riverhead		

Special District Information

Code	Special District
FD302	Rvrhd fire zone 1
WD301	Riverhead water
SE301	Rhd full sewer cap
AM001	Rvrhd ambulance dist
LT301	Light district

Owner Information

Name	Riverhead Sewer Dist
Street Address	Riverside Dr
PO BOX	
Unit Name	
City State Zip	Riverhead NY 11901

Additional Owner Information

Name	

Sales Information

No Sale Data available

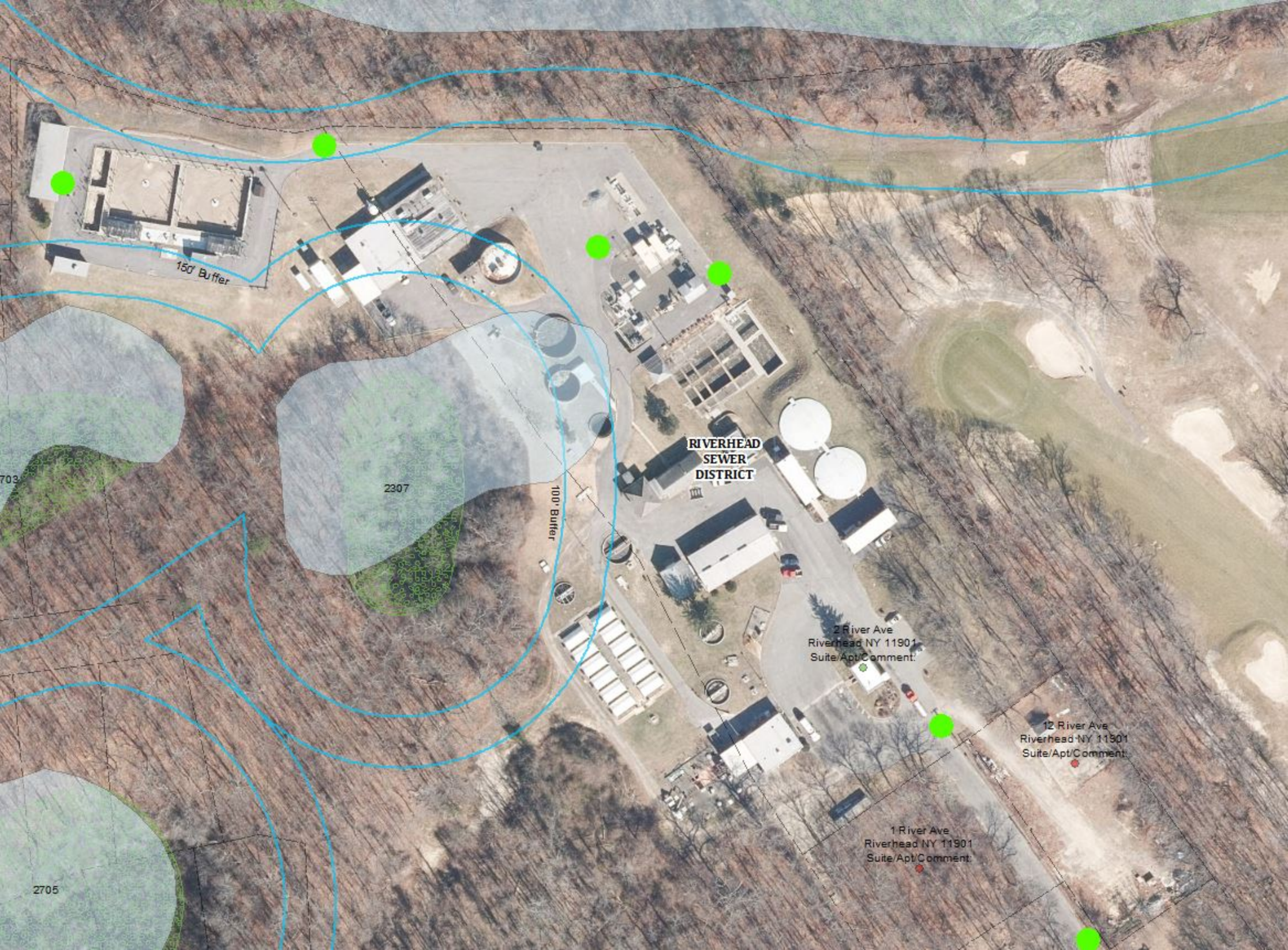
Commercial Information

Property Class		Overall Eff Yr Blt	
Used as Cd		Sewer Type	
Utilities		Overall Desire	
Overall Cond		Overall Grade	

Residential Information

Site No:

Bldg Style		Central Air		1st Story	
No. of Stories		Bsmt Type		2nd Story	
Ext Wall Mat		Bsmt Gar Cap		Addl Story	
Actual Yr Built		Overall Cond		1/2 Story	
Eff Yr Built		Exterior Cond		3/4 Story	
Yr Remodeled		Interior Cond		Fin Over Gar	
No. Kitchens		Constr Grade		Fin Attic	
Kitchen Qual.		Grade Adjust		Fin Bsmt	
No. Baths		Pct Good		Unfin 1/2	
Bath Qual		Funct Obs		Unfin 3/4	
No.Bedrooms		No.Rooms		No.Firplace	
Heat Type		Fuel Type		SFLA	


150' Buffer
RIVERHEAD
SEWER
DISTRICT
2307
100' Buffer
2 River Ave
Riverhead NY 11901
Suite/Apt/Comment:
12 River Ave
Riverhead NY 11901
Suite/Apt/Comment:
1 River Ave
Riverhead NY 11901
Suite/Apt/Comment:
2705

Town of Riverhead
Town Hall and Police Department
200 and 210 Howell Avenue Riverhead, NY 11901

SCTM Number:	0600-127.-5-28.2

Property Size:	3.69	Acres
Building Size:	24,500/16,400	Square Feet
Parking Lot Size:	74,170	Square Feet
Parking Lot Material:	Asphalt	
Parking Lot Condition:	Satisfactory	
Winter Road Maintenance:	Yes	

Local Water Body Present?	No
Waterbody Name/Type:	-
Distance to Property Line:	-

	2021	2022	2023	2024	2025	2026	2027	2028
Condition	Satisfactory							
Swept Dates	-							
Quantity Removed (CY)	-							

Site Features			
	Yes	No	Notes
Playgrounds		X	
Ball Fields		X	
Docking Area		X	
Boater Pumpout		X	
Restroom Buildings	X		Located inside building
Sanitary System	X		
Sanitary System Type	Sewer District		

Fertilizer and Pesiticide Usage								
Year Placed	2021	2022	2023	2024	2025	2026	2027	2028
Product Used	Fertilizer/Pesticides							
Total Product Used	30 lbs / 15 lbs							
Quantity as N	-							
Quantity as P	-							

Solid Waste								
	2021	2022	2023	2024	2025	2026	2027	2028
Refuse	Yes							
Bottle Recycling	Yes							

Property Information

Property Class	650 Government	Acres	3.70
School District	Riverhead Csd #2	SCTM	127.-5-28.2
Location	200 Howell Ave Riverhead		

Special District Information

Code	Special District
SE306	Rhd sewer rent
AM001	Rvrhd ambulance dist
FD302	Rvrhd fire zone 1
WD301	Riverhead water
SE301	Rhd full sewer cap
LT301	Light district

Owner Information

Name	Town Of Riverhead
Street Address	200 Howell Ave
PO BOX	
Unit Name	
City State Zip	Riverhead NY 11901

Additional Owner Information

Name	

Sales Information

No Sale Data available

Commercial Information

Property Class		Overall Eff Yr Blt	
Used as Cd		Sewer Type	
Utilities		Overall Desire	
Overall Cond		Overall Grade	

Residential Information

Site No:

Bldg Style		Central Air		1st Story	
No. of Stories		Bsmt Type		2nd Story	
Ext Wall Mat		Bsmt Gar Cap		Addl Story	
Actual Yr Built		Overall Cond		1/2 Story	
Eff Yr Built		Exterior Cond		3/4 Story	
Yr Remodeled		Interior Cond		Fin Over Gar	
No. Kitchens		Constr Grade		Fin Attic	
Kitchen Qual.		Grade Adjust		Fin Bsmt	
No. Baths		Pct Good		Unfin 1/2	
Bath Qual		Funct Obs		Unfin 3/4	
No.Bedrooms		No.Rooms		No.Firplace	
Heat Type		Fuel Type		SFLA	

BROOK ST
PROSPECT PL
E MAIN ST
HOWELL AVE
RIVERHEAD PD
RIVERHEAD TOWN HALL
RIVERHEAD TOWN BUILDING DEPT
RIVERPOINTE APTS
25

Town of Riverhead
Town Hall West
1295 Pulaski Street Riverhead, NY 11901

SCTM Number:	0600-121-1-7

Property Size:	2.097	Acres
Building Size:	22,500	Square Feet
Parking Lot Size:	25,435	Square Feet
Parking Lot Material:	Asphalt	
Parking Lot Condition:	Good	
Winter Road Maintenance:	Yes	

Local Water Body Present?	Yes
Waterbody Name/Type:	Fresh Wetland-R5 ID:1502
Distance to Property Line:	38' to the South

	2021	2022	2023	2024	2025	2026	2027	2028
Condition	Good							
Swept Dates	-							
Quantity Removed (CY)	-							

Site Features			
	Yes	No	Notes
Playgrounds		X	
Ball Fields		X	
Docking Area		X	
Boater Pumpout		X	
Restroom Buildings	X		Located inside building
Sanitary System	X		
Sanitary System Type	Septic System		

Fertilizer and Pesiticide Usage								
Year Placed	2021	2022	2023	2024	2025	2026	2027	2028
Product Used	Fertilizer/Pesticides							
Total Product Used	20 lbs/ 10 lbs							
Quantity as N	-							
Quantity as P	-							

Solid Waste								
	2021	2022	2023	2024	2025	2026	2027	2028
Refuse	Yes							
Bottle Recycling	Yes							

Property Information

Property Class	652 Govt bldgs	Acres	2.00
School District	Riverhead Csd #2	SCTM	121.-1-7
Location	1295 Pulaski St Riverhead		

Special District Information

Code	Special District
FD302	Rvrhd fire zone 1
AM001	Rvrhd ambulance dist
WD301	Riverhead water
LT301	Light district
SC001	Scavenger waste dist

Owner Information

Name	Town of Riverhead
Street Address	200 Howell Ave
PO BOX	
Unit Name	
City State Zip	Riverhead NY 11901

Additional Owner Information

Name	

Sales Information

Sale Date	Deed Date	Deed Book	Deed Page	Sale Price	Sale Primary Owner
02/25/2009	03/04/2009	12582	46	$2,500,000.00	Town of Riverhead
09/27/2001	09/27/2001	12143	947	$1.00	Riverhead Bldg Supply
10/01/1985	11/27/1985	318	00786	$675,000.00	Riverhead, Bldg Supply Cor

Commercial Information

Property Class		Overall Eff Yr Blt	
Used as Cd		Sewer Type	
Utilities		Overall Desire	
Overall Cond		Overall Grade	

Residential Information

Site No:

Bldg Style		Central Air		1st Story	
No. of Stories		Bsmt Type		2nd Story	
Ext Wall Mat		Bsmt Gar Cap		Addl Story	
Actual Yr Built		Overall Cond		1/2 Story	
Eff Yr Built		Exterior Cond		3/4 Story	
Yr Remodeled		Interior Cond		Fin Over Gar	
No. Kitchens		Constr Grade		Fin Attic	
Kitchen Qual.		Grade Adjust		Fin Bsmt	
No. Baths		Pct Good		Unfin 1/2	
Bath Qual		Funct Obs		Unfin 3/4	
No.Bedrooms		No.Rooms		No.Firplace	
Heat Type		Fuel Type		SFLA	

150' Buffer
1319 Pulaski St
Riverhead NY 11901
Suite/Apt/Comment:
100' Buffer
1295 Pulaski St
Riverhead NY 11901
Suite/Apt/Comment:
PULASKI ST
1262 Pulaski St
Riverhead NY 11901
Suite/Apt/Comment:
100' Buffer
2511.5
RIVERHEAD
TOWN HALL
(WEST)
1502
1281 Pulaski St
Riverhead NY 11901
Suite/Apt/Comment:
48 Industrial Blvd
Riverhead NY 11901
Suite/Apt/Comment:
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Suite/Apt/Comment:
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Riverhead NY 11901
Suite/Apt/Comment:
INDUSTRIAL BLVD
J T BLVD
112 J T Blvd
Riverhead NY 11901
Suite/Apt/Comment:
18 Industrial Blvd
Riverhead NY 11901
Suite/Apt/Comment:
11 Industrial Blvd
Riverhead NY 11901
Suite/Apt/Comment:
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Riverhead NY 11901
Suite/Apt/Comment:
1 Industrial Blvd
Riverhead NY 11901
Suite/Apt/Comment:
1502
150' Buffer

Town of Riverhead
Water Department
1035 Pulaski Street Riverhead, NY 11901

SCTM Number:	0600-124.-1-27

Property Size:	1.454	Acres
Building Size:	8,100	Square Feet
Parking Lot Size:	15,524	Square Feet
Parking Lot Material:	Asphalt/Dirt	
Parking Lot Condition:	Fair	
Winter Road Maintenance:	-	

Local Water Body Present?	No
Waterbody Name/Type:	-
Distance to Property Line:	-

	2021	2022	2023	2024	2025	2026	2027	2028
Condition	Fair							
Swept Dates	-							
Quantity Removed (CY)	-							

Site Features			
	Yes	No	Notes
Playgrounds		X	
Ball Fields		X	
Docking Area		X	
Boater Pumpout		X	
Restroom Buildings	X		Located inside building
Sanitary System	X		
Sanitary System Type	Septic System		

Fertilizer and Pesiticide Usage								
Year Placed	2021	2022	2023	2024	2025	2026	2027	2028
Product Used	N/A							
Total Product Used	N/A							
Quantity as N	N/A							
Quantity as P	N/A							

Solid Waste								
	2021	2022	2023	2024	2025	2026	2027	2028
Refuse	Yes							
Bottle Recycling	Yes							

Property Information

Property Class	822 Water supply	Acres	1.40
School District	Riverhead Csd #2	SCTM	124.-1-27
Location	1035 Pulaski St Riverhead		

Special District Information

Code	Special District
SE306	Rhd sewer rent
FD302	Rvrhd fire zone 1
WD301	Riverhead water
AM001	Rvrhd ambulance dist
LT301	Light district
SE301	Rhd full sewer cap

Owner Information

Name	Riverhead Water District
Street Address	200 Howell Ave
PO BOX	
Unit Name	
City State Zip	Riverhead NY 11901

Additional Owner Information

Name	

Sales Information

No Sale Data available

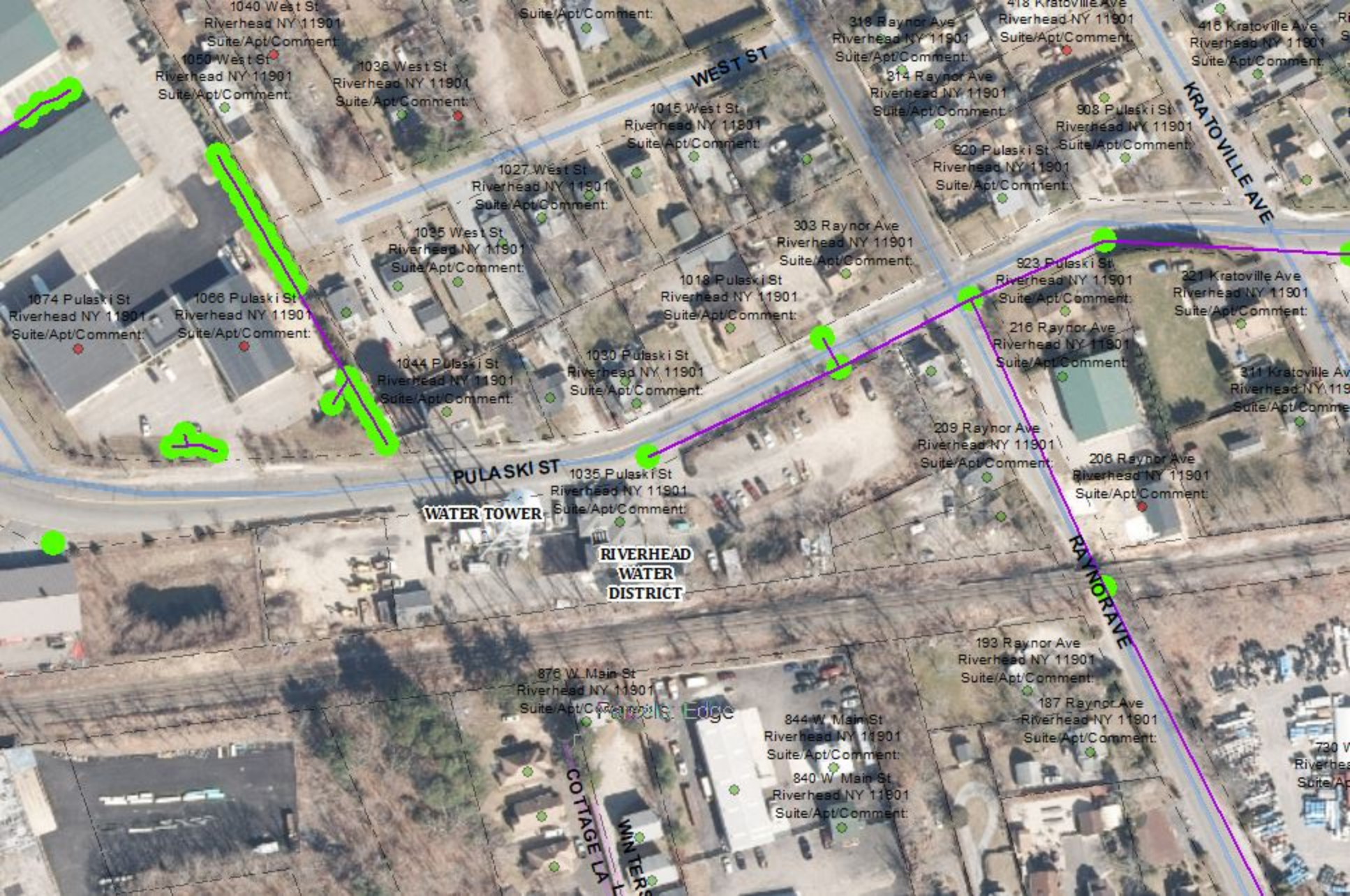
Commercial Information

Property Class		Overall Eff Yr Blt	
Used as Cd		Sewer Type	
Utilities		Overall Desire	
Overall Cond		Overall Grade	

Residential Information

Site No:

Bldg Style		Central Air		1st Story	
No. of Stories		Bsmt Type		2nd Story	
Ext Wall Mat		Bsmt Gar Cap		Addl Story	
Actual Yr Built		Overall Cond		1/2 Story	
Eff Yr Built		Exterior Cond		3/4 Story	
Yr Remodeled		Interior Cond		Fin Over Gar	
No. Kitchens		Constr Grade		Fin Attic	
Kitchen Qual.		Grade Adjust		Fin Bsmt	
No. Baths		Pct Good		Unfin 1/2	
Bath Qual		Funct Obs		Unfin 3/4	
No.Bedrooms		No.Rooms		No.Firplace	
Heat Type		Fuel Type		SFLA	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Riverhead NY 11901
Suite/Apt/Comment:
1050 West St
Riverhead NY 11901
Suite/Apt/Comment:
1036 West St
Riverhead NY 11901
Suite/Apt/Comment:
WEST ST
1015 West St
Riverhead NY 11901
Suite/Apt/Comment:
1027 West St
Riverhead NY 11901
Suite/Apt/Comment:
1035 West St
Riverhead NY 11901
Suite/Apt/Comment:
318 Raynor Ave
Riverhead NY 11901
Suite/Apt/Comment:
418 Kratoville Ave
Riverhead NY 11901
Suite/Apt/Comment:
314 Raynor Ave
Riverhead NY 11901
Suite/Apt/Comment:
908 Pulaski St
Riverhead NY 11901
Suite/Apt/Comment:
920 Pulaski St
Riverhead NY 11901
Suite/Apt/Comment:
KRATOVILLE AVE
303 Raynor Ave
Riverhead NY 11901
Suite/Apt/Comment:
923 Pulaski St
Riverhead NY 11901
Suite/Apt/Comment:
321 Kratoville Ave
Riverhead NY 11901
Suite/Apt/Comment:
216 Raynor Ave
Riverhead NY 11901
Suite/Apt/Comment:
1074 Pulaski St
Riverhead NY 11901
Suite/Apt/Comment:
1066 Pulaski St
Riverhead NY 11901
Suite/Apt/Comment:
1018 Pulaski St
Riverhead NY 11901
Suite/Apt/Comment:
1044 Pulaski St
Riverhead NY 11901
Suite/Apt/Comment:
1030 Pulaski St
Riverhead NY 11901
Suite/Apt/Comment:
209 Raynor Ave
Riverhead NY 11901
Suite/Apt/Comment:
206 Raynor Ave
Riverhead NY 11901
Suite/Apt/Comment:
PULASKI ST
1035 Pulaski St
Riverhead NY 11901
Suite/Apt/Comment:
WATER TOWER
RIVERHEAD
WATER
DISTRICT
RAYNOR AVE
193 Raynor Ave
Riverhead NY 11901
Suite/Apt/Comment:
187 Raynor Ave
Riverhead NY 11901
Suite/Apt/Comment:
876 W Main St
Riverhead NY 11901
Suite/Apt/Comment:
844 W Main St
Riverhead NY 11901
Suite/Apt/Comment:
840 W Main St
Riverhead NY 11901
Suite/Apt/Comment:
COTTAGE LA
WINTERS

Municipal Parking Lots

Town of Riverhead
1st Street Municipal Parking Lot
Located North of East Main Street between Roanoke and East Avenues (No Address)

SCTM Number:	0600-128.-6-66.4

Property Size:	4.15	Acres
Building Size:	N/A	Square Feet
Parking Lot Size:	146,674	Square Feet
Parking Lot Material:	Asphalt	
Parking Lot Condition:	Good	
Winter Road Maintenance:	Yes	

Local Water Body Present?	Yes
Waterbody Name/Type:	Peconic River
Distance to Property Line:	654' to the South

	2021	2022	2023	2024	2025	2026	2027	2028
Condition	Good							
Swept Dates	-							
Quantity Removed (CY)	-							

Site Features			
	Yes	No	Notes
Playgrounds		X	
Ball Fields		X	
Docking Area		X	
Boater Pumpout		X	
Restroom Buildings		X	
Sanitary System		X	
Sanitary System Type	N/A		

Fertilizer and Pesiticide Usage								
Year Placed	2021	2022	2023	2024	2025	2026	2027	2028
Product Used	N/A							
Total Product Used	N/A							
Quantity as N	N/A							
Quantity as P	N/A							

Solid Waste								
	2021	2022	2023	2024	2025	2026	2027	2028
Refuse	N/A							
Bottle Recycling	N/A							

Property Information

Property Class	438 Parking lot	Acres	4.12
School District	Riverhead Csd #2	SCTM	128.-6-66.4
Location	Roanoke Ave Riverhead		

Special District Information

Code	Special District
FD302	Rvrhd fire zone 1
LT301	Light district
BD001	Bus imprvment dist1
SE301	Rhd full sewer cap
HD901	Rhd Hist District
AM001	Rvrhd ambulance dist
EZ001	Empire Zone
WD301	Riverhead water

Owner Information

Name	Riverhead Publ Pkng Dist #1
Street Address	200 Howell Ave
PO BOX	
Unit Name	
City State Zip	Riverhead NY 11901

Additional Owner Information

Name	

Sales Information

No Sale Data available

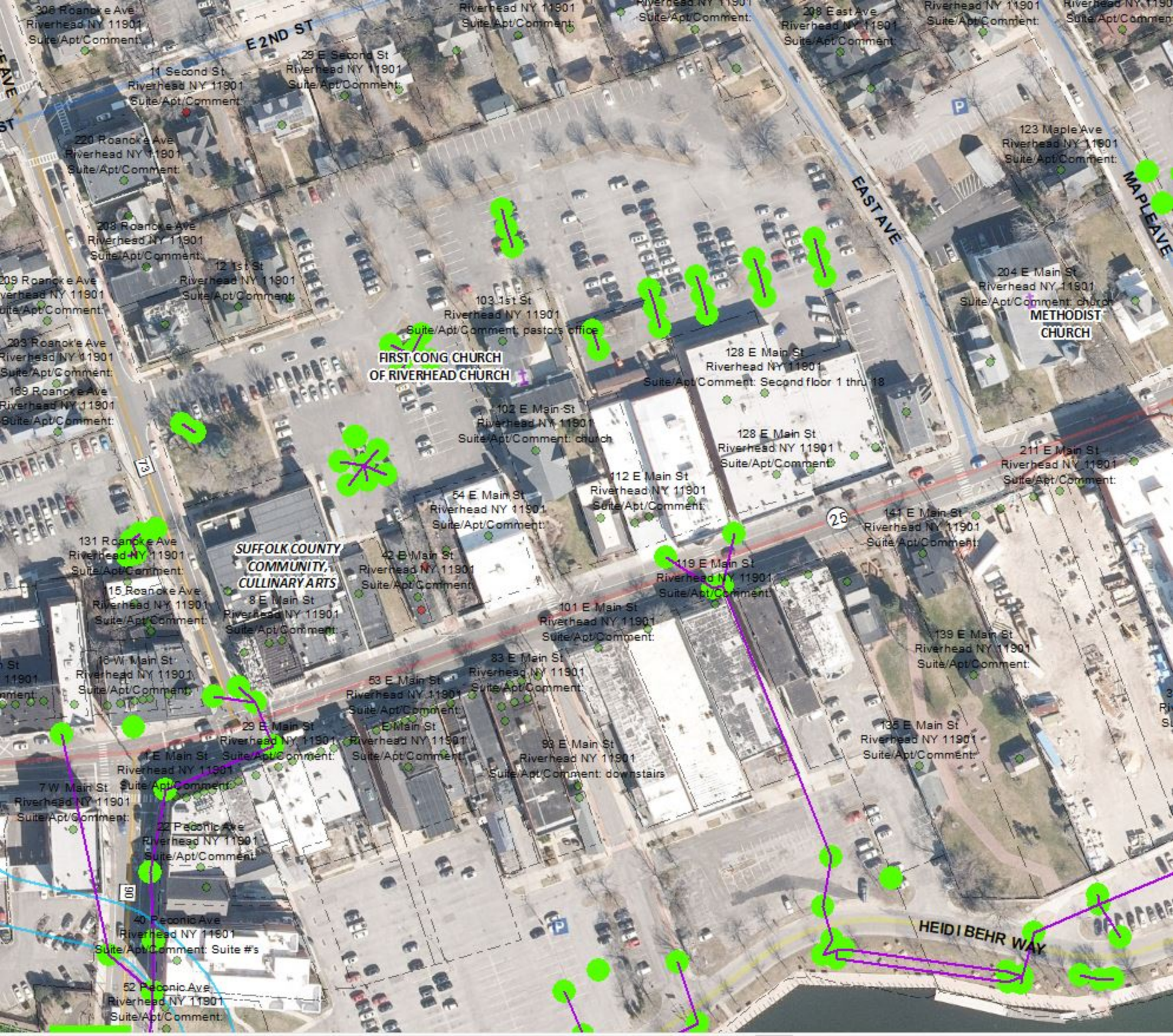
Commercial Information

Property Class		Overall Eff Yr Blt	
Used as Cd		Sewer Type	
Utilities		Overall Desire	
Overall Cond		Overall Grade	

Residential Information

Site No:

Bldg Style		Central Air		1st Story	
No. of Stories		Bsmt Type		2nd Story	
Ext Wall Mat		Bsmt Gar Cap		Addl Story	
Actual Yr Built		Overall Cond		1/2 Story	
Eff Yr Built		Exterior Cond		3/4 Story	
Yr Remodeled		Interior Cond		Fin Over Gar	
No. Kitchens		Constr Grade		Fin Attic	
Kitchen Qual.		Grade Adjust		Fin Bsmt	
No. Baths		Pct Good		Unfin 1/2	
Bath Qual		Funct Obs		Unfin 3/4	
No.Bedrooms		No.Rooms		No.Firplace	
Heat Type		Fuel Type		SFLA	


E 2ND ST
EAST AVE
MAPLE AVE
HEIDI BEHR WAY
FIRST CONG CHURCH OF RIVERHEAD CHURCH
METHODIST CHURCH
SUFFOLK COUNTY COMMUNITY, CULLINARY ARTS
306 Roanoke Ave Riverhead NY 11901 Suite/Apt/Comment:
11 Second St Riverhead NY 11901 Suite/Apt/Comment:
29 E Second St Riverhead NY 11901 Suite/Apt/Comment:
208 East Ave Riverhead NY 11901 Suite/Apt/Comment:
220 Roanoke Ave Riverhead NY 11901 Suite/Apt/Comment:
123 Maple Ave Riverhead NY 11901 Suite/Apt/Comment:
208 Roanoke Ave Riverhead NY 11901 Suite/Apt/Comment:
12 1st St Riverhead NY 11901 Suite/Apt/Comment:
103 1st St Riverhead NY 11901 Suite/Apt/Comment: pastors office
204 E Main St Riverhead NY 11901 Suite/Apt/Comment: church
203 Roanoke Ave Riverhead NY 11901 Suite/Apt/Comment:
169 Roanoke Ave Riverhead NY 11901 Suite/Apt/Comment:
128 E Main St Riverhead NY 11901 Suite/Apt/Comment: Second floor 1 thru 18
102 E Main St Riverhead NY 11901 Suite/Apt/Comment: church
128 E Main St Riverhead NY 11901 Suite/Apt/Comment
211 E Main St Riverhead NY 11901 Suite/Apt/Comment:
112 E Main St Riverhead NY 11901 Suite/Apt/Comment:
54 E Main St Riverhead NY 11901 Suite/Apt/Comment:
141 E Main St Riverhead NY 11901 Suite/Apt/Comment:
131 Roanoke Ave Riverhead NY 11901 Suite/Apt/Comment:
42 E Main St Riverhead NY 11901 Suite/Apt/Comment:
119 E Main St Riverhead NY 11901 Suite/Apt/Comment:
115 Roanoke Ave Riverhead NY 11901 Suite/Apt/Comment:
8 E Main St Riverhead NY 11901 Suite/Apt/Comment:
101 E Main St Riverhead NY 11901 Suite/Apt/Comment:
139 E Main St Riverhead NY 11901 Suite/Apt/Comment:
16 W Main St Riverhead NY 11901 Suite/Apt/Comment:
83 E Main St Riverhead NY 11901 Suite/Apt/Comment:
53 E Main St Riverhead NY 11901 Suite/Apt/Comment:
29 E Main St Riverhead NY 11901 Suite/Apt/Comment:
E Main St Riverhead NY 11901 Suite/Apt/Comment:
135 E Main St Riverhead NY 11901 Suite/Apt/Comment:
93 E Main St Riverhead NY 11901 Suite/Apt/Comment: downstairs
1 E Main St Riverhead NY 11901 Suite/Apt/Comment:
7 W Main St Riverhead NY 11901 Suite/Apt/Comment:
22 Peconic Ave Riverhead NY 11901 Suite/Apt/Comment:
40 Peconic Ave Riverhead NY 11901 Suite/Apt/Comment: Suite #'s
52 Peconic Ave Riverhead NY 11901 Suite/Apt/Comment:

Town of Riverhead
Court Street Parking Lot
220 Court Street Riverhead, NY 11901

SCTM Number:	0600-128.-3-1 through 0600-128.-3-11

Property Size:	2.09	Acres
Building Size:	N/A	Square Feet
Parking Lot Size:	78,240	Square Feet
Parking Lot Material:	Asphalt	
Parking Lot Condition:	Satisfactory	
Winter Road Maintenance:	Yes	

Local Water Body Present?	Yes
Waterbody Name/Type:	Peconic River
Distance to Property Line:	354' to the S-W

	2021	2022	2023	2024	2025	2026	2027	2028
Condition	Satisfactory							
Swept Dates	-							
Quantity Removed (CY)	-							

Site Features			
	Yes	No	Notes
Playgrounds		X	
Ball Fields		X	
Docking Area		X	
Boater Pumpout		X	
Restroom Buildings		X	
Sanitary System		X	
Sanitary System Type	N/A		

Fertilizer and Pesiticide Usage								
Year Placed	2021	2022	2023	2024	2025	2026	2027	2028
Product Used	N/A							
Total Product Used	N/A							
Quantity as N	N/A							
Quantity as P	N/A							

Solid Waste								
	2021	2022	2023	2024	2025	2026	2027	2028
Refuse	No							
Bottle Recycling	No							

Property Information

Property Class	330 Vacant comm	Acres	0.25
School District	Riverhead Csd #2	SCTM	128.-3-1
Location	254 Railroad St Riverhead		

Special District Information

Code	Special District
LT301	Light district
AM001	Rvrhd ambulance dist
BD001	Bus imprvment dist1
WD301	Riverhead water
EZ001	Empire Zone
SE301	Rhd full sewer cap
FD302	Rvrhd fire zone 1

Owner Information

Name	Town of Riverhead
Street Address	200 Howell Ave
PO BOX	
Unit Name	
City State Zip	Riverhead NY 11901

Additional Owner Information

Name	

Sales Information

Sale Date	Deed Date	Deed Book	Deed Page	Sale Price	Sale Primary Owner
12/28/1999	01/26/2000	12016	285	$80,000.00	Town, Of Riverhead
12/13/1991	12/23/1991	11390	263	$116,000.00	Calbrese, John
06/20/1991	06/26/1991	11238	218	$26,350.00	Nieto, Richard J

Commercial Information

Property Class	330 Vacant comm	Overall Eff Yr Blt	0
Used as Cd		Sewer Type	
Utilities		Overall Desire	
Overall Cond		Overall Grade	

Residential Information

Site No:

Bldg Style		Central Air		1st Story	
No. of Stories		Bsmt Type		2nd Story	
Ext Wall Mat		Bsmt Gar Cap		Addl Story	
Actual Yr Built		Overall Cond		1/2 Story	
Eff Yr Built		Exterior Cond		3/4 Story	
Yr Remodeled		Interior Cond		Fin Over Gar	
No. Kitchens		Constr Grade		Fin Attic	
Kitchen Qual.		Grade Adjust		Fin Bsmt	
No. Baths		Pct Good		Unfin 1/2	
Bath Qual		Funct Obs		Unfin 3/4	
No.Bedrooms		No.Rooms		No.Firplace	
Heat Type		Fuel Type		SFLA	

Property Information

Property Class	330 Vacant comm	Acres	0.25
School District	Riverhead Csd #2	SCTM	128.-3-2
Location	243 Railroad St Riverhead		

Special District Information

Code	Special District
BD001	Bus imprvment dist1
AM001	Rvrhd ambulance dist
SE301	Rhd full sewer cap
EZ001	Empire Zone
FD302	Rvrhd fire zone 1
WD301	Riverhead water
LT301	Light district

Owner Information

Name	Town of Riverhead
Street Address	200 Howell Ave
PO BOX	
Unit Name	
City State Zip	Riverhead NY 11901

Additional Owner Information

Name	

Sales Information

Sale Date	Deed Date	Deed Book	Deed Page	Sale Price	Sale Primary Owner
05/05/2000	06/07/2000	12047	281	$50,000.00	Town, Of Riverhead
03/20/1999	04/07/1999	11955	921	$1.00	Feldman, Arnold
10/01/1987	10/27/1987	10455	00087	$38,000.00	Lowell, Edith B

Commercial Information

Property Class		Overall Eff Yr Blt	
Used as Cd		Sewer Type	
Utilities		Overall Desire	
Overall Cond		Overall Grade	

Residential Information

Site No:

Bldg Style		Central Air		1st Story	
No. of Stories		Bsmt Type		2nd Story	
Ext Wall Mat		Bsmt Gar Cap		Addl Story	
Actual Yr Built		Overall Cond		1/2 Story	
Eff Yr Built		Exterior Cond		3/4 Story	
Yr Remodeled		Interior Cond		Fin Over Gar	
No. Kitchens		Constr Grade		Fin Attic	
Kitchen Qual.		Grade Adjust		Fin Bsmt	
No. Baths		Pct Good		Unfin 1/2	
Bath Qual		Funct Obs		Unfin 3/4	
No.Bedrooms		No.Rooms		No.Firplace	
Heat Type		Fuel Type		SFLA	

Property Information

Property Class	330 Vacant comm	Acres	0.12
School District	Riverhead Csd #2	SCTM	128.-3-3
Location	227 Railroad St Riverhead		

Special District Information

Code	Special District
WD301	Riverhead water
LT301	Light district
EZ001	Empire Zone
AM001	Rvrhd ambulance dist
SE301	Rhd full sewer cap
BD001	Bus imprvment dist1
FD302	Rvrhd fire zone 1

Owner Information

Name	Town of Riverhead
Street Address	200 Howell Ave
PO BOX	
Unit Name	
City State Zip	Riverhead NY 11901

Additional Owner Information

Name	

Sales Information

Sale Date	Deed Date	Deed Book	Deed Page	Sale Price	Sale Primary Owner
05/02/2000	08/22/2000	12064	915	$85,000.00	Town, Of Riverhead
12/28/1991	06/11/1992	11481	473	$117,419.00	Haider, Sajida
03/06/1991	04/23/1991	11251	362	$1.00	Fluff
09/01/1988	11/23/1988	10742	00248	$160,000.00	Olsen, Glenn

Commercial Information

Property Class	330 Vacant comm	Overall Eff Yr Blt	0
Used as Cd		Sewer Type	
Utilities		Overall Desire	
Overall Cond		Overall Grade	

Residential Information

Site No:

Bldg Style		Central Air		1st Story	
No. of Stories		Bsmt Type		2nd Story	
Ext Wall Mat		Bsmt Gar Cap		Addl Story	
Actual Yr Built		Overall Cond		1/2 Story	
Eff Yr Built		Exterior Cond		3/4 Story	
Yr Remodeled		Interior Cond		Fin Over Gar	
No. Kitchens		Constr Grade		Fin Attic	
Kitchen Qual.		Grade Adjust		Fin Bsmt	
No. Baths		Pct Good		Unfin 1/2	
Bath Qual		Funct Obs		Unfin 3/4	
No.Bedrooms		No.Rooms		No.Firplace	
Heat Type		Fuel Type		SFLA	

Property Information

Property Class	330 Vacant comm	Acres	0.12
School District	Riverhead Csd #2	SCTM	128.-3-4
Location	217 Railroad St Riverhead		

Special District Information

Code	Special District
AM001	Rvrhd ambulance dist
BD001	Bus imprvment dist1
WD301	Riverhead water
SE301	Rhd full sewer cap
FD302	Rvrhd fire zone 1
LT301	Light district
EZ001	Empire Zone

Owner Information

Name	Town of Riverhead
Street Address	200 Howell Ave
PO BOX	
Unit Name	
City State Zip	Riverhead NY 11901

Additional Owner Information

Name	

Sales Information

Sale Date	Deed Date	Deed Book	Deed Page	Sale Price	Sale Primary Owner
12/01/1983	12/21/1983	9479	00272	$32,500.00	Conlan, Kevin

Commercial Information

Property Class	330 Vacant comm	Overall Eff Yr Blt	0
Used as Cd		Sewer Type	
Utilities		Overall Desire	
Overall Cond		Overall Grade	

Residential Information

Site No:

Bldg Style		Central Air		1st Story	
No. of Stories		Bsmt Type		2nd Story	
Ext Wall Mat		Bsmt Gar Cap		Addl Story	
Actual Yr Built		Overall Cond		1/2 Story	
Eff Yr Built		Exterior Cond		3/4 Story	
Yr Remodeled		Interior Cond		Fin Over Gar	
No. Kitchens		Constr Grade		Fin Attic	
Kitchen Qual.		Grade Adjust		Fin Bsmt	
No. Baths		Pct Good		Unfin 1/2	
Bath Qual		Funct Obs		Unfin 3/4	
No.Bedrooms		No.Rooms		No.Firplace	
Heat Type		Fuel Type		SFLA	

Property Information

Property Class	330 Vacant comm	Acres	0.05
School District	Riverhead Csd #2	SCTM	128.-3-5
Location	207 Railroad St Riverhead		

Special District Information

Code	Special District
SE301	Rhd full sewer cap
FD302	Rvrhd fire zone 1
LT301	Light district
EZ001	Empire Zone
AM001	Rvrhd ambulance dist
BD001	Bus imprvment dist1
WD301	Riverhead water

Owner Information

Name	Town of Riverhead
Street Address	200 Howell Ave
PO BOX	
Unit Name	
City State Zip	Riverhead NY 11901

Additional Owner Information

Name	

Sales Information

Sale Date	Deed Date	Deed Book	Deed Page	Sale Price	Sale Primary Owner
12/01/1984	12/31/1984	9705	00586	$50,000.00	Conlan, Kevin

Commercial Information

Property Class	330 Vacant comm	Overall Eff Yr Blt	0
Used as Cd		Sewer Type	
Utilities		Overall Desire	
Overall Cond		Overall Grade	

Residential Information

Site No:

Bldg Style		Central Air		1st Story	
No. of Stories		Bsmt Type		2nd Story	
Ext Wall Mat		Bsmt Gar Cap		Addl Story	
Actual Yr Built		Overall Cond		1/2 Story	
Eff Yr Built		Exterior Cond		3/4 Story	
Yr Remodeled		Interior Cond		Fin Over Gar	
No. Kitchens		Constr Grade		Fin Attic	
Kitchen Qual.		Grade Adjust		Fin Bsmt	
No. Baths		Pct Good		Unfin 1/2	
Bath Qual		Funct Obs		Unfin 3/4	
No.Bedrooms		No.Rooms		No.Firplace	
Heat Type		Fuel Type		SFLA	

Property Information

Property Class	330 Vacant comm	Acres	0.11
School District	Riverhead Csd #2	SCTM	128.-3-6
Location	201 Railroad St Riverhead		

Special District Information

Code	Special District
LT301	Light district
AM001	Rvrhd ambulance dist
WD301	Riverhead water
BD001	Bus imprvment dist1
SE301	Rhd full sewer cap
FD302	Rvrhd fire zone 1
EZ001	Empire Zone

Owner Information

Name	Town of Riverhead
Street Address	200 Howell Ave
PO BOX	
Unit Name	
City State Zip	Riverhead NY 11901

Additional Owner Information

Name	

Sales Information

Sale Date	Deed Date	Deed Book	Deed Page	Sale Price	Sale Primary Owner
02/01/1988	03/01/1988	10551	00446	$190,000.00	Mrh Realty Inc

Commercial Information

Property Class	330 Vacant comm	Overall Eff Yr Blt	0
Used as Cd		Sewer Type	
Utilities		Overall Desire	
Overall Cond		Overall Grade	

Residential Information

Site No:

Bldg Style		Central Air		1st Story	
No. of Stories		Bsmt Type		2nd Story	
Ext Wall Mat		Bsmt Gar Cap		Addl Story	
Actual Yr Built		Overall Cond		1/2 Story	
Eff Yr Built		Exterior Cond		3/4 Story	
Yr Remodeled		Interior Cond		Fin Over Gar	
No. Kitchens		Constr Grade		Fin Attic	
Kitchen Qual.		Grade Adjust		Fin Bsmt	
No. Baths		Pct Good		Unfin 1/2	
Bath Qual		Funct Obs		Unfin 3/4	
No.Bedrooms		No.Rooms		No.Firplace	
Heat Type		Fuel Type		SFLA	

Property Information

Property Class	330 Vacant comm	Acres	0.40
School District	Riverhead Csd #2	SCTM	128.-3-7
Location	210 Osborn Ave Riverhead		

Special District Information

Code	Special District
EZ001	Empire Zone
FD302	Rvrhd fire zone 1
AM001	Rvrhd ambulance dist
BD001	Bus imprvment dist1
WD301	Riverhead water
SE301	Rhd full sewer cap
LT301	Light district

Owner Information

Name	Town of Riverhead
Street Address	200 Howell Ave
PO BOX	
Unit Name	
City State Zip	Riverhead NY 11901

Additional Owner Information

Name	

Sales Information

Sale Date	Deed Date	Deed Book	Deed Page	Sale Price	Sale Primary Owner
12/15/1994	12/21/1994	11707	531	$1.00	Town, Of Riverhead

Commercial Information

Property Class	330 Vacant comm	Overall Eff Yr Blt	0
Used as Cd		Sewer Type	
Utilities		Overall Desire	
Overall Cond		Overall Grade	

Residential Information

Site No:

Bldg Style		Central Air		1st Story	
No. of Stories		Bsmt Type		2nd Story	
Ext Wall Mat		Bsmt Gar Cap		Addl Story	
Actual Yr Built		Overall Cond		1/2 Story	
Eff Yr Built		Exterior Cond		3/4 Story	
Yr Remodeled		Interior Cond		Fin Over Gar	
No. Kitchens		Constr Grade		Fin Attic	
Kitchen Qual.		Grade Adjust		Fin Bsmt	
No. Baths		Pct Good		Unfin 1/2	
Bath Qual		Funct Obs		Unfin 3/4	
No.Bedrooms		No.Rooms		No.Firplace	
Heat Type		Fuel Type		SFLA	

Property Information

Property Class	311 Res vac land	Acres	0.20
School District	Riverhead Csd #2	SCTM	128.-3-8
Location	222 Court St Riverhead		

Special District Information

Code	Special District
AM001	Rvrhd ambulance dist
BD001	Bus imprvment dist1
LT301	Light district
EZ001	Empire Zone
SE301	Rhd full sewer cap
WD301	Riverhead water
FD302	Rvrhd fire zone 1

Owner Information

Name	Town of Riverhead
Street Address	200 Howell Ave
PO BOX	
Unit Name	
City State Zip	Riverhead NY 11901

Additional Owner Information

Name	

Sales Information

Sale Date	Deed Date	Deed Book	Deed Page	Sale Price	Sale Primary Owner
07/01/1984	07/12/1984	9598	00459	$1.00	Portion Properties Inc

Commercial Information

Property Class	311 Res vac land	Overall Eff Yr Blt	0
Used as Cd		Sewer Type	
Utilities		Overall Desire	
Overall Cond		Overall Grade	

Residential Information

Site No:

Bldg Style		Central Air		1st Story	
No. of Stories		Bsmt Type		2nd Story	
Ext Wall Mat		Bsmt Gar Cap		Addl Story	
Actual Yr Built		Overall Cond		1/2 Story	
Eff Yr Built		Exterior Cond		3/4 Story	
Yr Remodeled		Interior Cond		Fin Over Gar	
No. Kitchens		Constr Grade		Fin Attic	
Kitchen Qual.		Grade Adjust		Fin Bsmt	
No. Baths		Pct Good		Unfin 1/2	
Bath Qual		Funct Obs		Unfin 3/4	
No.Bedrooms		No.Rooms		No.Firplace	
Heat Type		Fuel Type		SFLA	

Property Information

Property Class	330 Vacant comm	Acres	0.25
School District	Riverhead Csd #2	SCTM	128.-3-9
Location	216 Court St Riverhead		

Special District Information

Code	Special District
EZ001	Empire Zone
WD301	Riverhead water
SE301	Rhd full sewer cap
FD302	Rvrhd fire zone 1
BD001	Bus imprvment dist1
AM001	Rvrhd ambulance dist
LT301	Light district

Owner Information

Name	Town of Riverhead
Street Address	200 Howell Ave
PO BOX	
Unit Name	
City State Zip	Riverhead NY 11901

Additional Owner Information

Name	

Sales Information

Sale Date	Deed Date	Deed Book	Deed Page	Sale Price	Sale Primary Owner
05/08/2001	05/21/2001	12119	567	$140,000.00	Town, Of Riverhead
04/07/2000	05/18/2000	12043	445	$110,000.00	Leanza, Anthony J Jr

Commercial Information

Property Class	330 Vacant comm	Overall Eff Yr Blt	0
Used as Cd		Sewer Type	
Utilities		Overall Desire	
Overall Cond		Overall Grade	

Residential Information

Site No:

Bldg Style		Central Air		1st Story	
No. of Stories		Bsmt Type		2nd Story	
Ext Wall Mat		Bsmt Gar Cap		Addl Story	
Actual Yr Built		Overall Cond		1/2 Story	
Eff Yr Built		Exterior Cond		3/4 Story	
Yr Remodeled		Interior Cond		Fin Over Gar	
No. Kitchens		Constr Grade		Fin Attic	
Kitchen Qual.		Grade Adjust		Fin Bsmt	
No. Baths		Pct Good		Unfin 1/2	
Bath Qual		Funct Obs		Unfin 3/4	
No.Bedrooms		No.Rooms		No.Firplace	
Heat Type		Fuel Type		SFLA	

Property Information

Property Class	330 Vacant comm	Acres	0.16
School District	Riverhead Csd #2	SCTM	128.-3-10
Location	210 Court St Riverhead		

Special District Information

Code	Special District
SE301	Rhd full sewer cap
FD302	Rvrhd fire zone 1
AM001	Rvrhd ambulance dist
BD001	Bus imprvment dist1
LT301	Light district
WD301	Riverhead water
EZ001	Empire Zone

Owner Information

Name	Town of Riverhead
Street Address	200 Howell Ave
PO BOX	
Unit Name	
City State Zip	Riverhead NY 11901

Additional Owner Information

Name	

Sales Information

Sale Date	Deed Date	Deed Book	Deed Page	Sale Price	Sale Primary Owner
12/05/2002	12/12/2002	26435	2002	$1.00	Town of Riverhead
02/25/1999	02/26/1999	11947	900	$240,000.00	Clubhouse Of Suffolk Inc
08/06/1990	11/07/1990	11166	456	$1.00	Tuccio, Edwin Fishel
05/01/1984	06/04/1984	9574	00173	$26,400.00	Muma, Dorothy

Commercial Information

Property Class	330 Vacant comm	Overall Eff Yr Blt	0
Used as Cd		Sewer Type	
Utilities		Overall Desire	
Overall Cond		Overall Grade	

Residential Information

Site No:

Bldg Style		Central Air		1st Story	
No. of Stories		Bsmt Type		2nd Story	
Ext Wall Mat		Bsmt Gar Cap		Addl Story	
Actual Yr Built		Overall Cond		1/2 Story	
Eff Yr Built		Exterior Cond		3/4 Story	
Yr Remodeled		Interior Cond		Fin Over Gar	
No. Kitchens		Constr Grade		Fin Attic	
Kitchen Qual.		Grade Adjust		Fin Bsmt	
No. Baths		Pct Good		Unfin 1/2	
Bath Qual		Funct Obs		Unfin 3/4	
No.Bedrooms		No.Rooms		No.Firplace	
Heat Type		Fuel Type		SFLA	

Property Information

Property Class	330 Vacant comm	Acres	0.16
School District	Riverhead Csd #2	SCTM	128.-3-11
Location	204 Court St Riverhead		

Special District Information

Code	Special District
LT301	Light district
EZ001	Empire Zone
WD301	Riverhead water
AM001	Rvrhd ambulance dist
SE301	Rhd full sewer cap
FD302	Rvrhd fire zone 1
BD001	Bus imprvment dist1

Owner Information

Name	Town of Riverhead
Street Address	200 Howell Ave
PO BOX	
Unit Name	
City State Zip	Riverhead NY 11901

Additional Owner Information

Name	

Sales Information

Sale Date	Deed Date	Deed Book	Deed Page	Sale Price	Sale Primary Owner
11/19/2002	11/22/2002	26436	2002	$1.00	Town of Riverhead
04/01/1983	04/04/1983	9336	00556	$17,987.00	Muma, Dorothy

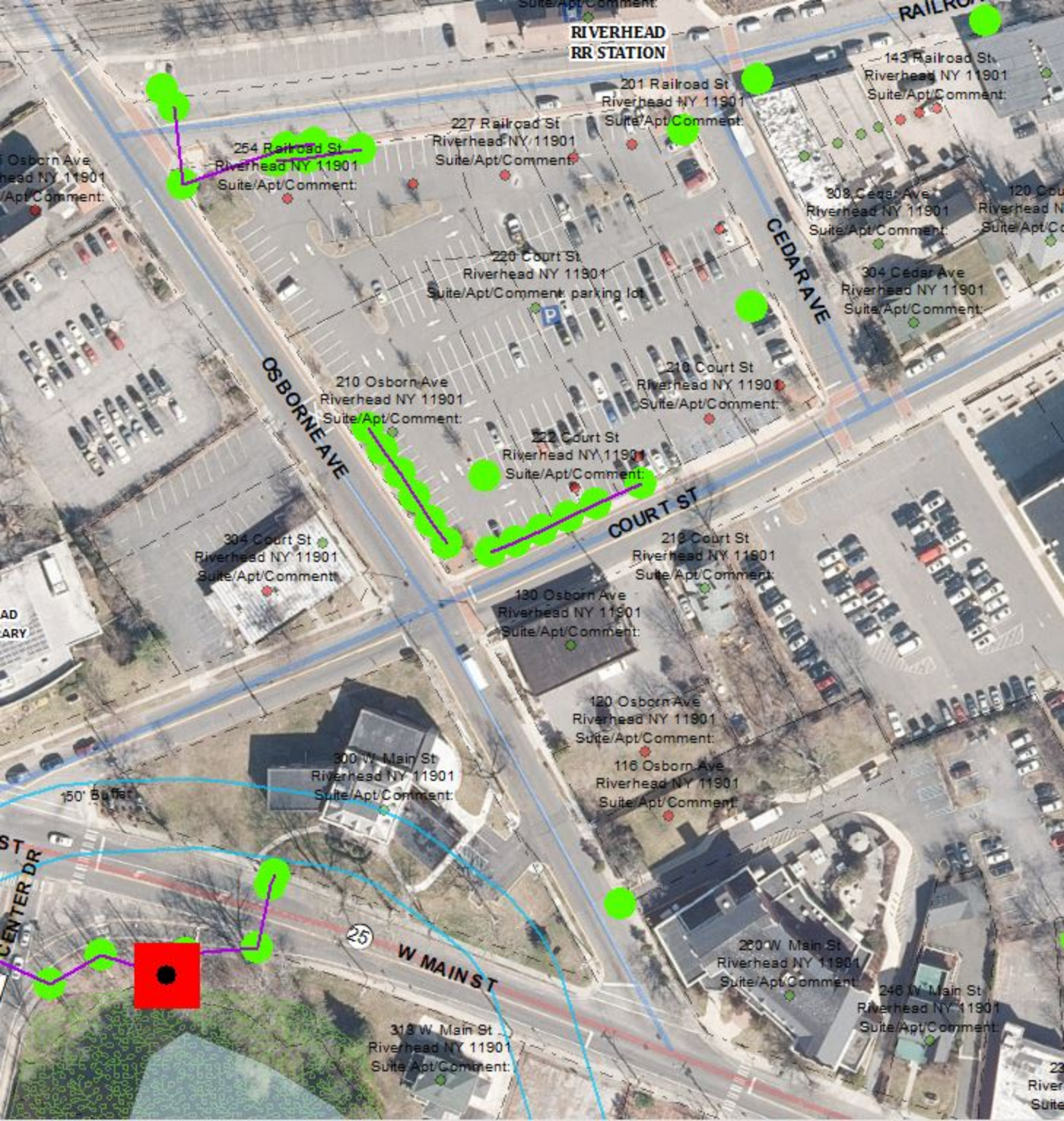
Commercial Information

Property Class	330 Vacant comm	Overall Eff Yr Blt	0
Used as Cd		Sewer Type	
Utilities	Gas & elec	Overall Desire	
Overall Cond		Overall Grade	

Residential Information

Site No:

Bldg Style		Central Air		1st Story	
No. of Stories		Bsmt Type		2nd Story	
Ext Wall Mat		Bsmt Gar Cap		Addl Story	
Actual Yr Built		Overall Cond		1/2 Story	
Eff Yr Built		Exterior Cond		3/4 Story	
Yr Remodeled		Interior Cond		Fin Over Gar	
No. Kitchens		Constr Grade		Fin Attic	
Kitchen Qual.		Grade Adjust		Fin Bsmt	
No. Baths		Pct Good		Unfin 1/2	
Bath Qual		Funct Obs		Unfin 3/4	
No.Bedrooms		No.Rooms		No.Firplace	
Heat Type		Fuel Type		SFLA	


RIVERHEAD
RR STATION
143 Railroad St
Riverhead NY 11901
Suite/Apt/Comment:
201 Railroad St
Riverhead NY 11901
Suite/Apt/Comment:
227 Railroad St
Riverhead NY 11901
Suite/Apt/Comment:
254 Railroad St
Riverhead NY 11901
Suite/Apt/Comment:
308 Cedar Ave
Riverhead NY 11901
Suite/Apt/Comment:
CEDAR AVE
220 Court St
Riverhead NY 11901
Suite/Apt/Comment: parking lot
304 Cedar Ave
Riverhead NY 11901
Suite/Apt/Comment:
OSBORNE AVE
210 Osborn Ave
Riverhead NY 11901
Suite/Apt/Comment:
210 Court St
Riverhead NY 11901
Suite/Apt/Comment:
222 Court St
Riverhead NY 11901
Suite/Apt/Comment:
COURT ST
304 Court St
Riverhead NY 11901
Suite/Apt/Comment:
212 Court St
Riverhead NY 11901
Suite/Apt/Comment:
130 Osborn Ave
Riverhead NY 11901
Suite/Apt/Comment:
120 Osborn Ave
Riverhead NY 11901
Suite/Apt/Comment:
116 Osborn Ave
Riverhead NY 11901
Suite/Apt/Comment:
300 W Main St
Riverhead NY 11901
Suite/Apt/Comment:
150' Buffer
CENTER DR
25
W MAIN ST
260 W Main St
Riverhead NY 11901
Suite/Apt/Comment:
246 W Main St
Riverhead NY 11901
Suite/Apt/Comment:
318 W Main St
Riverhead NY 11901
Suite/Apt/Comment:

Town of Riverhead
Digger's Parking Lot
136 Griffing Avenue Riverhead, NY 11901

SCTM Number:	0600-128.-6-13.2 and 0600-128.-6-14

Property Size:	1.42	Acres
Building Size:	N/A	Square Feet
Parking Lot Size:	58,400	Square Feet
Parking Lot Material:	Asphalt	
Parking Lot Condition:	Good	
Winter Road Maintenance:	Yes	

Local Water Body Present?	Yes
Waterbody Name/Type:	Peconic River
Distance to Property Line:	387' to the South

	2021	2022	2023	2024	2025	2026	2027	2028
Condition	Good							
Swept Dates	-							
Quantity Removed (CY)	-							

Site Features			
	Yes	No	Notes
Playgrounds		X	
Ball Fields		X	
Docking Area		X	
Boater Pumpout		X	
Restroom Buildings		X	
Sanitary System		X	
Sanitary System Type	N/A		

Fertilizer and Pesiticide Usage								
Year Placed	2021	2022	2023	2024	2025	2026	2027	2028
Product Used	N/A							
Total Product Used	N/A							
Quantity as N	N/A							
Quantity as P	N/A							

Solid Waste								
	2021	2022	2023	2024	2025	2026	2027	2028
Refuse	No							
Bottle Recycling	No							

Property Information

Property Class	438 Parking lot	Acres	0.48
School District	Riverhead Csd #2	SCTM	128.-6-14
Location	136 Griffing Ave Riverhead		

Special District Information

Code	Special District
AM001	Rvrhd ambulance dist
BD001	Bus imprvment dist1
FD302	Rvrhd fire zone 1
LT301	Light district
WD301	Riverhead water
SE301	Rhd full sewer cap
HD901	Rhd Hist District

Owner Information

Name	Riverhead Publ Pkng Dist #1
Street Address	200 Howell Ave
PO BOX	
Unit Name	
City State Zip	Riverhead NY 11901

Additional Owner Information

Name	

Sales Information

No Sale Data available

Commercial Information

Property Class		Overall Eff Yr Blt	
Used as Cd		Sewer Type	
Utilities		Overall Desire	
Overall Cond		Overall Grade	

Residential Information

Site No:

Bldg Style		Central Air		1st Story	
No. of Stories		Bsmt Type		2nd Story	
Ext Wall Mat		Bsmt Gar Cap		Addl Story	
Actual Yr Built		Overall Cond		1/2 Story	
Eff Yr Built		Exterior Cond		3/4 Story	
Yr Remodeled		Interior Cond		Fin Over Gar	
No. Kitchens		Constr Grade		Fin Attic	
Kitchen Qual.		Grade Adjust		Fin Bsmt	
No. Baths		Pct Good		Unfin 1/2	
Bath Qual		Funct Obs		Unfin 3/4	
No.Bedrooms		No.Rooms		No.Firplace	
Heat Type		Fuel Type		SFLA	

Property Information

Property Class	653 Govt pk lot	Acres	0.87
School District	Riverhead Csd #2	SCTM	128.-6-13.2
Location	Roanoke Ave Riverhead		

Special District Information

Code	Special District
BD001	Bus imprvment dist1
WD301	Riverhead water
SE301	Rhd full sewer cap

Owner Information

Name	Town Of Riverhead
Street Address	200 Howell Ave
PO BOX	
Unit Name	
City State Zip	Riverhead NY 11901

Additional Owner Information

Name	

Sales Information

No Sale Data available

Commercial Information

Property Class		Overall Eff Yr Blt	
Used as Cd		Sewer Type	
Utilities		Overall Desire	
Overall Cond		Overall Grade	

Residential Information

Site No:

Bldg Style		Central Air		1st Story	
No. of Stories		Bsmt Type		2nd Story	
Ext Wall Mat		Bsmt Gar Cap		Addl Story	
Actual Yr Built		Overall Cond		1/2 Story	
Eff Yr Built		Exterior Cond		3/4 Story	
Yr Remodeled		Interior Cond		Fin Over Gar	
No. Kitchens		Constr Grade		Fin Attic	
Kitchen Qual.		Grade Adjust		Fin Bsmt	
No. Baths		Pct Good		Unfin 1/2	
Bath Qual		Funct Obs		Unfin 3/4	
No.Bedrooms		No.Rooms		No.Firplace	
Heat Type		Fuel Type		SFLA	

150 Griffing Ave
Riverhead NY 11901
Suite/Apt/Comment:
Parcels Edge
169 Roanoke Ave
Riverhead NY 11901
Suite/Apt/Comment:
142 Griffing Ave
Riverhead NY 11901
Suite/Apt/Comment:
GRIFFING AVE
P
73
ROANOKE AVE
129 Griffing Ave
Riverhead NY 11901
Suite/Apt/Comment:
132 Griffing Ave
Riverhead NY 11901
Suite/Apt/Comment:
122 Griffing Ave
Riverhead NY 11901
Suite/Apt/Comment:
118 Griffing Ave
Riverhead NY 11901
Suite/Apt/Comment:
117 Griffing Ave
Riverhead NY 11901
Suite/Apt/Comment:
114 W Main St
Riverhead NY 11901
Suite/Apt/Comment:
106 Griffing Ave
131 Roanoke Ave
Riverhead NY 11901
Suite/Apt/Comment:
125 Roanoke Ave
Riverhead NY 11901
Suite/Apt/Comment:
115 Roanoke Ave
Riverhead NY 11901
Suite/Apt/Comment:

Town of Riverhead
Griffing Avenue Parking Lot
138 West Main Street Riverhead, NY 11901

SCTM Number:	0600-128.-3-36

Property Size:	0.746	Acres
Building Size:	N/A	Square Feet
Parking Lot Size:	32,496	Square Feet
Parking Lot Material:	Asphalt	
Parking Lot Condition:	Good	
Winter Road Maintenance:	Yes	

Local Water Body Present?	Yes
Waterbody Name/Type:	Peconic River
Distance to Property Line:	279' to the South

	2021	2022	2023	2024	2025	2026	2027	2028
Condition	Good							
Swept Dates	-							
Quantity Removed (CY)	-							

Site Features			
	Yes	No	Notes
Playgrounds		X	
Ball Fields		X	
Docking Area		X	
Boater Pumpout		X	
Restroom Buildings		X	
Sanitary System		X	
Sanitary System Type	N/A		

Fertilizer and Pesiticide Usage								
Year Placed	2021	2022	2023	2024	2025	2026	2027	2028
Product Used	N/A							
Total Product Used	N/A							
Quantity as N	N/A							
Quantity as P	N/A							

Solid Waste								
	2021	2022	2023	2024	2025	2026	2027	2028
Refuse	-							
Bottle Recycling	-							

Property Information

Property Class	438 Parking lot	Acres	0.80
School District	Riverhead Csd #2	SCTM	128.-3-36
Location	157-167 Griffing Ave Riverhead		

Special District Information

Code	Special District
BD001	Bus imprvment dist1
FD302	Rvrhd fire zone 1
LT301	Light district
SE301	Rhd full sewer cap
WD301	Riverhead water
HD901	Rhd Hist District
AM001	Rvrhd ambulance dist

Owner Information

Name	Town Of Riverhead
Street Address	200 Howell Ave
PO BOX	
Unit Name	
City State Zip	Riverhead NY 11901

Additional Owner Information

Name	

Sales Information

No Sale Data available

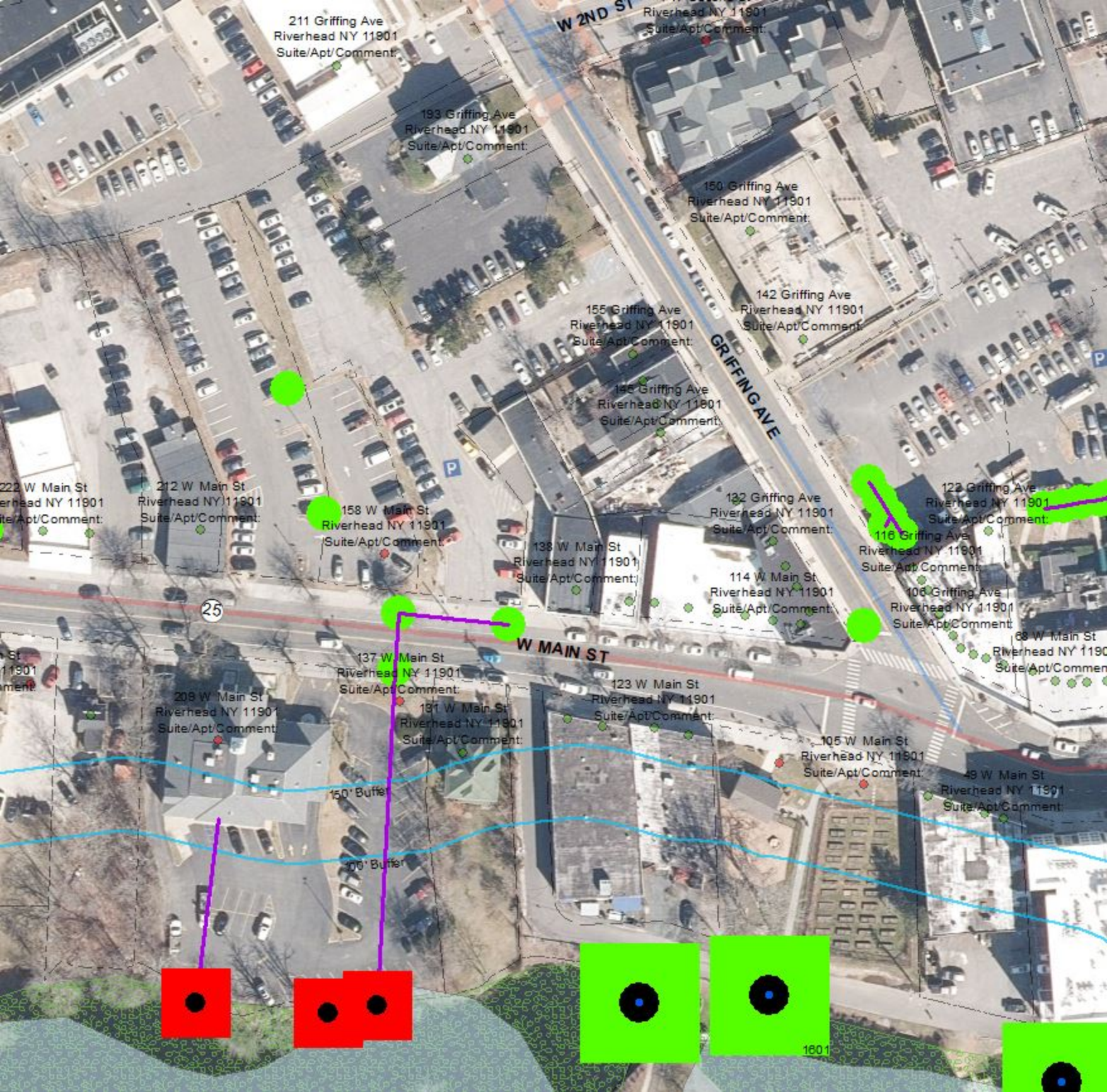
Commercial Information

Property Class		Overall Eff Yr Blt	
Used as Cd		Sewer Type	
Utilities		Overall Desire	
Overall Cond		Overall Grade	

Residential Information

Site No:

Bldg Style		Central Air		1st Story	
No. of Stories		Bsmt Type		2nd Story	
Ext Wall Mat		Bsmt Gar Cap		Addl Story	
Actual Yr Built		Overall Cond		1/2 Story	
Eff Yr Built		Exterior Cond		3/4 Story	
Yr Remodeled		Interior Cond		Fin Over Gar	
No. Kitchens		Constr Grade		Fin Attic	
Kitchen Qual.		Grade Adjust		Fin Bsmt	
No. Baths		Pct Good		Unfin 1/2	
Bath Qual		Funct Obs		Unfin 3/4	
No.Bedrooms		No.Rooms		No.Firplace	
Heat Type		Fuel Type		SFLA	


211 Griffing Ave
Riverhead NY 11901
Suite/Apt/Comment:
W 2ND ST
Riverhead NY 11901
Suite/Apt/Comment:
193 Griffing Ave
Riverhead NY 11901
Suite/Apt/Comment:
150 Griffing Ave
Riverhead NY 11901
Suite/Apt/Comment:
142 Griffing Ave
Riverhead NY 11901
Suite/Apt/Comment:
155 Griffing Ave
Riverhead NY 11901
Suite/Apt/Comment:
GRIFFING AVE
146 Griffing Ave
Riverhead NY 11901
Suite/Apt/Comment:
222 W Main St
Riverhead NY 11901
Suite/Apt/Comment:
212 W Main St
Riverhead NY 11901
Suite/Apt/Comment:
158 W Main St
Riverhead NY 11901
Suite/Apt/Comment:
132 Griffing Ave
Riverhead NY 11901
Suite/Apt/Comment:
122 Griffing Ave
Riverhead NY 11901
Suite/Apt/Comment:
116 Griffing Ave
Riverhead NY 11901
Suite/Apt/Comment:
138 W Main St
Riverhead NY 11901
Suite/Apt/Comment:
114 W Main St
Riverhead NY 11901
Suite/Apt/Comment:
106 Griffing Ave
Riverhead NY 11901
Suite/Apt/Comment:
25
W MAIN ST
68 W Main St
Riverhead NY 1190
Suite/Apt/Comment
137 W Main St
Riverhead NY 11901
Suite/Apt/Comment:
123 W Main St
Riverhead NY 11901
Suite/Apt/Comment:
209 W Main St
Riverhead NY 11901
Suite/Apt/Comment:
191 W Main St
Riverhead NY 11901
Suite/Apt/Comment:
105 W Main St
Riverhead NY 11901
Suite/Apt/Comment:
49 W Main St
Riverhead NY 11901
Suite/Apt/Comment:
150' Buffer
100' Buffer
1601

Town of Riverhead
Hamilton Avenue Municipal Lot
324 Hamilton Avenue Riverhead, NY 11901

SCTM Number:	0600-123.-3-23

Property Size:	0.49	Acres
Building Size:	N/A	Square Feet
Parking Lot Size:	20,380	Square Feet
Parking Lot Material:	Asphalt	
Parking Lot Condition:	Fair	
Winter Road Maintenance:	Yes	

Local Water Body Present?	No
Waterbody Name/Type:	N/A
Distance to Property Line:	N/A

	2021	2022	2023	2024	2025	2026	2027	2028
Condition	Fair							
Swept Dates	N/A							
Quantity Removed (CY)	N/A							

Site Features			
	Yes	No	Notes
Playgrounds		X	
Ball Fields		X	
Docking Area		X	
Boater Pumpout		X	
Restroom Buildings		X	
Sanitary System		X	
Sanitary System Type	N/A		

Fertilizer and Pesiticide Usage								
Year Placed	2021	2022	2023	2024	2025	2026	2027	2028
Product Used	N/A							
Total Product Used	N/A							
Quantity as N	N/A							
Quantity as P	N/A							

Solid Waste								
	2021	2022	2023	2024	2025	2026	2027	2028
Refuse	No							
Bottle Recycling	No							

Property Information

Property Class	438 Parking lot	Acres	0.00
School District	Riverhead Csd #2	SCTM	123.-3-23
Location	324 Hamilton Ave Riverhead		

Special District Information

Code	Special District
WD301	Riverhead water
LT301	Light district
AM001	Rvrhd ambulance dist
FD302	Rvrhd fire zone 1
SE301	Rhd full sewer cap

Owner Information

Name	Town of Riverhead
Street Address	200 Howell Ave
PO BOX	
Unit Name	
City State Zip	Riverhead NY 11901

Additional Owner Information

Name	

Sales Information

No Sale Data available

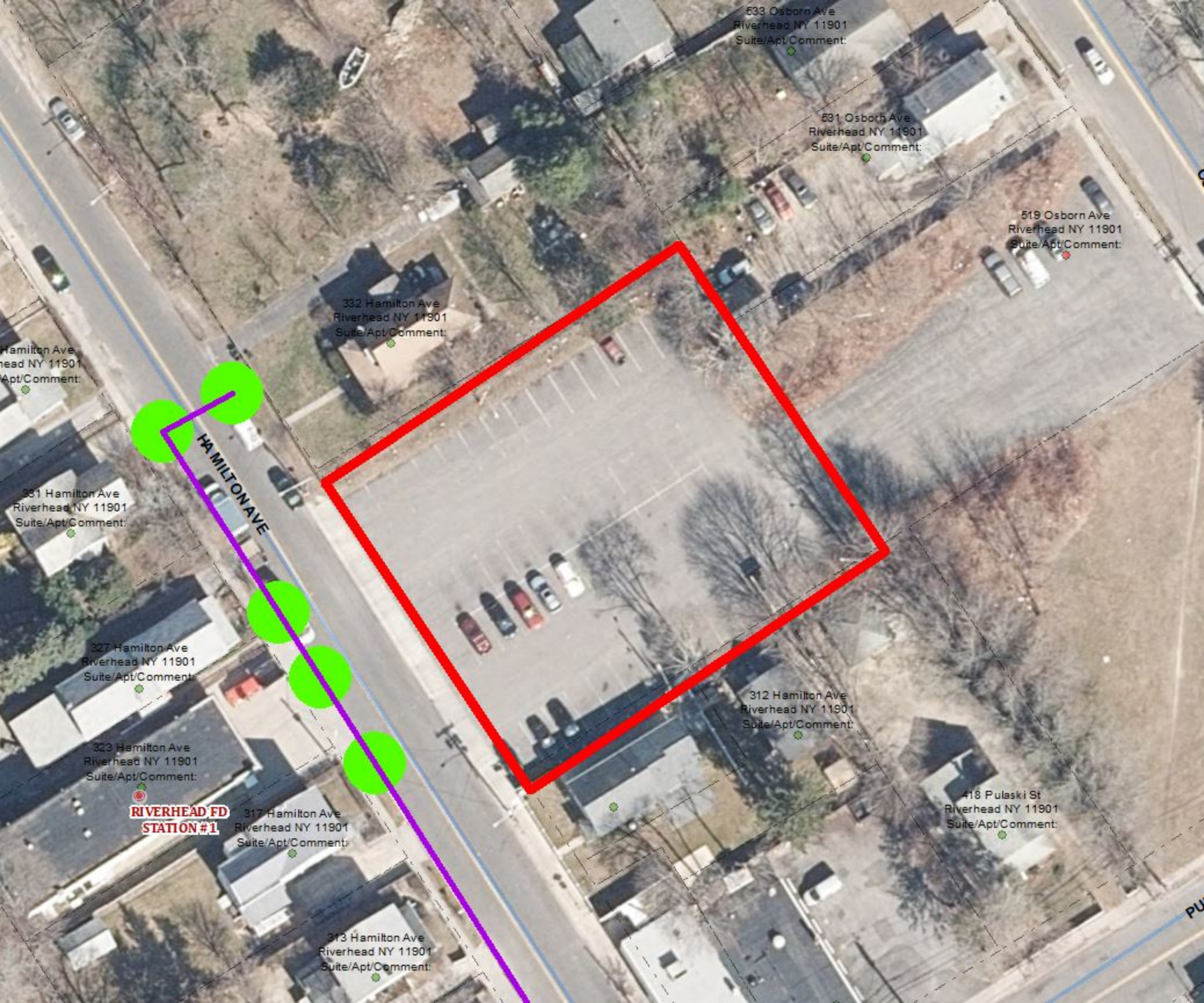
Commercial Information

Property Class	438 Parking lot	Overall Eff Yr Blt	0
Used as Cd		Sewer Type	
Utilities	Gas & elec	Overall Desire	
Overall Cond		Overall Grade	

Residential Information

Site No:

Bldg Style		Central Air		1st Story	
No. of Stories		Bsmt Type		2nd Story	
Ext Wall Mat		Bsmt Gar Cap		Addl Story	
Actual Yr Built		Overall Cond		1/2 Story	
Eff Yr Built		Exterior Cond		3/4 Story	
Yr Remodeled		Interior Cond		Fin Over Gar	
No. Kitchens		Constr Grade		Fin Attic	
Kitchen Qual.		Grade Adjust		Fin Bsmt	
No. Baths		Pct Good		Unfin 1/2	
Bath Qual		Funct Obs		Unfin 3/4	
No.Bedrooms		No.Rooms		No.Firplace	
Heat Type		Fuel Type		SFLA	


533 Osborn Ave
Riverhead NY 11901
Suite/Apt/Comment:
531 Osborn Ave
Riverhead NY 11901
Suite/Apt/Comment:
519 Osborn Ave
Riverhead NY 11901
Suite/Apt/Comment:
332 Hamilton Ave
Riverhead NY 11901
Suite/Apt/Comment:
HAMILTON AVE
331 Hamilton Ave
Riverhead NY 11901
Suite/Apt/Comment:
327 Hamilton Ave
Riverhead NY 11901
Suite/Apt/Comment:
323 Hamilton Ave
Riverhead NY 11901
Suite/Apt/Comment:
RIVERHEAD FD
STATION #1
317 Hamilton Ave
Riverhead NY 11901
Suite/Apt/Comment:
313 Hamilton Ave
Riverhead NY 11901
Suite/Apt/Comment:
312 Hamilton Ave
Riverhead NY 11901
Suite/Apt/Comment:
418 Pulaski St
Riverhead NY 11901
Suite/Apt/Comment:

Town of Riverhead
Hulse Landing Road Pakring Lots and Beach Access
917 and 937 Hulse Landing Road Wading River, NY 11792

SCTM Number:	0600-28.-1-15 and 0600-28.-1-16

Property Size:	0.47 and 0.37	Acres
Building Size:	N/A	Square Feet
Parking Lot Size:	14,620	Square Feet
Parking Lot Material:	Asphalt	
Parking Lot Condition:	Fair	
Winter Road Maintenance:	Yes	

Local Water Body Present?	Yes
Waterbody Name/Type:	Long Island Sound
Distance to Property Line:	470' to the North

	2021	2022	2023	2024	2025	2026	2027	2028
Condition	Fair							
Swept Dates	-							
Quantity Removed (CY)	-							

Site Features			
	Yes	No	Notes
Playgrounds		X	
Ball Fields		X	
Docking Area		X	
Boater Pumpout		X	
Restroom Buildings		X	
Sanitary System		X	
Sanitary System Type	N/A		

Fertilizer and Pesiticide Usage								
Year Placed	2021	2022	2023	2024	2025	2026	2027	2028
Product Used	N/A							
Total Product Used	N/A							
Quantity as N	N/A							
Quantity as P	N/A							

Solid Waste								
	2021	2022	2023	2024	2025	2026	2027	2028
Refuse	Yes							
Bottle Recycling	-							

Property Information

Property Class	438 Parking lot	Acres	0.47
School District	Riverhead Csd #2	SCTM	28.-1-15
Location	917 Hulse Landing Rd Wading River		

Special District Information

Code	Special District
SC001	Scavenger waste dist
WD339	Water ext 33

Owner Information

Name	Town of Riverhead
Street Address	200 Howell Ave
PO BOX	
Unit Name	
City State Zip	Riverhead NY 11901

Additional Owner Information

Name	

Sales Information

No Sale Data available

Commercial Information

Property Class		Overall Eff Yr Blt	
Used as Cd		Sewer Type	
Utilities		Overall Desire	
Overall Cond		Overall Grade	

Residential Information

Site No:

Bldg Style		Central Air		1st Story	
No. of Stories		Bsmt Type		2nd Story	
Ext Wall Mat		Bsmt Gar Cap		Addl Story	
Actual Yr Built		Overall Cond		1/2 Story	
Eff Yr Built		Exterior Cond		3/4 Story	
Yr Remodeled		Interior Cond		Fin Over Gar	
No. Kitchens		Constr Grade		Fin Attic	
Kitchen Qual.		Grade Adjust		Fin Bsmt	
No. Baths		Pct Good		Unfin 1/2	
Bath Qual		Funct Obs		Unfin 3/4	
No.Bedrooms		No.Rooms		No.Firplace	
Heat Type		Fuel Type		SFLA	

Property Information

Property Class	438 Parking lot	Acres	0.38
School District	Riverhead Csd #2	SCTM	28.-1-16
Location	937 Hulse Landing Rd Wading River		

Special District Information

Code	Special District
WD339	Water ext 33
SC001	Scavenger waste dist

Owner Information

Name	Town of Riverhead
Street Address	200 Howell Ave
PO BOX	
Unit Name	
City State Zip	Riverhead NY 11901

Additional Owner Information

Name	

Sales Information

No Sale Data available

Commercial Information

Property Class		Overall Eff Yr Blt	
Used as Cd		Sewer Type	
Utilities		Overall Desire	
Overall Cond		Overall Grade	

Residential Information

Site No:

Bldg Style		Central Air		1st Story	
No. of Stories		Bsmt Type		2nd Story	
Ext Wall Mat		Bsmt Gar Cap		Addl Story	
Actual Yr Built		Overall Cond		1/2 Story	
Eff Yr Built		Exterior Cond		3/4 Story	
Yr Remodeled		Interior Cond		Fin Over Gar	
No. Kitchens		Constr Grade		Fin Attic	
Kitchen Qual.		Grade Adjust		Fin Bsmt	
No. Baths		Pct Good		Unfin 1/2	
Bath Qual		Funct Obs		Unfin 3/4	
No.Bedrooms		No.Rooms		No.Firplace	
Heat Type		Fuel Type		SFLA	

HULSE LANDING RD
967 Hulse Landing Rd
Wading River NY 11792
Suite/Apt/Comment:
118 Cliff Rd
Wading River NY 11792
Suite/Apt/Comment:
126 Cliff Rd
Wading River NY 11792
Suite/Apt/Comment:
124 Cliff Rd
Wading River NY 11792
Suite/Apt/Comment:
128 Cliff Rd
Wading River NY 11792
Suite/Apt/Comment:
3010-E5 Hulse Landing Rd
Wading River NY 11792
Suite/Apt/Comment:
3010-E7 Hulse Landing Rd
Wading River NY 11792
Suite/Apt/Comment:
3010-E1 Hulse Landing Rd
Wading River NY 11792
Suite/Apt/Comment:
OAK ST
20 Dogwood Rd
Wading River NY 11792
Suite/Apt/Comment:
DOGWOOD RD
12 Dogwood Rd
Wading River NY 11792
Suite/Apt/Comment:
8 Dogwood Rd
Wading River NY 11792
Suite/Apt/Comment:
3010-C6 Hulse Landing Rd
Wading River NY 11792
Suite/Apt/Comment:
3010-C11 Hulse Landing Rd
Wading River NY 11792
Suite/Apt/Comment:
3010-C1 Hulse Landing Rd
Wading River NY 11792
Suite/Apt/Comment:
3010-D2 Hulse Landing Rd
Wading River NY 11792
Suite/Apt/Comment:
3010-C3 Hulse Landing Rd
Wading River NY 11792
Suite/Apt/Comment:
3010-C34 Hulse Landing Rd
Wading River NY 11792
Suite/Apt/Comment:
111 Cedar Rd
Wading River NY 11792
Suite/Apt/Comment:
3010-C12 Hulse Landing Rd
Wading River NY 11792
Suite/Apt/Comment:
3010-C13 Hulse Landing Rd
Wading River NY 11792
Suite/Apt/Comment:
3010-C14 Hulse Landing Rd
Wading River NY 11792
Suite/Apt/Comment:
3010-C36 Hulse Landing Rd
Wading River NY 11792
Suite/Apt/Comment:
3010-C15 Hulse Landing Rd
Wading River NY 11792
Suite/Apt/Comment:
3010-C16 Hulse Landing Rd
Wading River NY 11792
Suite/Apt/Comment:
3010-C22 Hulse Landing Rd
Wading River NY 11792
Suite/Apt/Comment:
3010-A2 Hulse Landing Rd
3010-B14 Hulse Landing Rd

Town of Riverhead
Osborn Avenue Municipal Lot
519 Osborn Avenue Riverhead, NY 11901

SCTM Number:	0600-126.-1-2.3

Property Size:	0.35	Acres
Building Size:	N/A	Square Feet
Parking Lot Size:	12,342	Square Feet
Parking Lot Material:	Millings	
Parking Lot Condition:	Poor	
Winter Road Maintenance:	No	

Local Water Body Present?	No
Waterbody Name/Type:	N/A
Distance to Property Line:	N/A

	2021	2022	2023	2024	2025	2026	2027	2028
Condition	Poor							
Swept Dates	N/A							
Quantity Removed (CY)	N/A							

Site Features			
	Yes	No	Notes
Playgrounds		X	
Ball Fields		X	
Docking Area		X	
Boater Pumpout		X	
Restroom Buildings		X	
Sanitary System		X	
Sanitary System Type	N/A		

Fertilizer and Pesiticide Usage								
Year Placed	2021	2022	2023	2024	2025	2026	2027	2028
Product Used	N/A							
Total Product Used	N/A							
Quantity as N	N/A							
Quantity as P	N/A							

Solid Waste								
	2021	2022	2023	2024	2025	2026	2027	2028
Refuse	No							
Bottle Recycling	No							

Property Information

Property Class	653 Govt pk lot	Acres	0.30
School District	Riverhead Csd #2	SCTM	126.-1-2.3
Location	519 Osborn Ave Riverhead		

Special District Information

Code	Special District
WD301	Riverhead water
AM001	Rvrhd ambulance dist
FD302	Rvrhd fire zone 1
LT301	Light district
SE301	Rhd full sewer cap

Owner Information

Name	Town of Riverhead
Street Address	200 Howell Ave
PO BOX	
Unit Name	
City State Zip	Riverhead NY 11901

Additional Owner Information

Name	

Sales Information

Sale Date	Deed Date	Deed Book	Deed Page	Sale Price	Sale Primary Owner
03/10/2009	03/10/2009	77777	21	$1.00	Town of Riverhead
02/13/2009	02/13/2009	85451	855	$1.00	Town of Riverhead
04/22/2005	04/22/2005	99999	5	$1.00	Town of Riverhead
12/09/1991	12/13/1991	11385	390	$25,000.00	Veoukas, Christopher

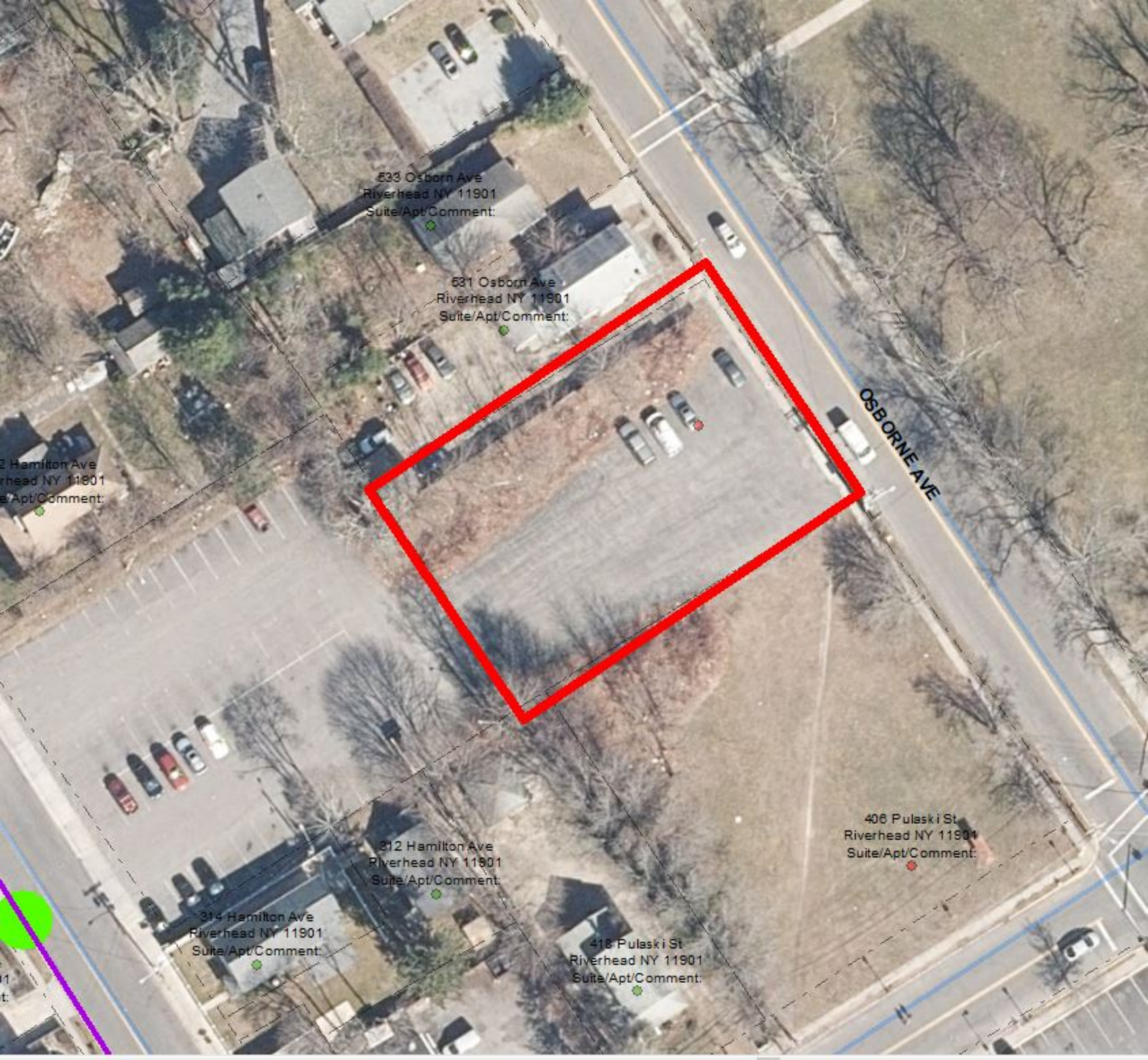
Commercial Information

Property Class		Overall Eff Yr Blt	
Used as Cd		Sewer Type	
Utilities		Overall Desire	
Overall Cond		Overall Grade	

Residential Information

Site No:

Bldg Style		Central Air		1st Story	
No. of Stories		Bsmt Type		2nd Story	
Ext Wall Mat		Bsmt Gar Cap		Addl Story	
Actual Yr Built		Overall Cond		1/2 Story	
Eff Yr Built		Exterior Cond		3/4 Story	
Yr Remodeled		Interior Cond		Fin Over Gar	
No. Kitchens		Constr Grade		Fin Attic	
Kitchen Qual.		Grade Adjust		Fin Bsmt	
No. Baths		Pct Good		Unfin 1/2	
Bath Qual		Funct Obs		Unfin 3/4	
No.Bedrooms		No.Rooms		No.Firplace	
Heat Type		Fuel Type		SFLA	


533 Osborn Ave
Riverhead NY 11901
Suite/Apt/Comment:
531 Osborn Ave
Riverhead NY 11901
Suite/Apt/Comment:
OSBORNE AVE
406 Pulaski St
Riverhead NY 11901
Suite/Apt/Comment:
212 Hamilton Ave
Riverhead NY 11901
Suite/Apt/Comment:
314 Hamilton Ave
Riverhead NY 11901
Suite/Apt/Comment:
418 Pulaski St
Riverhead NY 11901
Suite/Apt/Comment:

Town of Riverhead
Peconic Riverfront Municipal Lot
64 Peconic Avenue, 1 McDermott Avenue, and 321 East Main Street Riverhead, NY 11901

SCTM Number:	0600-128.-6-86.1, 0600-129.-1-23, and 0600-129.-4-14

Property Size:	7.0	Acres
Building Size:	N/A	Square Feet
Parking Lot Size:	248,687	Square Feet
Parking Lot Material:	Asphalt	
Parking Lot Condition:	Good	
Winter Road Maintenance:	Yes	

Local Water Body Present?	Yes
Waterbody Name/Type:	Peconic River
Distance to Property Line:	Adjacent

	2021	2022	2023	2024	2025	2026	2027	2028
Condition	Good							
Swept Dates	-							
Quantity Removed (CY)	-							

Site Features			
	Yes	No	Notes
Playgrounds		X	
Ball Fields		X	
Docking Area	X		
Boater Pumpout	X		Cleaned by Sewer Dept. on regular basis
Restroom Buildings	X		Comfort Station
Sanitary System	X		
Sanitary System Type	Sewer District		

Fertilizer and Pesiticide Usage								
Year Placed	2021	2022	2023	2024	2025	2026	2027	2028
Product Used	N/A							
Total Product Used	N/A							
Quantity as N	N/A							
Quantity as P	N/A							

Solid Waste								
	2021	2022	2023	2024	2025	2026	2027	2028
Refuse	Yes							
Bottle Recycling	No							

Property Information

Property Class	438 Parking lot	Acres	4.16
School District	Riverhead Csd #2	SCTM	128.-6-86.1
Location	Peconic Ave Riverhead		

Special District Information

Code	Special District
FD302	Rvrhd fire zone 1
HD901	Rhd Hist District
WD301	Riverhead water
PK301	Parking
AM001	Rvrhd ambulance dist
EZ001	Empire Zone
BD001	Bus imprvment dist1
SE301	Rhd full sewer cap
LT301	Light district

Owner Information

Name	Town Of Riverhead
Street Address	200 Howell Ave
PO BOX	
Unit Name	
City State Zip	Riverhead NY 11901

Additional Owner Information

Name	

Sales Information

No Sale Data available

Commercial Information

Property Class		Overall Eff Yr Blt	
Used as Cd		Sewer Type	
Utilities		Overall Desire	
Overall Cond		Overall Grade	

Residential Information

Site No:

Bldg Style		Central Air		1st Story	
No. of Stories		Bsmt Type		2nd Story	
Ext Wall Mat		Bsmt Gar Cap		Addl Story	
Actual Yr Built		Overall Cond		1/2 Story	
Eff Yr Built		Exterior Cond		3/4 Story	
Yr Remodeled		Interior Cond		Fin Over Gar	
No. Kitchens		Constr Grade		Fin Attic	
Kitchen Qual.		Grade Adjust		Fin Bsmt	
No. Baths		Pct Good		Unfin 1/2	
Bath Qual		Funct Obs		Unfin 3/4	
No.Bedrooms		No.Rooms		No.Firplace	
Heat Type		Fuel Type		SFLA	

Property Information

Property Class	438 Parking lot	Acres	1.40
School District	Riverhead Csd #2	SCTM	129.-1-23
Location	McDermott Ave Riverhead		

Special District Information

Code	Special District
SE301	Rhd full sewer cap
HD901	Rhd Hist District
BD001	Bus imprvment dist1
WD301	Riverhead water
FD302	Rvrhd fire zone 1
LT301	Light district
AM001	Rvrhd ambulance dist

Owner Information

Name	Town Of Riverhead
Street Address	200 Howell Ave
PO BOX	
Unit Name	
City State Zip	Riverhead NY 11901

Additional Owner Information

Name	

Sales Information

No Sale Data available

Commercial Information

Property Class		Overall Eff Yr Blt	
Used as Cd		Sewer Type	
Utilities		Overall Desire	
Overall Cond		Overall Grade	

Residential Information

Site No:

Bldg Style		Central Air		1st Story	
No. of Stories		Bsmt Type		2nd Story	
Ext Wall Mat		Bsmt Gar Cap		Addl Story	
Actual Yr Built		Overall Cond		1/2 Story	
Eff Yr Built		Exterior Cond		3/4 Story	
Yr Remodeled		Interior Cond		Fin Over Gar	
No. Kitchens		Constr Grade		Fin Attic	
Kitchen Qual.		Grade Adjust		Fin Bsmt	
No. Baths		Pct Good		Unfin 1/2	
Bath Qual		Funct Obs		Unfin 3/4	
No.Bedrooms		No.Rooms		No.Firplace	
Heat Type		Fuel Type		SFLA	

Property Information

Property Class	438 Parking lot	Acres	0.20
School District	Riverhead Csd #2	SCTM	129.-4-14
Location	321 E Main St Riverhead		

Special District Information

Code	Special District
WD301	Riverhead water
AM001	Rvrhd ambulance dist
SE301	Rhd full sewer cap
BD001	Bus imprvment dist1
FD302	Rvrhd fire zone 1
LT301	Light district
HD901	Rhd Hist District

Owner Information

Name	Town of Riverhead
Street Address	200 Howell Ave
PO BOX	
Unit Name	
City State Zip	Riverhead NY 11901

Additional Owner Information

Name	

Sales Information

No Sale Data available

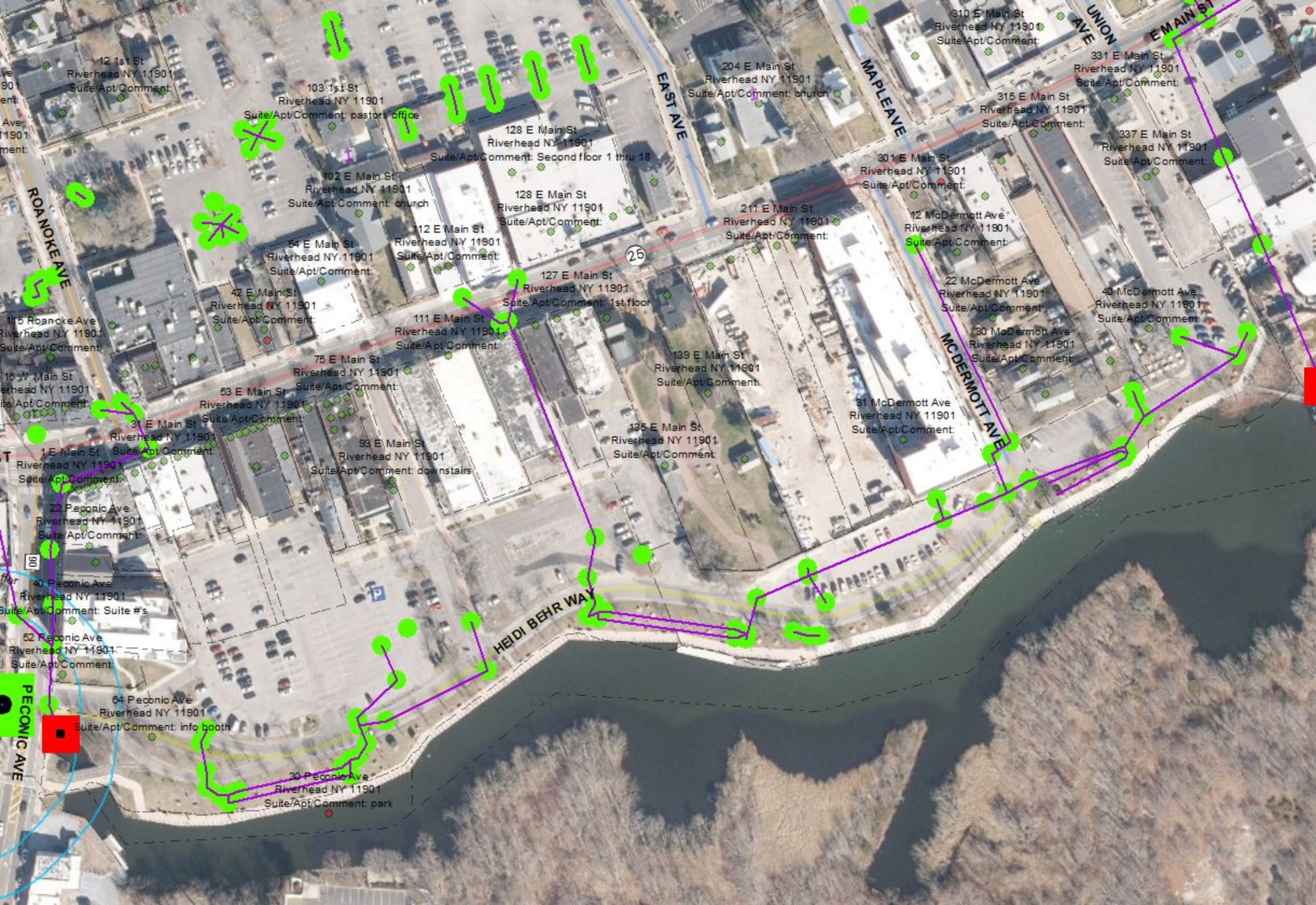
Commercial Information

Property Class		Overall Eff Yr Blt	
Used as Cd		Sewer Type	
Utilities		Overall Desire	
Overall Cond		Overall Grade	

Residential Information

Site No:

Bldg Style		Central Air		1st Story	
No. of Stories		Bsmt Type		2nd Story	
Ext Wall Mat		Bsmt Gar Cap		Addl Story	
Actual Yr Built		Overall Cond		1/2 Story	
Eff Yr Built		Exterior Cond		3/4 Story	
Yr Remodeled		Interior Cond		Fin Over Gar	
No. Kitchens		Constr Grade		Fin Attic	
Kitchen Qual.		Grade Adjust		Fin Bsmt	
No. Baths		Pct Good		Unfin 1/2	
Bath Qual		Funct Obs		Unfin 3/4	
No.Bedrooms		No.Rooms		No.Firplace	
Heat Type		Fuel Type		SFLA	


12 1st St
Riverhead NY 11901
Suite/Apt/Comment:
103 1st St
Riverhead NY 11901
Suite/Apt/Comment: pastors office
102 E Main St
Riverhead NY 11901
Suite/Apt/Comment: church
128 E Main St
Riverhead NY 11901
Suite/Apt/Comment: Second floor 1 thru 18
128 E Main St
Riverhead NY 11901
Suite/Apt/Comment:
112 E Main St
Riverhead NY 11901
Suite/Apt/Comment:
54 E Main St
Riverhead NY 11901
Suite/Apt/Comment:
42 E Main St
Riverhead NY 11901
Suite/Apt/Comment:
111 E Main St
Riverhead NY 11901
Suite/Apt/Comment:
127 E Main St
Riverhead NY 11901
Suite/Apt/Comment: 1st floor
211 E Main St
Riverhead NY 11901
Suite/Apt/Comment:
204 E Main St
Riverhead NY 11901
Suite/Apt/Comment: church
310 E Main St
Riverhead NY 11901
Suite/Apt/Comment:
331 E Main St
Riverhead NY 11901
Suite/Apt/Comment:
315 E Main St
Riverhead NY 11901
Suite/Apt/Comment:
337 E Main St
Riverhead NY 11901
Suite/Apt/Comment:
301 E Main St
Riverhead NY 11901
Suite/Apt/Comment:
12 McDermott Ave
Riverhead NY 11901
Suite/Apt/Comment:
22 McDermott Ave
Riverhead NY 11901
Suite/Apt/Comment:
30 McDermott Ave
Riverhead NY 11901
Suite/Apt/Comment:
40 McDermott Ave
Riverhead NY 11901
Suite/Apt/Comment:
31 McDermott Ave
Riverhead NY 11901
Suite/Apt/Comment:
139 E Main St
Riverhead NY 11901
Suite/Apt/Comment:
135 E Main St
Riverhead NY 11901
Suite/Apt/Comment:
75 E Main St
Riverhead NY 11901
Suite/Apt/Comment:
63 E Main St
Riverhead NY 11901
Suite/Apt/Comment:
31 E Main St
Riverhead NY 11901
Suite/Apt/Comment:
93 E Main St
Riverhead NY 11901
Suite/Apt/Comment: downstairs
1 E Main St
Riverhead NY 11901
Suite/Apt/Comment:
115 Roanoke Ave
Riverhead NY 11901
Suite/Apt/Comment:
16 W Main St
Riverhead NY 11901
Suite/Apt/Comment:
22 Peconic Ave
Riverhead NY 11901
Suite/Apt/Comment:
40 Peconic Ave
Riverhead NY 11901
Suite/Apt/Comment: Suite #'s
52 Peconic Ave
Riverhead NY 11901
Suite/Apt/Comment:
64 Peconic Ave
Riverhead NY 11901
Suite/Apt/Comment: info booth
30 Peconic Ave
Riverhead NY 11901
Suite/Apt/Comment: park
ROANOKE AVE
EAST AVE
MAPLE AVE
UNION AVE
E MAIN ST
MCDERMOTT AVE
HEIDI BEHR WAY
PECONIC AVE
25
P

Town of Riverhead
Tuthill Parking Lot
414 East Main Street Riverhead, NY 11901

SCTM Number:	0600-129.-3-11

Property Size:	0.46	Acres
Building Size:	N/A	Square Feet
Parking Lot Size:	20,038	Square Feet
Parking Lot Material:	Asphalt	
Parking Lot Condition:	Good	
Winter Road Maintenance:	Yes	

Local Water Body Present?	Yes
Waterbody Name/Type:	Peconic River
Distance to Property Line:	510' to the South

	2021	2022	2023	2024	2025	2026	2027	2028
Condition	Good							
Swept Dates	-							
Quantity Removed (CY)	-							

Site Features			
	Yes	No	Notes
Playgrounds		X	
Ball Fields		X	
Docking Area		X	
Boater Pumpout		X	
Restroom Buildings		X	
Sanitary System		X	
Sanitary System Type	N/A		

Fertilizer and Pesiticide Usage								
Year Placed	2021	2022	2023	2024	2025	2026	2027	2028
Product Used	N/A							
Total Product Used	N/A							
Quantity as N	N/A							
Quantity as P	N/A							

Solid Waste								
	2021	2022	2023	2024	2025	2026	2027	2028
Refuse	No							
Bottle Recycling	No							

Property Information

Property Class	330 Vacant comm	Acres	0.48
School District	Riverhead Csd #2	SCTM	129.-3-11
Location	414 E Main St Riverhead		

Special District Information

Code	Special District
SE301	Rhd full sewer cap
LT301	Light district
BD001	Bus imprvment dist1
FD302	Rvrhd fire zone 1
WD301	Riverhead water
AM001	Rvrhd ambulance dist
PK301	Parking
HD901	Rhd Hist District

Owner Information

Name	Town Of Riverhead
Street Address	200 Howell Ave
PO BOX	
Unit Name	
City State Zip	Riverhead NY 11901

Additional Owner Information

Name	

Sales Information

No Sale Data available

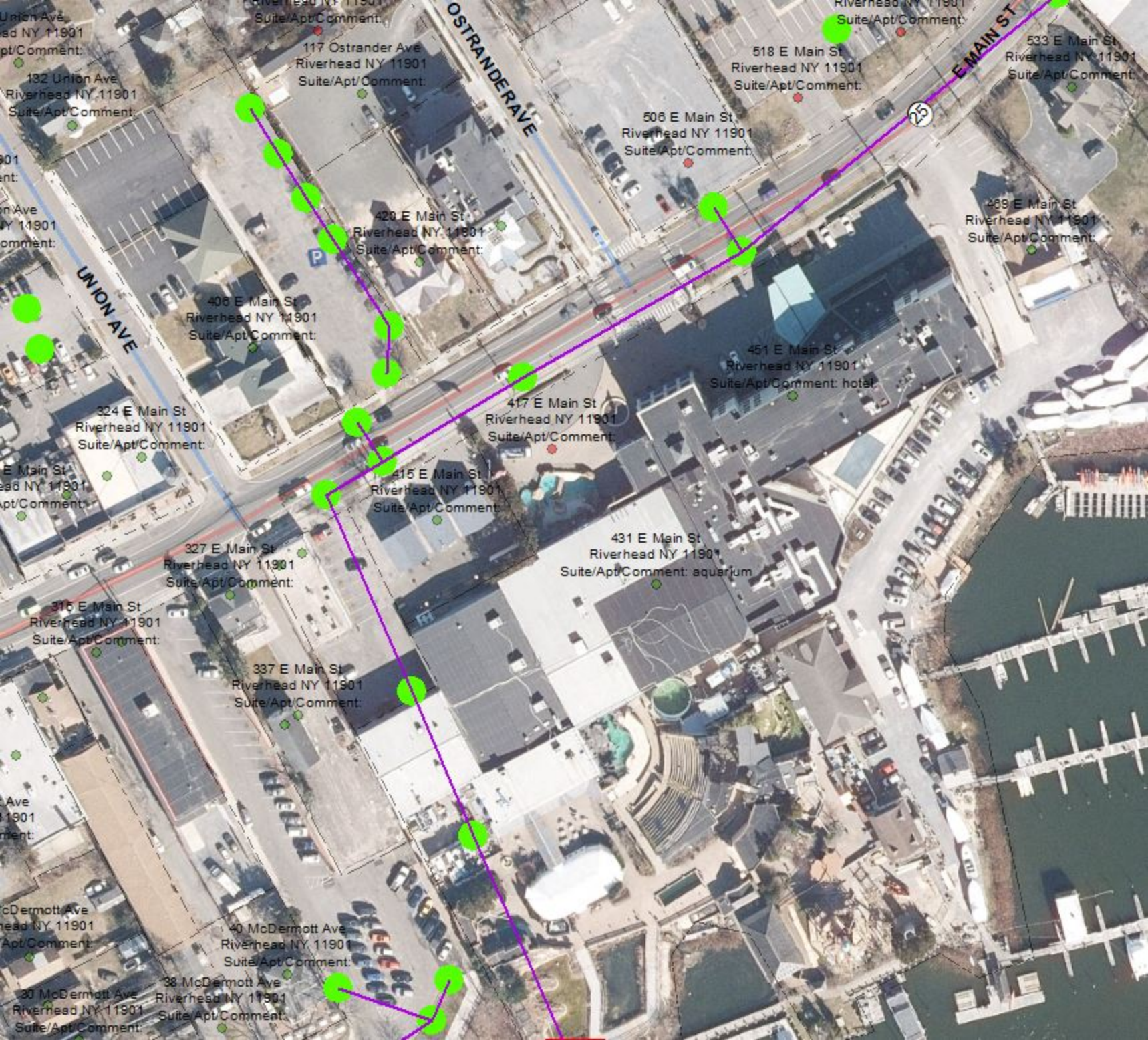
Commercial Information

Property Class		Overall Eff Yr Blt	
Used as Cd		Sewer Type	
Utilities		Overall Desire	
Overall Cond		Overall Grade	

Residential Information

Site No:

Bldg Style		Central Air		1st Story	
No. of Stories		Bsmt Type		2nd Story	
Ext Wall Mat		Bsmt Gar Cap		Addl Story	
Actual Yr Built		Overall Cond		1/2 Story	
Eff Yr Built		Exterior Cond		3/4 Story	
Yr Remodeled		Interior Cond		Fin Over Gar	
No. Kitchens		Constr Grade		Fin Attic	
Kitchen Qual.		Grade Adjust		Fin Bsmt	
No. Baths		Pct Good		Unfin 1/2	
Bath Qual		Funct Obs		Unfin 3/4	
No.Bedrooms		No.Rooms		No.Firplace	
Heat Type		Fuel Type		SFLA	


OSTRANDER AVE
E MAIN ST
UNION AVE
25
117 Ostrander Ave
Riverhead NY 11901
Suite/Apt/Comment:
518 E Main St
Riverhead NY 11901
Suite/Apt/Comment:
533 E Main St
Riverhead NY 11901
Suite/Apt/Comment:
506 E Main St
Riverhead NY 11901
Suite/Apt/Comment:
489 E Main St
Riverhead NY 11901
Suite/Apt/Comment:
420 E Main St
Riverhead NY 11901
Suite/Apt/Comment:
406 E Main St
Riverhead NY 11901
Suite/Apt/Comment:
451 E Main St
Riverhead NY 11901
Suite/Apt/Comment: hotel
417 E Main St
Riverhead NY 11901
Suite/Apt/Comment:
415 E Main St
Riverhead NY 11901
Suite/Apt/Comment:
324 E Main St
Riverhead NY 11901
Suite/Apt/Comment:
431 E Main St
Riverhead NY 11901
Suite/Apt/Comment: aquarium
327 E Main St
Riverhead NY 11901
Suite/Apt/Comment:
316 E Main St
Riverhead NY 11901
Suite/Apt/Comment:
337 E Main St
Riverhead NY 11901
Suite/Apt/Comment:
40 McDermott Ave
Riverhead NY 11901
Suite/Apt/Comment:
38 McDermott Ave
Riverhead NY 11901
Suite/Apt/Comment:
30 McDermott Ave
Riverhead NY 11901
Suite/Apt/Comment:
132 Union Ave
Riverhead NY 11901
Suite/Apt/Comment:

Recreational Parks

Town of Riverhead
Bayberry Park
21 Bayberry Road Wading River, NY 11792

SCTM Number:	0600-57.-1-15

Property Size:	7.15	Acres
Building Size:	550	Square Feet
Parking Lot Size:	29,110	Square Feet
Parking Lot Material:	Asphalt	
Parking Lot Condition:	Poor	
Winter Road Maintenance:	Yes	

Local Water Body Present?	Yes
Waterbody Name/Type:	TOR Frsh Wetland ID: 3301
Distance to Property Line:	115' to the South

	2021	2022	2023	2024	2025	2026	2027	2028
Condition	Poor							
Swept Dates	-							
Quantity Removed (CY)	-							

Site Features			
	Yes	No	Notes
Playgrounds	X		
Ball Fields	X		Basketball, Tennis, Pickleball, and Handball Courts
Docking Area		X	
Boater Pumpout		X	
Restroom Buildings	X		
Sanitary System	X		
Sanitary System Type	Septic System		

Fertilizer and Pesiticide Usage								
Year Placed	2021	2022	2023	2024	2025	2026	2027	2028
Product Used	Fertilizer							
Total Product Used	60lbs							
Quantity as N	-							
Quantity as P	-							

Solid Waste								
	2021	2022	2023	2024	2025	2026	2027	2028
Refuse	Yes							
Bottle Recycling	No							

Property Information

Property Class	960 Public park	Acres	7.00
School District	Riverhead Csd #2	SCTM	57.-1-15
Location	Bayberry Rd Wading River		

Special District Information

Code	Special District
WD347	Water ext 35
SC001	Scavenger waste dist

Owner Information

Name	Town of Riverhead
Street Address	200 Howell Ave
PO BOX	
Unit Name	
City State Zip	Riverhead NY 11901

Additional Owner Information

Name	

Sales Information

No Sale Data available

Commercial Information

Property Class	960 Public park	Overall Eff Yr Blt	0
Used as Cd		Sewer Type	
Utilities	Electric	Overall Desire	
Overall Cond		Overall Grade	

Residential Information

Site No:

Bldg Style		Central Air		1st Story	
No. of Stories		Bsmt Type		2nd Story	
Ext Wall Mat		Bsmt Gar Cap		Addl Story	
Actual Yr Built		Overall Cond		1/2 Story	
Eff Yr Built		Exterior Cond		3/4 Story	
Yr Remodeled		Interior Cond		Fin Over Gar	
No. Kitchens		Constr Grade		Fin Attic	
Kitchen Qual.		Grade Adjust		Fin Bsmt	
No. Baths		Pct Good		Unfin 1/2	
Bath Qual		Funct Obs		Unfin 3/4	
No.Bedrooms		No.Rooms		No.Firplace	
Heat Type		Fuel Type		SFLA	

45 Bayberry Rd
Wading River NY 11792
Suite/Apt/Comment:
29 Bayberry Rd
Wading River NY 11792
Suite/Apt/Comment:
21 Bayberry Rd
Wading River NY 11792
Suite/Apt/Comment:
11 Bayberry Rd
Wading River NY 11792
Suite/Apt/Comment:
9 Bayberry Rd
Wading River NY 11792
Suite/Apt/Comment:
BAYBERRY RD
150' Buffer
100' Buffer
3301

Town of Riverhead
George Schmelzer Pocket Park
609 West Main Street Riverhead, NY 11901

SCTM Number:	0600-124.-4-31

Property Size:	0.06	Acres
Building Size:	N/A	Square Feet
Parking Lot Size:	300	Square Feet
Parking Lot Material:	Dirt	
Parking Lot Condition:	Poor	
Winter Road Maintenance:	No	

Local Water Body Present?	Yes
Waterbody Name/Type:	Peconic River
Distance to Property Line:	60' to the South

	2021	2022	2023	2024	2025	2026	2027	2028
Condition	Poor							
Swept Dates	N/A							
Quantity Removed (CY)	N/A							

Site Features			
	Yes	No	Notes
Playgrounds		X	Picnic Area
Ball Fields		X	
Docking Area		X	
Boater Pumpout		X	
Restroom Buildings		X	
Sanitary System		X	
Sanitary System Type	N/A		

Fertilizer and Pesiticide Usage								
Year Placed	2021	2022	2023	2024	2025	2026	2027	2028
Product Used	N/A							
Total Product Used	N/A							
Quantity as N	N/A							
Quantity as P	N/A							

Solid Waste								
	2021	2022	2023	2024	2025	2026	2027	2028
Refuse	No							
Bottle Recycling	No							

Property Information

Property Class	590 Park	Acres	0.05
School District	Riverhead Csd #2	SCTM	124.-4-31
Location	609 W Main St Riverhead		

Special District Information

Code	Special District
AM001	Rvrhd ambulance dist
SE301	Rhd full sewer cap
FD302	Rvrhd fire zone 1
LT301	Light district
WD301	Riverhead water

Owner Information

Name	Town Of Riverhead
Street Address	200 Howell Ave
PO BOX	
Unit Name	
City State Zip	Riverhead NY 11901

Additional Owner Information

Name	

Sales Information

Sale Date	Deed Date	Deed Book	Deed Page	Sale Price	Sale Primary Owner
04/29/2003	05/06/2003	12249	667	$40,000.00	Town, Of Riverhead

Commercial Information

Property Class		Overall Eff Yr Blt	
Used as Cd		Sewer Type	
Utilities		Overall Desire	
Overall Cond		Overall Grade	

Residential Information

Site No:1

Bldg Style		Central Air		1st Story	
No. of Stories		Bsmt Type		2nd Story	
Ext Wall Mat		Bsmt Gar Cap		Addl Story	
Actual Yr Built		Overall Cond		1/2 Story	
Eff Yr Built		Exterior Cond		3/4 Story	
Yr Remodeled		Interior Cond		Fin Over Gar	
No. Kitchens		Constr Grade		Fin Attic	
Kitchen Qual.		Grade Adjust		Fin Bsmt	
No. Baths		Pct Good		Unfin 1/2	
Bath Qual		Funct Obs		Unfin 3/4	
No.Bedrooms		No.Rooms		No.Firplace	
Heat Type		Fuel Type		SFLA	

MARCY AVE
150' Buffer
W MAIN ST
25
100' Buffer
609 W Main St
Riverhead NY 11901
Suite/Apt/Comment:
605 W Main St
Riverhead NY 11901
Suite/Apt/Comment:
601 W Main St
Riverhead NY 11901
Suite/Apt/Comment:
619 W Main St
Riverhead NY 11901
Suite/Apt/Comment:
1501

Town of Riverhead
Grumman Airplane Memorial
4715 Route 25 Calverton, NY 11933

SCTM Number:	0600-135.-1-p/o7.33

Property Size:	1.59	Acres
Building Size:	N/A	Square Feet
Parking Lot Size:	9,064	Square Feet
Parking Lot Material:	Asphalt	
Parking Lot Condition:	Fair	
Winter Road Maintenance:	Yes	

Local Water Body Present?	Yes
Waterbody Name/Type:	Frsh Wetland NYSDEC ID 2011
Distance to Property Line:	Adjacent

	2021	2022	2023	2024	2025	2026	2027	2028
Condition	Fair							
Swept Dates	Dec. - Feb.							
Quantity Removed (CY)	-							

Site Features			
	Yes	No	Notes
Playgrounds		X	
Ball Fields		X	
Docking Area		X	
Boater Pumpout		X	
Restroom Buildings		X	
Sanitary System		X	
Sanitary System Type	N/A		

Fertilizer and Pesiticide Usage								
Year Placed	2021	2022	2023	2024	2025	2026	2027	2028
Product Used	Fertilizer							
Total Product Used	15 lbs							
Quantity as N	-							
Quantity as P	-							

Solid Waste								
	2021	2022	2023	2024	2025	2026	2027	2028
Refuse	Yes							
Bottle Recycling	No							

Property Information

Property Class	700 Industrial	Acres	1980.10
School District	Riverhead Csd #2	SCTM	135.-1-7.33
Location	4725 Middle Country Rd Calverton		

Special District Information

Code	Special District
FD302	Rvrhd fire zone 1
FD305	Manorville fire
LT301	Light district
FD301	Wading river fire
AM001	Rvrhd ambulance dist
SC001	Scavenger waste dist

Owner Information

Name	Community Dev Agency
Street Address	200 Howell Ave
PO BOX	
Unit Name	
City State Zip	Riverhead NY 11901

Additional Owner Information

Name	

Sales Information

No Sale Data available

Commercial Information

Property Class		Overall Eff Yr Blt	
Used as Cd		Sewer Type	
Utilities		Overall Desire	
Overall Cond		Overall Grade	

Residential Information

Site No:

Bldg Style		Central Air		1st Story	
No. of Stories		Bsmt Type		2nd Story	
Ext Wall Mat		Bsmt Gar Cap		Addl Story	
Actual Yr Built		Overall Cond		1/2 Story	
Eff Yr Built		Exterior Cond		3/4 Story	
Yr Remodeled		Interior Cond		Fin Over Gar	
No. Kitchens		Constr Grade		Fin Attic	
Kitchen Qual.		Grade Adjust		Fin Bsmt	
No. Baths		Pct Good		Unfin 1/2	
Bath Qual		Funct Obs		Unfin 3/4	
No.Bedrooms		No.Rooms		No.Firplace	
Heat Type		Fuel Type		SFLA	

MIDDLE COUNTRY RD
25
50' Buffer
50' Buffer
4715 Rte 25
Calverton NY 11933
Suite/Apt/Comment: Grumman Memoria
GRUMMAN
2011

Town of Riverhead
Horton Avenue Park
1390 Horton Avenue Riverhead, NY 11901

SCTM Number:	0600-81.-2-54.3

Property Size:	4.06	Acres
Building Size:	N/A	Square Feet
Parking Lot Size:	N/A	Square Feet
Parking Lot Material:	N/A	
Parking Lot Condition:	N/A	
Winter Road Maintenance:	No	

Local Water Body Present?	Yes
Waterbody Name/Type:	TOR Recharge Basin, Surface
Distance to Property Line:	Adjacent

	2021	2022	2023	2024	2025	2026	2027	2028
Condition	N/A							
Swept Dates	N/A							
Quantity Removed (CY)	N/A							

Site Features			
	Yes	No	Notes
Playgrounds	X		Basketball Courts, Picnic Area
Ball Fields		X	
Docking Area		X	
Boater Pumpout		X	
Restroom Buildings		X	
Sanitary System		X	
Sanitary System Type	N/A		

Fertilizer and Pesiticide Usage								
Year Placed	2021	2022	2023	2024	2025	2026	2027	2028
Product Used	Fertilizer							
Total Product Used	60 lbs							
Quantity as N	-							
Quantity as P	-							

Solid Waste								
	2021	2022	2023	2024	2025	2026	2027	2028
Refuse	Yes							
Bottle Recycling	Yes							

Property Information

Property Class	963 Municpl park	Acres	4.14
School District	Riverhead Csd #2	SCTM	81.-2-54.3
Location	1390 Osborn Ave Riverhead		

Special District Information

Code	Special District
LT301	Light district
SC001	Scavenger waste dist
AM001	Rvrhd ambulance dist
FD301	Wading river fire

Owner Information

Name	Town Of Riverhead
Street Address	200 Howell Ave
PO BOX	
Unit Name	
City State Zip	Riverhead NY 11901

Additional Owner Information

Name	

Sales Information

No Sale Data available

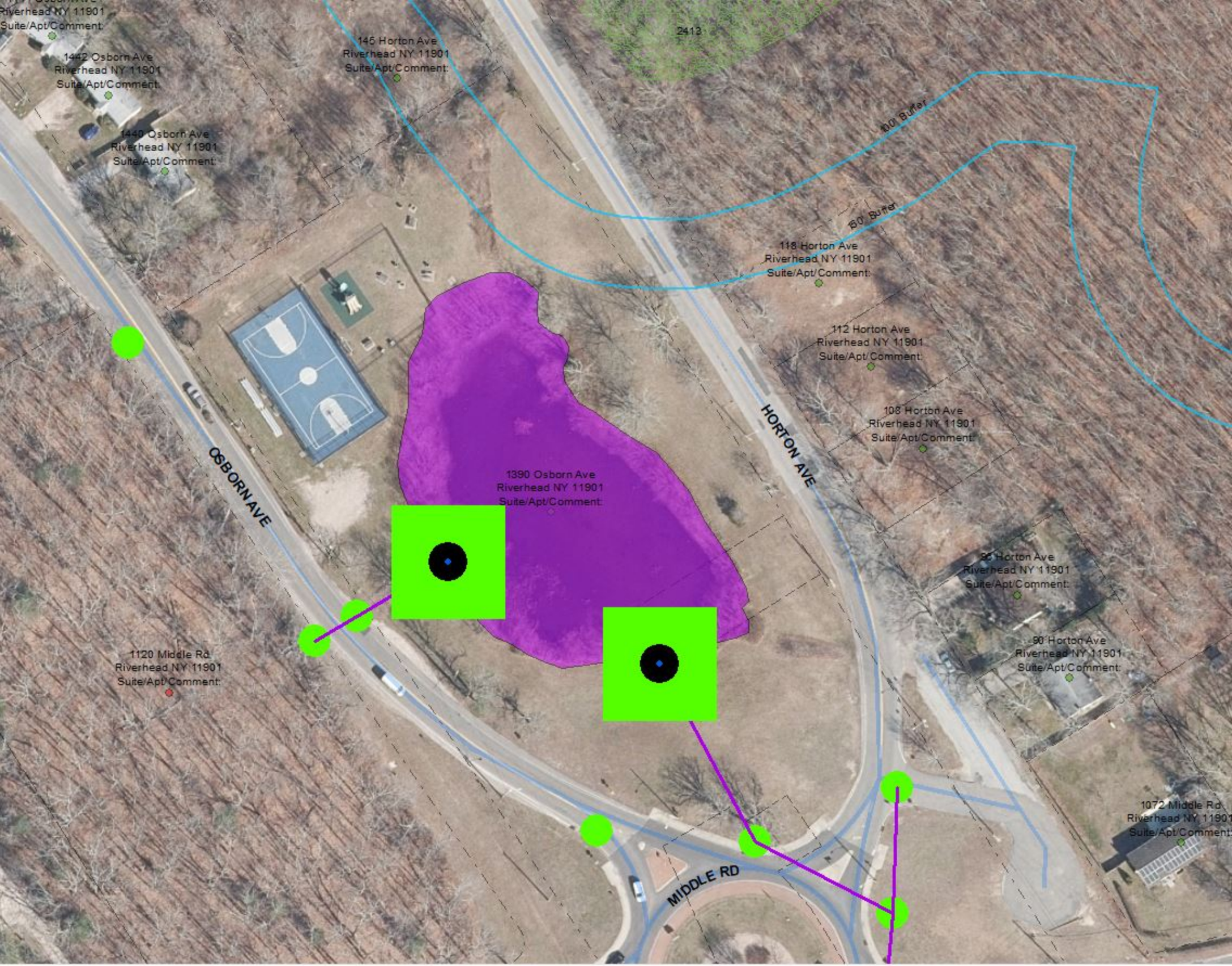
Commercial Information

Property Class		Overall Eff Yr Blt	
Used as Cd		Sewer Type	
Utilities		Overall Desire	
Overall Cond		Overall Grade	

Residential Information

Site No:

Bldg Style		Central Air		1st Story	
No. of Stories		Bsmt Type		2nd Story	
Ext Wall Mat		Bsmt Gar Cap		Addl Story	
Actual Yr Built		Overall Cond		1/2 Story	
Eff Yr Built		Exterior Cond		3/4 Story	
Yr Remodeled		Interior Cond		Fin Over Gar	
No. Kitchens		Constr Grade		Fin Attic	
Kitchen Qual.		Grade Adjust		Fin Bsmt	
No. Baths		Pct Good		Unfin 1/2	
Bath Qual		Funct Obs		Unfin 3/4	
No.Bedrooms		No.Rooms		No.Firplace	
Heat Type		Fuel Type		SFLA	


1442 Osborn Ave
Riverhead NY 11901
Suite/Apt/Comment:
1440 Osborn Ave
Riverhead NY 11901
Suite/Apt/Comment:
145 Horton Ave
Riverhead NY 11901
Suite/Apt/Comment:
2413
100' Buffer
150' Buffer
118 Horton Ave
Riverhead NY 11901
Suite/Apt/Comment:
112 Horton Ave
Riverhead NY 11901
Suite/Apt/Comment:
108 Horton Ave
Riverhead NY 11901
Suite/Apt/Comment:
OSBORN AVE
HORTON AVE
1390 Osborn Ave
Riverhead NY 11901
Suite/Apt/Comment:
1120 Middle Rd
Riverhead NY 11901
Suite/Apt/Comment:
90 Horton Ave
Riverhead NY 11901
Suite/Apt/Comment:
MIDDLE RD
1072 Middle Rd
Riverhead NY 11901
Suite/Apt/Comment:

Town of Riverhead
Lombardi Park
12 First Street Riverhead, NY 11901

SCTM Number:	Located on S-W corner of 0600-128.-6-66.4

Property Size:	0.20	Acres
Building Size:	N/A	Square Feet
Parking Lot Size:	See 1st Street Lot	Square Feet
Parking Lot Material:	Asphalt	
Parking Lot Condition:	Good	
Winter Road Maintenance:	Yes	

Local Water Body Present?	Yes
Waterbody Name/Type:	Peconic River
Distance to Property Line:	564' to the South

	2021	2022	2023	2024	2025	2026	2027	2028
Condition	Good							
Swept Dates	-							
Quantity Removed (CY)	-							

Site Features			
	Yes	No	Notes
Playgrounds		X	
Ball Fields		X	
Docking Area		X	
Boater Pumpout		X	
Restroom Buildings		X	
Sanitary System		X	
Sanitary System Type	N/A		

Fertilizer and Pesiticide Usage								
Year Placed	2021	2022	2023	2024	2025	2026	2027	2028
Product Used	Fertilizer							
Total Product Used	10 lbs							
Quantity as N	-							
Quantity as P	-							

Solid Waste								
	2021	2022	2023	2024	2025	2026	2027	2028
Refuse	Yes							
Bottle Recycling	No							

Property Information

Property Class	438 Parking lot	Acres	4.12
School District	Riverhead Csd #2	SCTM	128.-6-66.4
Location	Roanoke Ave Riverhead		

Special District Information

Code	Special District
FD302	Rvrhd fire zone 1
LT301	Light district
BD001	Bus imprvment dist1
SE301	Rhd full sewer cap
HD901	Rhd Hist District
AM001	Rvrhd ambulance dist
EZ001	Empire Zone
WD301	Riverhead water

Owner Information

Name	Riverhead Publ Pkng Dist #1
Street Address	200 Howell Ave
PO BOX	
Unit Name	
City State Zip	Riverhead NY 11901

Additional Owner Information

Name	

Sales Information

No Sale Data available

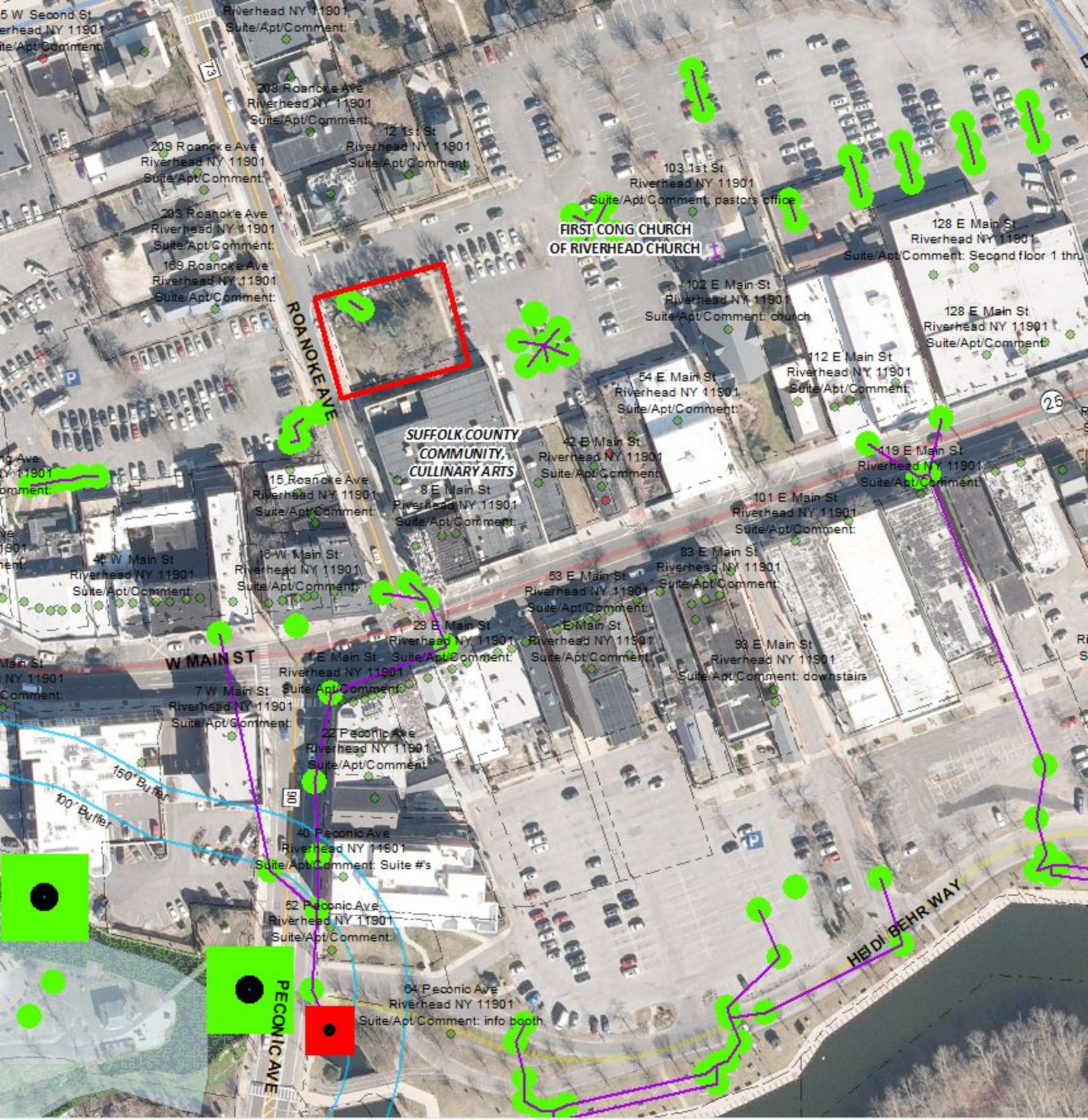
Commercial Information

Property Class		Overall Eff Yr Blt	
Used as Cd		Sewer Type	
Utilities		Overall Desire	
Overall Cond		Overall Grade	

Residential Information

Site No:

Bldg Style		Central Air		1st Story	
No. of Stories		Bsmt Type		2nd Story	
Ext Wall Mat		Bsmt Gar Cap		Addl Story	
Actual Yr Built		Overall Cond		1/2 Story	
Eff Yr Built		Exterior Cond		3/4 Story	
Yr Remodeled		Interior Cond		Fin Over Gar	
No. Kitchens		Constr Grade		Fin Attic	
Kitchen Qual.		Grade Adjust		Fin Bsmt	
No. Baths		Pct Good		Unfin 1/2	
Bath Qual		Funct Obs		Unfin 3/4	
No.Bedrooms		No.Rooms		No.Firplace	
Heat Type		Fuel Type		SFLA	


ROANOKE AVE
W MAIN ST
PECONIC AVE
HEIDI BEHR WAY
FIRST CONG CHURCH OF RIVERHEAD CHURCH
SUFFOLK COUNTY COMMUNITY, CULLINARY ARTS
103 1st St Riverhead NY 11901 Suite/Apt/Comment: pastors office
102 E Main St Riverhead NY 11901 Suite/Apt/Comment: church
128 E Main St Riverhead NY 11901 Suite/Apt/Comment: Second floor 1 thru
128 E Main St Riverhead NY 11901 Suite/Apt/Comment:
112 E Main St Riverhead NY 11901 Suite/Apt/Comment:
54 E Main St Riverhead NY 11901 Suite/Apt/Comment:
42 E Main St Riverhead NY 11901 Suite/Apt/Comment:
119 E Main St Riverhead NY 11901 Suite/Apt/Comment:
101 E Main St Riverhead NY 11901 Suite/Apt/Comment:
83 E Main St Riverhead NY 11901 Suite/Apt/Comment:
53 E Main St Riverhead NY 11901 Suite/Apt/Comment:
93 E Main St Riverhead NY 11901 Suite/Apt/Comment: downstairs
29 E Main St Riverhead NY 11901 Suite/Apt/Comment:
15 Roanoke Ave Riverhead NY 11901 Suite/Apt/Comment:
8 E Main St Riverhead NY 11901 Suite/Apt/Comment:
16 W Main St Riverhead NY 11901 Suite/Apt/Comment:
48 W Main St Riverhead NY 11901 Suite/Apt/Comment:
7 W Main St Riverhead NY 11901 Suite/Apt/Comment:
208 Roanoke Ave Riverhead NY 11901 Suite/Apt/Comment:
209 Roanoke Ave Riverhead NY 11901 Suite/Apt/Comment:
203 Roanoke Ave Riverhead NY 11901 Suite/Apt/Comment:
169 Roanoke Ave Riverhead NY 11901 Suite/Apt/Comment:
12 1st St Riverhead NY 11901 Suite/Apt/Comment:
22 Peconic Ave Riverhead NY 11901 Suite/Apt/Comment:
40 Peconic Ave Riverhead NY 11901 Suite/Apt/Comment: Suite #'s
52 Peconic Ave Riverhead NY 11901 Suite/Apt/Comment:
64 Peconic Ave Riverhead NY 11901 Suite/Apt/Comment: info booth
150' Buffer
100' Buffer
73
90
25

Town of Riverhead
Millbrook Park
46 Lewis Street Riverhead,NY 11901

SCTM Number:	0600-105.-2-79 and 0600-105.-2-80

Property Size:	0.45	Acres
Building Size:	N/A	Square Feet
Parking Lot Size:	N/A	Square Feet
Parking Lot Material:	N/A	
Parking Lot Condition:	N/A	
Winter Road Maintenance:	N/A	

Local Water Body Present?	Yes
Waterbody Name/Type:	TOR Frsh Wetland ID: 2607
Distance to Property Line:	300' to the West

	2021	2022	2023	2024	2025	2026	2027	2028
Condition	N/A							
Swept Dates	N/A							
Quantity Removed (CY)	N/A							

Site Features			
	Yes	No	Notes
Playgrounds	X		
Ball Fields	X		3 Half Basketball Courts
Docking Area		X	
Boater Pumpout		X	
Restroom Buildings		X	
Sanitary System		X	
Sanitary System Type	N/A		

Fertilizer and Pesiticide Usage								
Year Placed	2021	2022	2023	2024	2025	2026	2027	2028
Product Used	Fertilizer							
Total Product Used	50 lbs							
Quantity as N	-							
Quantity as P	-							

Solid Waste								
	2021	2022	2023	2024	2025	2026	2027	2028
Refuse	Yes							
Bottle Recycling	No							

Property Information

Property Class	311 Res vac land	Acres	0.21
School District	Riverhead Csd #2	SCTM	105.-2-79
Location	Lewis St Riverhead		

Special District Information

Code	Special District
FD302	Rvrhd fire zone 1
WD301	Riverhead water
LT301	Light district
SC001	Scavenger waste dist
AM001	Rvrhd ambulance dist

Owner Information

Name	Town Of Riverhead
Street Address	200 Howell Ave
PO BOX	
Unit Name	
City State Zip	Riverhead NY 11901

Additional Owner Information

Name	

Sales Information

No Sale Data available

Commercial Information

Property Class	311 Res vac land	Overall Eff Yr Blt	0
Used as Cd		Sewer Type	
Utilities	Gas & elec	Overall Desire	
Overall Cond		Overall Grade	

Residential Information

Site No:

Bldg Style		Central Air		1st Story	
No. of Stories		Bsmt Type		2nd Story	
Ext Wall Mat		Bsmt Gar Cap		Addl Story	
Actual Yr Built		Overall Cond		1/2 Story	
Eff Yr Built		Exterior Cond		3/4 Story	
Yr Remodeled		Interior Cond		Fin Over Gar	
No. Kitchens		Constr Grade		Fin Attic	
Kitchen Qual.		Grade Adjust		Fin Bsmt	
No. Baths		Pct Good		Unfin 1/2	
Bath Qual		Funct Obs		Unfin 3/4	
No.Bedrooms		No.Rooms		No.Firplace	
Heat Type		Fuel Type		SFLA	

Property Information

Property Class	311 Res vac land	Acres	0.24
School District	Riverhead Csd #2	SCTM	105.-2-80
Location	46 Lewis St Riverhead		

Special District Information

Code	Special District
AM001	Rvrhd ambulance dist
FD302	Rvrhd fire zone 1
WD301	Riverhead water
LT301	Light district
SC001	Scavenger waste dist

Owner Information

Name	Town Of Riverhead
Street Address	200 Howell Ave
PO BOX	
Unit Name	
City State Zip	Riverhead NY 11901

Additional Owner Information

Name	

Sales Information

No Sale Data available

Commercial Information

Property Class	311 Res vac land	Overall Eff Yr Blt	0
Used as Cd		Sewer Type	
Utilities	Gas & elec	Overall Desire	
Overall Cond		Overall Grade	

Residential Information

Site No:

Bldg Style		Central Air		1st Story	
No. of Stories		Bsmt Type		2nd Story	
Ext Wall Mat		Bsmt Gar Cap		Addl Story	
Actual Yr Built		Overall Cond		1/2 Story	
Eff Yr Built		Exterior Cond		3/4 Story	
Yr Remodeled		Interior Cond		Fin Over Gar	
No. Kitchens		Constr Grade		Fin Attic	
Kitchen Qual.		Grade Adjust		Fin Bsmt	
No. Baths		Pct Good		Unfin 1/2	
Bath Qual		Funct Obs		Unfin 3/4	
No.Bedrooms		No.Rooms		No.Firplace	
Heat Type		Fuel Type		SFLA	

15 Melene Ave
Riverhead NY 11901
Suite/Apt/Comment:
MELENE AVE
11 Melene Ave
Riverhead NY 11901
Suite/Apt/Comment:
32 Lewis St
Riverhead NY 11
Suite/Apt/Comm
38 Lewis St
Riverhead NY 11901
Suite/Apt/Comment:
46 Lewis St
Riverhead NY 11901
Suite/Apt/Comment:
100' Buffer
150' Buffer
62 Lewis St
Riverhead NY 11901
Suite/Apt/Comment:
66 Lewis St
Riverhead NY 11901
Suite/Apt/Comment:
74 Lewis St
Riverhead NY 11901
Suite/Apt/Comment:
88 Lewis St
Riverhead NY 11901
Suite/Apt/Comment:
LEWIS ST
51 Lewis St
Riverhead NY 11901
Suite/Apt/Comment:
42 Do
Riverhead
Suite/Apt/
DORIS AVE
37 Doris Ave
Riverhead NY 11901
Suite/Apt/Comment:
83 Lewis St
Riverhead NY 11901
Suite/Apt/Comment:

Town of Riverhead
Nadel Park
9 Joyce Drive Riverhead, NY 11901

SCTM Number:	0600-83.-1-33

Property Size:	1.40	Acres
Building Size:	N/A	Square Feet
Parking Lot Size:	N/A	Square Feet
Parking Lot Material:	N/A	
Parking Lot Condition:	N/A	
Winter Road Maintenance:	N/A	

Local Water Body Present?	Yes
Waterbody Name/Type:	TOR Frsh Wetland ID: 3918
Distance to Property Line:	345' to the N-E

	2021	2022	2023	2024	2025	2026	2027	2028
Condition	N/A							
Swept Dates	N/A							
Quantity Removed (CY)	N/A							

Site Features			
	Yes	No	Notes
Playgrounds	X		Poured Safety Surface
Ball Fields		X	
Docking Area		X	
Boater Pumpout		X	
Restroom Buildings		X	
Sanitary System		X	
Sanitary System Type	N/A		

Fertilizer and Pesiticide Usage								
Year Placed	2021	2022	2023	2024	2025	2026	2027	2028
Product Used	Fertilizer							
Total Product Used	20 lbs							
Quantity as N	-							
Quantity as P	-							

Solid Waste								
	2021	2022	2023	2024	2025	2026	2027	2028
Refuse	No							
Bottle Recycling	No							

Property Information

Property Class	591 Playground	Acres	1.40
School District	Riverhead Csd #2	SCTM	83.-1-33
Location	Joyce Dr Riverhead		

Special District Information

Code	Special District
AM001	Rvrhd ambulance dist
FD302	Rvrhd fire zone 1
LT301	Light district
WD301	Riverhead water
SC001	Scavenger waste dist

Owner Information

Name	Town Of Riverhead
Street Address	200 Howell Ave
PO BOX	
Unit Name	
City State Zip	Riverhead NY 11901

Additional Owner Information

Name	

Sales Information

No Sale Data available

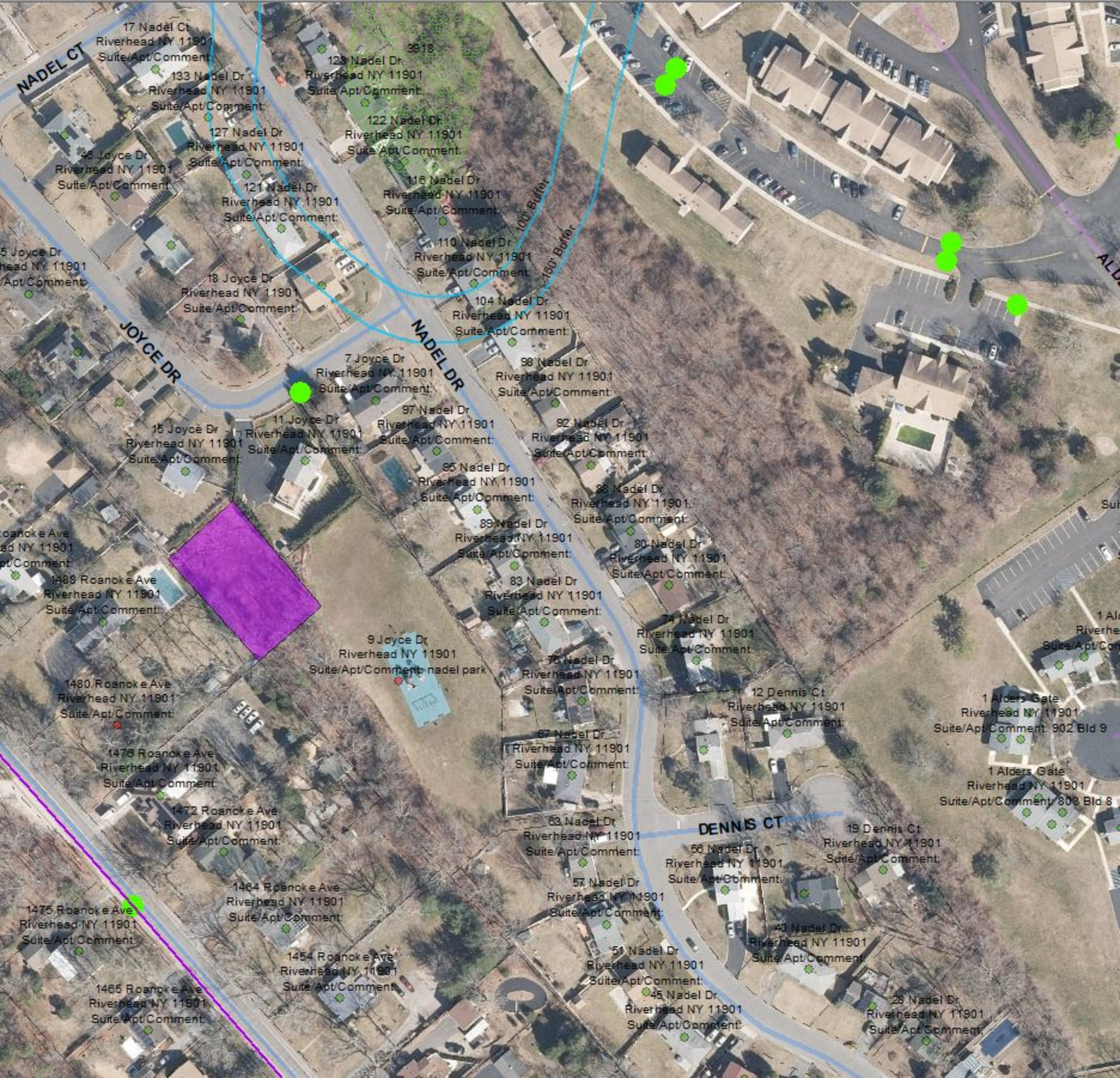
Commercial Information

Property Class	591 Playground	Overall Eff Yr Blt	0
Used as Cd		Sewer Type	
Utilities	Electric	Overall Desire	
Overall Cond		Overall Grade	

Residential Information

Site No:

Bldg Style		Central Air		1st Story	
No. of Stories		Bsmt Type		2nd Story	
Ext Wall Mat		Bsmt Gar Cap		Addl Story	
Actual Yr Built		Overall Cond		1/2 Story	
Eff Yr Built		Exterior Cond		3/4 Story	
Yr Remodeled		Interior Cond		Fin Over Gar	
No. Kitchens		Constr Grade		Fin Attic	
Kitchen Qual.		Grade Adjust		Fin Bsmt	
No. Baths		Pct Good		Unfin 1/2	
Bath Qual		Funct Obs		Unfin 3/4	
No.Bedrooms		No.Rooms		No.Firplace	
Heat Type		Fuel Type		SFLA	


NADEL CT
JOYCE DR
NADEL DR
DENNIS CT
100' Buffer
150' Buffer
17 Nadel Ct Riverhead NY 11901 Suite/Apt/Comment:
133 Nadel Dr Riverhead NY 11901 Suite/Apt/Comment:
3918
123 Nadel Dr Riverhead NY 11901 Suite/Apt/Comment:
122 Nadel Dr Riverhead NY 11901 Suite/Apt/Comment:
127 Nadel Dr Riverhead NY 11901 Suite/Apt/Comment:
46 Joyce Dr Riverhead NY 11901 Suite/Apt/Comment:
121 Nadel Dr Riverhead NY 11901 Suite/Apt/Comment:
116 Nadel Dr Riverhead NY 11901 Suite/Apt/Comment:
110 Nadel Dr Riverhead NY 11901 Suite/Apt/Comment:
18 Joyce Dr Riverhead NY 11901 Suite/Apt/Comment:
104 Nadel Dr Riverhead NY 11901 Suite/Apt/Comment:
7 Joyce Dr Riverhead NY 11901 Suite/Apt/Comment:
98 Nadel Dr Riverhead NY 11901 Suite/Apt/Comment:
11 Joyce Dr Riverhead NY 11901 Suite/Apt/Comment:
15 Joyce Dr Riverhead NY 11901 Suite/Apt/Comment:
97 Nadel Dr Riverhead NY 11901 Suite/Apt/Comment:
92 Nadel Dr Riverhead NY 11901 Suite/Apt/Comment:
95 Nadel Dr Riverhead NY 11901 Suite/Apt/Comment:
88 Nadel Dr Riverhead NY 11901 Suite/Apt/Comment:
89 Nadel Dr Riverhead NY 11901 Suite/Apt/Comment:
80 Nadel Dr Riverhead NY 11901 Suite/Apt/Comment:
1489 Roanoke Ave Riverhead NY 11901 Suite/Apt/Comment:
83 Nadel Dr Riverhead NY 11901 Suite/Apt/Comment:
74 Nadel Dr Riverhead NY 11901 Suite/Apt/Comment:
9 Joyce Dr Riverhead NY 11901 Suite/Apt/Comment: nadel park
70 Nadel Dr Riverhead NY 11901 Suite/Apt/Comment:
1480 Roanoke Ave Riverhead NY 11901 Suite/Apt/Comment:
12 Dennis Ct Riverhead NY 11901 Suite/Apt/Comment:
1 Alders Gate Riverhead NY 11901 Suite/Apt/Comment: 902 Bld 9
67 Nadel Dr Riverhead NY 11901 Suite/Apt/Comment:
1476 Roanoke Ave Riverhead NY 11901 Suite/Apt/Comment:
1 Alders Gate Riverhead NY 11901 Suite/Apt/Comment: 803 Bld 8
1472 Roanoke Ave Riverhead NY 11901 Suite/Apt/Comment:
63 Nadel Dr Riverhead NY 11901 Suite/Apt/Comment:
19 Dennis Ct Riverhead NY 11901 Suite/Apt/Comment:
56 Nadel Dr Riverhead NY 11901 Suite/Apt/Comment:
1464 Roanoke Ave Riverhead NY 11901 Suite/Apt/Comment:
57 Nadel Dr Riverhead NY 11901 Suite/Apt/Comment:
1475 Roanoke Ave Riverhead NY 11901 Suite/Apt/Comment:
40 Nadel Dr Riverhead NY 11901 Suite/Apt/Comment:
51 Nadel Dr Riverhead NY 11901 Suite/Apt/Comment:
1454 Roanoke Ave Riverhead NY 11901 Suite/Apt/Comment:
45 Nadel Dr Riverhead NY 11901 Suite/Apt/Comment:
28 Nadel Dr Riverhead NY 11901 Suite/Apt/Comment:
1465 Roanoke Ave Riverhead NY 11901 Suite/Apt/Comment:

Town of Riverhead
Oakland Drive Park
63 Oakland Drive West Riverhead, NY 11901

SCTM Number:	0600-65.-2-5

Property Size:	0.61	Acres
Building Size:	N/A	Square Feet
Parking Lot Size:	N/A	Square Feet
Parking Lot Material:	N/A	
Parking Lot Condition:	N/A	
Winter Road Maintenance:	N/A	

Local Water Body Present?	Yes
Waterbody Name/Type:	TOR Wetland ID: 4002
Distance to Property Line:	Adjacent

	2021	2022	2023	2024	2025	2026	2027	2028
Condition	N/A							
Swept Dates	N/A							
Quantity Removed (CY)	N/A							

Site Features			
	Yes	No	Notes
Playgrounds	X		Half Basketball Court, Picnic Area
Ball Fields		X	
Docking Area		X	
Boater Pumpout		X	
Restroom Buildings		X	
Sanitary System		X	
Sanitary System Type	N/A		

Fertilizer and Pesiticide Usage								
Year Placed	2021	2022	2023	2024	2025	2026	2027	2028
Product Used	N/A							
Total Product Used	N/A							
Quantity as N	N/A							
Quantity as P	N/A							

Solid Waste								
	2021	2022	2023	2024	2025	2026	2027	2028
Refuse	N/A							
Bottle Recycling	N/A							

Property Information

Property Class	591 Playground	Acres	0.58
School District	Riverhead Csd #2	SCTM	65.-2-5
Location	Oakland Dr N Riverhead		

Special District Information

Code	Special District
LT301	Light district
SC001	Scavenger waste dist
FD302	Rvrhd fire zone 1
WD310	Water ext 15
AM001	Rvrhd ambulance dist

Owner Information

Name	Town Of Riverhead
Street Address	200 Howell Ave
PO BOX	
Unit Name	
City State Zip	Riverhead NY 11901

Additional Owner Information

Name	

Sales Information

No Sale Data available

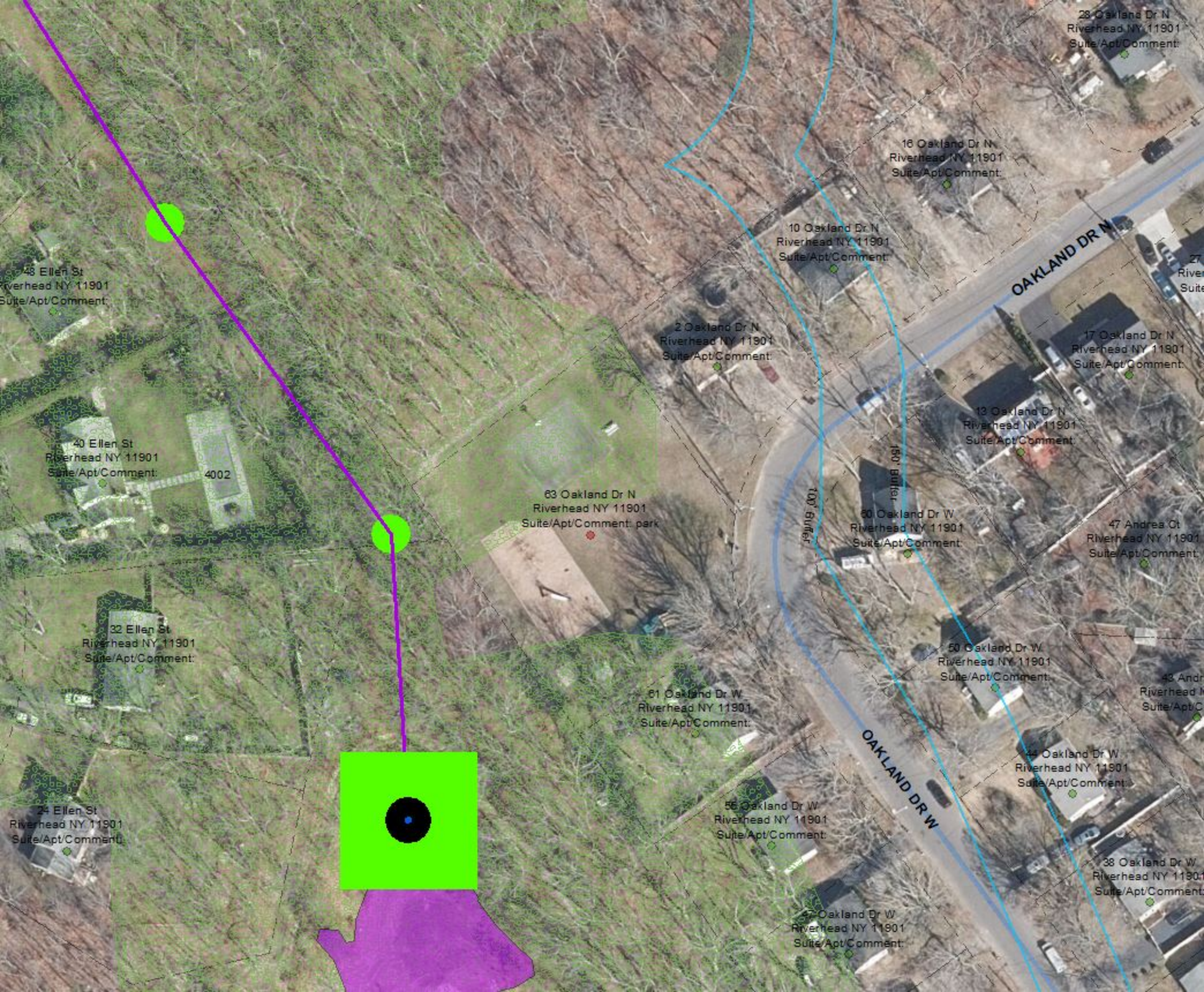
Commercial Information

Property Class	591 Playground	Overall Eff Yr Blt	0
Used as Cd		Sewer Type	
Utilities	Gas & elec	Overall Desire	
Overall Cond		Overall Grade	

Residential Information

Site No:

Bldg Style		Central Air		1st Story	
No. of Stories		Bsmt Type		2nd Story	
Ext Wall Mat		Bsmt Gar Cap		Addl Story	
Actual Yr Built		Overall Cond		1/2 Story	
Eff Yr Built		Exterior Cond		3/4 Story	
Yr Remodeled		Interior Cond		Fin Over Gar	
No. Kitchens		Constr Grade		Fin Attic	
Kitchen Qual.		Grade Adjust		Fin Bsmt	
No. Baths		Pct Good		Unfin 1/2	
Bath Qual		Funct Obs		Unfin 3/4	
No.Bedrooms		No.Rooms		No.Firplace	
Heat Type		Fuel Type		SFLA	


28 Oakland Dr N
Riverhead NY 11901
Suite/Apt/Comment:
16 Oakland Dr N
Riverhead NY 11901
Suite/Apt/Comment:
10 Oakland Dr N
Riverhead NY 11901
Suite/Apt/Comment:
OAKLAND DR N
48 Ellen St
Riverhead NY 11901
Suite/Apt/Comment:
2 Oakland Dr N
Riverhead NY 11901
Suite/Apt/Comment:
17 Oakland Dr N
Riverhead NY 11901
Suite/Apt/Comment:
13 Oakland Dr N
Riverhead NY 11901
Suite/Apt/Comment:
40 Ellen St
Riverhead NY 11901
Suite/Apt/Comment:
4002
150' Buffer
100' Buffer
63 Oakland Dr N
Riverhead NY 11901
Suite/Apt/Comment: park
60 Oakland Dr W
Riverhead NY 11901
Suite/Apt/Comment:
47 Andrea Ct
Riverhead NY 11901
Suite/Apt/Comment:
32 Ellen St
Riverhead NY 11901
Suite/Apt/Comment:
50 Oakland Dr W
Riverhead NY 11901
Suite/Apt/Comment:
61 Oakland Dr W
Riverhead NY 11901
Suite/Apt/Comment:
OAKLAND DR W
44 Oakland Dr W
Riverhead NY 11901
Suite/Apt/Comment:
24 Ellen St
Riverhead NY 11901
Suite/Apt/Comment:
56 Oakland Dr W
Riverhead NY 11901
Suite/Apt/Comment:
38 Oakland Dr W
Riverhead NY 11901
Suite/Apt/Comment:
47 Oakland Dr W
Riverhead NY 11901
Suite/Apt/Comment:

Town of Riverhead
Park Road 9-11 Memorial
Park Road Riverhead, NY 11901

SCTM Number:	0600-17.-1-5.22

Property Size:	4.0	Acres
Building Size:	N/A	Square Feet
Parking Lot Size:	1,300	Square Feet
Parking Lot Material:	Asphalt	
Parking Lot Condition:	Good	
Winter Road Maintenance:	N/A	

Local Water Body Present?	No
Waterbody Name/Type:	N/A
Distance to Property Line:	N/A

	2021	2022	2023	2024	2025	2026	2027	2028
Condition	N/A							
Swept Dates	N/A							
Quantity Removed (CY)	N/A							

Site Features			
	Yes	No	Notes
Playgrounds		X	
Ball Fields		X	
Docking Area		X	
Boater Pumpout		X	
Restroom Buildings		X	
Sanitary System		X	
Sanitary System Type	N/A		

Fertilizer and Pesiticide Usage								
Year Placed	2021	2022	2023	2024	2025	2026	2027	2028
Product Used	Fertilizer							
Total Product Used	30 lbs							
Quantity as N	-							
Quantity as P	-							

Solid Waste								
	2021	2022	2023	2024	2025	2026	2027	2028
Refuse	Yes							
Bottle Recycling	No							

Property Information

Property Class	962 County park	Acres	4.00
School District	Riverhead Csd #2	SCTM	17.-1-5.22
Location	Sound Ave Riverhead		

Special District Information

Code	Special District
WD335	Water ext 23
FD302	Rvrhd fire zone 1
SC001	Scavenger waste dist
AM001	Rvrhd ambulance dist
LT301	Light district

Owner Information

Name	County of Suffolk
Street Address	
PO BOX	144
Unit Name	
City State Zip	W Sayville NY 11796

Additional Owner Information

Name	

Sales Information

Sale Date	Deed Date	Deed Book	Deed Page	Sale Price	Sale Primary Owner
03/19/2013	05/06/2013	12728	637	$1,264,835.00	County of Suffolk
06/24/2004	07/07/2004	12329	374	$1,000,000.00	EMB Enterprises LLC
09/20/2001	10/04/2001	12145	346	$155,000.00	Gattuso, Barbara
03/22/1991	04/18/1991	11249	200	$1.00	Gattuso, Maria
08/01/1988	10/03/1988	10704	00342	$1.00	Gattuso, Giacomo

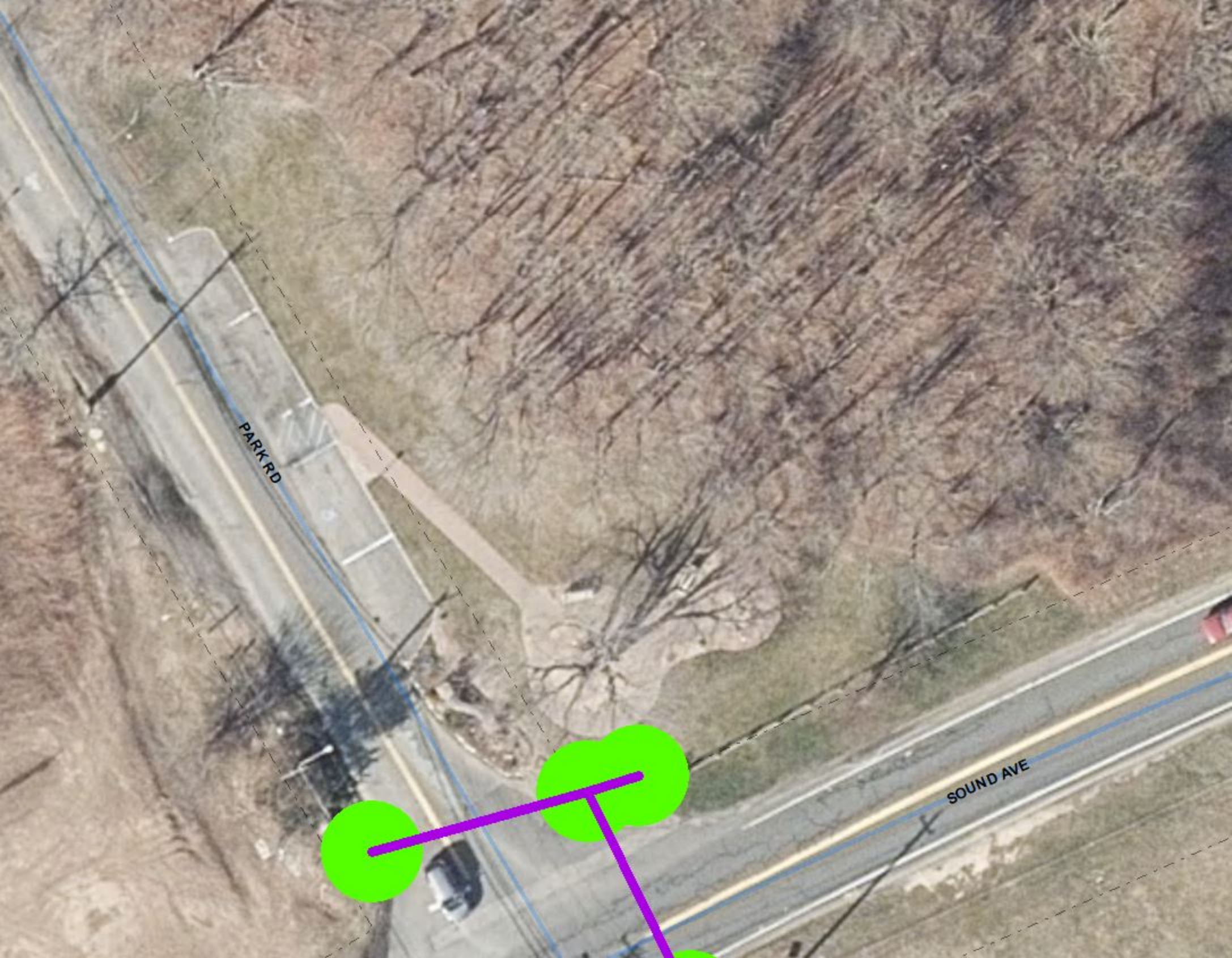
Commercial Information

Property Class	962 County park	Overall Eff Yr Blt	0
Used as Cd		Sewer Type	
Utilities		Overall Desire	
Overall Cond		Overall Grade	

Residential Information

Site No:

Bldg Style		Central Air		1st Story	
No. of Stories		Bsmt Type		2nd Story	
Ext Wall Mat		Bsmt Gar Cap		Addl Story	
Actual Yr Built		Overall Cond		1/2 Story	
Eff Yr Built		Exterior Cond		3/4 Story	
Yr Remodeled		Interior Cond		Fin Over Gar	
No. Kitchens		Constr Grade		Fin Attic	
Kitchen Qual.		Grade Adjust		Fin Bsmt	
No. Baths		Pct Good		Unfin 1/2	
Bath Qual		Funct Obs		Unfin 3/4	
No.Bedrooms		No.Rooms		No.Firplace	
Heat Type		Fuel Type		SFLA	


PARK RD
SOUND AVE

Town of Riverhead
Riley Avenue 9/11 Memorial Park
11 Riley Avenue Calverton, NY 11933

SCTM Number:	0600-99.-1-11.4

Property Size:	0.47	Acres
Building Size:	N/A	Square Feet
Parking Lot Size:	N/A	Square Feet
Parking Lot Material:	N/A	
Parking Lot Condition:	N/A	
Winter Road Maintenance:	No	

Local Water Body Present?	No
Waterbody Name/Type:	TOR Recharge Basin
Distance to Property Line:	Adjacent

	2021	2022	2023	2024	2025	2026	2027	2028
Condition	N/A							
Swept Dates	N/A							
Quantity Removed (CY)	N/A							

Site Features			
	Yes	No	Notes
Playgrounds		X	
Ball Fields		X	
Docking Area		X	
Boater Pumpout		X	
Restroom Buildings		X	
Sanitary System		X	
Sanitary System Type	N/A		

Fertilizer and Pesiticide Usage								
Year Placed	2021	2022	2023	2024	2025	2026	2027	2028
Product Used	Fertilizer							
Total Product Used	10 lbs							
Quantity as N	-							
Quantity as P	-							

Solid Waste								
	2021	2022	2023	2024	2025	2026	2027	2028
Refuse	No							
Bottle Recycling	No							

Property Information

Property Class	323 Vacant rural	Acres	0.50
School District	Riverhead Csd #2	SCTM	99.-1-11.4
Location	Edwards Ave Calverton		

Special District Information

Code	Special District
WD343	Water ext 37r
SC001	Scavenger waste dist
AM001	Rvrhd ambulance dist
FD302	Rvrhd fire zone 1
LT301	Light district

Owner Information

Name	Town Of Riverhead
Street Address	200 Howell Ave
PO BOX	
Unit Name	
City State Zip	Riverhead NY 11901

Additional Owner Information

Name	

Sales Information

No Sale Data available

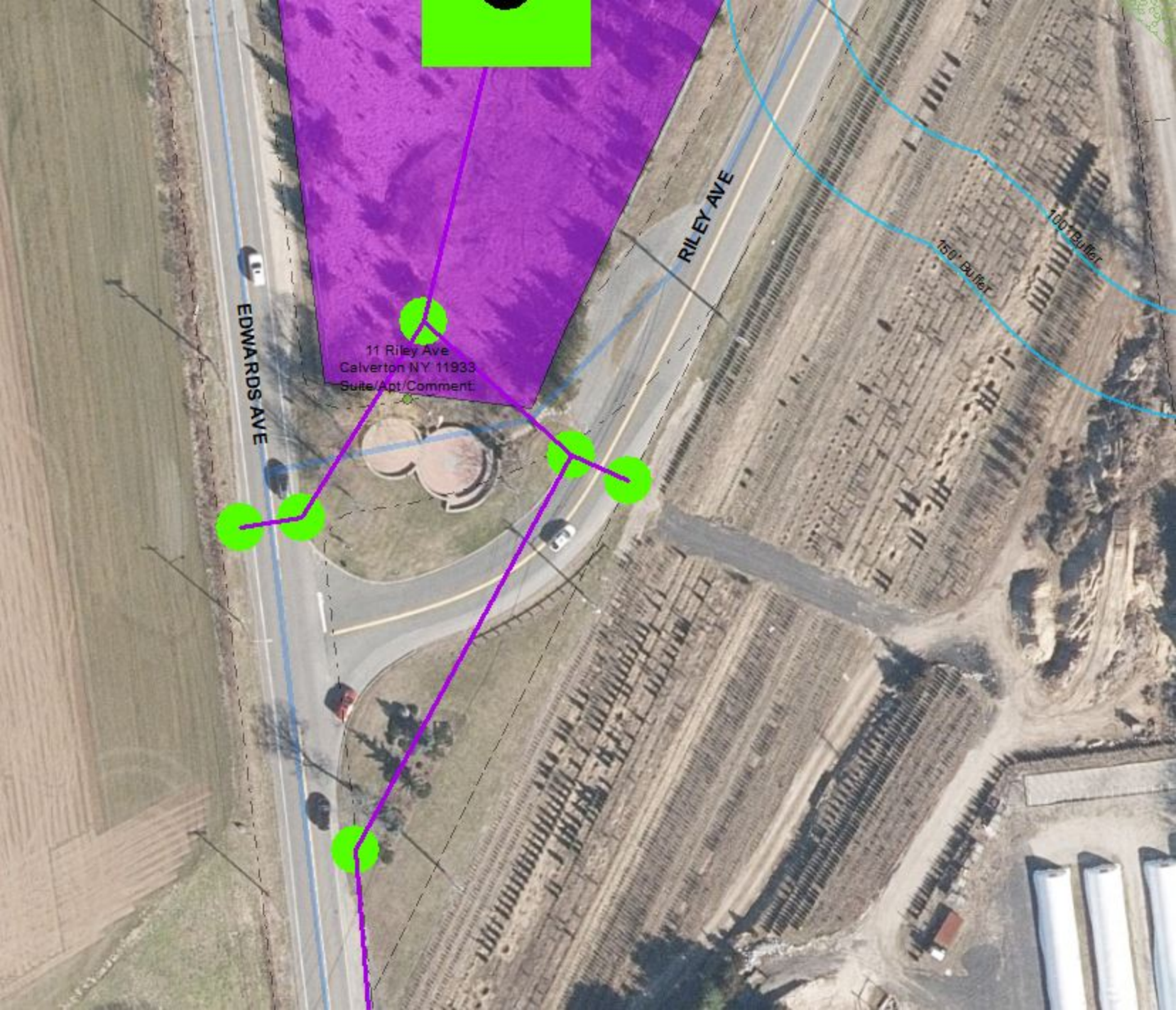
Commercial Information

Property Class	323 Vacant rural	Overall Eff Yr Blt	0
Used as Cd		Sewer Type	
Utilities		Overall Desire	
Overall Cond		Overall Grade	

Residential Information

Site No:

Bldg Style		Central Air		1st Story	
No. of Stories		Bsmt Type		2nd Story	
Ext Wall Mat		Bsmt Gar Cap		Addl Story	
Actual Yr Built		Overall Cond		1/2 Story	
Eff Yr Built		Exterior Cond		3/4 Story	
Yr Remodeled		Interior Cond		Fin Over Gar	
No. Kitchens		Constr Grade		Fin Attic	
Kitchen Qual.		Grade Adjust		Fin Bsmt	
No. Baths		Pct Good		Unfin 1/2	
Bath Qual		Funct Obs		Unfin 3/4	
No.Bedrooms		No.Rooms		No.Firplace	
Heat Type		Fuel Type		SFLA	


11 Riley Ave
Calverton NY 11933
Suite/Apt/Comment:
RILEY AVE
EDWARDS AVE
100' Buffer
150' Buffer

Town of Riverhead
Sound Avenue Preserve
3162 Sound Avenue Riverhead, NY 11901

SCTM Number:	0600-41.-1-17.1

Property Size:	8.3	Acres
Building Size:	N/A	Square Feet
Parking Lot Size:	7,150	Square Feet
Parking Lot Material:	Stone	
Parking Lot Condition:	Fair	
Winter Road Maintenance:	N/A	

Local Water Body Present?	No
Waterbody Name/Type:	N/A
Distance to Property Line:	N/A

	2021	2022	2023	2024	2025	2026	2027	2028
Condition	Fair							
Swept Dates	N/A							
Quantity Removed (CY)	N/A							

Site Features			
	Yes	No	Notes
Playgrounds		X	
Ball Fields		X	
Docking Area		X	
Boater Pumpout		X	
Restroom Buildings		X	
Sanitary System		X	
Sanitary System Type	N/A		

Fertilizer and Pesiticide Usage								
Year Placed	2021	2022	2023	2024	2025	2026	2027	2028
Product Used	Fertilizer							
Total Product Used	40 lbs							
Quantity as N	-							
Quantity as P	-							

Solid Waste								
	2021	2022	2023	2024	2025	2026	2027	2028
Refuse	Yes							
Bottle Recycling	No							

Property Information

Property Class	105 Vac farmland	Acres	8.30
School District	Riverhead Csd #2	SCTM	41.-1-17.1
Location	3162 Sound Ave Riverhead		

Special District Information

Code	Special District
FD302	Rvrhd fire zone 1
SC001	Scavenger waste dist
WD335	Water ext 23
WD301	Riverhead water
AM001	Rvrhd ambulance dist
LT301	Light district

Owner Information

Name	Town of Riverhead
Street Address	200 Howell Ave
PO BOX	
Unit Name	
City State Zip	Riverhead NY 11901

Additional Owner Information

Name	

Sales Information

Sale Date	Deed Date	Deed Book	Deed Page	Sale Price	Sale Primary Owner
12/15/2006	12/27/2006	12485	64	$1,300,000.00	Town of Riverhead

Commercial Information

Property Class	105 Vac farmland	Overall Eff Yr Blt	0
Used as Cd		Sewer Type	
Utilities	Electric	Overall Desire	
Overall Cond		Overall Grade	

Residential Information

Site No:

Bldg Style		Central Air		1st Story	
No. of Stories		Bsmt Type		2nd Story	
Ext Wall Mat		Bsmt Gar Cap		Addl Story	
Actual Yr Built		Overall Cond		1/2 Story	
Eff Yr Built		Exterior Cond		3/4 Story	
Yr Remodeled		Interior Cond		Fin Over Gar	
No. Kitchens		Constr Grade		Fin Attic	
Kitchen Qual.		Grade Adjust		Fin Bsmt	
No. Baths		Pct Good		Unfin 1/2	
Bath Qual		Funct Obs		Unfin 3/4	
No.Bedrooms		No.Rooms		No.Firplace	
Heat Type		Fuel Type		SFLA	

3202 Sound Ave
Riverhead NY 11901
Suite/Apt/Comment:
3174 Sound Ave
Riverhead NY 11901
Suite/Apt/Comment:
SOUND AVE
3190 Sound Ave
Riverhead NY 11901
Suite/Apt/Comment:
3177 Sound Ave
Riverhead NY 11901
Suite/Apt/Comment:
3134 Sound Ave
Riverhead NY 11901
Suite/Apt/Comment: 2014

Town of Riverhead
Stotzky Memorial Park
1144 Pulaski Street Riverhead, NY 11901

SCTM Number:	0600-125.-1-4.3

Property Size:	28.21	Acres
Building Size:	Varies	Square Feet
Parking Lot Size:	68,000	Square Feet
Parking Lot Material:	Asphalt	
Parking Lot Condition:	Good	
Winter Road Maintenance:	Yes	

Local Water Body Present?	Yes
Waterbody Name/Type:	TOR Wetland ID: 2511.5
Distance to Property Line:	Adjacent

	2021	2022	2023	2024	2025	2026	2027	2028
Condition	Good							
Swept Dates	-							
Quantity Removed (CY)	-							

Site Features			
	Yes	No	Notes
Playgrounds	X		
Ball Fields	X		7 Fields, 2 Tennis, 2 Handball, Skate Park and Rink
Docking Area		X	
Boater Pumpout		X	
Restroom Buildings	X		3 restrooms across property
Sanitary System	X		
Sanitary System Type	Septic Systems		

Fertilizer and Pesiticide Usage								
Year Placed	2021	2022	2023	2024	2025	2026	2027	2028
Product Used	Fertilizer							
Total Product Used	200 lbs							
Quantity as N	-							
Quantity as P	-							

Solid Waste								
	2021	2022	2023	2024	2025	2026	2027	2028
Refuse	Yes							
Bottle Recycling	Yes							

Property Information

Property Class	963 Municpl park	Acres	28.52
School District	Riverhead Csd #2	SCTM	125.-1-4.3
Location	1144 Pulaski St Riverhead		

Special District Information

Code	Special District
FD302	Rvrhd fire zone 1
WD301	Riverhead water
AM001	Rvrhd ambulance dist
LT301	Light district
SE301	Rhd full sewer cap

Owner Information

Name	Riverhead Water District
Street Address	200 Howell Ave
PO BOX	
Unit Name	
City State Zip	Riverhead NY 11901

Additional Owner Information

Name	

Sales Information

No Sale Data available

Commercial Information

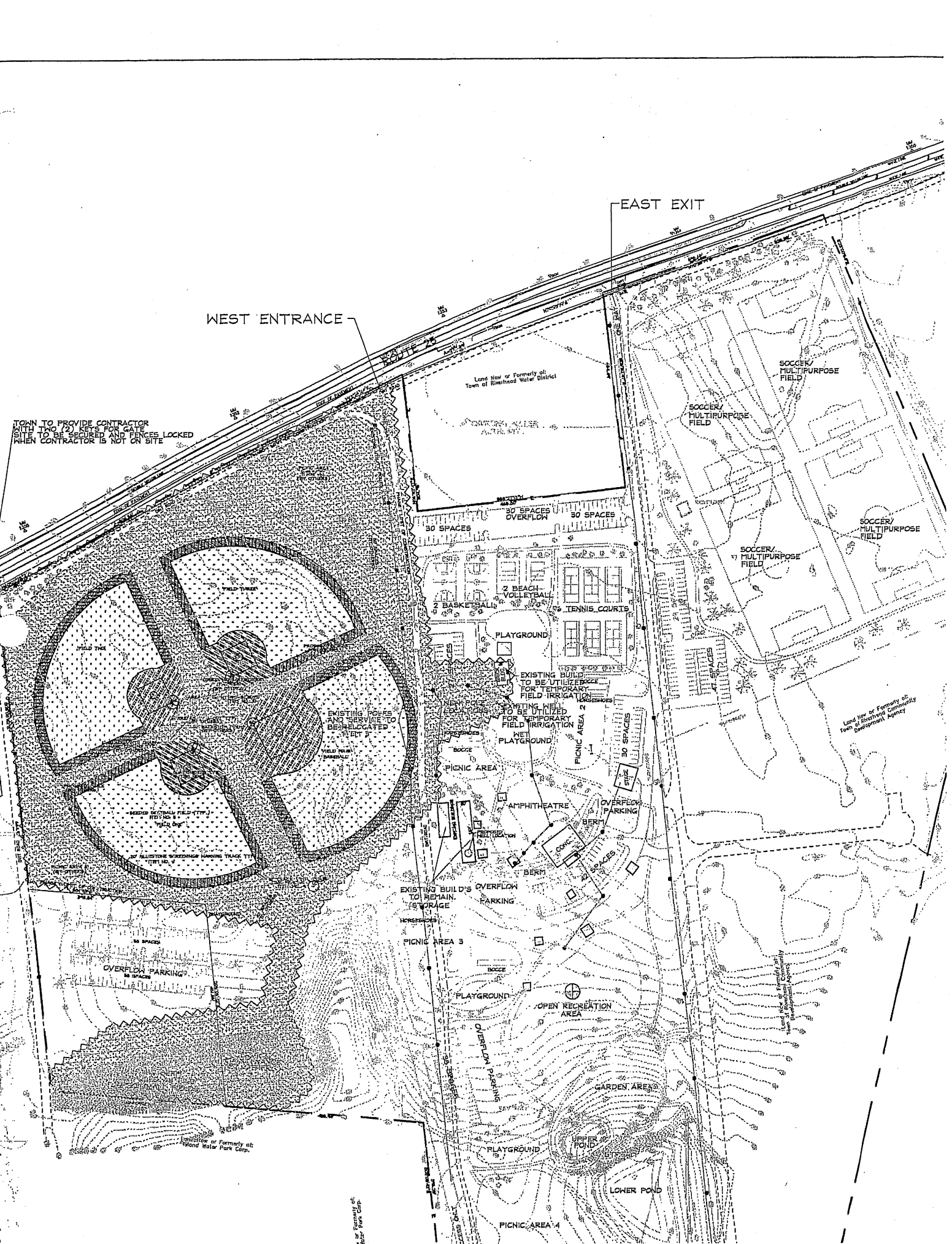
Property Class		Overall Eff Yr Blt	
Used as Cd		Sewer Type	
Utilities		Overall Desire	
Overall Cond		Overall Grade	

Residential Information

Site No:

Bldg Style		Central Air		1st Story	
No. of Stories		Bsmt Type		2nd Story	
Ext Wall Mat		Bsmt Gar Cap		Addl Story	
Actual Yr Built		Overall Cond		1/2 Story	
Eff Yr Built		Exterior Cond		3/4 Story	
Yr Remodeled		Interior Cond		Fin Over Gar	
No. Kitchens		Constr Grade		Fin Attic	
Kitchen Qual.		Grade Adjust		Fin Bsmt	
No. Baths		Pct Good		Unfin 1/2	
Bath Qual		Funct Obs		Unfin 3/4	
No.Bedrooms		No.Rooms		No.Firplace	
Heat Type		Fuel Type		SFLA	

772 Raynor Ave
Riverhead NY 11901
Suite/Apt/Comment:
645 Marcy Ave
Riverhead NY 11901
Suite/Apt/Comment:
OSBORN AVE
758 Gregory Pl
Riverhead NY 11901
Suite/Apt/Comment:
795 Raynor Ave
Riverhead NY 11901
Suite/Apt/Comment:
478 Marcy Ave
Riverhead NY 11901
Suite/Apt/Comment:
742 Raynor Ave
Riverhead NY 11901
Suite/Apt/Comment:
GREGORY PL
464 Marcy Ave
Riverhead NY 11901
Suite/Apt/Comment:
728 Raynor Ave
Riverhead NY 11901
Suite/Apt/Comment:
MARCY AVE
229 Columbus Ave
Riverhead NY 11901
Suite/Apt/Comment: palshed
711 Gregory Pl
Riverhead NY 11901
Suite/Apt/Comment:
710 Raynor Ave
Riverhead NY 11901
Suite/Apt/Comment:
634 Raynor Ave
Riverhead NY 11901
Suite/Apt/Comment:
511 Marcy Ave
Riverhead NY 11901
Suite/Apt/Comment:
RAYNOR AVE
166 Columbus Ave
Riverhead NY 11901
Suite/Apt/Comment:
616 Raynor Ave
Riverhead NY 11901
Suite/Apt/Comment:
1262 Pulaski St
Riverhead NY 11901
Suite/Apt/Comment:
2510
21 Sandy Hollow Ct
Riverhead NY 11901
Suite/Apt/Comment:
1295 Pulaski St
Riverhead NY 11901
Suite/Apt/Comment:
SANDY HOLLOW CT
556 Raynor Ave
Riverhead NY 11901
Suite/Apt/Comment:
2511.5
1281 Pulaski St
Riverhead NY 11901
Suite/Apt/Comment:
167 Columbus Ave
Riverhead NY 11901
Suite/Apt/Comment:
165 Columbus Ave
Riverhead NY 11901
Suite/Apt/Comment:
2511
542 Raynor Ave
Riverhead NY 11901
Suite/Apt/Comment:
526 Raynor Ave
Riverhead NY 11901
Suite/Apt/Comment:
906 Parkway St
Riverhead NY 11901
Suite/Apt/Comment:
J T BLVD
59 Sandy Hollow Ct
Riverhead NY 11901
Suite/Apt/Comment:
112 J T Blvd
Riverhead NY 11901
Suite/Apt/Comment:
82 Columbus Ave
Riverhead NY 11901
Suite/Apt/Comment:
506 Raynor Ave
Riverhead NY 11901
Suite/Apt/Comment:
COLUMBUS AVE
1020 Parkway St
Riverhead NY 11901
Suite/Apt/Comment:
424 Raynor Ave
Riverhead NY 11901
Suite/Apt/Comment:
PULASKI ST
1044 Parkway St
Riverhead NY 11901
Suite/Apt/Comment:
1035 Parkway St
Riverhead NY 11901
Suite/Apt/Comment:
421 Raynor Ave
Riverhead NY 11901
Suite/Apt/Comment:
60 Fanning St
Riverhead NY 11901
Suite/Apt/Comment:
55 Columbus Ave
Riverhead NY 11901
Suite/Apt/Comment:
1040 West St
Riverhead NY 11901
Suite/Apt/Comment:
1016 West St
Riverhead NY 11901
Suite/Apt/Comment:
PARKWAY ST
1502
315 Raynor Ave
Riverhead NY 11901
Suite/Apt/Comment:
WEST ST
62 J T Blvd
Riverhead NY 11901
Suite/Apt/Comment:
303 Raynor Ave
Riverhead NY 11901
Suite/Apt/Comment:
1074 Pulaski St
Riverhead NY 11901
Suite/Apt/Comment:
1044 Pulaski St
Riverhead NY 11901
Suite/Apt/Comment:
PULASKI ST


EAST EXIT
WEST ENTRANCE
ROUTE 25
TOWN TO PROVIDE CONTRACTOR WITH TWO (2) KEYS FOR GATE. SITE TO BE SECURED AND FENCES LOCKED WHEN CONTRACTOR IS NOT ON SITE
Land Now or Formerly of: Town of Riverhead Water District
SOCCER/ MULTIPURPOSE FIELD
SOCCER/ MULTIPURPOSE FIELD
SOCCER/ MULTIPURPOSE FIELD
SOCCER/ MULTIPURPOSE FIELD
30 SPACES OVERFLOW
30 SPACES
30 SPACES
2 BEACH VOLLEYBALL
2 BASKETBALL
2 TENNIS COURTS
PLAYGROUND
EXISTING BUILD TO BE UTILIZED FOR TEMPORARY FIELD IRRIGATION
EXISTING WELL TO BE UTILIZED FOR TEMPORARY FIELD IRRIGATION
WET PLAYGROUND
PICNIC AREA 2
30 SPACES
PICNIC AREA
AMPHITHEATRE
OVERFLOW PARKING
BERM
BERM
EXISTING POLES AND SERVICE TO BE RELOCATED
EXISTING BUILD'S TO REMAIN. STORAGE
OVERFLOW PARKING
PICNIC AREA 3
PLAYGROUND
OPEN RECREATION AREA
OVERFLOW PARKING
GARDEN AREA
UPPER POND
PLAYGROUND
LOWER POND
PICNIC AREA 4
OVERFLOW PARKING
Land Now or Formerly of: Town of Riverhead Community Development Agency
Land Now or Formerly of: Riverhead Water Park Corp.
Land Now or Formerly of: Riverhead Water Park Corp.

Town of Riverhead
Two Bears Park
163 Old Farm Road Riverhead, NY 11901

SCTM Number:	0600-84.-1-2.68

Property Size:	1.2	Acres
Building Size:	N/A	Square Feet
Parking Lot Size:	2,800	Square Feet
Parking Lot Material:	Asphalt	
Parking Lot Condition:	Fair	
Winter Road Maintenance:	No	

Local Water Body Present?	No
Waterbody Name/Type:	N/A
Distance to Property Line:	N/A

	2021	2022	2023	2024	2025	2026	2027	2028
Condition	Fair							
Swept Dates	N/A							
Quantity Removed (CY)	N/A							

Site Features			
	Yes	No	Notes
Playgrounds	X		2 Tennis Courts
Ball Fields		X	
Docking Area		X	
Boater Pumpout		X	
Restroom Buildings		X	
Sanitary System		X	
Sanitary System Type	N/A		

Fertilizer and Pesiticide Usage								
Year Placed	2021	2022	2023	2024	2025	2026	2027	2028
Product Used	N/A							
Total Product Used	N/A							
Quantity as N	N/A							
Quantity as P	N/A							

Solid Waste								
	2021	2022	2023	2024	2025	2026	2027	2028
Refuse	No							
Bottle Recycling	No							

Property Information

Property Class	590 Park	Acres	1.20
School District	Riverhead Csd #2	SCTM	84.-1-2.68
Location	Old Farm Rd Riverhead		

Special District Information

Code	Special District
AM001	Rvrhd ambulance dist
FD302	Rvrhd fire zone 1
SC001	Scavenger waste dist
LT301	Light district
WD301	Riverhead water

Owner Information

Name	Town of Riverhead
Street Address	200 Howell Ave
PO BOX	
Unit Name	
City State Zip	Riverhead NY 11901

Additional Owner Information

Name	

Sales Information

Sale Date	Deed Date	Deed Book	Deed Page	Sale Price	Sale Primary Owner
03/08/2006	03/21/2007	12497	364	$1.00	Town of Riverhead
10/06/2005	10/11/2005	12413	798	$1.00	County of Suffolk

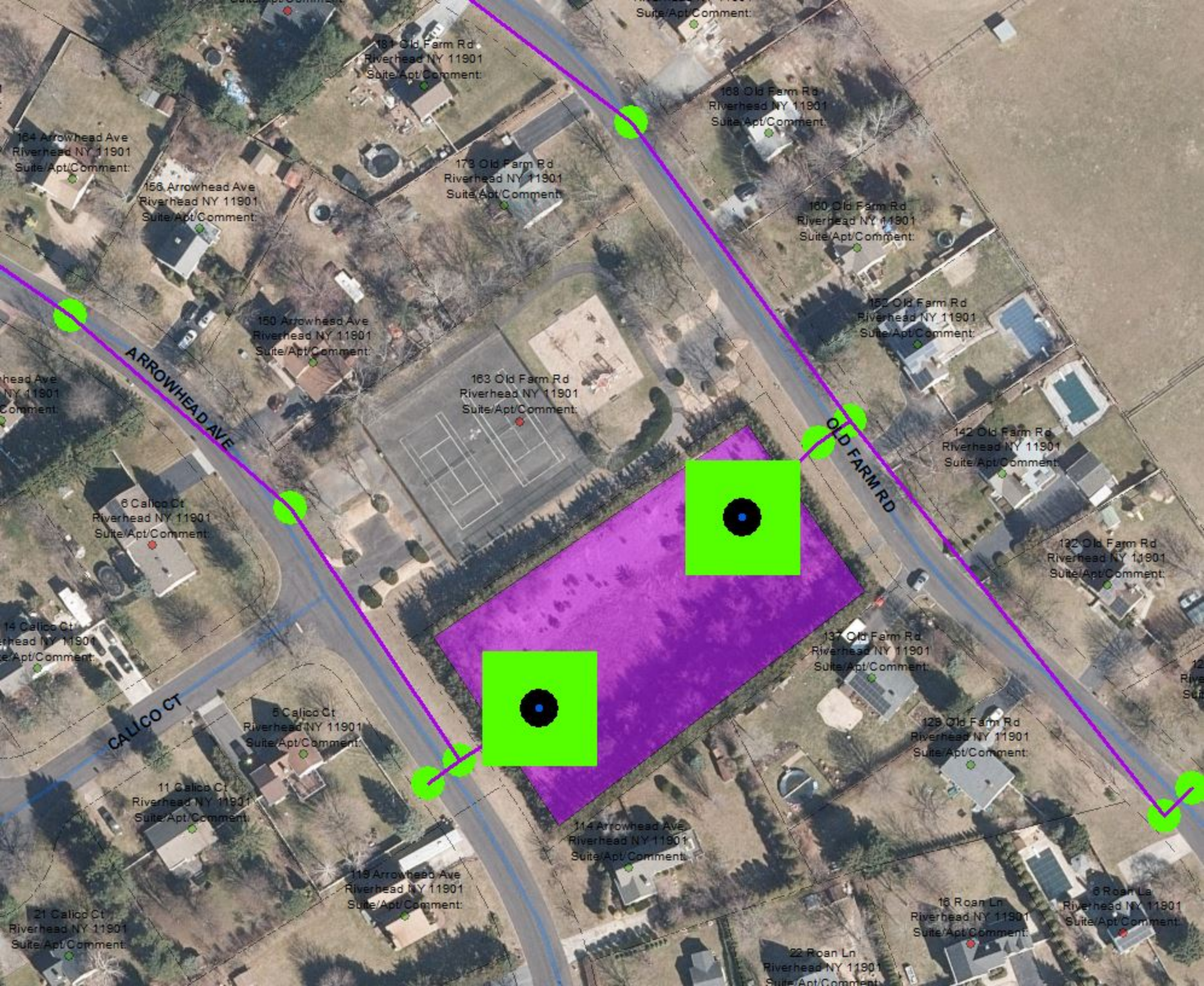
Commercial Information

Property Class	590 Park	Overall Eff Yr Blt	0
Used as Cd		Sewer Type	
Utilities		Overall Desire	
Overall Cond		Overall Grade	

Residential Information

Site No:

Bldg Style		Central Air		1st Story	
No. of Stories		Bsmt Type		2nd Story	
Ext Wall Mat		Bsmt Gar Cap		Addl Story	
Actual Yr Built		Overall Cond		1/2 Story	
Eff Yr Built		Exterior Cond		3/4 Story	
Yr Remodeled		Interior Cond		Fin Over Gar	
No. Kitchens		Constr Grade		Fin Attic	
Kitchen Qual.		Grade Adjust		Fin Bsmt	
No. Baths		Pct Good		Unfin 1/2	
Bath Qual		Funct Obs		Unfin 3/4	
No.Bedrooms		No.Rooms		No.Firplace	
Heat Type		Fuel Type		SFLA	


ARROWHEAD AVE
OLD FARM RD
CALICO CT
181 Old Farm Rd
Riverhead NY 11901
Suite/Apt/Comment:
168 Old Farm Rd
Riverhead NY 11901
Suite/Apt/Comment:
164 Arrowhead Ave
Riverhead NY 11901
Suite/Apt/Comment:
179 Old Farm Rd
Riverhead NY 11901
Suite/Apt/Comment:
156 Arrowhead Ave
Riverhead NY 11901
Suite/Apt/Comment:
160 Old Farm Rd
Riverhead NY 11901
Suite/Apt/Comment:
150 Arrowhead Ave
Riverhead NY 11901
Suite/Apt/Comment:
152 Old Farm Rd
Riverhead NY 11901
Suite/Apt/Comment:
163 Old Farm Rd
Riverhead NY 11901
Suite/Apt/Comment:
142 Old Farm Rd
Riverhead NY 11901
Suite/Apt/Comment:
6 Calico Ct
Riverhead NY 11901
Suite/Apt/Comment:
132 Old Farm Rd
Riverhead NY 11901
Suite/Apt/Comment:
14 Calico Ct
Riverhead NY 11901
Suite/Apt/Comment:
137 Old Farm Rd
Riverhead NY 11901
Suite/Apt/Comment:
5 Calico Ct
Riverhead NY 11901
Suite/Apt/Comment:
128 Old Farm Rd
Riverhead NY 11901
Suite/Apt/Comment:
11 Calico Ct
Riverhead NY 11901
Suite/Apt/Comment:
114 Arrowhead Ave
Riverhead NY 11901
Suite/Apt/Comment:
119 Arrowhead Ave
Riverhead NY 11901
Suite/Apt/Comment:
21 Calico Ct
Riverhead NY 11901
Suite/Apt/Comment:
16 Roan Ln
Riverhead NY 11901
Suite/Apt/Comment:
8 Roan Ln
Riverhead NY 11901
Suite/Apt/Comment:
22 Roan Ln
Riverhead NY 11901

Town of Riverhead
Veterans Memorial Park
5789 Middle Country Road Calverton, NY 11933

SCTM Number:	0600-135.-7.33

Property Size:	1,980	Acres
Building Size:	N/A	Square Feet
Parking Lot Size:	77,508	Square Feet
Parking Lot Material:	Asphalt	
Parking Lot Condition:	Fair	
Winter Road Maintenance:	Yes	

Local Water Body Present?	No
Waterbody Name/Type:	N/A
Distance to Property Line:	N/A

	2021	2022	2023	2024	2025	2026	2027	2028
Condition	Fair							
Swept Dates	-							
Quantity Removed (CY)	-							

Site Features			
	Yes	No	Notes
Playgrounds		X	
Ball Fields	X		4 Ballfields, 2 Pickleball Courts, Dog Park
Docking Area		X	
Boater Pumpout		X	
Restroom Buildings		X	
Sanitary System		X	
Sanitary System Type	N/A		

Fertilizer and Pesiticide Usage								
Year Placed	2021	2022	2023	2024	2025	2026	2027	2028
Product Used	Fertilizer							
Total Product Used	150 lbs							
Quantity as N	-							
Quantity as P	-							

Solid Waste								
	2021	2022	2023	2024	2025	2026	2027	2028
Refuse	Yes							
Bottle Recycling	No							

Property Information

Property Class	700 Industrial	Acres	1980.10
School District	Riverhead Csd #2	SCTM	135.-1-7.33
Location	4725 Middle Country Rd Calverton		

Special District Information

Code	Special District
FD302	Rvrhd fire zone 1
FD305	Manorville fire
LT301	Light district
FD301	Wading river fire
AM001	Rvrhd ambulance dist
SC001	Scavenger waste dist

Owner Information

Name	Community Dev Agency
Street Address	200 Howell Ave
PO BOX	
Unit Name	
City State Zip	Riverhead NY 11901

Additional Owner Information

Name	

Sales Information

No Sale Data available

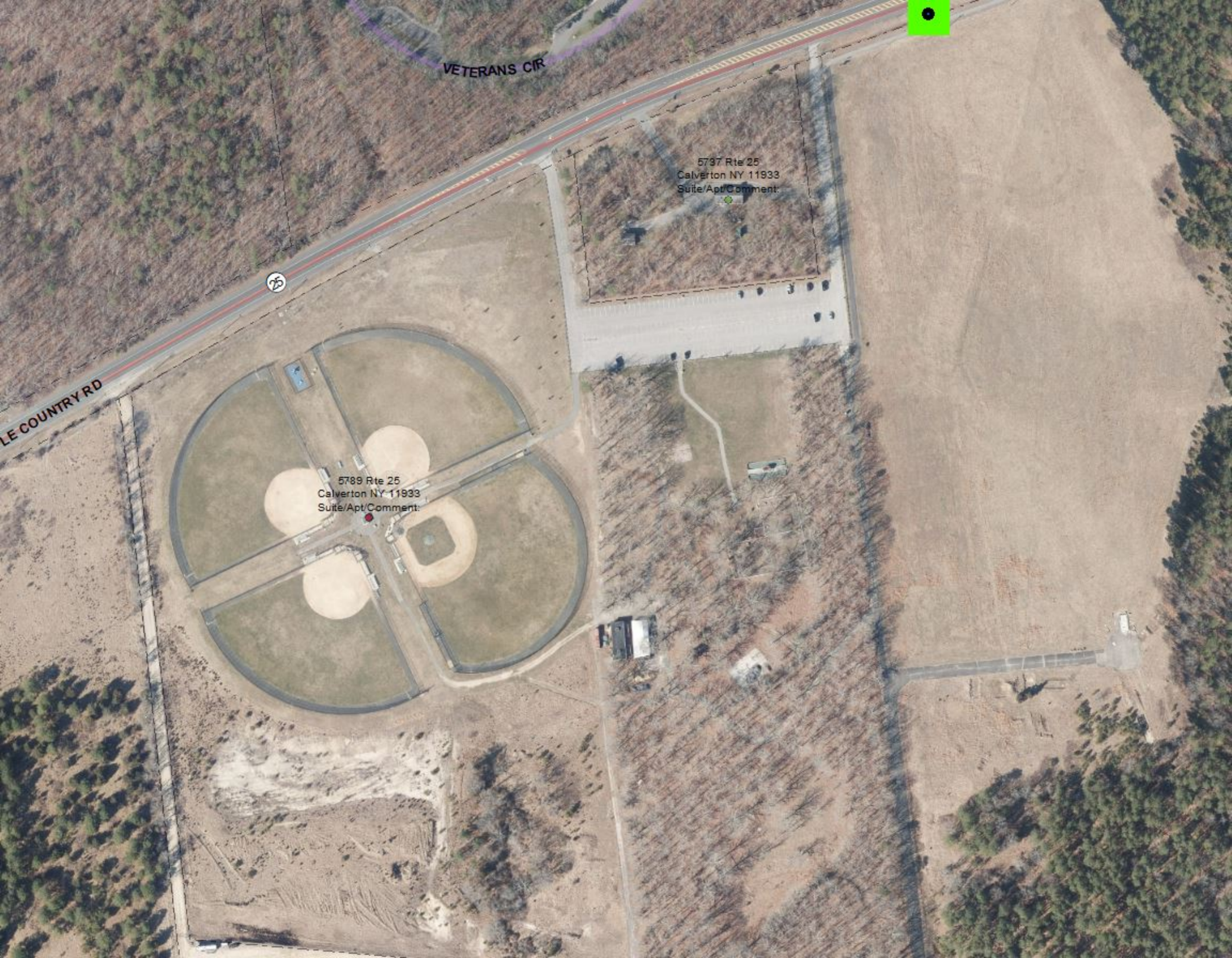
Commercial Information

Property Class		Overall Eff Yr Blt	
Used as Cd		Sewer Type	
Utilities		Overall Desire	
Overall Cond		Overall Grade	

Residential Information

Site No:

Bldg Style		Central Air		1st Story	
No. of Stories		Bsmt Type		2nd Story	
Ext Wall Mat		Bsmt Gar Cap		Addl Story	
Actual Yr Built		Overall Cond		1/2 Story	
Eff Yr Built		Exterior Cond		3/4 Story	
Yr Remodeled		Interior Cond		Fin Over Gar	
No. Kitchens		Constr Grade		Fin Attic	
Kitchen Qual.		Grade Adjust		Fin Bsmt	
No. Baths		Pct Good		Unfin 1/2	
Bath Qual		Funct Obs		Unfin 3/4	
No.Bedrooms		No.Rooms		No.Firplace	
Heat Type		Fuel Type		SFLA	


VETERANS CIR
5737 Rte 25
Calverton NY 11933
Suite/Apt/Comment:
25
LE COUNTRY RD
5789 Rte 25
Calverton NY 11933
Suite/Apt/Comment:

Town of Riverhead
Weeping Willow Park
967 West Main Street Riverhead, NY 11901

SCTM Number:	0600-124.-4-5

Property Size:	0.45	Acres
Building Size:	N/A	Square Feet
Parking Lot Size:	3,500	Square Feet
Parking Lot Material:	Blue Stone	
Parking Lot Condition:	Good	
Winter Road Maintenance:	N/A	

Local Water Body Present?	Yes
Waterbody Name/Type:	Peconic River
Distance to Property Line:	Directly to the South

	2021	2022	2023	2024	2025	2026	2027	2028
Condition	Good							
Swept Dates	N/A							
Quantity Removed (CY)	N/A							

Site Features			
	Yes	No	Notes
Playgrounds		X	
Ball Fields		X	
Docking Area		X	
Boater Pumpout		X	
Restroom Buildings		X	
Sanitary System		X	
Sanitary System Type	N/A		

Fertilizer and Pesiticide Usage								
Year Placed	2021	2022	2023	2024	2025	2026	2027	2028
Product Used	Fertilizer							
Total Product Used	30 lbs							
Quantity as N	-							
Quantity as P	-							

Solid Waste								
	2021	2022	2023	2024	2025	2026	2027	2028
Refuse	No							
Bottle Recycling	No							

Property Information

Property Class	311 Res vac land	Acres	0.45
School District	Riverhead Csd #2	SCTM	124.-4-5
Location	967 W Main St Riverhead		

Special District Information

Code	Special District
AM001	Rvrhd ambulance dist
SC001	Scavenger waste dist
EZ001	Empire Zone
WD352	Water ext 48
FD302	Rvrhd fire zone 1
LT301	Light district

Owner Information

Name	Town of Riverhead
Street Address	200 Howell Ave
PO BOX	
Unit Name	
City State Zip	Riverhead NY 11901

Additional Owner Information

Name	

Sales Information

Sale Date	Deed Date	Deed Book	Deed Page	Sale Price	Sale Primary Owner
08/24/2009	09/02/2009	12598	682	$1,250,000.00	Town of Riverhead
05/15/1990	05/22/1990	11072	054	$450,000.00	Woodhull, James R

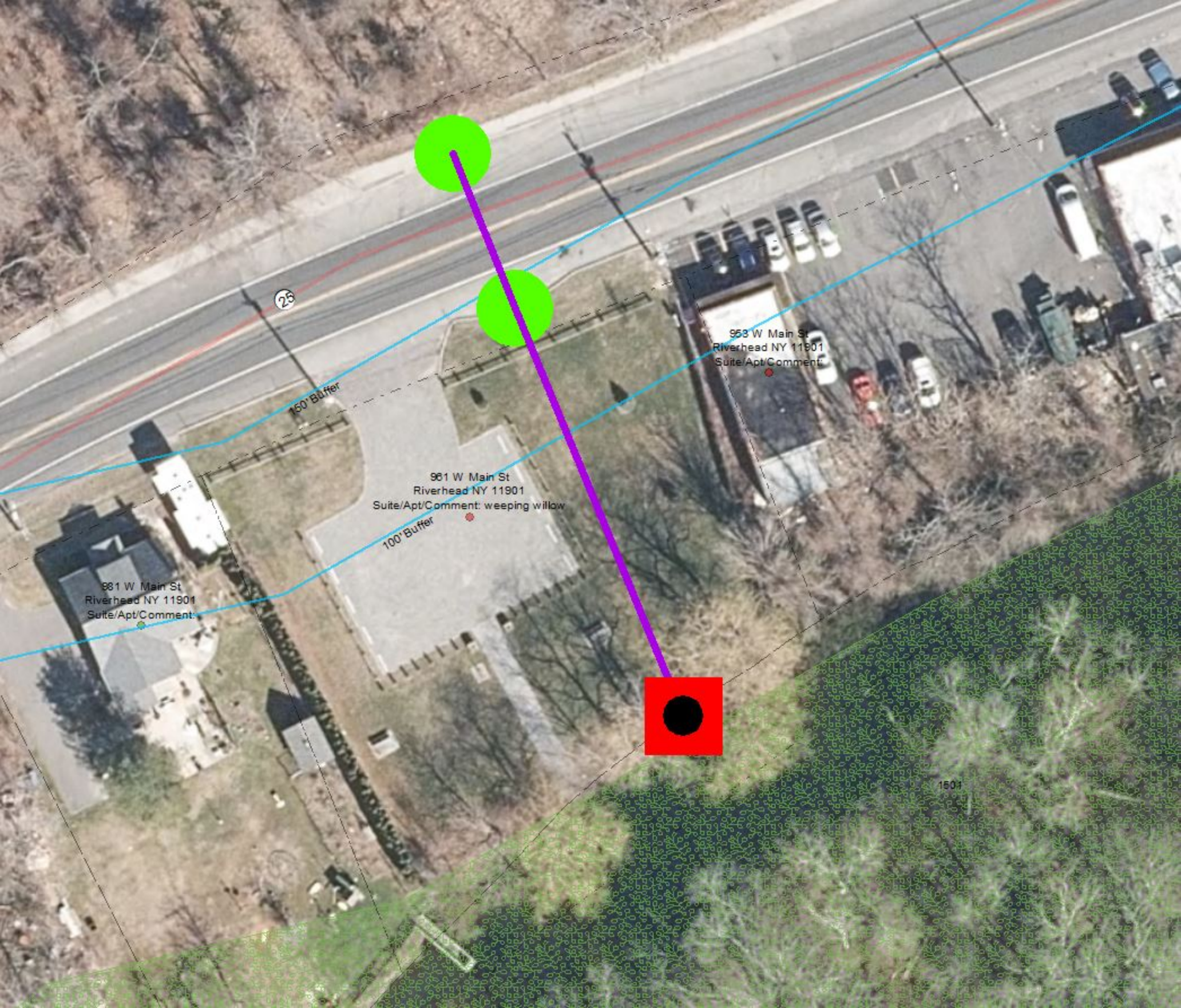
Commercial Information

Property Class	311 Res vac land	Overall Eff Yr Blt	0
Used as Cd		Sewer Type	
Utilities		Overall Desire	
Overall Cond		Overall Grade	

Residential Information

Site No:

Bldg Style		Central Air		1st Story	
No. of Stories		Bsmt Type		2nd Story	
Ext Wall Mat		Bsmt Gar Cap		Addl Story	
Actual Yr Built		Overall Cond		1/2 Story	
Eff Yr Built		Exterior Cond		3/4 Story	
Yr Remodeled		Interior Cond		Fin Over Gar	
No. Kitchens		Constr Grade		Fin Attic	
Kitchen Qual.		Grade Adjust		Fin Bsmt	
No. Baths		Pct Good		Unfin 1/2	
Bath Qual		Funct Obs		Unfin 3/4	
No.Bedrooms		No.Rooms		No.Firplace	
Heat Type		Fuel Type		SFLA	


25
150' Buffer
100' Buffer
953 W Main St
Riverhead NY 11901
Suite/Apt/Comment:
961 W Main St
Riverhead NY 11901
Suite/Apt/Comment: weeping willow
981 W Main St
Riverhead NY 11901
Suite/Apt/Comment:
1501

Waterfront Parks

Town of Riverhead
Ammerman Park - Riverfront
Peconic Avenue/Heidi Behr Way

SCTM Number:	0600-128.-6-87

Property Size:	1.55	Acres
Building Size:	N/A	Square Feet
Parking Lot Size:	248,687	Square Feet
Parking Lot Material:	Asphalt	
Parking Lot Condition:	Good	
Winter Road Maintenance:	Yes	

Local Water Body Present?	Yes
Waterbody Name/Type:	Peconic River
Distance to Property Line:	Adjacent

	2021	2022	2023	2024	2025	2026	2027	2028
Condition	Good							
Swept Dates	-							
Quantity Removed (CY)	-							

Site Features			
	Yes	No	Notes
Playgrounds		X	
Ball Fields		X	
Docking Area	X		
Boater Pumpout	X		
Restroom Buildings	X		
Sanitary System	X		Comfort Station
Sanitary System Type	Septic System		

Fertilizer and Pesiticide Usage								
Year Placed	2021	2022	2023	2024	2025	2026	2027	2028
Product Used	N/A							
Total Product Used	N/A							
Quantity as N	N/A							
Quantity as P	N/A							

Solid Waste								
	2021	2022	2023	2024	2025	2026	2027	2028
Refuse	Yes							
Bottle Recycling	Yes							

Property Information

Property Class	315 Underwtr Ind	Acres	1.00
School District	Riverhead Csd #2	SCTM	128.-6-87
Location	Riverhead		

Special District Information

No Special District Information found

Owner Information

Name	Town Of Riverhead
Street Address	200 Howell Ave
PO BOX	
Unit Name	
City State Zip	Riverhead NY 11901

Additional Owner Information

Name	

Sales Information

No Sale Data available

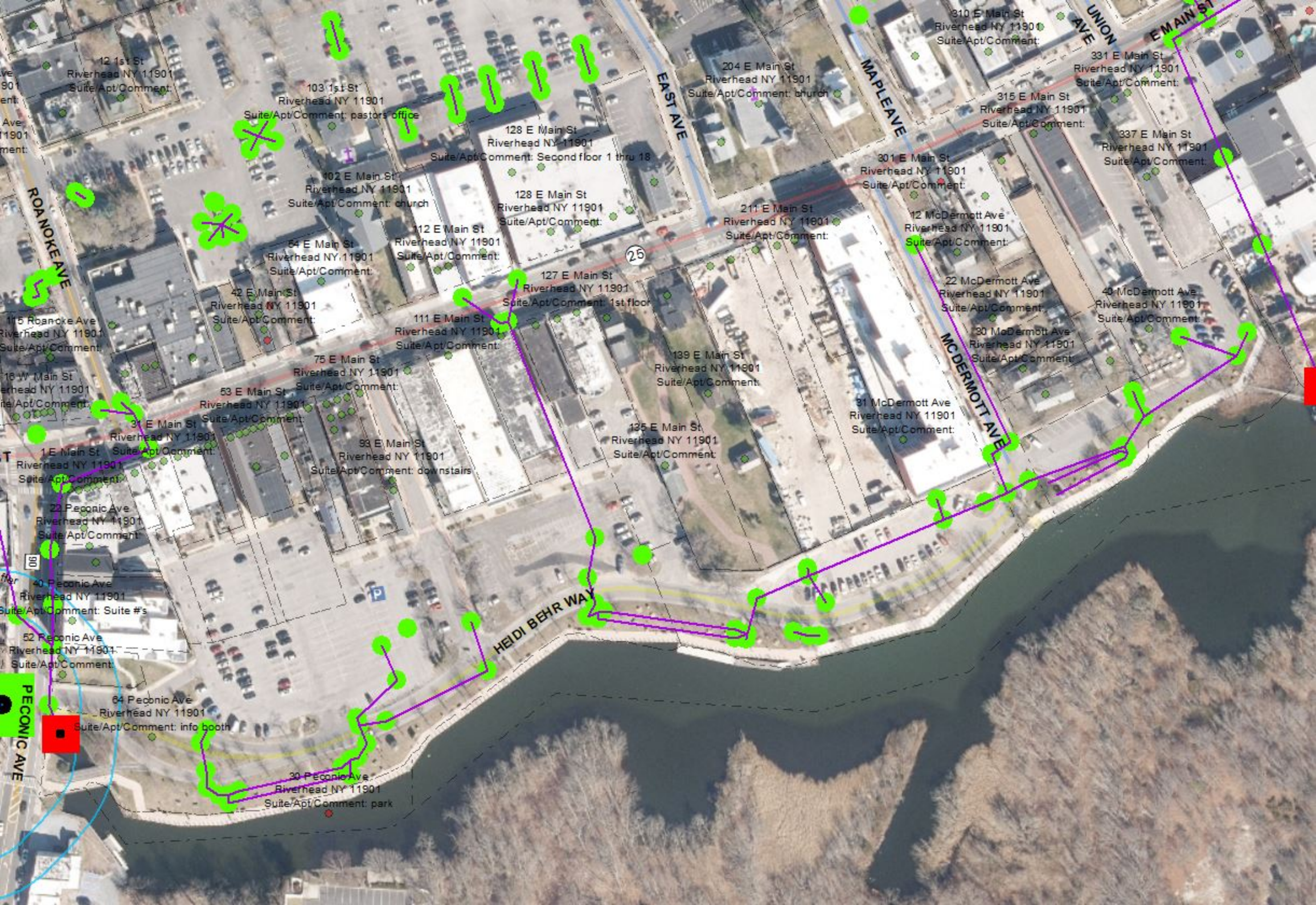
Commercial Information

Property Class	315 Underwtr Ind	Overall Eff Yr Blt	0
Used as Cd		Sewer Type	
Utilities		Overall Desire	
Overall Cond		Overall Grade	

Residential Information

Site No:

Bldg Style		Central Air		1st Story	
No. of Stories		Bsmt Type		2nd Story	
Ext Wall Mat		Bsmt Gar Cap		Addl Story	
Actual Yr Built		Overall Cond		1/2 Story	
Eff Yr Built		Exterior Cond		3/4 Story	
Yr Remodeled		Interior Cond		Fin Over Gar	
No. Kitchens		Constr Grade		Fin Attic	
Kitchen Qual.		Grade Adjust		Fin Bsmt	
No. Baths		Pct Good		Unfin 1/2	
Bath Qual		Funct Obs		Unfin 3/4	
No.Bedrooms		No.Rooms		No.Firplace	
Heat Type		Fuel Type		SFLA	


12 1st St
Riverhead NY 11901
Suite/Apt/Comment:
103 1st St
Riverhead NY 11901
Suite/Apt/Comment: pastors office
102 E Main St
Riverhead NY 11901
Suite/Apt/Comment: church
128 E Main St
Riverhead NY 11901
Suite/Apt/Comment: Second floor 1 thru 18
128 E Main St
Riverhead NY 11901
Suite/Apt/Comment:
112 E Main St
Riverhead NY 11901
Suite/Apt/Comment:
54 E Main St
Riverhead NY 11901
Suite/Apt/Comment:
42 E Main St
Riverhead NY 11901
Suite/Apt/Comment:
111 E Main St
Riverhead NY 11901
Suite/Apt/Comment:
127 E Main St
Riverhead NY 11901
Suite/Apt/Comment: 1st floor
211 E Main St
Riverhead NY 11901
Suite/Apt/Comment:
204 E Main St
Riverhead NY 11901
Suite/Apt/Comment: church
310 E Main St
Riverhead NY 11901
Suite/Apt/Comment:
331 E Main St
Riverhead NY 11901
Suite/Apt/Comment:
315 E Main St
Riverhead NY 11901
Suite/Apt/Comment:
337 E Main St
Riverhead NY 11901
Suite/Apt/Comment:
301 E Main St
Riverhead NY 11901
Suite/Apt/Comment:
12 McDermott Ave
Riverhead NY 11901
Suite/Apt/Comment:
22 McDermott Ave
Riverhead NY 11901
Suite/Apt/Comment:
30 McDermott Ave
Riverhead NY 11901
Suite/Apt/Comment:
40 McDermott Ave
Riverhead NY 11901
Suite/Apt/Comment:
31 McDermott Ave
Riverhead NY 11901
Suite/Apt/Comment:
139 E Main St
Riverhead NY 11901
Suite/Apt/Comment:
135 E Main St
Riverhead NY 11901
Suite/Apt/Comment:
75 E Main St
Riverhead NY 11901
Suite/Apt/Comment:
63 E Main St
Riverhead NY 11901
Suite/Apt/Comment:
31 E Main St
Riverhead NY 11901
Suite/Apt/Comment:
93 E Main St
Riverhead NY 11901
Suite/Apt/Comment: downstairs
1 E Main St
Riverhead NY 11901
Suite/Apt/Comment:
115 Roanoke Ave
Riverhead NY 11901
Suite/Apt/Comment:
16 W Main St
Riverhead NY 11901
Suite/Apt/Comment:
22 Peconic Ave
Riverhead NY 11901
Suite/Apt/Comment:
40 Peconic Ave
Riverhead NY 11901
Suite/Apt/Comment: Suite #'s
52 Peconic Ave
Riverhead NY 11901
Suite/Apt/Comment:
64 Peconic Ave
Riverhead NY 11901
Suite/Apt/Comment: info booth
30 Peconic Ave
Riverhead NY 11901
Suite/Apt/Comment: park
ROANOKE AVE
EAST AVE
MAPLE AVE
UNION AVE
E MAIN ST
MCDERMOTT AVE
HEIDI BEHR WAY
PECONIC AVE
25
P

Town of Riverhead
Wading River Duck Ponds and Municipal Parking Lot
2016 North Country Road Wading River, NY 11792

SCTM Number:	0600-49.-2-14 and 0600-56.-1-2

Property Size:	0.76	Acres
Building Size:	N/A	Square Feet
Parking Lot Size:	15,860	Square Feet
Parking Lot Material:	Asphalt	
Parking Lot Condition:	Fair	
Winter Road Maintenance:	Yes	

Local Water Body Present?	Yes
Waterbody Name/Type:	Freshwater Ponds
Distance to Property Line:	Adjacent

	2021	2022	2023	2024	2025	2026	2027	2028
Condition	Fair							
Swept Dates	-							
Quantity Removed (CY)	-							

Site Features			
	Yes	No	Notes
Playgrounds		X	
Ball Fields		X	
Docking Area		X	
Boater Pumpout		X	
Restroom Buildings		X	
Sanitary System		X	
Sanitary System Type	N/A		

Fertilizer and Pesiticide Usage								
Year Placed	2021	2022	2023	2024	2025	2026	2027	2028
Product Used	Fertilizer							
Total Product Used	10 lbs							
Quantity as N	-							
Quantity as P	-							

Solid Waste								
	2021	2022	2023	2024	2025	2026	2027	2028
Refuse	Yes							
Bottle Recycling	No							

Property Information

Property Class	438 Parking lot	Acres	0.53
School District	Wading River Csd #1	SCTM	49.-2-14
Location	2016 N Country Rd Wading River		

Special District Information

Code	Special District
WD347	Water ext 35
LB001	North Shore Pub Lbry
SC001	Scavenger waste dist

Owner Information

Name	Town of Riverhead
Street Address	200 Howell Ave
PO BOX	
Unit Name	
City State Zip	Riverhead NY 11901

Additional Owner Information

Name	

Sales Information

No Sale Data available

Commercial Information

Property Class		Overall Eff Yr Blt	
Used as Cd		Sewer Type	
Utilities		Overall Desire	
Overall Cond		Overall Grade	

Residential Information

Site No:

Bldg Style		Central Air		1st Story	
No. of Stories		Bsmt Type		2nd Story	
Ext Wall Mat		Bsmt Gar Cap		Addl Story	
Actual Yr Built		Overall Cond		1/2 Story	
Eff Yr Built		Exterior Cond		3/4 Story	
Yr Remodeled		Interior Cond		Fin Over Gar	
No. Kitchens		Constr Grade		Fin Attic	
Kitchen Qual.		Grade Adjust		Fin Bsmt	
No. Baths		Pct Good		Unfin 1/2	
Bath Qual		Funct Obs		Unfin 3/4	
No.Bedrooms		No.Rooms		No.Firplace	
Heat Type		Fuel Type		SFLA	

Property Information

Property Class	590 Park	Acres	0.25
School District	Wading River Csd #1	SCTM	56.-1-2
Location	N Wading River Rd Wading River		

Special District Information

Code	Special District
LB001	North Shore Pub Lbry
SC001	Scavenger waste dist
WD347	Water ext 35

Owner Information

Name	Town Of Riverhead
Street Address	200 Howell Ave
PO BOX	
Unit Name	
City State Zip	Riverhead NY 11901

Additional Owner Information

Name	

Sales Information

No Sale Data available

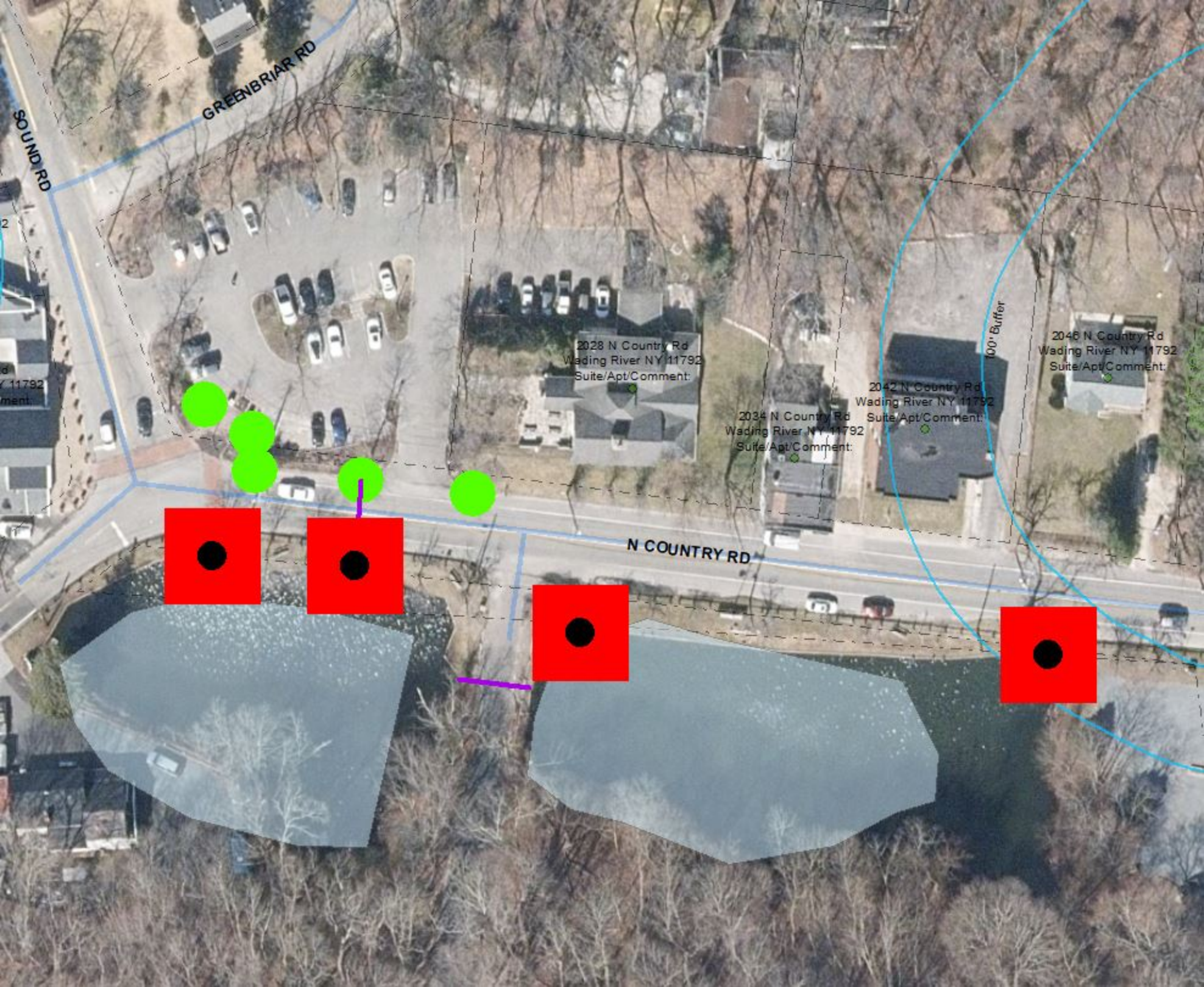
Commercial Information

Property Class		Overall Eff Yr Blt	
Used as Cd		Sewer Type	
Utilities		Overall Desire	
Overall Cond		Overall Grade	

Residential Information

Site No:

Bldg Style		Central Air		1st Story	
No. of Stories		Bsmt Type		2nd Story	
Ext Wall Mat		Bsmt Gar Cap		Addl Story	
Actual Yr Built		Overall Cond		1/2 Story	
Eff Yr Built		Exterior Cond		3/4 Story	
Yr Remodeled		Interior Cond		Fin Over Gar	
No. Kitchens		Constr Grade		Fin Attic	
Kitchen Qual.		Grade Adjust		Fin Bsmt	
No. Baths		Pct Good		Unfin 1/2	
Bath Qual		Funct Obs		Unfin 3/4	
No.Bedrooms		No.Rooms		No.Firplace	
Heat Type		Fuel Type		SFLA	


GREENBRIAR RD
SOUND RD
N COUNTRY RD
2028 N Country Rd
Wading River NY 11792
Suite/Apt/Comment:
2034 N Country Rd
Wading River NY 11792
Suite/Apt/Comment:
2042 N Country Rd
Wading River NY 11792
Suite/Apt/Comment:
2046 N Country Rd
Wading River NY 11792
Suite/Apt/Comment:
100' Buffer

Town of Riverhead
East Creek Docking Facility
69 Town Beach Road Jamesport, NY 11947

SCTM Number:	0600-94.-2-1

Property Size:	1.8	Acres
Building Size:	1,620	Square Feet
Parking Lot Size:	34,920	Square Feet
Parking Lot Material:	Blue Stone	
Parking Lot Condition:	Fair	
Winter Road Maintenance:	Yes	

Local Water Body Present?	Yes
Waterbody Name/Type:	East Creek and Peconic Bay
Distance to Property Line:	Adjacent

	2021	2022	2023	2024	2025	2026	2027	2028
Condition	Fair							
Swept Dates	Dec. - Feb.							
Quantity Removed (CY)	-							

Site Features			
	Yes	No	Notes
Playgrounds		X	
Ball Fields		X	
Docking Area	X		
Boater Pumpout		X	
Restroom Buildings	X		
Sanitary System	X		
Sanitary System Type	Septic System		

Fertilizer and Pesiticide Usage								
Year Placed	2021	2022	2023	2024	2025	2026	2027	2028
Product Used	N/A							
Total Product Used	N/A							
Quantity as N	N/A							
Quantity as P	N/A							

Solid Waste								
	2021	2022	2023	2024	2025	2026	2027	2028
Refuse	Yes							
Bottle Recycling	No							

Property Information

Property Class	570 Marina	Acres	2.00
School District	Riverhead Csd #2	SCTM	94.-2-1
Location	69 Town Beach Rd Jamesport		

Special District Information

Code	Special District
SC001	Scavenger waste dist
AM001	Rvrhd ambulance dist
LT301	Light district
FD304	Jamesport fire
WD340	Water ext 32j

Owner Information

Name	Town Of Riverhead
Street Address	200 Howell Ave
PO BOX	
Unit Name	
City State Zip	Riverhead NY 11901

Additional Owner Information

Name	

Sales Information

No Sale Data available

Commercial Information

Property Class		Overall Eff Yr Blt	
Used as Cd		Sewer Type	
Utilities		Overall Desire	
Overall Cond		Overall Grade	

Residential Information

Site No:

Bldg Style		Central Air		1st Story	
No. of Stories		Bsmt Type		2nd Story	
Ext Wall Mat		Bsmt Gar Cap		Addl Story	
Actual Yr Built		Overall Cond		1/2 Story	
Eff Yr Built		Exterior Cond		3/4 Story	
Yr Remodeled		Interior Cond		Fin Over Gar	
No. Kitchens		Constr Grade		Fin Attic	
Kitchen Qual.		Grade Adjust		Fin Bsmt	
No. Baths		Pct Good		Unfin 1/2	
Bath Qual		Funct Obs		Unfin 3/4	
No.Bedrooms		No.Rooms		No.Firplace	
Heat Type		Fuel Type		SFLA	

TOWN BEACH RD
68 Town Beach Rd
Jamesport NY 11947
Suite/Apt/Comment:
EAST
CREEK
MARINA
68 Town Beach Rd
Jamesport NY 11947
Suite/Apt/Comment:
71 Town Beach Rd
Jamesport NY 11947
Suite/Apt/Comment:
76 Town Beach Rd
Jamesport NY 11947
Suite/Apt/Comment:

Town of Riverhead
Edwards Avenue Beach Access
1846 Edwards Avenue Calverton, NY 11933

SCTM Number:	End of Edwards Avenue

Property Size:	N/A	Acres
Building Size:	N/A	Square Feet
Parking Lot Size:	4,100	Square Feet
Parking Lot Material:	Asphalt	
Parking Lot Condition:	Good	
Winter Road Maintenance:	No	

Local Water Body Present?	Yes
Waterbody Name/Type:	Long Island Sound
Distance to Property Line:	Adjacent

	2021	2022	2023	2024	2025	2026	2027	2028
Condition	Good							
Swept Dates	-							
Quantity Removed (CY)	-							

Site Features			
	Yes	No	Notes
Playgrounds		X	
Ball Fields		X	
Docking Area		X	
Boater Pumpout		X	
Restroom Buildings		X	
Sanitary System		X	
Sanitary System Type	N/A		

Fertilizer and Pesiticide Usage								
Year Placed	2021	2022	2023	2024	2025	2026	2027	2028
Product Used	N/A							
Total Product Used	N/A							
Quantity as N	N/A							
Quantity as P	N/A							

Solid Waste								
	2021	2022	2023	2024	2025	2026	2027	2028
Refuse	N/A							
Bottle Recycling	N/A							

Parcels Edge
1842 Edwards Ave
Baiting Hollow NY
Suite/Apt/Comment:
1838 Edwards Ave
Baiting Hollow NY
Suite/Apt/Comment:
1834 Edwards Ave
Baiting Hollow NY
Suite/Apt/Comment:
1844 Edwards Ave
Baiting Hollow NY
Suite/Apt/Comment:
52 Beach Way
Baiting Hollow NY
Suite/Apt/Comment:
48 Beach Way
Baiting Hollow NY
Suite/Apt/Comment:
EDWARDS AVE
45 Beach Way
Baiting Hollow NY
Suite/Apt/Comment:
49 Beach Way
Baiting Hollow NY
Suite/Apt/Comment:
1989 Edwards Ave
Baiting Hollow NY
Suite/Apt/Comment:
1985 Edwards Ave
Baiting Hollow NY
Suite/Apt/Comment:
1959 Edwards Ave

Town of Riverhead
Grangebel Park and West Main Street Comfort Station
107 West Main Street Riverhead, NY 11901

SCTM Number:	0600-128.-3-72.1

Property Size:	3.17	Acres
Building Size:	700	Square Feet
Parking Lot Size:	N/A	Square Feet
Parking Lot Material:	N/A	
Parking Lot Condition:	N/A	
Winter Road Maintenance:	N/A	

Local Water Body Present?	Yes
Waterbody Name/Type:	Peconic River
Distance to Property Line:	Within Property Lines

	2021	2022	2023	2024	2025	2026	2027	2028
Condition	N/A							
Swept Dates	N/A							
Quantity Removed (CY)	N/A							

Site Features			
	Yes	No	Notes
Playgrounds	X		Playground and Community Garden
Ball Fields		X	
Docking Area		X	
Boater Pumpout		X	
Restroom Buildings	X		
Sanitary System	X		
Sanitary System Type	Sewer District		

Fertilizer and Pesiticide Usage								
Year Placed	2021	2022	2023	2024	2025	2026	2027	2028
Product Used	Fertilizer							
Total Product Used	30 lbs							
Quantity as N	-							
Quantity as P	-							

Solid Waste								
	2021	2022	2023	2024	2025	2026	2027	2028
Refuse	Yes							
Bottle Recycling	No							

Property Information

Property Class	963 Municpl park	Acres	3.30
School District	Riverhead Csd #2	SCTM	128.-3-72.1
Location	73-79 Peconic Ave Riverhead		

Special District Information

Code	Special District
PK301	Parking
FD302	Rvrhd fire zone 1
WD301	Riverhead water
SE301	Rhd full sewer cap
LT301	Light district
AM001	Rvrhd ambulance dist
HD901	Rhd Hist District
LM001	Landmark
BD001	Bus imprvment dist1

Owner Information

Name	Town Of Riverhead
Street Address	200 Howell Ave
PO BOX	
Unit Name	
City State Zip	Riverhead NY 11901

Additional Owner Information

Name	

Sales Information

No Sale Data available

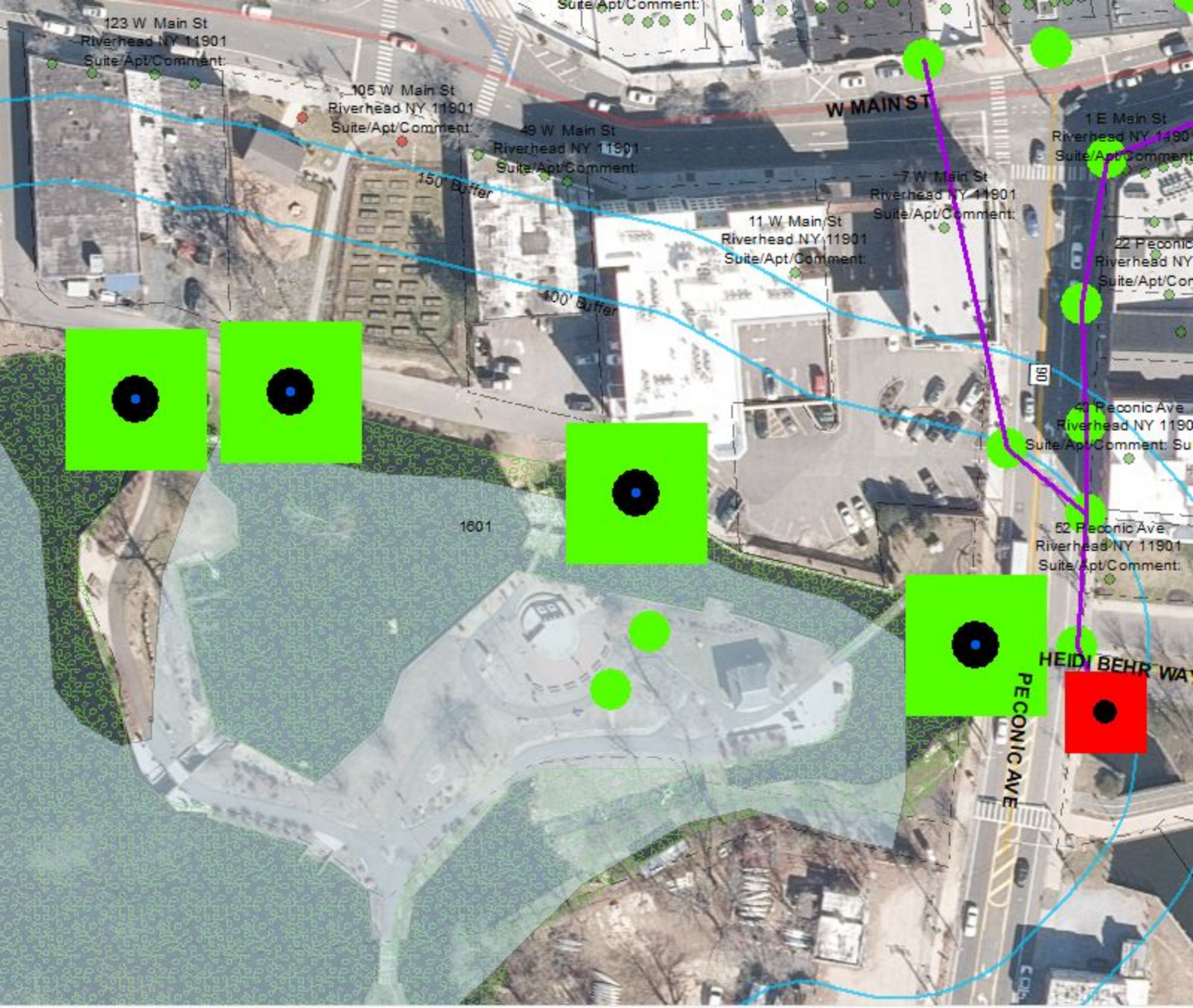
Commercial Information

Property Class		Overall Eff Yr Blt	
Used as Cd		Sewer Type	
Utilities		Overall Desire	
Overall Cond		Overall Grade	

Residential Information

Site No:

Bldg Style		Central Air		1st Story	
No. of Stories		Bsmt Type		2nd Story	
Ext Wall Mat		Bsmt Gar Cap		Addl Story	
Actual Yr Built		Overall Cond		1/2 Story	
Eff Yr Built		Exterior Cond		3/4 Story	
Yr Remodeled		Interior Cond		Fin Over Gar	
No. Kitchens		Constr Grade		Fin Attic	
Kitchen Qual.		Grade Adjust		Fin Bsmt	
No. Baths		Pct Good		Unfin 1/2	
Bath Qual		Funct Obs		Unfin 3/4	
No.Bedrooms		No.Rooms		No.Firplace	
Heat Type		Fuel Type		SFLA	


123 W Main St
Riverhead NY 11901
Suite/Apt/Comment:
105 W Main St
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Suite/Apt/Comment:
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Suite/Apt/Comment:
W MAIN ST
1 E Main St
Riverhead NY 1190
Suite/Apt/Comment
7 W Main St
Riverhead NY 11901
Suite/Apt/Comment:
11 W Main St
Riverhead NY 11901
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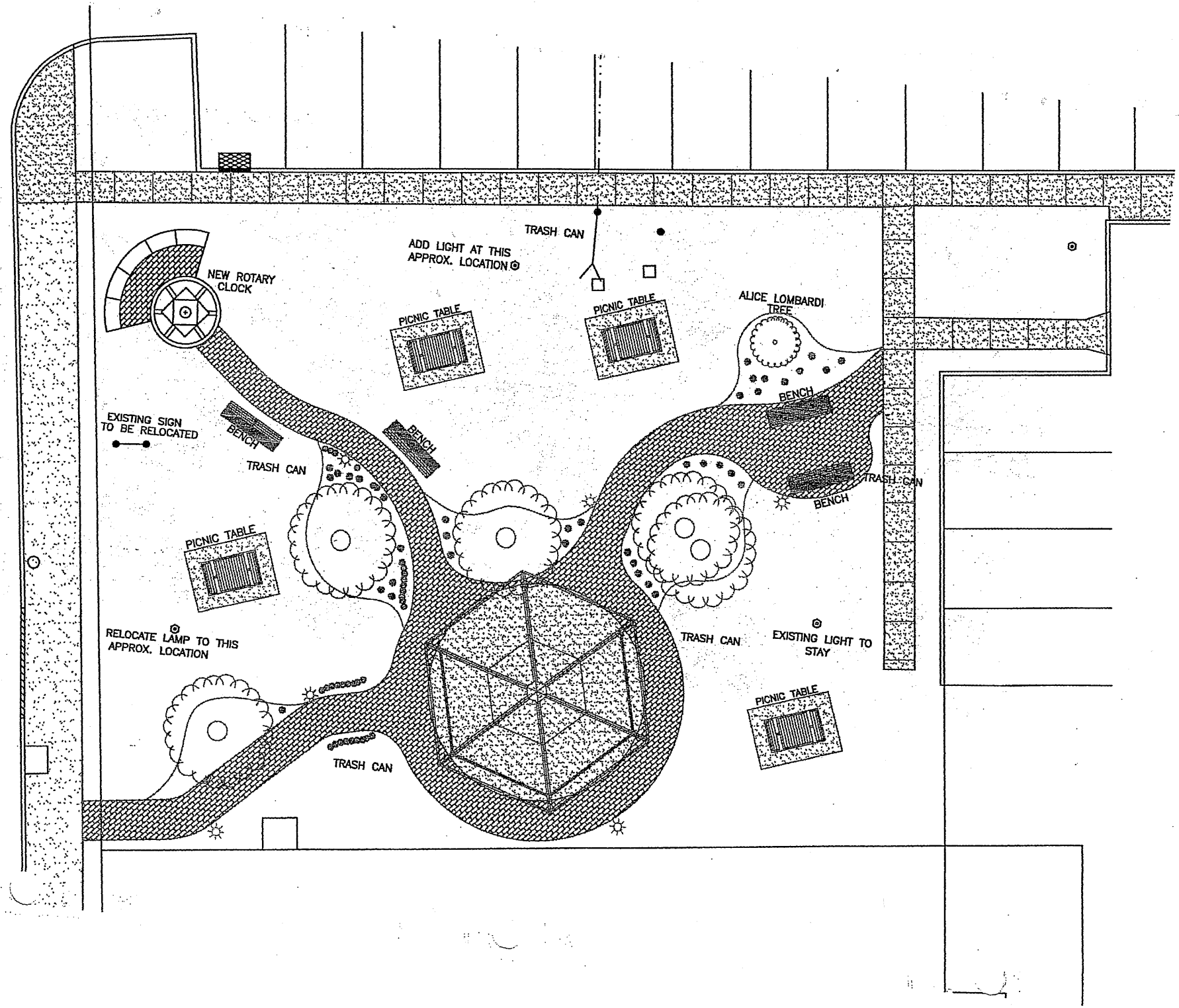
22 Peconic
Riverhead NY
Suite/Apt/Com
150' Buffer
100' Buffer
90
40 Peconic Ave
Riverhead NY 1190
Suite/Apt/Comment: Su
1601
52 Peconic Ave
Riverhead NY 11901
Suite/Apt/Comment:
HEIDI BEHR WA
PECONIC AVE


TRASH CAN
ADD LIGHT AT THIS APPROX. LOCATION
NEW ROTARY CLOCK
PICNIC TABLE
PICNIC TABLE
ALICE LOMBARDI TREE
BENCH
EXISTING SIGN TO BE RELOCATED
BENCH
BENCH
TRASH CAN
TRASH CAN
BENCH
PICNIC TABLE
RELOCATE LAMP TO THIS APPROX. LOCATION
TRASH CAN
EXISTING LIGHT TO STAY
PICNIC TABLE
TRASH CAN

Town of Riverhead
Iron Pier Beach
344 Pier Avenue Jamesport 11947

SCTM Number:	0600-8.-4-14.1

Property Size:	16.67	Acres
Building Size:	2,100	Square Feet
Parking Lot Size:	47,340	Square Feet
Parking Lot Material:	Asphalt	
Parking Lot Condition:	Fair	
Winter Road Maintenance:	Yes	

Local Water Body Present?	Yes
Waterbody Name/Type:	Long Island Sound/Frsh Wetands
Distance to Property Line:	Within property lines

	2021	2022	2023	2024	2025	2026	2027	2028
Condition	Fair							
Swept Dates	-							
Quantity Removed (CY)	-							

Site Features			
	Yes	No	Notes
Playgrounds	X		New in 2021
Ball Fields		X	
Docking Area		X	
Boater Pumpout		X	
Restroom Buildings	X		
Sanitary System	X		
Sanitary System Type	Septic System		

Fertilizer and Pesiticide Usage								
Year Placed	2021	2022	2023	2024	2025	2026	2027	2028
Product Used	N/A							
Total Product Used	N/A							
Quantity as N	N/A							
Quantity as P	N/A							

Solid Waste								
	2021	2022	2023	2024	2025	2026	2027	2028
Refuse	Yes							
Bottle Recycling	No							

Property Information

Property Class	963 Municpl park	Acres	16.60
School District	Riverhead Csd #2	SCTM	8.-4-14.1
Location	Pier Ave Jamesport		

Special District Information

Code	Special District
AM001	Rvrhd ambulance dist
FD304	Jamesport fire
LT301	Light district
SC001	Scavenger waste dist

Owner Information

Name	Town Of Riverhead
Street Address	200 Howell Ave
PO BOX	
Unit Name	
City State Zip	Riverhead NY 11901

Additional Owner Information

Name	

Sales Information

Sale Date	Deed Date	Deed Book	Deed Page	Sale Price	Sale Primary Owner
05/01/1986	05/08/1986	10033	00527	$1.00	Town Of Riverhead

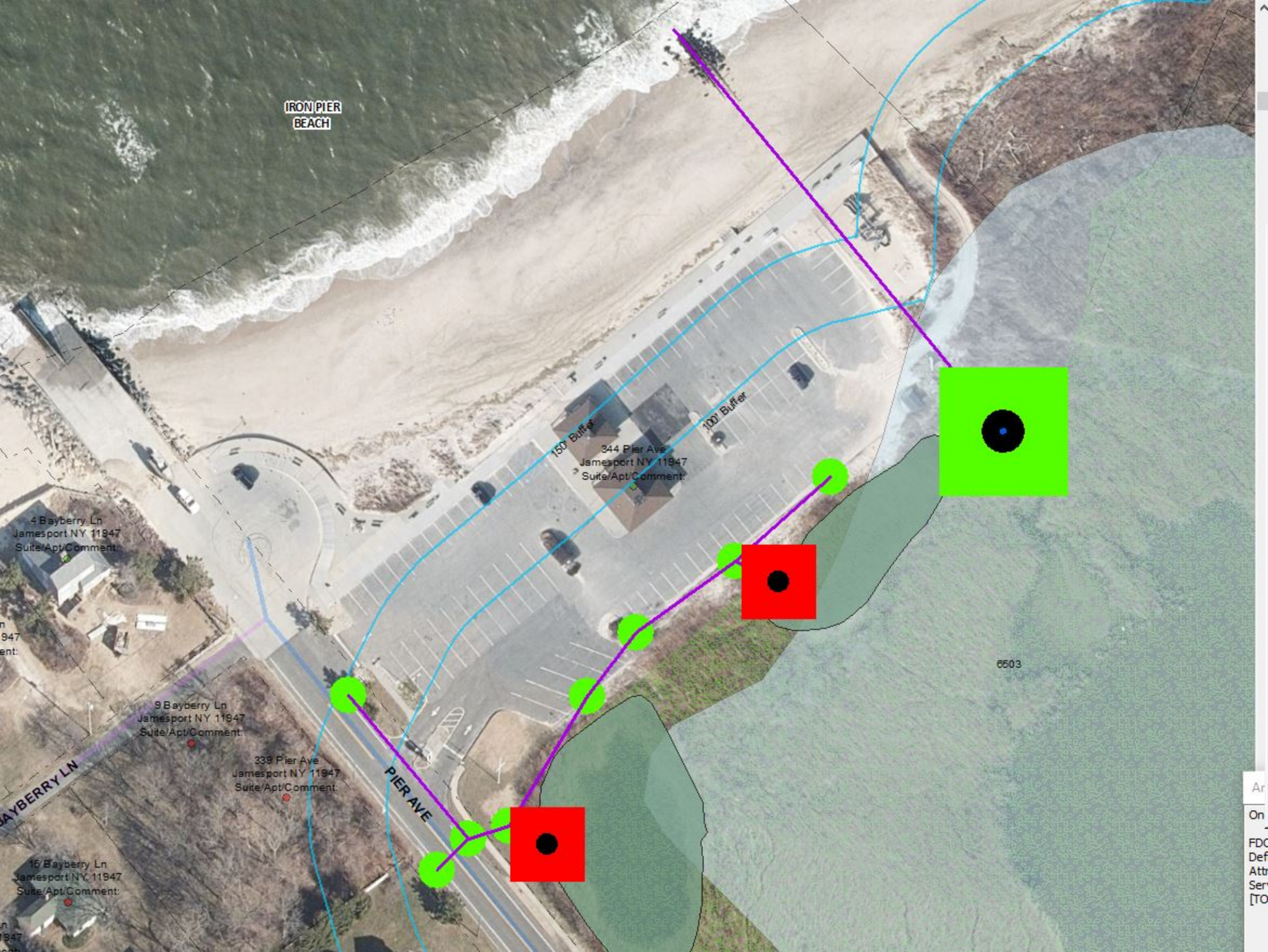
Commercial Information

Property Class	963 Municpl park	Overall Eff Yr Blt	0
Used as Cd		Sewer Type	
Utilities		Overall Desire	
Overall Cond		Overall Grade	

Residential Information

Site No:

Bldg Style		Central Air		1st Story	
No. of Stories		Bsmt Type		2nd Story	
Ext Wall Mat		Bsmt Gar Cap		Addl Story	
Actual Yr Built		Overall Cond		1/2 Story	
Eff Yr Built		Exterior Cond		3/4 Story	
Yr Remodeled		Interior Cond		Fin Over Gar	
No. Kitchens		Constr Grade		Fin Attic	
Kitchen Qual.		Grade Adjust		Fin Bsmt	
No. Baths		Pct Good		Unfin 1/2	
Bath Qual		Funct Obs		Unfin 3/4	
No.Bedrooms		No.Rooms		No.Firplace	
Heat Type		Fuel Type		SFLA	


IRON PIER
BEACH
150' Buffer
100' Buffer
344 Pier Ave
Jamesport NY 11947
Suite/Apt/Comment:
4 Bayberry Ln
Jamesport NY 11947
Suite/Apt/Comment:
9 Bayberry Ln
Jamesport NY 11947
Suite/Apt/Comment:
339 Pier Ave
Jamesport NY 11947
Suite/Apt/Comment:
16 Bayberry Ln
Jamesport NY 11947
Suite/Apt/Comment:
BAYBERRY LN
PIER AVE
6503

Town of Riverhead
Laurel Lane Beach
9 Laurel Lane Laurel, NY 11948

SCTM Number:	End of Laurel Lane

Property Size:	N/A	Acres
Building Size:	N/A	Square Feet
Parking Lot Size:	N/A	Square Feet
Parking Lot Material:	Asphalt	
Parking Lot Condition:	Good	
Winter Road Maintenance:	No	

Local Water Body Present?	Yes
Waterbody Name/Type:	Peconic Bay
Distance to Property Line:	Adjacent

	2021	2022	2023	2024	2025	2026	2027	2028
Condition	Good							
Swept Dates	-							
Quantity Removed (CY)	-							

Site Features			
	Yes	No	Notes
Playgrounds		X	
Ball Fields		X	
Docking Area		X	
Boater Pumpout		X	
Restroom Buildings		X	
Sanitary System		X	
Sanitary System Type	N/A		

Fertilizer and Pesiticide Usage								
Year Placed	2021	2022	2023	2024	2025	2026	2027	2028
Product Used	N/A							
Total Product Used	N/A							
Quantity as N	N/A							
Quantity as P	N/A							

Solid Waste								
	2021	2022	2023	2024	2025	2026	2027	2028
Refuse	N/A							
Bottle Recycling	N/A							

LAUREL LA
9 Laurel Ln
Laurel NY 11948
Suite/Apt/Comment:
conic Bay Blvd
NY 11948
t/Comment:

Town of Riverhead
Meeting House Creek Pocket Park
288 Meeting House Creek Road Aquebogue, NY 11931

SCTM Number:	0600-86.-1-41

Property Size:	0.12	Acres
Building Size:	N/A	Square Feet
Parking Lot Size:	3,524	Square Feet
Parking Lot Material:	Asphalt	
Parking Lot Condition:	Fair	
Winter Road Maintenance:	Yes	

Local Water Body Present?	Yes
Waterbody Name/Type:	Meeting House Creek
Distance to Property Line:	Adjacent

	2021	2022	2023	2024	2025	2026	2027	2028
Condition	Fair							
Swept Dates	-							
Quantity Removed (CY)	-							

Site Features			
	Yes	No	Notes
Playgrounds		X	
Ball Fields		X	
Docking Area		X	
Boater Pumpout		X	
Restroom Buildings		X	
Sanitary System		X	
Sanitary System Type	N/A		

Fertilizer and Pesiticide Usage								
Year Placed	2021	2022	2023	2024	2025	2026	2027	2028
Product Used	N/A							
Total Product Used	N/A							
Quantity as N	N/A							
Quantity as P	N/A							

Solid Waste								
	2021	2022	2023	2024	2025	2026	2027	2028
Refuse	Yes							
Bottle Recycling	No							

Property Information

Property Class	963 Municpl park	Acres	0.12
School District	Riverhead Csd #2	SCTM	86.-1-41
Location	Hubbard Ave Aquebogue		

Special District Information

Code	Special District
AM001	Rvrhd ambulance dist
WD336	Water ext 27
FD302	Rvrhd fire zone 1
LT301	Light district
SC001	Scavenger waste dist

Owner Information

Name	Town Of Riverhead
Street Address	200 Howell Ave
PO BOX	
Unit Name	
City State Zip	Riverhead NY 11901

Additional Owner Information

Name	

Sales Information

No Sale Data available

Commercial Information

Property Class	963 Municpl park	Overall Eff Yr Blt	0
Used as Cd		Sewer Type	
Utilities		Overall Desire	
Overall Cond		Overall Grade	

Residential Information

Site No:

Bldg Style		Central Air		1st Story	
No. of Stories		Bsmt Type		2nd Story	
Ext Wall Mat		Bsmt Gar Cap		Addl Story	
Actual Yr Built		Overall Cond		1/2 Story	
Eff Yr Built		Exterior Cond		3/4 Story	
Yr Remodeled		Interior Cond		Fin Over Gar	
No. Kitchens		Constr Grade		Fin Attic	
Kitchen Qual.		Grade Adjust		Fin Bsmt	
No. Baths		Pct Good		Unfin 1/2	
Bath Qual		Funct Obs		Unfin 3/4	
No.Bedrooms		No.Rooms		No.Firplace	
Heat Type		Fuel Type		SFLA	

Streets: Edge
MEETING HOUSE CREEK RD

Town of Riverhead
Miamogue Point Park
45 Front Street Jamesport, NY 11947

SCTM Number:	0600-92.-4-5

Property Size:	2.6	Acres
Building Size:	N/A	Square Feet
Parking Lot Size:	4,700	Square Feet
Parking Lot Material:	Blue Stone	
Parking Lot Condition:	Fair	
Winter Road Maintenance:	No	

Local Water Body Present?	Yes
Waterbody Name/Type:	Peconic Bay
Distance to Property Line:	Directly to the South

	2021	2022	2023	2024	2025	2026	2027	2028
Condition	Fair							
Swept Dates	N/A							
Quantity Removed (CY)	N/A							

Site Features			
	Yes	No	Notes
Playgrounds	X		Boardwalk Access to Beach
Ball Fields		X	
Docking Area		X	
Boater Pumpout		X	
Restroom Buildings		X	
Sanitary System		X	
Sanitary System Type	N/A		

Fertilizer and Pesiticide Usage								
Year Placed	2021	2022	2023	2024	2025	2026	2027	2028
Product Used	N/A							
Total Product Used	N/A							
Quantity as N	N/A							
Quantity as P	N/A							

Solid Waste								
	2021	2022	2023	2024	2025	2026	2027	2028
Refuse	Yes							
Bottle Recycling	No							

Property Information

Property Class	963 Municpl park	Acres	2.60
School District	Riverhead Csd #2	SCTM	92.-4-5
Location	45 Front St Jamesport		

Special District Information

Code	Special District
LT301	Light district
AM001	Rvrhd ambulance dist
FD304	Jamesport fire
WD340	Water ext 32j
SC001	Scavenger waste dist
HD970	S Jmpt Hist District

Owner Information

Name	Town of Riverhead
Street Address	200 Howell Ave
PO BOX	
Unit Name	
City State Zip	Riverhead NY 11901

Additional Owner Information

Name	

Sales Information

Sale Date	Deed Date	Deed Book	Deed Page	Sale Price	Sale Primary Owner
04/10/2008	04/21/2008	12548	231	$2,000,000.00	Town of Riverhead
08/16/1996	09/12/1996	11792	015	$272,000.00	Fort Pat Motel Inc
04/01/1986	05/16/1986	10038	00597	$325,000.00	Pafundi, Victor

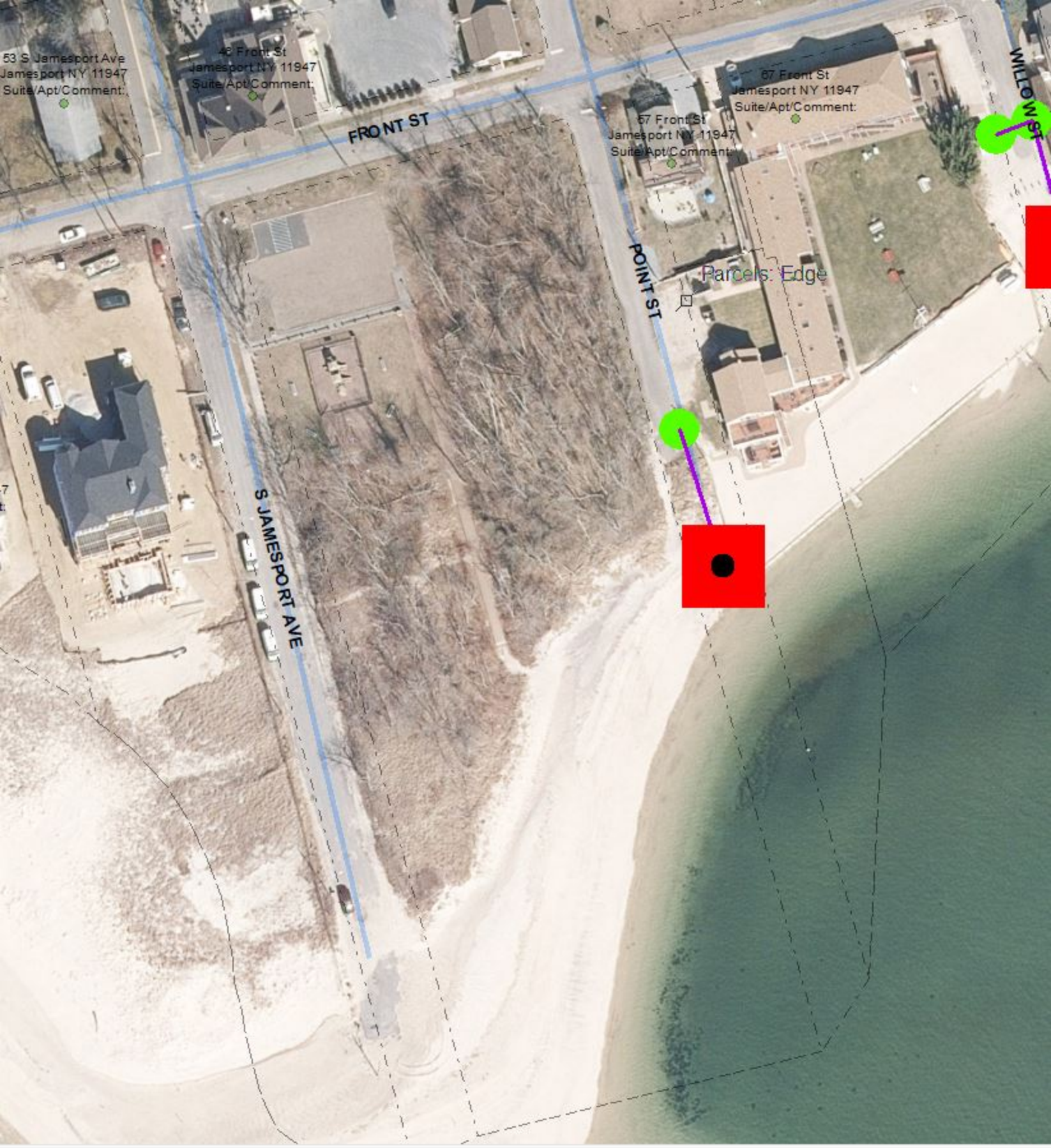
Commercial Information

Property Class	963 Municpl park	Overall Eff Yr Blt	0
Used as Cd		Sewer Type	
Utilities	Gas & elec	Overall Desire	
Overall Cond		Overall Grade	

Residential Information

Site No:

Bldg Style		Central Air		1st Story	
No. of Stories		Bsmt Type		2nd Story	
Ext Wall Mat		Bsmt Gar Cap		Addl Story	
Actual Yr Built		Overall Cond		1/2 Story	
Eff Yr Built		Exterior Cond		3/4 Story	
Yr Remodeled		Interior Cond		Fin Over Gar	
No. Kitchens		Constr Grade		Fin Attic	
Kitchen Qual.		Grade Adjust		Fin Bsmt	
No. Baths		Pct Good		Unfin 1/2	
Bath Qual		Funct Obs		Unfin 3/4	
No.Bedrooms		No.Rooms		No.Firplace	
Heat Type		Fuel Type		SFLA	


53 S Jamesport Ave
Jamesport NY 11947
Suite/Apt/Comment:
46 Front St
Jamesport NY 11947
Suite/Apt/Comment:
67 Front St
Jamesport NY 11947
Suite/Apt/Comment:
67 Front St
Jamesport NY 11947
Suite/Apt/Comment:
FRONT ST
WILLOW ST
POINT ST
S JAMESPORT AVE
Parcels: Edge

Town of Riverhead
Reeve's Beach
260 Park Road Riverhead, NY 11901

SCTM Number:	0600-16.-1-16

Property Size:	13.22	Acres
Building Size:	1,020	Square Feet
Parking Lot Size:	18,840	Square Feet
Parking Lot Material:	Asphalt	
Parking Lot Condition:	Good	
Winter Road Maintenance:	Yes	

Local Water Body Present?	Yes
Waterbody Name/Type:	Long Island Sound
Distance to Property Line:	Adjacent

	2021	2022	2023	2024	2025	2026	2027	2028
Condition	Good							
Swept Dates	Dec. - Feb.							
Quantity Removed (CY)	-							

Site Features			
	Yes	No	Notes
Playgrounds		X	
Ball Fields		X	
Docking Area		X	
Boater Pumpout		X	
Restroom Buildings	X		
Sanitary System	X		Upgraded to Nitrogen Reducing System in 2019
Sanitary System Type	Septic System		

Fertilizer and Pesiticide Usage								
Year Placed	2021	2022	2023	2024	2025	2026	2027	2028
Product Used	N/A							
Total Product Used	N/A							
Quantity as N	N/A							
Quantity as P	N/A							

Solid Waste								
	2021	2022	2023	2024	2025	2026	2027	2028
Refuse	Yes							
Bottle Recycling	No							

Property Information

Property Class	311 Res vac land	Acres	13.60
School District	Riverhead Csd #2	SCTM	16.-1-16
Location	Reeves Park Riverhead		

Special District Information

Code	Special District
WD335	Water ext 23
FD302	Rvrhd fire zone 1
SC001	Scavenger waste dist
AM001	Rvrhd ambulance dist
LT301	Light district

Owner Information

Name	Riverhead Town Park
Street Address	200 Howell Ave
PO BOX	
Unit Name	
City State Zip	Riverhead NY 11901

Additional Owner Information

Name	

Sales Information

No Sale Data available

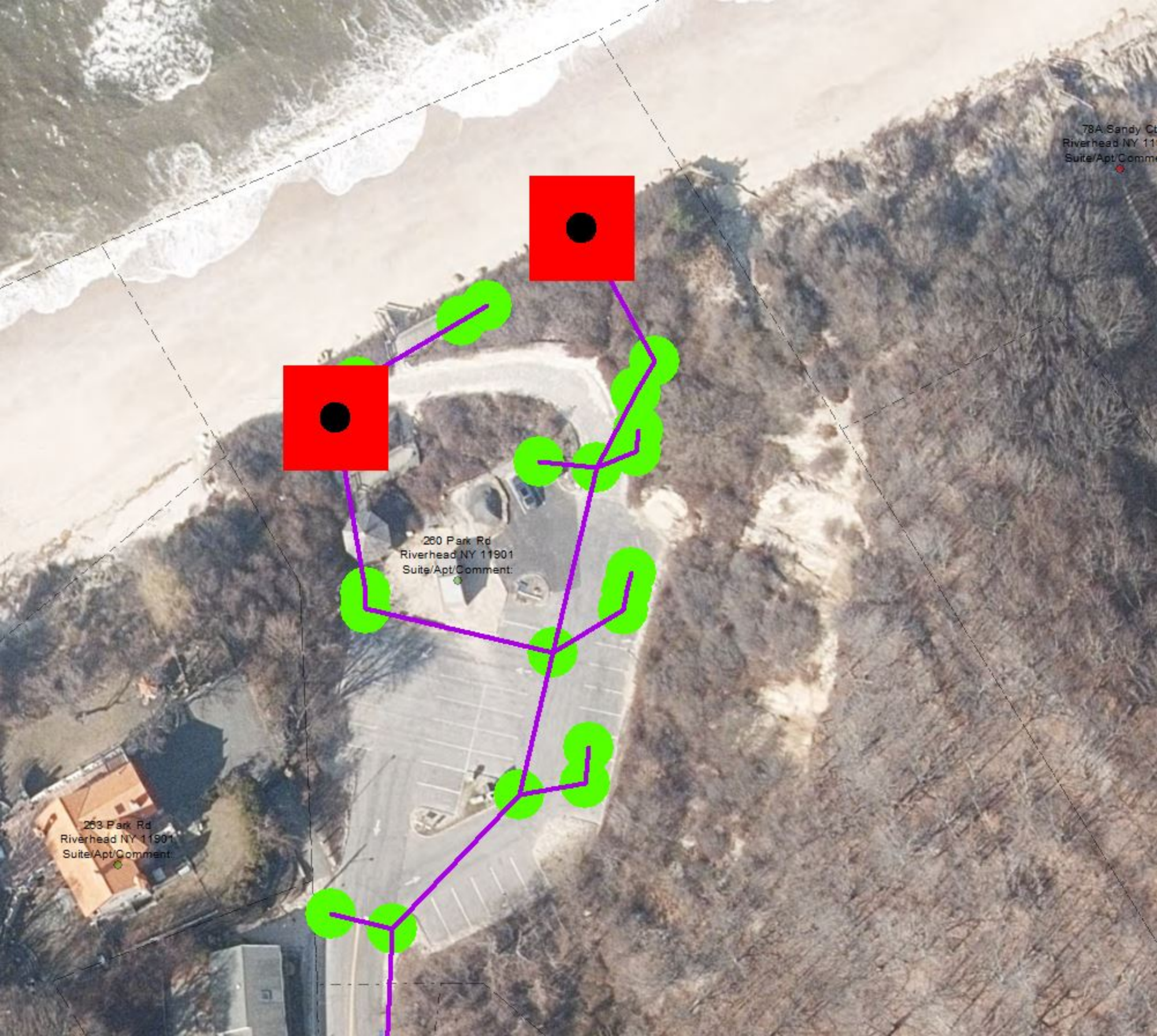
Commercial Information

Property Class	311 Res vac land	Overall Eff Yr Blt	0
Used as Cd		Sewer Type	
Utilities	Electric	Overall Desire	
Overall Cond		Overall Grade	

Residential Information

Site No:

Bldg Style		Central Air		1st Story	
No. of Stories		Bsmt Type		2nd Story	
Ext Wall Mat		Bsmt Gar Cap		Addl Story	
Actual Yr Built		Overall Cond		1/2 Story	
Eff Yr Built		Exterior Cond		3/4 Story	
Yr Remodeled		Interior Cond		Fin Over Gar	
No. Kitchens		Constr Grade		Fin Attic	
Kitchen Qual.		Grade Adjust		Fin Bsmt	
No. Baths		Pct Good		Unfin 1/2	
Bath Qual		Funct Obs		Unfin 3/4	
No.Bedrooms		No.Rooms		No.Firplace	
Heat Type		Fuel Type		SFLA	


260 Park Rd
Riverhead NY 11901
Suite/Apt/Comment:
263 Park Rd
Riverhead NY 11901
Suite/Apt/Comment:

Town of Riverhead
Roanoke Avenue Beach
North End of Roanoke Avenue

SCTM Number:	060015.-1-3

Property Size:	1.3	Acres
Building Size:	N/A	Square Feet
Parking Lot Size:	8,900	Square Feet
Parking Lot Material:	Asphalt	
Parking Lot Condition:	Satisfactory	
Winter Road Maintenance:	No	

Local Water Body Present?	Yes
Waterbody Name/Type:	Long Island Sound
Distance to Property Line:	Adjacent to the North

	2021	2022	2023	2024	2025	2026	2027	2028
Condition	Satisfactory							
Swept Dates	N/A							
Quantity Removed (CY)	N/A							

Site Features			
	Yes	No	Notes
Playgrounds		X	
Ball Fields		X	
Docking Area		X	
Boater Pumpout		X	
Restroom Buildings		X	
Sanitary System		X	
Sanitary System Type	N/A		

Fertilizer and Pesiticide Usage								
Year Placed	2021	2022	2023	2024	2025	2026	2027	2028
Product Used	N/A							
Total Product Used	N/A							
Quantity as N	N/A							
Quantity as P	N/A							

Solid Waste								
	2021	2022	2023	2024	2025	2026	2027	2028
Refuse	Yes							
Bottle Recycling	No							

Property Information

Property Class	311 Res vac land	Acres	1.60
School District	Riverhead Csd #2	SCTM	15.-3-1
Location	Roanoke Ave Riverhead		

Special District Information

Code	Special District
WD335	Water ext 23
AM001	Rvrhd ambulance dist
LT301	Light district
FD302	Rvrhd fire zone 1
SC001	Scavenger waste dist

Owner Information

Name	Town of Riverhead
Street Address	200 Howell Ave
PO BOX	
Unit Name	
City State Zip	Riverhead NY 11901

Additional Owner Information

Name	

Sales Information

No Sale Data available

Commercial Information

Property Class	311 Res vac land	Overall Eff Yr Blt	0
Used as Cd		Sewer Type	
Utilities	Electric	Overall Desire	
Overall Cond		Overall Grade	

Residential Information

Site No:

Bldg Style		Central Air		1st Story	
No. of Stories		Bsmt Type		2nd Story	
Ext Wall Mat		Bsmt Gar Cap		Addl Story	
Actual Yr Built		Overall Cond		1/2 Story	
Eff Yr Built		Exterior Cond		3/4 Story	
Yr Remodeled		Interior Cond		Fin Over Gar	
No. Kitchens		Constr Grade		Fin Attic	
Kitchen Qual.		Grade Adjust		Fin Bsmt	
No. Baths		Pct Good		Unfin 1/2	
Bath Qual		Funct Obs		Unfin 3/4	
No.Bedrooms		No.Rooms		No.Firplace	
Heat Type		Fuel Type		SFLA	

2721 Roanoke Ave
Riverhead NY 11901
Suite/Apt/Comment:
2715 Roanoke Ave
Riverhead NY 11901
Suite/Apt/Comment:
ROANOKE AVE
3 Waterview Ct
Riverhead NY 11901
Suite/Apt/Comment:

Town of Riverhead
South Jamesport Beach Boat Launch
1207 Peconic Bay Boulevard Jamesport, NY 11947

SCTM Number:	0600-94.-1-7

Property Size:	16.83	Acres
Building Size:	N/A	Square Feet
Parking Lot Size:	129,541	Square Feet
Parking Lot Material:	Asphalt	
Parking Lot Condition:	Poor	
Winter Road Maintenance:	Yes	

Local Water Body Present?	Yes
Waterbody Name/Type:	East Creek
Distance to Property Line:	Adjacent

	2021	2022	2023	2024	2025	2026	2027	2028
Condition	Poor							
Swept Dates	Dec.-Feb.							
Quantity Removed (CY)	-							

Site Features			
	Yes	No	Notes
Playgrounds		X	
Ball Fields		X	
Docking Area	X		
Boater Pumpout	X		Holding Tank Maintained by Sewer
Restroom Buildings		X	
Sanitary System		X	
Sanitary System Type	N/A		

Fertilizer and Pesiticide Usage								
Year Placed	2021	2022	2023	2024	2025	2026	2027	2028
Product Used	N/A							
Total Product Used	N/A							
Quantity as N	N/A							
Quantity as P	N/A							

Solid Waste								
	2021	2022	2023	2024	2025	2026	2027	2028
Refuse	Yes							
Bottle Recycling	No							

Property Information

Property Class	570 Marina	Acres	17.40
School District	Riverhead Csd #2	SCTM	94.-1-7
Location	1207 Peconic Bay Blvd Jamesport		

Special District Information

Code	Special District
WD340	Water ext 32j
SC001	Scavenger waste dist

Owner Information

Name	Town Of Riverhead
Street Address	200 Howell Ave
PO BOX	
Unit Name	
City State Zip	Riverhead NY 11901

Additional Owner Information

Name	

Sales Information

No Sale Data available

Commercial Information

Property Class		Overall Eff Yr Blt	
Used as Cd		Sewer Type	
Utilities		Overall Desire	
Overall Cond		Overall Grade	

Residential Information

Site No:

Bldg Style		Central Air		1st Story	
No. of Stories		Bsmt Type		2nd Story	
Ext Wall Mat		Bsmt Gar Cap		Addl Story	
Actual Yr Built		Overall Cond		1/2 Story	
Eff Yr Built		Exterior Cond		3/4 Story	
Yr Remodeled		Interior Cond		Fin Over Gar	
No. Kitchens		Constr Grade		Fin Attic	
Kitchen Qual.		Grade Adjust		Fin Bsmt	
No. Baths		Pct Good		Unfin 1/2	
Bath Qual		Funct Obs		Unfin 3/4	
No.Bedrooms		No.Rooms		No.Firplace	
Heat Type		Fuel Type		SFLA	

HOLLY TREE LA
PECONIC BAY BLVD
1204 Peconic Bay Blvd
Jamesport NY 11947
Suite/Apt/Comment:
1198 Peconic Bay Blvd
Jamesport NY 11947
Suite/Apt/Comment:
1231 Peconic Bay Blvd
Jamesport NY 11947
Suite/Apt/Comment:
1207 Peconic Bay Blvd
Jamesport NY 11947
Suite/Apt/Comment:

Town of Riverhead
South Jamesport Beach
71 Town Beach Road Jamesport, NY 11947

SCTM Number:	0600-69.-3-39

Property Size:	18.47	Acres
Building Size:	1,000	Square Feet
Parking Lot Size:	45,220	Square Feet
Parking Lot Material:	Asphalt	
Parking Lot Condition:	Fair	
Winter Road Maintenance:	Yes	

Local Water Body Present?	Yes
Waterbody Name/Type:	Peconic Bay
Distance to Property Line:	Adjacent

	2021	2022	2023	2024	2025	2026	2027	2028
Condition	Fair							
Swept Dates	Dec. - Feb.							
Quantity Removed (CY)	-							

Site Features			
	Yes	No	Notes
Playgrounds	X		
Ball Fields	X		Tennis, Pickelball, and Basketball Courts
Docking Area		X	
Boater Pumpout		X	
Restroom Buildings	X		
Sanitary System	X		
Sanitary System Type	Septic System		

Fertilizer and Pesiticide Usage								
Year Placed	2021	2022	2023	2024	2025	2026	2027	2028
Product Used	N/A							
Total Product Used	N/A							
Quantity as N	N/A							
Quantity as P	N/A							

Solid Waste								
	2021	2022	2023	2024	2025	2026	2027	2028
Refuse	Yes							
Bottle Recycling	No							

Property Information

Property Class	560 Imprvd beach	Acres	19.00
School District	Riverhead Csd #2	SCTM	69.-3-39
Location	Peconic Bay Blvd Jamesport		

Special District Information

Code	Special District
WD340	Water ext 32j
FD304	Jamesport fire
SC001	Scavenger waste dist
AM001	Rvrhd ambulance dist
LT301	Light district

Owner Information

Name	Town Of Riverhead
Street Address	200 Howell Ave
PO BOX	
Unit Name	
City State Zip	Riverhead NY 11901

Additional Owner Information

Name	

Sales Information

No Sale Data available

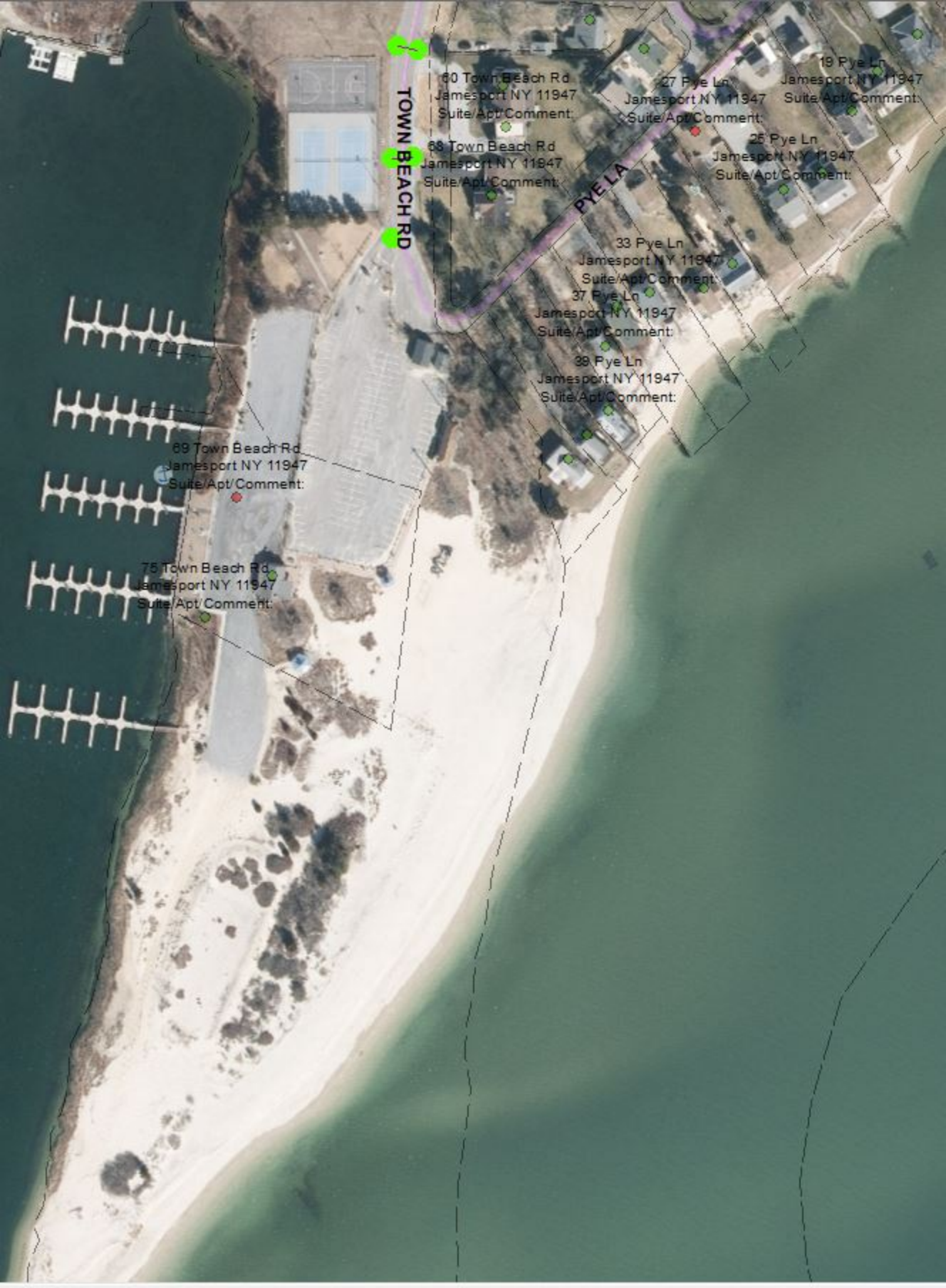
Commercial Information

Property Class		Overall Eff Yr Blt	
Used as Cd		Sewer Type	
Utilities		Overall Desire	
Overall Cond		Overall Grade	

Residential Information

Site No:

Bldg Style		Central Air		1st Story	
No. of Stories		Bsmt Type		2nd Story	
Ext Wall Mat		Bsmt Gar Cap		Addl Story	
Actual Yr Built		Overall Cond		1/2 Story	
Eff Yr Built		Exterior Cond		3/4 Story	
Yr Remodeled		Interior Cond		Fin Over Gar	
No. Kitchens		Constr Grade		Fin Attic	
Kitchen Qual.		Grade Adjust		Fin Bsmt	
No. Baths		Pct Good		Unfin 1/2	
Bath Qual		Funct Obs		Unfin 3/4	
No.Bedrooms		No.Rooms		No.Firplace	
Heat Type		Fuel Type		SFLA	


TOWN BEACH RD
PYE LA
60 Town Beach Rd
Jamesport NY 11947
Suite/Apt/Comment:
68 Town Beach Rd
Jamesport NY 11947
Suite/Apt/Comment:
27 Pye Ln
Jamesport NY 11947
Suite/Apt/Comment:
19 Pye Ln
Jamesport NY 11947
Suite/Apt/Comment:
25 Pye Ln
Jamesport NY 11947
Suite/Apt/Comment:
33 Pye Ln
Jamesport NY 11947
Suite/Apt/Comment:
37 Pye Ln
Jamesport NY 11947
Suite/Apt/Comment:
39 Pye Ln
Jamesport NY 11947
Suite/Apt/Comment:
69 Town Beach Rd
Jamesport NY 11947
Suite/Apt/Comment:
75 Town Beach Rd
Jamesport NY 11947
Suite/Apt/Comment:

Town of Riverhead
Wading River Beach
230 Creek Road Wading River, NY 11792

SCTM Number:	0600-24.-1-18.1

Property Size:	1.26	Acres
Building Size:	N/A	Square Feet
Parking Lot Size:	17,320	Square Feet
Parking Lot Material:	Asphalt	
Parking Lot Condition:	Good	
Winter Road Maintenance:	No	

Local Water Body Present?	Yes
Waterbody Name/Type:	Long Island Sound
Distance to Property Line:	Adjacent to the North

	2021	2022	2023	2024	2025	2026	2027	2028
Condition	Good							
Swept Dates	N/A							
Quantity Removed (CY)	N/A							

Site Features			
	Yes	No	Notes
Playgrounds	X		Picnic Area and Gazebo
Ball Fields		X	
Docking Area		X	
Boater Pumpout		X	
Restroom Buildings	X		
Sanitary System	X		
Sanitary System Type	Septic System		

Fertilizer and Pesiticide Usage								
Year Placed	2021	2022	2023	2024	2025	2026	2027	2028
Product Used	N/A							
Total Product Used	N/A							
Quantity as N	N/A							
Quantity as P	N/A							

Solid Waste								
	2021	2022	2023	2024	2025	2026	2027	2028
Refuse	Yes							
Bottle Recycling	No							

Property Information

Property Class	963 Municpl park	Acres	1.26
School District	Wading River Csd #1	SCTM	24.-1-18.1
Location	Creek Rd Wading River		

Special District Information

Code	Special District
SC001	Scavenger waste dist
LB001	North Shore Pub Lbry
WD347	Water ext 35

Owner Information

Name	Town Of Riverhead
Street Address	200 Howell Ave
PO BOX	
Unit Name	
City State Zip	Riverhead NY 11901

Additional Owner Information

Name	

Sales Information

No Sale Data available

Commercial Information

Property Class	963 Municpl park	Overall Eff Yr Blt	0
Used as Cd		Sewer Type	
Utilities		Overall Desire	
Overall Cond		Overall Grade	

Residential Information

Site No:

Bldg Style		Central Air		1st Story	
No. of Stories		Bsmt Type		2nd Story	
Ext Wall Mat		Bsmt Gar Cap		Addl Story	
Actual Yr Built		Overall Cond		1/2 Story	
Eff Yr Built		Exterior Cond		3/4 Story	
Yr Remodeled		Interior Cond		Fin Over Gar	
No. Kitchens		Constr Grade		Fin Attic	
Kitchen Qual.		Grade Adjust		Fin Bsmt	
No. Baths		Pct Good		Unfin 1/2	
Bath Qual		Funct Obs		Unfin 3/4	
No.Bedrooms		No.Rooms		No.Firplace	
Heat Type		Fuel Type		SFLA	

230 Creek Rd
Wading River NY 11792
Suite/Apt/Comment:
2 Oak St
Wading River NY 11792
Suite/Apt/Comment:
8 Oak St
Wading River NY 11
Suite/Apt/Comme
WADING
RIVER
BEACH
224 Creek Rd
Wading River NY 11792
Suite/Apt/Comment:
220 Creek Rd
Wading River NY 11792
Suite/Apt/Comment:
OAK ST
Streets: Edge
SOUND RD

APPENDIX E
CONSTRUCTION ACTIVITY CODE ADOPTION AND PROCEDURES FOR SWPPP REVIEWS AND INSPECTIONS

E.1 TOWN CODE AMENDMENTS

On December 18, 2007, the Town of Riverhead adopted local law for the addition of "Chapter 110 – Stormwater Management and Erosion and Sediment Control Regulations" of the Riverhead Town Code. Chapter 110 was modeled after the State policies and procedures for Site Developers to prepare a Storm Water Pollution Prevention Plan (SWPPP) for review by the Town of Riverhead. The local law was then modified in December 2008, to outline fees, and escrow accounts to be set up for the review and inspection of these sites as they become developed.

Purpose of This Document

The purpose of this document is to provide instructions for reviewing a Storm Water Pollution Prevention Plan (SWPPP) for stormwater discharges from construction activities. This outline identifies required components of SWPPPs, provides examples of narratives, forms, schedules and maps required for a SWPPP, and introduces the reference documents utilized in this process.

The flow chart in Figure 1 identifies conditions in which various components of the SWPPP must be prepared. If a site is required to have a full SWPPP, this plan must be expanded to meet all the requirements of the water quality and quantity sizing criteria outlined in the New York State Stormwater Management Design Manual (August 2010) (Design Manual). New York State Standards and Specifications for Erosion and Sediment Control (August 2005) (Blue Book) is the recommended document for the design of erosion and sediment control practices. All the reference documents pertaining to New York State (NYS) technical standards along with other useful guidance documents are provided either on the New York State Department of Environmental Conservation (NYSDEC) web site or listed at the end of this document.

The NYSDEC Central Office (Dave Gasper (518) 402-8114) or Region 1 Office (Sara Dorman (631) 444-0425) may be contacted for questions about the Construction General Permit and the associated Notice Of Intent (NOI) and Notice Of Termination (NOT) forms. The Stormwater Interactive Map (http://www.dec.ny.gov/pubs/42937.html) may be used to look up some basic geographic information such as site coordinates, the locations of TMDL and 303(d) impaired water bodies and whether a municipality is required to maintain an MS4 permit or not.

What is a Construction Permit NOI?

Stormwater discharges from construction activities, that disturb one or more acres of land must obtain a permit. The NOI discussed in this document is the means to obtain coverage under the NYSDEC State Pollutant Discharge Elimination System (SPDES) General Permit for Stomwater Discharges from Construction Activity (Permit No. GP-0-10-001) (General Permit). The NOI is also used for transition between General Permit renewals.

The NOI is a 10 page form which summarizes key information provided in a SWPPP. This information includes contact information for the site operator, contact information for those maintaining the site during both construction and the post-construction period, the Water Quality Volume (WQV) for the site and peak runoff rates for the one, ten and 100 year storms during both the pre- and post-construction periods.

A completed NOI must be submitted with the SWPPP. The General Permit and the NOI are posted on the NYSDEC's web site (http://www.dec.ny.gov/chemical/43133.html).

Who Must File A Notice of Intent Form?

The United States Environmental Protection Agency (USEPA) prohibits point source discharges of stormwater to waters of the United States without a permit issued under the National Pollutant Discharge Elimination System (NPDES). The NYSDEC is delegated by the USEPA to

administer its State Pollutant Discharge Elimination System (SPDES) program in lieu of USEPA's NPDES program. The operator of a stormwater discharge which qualifies for coverage under the General Permit must submit a completed NOI form in order to obtain permit coverage. The General Permit specifies possible restrictions on eligibility of coverage.

What is a SWPPP?

A SWPPP is a plan for controlling runoff and pollutants from a site during and after construction activities. The principle objective of a SWPPP is to comply with the General Permit by planning and implementing the following practices:

- Reduction or elimination of erosion and sediment loading to waterbodies during construction;
- Control of the impact of stormwater runoff on the water quality of the receiving waters;
- Control of the increased volume and peak rate of runoff during and after construction;
- Maintenance of stormwater controls during and after completion of construction.

A well-designed SWPPP requires proper selection, sizing and siting of stormwater management practices to protect water resources from stormwater impacts. Erosion and sediment controls and water quantity and water quality controls are inter-related components of a SWPPP.

What is the Process for Preparing an NOI?

The process starts before the submittal of an NOI with the development of a SWPPP and identification of the required plan elements for the proposed project.

Step 1. Identify plan components:

Use the flow chart in Figure 1 and the accompanying instructions to identify required SWPPP components. All sites are required to prepare an Erosion and Sediment Control Plan (ESCP) component to control the stormwater discharge during construction. The flow chart helps identify if Water Quantity Control or Water Quality Control Plan (WQWQCP) components are required.

Step 2. SWPPP Preparation:

A SWPPP is developed for each individual site by collecting appropriate data and conducting a site visit and evaluation of the specific site. All components of a SWPPP should be prepared and incorporated in the site plan prior to submittal to the local reviewing agency. If the development project is phased, the SWPPP must include the entire site incorporate long-term provisions for the larger plan. The details of each component of the SWPPP must be provided in narratives, tables, schedules, maps, and construction drawings, as appropriate. PLEASE INSERT WHO CAN PREPARE A SWPPP HERE

A SWPPP must be ready for implementation before an NOI is completed. The SWPPP is valid only if development of the lot proceeds in accordance with state, county or local laws and the regulations governing sediment control, land use, flood control, and environmental impact.

Step 3. NOI Preparation:

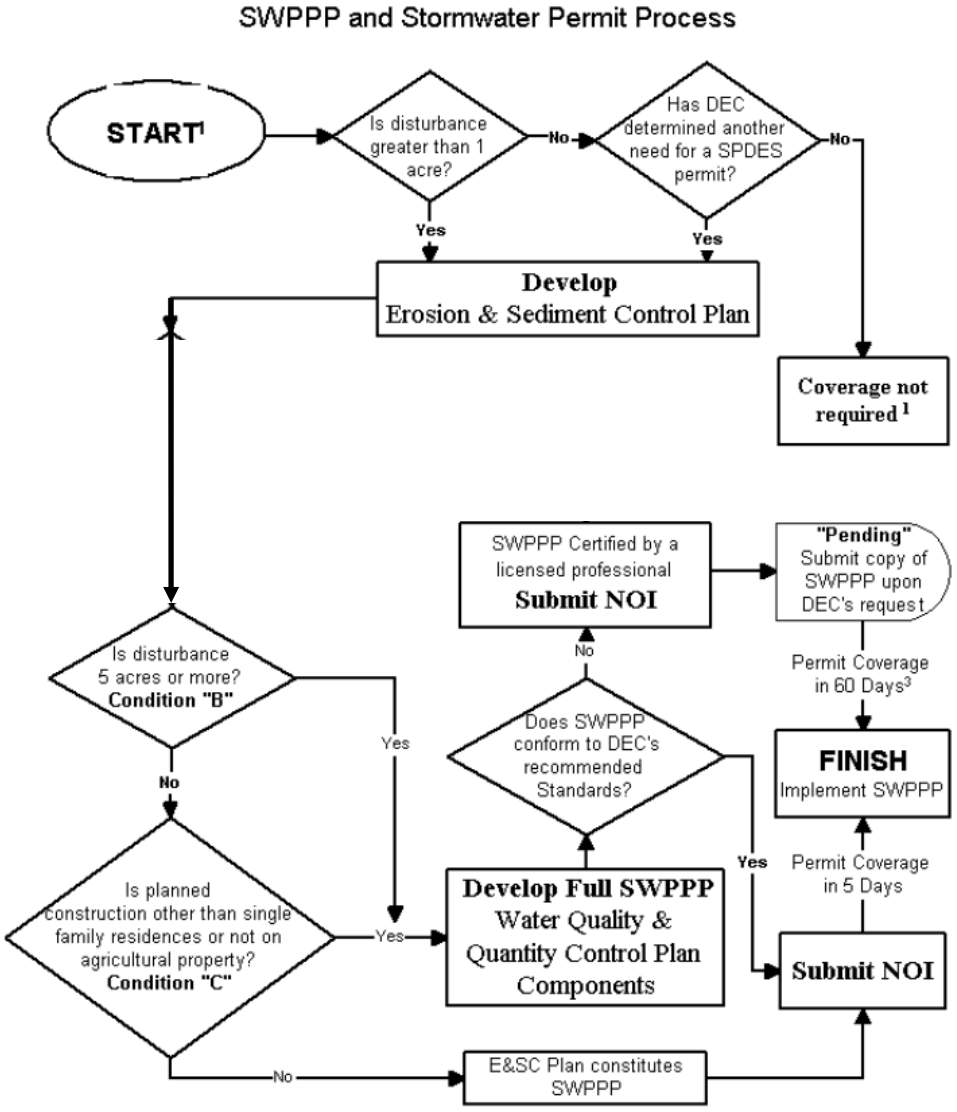
The form is available on-line in an electronic form at http://www.dec.ny.gov/docs/water_pdf/noipgr10.pdf.

Step 4. Implement the SWPPP:

The plan is only effective if implemented and updated as necessary. The site plan and SWPPP must be accessible at all times for inspection. Construction may begin upon receiving a letter of acknowledgmentfrom the NYSDEC issuing a permit identification number.

Step 5. Terminate the coverage:

When the project is completed and the site is stabilized, the coverage must be terminated. To cancel coverage under the General Permit, a NOT form must be completed and submitted to the NYSDEC. MS4s must sign the NOT certifying that it is acceptable for the owner or operator of a construction project to submit the NOT to the NYSDEC. The determination to certify the NOT may be reached by a Town final site inspection or by accepting the Qualified Inspector's final inspection certification(s) required by the General Permit. The principal executive officer, ranking elected official, or duly authorized representative (see Part VI.J. of the General Permit) shall document their determination by signing the “MS4 Acceptance” statement on the NOT. Failure to submit an NOT will result in the billing of annual regulatory fees.



NOTES:

1. Under any of the above conditions other environmental permits may be required. DEC may require permit for construction disturbance < 1 acre on a case by case basis.
2. **and** the following exists: construction and/or stormwater discharges from the construction or post-construction site contain the pollutant of concern identified in the TMDL or 303(d) listing.
3. After receipt by DEC of completed application.

Figure 1- Stormwater Pollution Prevention Plan Component Flow Chart

Identifying required components of SWPPP and Stormwater Permit process

Start:

Is disturbance at least one acre?

No_ If the planned land disturbance is smaller than one acre and NYSDEC has not determined another need for a General permit, coverage will not be required. If another SPDES permit or other environmental permit are required for this site, NYSDEC may require a construction permit as well. For more information on other permits visit the Uniform Procedure Act (UPA)'s web site (http://www.dec.ny.gov/permits/6081.html) or contact the NYSDEC Region 1 Office (Sara Dorman (631) 444-0425).

Yes_ All sites with at least one acre disturbance are required to prepare and implement an Erosion and Sediment Control Plan (ESCP).

Does the site disturb more than five acres of land?

Yes_ **Condition B:** Prepare a Water Quality and Quantity Control plan (WQWQCP) in addition to an ESCP.

No_Go to next question

Is the site planned for construction other than single family residential or not on agricultural property?

Yes_ Small construction activity that disturbs between 1 and 5 acres and is planned for land uses indicated in Table 2 of the General Permit such as: town houses, apartment complexes, institutional (places of worship, schools, hospital, government offices, police and fire stations), industrial or commercial development, must prepare WQWQCP components in addition to ESCP.

No_ Any construction activity that disturbs between 1 and 5 acres and is planned for land uses indicated in Table 1 of the General Permit such as: Single-family residential homes or construction on agricultural properties need an Erosion and Sediment Control Plan only. The ESCP is considered a SWPPP for small sites.

Submit NOI: Construction may start 5 business days after the date indicated in the NYSDEC letter acknowledging receipt of the NOI.

Appendix E of the General Permit lists the 303(d) segments impaired by pollutants that are related to construction activity.

Basics of a Stormwater Pollution Prevention Plan

At a minimum, the SWPPP must include the information required in the General Permit. Applicants who decide to deviate from NYS technical standards need to prepare their plans according to the format, scale and calculation details identified in this chapter.
A SWPPP may be organized in the following format:

A. Narrative Report describes the general information about the site and the planned project.

B. Maps are used to illustrate the location of the features and technical details of the site.

C. Plan Components:

Erosion and Sediment Control
Water Quality Control
Water Quantity Control

D. Construction Sequence Schedule is a schedule of ESC and construction activities to be implemented during and after construction.

To conform with NYSDEC's technical standards, practices must be designed according to the specifications documented in the Design Manual for water quality and quantity sizing criteria and performance standards. ESC practices must be designed according to Blue Book standards.

The following is a list of principles that an applicant should consider when developing their SWPPP.
These principles are used in the plan review and evaluation of the SWPPP.

Sound Planning Principles

Planning**:**
• Plan the development to fit the site
• Identify limitations of site in planning process
• Minimize clearing and grading
• Blend perimeter grading with adjoining properties
• Keep soil disturbance to smallest area or a few acres at a time
• Follow the label instructions when using manufactured products

Natural Features:
• Maintain vegetative cover of new constructed practices
• Protect waterbodies, wetlands, wildlife & natural resources
• Protect existing natural features and cultural resources and structures
• Utilize the resources and physical features of the site in the design of stormwater controls
• Avoid disturbance of sensitive areas and valuable resources (vegetative, water, wetlands)

Soil:
• Avoid disturbing steep slopes (Soil Slope Phase of E or F from the USDA Soil Survey for Suffolk County)

• Take extra measures when disturbing highly erodible soil (silt and fine sands).
• Minimize disturbing soils with low depth to bedrock
• Avoid unnecessary compaction
• Avoid infiltration practices on soils with low infiltration rates (less than 0.5”/hr).

Drainage:
• Consider drainage limitations in areas with seasonal high groundwater levels
• Try to maintain the natural drainage systems instead of constructing closed systems
• If construction of closed conveyance systems is necessary, design to convey peak flows for 10-year, 24 hour storms
• Divide the site into natural drainage areas
• Divert the runoff from outside drainage
• Control the impact of the site to downstream areas

Post-Construction Control:
• Implement techniques to prevent point discharge, provide on-site runoff control and replicate pre-construction hydrology for 1yr, 10 yr and 100 yr 24 hour storms:
• Zero runoff leaving site from impervious areas
• Minimize total impervious area
• Consider porous pavement if applicable
• Disconnect rooftops
• Disconnect impervious areas
• Flatten slope
• Increase flow path
• Increase sheet flow
• Increase roughness
• Infiltration swales
• Conserve natural areas
• Vegetative filter strips
• Vegetated open channels

A. The Narrative Report

1. Provide applicant information such as name, legal address and phone number on the cover sheet.
2. Provide address and complete description of the site along with background information about the scope of the project.
3. Provide a statement of stormwater management objectives.
4. Provide a brief description of pre-development conditions:
   a. Identify the natural drainage areas and drainage points.
   b. Name the bodies of waters and wetlands and describe the drainage structures on the site or impacted by the site.
   c. Identify critical and environmentally sensitive areas such as highly erodible areas, steep slopes, natural resource conservation areas, and wildlife habitats.

d. Identify utility lines, easements, water supply wells, and sewage treatment systems
e. Identify soil type:
__ General description (texture, permeability, drainage capacity)
__ Hydrologic Soil Group (HSG) for hydrologic calculations

4. Describe the future site

Provide a brief description of planned post-development conditions, the stormwater runoff quality and quantity comparing to pre-development conditions, and the measures employed to maintain a safe stormwater discharge:

a. The proposed development and the scope of the SWPPP.
b. Disturbed area in acres
c. Duration of activity, from__/__/__ to __/__/__(inclusive of planned winter shutdowns)
d. Acreage, location and boundaries of proposed impervious area
e. Future utility lines, easements, water supply wells, and sewage treatment system
f. Define environmentally sensitive areas that will be protected from disturbance
g. Define the divide lines of drainage areas in the future site according to proposed changes.
h. The SWPPP should include the following pollution prevention measures:
__ Identify the plan for preventing litter, construction chemicals, and construction debris exposed to stormwater from becoming a pollutant source in storm water discharges (e.g., screening outfalls, picked up daily); and
__ Describe how construction and waste materials will be stored on-site and the controls planned to reduce pollutants from these materials, including storage practices to minimize exposure of the materials to stormwater, and spill prevention and response.
i. If the site discharges to a TMDL or 303d segment, it is the responsibility of the applicants to identify the requirements and accommodate them in the SWPPP.
j. The responsible person(s) for implementation of the SWPPP and inspection. The plan must identify the contractor(s) and subcontractor(s) responsible for each measure and include a signed contractor certification statement.
k. An updated plan must include copies of the written summaries of compliance status that are prepared quarterly. The updated plan and required reports must be signed / certified by the permittee.

B. Maps

Attach individual maps.

1. Provide, at minimum, a 1:24,000 scale map that identifies:
__ location of the site
__ topography
__ offsite drainage area
__ bodies of water in the vicinity of the site

2. Provide a 1”=50’ to 1”=100’ map that shows the **existing** condition of the site including:
__ contour lines
__ drainage area
__ structures
__ natural resources and vegetative cover
__ waterbodies, streams perennial and intermittent

3. Provide individual map(s) based on the requirement of each component of the SWPPP to show all the above features for the **future** condition of the site:

__ final grading, areas of cuts and fills and change of land cover
__ future utility lines, easements, water supply wells, and sewage treatment systems
__ locations of off-site material, waste, borrow or equipment storage areas
__ points of stormwater discharge, flow patterns and discharges to a surface water
1 2
__ all proposed practices: E&SC, water quality controls and water quantity controls
__ boundaries of existing predominant vegetation and proposed limits of clearing

C. Plan Components

The three components of a SWPPP are: Erosion and Sediment Control; Water Quality Control and
Quantity Control. The flow chart in Figure 1 can be used to determine the required components.

EROSION AND SEDIMENT CONTROL

A generic E&SC plan may be utilized for minor grading activities associated with small construction activities. Any sites with an approved standard grading plan also require an E&SC plan designed for the site at the same time as the grading plan development. The following describes basic steps in preparing an E&SC plan. A complete set of design specifications and maintenance requirements of all the E&SC practices may be found in the Department's technical standards for erosion and sedimentation control NY Standards for Erosion and Sediment Control.
Follow construction sequence scheduling. The sequence of actions in an E&SC plan is runoff control, stabilization, and then sediment control. The management practices used in each phase of
the plan must be identified on the Construction Sequence Schedule and appropriate maps.
Erosion and sediment control provisions should be included for all construction activities where any excavation, stripping, filling, grading or earth movement takes place. Provide dimensional details of proposed practices. The details must include plan and vertical view (cross sectional design) calculations used in the sizing and justification for the siting of selected practices.

Step 1: Pre-Construction Actions

Resource Protection

__ Evaluate, mark and protect important trees and associated rooting zones, wetlands, on-site septic systems absorption fields, etc.
__ Protect existing vegetated areas suitable for filter strips, especially in perimeter areas.

Surface Water Protection

__ Identify the drainage area in the plan. Divide the site into natural drainage areas.
__ Divert the off-site clean runoff from entering disturbed areas.
__ Identify bodies of water located either on site or in the vicinity of the site.
__ Plan appropriate practices to protect on-site or downstream surface water.

Stabilize Construction Entrance

__ Establish a temporary construction entrance to capture mud and debris from construction vehicles before they enter the public highway.
__ Stabilize bare areas (entrances, construction routes, equipment parking areas) immediately as work takes place. Top these areas with gravel or maintain vegetative cover.
1 3
__ Sediment tracked onto public streets should be removed or cleaned on a daily basis.

Perimeter Sediment Controls

__ Silt fence material and installation comply with the standard drawing and specifications.
__ Install silt fences based on appropriate spacing intervals. Decrease this interval as the slope increases. Silt fence should be placed on or parallel to contours where there is no concentration of water flowing to the silt fence and where erosion occurs in the form of sheet erosion. The area below the silt fence should be undisturbed ground.
__ Install principal basins after construction site is assessed.
__ Install additional sediment traps and barriers as needed during grading.

Step 2: Runoff and Drainage Control

Runoff Control

__ Install practices after sediment traps are installed and before land grading starts.
__ Control the runoff in each small drainage area before flow reaches runoff from entire site.
__ Divert offsite or clean runoff from disturbed areas.
__ Convey surface flows from highly erodible soil and steep slopes to more suitable stable areas.
__ Runoff from existing or proposed cut and fill slopes should be redirected to lower water velocity without causing erosion.
__ Final site drainage should be designed to prevent erosion, concentrated flows to adjacent properties, uncontrolled overflow, and ponding.

Runoff Conveyance System

__ Stabilize conveyance system.
__ Channels and streambanks need to be seeded at the outlet points.
__ Install check dams to slow down the velocity of concentrated flow.
__ Protect existing natural drainage systems and streams by maintaining vegetative buffers and by
implementing other appropriate practices.

Groundwater Recharge

__ Install practices to infiltrate the runoff on the site as much as possible.
__ Provide groundwater recharge to maintain the hydrologic regime of the downstream water bodies and simulate predevelopment hydrology.
__ Use infiltration practices to prevent concentrated flows.

Outlet stabilization

__ Install practices to prevent erosion at discharge points.

Step 3: Grading

__ Limit the initial clearing and earth disturbance to that necessary to install sediment control measures. Excavation for footings, clearing, or other earth disturbance may only take place after the sediment and erosion controls are installed.
__ Stockpile the topsoil removed from the site. The topsoil should be protected, stabilized and sited in a location away from the storm drains and waterbodies.
__ Changes in grade or removal of vegetation should not disturb established buffers and should not be allowed within any regulated distance from wetlands, the high water line of a body of water affected by tidal action, or other such protected zones.

__ Avoid disturbance of steep slopes.
__ An undisturbed buffer should be maintained to control runoff from steep slopes within sensitive areas.
__ Proposed grading should not impair existing surface drainage resulting in a potential erosion hazard impacting adjacent land or waterbodies.

Step 4: Erosion Control (Stabilization)
__ Implement erosion control practices to keep the soil in place.
__ Stabilization should be completed immediately for the surface of all perimeter controls and perimeter slopes.
__ When activities temporarily cease during construction, soil stockpiles and exposed soil should be stabilized by seed, mulch or other appropriate measures as soon as possible, but in no case more than 14 days after construction activity has ceased.
__ Following initial soil disturbance or re-disturbance, permanent or temporary, stabilization should be completed within 14 days or as soon as possible.
__ Apply temporary or permanent stabilization measures immediately on all disturbed areas where work is delayed or completed.
__ Consult the local Soil and Water Conservation District for proper timing and application rate of seed, fertilizer and mulch.
Step 5: Sediment Control
__ At any location where surface runoff from disturbed or graded areas may flow off the construction area, sediment control measures must be installed to prevent sediment from being transported off site. No grading, filling or other disturbance is allowed within existing drainage swales.
__ Swales or other areas that transport concentrated flow should be appropriately stabilized.
__ Downspout or sump pump discharges must have acceptable outfalls that are protected by splash blocks, sod, or piping as required by site conditions (i.e., no concentrated flow directed over fill slopes).
Step 6: Maintenance and Inspection
__ Identify the type, number and frequency of maintenance actions required for stormwater management and erosion control during construction and for permanent practices that remain on the site once construction is finalized.
__ Inspection must be indicated on the Construction Sequence Schedule. Inspection must be performed every 7 calendar days and immediately after periods of rainfalls greater than 0.5 inch.
__ Inspection, must verify that all practices are adequately operational, maintained properly and that sediment is removed from all control structures.
__ Inspection, must look for evidence of the soil erosion on the site, potential of pollutants entering drainage systems, problems at discharge points (such as turbidity in receiving water), and signs of soil and mud transport from the site to the public road at the entrance.
1 5
__ Routine maintenance must be identified on the schedule and performed on a regular basis and as soon as a problem is identified.
__ Identify the person or entities responsible for conducting the maintenance actions during construction and post-construction.
__ Retain a copy of the inspection and quarterly reports on-site with the SWPPP.
Step 7: Finalize Grading & Landscaping
__ Identify the final grading and stabilization plan once the construction is completed.
__ All open areas, including borrow and spoil areas must be stabilized.
__ Plan a permanent top soil, seed, sod, mulch, riprap or other stabilization practices in the remaining
disturbed areas as appropriate.

__ Stabilization must be undertaken no later than 14 days after construction activity has ceased except as noted in the GP-02-01.
__ Remove the temporary control measures.

Step 8: Post Construction Controls:

__ Identify the permanent structural or non-structural practices that will remain on the site.
__ Ensure that the permanent structural or non-structural practices utilized during construction are
properly designed to suit the post-construction site conditions.
__ In finalizing the plan, evaluate the post-construction runoff condition on the site.
__ Minimize the risk of concentrated flow and erosion.
__ On-site runoff controls help reduce the risk of increased runoff velocity, erosion and point source
discharge. In addition to the standard runoff and erosion control practices identified in NY Standards for Erosion and Sediment Control, some of the techniques discussed under on-site runoff control discussion may be applied.

Note:

If you are required to prepare only an Erosion and Sediment Control plan component, fill out the Construction Sequence Schedule. This will finalize your SWPPP.

If you are required to prepare a Water Quality and Quantity Control plan component, proceed to **Water Quality and Water Quantity Control Plan** discussion.

On-site Runoff Control

To minimize concentrated flow from a small site a few runoff control techniques may be implemented. These provisions help prevent point discharge and provide on-site runoff control by
infiltration. The goal is to minimize runoff and replicate pre-construction hydrology. The implemented techniques allow runoff from impervious areas to be infiltrated into the soil or filtered
by overland flow or other mechanisms. A sensible site design is possible by taking advantage of infiltration capacity of the pervious area of the site. Depending on site-specific situations, on-site management of stormwater runoff can be accomplished by a combination of the following approaches. For guidance on specific designs of these practices, consult the following web site: www.stormwatercenter.net15. Under “Manual Builder”, guidance is provided under “stormwater credits”

Conserve Natural Areas:

• Minimize total impervious area
• Conserve forest retention areas, wetlands and buffers
• Conserve lands in/on flood plains, steep slopes and open space

Disconnect Impervious Areas

• Disconnect rooftops drainage
• Disconnect other impervious areas
• Install grid pavers

Sheet Flow to Buffers

• Increase roughness
• Vegetative filter strips
• Flatten slope

• Increase flow path
• Increase sheet flow with level spreader

Use Open Channels

• Vegetated open channels
• Infiltration swales
• Install check dams

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Water Quantity and Water Quantity Control Plan

A Water Quality and Water Quantity Control Plan must be designed to meet NYSDEC's required sizing criteria and pollutant removal goals. These criteria are fully presented in the Chapter 4 and Chapter 5 of NYS Stormwater Management Design Manual. The following provides a list of information and calculations required for completing the water quality and quantity components of the SWPPP. The outline of the following plan may also be used by those who choose to deviate from NYSDEC's standards.

Water Quality and Quantity Plan Details

Select stormwater management practices from the list of approved practices in the Chapter 5 of the Design manual that suit the future condition of the site. Identify a list of selected practices along with a brief description and siting information. Location of these practices must also be identified on a map. The SWPPP must provide dimensional details of proposed practices and include summary tables of corresponding calculations for the design of the selected practices. Use Appendix H of the Design Manual for an example checklist for final stormwater management plan preparation.

Mapping requirements:

__ Ensure that in addition to the general features identified previously, maps prepared for the site illustrate at a minimum:

o Existing and proposed topography (minimum of 2-foot contours recommended)
o Mapping of predominant soils from USDA soil surveys as well as location of any sitespecific borehole investigations that may have been performed.
o Location of existing and proposed conveyance systems such as grass channels, swales, and storm drains and flow paths
o Location of floodplain/floodway limits and relationship of site to upstream and downstream properties and drainages
o Location and dimensions of proposed channel modifications, such as bridge or culvert crossings
o Location, size, maintenance access, and limits of disturbance of proposed structural stormwater management practices

__ Prepare representative cross-section and profile drawings and details of structural stormwater management practices and conveyances (i.e., storm drains, open channels, etc.). Drawings should include:

o Existing and proposed structural elevations (e.g., invert of pipes, manholes, etc.)
o Design water surface elevations
o Structural details of outlet structures, embankments, spillways, stilling basins, grade control structures, conveyance channels, etc.

o Logs of borehole investigations that may have been performed along with supporting geotechnical report.

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Hydrologic and hydraulic analysis:

Conduct a hydrologic and hydraulic analysis for all structural components of the stormwater system (e.g., storm drains, open channels, swales, management practices, etc.) for applicable design storms. The analysis should include:

__ Existing condition analysis for time of concentrations, runoff rates, volumes, velocities, and water surface elevations showing methodologies used and supporting calculations

__ Proposed condition analysis for time of concentrations, runoff rates, volumes, velocities, water surface elevations, and routing showing the methodologies used and supporting calculations

__ Final sizing calculations for structural stormwater management practices including contributing drainage area, storage, and outlet configuration:

o Sizing for Water Quality (WQv) Control: Size the selected practices based on the 90% rule methodology defined in the Chapter 4 of the Design Manual. Identify the numeric values and provide calculations for:

WQv = [(P)(Rv)(A)] /12

Rv = 0.05+0.009(I)

I = Impervious Cover (Percent)

Minimum Rv = 0.2

P = 90% Rainfall Event Number (See Figure 4.1)

A = site area in acres

o Sizing for Water Quantity Controls:

__Channel Protection (Cpv), Default Criterion: Cpv = 24-hour extended detention of post-developed, 1-year, 24-hour storm event.

__Channel Protection, Option for Sites Larger than 50 Acres: Distributed Runoff Control - geomorphic assessment to determine the bankfull channel characteristics and thresholds for channel stability and bedload movement.

o Sizing for Overbank Flood (Qp): Control the peak discharge from the 10-year storm to 10-year pre-development rates.

o Sizing for Extreme Storm (Qf): Control the peak discharge from the 100-year storm to 100-year pre-development rates. Safely pass the 100-year storm event.

Note: The requirements for channel protection, overbank flood, and extreme storm controls may not be necessary when stormwater discharges to large streams or lakes. Generally, stormwater discharges to stream of the fourth order or larger will not require the stormwater quantity controls on with direct discharge to streams of fourth order or larger. For guidance on identification of stream order refer to the Design Manual or visit Stormwater Construction Toolbox, More Tools for additional information.

__ Stage-discharge or outlet rating curves and inflow and outflow hydrographs for storage facilities (e.g., stormwater ponds and wetlands)

__ Final analysis of potential downstream impact/effects of project, where necessary

__ Dam breach analysis, where necessary

Finalize landscaping:

__ Final landscaping plans for structural stormwater management practices and any site

reforestation or revegetation
__ Provide structural calculations and construction specification, where necessary

Maintenance plan:

Maintenance plan must include:
__ Name, address, and phone number of responsible parties for maintenance.
__ Description of annual maintenance tasks
__ Description of applicable easements
__ Description of funding source
__ Minimum vegetative cover requirements
__ Access and safety issues
__ Testing and disposal of sediments that will likely be necessary
__ Evidence of acquisition of all applicable local and non-local permits
__ Evidence of acquisition of all necessary legal agreements (e.g., easements, covenants, land trusts)

D. Schedule 1- Construction Sequence Scheduling

Prepare a schedule for activities during and after construction. Define the sequence of implementing the E&SC and water quality / quantity control practices identified in your SWPPP. This schedule must identify activities during the period prior to soil disturbance through site stabilization. Also identify the inspection and maintenance measures during and after construction. Quantity of practices may be identified by the number of units or any other type of measures identified in the SWPPP. All the planned activities should be marked on corresponding maps. A copy of the schedule along with the maps should be available at the construction site.

Type	**Activities (Identify name of planned practices)**	Number			

Companion Documents:
__New York State Stormwater Management Design Manual
__New York Standards and Specifications for Erosion and Sediment Control
__Reducing the Impacts of Stormwater

Runoff from New Development

5.2 EVALUATING AND MEASURING PROGRESS

The Town will keep an inventory of all reviewed SWPPPS, how many requested revisions each one had and when it was approved. The amount of contractor training seminars will be quantified. In 2008, the Town passed legislation that allowed for the collection of fees to pay both Town staff as well as outside consultants to review SWPPPS and conduct site inspections.

6.6 ANNUAL REPORTING

The annual reporting period ends March 9 of each year. The annual report must be sent to the DEC by June 1 of each reporting year. For MCM 4, the Town will supply the DEC with the following information:

- If the Town has adopted a law that provides equal protection to the NYS SPDES General Permit
- Does that Town have a SWPPP review procedure in place
- How many SWPPPS have been reviewed in the reporting period
- Does the Town have a mechanism for receipt and consideration of public comments related to construction SWPPPs
- Does the Town provide education and training for contractors about the local SWPPP process
- Identify the types of enforcement actions used during the reporting period for construction activities.
- How many projects have been authorized for disturbances of one acre or more.
- How many construction projects disturbing at least one acre were active in your jurisdiction during this reporting period
- What percent of active construction sites were inspected during this reporting period
- What percent of active construction sites were inspected more than once.

Do all inspectors working for the Town use the NYS Construction Stormwater Inspection Manual

APPENDIX F

ILLICIT DISCHARGE DETECTION AND ELIMINATION CODE ADOPTION PROCEDURES TRACKING OUTFALL RECONNAISSANCE

CHAPTER 109 STORM SEWERS

[HISTORY: Adopted by the Town Board of the Town of Riverhead as indicated in article histories. Amendments noted where applicable.
Editor's Note: Former Ch. 109, Moratorium on Residential Development, adopted 11-5-2003 by L.L. No. 22-2003, as amended, was repealed 10-2-2007 by L.L. No. 30-2007.
]

GENERAL REFERENCES

Agricultural lands preservation — See Ch. 44.

Bays and creeks — See Ch. 47.

Docks and wharves — See Ch. 56.

Flood damage prevention — See Ch. 65.

Waterways — See Ch. 106.

Tidal and freshwater wetlands — See Ch. 107.

Stormwater management and erosion and sediment control — See Ch. 110.

ARTICLE I Illicit Discharges and Connections (§ 109-1 — § 109-24)

[Adopted 12-18-2007 by L.L. No. 45-2007]

§ 109-1 Legislative intent.

The purpose of this article is to provide for the health, safety and general welfare of the residents of the Town of Riverhead through the regulation of connections to the Town's municipal separate storm sewer system (MS4) and the regulation of nonstormwater discharges to the MS4 to the maximum extent practicable as required by federal and state law. This article establishes methods for controlling the introduction of pollutants into the MS4 in order to comply with requirements of the New York State Department of Environmental Conservation's (NYSDEC) State Pollutant Discharge Elimination System (SPDES) General Permit (GP-02-02) for Municipal Separate Storm Sewer Systems. The objectives of this article are:

A.
To meet the requirements of the SPDES General Permit for Stormwater Discharges from MS4s, Permit No. GP-02-02, or as amended or revised;

B.
To regulate the contribution of pollutants to the MS4 since such systems are not designed to accept, process or discharge nonstormwater wastes;

C.
To prohibit unauthorized and illicit connections, activities and discharges to the MS4;

D.
To establish legal authority to implement all inspection, surveillance and monitoring procedures necessary to ensure compliance with this article; and

E.
To promote public awareness of the hazards involved in the improper discharge of trash, yard waste, lawn chemicals, pet waste, wastewater, grease, oil, petroleum products, cleaning products, paint products, hazardous waste, sediment and other pollutants into the MS4.

§ 109-2 Definitions.

Whenever used in this article, unless a different meaning is stated in a definition applicable to only a portion of this article, the following terms will have meanings set forth below:

BEST MANAGEMENT PRACTICES (BMPs)
Schedules of activities, prohibitions of practices, general good housekeeping practices, pollution prevention and educational practices, maintenance procedures, and other management practices to prevent or reduce the discharge of pollutants directly or indirectly to stormwater, receiving waters, or stormwater conveyance systems. BMPs also include treatment practices, operating procedures, and practices to control site runoff, spillage or leaks, sludge or water disposal, or drainage from raw materials storage.

CLEAN WATER ACT
The Federal Water Pollution Control Act (33 U.S.C. § 1251 et seq.), and any subsequent amendments thereto.

CODE
Code of the Town of Riverhead, New York.

CONNECTION PERMIT
An authorization for connection as well as a discharge permitted under § 109-13 of this article, as well as a discharge authorized under a SPDES permit, waiver, or waste discharge order issued to the discharger and administered under the authority of the NYSDEC. This permit is subject to special terms and conditions by the SMO. The permit will expire on or before the expiration of the NYSDEC SPDES permit, waiver or order or upon change of ownership or use of the property.

CONSTRUCTION ACTIVITY
Activities requiring authorization under a NYSDEC SPDES Permit for Stormwater Discharges From Construction Activity, GP-02-01, as amended or revised, or activities covered by Erosion and Sediment Control or Pollution Prevention Plan laws, ordinances or regulations of the Town. These activities include construction projects resulting in land disturbance equal to or greater than the area stipulated in statutes or regulations of the state, county or the Town, whichever is most restrictive. Such activities include, but are not limited to, clearing and grubbing, grading, excavating, and demolition.

COUNTY
The County of Suffolk.

GENERAL PERMIT
An authorization for the connection as well as the discharge of stormwater or authorized nonstormwater (per § 109-6A of this article), from properties occupied by private dwellings.

HAZARDOUS MATERIALS
Any material, including any substance, waste, or combination thereof, which because of its quantity, concentration, or physical, chemical, or infectious characteristics may cause, or significantly contribute to, a substantial present or potential hazard to human health, safety, property, or the environment when improperly treated, stored, transported, disposed of, or otherwise managed.

ILLICIT ACTIVITY
Any action or condition, active or passive, that results in nonstormwater discharges entering the Town's MS4.

ILLICIT CONNECTION
Any drain or conveyance, whether on the surface or subsurface, which allows an illegal discharge to enter the MS4 including, but not limited to:

A.
Any conveyances which allow any nonstormwater discharge including treated or untreated sewage, process wastewater and wash water to enter the MS4, and any connections to the

storm drain system from indoor drains and sinks, regardless of whether said drain or connection had been previously allowed, permitted or approved by an authorized enforcement agency; or

B.
Any drain or conveyance connected from a commercial or industrial land use to the MS4 which has not been documented in plans, maps or equivalent records and approved by an authorized enforcement agency;

C.
Any building or structure floor drain or trench drain; and

D.
Any unauthorized connection as defined elsewhere in this section.

ILLICIT DISCHARGE
Any discharge through an unauthorized connection, and any direct or indirect nonstormwater discharge to the MS4, except as exempted in § 109-6 of this article.

INDIVIDUAL SEWAGE TREATMENT SYSTEM
A facility serving one or more parcels of land or residential households, or a private, commercial or institutional facility that treats sewage or other liquid wastes for discharge into the groundwaters of New York State, except where a permit for such a facility is required under the applicable provisions of Article 17 of the Environmental Conservation Law.

INDUSTRIAL ACTIVITY
Activities requiring the SPDES Permit for Discharges From Industrial Activities Except Construction, GP-98-03, as amended or revised.

LICENSED/CERTIFIED PROFESSIONAL
New York State licensed professional engineer or licensed architect.

MS4
Municipal separate storm sewer system owned by the Town or another municipal entity.

MUNICIPAL SEPARATE STORM SEWER SYSTEM
A conveyance or system of conveyances and retention and infiltration facilities; (including roads with drainage systems, curbs and gutters on municipal streets, manholes, catch basins, ditches, man-made channels, or storm drains, stormwater basins, drainage reserve areas, drywells or any other component of a stormwater system) that is:

A.
Owned or operated by the Town or another municipal entity;

B.
Designed or used for collecting and/or conveying and/or storing and/or infiltrating and/or managing stormwater; and

C.
Which is not a combined sewer; and

D.
Which is not part of a publicly owned treatment works (POTW) as defined at 40 CFR 122.2.

MUNICIPALITY
A county, Town, village or other unit of government.

NONSTORMWATER DISCHARGE
Any discharge to the MS4 that is not composed entirely of stormwater.

NYSDEC
The New York State Department of Environmental Conservation

OFFICE OF THE TOWN ENGINEER
Office of the Town Engineer of the Town of Riverhead.

PERSON
Any individual, association, organization, partnership, firm, corporation or other entity recognized by law and acting as either the owner or as the owner's agent.

POLLUTANT
Anything which causes or contributes to pollution. Pollutants may include, but are not limited to, dredged spoil, filter backwash, solid waste, incinerator residue, treated or untreated sewage, garbage, sewage sludge, munitions, chemical wastes, biological materials, radioactive materials, hazardous materials, heat, wrecked or discarded equipment, rock, sand and industrial, municipal, agricultural waste and ballast discharged into water; which may cause or might reasonably be expected to cause pollution of the waters of the state in contravention of the standards. Also, paints, varnishes, and solvents; oil and other automotive fluids; hazardous or nonhazardous liquid and solid wastes, yard wastes including branches, grass clippings and leaves; refuse, rubbish, garbage, litter, or other discarded or abandoned objects and accumulations so that same may cause or contribute to pollution; and discharges of soaps, detergents, or floatables; pesticides, herbicides, and fertilizers; sewage, fecal coliforms and pathogens; dissolved and particulate metals; animal wastes; wastes and residues that result from constructing a building, structure or site improvements; cement, gravel, sand, silt, mud, other soils, and noxious or offensive matter of any kind.

PREMISES
Any building, lot, parcel of land, or portion of land, whether improved or unimproved, including adjacent sidewalks and parking strips.

SPECIAL CONDITIONS

A.
Discharge compliance with water quality standards: The condition that applies where an MS4 has been notified that the discharge of stormwater authorized under their MS4 SPDES permit may have caused or has the reasonable potential to cause or contribute to the violation of an applicable water quality standard. Under this condition, the MS4 must take all necessary actions to ensure future discharges do not cause or contribute to a violation of water quality standards.

B.
Federal Clean Water Act Section 303(d) listed waters: the condition in an MS4 SPDES permit that applies where the MS4 discharges to a NYSDEC 303(d) listed water. Under this condition, the MS4's stormwater management program must ensure no increase of the listed pollutant of concern to the 303(d) listed water.

C.
Total maximum daily load (TMDL) strategy: the condition in an MS4 SPDES permit where a TMDL including requirements for control of stormwater discharges has been approved by EPA for a water body or watershed into which the MS4 discharges. If the discharge from the MS4 did not meet the TMDL stormwater allocations prior to September 10, 2003, the MS4 was required to modify its stormwater management program to ensure that reduction of the pollutant of concern specified in the TMDL is achieved.

D.
The condition in an MS4 permit that applies if a TMDL is approved in the future by EPA for any water body or watershed into which an MS4 discharges: under this condition, the MS4 must review the applicable TMDL to see if it includes requirements for control of stormwater discharges.

If an MS4 is not meeting the TMDL stormwater allocations, the MS4 must, within six months of the TMDL's approval, modify its stormwater management program to ensure that reduction of the pollutant of concern specified in the TMDL is achieved.

SPECIAL PERMIT
An authorization for the connection as well as the discharge of stormwater or authorized nonstormwater (per § 109-6 of this article), from all properties occupied by other than private dwellings.

STATE
The State of New York.

STATE POLLUTANT DISCHARGE ELIMINATION SYSTEM (SPDES) STORMWATER DISCHARGE PERMIT
A permit issued by the NYSDEC that authorizes the discharge of pollutants to waters of the state.

STORMWATER
Rainwater; or surface runoff and/or subsurface drainage due to rain, snow, or other precipitation or a combination thereof.

STORMWATER MANAGEMENT OFFICER (SMO)
The Town Engineer of the Town of Riverhead (or the person serving in the capacity of the Town Engineer) or his/her authorized deputies, agents or representatives, including employees of other Town Departments, as appropriate.

STORMWATER POLLUTION PREVENTION PLAN (SWPPP)
SWPPPs formalize the design of stormwater management measures for each site. The SWPPP has two parts: an erosion and sediment control plan and a post-construction stormwater control plan. The erosion and sediment control plan, required for all regulated construction activities, lays out the nature, placement and capacity of runoff control measures to be used during construction. Where permanent measures are necessary to manage stormwater runoff after construction is completed, a post-construction stormwater control plan is also required, setting forth engineering details, construction schedules and responsibility for ongoing operation and maintenance of permanent stormwater management measures.

303(d) LIST
A list of all surface waters in the state for which beneficial uses of the water (drinking, recreation, aquatic habitat, and industrial use) are impaired by pollutants, prepared periodically by the NYSDEC as required by Section 303(d) of the Clean Water Act. 303(d) listed waters are estuaries, lakes and streams that fall short of state surface water quality standards and are not expected to improve within the next two years.

TMDL
Total maximum daily load.

TOTAL MAXIMUM DAILY LOAD
The maximum amount of a pollutant allowed to be released into a water body so as not to impair uses of the water, allocated among the sources of that pollutant.

TOWN
The Town of Riverhead.

TOWN ENGINEER
The Town Engineer of the Town of Riverhead, or his/her authorized deputies, agents, or representatives.

UNAUTHORIZED CONNECTION
A permanent or temporary unapproved direct or indirect conveyance to the Town's MS4. Any connection, pipe, hose, swale, or other conveyance underground or above ground that is not documented on plans, maps, or equivalent records approved by the Town Engineer or other

jurisdictionally appropriate agency, or that is not approved by a permit issued by the Town Engineer or other jurisdictionally appropriate agency, is considered unauthorized regardless of whether the discharge is otherwise allowed by this article.

UNCONTAMINATED
"Free of pollutants" or containing pollutants within acceptable limits as defined by the governing regulatory code. (See definition of Pollutant).

WASTEWATER
Water that is not stormwater, and that is adversely affected in quality by anthropogenic influence. This includes, but is not limited to discharges resulting from residential, commercial, industrial, and agricultural water usage.

§ 109-3 Applicability.

This article shall apply to discharged connections to the Town's MS4. This includes activities that result in discharge, seepage or deposition into the Town's MS4, and all water entering the MS4 generated on any developed and undeveloped lands unless explicitly exempted by an authorized enforcement agency and allowed by a discharge or connection permit or other document approved by the jurisdictionally appropriate agency. This article shall also apply to discharges and connections entering via another MS4 that is tributary to the Town's MS4.

§ 109-4 Responsibility for administration.

The Town Engineer of the Town of Riverhead, or duly authorized deputies, agents or representatives, is designated as the Stormwater Management Officer (SMO). The Town Engineer, duly authorized deputies, agents or representatives or employees of other Riverhead Town departments, as appropriate, shall administer, implement, and enforce the provisions of this article.

§ 109-5 Severability.

The provisions of this article are hereby declared to be severable. If any provision, clause, sentence, or paragraph of this article or the application thereof to any person, establishment, or circumstances shall be held invalid, such invalidity shall not affect the other provisions or application of this article.

§ 109-6 Discharge prohibitions; exceptions.

A.
Prohibition of illicit discharges. No person shall discharge or cause to be discharged into the Town's MS4 any materials other than stormwater except as provided in Subsection A(1). The commencement, conduct or continuance of any illicit (illegal) discharge to the MS4 is prohibited except as described as follows:

(1)
The following discharges are exempt from discharge prohibitions established by this article, unless they are subsequently determined to be substantial contributors of pollutants: water line flushing or other potable water sources, uncontaminated landscape irrigation or lawn watering, existing diverted stream flows, rising groundwater, uncontaminated groundwater infiltration to storm drains, uncontaminated pumped groundwater, foundation or footing drains, uncontaminated crawl space or basement sump pump discharges, air conditioning condensate, uncontaminated irrigation water, springs, water from individual residential car washing, natural riparian habitat or wetland flows, dechlorinated swimming pool discharges, residential street wash water, water from fire-fighting activities, and any other water source not containing pollutants. Such exempt discharges shall be made in accordance with an appropriate plan for reducing pollutants.

(2)
Discharges approved in writing by the SMO to protect life or property from imminent harm or damage, provided that such approval shall not be construed to constitute compliance with other applicable laws, codes and requirements, and further provided that such discharges may be permitted for a specified time period and under

such conditions as the SMO may deem appropriate to protect such life and property while reasonably maintaining the purpose and intent of this article.

(3)
Dye testing in compliance with applicable state and local laws or codes is an allowable discharge, but requires a written notification to the SMO prior to the time of the test.

(4)
The prohibition shall not apply to any discharge permitted under a SPDES permit, waiver, or waste discharge order issued to the discharger and administered under the authority of the NYSDEC, provided that the discharger is in full compliance with all requirements of the permit, waiver, or order and other applicable laws, codes and regulations, and provided that written approval has been granted for any discharge to the MS4 by the SMO.

§ 109-7 Unauthorized connections prohibited.

A.
Connections to the Town's MS4 without a permit are prohibited.

(1)
Any connection to the Town's MS4 is considered to be an unauthorized connection unless it has been approved by a permit issued by the SMO or documented on a plan, or map that has been approved by the SMO. This constraint applies to all connections, permanent or temporary, regardless of whether the discharge is otherwise permitted by this article.

(2)
The construction, use, maintenance or continued existence of unauthorized connections to the Town's MS4 is prohibited.

(3)
This prohibition expressly includes, without limitation, connections made in the past, regardless of whether the connection was permissible under law, code or practices applicable or prevailing at the time of connection.

(4)
A person is considered to be in violation if a connection is made from his/her property to the Town's MS4 that is not authorized, or allows such a connection to continue.

(5)
The connection of interior floor, trench, or roof drains to the MS4 at the entrances to buildings or other structures is prohibited.

B.
Remedy unauthorized connections. Where the SMO has identified an unauthorized connection as defined in Subsection A(2) of this section, the SMO may require that a proper permit be obtained or that the connection be removed at the property owner's expense.

§ 109-8 Failing individual sewage treatment systems prohibited.

No persons shall operate a failing individual sewage treatment system in areas tributary to the Town's MS4. A failing individual sewage treatment system is one which has one or more of the following conditions:

A.
The backup of sewage into a structure.

B.
Discharges of treated or untreated sewage onto the ground surface.

C.
A connection or connections to the Town's MS4.

D.
Liquid level in the septic tank above the outlet invert.

E.
Structural failure of any components of the individual sewage treatment system that could lead to any of the other failure conditions as noted in this section.

F.
Contamination of off-site groundwater.

§ 109-9 Activities contaminating stormwater or maintaining or using an unauthorized connection to MS4 prohibited.

A.
Activities that are subject to the requirements of this article are those types of activities that:

(1)
Cause or contribute to a violation of the Town's MS4 SPDES permit.

(2)
Cause or contribute to the Town being subject to the special conditions as defined in § 109-2 of this article.

(3)
Cause or contribute to the Town's MS4 receiving pollutants as defined in § 109-2 of this article.

(4)
Cause or contribute to the Town's MS4 receiving discharges from an undocumented or unauthorized connection (whether permanent or temporary).

B.
Such activities include failing individual sewage treatment systems as defined in § 109-8 of this article, improper management of pet waste or any other activity that causes or contributes to violations of the Town's MS4 SPDES permit authorization.

C.
Upon notification to a person that he or she is engaging or has engaged in activities that cause or contribute to violations of the Town's MS4 SPDES permit authorization or cause or contribute to pollutants being discharged to the Town's MS4, that person shall take all reasonable actions to correct such activities such that he or she no longer causes or contributes to violations of the Town's MS4 SPDES permit authorization, or causes or contributes to pollutants to be discharged or deposited into the Town's M54.

§ 109-10 Prevention, Control and Reduction of Stormwater Pollutants.

A.
Best management practices. Where the SMO has identified illicit discharges as defined in § 109-2 of this article or activities contaminating stormwater as defined in § 109-9 of this article, the SMO may require implementation of best management practices (BMPs) to control those illicit discharges and activities.

(1)
The owner or operator of a commercial or industrial establishment shall provide, at his or her own expense, reasonable protection from accidental discharge of prohibited materials, pollutants or other wastes into the MS4 through the use of structural and nonstructural BMPs.

(2)
Any person responsible for a property or premises, which is, or may be, the source of an illicit discharge as defined in § 109-2 of this article or an activity contaminating stormwater as defined in § 109-9 of this article, may be required to implement, at said person's expense, additional structural and nonstructural BMPs to reduce or

eliminate the source of pollutant(s) to the MS4.

(3)
Compliance with all terms and conditions of a valid SPDES permit authorizing the discharge of stormwater associated with industrial activity, to the extent practicable, shall be deemed in compliance with the provisions of this section.

B.
Individual sewage treatment systems: response to special conditions requiring no increase of pollutants or requiring a reduction of pollutants. Where individual sewage treatment systems are contributing to the Town's MS4 being subject to the special conditions as defined in § 109-2 of this article, the owner or operator of such individual sewage treatment systems shall be required to:

(1)
Maintain and operate individual sewage treatment systems as follows:

(a)
Have the septic tank professionally inspected annually to determine scum and sludge accumulation. A copy of the inspection report(s) shall be submitted to the SMO for review and determination of appropriate maintenance or remediation actions to be performed. These actions include, at a minimum:

(b)
Septic tanks must be pumped out whenever the bottom of the scum layer is within three inches of the bottom of the outlet baffle or sanitary tee or the top of the sludge is within 10 inches of the bottom of the outlet baffle or sanitary tee.

(c)
Avoid the use of septic tank additives.

(d)
Avoid the disposal of excessive quantities of detergents, kitchen wastes, laundry wastes and household chemicals into the septic system; and

(e)
Avoid the disposal of cigarette butts, disposable diapers, sanitary napkins, trash and other such items into the septic system.

(2)
Repair or replace individual sewage treatment systems as follows:

(a)
In accordance with 10 NYCRR, Appendix 75-A to the maximum extent practicable.

(b)
A design professional licensed and qualified to practice in New York State shall prepare design plans for any type of absorption field that involves:

[1]
Relocating or extending an absorption area to a location not previously approved for such.

[2]
Installation of a new subsurface treatment system at the same location.

[3]
Use of alternate system or innovative system design or technology.

(c)
A written certificate of compliance shall be submitted by the design professional to the SMO at the completion of

construction of the repair or replacement system.

§ 109-11 Suspension of access to MS4.

A.
The SMO may, without prior notice, suspend MS4 discharge access to a person when such suspension is necessary to stop an actual or threatened discharge, which presents or may present imminent and substantial danger to the environment, to the health or welfare of persons, or to the MS4. The SMO shall notify the person of such suspension within a reasonable time thereafter in writing of the reasons for the suspension. If the violator fails to comply with a suspension order issued in an emergency, the SMO may take such steps as deemed necessary to prevent or minimize damage to the MS4 or to minimize hazardous conditions which may adversely affect the health, safety, welfare, and property of residents of the Town.

B.
Suspension due to the detection of illicit discharge or unauthorized connection. Any person discharging to the Town's MS4 in violation of this article may have his or her MS4 access terminated if such termination would abate or reduce an illicit discharge or result in the remedy of an unauthorized connection. The SMO will notify a violator in writing of the proposed termination of its MS4 access and the reasons therefor. The violator may petition the SMO for a reconsideration and hearing. Access may be granted by the SMO if he/she finds that the illicit discharge has ceased and the discharger has taken steps to prevent its recurrence, or that the discharger has obtained proper permission for the connection. Access may be denied if the SMO determines in writing that the illicit discharge has not ceased or is likely to recur or the unauthorized connection has not been sufficiently remedied. A person commits an offense if the person reinstates MS4 access to premises terminated pursuant to this section without the prior approval of the SMO.

§ 109-12 Industrial or construction activity discharges.

Any person subject to an industrial or construction activity SPDES stormwater discharge permit shall comply with all provisions of such permit. Proof of compliance with said permit may be required in a form acceptable to the SMO prior to the allowing of discharges to the MS4.

§ 109-13 Connection permits.

A.
General. Any connection to the Town's MS4 requires a permit issued by the SMO. Applications for permits shall be made on forms provided by the SMO. Permit applications shall be supplemented by any plans, specifications, analyses, calculations or other information considered pertinent by the SMO. The Town considers connection to its MS4 as a last resort to solve flooding problems. Before approving a connection, the Town will require that applicants use on-site best management practices to detain and remediate stormwater and other authorized nonstormwater discharges to the maximum extent practicable. The SMO will assess the adequacy of the applicant's on-site stormwater management practices.

B.
Permit types.

(1)
General permit. An authorization for the connection as well as the discharge of stormwater or authorized nonstormwater discharge (per § 109-6A of this article) from properties occupied by private dwellings.

(2)
Connection permit. An authorization for connection as well as discharge authorized under § 109-13 of this article, as well as for a discharge permitted under a SPDES permit, waiver, or waste discharge order issued to the discharger and administered under the authority of the NYSDEC. This permit is subject to special terms and conditions by the Town Engineer. The permit will expire on or before the expiration of the NYSDEC SPDES permit, waiver or order or upon change of ownership or use of the property.

(3)

Special permit. An authorization for the connection as well as the discharge of stormwater or authorized nonstormwater discharge (per § 109-6A of this article) from all properties occupied by other than private dwellings.

C.
Permit fees. The following fee schedule:

(1)
General permit.

(a)
Application and filing fee: $25.

(b)
Inspection fee: None.

(2)
Connection permit.

(a)
Application and filing fee: $250.

(b)
Inspection fee: $500.

(3)
Special permit.

(a)
Application and filing fee: $250.

(b)
Inspection fee: $500.

D.
Inspection. All connections to the Town's MS4 shall be subject to the approval and inspection by the SMO and/or other appropriate agency as deemed necessary by the SMO. The applicant must notify the SMO at least 48 hours prior to commencing work and at least 48 hours prior to final restoration so that the inspection can be scheduled.

E.
Indemnification. The property owner shall indemnify and save the Town harmless from any loss, damage or expense, claims or suits arising out of and in conjunction with the installation and connection to the Town's MS4. In addition, the Town makes no guarantee that its MS4 will not become surcharged or otherwise overburdened and that water from the MS4 will not back up through the connection onto the owner's property. By making a connection, the applicant/owner assumes all of the risk and liability that may arise from it.

F.
Permit transfers. General permits may be transferred with the sale of a residential property, provided the use does not change. The new property owner shall comply with the terms and conditions of the transferred permit. Special permits are not transferable without approval of the SMO.

G.
Work within public roads. Any connection made within or involving work within a public road will also comply and be subject to any and all applicable codes and regulations pertaining to permits for work on and within public streets and roads. A permit under this article does not relieve the applicant from the permits under the foregoing codes and regulations.

H.

Other permits required. A connection permit issued pursuant to this article does not relieve the applicant from any and all other permits, permissions, or compliance with rules and regulations that may be required by federal, state, county, Town, and village government agencies or other public or private parties. This permit does not supersede any of the above.

I.
Permit rules and regulations. The SMO may promulgate rules and regulations for the permitting process within the constraints of this article.

§ 109-14 Applicability; access to facilities; monitoring of discharges.

A.
Applicability. This section applies to all facilities that the SMO must inspect to enforce any provision of this article, or whenever the authorized enforcement agency has cause to believe that there exists, or potentially exists, in or upon any premises any condition that constitutes a violation of this article.

B.
Access to facilities.

(1)
The SMO shall be permitted to enter and inspect facilities public and private subject to regulation under this article as often as may be necessary to determine compliance with this article. If a discharger has security measures in force that require proper identification and clearance before entry into its premises, the discharger shall make the necessary arrangements to allow access to the SMO.

(2)
Facility operators shall allow the SMO ready access to all parts of the premises for the purposes of inspection, sampling, examination and copying of records as may be required to implement this article.

(3)
The Town shall have the right to set up on any facility subject to this article such devices as are necessary in the opinion of the Town Engineer to conduct monitoring and/or sampling of the facility's stormwater or nonstormwater discharge.

(4)
The Town Engineer has the right to require the facilities subject to this article to install monitoring equipment as is reasonably necessary to determine compliance with this article. The facility's sampling and monitoring equipment shall be maintained at all times in a safe and proper operating condition by the discharger at its own expense. All devices used to measure stormwater and nonstormwater flow and quality shall be calibrated to ensure their accuracy.

(5)
Unreasonable delays in allowing the Town access to a facility subject to this article are a violation of this article. A person who is the operator of a facility subject to this article commits an offense if the person denies the Town reasonable access to the facility for the purpose of conducting any activity authorized or required by this article.

(6)
If the SMO has been refused access to any part of the premises from which there exists a non-permitted stormwater or nonstormwater discharge to the MS4, and he/she is able to demonstrate probable cause to believe that there may be a violation of this article, or that there is a need to inspect and/or sample as part of a routine inspection and sampling program designed to verify compliance with this article or any order issued hereunder, then the SMO may seek issuance of a search warrant from any court of competent jurisdiction.

§ 109-15 Notification of spills.

Notwithstanding other requirements of law, as soon as any person responsible for a facility or operation, or responsible for emergency response for a facility or operation has information of any known or suspected release

of materials which are resulting or may result in illicit discharges or pollutants discharging into the MS4, said person shall take all necessary steps to ensure the recovery, containment, and cleanup of such release. In the event of such a release of hazardous materials, said person shall immediately notify emergency response agencies of the occurrence via emergency dispatch services. In the event of a release of nonhazardous materials, said person shall notify the SMO in person or by telephone or facsimile no later than the next business day. Notifications in person or by telephone shall be confirmed by written notice addressed and mailed to the SMO within three business days of the telephone notice. If the discharge of prohibited materials emanates from a commercial or industrial establishment, the owner or operator of such establishment shall also retain an on-site written record of the discharge and the actions taken to prevent its recurrence. Such records shall be retained by the owner for at least three years.

§ 109-16 Enforcement; penalties for offenses.

A.
Notice of violation.

(1)
When the SMO finds that a person has violated a prohibition or failed to meet a requirement of this article or a permit issued pursuant to this article, he/she may order compliance by written notice of violation to the responsible person. Such notice may require, without limitation, any or all of the actions listed below:

(a)
The elimination of illicit or unauthorized connections or discharges;

(b)
That violating discharges, practices, operations, activities, or connections shall cease and desist;

(c)
The abatement or remediation of stormwater pollution or contamination hazards and the restoration and/or remediation of any affected property;

(d)
The performance of monitoring, analyses, and reporting by a qualified professional;

(e)
Payment of a fine; and

(f)
The implementation of source control or treatment BMPs.

(2)
If abatement of a violation and/or restoration of affected property is required, the notice shall set forth a deadline within which such remediation or restoration must be completed. Said notice shall further advise that, should the violator fail to remediate or restore within the established deadline, the work will be done by a designated governmental agency or a contractor and the expense thereof shall be charged to the violator.

B.
Penalties. In addition to or as an alternative to any penalty provided herein or by law, any person who violates the provisions of this article shall be guilty of a violation punishable by a fine not exceeding $1,000 or imprisonment for a period not to exceed two months, or both for conviction of a first offense; for conviction of a second offense, both of which were committed within a period of five years, punishable by a fine not less than $1,000 nor more than $2,500 or imprisonment for a period not to exceed two months, or both; and upon conviction for a third or subsequent offense, all of which were committed within a period of five years, punishable by a fine not less than $2,500 nor more than $5,000 or imprisonment for a period not to exceed two months, or both. However, for the purposes of conferring jurisdiction upon courts and judicial officers generally, violations of this article shall be deemed misdemeanors and for such purpose only all provisions of law relating to misdemeanors shall apply to such violations. Each day's continued violation shall constitute a separate additional violation. To the extent that

§ 268 of the New York State Town Law limits the fine schedule for a violation of any local law, ordinance or regulation to a fine not exceeding $350 or imprisonment for a period not to exceed six months, or both, for conviction of a first offense; for conviction of a second offense, both of which were committed within a period of five years, punishable by a fine not less than $350 nor more than $700 or imprisonment for a period not to exceed six months, or both; and, upon conviction for a third or subsequent offense, all of which were committed within a period of five years, punishable by a fine not less than $700 nor more than $1,000 or imprisonment for a period not to exceed six months, or both, § 268 of the New York State Town Law is superseded, nunc pro tunc, for the protection and enhancement of the Town's physical and visual environment and for the protection, order, conduct, safety, health and well-being of persons or property therein, pursuant to the Town's powers under § 10, Subdivision 1(ii)a(3)(11) and (12), of the Municipal Home Rule Law, as well as Article 9, § 2(b)(3), and Article 9, § 3(c)(10), of the New York State Constitution.

[Amended 12-16-2008 by L.L. No. 48-2008]

§ 109-17 Appeal of notice of violation.

Any person receiving a notice of violation may appeal within 15 calendar days of its issuance. The SMO shall hear the appeal within 30 days after the filing of the appeal, and within five days of making his/her decision, issue a decision by certified mail to the discharger. The SMO may conduct the hearing and take evidence or may designate any officer or employee of the Town to do so.

§ 109-18 Corrective measures after appeal.

A.
If the violation has not been corrected pursuant to the requirements set forth in the notice of violation, or, in the event of an appeal, within five business days of the decision of the SMO, then the SMO shall request the owner's permission for access to the subject private property to take any and all measures reasonably necessary to abate the violation and/or restore the property.

B.
If refused access to the subject private property, the SMO may seek a warrant in a court of competent jurisdiction to be authorized to enter upon the property to determine whether a violation has occurred. Upon determination that a violation has occurred, the SMO may seek a court order to take any and all measures reasonably necessary to abate the violation and/or restore the property. The cost of implementing and maintaining such measures shall be the sole responsibility of the property owner.

§ 109-19 Injunctive relief.

It shall be unlawful for any person to violate any provision or fail to comply with any of the requirements of this article. If a person has violated or continues to violate the provisions of this article, the SMO may petition for a preliminary or permanent injunction restraining the person from activities which would create further violations or compelling the person to perform abatement or remediation of the violation.

§ 109-20 Alternative remedies.

A.
Where a person has violated a provision of this article, he/she may be eligible for alternative remedies in lieu of a civil penalty, upon recommendation of the Town Attorney and concurrence of the SMO, where:

(1)
The violation was unintentional.

(2)
The violator has no history of previous violations of this article.

(3)
Environmental damage was minimal.

(4)
The violator acted quickly to remedy violation.

(5)
The violator cooperated in investigation and resolution.

B.
Alternative remedies may consist of one or more of the following:

(1)
Attendance at compliance workshops.

(2)
Storm drain stenciling or storm drain marking.

(3)
River, stream or creek cleanup activities.

(4)
Other public service which is consistent with the objectives of the Town's stormwater management program.

§ 109-21 Violations deemed a public nuisance.

In addition to the enforcement processes and penalties provided, any condition caused or permitted to exist in violation of any of the provisions of this article is a threat to public health, safety, and welfare, and is declared and deemed a nuisance, and may be summarily abated or restored at the violator's expense, and/or a civil action to abate, enjoin, or otherwise compel the cessation of such nuisance may be taken.

§ 109-22 Remedies not exclusive.

The remedies listed in this article are not exclusive of any other remedies available under any applicable federal, state or local law and it is within the discretion of the authorized enforcement agency to seek cumulative remedies.

§ 109-23 Multiple jurisdiction.

In the event that a discharge or connection constitutes a violation that is the responsibility of multiple MS4s, the violator may be subject to enforcement pursuant to any/all of the responsible MS4s' illicit discharge code or other relevant rules and regulations.

§ 109-24 When effective; repealer.

This article shall be in full force and effect immediately upon adoption. All prior chapters and parts of chapters in conflict with this article are hereby repealed.

Town of Riverhead Illicit Discharge and Detection Elimination Program

Goal: Develop and implement a program to detect and address non-stormwater discharges including illegal dumping in the Town of Riverhead (ToR) Municipal Separate Storm Sewer System (MS4) in accordance with current assistance and guidance documents from the state and EPA.

Reference Documents

1. NYS DEC MS4 Permit GP-0-10-002
2. Center for Watershed Protection (CWP) Illicit Discharge and Detection and Elimination – A Guidance Manual for Program Development and Technical Assessments by CWP & Robert Pitt, October 2004.

1. Terminology and Key Concepts

- **a.** Illicit Discharge –
  - **i.** Illicit Discharges – storm drain that has a measurable flow during dry weather containing pollutants and/or pathogens. A storm drain with measurable flow but containing no pollutants is simply considered a discharge.
  - **ii.** Illicit discharges have a unique frequency, composition and mode of entry into the storm drain system (MS4).
- **b.** Storm Drain – Can be either an enclosed pipe or an open channel designed to convey stormwater downstream into either bodies of water, stormwater treatment units, and/or recharge basins.
- **c.** Discharge Frequency – the frequency of dry weather discharges in storm drains may be one of three conditions.
  - **i.** Continuous – Discharges occur most or all of the time, are usually easier to detect and typically produce the greatest pollutants.
  - **ii.** Intermittent - Discharges occur over a shorter period of time (e.g., few hours per day or a few days per year). These are hard to detect but can still represent a water quality problem.
  - **iii.** Transitory – discharges occur rarely, usually in response to a singular event such as an industrial spill, ruptured tank, sewer break, transport accident or illegal dumping episode. These can be the most toxic to the downstream environment. These can be observed by pavement/pipe staining, loss in pressure or in-operation of the upstream structure, or through spill reports.
- **d.** Flow Types
  - **i.** Sewage and Septage – produced from sewer pipes and septic systems.
  - **ii.** Washwater flows – wide variety – examples to be considered as illicit discharges include : Discharges of residential gray water, commercial carwash wastewater, floor washing to shop drains. These are detrimental to the environment as they contain significant amounts of detergents.
  - **iii.** Liquid wastes – wide variety – such as oil, paint, process water (radiator flushing water, plating bath wastewater, etc) that enter the storm drain system.
  - **iv.** Tap Water – pipe leaks of potable water – not considered a source of illicit discharge however can contribute to dry weather flows.

v. Landscape Irrigation – flows that occur when excess potable water used in residential and commercial – as long as water not mixed with chemicals (fertilizers or pesticides) not considered a source of illicit discharge but can contribute to dry weather flows.

vi. Groundwater & Spring Water – occur when the local water table rises above the bottom elevation of the inverts and enters into the storm drain either through cracks and joints, not considered a source of illicit discharge but can contribute to dry weather flows and also is an indicator that potential repairs are required to the system.

e. Modes of Entry

i. Direct – the discharge is directly connected to the storm drain pipe through a sewage pipe, shop drain or other kind of pipe.

1. Sewage Cross Connections – a sewer pipe that is improperly connected to the storm drain system that produces a continuous discharge of raw sewage to the pipe.
2. Straight Pipe – refers to relatively small diameter pipes that intentionally bypass the sanitary connection or septic drain fields, producing a direct discharge into open channels or streams.
3. Industrial and Commercial Cross Connections – these occur when a drain pipe is improperly connected to the storm drain system producing a discharge of wash water, process water or other inappropriate flows into the storm drain pipe.

ii. Indirect

1. Groundwater Seepage
2. Spills
3. Dumping a Liquid into a Storm Drain Inlet
4. Outdoor Washing Activities
5. Non-Target Irrigation from Landscaping

2. Mapping

By January of 2009-2010, the ToR had identified and mapped all known outfalls. Discharge locations included surface waters, recharge basins and stormwater leaching pools. The outfalls were identified by GIS review of aerial geography, through review of as-built subdevelopment site plans, by general windshield surveys, and by communication with the Building, Highway and Building and Grounds Departments for outfalls identified during normal field operations.

Subsequently field work was conducted during the winter of 2009-2010 to confirm locations of outfalls to surface waters per the NYSDEC definition of an MS4. Outfall locations were adjusted and omitted and/or added to the GIS database according to field findings.

3. Outfall Inventory

During the summer of 2010, outfall inventory reconnaissance was conducted to confirm locations of surface water, recharge basin and leaching pool outfalls identified during outfall mapping. Outfall Reconnaissance Inventory/Sample Collection Field Sheets were used to collect field data

for the inventory. Information collected included background data, outfall description, field data and physical indicators for any flowing outfalls, physical indicators for non-flowing outfalls and overall characterization. Many additional outfalls were found during the field reconnaissance and also through the discovery of additional existing construction plans. New outfalls will be mapped as they are constructed. Sample collection will be conducted of dry weather flows identified during this inventory after all collected data has been mapped and input to the data base.

Outfall reconnaissance inventoried within the Nitrogen and Pathogen impaired watersheds will be conducted at least once every five years, with reasonable progress each year.

In addition, approximately 20% of the Town's entire conveyance system will be mapped each year beginning in 2008 and ending in 2013. To date, approximately 75% of the mapping has been completed for the 40 miles of storm sewer system within the ToR. At a minimum, the map and supporting documentation for the conveyance system will include:

- Type of conveyance system - closed pipe or open drainage;
- Pipe material, shape, and size for closed pipe systems;
- Channel/ditch lining material, shape, and dimensions for open drainage systems;
- Location and dimensions of any culvert crossings;
- Drop inlet, catch basin, and manhole locations; and
- Number and size of connections (inlets/outlets) to catch basins and manholes and direction of flow.

Preliminary sewersheds were delineated by the Town during the winter of 2010. This delineation included all outfalls discharging to surface waters within Town boundaries. The delineation was performed initially from GIS topography and confirmed by field investigations of the sewersheds. These boundaries will be reconfigured based on the additional outfalls found during recent field reconnaissance and storm sewer construction plans review. Many outfall locations will also be adjusted based on the field work and plan examination. As during the initial delineation, GIS sewersheds will be confirmed in the field.

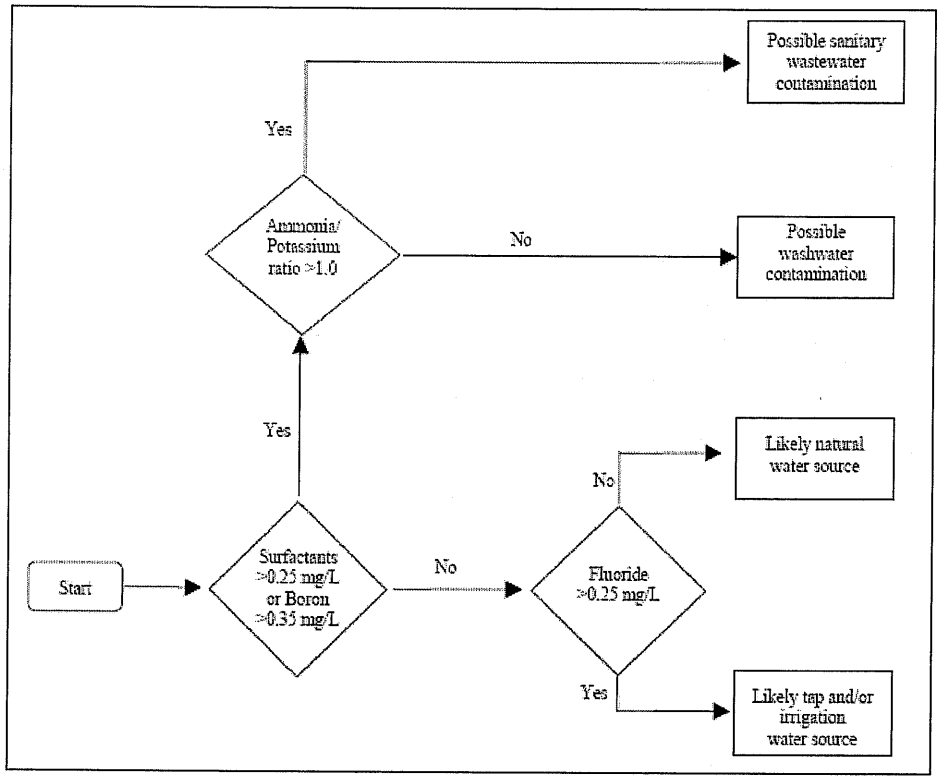
4. Dry Weather Flow Monitoring

Outfalls having dry weather flow during the initial outfall inventory will be revisited after at least 48 hours of no rain, on three separate occasions and at least two weeks apart. If dry weather flow is present on any of the three occasions, the outfall will be revisited to collect water quality data.

- Temperature and salinity will be measured using the YSI 30 by collecting the discharge in a sample bottle and inserting the probe to obtain a reading. The sample may be discarded after the reading is taken. The sample bottle may be reused for measuring temperature and salinity at other outfall pipes; however, it will be rinsed out with deionized water between uses.

- Autoclaved sample bottles will be used to collect samples for analysis of surfactants, potassium, ammonia, and chlorine.

The chart below and water quality results will be used to determine if an illicit discharge/connection is present.



In addition to testing for the above parameters, samples for fecal coliform will be collected analysis. To collect a sample for fecal coliform analysis, the Town will use an autoclaved sample bottle. The sample is placed in ice, in a cooler. If high fecal coliform counts are found, the sample is preserved for possible DNA analysis (a tool that is used to identify the source of the pathogens).

5. Procedures for Identifying Priority Areas of Concern (Geographic, audiences, or otherwise) for the IDDE Program.

The ToR has several different land uses within its municipal boundaries. The more urban areas have been developed along State and County Roadways (SR 25 and CR 58). These areas have been designed with positive drainage systems, albeit inter-connecting catch basins conveying stormwater to an outfall. Other more rural areas of Town have been developed with isolated leaching structures.

Older residential neighborhoods were often designed with easement areas located at the low points in roadways and no true conveyance system constructed. This was to save on development costs. Riverhead Town Codes require residential neighborhoods be designed with a positive drainage system discharging to a recharge basin sized to account for either a 5" rain event (if safe overflow is provided), or a 8" rain event (if no safe overflow is provided).

The current Riverhead Town Codes for commercial development require developers to maintain all roof runoff on site, and to design stormwater facilities to contain a minimum of 2" of rain fall on site. In 2011, the ToR will incorporate the new stormwater design manual into the site plan requirements for the ToR.

The Town of Riverhead has identified two different priorities: impaired surface water bodies, land use types and older residential subdivisions to target for its IDDE program

a. The Town of Riverhead has identified its impaired surface water bodies as a primary target of concern for its IDDE Program. The Meetinghouse Creek Watershed is comprised of two different MS4 regulatory agencies, the NYSDOT and ToR. The Peconic River Watershed is comprised of three different MS4 regulatory agencies, NYSDOT, SCDPW, and ToR. Terry's Creek Waterhsed is comprised of three different MS4 Regulatory agencies, NYSDOT, SCDPW and the ToR. The Long Island Sound watershed is shared by SCDPW and ToR.

The ToR has identified its impaired surface water bodies as its primary areas of concern.

i. Meetinghouse Creek Watershed
ii. Peconic River Watershed
iii. Peconic Bay Watershed
iv. Terry's Creek Watershed
v. Long Island Sound Watershed

b. Land Uses of Concern – Since the ToR has nitrogen and pathogen watershed improvement strategies, land uses that contribute to nitrogen and pathogen pollutants have been identified. We have identified the following land uses within the ToR, sorted by their proximity to either a MS4 structure or a surface water body and will be mapping them through the GIS system for inspection tracking purposes. These land uses of concern are presented by location in Appendix C.

i. Animal Care/Kennel Facilities
ii. Auto Repair and Fuel Filling Stations
iii. Bulk fuel storage
iv. Golf Courses
v. Fertilizer and Pesticide distributors.
vi. Farm Lands
vii. Funeral and Crematorium locations
viii. Older Residential Developments within impaired watershed areas.

6. Available Equipment

a. The Town of Riverhead Sewer District (RSD) – currently has a camera that is used in viewing blockages within its Sanitary Sewer Lines. This camera has been shared with other departments (HwY and B&G) in the past as will remain the current practice to determine breaks, connections, contents of underground drainage systems, including but not limited to pipes, catch basins, leaching pools, etc.

b. The RSD currently utilizes smoke testing as a method to determine stormwater connections into the sanitary sewer lines. As the ToR does not have a combined system, non sanitary waste lines entering into the sanitary sewer lines can inundate the Waste Water Treatment Plant (WWTP) and cause it to exceed its capacity. The Engineering Department has utilized this equipment in the past to ascertain pipe orientations and possible illicit connections.

c. The RSD and the Engineering Department utilize dye testing as a means for tracing water flow through pipe conveyance systems. This is a useful tool in determining illicit discharge paths.

d. The Town of Riverhead Highway Department currently has three vacuum trucks that it utilizes in the cleaning of drainage structures including but not limited to catch basins, leaching pools and storm drain pipes.

7. Staff

a. **Ken Testa, P.E., Town Engineer** – Mr. Testa oversees the Engineering Department and Stormwater Management Office on its day to day functions. Mr. Testa reports directly to the Town of Riverhead Town Board, who ultimately make decisions concerning the operations of the Town.

b. **Christine Fetten, P.E., Assistant Town Engineer** – Ms. Fetten participates in the day to day functions of the Engineering Department. Ms. Fetten along with Drew Dillingham compile annual information pertaining to the MS4 Annual Reporting requirements. Ms. Fetten, Mr. Dillingham, and Mr. McCormick consult on a regular basis in regards to the MS4 requirements, tracking, legal authorities, etc. for all MCMs, and Watershed Improvement Strategies. Ms. Fetten regularly attends Peconic Estuary MS4 meetings to participate in watershed MS4 opportunities.

c. **Drew Dillingham, P.E., CPESC Civil Engineer** – Mr. Dillingham has been actively overseeing the operations of the MS4 requirements. He works very closely with Mr. Hubbs and Ms. Fetten in developing sub-watershed mapping, outfall reconnaissance and infrastructure mapping. Mr. Dillingham reviewed the Meetinghouse Creek watershed management plan developed by Horsely and Whitten , sponsored by the Peconic Estuary Program (PEP) and developed a workable plan for implementation that did not require private property acquisition and/or easements over private property. Mr. Dillingham regularly attends Peconic Estuary MS4 Meetings to participate in watershed MS4 opportunities.

d. **Robert Hubbs, GIS Supervisor** – Mr. Hubbs has worked diligently on developing the ToR's GIS Mapping system. All employees with desktop access can access the ToR's GIS system. Mr. Hubbs has made himself available for training opportunities to town staff. Mr. Hubbs has been working on a naming convention so that all MS4 structures may be identified in the field by HWY staff during cleaning operations so they may be better tracked. In the near future the ToR will begin tracking the IDDE program and cleaning program on the GIS system.

e. **Daniel McCormick, Assistant Town Attorney** – Mr. McCormick is the legal counsel for the ToR's MS4 Program. Mr. McCormick works closely with the Engineering Department and Town Board to adopt Town Code adoptions for Construction Site Stormwater Controls, Illicit Discharge Detection and Elimination, Goose Feeding

Prohibition and other Watershed Improvement Strategy Code adoptions. Mr. McCormick receives stormwater questions from the Engineering Department and issues Legal Opinions as warranted. Mr. McCormick regularly attends Peconic Estuary MS4 Meetings to participate in watershed MS4 opportunities.

f. **George Woodson, Riverhead Highway Department Superintendent** –Mr. Woodson is an elected Superintendent of the Town of Riverhead Highway Department. Mr. Woodson, since becoming the superintendent of Highways has diligently dedicated staff to the maintenance of MS4 structures. Mr. Woodson sends staff to training on MS4 operations, good housekeeping and IDDE. HwY staff contact the Engineering Department with potential illicit discharge issues.

g. **Michael Reichel, Riverhead Sanitary Sewer District Superintendent** – Mr. Reichel is the superintendent to the Town's two sewer districts, the Riverhead Sewer District (RSD) and the Calverton Sewer District (CSD). There are two wastewater treatment plants (WWTP) within each district and the RSD also runs a scavenger waste plant which takes in sewage from pump trucks. Mr.Reichel has provided his staff and assistance to the Engineering Department and the Highway Department in the use of the camera, smoke testing and dye testing for tracking potential illicit discharges.

8. **Funding –**

   a. **Operational Costs** – The Town currently funds personnel from the Engineering Department and the Town Attorney's Office that work on MS4 Permit requirements through its operating budget. In 2011, the Town hopes to segregate out a separate Stormwater Staff allocation to better track resources used in this program. The sewer department and highway department staff are funded through the Town operational costs but are paid for through separate taxing districts. MS4 cleaning operations, IDDE program requirements, SWPPP review and inspections, public pamphlets and posters and other public education and involvement activities are funded out of operational costs.

   b. **Capital Improvement Costs** – Large scale projects such as infrastructure replacement and watershed improvement strategy implementations are generally paid out of a Capital Improvement Project (CIPs). Generally CIPs are funded through either bonding or town budgets coupled with grant monies (shared).

   c. **Grant Opportunities** – The Town has had great success in securing grant funds for the implementation of MS4 projects. The Town has purchased boater pumpout boats, and boater pumpout stanchions through grant monies. The Town has performed stormwater retrofits out of grant monies.

9. **Procedures for identifying and locating Illicit Discharges (trackdown)**

   a. **Pollution Reporting Hotline** The ToR maintains a website and public access television channel. In September 2010, the Town will revise the website page to include a dedicated call in number to report potential illicit discharges to the Engineering Department. The Engineering Department telephone line is currently listed on all of the educational pamphlets that are available at Town facilities that experience a large amount of public traffic. This information along with educational video programs will be posted to our Channel 22 television station.

When a telephone call or statement is made of a potential illicit discharge, the Engineering Department personnel as listed in Section 4, will begin an *Illicit Discharge Hotline Incident Tracking Sheet* (IDHTS). The IDHTS will be initially be filled out with the reporter's information (see Figure 6).

Figure 6-1 – Illicit Discharge Hotline Incident Tracking Sheet

Illicit Discharge Hotline Incident Tracking Sheet

Incident ID:

Responder Information	
Call taken by:	Call date:
Call time:	Precipitation (inches) in past 24-48 hrs:
Reporter Information	
Incident time:	Incident date:

Caller contact information (*optional*):

Incident Location *(complete one or more below)*

Latitude and longitude:

Stream address or outfall #:

Closest street address:

Nearby landmark:

Primary Location Description	**Secondary Location Description:**		
☐ Stream corridor *(In or adjacent to stream)*	☐ Outfall	☐ In-stream flow	☐ Along banks
☐ Upland area *(Land not adjacent to stream)*	☐ Near storm drain	☐ Near other water source (storm water pond, wetland, etc.):	

Narrative description of location:

Upland Problem Indicator Description

☐ Dumping	☐ Oil/solvents/chemicals	☐ Sewage
☐ Wash water, suds, etc.	☐ Other: _____	

Stream Corridor Problem Indicator Description

Odor	☐ None	☐ Sewage	☐ Rancid/Sour	☐ Petroleum (gas)
	☐ Sulfide (rotten eggs); natural gas	☐ Other: Describe in "Narrative" section		
Appearance	☐ "Normal"	☐ Oil sheen	☐ Cloudy	☐ Suds
	☐ Other: Describe in "Narrative" section			
Floatables	☐ None:	☐ Sewage (toilet paper, etc)	☐ Algae	☐ Dead fish
	☐ Other: Describe in "Narrative" section			

Narrative description of problem indicators:

Suspected Violator (name, personal or vehicle description, license plate #, etc.):

Investigation Notes	
Initial investigation date:	Investigators:
☐ No investigation made	Reason:
☐ Referred to different department/agency:	Department/Agency:
☐ Investigated: No action necessary	
☐ Investigated: Requires action	Description of actions:
Hours between call and investigation:	Hours to close incident:
Date case closed:	
Notes:	

b. Drainage Area Investigations – Following the initial call and beginning of a IDHTS, the Engineering Department will perform a desk top review of all information pertinent to the land area reported. The Town will utilize the GIS system to determine local land use, permitted facilities (NYSDEC/ACOE), property ownership, aerial review and what stormwater infrastructure is within this area.

c. Trunk Investigations and On Site Discharge Investigations - Once the background information is determined a inspection crew will be deployed to perform trunk investigations and site discharge investigations. The Engineering Department will consult with the Town Attorney's office to discuss the project and any legal issues associated with the project. Considerations shall be given to type of mode of entry, flow type and frequency. If the illicit discharge is within the system and not from an apparent

property connection, than a trunk investigation will be initiated with the aid of the Highway Department and GIS to determine the next upstream structure that shows the illicit flow. When a structure is encountered that does not show the illicit flow, than the connection will lie somewhere between the two. At this point in time, the Engineering Department along with the Highway Department and the Sewer Department will utilize the pipe camera to determine the size and type of connection. The Town will then begin the on-site investigation to determine the actual source of the illicit connection from within the private property through either smoke or dye testing.

d. Septic System Investigations - The ToR has a Town Code Chapter 88 entitled Sewers (Appendix A). Paragraph 41 of this chapter allows for the inspection at a rate of once per five years by the Town of Riverhead. Within this code, the frequency, right of entry and right to remove grass, topsoil and/or dirt shall be allowed. The Town will consider amending this code in 2010 to allow for a third party consultant in the form of a licensed plumber to certify septic systems and provide this report to the Town to include the following information:

i. Type of Structures – quantity and locations
ii. Inlets/Outlets – quantity and locations
iii. General assessment of structural integrity and if any outlets occur past the last mapped leaching pool.

These will be submitted to the Sewer District and then be further distributed to the Engineering Department for database filing purposes.

10. Procedures for Eliminating Illicit Discharges

a. Chapter 109 of Town Code – In 2007, the Town Board adopted by resolution a new Town Code Chapter -109 entitled Storm Sewers (Appendix B). Within this new code, illicit discharges were defined along with several other terms. The Town's procedures for eliminating illicit discharges are outlined in this chapter and address the ToR's ability to access facilities, to suspend access to the MS4, allow for connection permits the ToR's Enforcement procedures outlining a penalty fee schedule.

11. Procedures for Documenting Actions

a. A hotline call activates the following procedures:

i. Date Call is logged – registered on the IDHTS
ii. Drainage Area Investigation initiated and conducted – information compiled in a file folder
iii. Trunk Line Survey – documented by both the IDHTS and a photo summary
iv. Private Property Survey- documented by the IDHTS and a photo summary.
v. If violation is determined then SMO may order compliance by Written Notice of Violation (NOV) with an outline of corrective measures to be taken and timeframe of compliance.

If a violation has not been corrected pursuant to the requirements set forth in the NOV, the SMO shall request the owner's permission for access to the subject private property to take any and all measures reasonable necessary to abate the violation. If there is refused access to the property, the Town may seek a warrant in a court of competent jurisdiction to be authorized to enter upon the property to determine whether a violation has occurred. If the violation has occurred, the Town will seek a court order to take action to reasonably abate the violation to restore the property. The cost of these measures shall be the sole responsibility of the property owner.

b. Penalties

i. First Offense – a fine not exceeding $1,000 or imprisonment for a period not to exceed 2 months.

ii. Second Offense – within five years, punishable by a fine not less than $1,000 or more than $2,500 or imprisonment for a period not to exceed two months , or both.

iii. Third Offense- within a period of five years, punishable by a fine not less than $2,500 nor more than $5,000 or imprisonment for a period not to exceed two months or both.

BMP SUMMARY SHEET	
MS4 Name:	Town of Riverhead
Minimum Control Measure:	3 - ILLICIT DISCHARGE DETECTION AND ELIMINATION
Unique BMP Indentification Number:	
BMP Title	Storm Sewer System Map

Permit Description:

You must develop a storm sewer system map by xx, xx, xxx

BMP Description

A storm sewer system map will be developed to provide a basic awareness of the intake and sicahrge areas within the storm water system, help coordinate management activities and provide information on how to determine possible sources of dry weather flows. The map will also assist the Town in tracking storm drain system management actions. The map will include at a minimum public piping systems that are greater than or equal to 12 inches in diameter and include leaching pools, catch basins, manholes, and recharge basins that the Town has operational control. It will also contain information on County and State systems.

Location(s) in SWMP of detailed information relating to this BMP:

Measurable Goals	**2012**	**2013**	**2014**	**2015**
Base Map is complete				
Complete map updates annually				

Timeline/Implementation Schedule:

Annual updates to the existing storm sewer map will be made to correct existing information or add information on items such as new developments or structures found during field evaluations.

Specific Components and Notes:

1 Storm drain system map developed as layers in ArcView GIS
2 Map data correlated with Sql Server 2005 (Eqv to Microsoft Access database) as available
3 The map will show the location of items within public ownership or under drainage and utility easement, such as:
   a. Ponds, streams, lakes and wetlands that are part of the storm water management system
   b. Structural pollution control devises that are part of the system
   c. Pipes & conveyances that are 12" in dia. & over
   d. Outfalls, inclding discharges to other MS4s, waters & ditches that are not part of the system
   e. Overland discharge points
   f. Known locations of confirmed illicit discharges

Responsible Party for this BMP:.

Department:	Engineering / GIS
Name:	Robert Hubbs
Phone:	631-727-3200-201
E-mail:	hubbsr@riverheadli.com

Town of Riverhead IDDE Tracking Database - 2010

cident ID	Location	Owner	Address	SCTM NO.	Date of Report	Date of Inspection	Inspector	Date of 1st NOV	Date of Owner Response	Resolved	Date of Second NOV	Resolved after 30 days
	Wading River	Michael LaShier	126 Overhill	72-1-37		12/17/2008	Christine	12/19/2008 ToR NOV1	12/22/2008 Pool Backwash Hose	y		
	Baiting Hollow	Robert Sinclair	379 Oakleigh			11/7/2008	Christine Fetten	11/7/2008 ToR NOV(1)	11/17/08 New Owner will remediate after			
	Riverhead	Orion Atkinson	75 Joyce Drive			11/7/2008	Christine Fetten	11/7/2008 ToR NOV(1)	owner constructed perforated pipe and			
	Aquebogue	Ms. Carolyn Walter	9 Church Lane	067-01-013	2/3/2010	2/3/2010	Christine Fetten	2/4/10 TOR NOV	3/4/10 Owner to Resolve	n.	5/3/10 TOR NOV 2	n
	Aquebogue	Mr. John Wade	22 Church Lane	067-2-22	2/3/2010	2/3/2010	Christine Fetten	2/4/10 Tor NOV				
	Jamesport	Laura Zylinski	89 Morningside Ave	89-1-16.2		3/22/2010	Christine Fetten	3/22/2010 ToR NOV (1)				
	Aquebogue	Robert Beodeker	171 Crystal Drive	67-2-16.17		6/29/2010	Drew Dillingham	6/29/2010 ToR NOV1				
	Riverhead	Rafael Marca	1118 West Main Street	67-2-16.17		7/22/2010	Drew Dillingham	7/22/2010 ToR NOV (1)	7/28/2010 owner states its groudnwater from			
	Wading River	Michael Stella	124 Meadow Path	73-1-1.56		8/4/2010	Drew Dillingham	8/3/2010 ToR NOV (1)			8/4/2010 ToR NOV(2)	
	Wading River	Mr. Kenzig	40 Gladys Road	31-1-31		8/18/2010	Christine Fetten	8/18/2010 ToR NOV (1)	8/20/2010 pool backwash hose to be re routed			
	Wading River	Daniel Fortuna	108 South Road	67-2-16.17		8/18/2010	Christine Fetten	8/18/2010 ToR NOV (1)	8/23/2010 Owner called discharge is pool			
	Wading River	Thomas Kirkpatrick	11 Grassy Knoll	73-1-1.41		8/18/2010	Drew Dillingham	8/18/2010 ToR NOV (1)	1/0/1900			
	Aquebogue	Christakis Kyprianou	84 Peacock Path	21-2-13.7	9/16/2010	10/6/2010	DED	10/7/2010 TOR NOV (1)	1/0/1900			
	Baiting Hollow	Kevin Lucas	184 Southfield Rd	79-1-15.30	9/16/2010	10/6/2010	Drew Dillingham	Follow up with inspection next summer during pool season.	1/0/1900			
			Grangebel Park - Bridal Veils		10/29/2010	10/29/2010	CPF	Not applicalbe	Capital Project underground drain - remain in site			
			146 High Meadow Court, Jamesport		11/3/2010		CPF					

ILLICIT DISCHARGE HOTLINE INCIDENT TRACKING SHEET

Incident ID:	89 Morningside Ave		
Responder Information			
Call Taken by:	CPF	Call Date:	11/12/2010
Call time:	9:30	Precipitation (inches) in past 24-48 hrs: 0	
Reporter Information			
Incident time	9:00	Incident date: 11/12/2010	

Caller contact information

Lt. Lessard, Town of Riverhead

Incident Location (complete one or more below)			
Latitudde and longitude:			
Stream address or outfall #			
Closest street address: 89 Morningside Ave			
Nearby Landmark:			
Primary Location Description	**Secondary Location Description**		
____Stream Corridor	____Outfall	____In Stream Flow	____Along Banks
__X__Upland Area	____Near Storm Drain	_X___Near other water source (stormwater pond, wetland, etc)	

Narrative description of location

Sump pump discharge from basement. Outlet location is middle of south side of house. Home is in proximity of Flanders Bay.

Upland Problem Indicator Description				
____Dumping		____Oil/Solvents/chemicals		____Sewage
____Wash water, suds, etc.		Other:Appears to be coming from corner of home		
Stream Corridor Problem Indicator Description				
Odor	____None	____Sewage	____Rancid / sour	____Petroleum
	____Sulfide (rotten eg	____Other		
Appearance	___x_Normal	____Oil Sheen	____Cloudy	____Suds
	Other: Describe in "Narrative" section			
Floatables	None: x	Sewage (toilet paper, etc)	Algae	Dead fish
	Other: Describe in "Narrative" section			

Narrative description of problem indicators

Suspected Violator (name, personal or vehicle description, license plate #, etc.):

Property Owner Name Laura Zylinski

SCTM NO.0600-089-1-16.2

Address 89 Morningside Ave
Riverhead, NY 11901

Investigation Notes

Initial Investigation date3/22/10 Investigators Code Enforcement

____No investigation made	Reason:
__X__ Referred to different department/agency	Department/Agency: Police Dept

____Investigated: No action necessary

__X__Investigated: Requires action	Description of actions: Cease pumping water from sump pump
Response: Pumping stopped but began again after of couple of months of non operation.	Follow Up Action (2nd) Letter of second violation
Response	Follow up action (3rd)
Hours between call and invesigation:	Hours to Close incident

Date case closed:

Notes

ILLICIT DISCHARGE HOTLINE INCIDENT TRACKING SHEET

Incident ID:	184 Southfield Rd, Baiting Hollow		
Responder Information			
Call Taken by:	Christine Fetten	Call Date: Field visit	9/16/2010
Call time:		Precipitation (inches) in past 24-48 hrs:	
Reporter Information			
Incident time	AM	Incident date:	9/16/2010

Caller contact information

Incident Location (complete one or more below)			
Latitudde and longitude:			
Stream address or outfall #	184 Southfield Rd, Baiting Hollow		
Closest street address:			
Nearby Landmark:	Recharge Basin		
Primary Location Description	**Secondary Location Description**		
____Stream Corridor	____Outfall	____In Stream Flow	____Along Banks
__x__Upland Area	____Near Storm Drain	____Near other water source (stormwater pond, wetland, etc)	

Narrative description of location

Christine Fetten witnessed piping during EPA IDDE inspection - appears to be coming from pool area

Upland Problem Indicator Description				
____Dumping		____Oil/Solvents/chemicals		____Sewage
____Wash water, suds, etc.		Other:Appears to be coming pool		
Stream Corridor Problem Indicator Description				
Odor	_x_None	____Sewage	____Rancid / sour	____Petroleum
	____Sulfide (rotten eg	____Other		
Appearance	___x_Normal	____Oil Sheen	____Cloudy	____Suds
	Other: Describe in "Narrative" section			
Floatables	None: x	Sewage (toilet paper, etc)	Algae	Dead fish
	Other: Describe in "Narrative" section			

Narrative description of problem indicators

Christine Fetten witnessed piping during EPA IDDE inspection - appears to be coming from pool area

Suspected Violator (name, personal or vehicle description, license plate #, etc.):

Property Owner Name Kevin Lucas

SCTM NO. 79-1-15.30

Address 184 Southfield Rd Baiting Hollow

Investigation Notes

Initial Investigation date 10/6/2010 Investigators Drew Dillingham

____No investigation made	Reason:
____ Referred to different department/agency	Department/Agency:

_X___Investigated: No action necessary

____Investigated: Requires action	Description of actions:
Response:	Follow Up Action (2nd)
Response	Follow up action (3rd)
Hours between call and invesigation:	Hours to Close incident

Date case closed:

Notes

Pool discharge piping removed from fence back to pool filter.

Follow up with inspection next summer during pool season.

ILLICIT DISCHARGE HOTLINE INCIDENT TRACKING SHEET

Incident ID:			
Responder Information			
Call Taken by:	CPF	Call Date:	10/29/2010
Call time:	10:00	Precipitation (inches) in past 24-48 hrs:	
Reporter Information			
Incident time	9:00	Incident date:	

Caller contact information

Mike Post from Terry Contracting called regarding two pipes they found coming out of the south side of bridal veils falls.

He thought he saw some degraded paper coming out of them.

Incident Location (complete one or more below)			
Latitudde and longitude:			
Stream address or outfall #			
Closest street address:			
Nearby Landmark:			
Primary Location Description	**Secondary Location Description**		
____Stream Corridor	____Outfall	____In Stream Flow	____Along Banks
____Upland Area	____Near Storm Drain	____Near other water source (stormwater pond, wetland, etc)	

Narrative description of location

Upland Problem Indicator Description				
____Dumping		____Oil/Solvents/chemicals		____Sewage
____Wash water, suds, etc.		Other:Appears to be coming from corner of home		
Stream Corridor Problem Indicator Description				
Odor	____None	____Sewage	____Rancid / sour	____Petroleum
	____Sulfide (rotten eg	____Other		
Appearance	___x_Normal	____Oil Sheen	____Cloudy	____Suds
	Other: Describe in "Narrative" section			
Floatables	None: x	Sewage (toilet paper, etc)	Algae	Dead fish
	Other: Describe in "Narrative" section			

Narrative description of problem indicators

Suspected Violator (name, personal or vehicle description, license plate #, etc.):

Property Owner Name

SCTM NO.

Address

Investigation Notes

Initial Investigation date	Investigators
____No investigation made	Reason:
____ Referred to different department/agency	Department/Agency:

____Investigated: No action necessary

____Investigated: Requires action	Description of actions:
Response:	Follow Up Action (2nd)
Response	Follow up action (3rd)
Hours between call and invesigation:	Hours to Close incident

Date case closed:

Notes

ILLICIT DISCHARGE HOTLINE INCIDENT TRACKING SHEET

Incident ID:	
Responder Information	
Call Taken by: Chris Fetten	Call Date: 2/3/2010
Call time:	Precipitation (inches) in past 24-48 hrs:
Reporter Information	
Incident time	Incident date:

Caller contact information

Highway Department Called in.

Incident Location (complete one or more below)			
Latitudde and longitude:			
Stream address or outfall #	9 Church Lane		
Closest street address:	NYS 25		
Nearby Landmark:			
Primary Location Description	**Secondary Location Description**		
____Stream Corridor	____Outfall	____In Stream Flow	____Along Banks
____Upland Area	____Near Storm Drain	____Near other water source (stormwater pond, wetland, etc)	

Narrative description of location

Coming off residential property entering into ToR CB

Upland Problem Indicator Description				
____Dumping		____Oil/Solvents/chemicals		____Sewage
____Wash water, suds, etc.		Other:Appears to be coming from corner of home		
Stream Corridor Problem Indicator Description				
Odor	____None	____Sewage	____Rancid / sour	____Petroleum
	____Sulfide (rotten eg	____Other		
Appearance	___x_Normal	____Oil Sheen	____Cloudy	____Suds
	Other: Describe in "Narrative" section			
Floatables	None: x	Sewage (toilet paper, etc)	Algae	Dead fish
	Other: Describe in "Narrative" section			

Narrative description of problem indicators

Suspected Violator (name, personal or vehicle description, license plate #, etc.):

Property Owner Nam Ms. Carolyn Walter

SCTM NO. 067-01-013

Address 9 Church Lane Aquebogue

Investigation Notes			
Initial Investigation date	2/3/2010	Investigators	Christine Fetten
____No investigation made		Reason:	HWY Call
____ Referred to different department/agency		Department/Agency:	
____Investigated: No action necessary			
____Investigated: Requires action		Description of actions:	2/4/10 TOR NOV
Response:	3/4/10 Owner to Resolve	Follow Up Action (2nd)	5/3/10 TOR NOV 2
Response		Follow up action (3rd)	
Hours between call and invesigation:		Hours to Close incident	
Date case closed:			
Notes			

ILLICIT DISCHARGE HOTLINE INCIDENT TRACKING SHEET

Incident ID:	
Responder Information	
Call Taken by: Chris Fetten	Call Date: 2/3/2010
Call time:	Precipitation (inches) in past 24-48 hrs:
Reporter Information	
Incident time	Incident date:

Caller contact information

Highway Department Called in.

Incident Location (complete one or more below)			
Latitudde and longitude:			
Stream address or outfall #	22 Church Lane		
Closest street address:	NYS 25		
Nearby Landmark:			
Primary Location Description	**Secondary Location Description**		
____Stream Corridor	____Outfall	____In Stream Flow	____Along Banks
____Upland Area	____Near Storm Drain	____Near other water source (stormwater pond, wetland, etc)	

Narrative description of location

Upland Problem Indicator Description				
____Dumping		____Oil/Solvents/chemicals		____Sewage
____Wash water, suds, etc.		Other:Appears to be coming from corner of home		
Stream Corridor Problem Indicator Description				
Odor	____None	____Sewage	____Rancid / sour	____Petroleum
	____Sulfide (rotten eg	____Other		
Appearance	___x_Normal	____Oil Sheen	____Cloudy	____Suds
	Other: Describe in "Narrative" section			
Floatables	None: x	Sewage (toilet paper, etc)	Algae	Dead fish
	Other: Describe in "Narrative" section			

Narrative description of problem indicators

Appears to be rusty water following a line coming from residential property, daylighting adjacent to CB

Suspected Violator (name, personal or vehicle description, license plate #, etc.):

Property Owner Nam Mr. John Wade

SCTM NO. 067-2-22

Address 22 Church Lane Aquebogue

Investigation Notes	
Initial Investigation date 2/3/2010	Investigators Christine Fetten
____No investigation made	Reason: HWY Call
____ Referred to different department/agency	Department/Agency:

____Investigated: No action necessary

____Investigated: Requires action	Description of actions: 2/4/10 Tor NOV
Response:	Follow Up Action (2nd)
Response	Follow up action (3rd)
Hours between call and invesigation:	Hours to Close incident

Date case closed:

Notes

ILLICIT DISCHARGE HOTLINE INCIDENT TRACKING SHEET

Incident ID:	
Responder Information	
Call Taken by:	Call Date:
Call time:	Precipitation (inches) in past 24-48 hrs:
Reporter Information	
Incident time	Incident date:

Caller contact information

Incident Location (complete one or more below)			
Latitudde and longitude:			
Stream address or outfall #	171 Crystal Drive		
Closest street address:	NYS 25		
Nearby Landmark:			
Primary Location Description	**Secondary Location Description**		
___Stream Corridor	___Outfall	___In Stream Flow	___Along Banks
___Upland Area	___Near Storm Drain	___Near other water source (stormwater pond, wetland, etc)	

Narrative description of location

Coming off residential property entering into ToR CB

Upland Problem Indicator Description				
___Dumping		___Oil/Solvents/chemicals		___Sewage
___Wash water, suds, etc.		Other:Appears to be coming from corner of home		
Stream Corridor Problem Indicator Description				
Odor	___None	___Sewage	___Rancid / sour	___Petroleum
	___Sulfide (rotten eg	___Other		
Appearance	___x_Normal	___Oil Sheen	___Cloudy	___Suds
	Other: Describe in "Narrative" section			
Floatables	None: x	Sewage (toilet paper, etc)	Algae	Dead fish
	Other: Describe in "Narrative" section			

Narrative description of problem indicators

Suspected Violator (name, personal or vehicle description, license plate #, etc.):

Property Owner Name Robert Beodeker

SCTM NO. 67-2-16.17

Address 171 Crystal Drive Aquebogue

Investigation Notes

Initial Investigation date	6/29/2010	Investigators	Drew Dillingham

____No investigation made	Reason: HWY Call
____ Referred to different department/agency	Department/Agency:

____Investigated: No action necessary

____Investigated: Requires action	Description of actions: 6/29/2010 ToR NOV1
Response:	Follow Up Action (2nd)
Response	Follow up action (3rd)
Hours between call and invesigation:	Hours to Close incident

Date case closed:

Notes

No discharge witnessed during insepction

ILLICIT DISCHARGE HOTLINE INCIDENT TRACKING SHEET

Incident ID:	
Responder Information	
Call Taken by:	Call Date:
Call time:	Precipitation (inches) in past 24-48 hrs:
Reporter Information	
Incident time	Incident date:

Caller contact information

Incident Location (complete one or more below)			
Latitudde and longitude:			
Stream address or outfall #	171 Crystal Drive		
Closest street address:	NYS 25		
Nearby Landmark:			
Primary Location Description	**Secondary Location Description**		
____Stream Corridor	____Outfall	____In Stream Flow	____Along Banks
____Upland Area	____Near Storm Drain	____Near other water source (stormwater pond, wetland, etc)	

Narrative description of location

Coming off residential property entering into ToR CB

Upland Problem Indicator Description				
____Dumping		____Oil/Solvents/chemicals		____Sewage
____Wash water, suds, etc.		Other:Appears to be coming from corner of home		
Stream Corridor Problem Indicator Description				
Odor	____None	____Sewage	____Rancid / sour	____Petroleum
	____Sulfide (rotten eg	____Other		
Appearance	___x_Normal	____Oil Sheen	____Cloudy	____Suds
	Other: Describe in "Narrative" section			
Floatables	None: x	Sewage (toilet paper, etc)	Algae	Dead fish
	Other: Describe in "Narrative" section			

Narrative description of problem indicators

Suspected Violator (name, personal or vehicle description, license plate #, etc.):

Property Owner Name Robert Beodeker

SCTM NO. 67-2-16.17

Address 171 Crystal Drive Aquebogue

Investigation Notes

Initial Investigation date	6/29/2010	Investigators	Drew Dillingham

____No investigation made	Reason: HWY Call
____ Referred to different department/agency	Department/Agency:

____Investigated: No action necessary

____Investigated: Requires action	Description of actions: 6/29/2010 ToR NOV1
Response:	Follow Up Action (2nd)
Response	Follow up action (3rd)
Hours between call and invesigation:	Hours to Close incident

Date case closed:

Notes

No discharge witnessed during insepction

ILLICIT DISCHARGE HOTLINE INCIDENT TRACKING SHEET

Incident ID:	
Responder Information	
Call Taken by:	Call Date:
Call time:	Precipitation (inches) in past 24-48 hrs:
Reporter Information	
Incident time 8/18/2010	Incident date: 8/18/2010

Caller contact information

Dan McCormick and Christine Fetten witnessed discharge piping during South Road Drainage Inspections

Incident Location (complete one or more below)			
Latitudde and longitude:			
Stream address or outfall #	40 Gladys Road		
Closest street address:	South Road		
Nearby Landmark:			
Primary Location Description	**Secondary Location Description**		
____Stream Corridor	____Outfall	____In Stream Flow	____Along Banks
____Upland Area	____Near Storm Drain	____Near other water source (stormwater pond, wetland, etc)	

Narrative description of location

Witness blue flex hose coming out of the pool fence

Upland Problem Indicator Description				
____Dumping		____Oil/Solvents/chemicals		____Sewage
____Wash water, suds, etc.		Other:Appears to be coming pool		
Stream Corridor Problem Indicator Description				
Odor	_x_None	____Sewage	____Rancid / sour	____Petroleum
	____Sulfide (rotten eg	____Other		
Appearance	___x_Normal	____Oil Sheen	____Cloudy	____Suds
	Other: Describe in "Narrative" section			
Floatables	None: x	Sewage (toilet paper, etc)	Algae	Dead fish
	Other: Describe in "Narrative" section			

Narrative description of problem indicators

Suspected Violator (name, personal or vehicle description, license plate #, etc.):

Property Owner Name Mr. Kenzig

SCTM NO. 31-1-31

Address 40 Gladys Road Wading River

Investigation Notes

Initial Investigation date	8/18/2010	Investigators	Christine Fetten

____No investigation made	Reason: Engineering Witnessed
____ Referred to different department/agency	Department/Agency:

____Investigated: No action necessary

____Investigated: Requires action	Description of actions: 8/18/2010 ToR NOV (1)
Response: 8/20/2010 pool backwash hose to be re routed	Follow Up Action (2nd) re-inspect 9/18/2010
Response	Follow up action (3rd)
Hours between call and invesigation:	Hours to Close incident

Date case closed:

Notes

No discharge witnessed during insepction

ILLICIT DISCHARGE HOTLINE INCIDENT TRACKING SHEET

Incident ID:	
Responder Information	
Call Taken by:	Call Date:
Call time:	Precipitation (inches) in past 24-48 hrs:
Reporter Information	
Incident time 8/18/2010	Incident date: 8/18/2010

Caller contact information

Incident Location (complete one or more below)			
Latitudde and longitude:			
Stream address or outfall #	11 Grassy Knoll		
Closest street address:			
Nearby Landmark:			
Primary Location Description	**Secondary Location Description**		
____Stream Corridor	____Outfall	____In Stream Flow	____Along Banks
____Upland Area	____Near Storm Drain	____Near other water source (stormwater pond, wetland, etc)	

Narrative description of location

plastic piping adjacent to catch basin

Upland Problem Indicator Description			
____Dumping	____Oil/Solvents/chemicals		____Sewage
____Wash water, suds, etc.	Other:Appears to be coming pool		

Stream Corridor Problem Indicator Description				
Odor	_x_None	____Sewage	____Rancid / sour	____Petroleum
	____Sulfide (rotten eg	____Other		
Appearance	___x_Normal	____Oil Sheen	____Cloudy	____Suds
	Other: Describe in "Narrative" section			
Floatables	None: x	Sewage (toilet paper, etc)	Algae	Dead fish
	Other: Describe in "Narrative" section			

Narrative description of problem indicators

plastic piping oriented in an east-west direction and parallel to the rear property line.

Suspected Violator (name, personal or vehicle description, license plate #, etc.):

Property Owner Nam Thomas Kirkpatrick

SCTM NO. 73-1-1.41

Address 11 Grassy Knoll Wading River

Investigation Notes

Initial Investigation date	8/18/2010	Investigators	Drew Dillingham

____No investigation made	Reason:	Engineering Witnessed
____ Referred to different department/agency	Department/Agency:	

____Investigated: No action necessary

____Investigated: Requires action	Description of actions:	8/18/2010 ToR NOV (1)
Response:	Follow Up Action (2nd)	
Response	Follow up action (3rd)	
Hours between call and invesigation:	Hours to Close incident	

Date case closed:

Notes

No discharge witnessed during insepction

ILLICIT DISCHARGE HOTLINE INCIDENT TRACKING SHEET

Incident ID:	
Responder Information	
Call Taken by:	Call Date:
Call time:	Precipitation (inches) in past 24-48 hrs:
Reporter Information	
Incident time 11/7/2008	Incident date: 11/7/2008

Caller contact information

Incident Location (complete one or more below)			
Latitudde and longitude:			
Stream address or outfall #	75 Joyce Drive		
Closest street address:			
Nearby Landmark:			
Primary Location Description	**Secondary Location Description**		
____Stream Corridor	____Outfall	____In Stream Flow	____Along Banks
____Upland Area	____Near Storm Drain	____Near other water source (stormwater pond, wetland, etc)	

Narrative description of location

plastic piping adjacent to catch basin

Upland Problem Indicator Description				
____Dumping		____Oil/Solvents/chemicals		____Sewage
____Wash water, suds, etc.		Other:Appears to be coming pool		
Stream Corridor Problem Indicator Description				
Odor	_x_None	____Sewage	____Rancid / sour	____Petroleum
	____Sulfide (rotten eg	____Other		
Appearance	___x_Normal	____Oil Sheen	____Cloudy	____Suds
	Other: Describe in "Narrative" section			
Floatables	None: x	Sewage (toilet paper, etc)	Algae	Dead fish
	Other: Describe in "Narrative" section			

Narrative description of problem indicators

direct piping of roof drainage

Suspected Violator (name, personal or vehicle description, license plate #, etc.):

Property Owner Nam Orion Atkinson

SCTM NO.

Address 75 Joyce Drive Riverhead

Investigation Notes

Initial Investigation date	8/18/2010	Investigators	Christine Fetten

___No investigation made	Reason: HWY called
____ Referred to different department/agency	Department/Agency:

____Investigated: No action necessary

____Investigated: Requires action		Description of actions:	11/7/2008 ToR NOV(1)
Response:	owner constructed perforated pipe and diffused water	Follow Up Action (2nd)	11/19/2008 Tor Follow Up ltr
Response	Issue Remediated	Follow up action (3rd)	
Hours between call and invesigation:		Hours to Close incident	

Date case closed:

Notes

Discharge occurs during rain and adds to overwhelmed drainage area

ILLICIT DISCHARGE HOTLINE INCIDENT TRACKING SHEET

Incident ID:	
Responder Information	
Call Taken by:	Call Date:
Call time:	Precipitation (inches) in past 24-48 hrs:
Reporter Information	
Incident time	Incident date: 8/4/2010

Caller contact information

Incident Location (complete one or more below)			
Latitudde and longitude:			
Stream address or outfall #	124 Meadow Path		
Closest street address:			
Nearby Landmark:			
Primary Location Description	**Secondary Location Description**		
____Stream Corridor	____Outfall	____In Stream Flow	____Along Banks
____Upland Area	____Near Storm Drain	____Near other water source (stormwater pond, wetland, etc)	

Narrative description of location

plastic piping adjacent to catch basin

Upland Problem Indicator Description				
____Dumping		____Oil/Solvents/chemicals		____Sewage
____Wash water, suds, etc.		Other:Appears to be coming pool		
Stream Corridor Problem Indicator Description				
Odor	_x_None	____Sewage	____Rancid / sour	____Petroleum
	____Sulfide (rotten eg	____Other		
Appearance	___x_Normal	____Oil Sheen	____Cloudy	____Suds
	Other: Describe in "Narrative" section			
Floatables	None: x	Sewage (toilet paper, etc)	Algae	Dead fish
	Other: Describe in "Narrative" section			

Narrative description of problem indicators

Pipe through curb line

Suspected Violator (name, personal or vehicle description, license plate #, etc.):

Property Owner Nam Michael Stella

SCTM NO. 73-1-1.56

Address 124 Meadow Path Wading River

Investigation Notes

Initial Investigation date	6/3/2010	Investigators	Drew Dillingham

____No investigation made	Reason:	HWY called
____ Referred to different department/agency	Department/Agency:	

____Investigated: No action necessary

__X__Investigated: Requires action	Description of actions:	6/3/2010 ToR NOV (1)
Response:	Follow Up Action (2nd)	8/4/2010 ToR NOV(2)
Response Disch pipe moved north 10' under bush. Still outlets to road	Follow up action (3rd)	Propose fine.
Hours between call and invesigation:	Hours to Close incident	

Date case closed:

Notes

plastic pipe orientated in an east-west direction and parallel to the northern property line. No discharge was witnessed during inspection. Pipe located south of catch basin

ILLICIT DISCHARGE HOTLINE INCIDENT TRACKING SHEET

Incident ID:			
Responder Information			
Call Taken by:	Christine Fetten	Call Date:	3/22/2010
Call time:		Precipitation (inches) in past 24-48 hrs:	
Reporter Information			
Incident time		Incident date:	3/22/2010

Caller contact information

Incident Location (complete one or more below)			
Latitudde and longitude:			
Stream address or outfall #	89 Morningside Ave		
Closest street address:			
Nearby Landmark:			
Primary Location Description	**Secondary Location Description**		
____Stream Corridor	____Outfall	____In Stream Flow	____Along Banks
____Upland Area	____Near Storm Drain	____Near other water source (stormwater pond, wetland, etc)	

Narrative description of location

perforated bag discharging clear fluids

Upland Problem Indicator Description				
____Dumping		____Oil/Solvents/chemicals		____Sewage
____Wash water, suds, etc.		Other:Appears to be coming pool		
Stream Corridor Problem Indicator Description				
Odor	_x_None	____Sewage	____Rancid / sour	____Petroleum
	____Sulfide (rotten eg	____Other		
Appearance	___x_Normal	____Oil Sheen	____Cloudy	____Suds
	Other: Describe in "Narrative" section			
Floatables	None: x	Sewage (toilet paper, etc)	Algae	Dead fish
	Other: Describe in "Narrative" section			

Narrative description of problem indicators

Code Officer called that green plastic perforated bag system eminating from the underside of deck.

Suspected Violator (name, personal or vehicle description, license plate #, etc.):

Property Owner Nam Laura Zylinski

SCTM NO. 89-1-16.2

Address 89 Morningside Ave Jamesport

Investigation Notes

Initial Investigation date	3/22/2010	Investigators	Christine Fetten

____No investigation made	Reason:	Code Enforcement Called
____ Referred to different department/agency	Department/Agency:	

____Investigated: No action necessary

____Investigated: Requires action	Description of actions:	3/22/2010 ToR NOV (1)
Response:	Follow Up Action (2nd)	
Response	Follow up action (3rd)	
Hours between call and invesigation:	Hours to Close incident	

Date case closed:

Notes

discharge appeared to be basement pumping after rain. End of March rains occurred shortly after.

ILLICIT DISCHARGE HOTLINE INCIDENT TRACKING SHEET

Incident ID:			
Responder Information			
Call Taken by:	Christine Fetten	Call Date:	11/7/2008
Call time:		Precipitation (inches) in past 24-48 hrs:	
Reporter Information			
Incident time		Incident date:	11/7/2008

Caller contact information

Incident Location (complete one or more below)			
Latitudde and longitude:			
Stream address or outfall #	Long Island Sound		
Closest street address:			
Nearby Landmark:			
Primary Location Description	**Secondary Location Description**		
____Stream Corridor	____Outfall	____In Stream Flow	____Along Banks
____Upland Area	____Near Storm Drain	____Near other water source (stormwater pond, wetland, etc)	

Narrative description of location

direct piping of roof drainage

Upland Problem Indicator Description				
____Dumping		____Oil/Solvents/chemicals		____Sewage
____Wash water, suds, etc.		Other:Appears to be coming pool		
Stream Corridor Problem Indicator Description				
Odor	_x_None	____Sewage	____Rancid / sour	____Petroleum
	____Sulfide (rotten eg	____Other		
Appearance	___x_Normal	____Oil Sheen	____Cloudy	____Suds
	Other: Describe in "Narrative" section			
Floatables	None: x	Sewage (toilet paper, etc)	Algae	Dead fish
	Other: Describe in "Narrative" section			

Narrative description of problem indicators

During inspection of Oakleigh Ave, witnessed roof runoff to Oakleigh, side slope below overhanging deck is eroding.

Suspected Violator (name, personal or vehicle description, license plate #, etc.):

Property Owner Nam Robert Sinclair

SCTM NO. Ben Karlin

Address 379 Oakleigh Baiting Hollow

Investigation Notes

Initial Investigation date	11/7/2008	Investigators	Christine Fetten

____No investigation made	Reason:
____ Referred to different department/agency	Department/Agency:

____Investigated: No action necessary

____Investigated: Requires action		Description of actions:	11/7/2008 ToR NOV(1)
Response:	11/17/08 New Owner will remediate after Oakleigh reconstructed	Follow Up Action (2nd)	2010 Oakleigh Reconstructed
Response		Follow up action (3rd)	
Hours between call and invesigation:		Hours to Close incident	

Date case closed:

Notes

Roof runoff piping conveyed to steep slope area, high possibility for erosion

ILLICIT DISCHARGE HOTLINE INCIDENT TRACKING SHEET

Incident ID:	
Responder Information	
Call Taken by:	Call Date:
Call time:	Precipitation (inches) in past 24-48 hrs:
Reporter Information	
Incident time	Incident date:

Caller contact information

Incident Location (complete one or more below)			
Latitudde and longitude:			
Stream address or outfall #	126 Overhill Road		
Closest street address:			
Nearby Landmark:			
Primary Location Description	**Secondary Location Description**		
____Stream Corridor	____Outfall	____In Stream Flow	____Along Banks
____Upland Area	____Near Storm Drain	____Near other water source (stormwater pond, wetland, etc)	

Narrative description of location

Coming off residential property entering into ToR RB

Upland Problem Indicator Description				
____Dumping		____Oil/Solvents/chemicals		____Sewage
____Wash water, suds, etc.		Other:Appears to be coming pool		
Stream Corridor Problem Indicator Description				
Odor	_x_None	____Sewage	____Rancid / sour	____Petroleum
	____Sulfide (rotten eg	____Other		
Appearance	___x_Normal	____Oil Sheen	____Cloudy	____Suds
	Other: Describe in "Narrative" section			
Floatables	None: x	Sewage (toilet paper, etc)	Algae	Dead fish
	Other: Describe in "Narrative" section			

Narrative description of problem indicators

Suspected Violator (name, personal or vehicle description, license plate #, etc.):

Property Owner Name Michael LaShier

SCTM NO. 72-1-37

Address 126 Overhill Wading River

Investigation Notes

Initial Investigation date 12/17/2008 Investigators Christine

____No investigation made	Reason: HWY Call
____ Referred to different department/agency	Department/Agency:

____Investigated: No action necessary

____Investigated: Requires action	Description of actions: 12/19/2008 ToR NOV1
Response: 12/22/2008 Pool Backwash Hose Removed	Follow Up Action (2nd)
Response	Follow up action (3rd)
Hours between call and invesigation:	Hours to Close incident

Date case closed:

Notes

No discharge witnessed during insepction

ILLICIT DISCHARGE HOTLINE INCIDENT TRACKING SHEET

Incident ID:	64 Peacock Path		
Responder Information			
Call Taken by:	Dan McCormick	Call Date: Field visit	9/16/2010
Call time:		Precipitation (inches) in past 24-48 hrs:	
Reporter Information			
Incident time		Incident date: 9/16/10	

Caller contact information

Incident Location (complete one or more below)			
Latitudde and longitude:			
Stream address or outfall #	Peacock Path		
Closest street address:	65 Peacock Path		
Nearby Landmark: Aquebogue	Christakis Kyprianou	64 Peacock Path	21-2-13.7

Primary Location Description	**Secondary Location Description**		
____Stream Corridor	__X__Outfall	____In Stream Flow	____Along Banks
_X___Upland Area	_X___Near Storm Drain	____Near other water source (stormwater pond, wetland, etc)	

Narrative description of location

Coming off residential property entering into ToR CB

Upland Problem Indicator Description				
____Dumping		____Oil/Solvents/chemicals		____Sewage
____Wash water, suds, etc.		Other:Appears to be from roof drain		
Stream Corridor Problem Indicator Description				
Odor	_x_None	____Sewage	____Rancid / sour	____Petroleum
	____Sulfide (rotten eg	____Other		
Appearance	___x_Normal	____Oil Sheen	____Cloudy	____Suds
	Other: Describe in "Narrative" section			
Floatables	None: x	Sewage (toilet paper, etc)	Algae	Dead fish
	Other: Describe in "Narrative" section			

Narrative description of problem indicators

Suspected Violator (name, personal or vehicle description, license plate #, etc.):

Property Owner Name		Christakis Kyprianou
SCTM NO.	21-2-13.7	
Address	64 Peacock Path	Aquebogue

Investigation Notes

Initial Investigation date	10/6/2010	Investigators	DED

____No investigation made	Reason:	Site visit during EPA audit
____ Referred to different department/agency	Department/Agency:	

____Investigated: No action necessary

__x__Investigated: Requires action	Description of actions:	10/7/2010 TOR NOV (1)
Response:	Follow Up Action (2nd)	
Response	Follow up action (3rd)	
Hours between call and invesigation:	Hours to Close incident	

Date case closed:

Notes

No discharge witnessed during insepction

ILLICIT DISCHARGE HOTLINE INCIDENT TRACKING SHEET

Incident ID:			
Responder Information			
Call Taken by:	Christine Fetten/Drew	Call Date:	
Call time:		Precipitation (inches) in past 24-48 hrs:	
Reporter Information			
Incident time		Incident date:	7/8/2010

Caller contact information

Notice of Violation forwarded over from Code Enforcement with wrong address DED Performed inspection 7/19/2010 -
No illicit discharge

Follow up call from Code Enforcement in August; neighbor dispute on landscaping irrigation at 25 Smugglers Path

Incident Location (complete one or more below)			
Latitudde and longitude:			
Stream address or outfall #			
Closest street address:			
Nearby Landmark:			
Primary Location Description	**Secondary Location Description**		
____Stream Corridor	____Outfall	____In Stream Flow	____Along Banks
____Upland Area	____Near Storm Drain	____Near other water source (stormwater pond, wetland, etc)	

Narrative description of location
direct piping of roof drainage

Upland Problem Indicator Description				
____Dumping		____Oil/Solvents/chemicals		____Sewage
____Wash water, suds, etc.		Other:Appears to be coming pool		
Stream Corridor Problem Indicator Description				
Odor	_x_None	____Sewage	____Rancid / sour	____Petroleum
	____Sulfide (rotten eg	____Other		
Appearance	___x_Normal	____Oil Sheen	____Cloudy	____Suds
	Other: Describe in "Narrative" section			
Floatables	None: x	Sewage (toilet paper, etc)	Algae	Dead fish
	Other: Describe in "Narrative" section			

Narrative description of problem indicators

Suspected Violator (name, personal or vehicle description, license plate #, etc.):
Property Owner Name
SCTM NO.
Address

Investigation Notes

Initial Investigation date	3/22/2010	Investigators	Christine Fetten

____No investigation made	Reason: Code Enforcement Called
____ Referred to different department/agency	Department/Agency:

____Investigated: No action necessary

____Investigated: Requires action	Description of actions: 3/22/2010 ToR NOV (1)
Response:	Follow Up Action (2nd)
Response	Follow up action (3rd)
Hours between call and invesigation:	Hours to Close incident

Date case closed:

Notes

ILLICIT DISCHARGE HOTLINE INCIDENT TRACKING SHEET

Incident ID:	
Responder Information	
Call Taken by:	Call Date:
Call time:	Precipitation (inches) in past 24-48 hrs:
Reporter Information	
Incident time	Incident date: 8/18/2010

Caller contact information

Incident Location (complete one or more below)			
Latitudde and longitude:			
Stream address or outfall #	220 Sound Road		
Closest street address:			
Nearby Landmark:			
Primary Location Description	**Secondary Location Description**		
____Stream Corridor	____Outfall	____In Stream Flow	____Along Banks
____Upland Area	____Near Storm Drain	____Near other water source (stormwater pond, wetland, etc)	

Narrative description of location

Dan McCormick and Christine Fetten witnessed piping during South Road drainage inspection - appears to be coming from pool area

Upland Problem Indicator Description				
____Dumping		____Oil/Solvents/chemicals		____Sewage
____Wash water, suds, etc.		Other:Appears to be coming pool		
Stream Corridor Problem Indicator Description				
Odor	_x_None	____Sewage	____Rancid / sour	____Petroleum
	____Sulfide (rotten eg	____Other		
Appearance	___x_Normal	____Oil Sheen	____Cloudy	____Suds
	Other: Describe in "Narrative" section			
Floatables	None: x	Sewage (toilet paper, etc)	Algae	Dead fish
	Other: Describe in "Narrative" section			

Narrative description of problem indicators

Dan McCormick and Christine Fetten witnessed piping during South Road drainage inspection - appears to be coming from pool area

Suspected Violator (name, personal or vehicle description, license plate #, etc.):

Property Owner Nam Daniel Fortuna

SCTM NO. 30-3-14

Address 108 South Road Wading River

Investigation Notes

Initial Investigation date 8/18/2010 Investigators Christine Fetten

____No investigation made	Reason:
____ Referred to different department/agency	Department/Agency:

____Investigated: No action necessary

__X__Investigated: Requires action		Description of actions:	8/18/2010 ToR NOV (1)
Response:	8/23/2010 Owner called discharge is pool backwash-will contain on site	Follow Up Action (2nd)	10/6/2010
Response	Pipes removed from fence and no longer visible.	Follow up action (3rd)	
Hours between call and invesigation:		Hours to Close incident	

Date case closed: 10/6/2010

Notes

Pool Discharge appears to be piped to fence line causing erosion of slope

ILLICIT DISCHARGE HOTLINE INCIDENT TRACKING SHEET

Incident ID:	
Responder Information	
Call Taken by:	Call Date:
Call time:	Precipitation (inches) in past 24-48 hrs:
Reporter Information	
Incident time	Incident date: 7/22/2010

Caller contact information

Incident Location (complete one or more below)			
Latitudde and longitude:			
Stream address or outfall #	1118 West Main Street		
Closest street address:			
Nearby Landmark:			
Primary Location Description	**Secondary Location Description**		
____Stream Corridor	____Outfall	____In Stream Flow	____Along Banks
____Upland Area	____Near Storm Drain	____Near other water source (stormwater pond, wetland, etc)	

Narrative description of location

Upland Problem Indicator Description				
____Dumping		____Oil/Solvents/chemicals		____Sewage
____Wash water, suds, etc.		Other:Appears to be coming pool		
Stream Corridor Problem Indicator Description				
Odor	_x_None	____Sewage	____Rancid / sour	____Petroleum
	____Sulfide (rotten eg	____Other		
Appearance	___x_Normal	____Oil Sheen	____Cloudy	____Suds
	Other: Describe in "Narrative" section			
Floatables	None: x	Sewage (toilet paper, etc)	Algae	Dead fish
	Other: Describe in "Narrative" section			

Narrative description of problem indicators

hose coming from rear of property to lawn, clear fluids discharging intermittent causing rust staining of sidewalk to catch basin

Suspected Violator (name, personal or vehicle description, license plate #, etc.):

Property Owner Nam Rafael Marca

SCTM NO. 67-2-16.17

Address 1118 West Main Stre Riverhead

Investigation Notes

Initial Investigation date 8/18/2010 Investigators Drew Dillingham

____No investigation made	Reason:
____ Referred to different department/agency	Department/Agency:

____Investigated: No action necessary

____Investigated: Requires action		Description of actions:	7/22/2010 ToR NOV (1)
Response:	7/28/2010 owner states its groudnwater from backyard	Follow Up Action (2nd)	7/30/2010 DED met with owner
Response	will reinspect in 2-3 weeks when remedied	Follow up action (3rd)	
Hours between call and invesigation:		Hours to Close incident	

Date case closed:

Notes

High groundwater in back yard area no signs of sanitary waste

Funeral Homes and Crematoriums in the Town of Rivehread						
Company Name	**Street Address**	**Town**	**Telephone No.**	**Owner**	**SCTM No.**	**Distance to Drain Str.**
McLaughlin Heppner Funeral Home	336 Marcy Ave	Riverhead	631-727-3388	Mark Heppner	123-4-23	196' to East - Discharge not likely
Seay Memorial Chapel	711 Harrison Ave.	Riverhead	631-727-2323	Carlton Seay	102-3-31	Adjacent
Tuthill Reginald H Funeral Home	406 E. Main St (SR 25)	Riverhead	631-727-2403	Reginald H Tuthill Funeral H	129-3-10	Adjacent
Alexander Funeral Home	6447 Route 25A	Wading Rvr		Dean Alexander	73-1-1.2	151 to NE

No apparent threat to MS4 System

Adjacent to MS4 structure - High Threat

Golf Courses within the Town of Riverhead						
Company Name	**Street Address**	**Town**	**Telephone No.**	**Proprieter**	**SCTM No.**	**Distance to Drain Str.**
American Golf Corp	1793 Northville Tpke	Riverhead	631-727-4653			
Calveton Links Limited	149 Edwards Ave.,	Calverton	631-369-5200	Robin Gibbs	117-1-5.3	No MS4, 213 south of DEC ID1125
Cherry Creek Golf Links	900 Reeves Ave	Riverhead	631-369-6500			
Friars Head	3000 Sound Ave	Riverhead	631-591-3778			
Olde Vine Golf Club	9 Tyler Dr	Riverhead	631-727-2063			
Sandy Pond Par Three Golf Co	Roanoke Ave.	Rivehread	631-727-0909			
Stone Wall Rest	967 Reeves Ave	Riverhead	631-506-0777			
The Woods at Cherry Creek	967 Reeves Ave	Riverhead	631-208-3510			
Indian Island Golf Course						

No apparent threat to MS4 System

Adjacent to MS4 structure - High Threat

Fuel Distribution Facilities within the Town of Riverhead						
Company Name	**Street Address**	**Town**	**Telephone No.**	**Proprieter**	**SCTM No.**	**Distance to Drain Str.**
Paraco Gasoline Corp	44 Kroemer Ave	Riverhead	631-727-1890			
Synergy Gasoline Corp	1264 W. Main St. (SR 25)	Riverhead	631-727-2626			
AmeriGas Propane	915 W. Main St. (SR 25)	Riverhead	631-727-2424			
Prest O Peconic Incorp	1400 W. Main St (SR 25)	Riverhead	631-727-1516			
Calverton Fuel Oil Inc.	1691 Middle Road	Calverton	631-727-6479	Ed Hodun Jr.	100-3-7	Residential Property
G&C Petroleum	2173 Roanoke Avenue	Riverhead	631-369-5388	George Yakaboski	42-1-27	N/A Residential/Commer
Jarzombek C & R Inc.	2143 Osborne Ave	Baiting Hollow	631-727-4280	Mr. Jarzombek	62-1-16.1	170 south/Residential
Long Island Ice & Fuel	656 W. Main St. (SR 25)		631-727-3010			
Metro Fuel Of Long Island	851 Scott Ave	Calverton	631-208-9000			
Warners Oil Heat	1698 Old Country Road (SR 25)	Riverhead	631-727-2145			Repairs
??Bulk Oil St	446 Edwards Ave	Calverton		Golfo Development Co	117-2-6	1164 NW of DEC ID1305
Peconic Propane	3947 Middle Country Rd. (SR25)	Calverton		Witko Properties Inc.	98-1-17	Adj MS4 & Town Wtlnds

No apparent threat to MS4 System

Adjacent to MS4 structure - High Threat

Junk Yards

Company Name	Street Address	Town	Telephone N	Proprieter	SCTM No.	Distance to Drain Str.
	27 Hubbard Ave	Riverhead		Thomas F. Gallo	131-1-2.2	Adj to MS4 & DEC ID R-3

Auto Repair Shops and Fueling Stations within the Town of Riverhead

Company Name	Street Address	Town	Telephone No.	Proprieter	SCTM No.	Distance to Drain Str.	Pre 1980	Post 1981
East End Marketing	1563 Main Rd	Jamesport		801 F Realty	68-4-65.1	Adjacent		
Emire Oil Station	1356 Old Country Rd	Riverhead	631-369-5900	Argadash Inc	108-2-7	Adjacent		
Luk Oil Fueling Station	1733 Old Country Rd (CR 58)	Riverhead	631-722-8484	Leemilts Petroleum Inc.	119-1-8	Adjacent		
Riverhead Mobil	1575 Old Country Rd	Riverhead	631-727-7234	1260 Old Country Rd Inc.	101-2-12.4	Adjacent		
Enterprises Incorp	415 E. Main St	Riverhead	631-369-5138	Prabha Rani	129-4-17	Adjacent		
Hess Gass Station	870 Old Country Road (CR 58)	Riverhead		Hess Realty Corp	108-3-26	Adjacent		
Hess Gas Station	6305 SR 25A	Wading Rvr		Amerada Hess Corp	75-3-3.2	Adjacent		
????	871 Old Country Road (CR 58)	Riverhead		Trustees	104-1-8.3	Adjacent		
Midas	888 Old Country Road (CR 58)	Riverhead		Trust	108-3-25	Adjacent	x	
Jiffy Lube	997 Old Country Road (CR 58)	Riverhead		Longwood Realty	108-4-11.11	Adjacent	x	
Eagle Auto	58)	Riverhead		Eagle Properties	108-1-10.1	Adjacent	x	
??? SE corner of Osborn &58	1321 Old Country Road (CR 58)	Riverhead		Riverhead Osborne Realty LLC	122-2-1	Adjacent		
Apple Honda	1375 Old Country Road (CR 58)	Riverhead		Irwin Garsten	108-2-8	Adjacent	x	
Riverhead Toyota	1655 Old Country Road (CR 58)	Riverhead		LLC	119-1-11	Adjacent		
Riverhead Auto Mall	1800 Old Country Road (CR 58)	Riverhead		TRW Realty LLC	119-1-5.1	Adj to CB & Surface water		
CB Gas Station & Mini Mart	4129 Middle Country Rd. (SR 25)	Calverton		Inc.	98-1-8	Adj		
Saps Auto Repair	944 East Main Street (SR 25)	Riverhead		Sap Realty Inc	109-2-13	adj to MS4 & DEC ID R-3	x	
Sunuko Gas Station & Mini Mart	4470 Middle Country Rd (SR 25)	Calverton		4470 Calverton Realty LLC	97-1-82	Adj		x
Riverhead Dodge	642 W. Main Street (SR 25)	Riverhead		Riverhead Dodge Inc.	124-3-18	Adjacent	x	
T-Jays Transmissions	1174 E. Main Street	Riverhead	631-369-0011	LLC	109-2-7.1	Adjacent		x
Rt. 25 Jamesport LLC	1427 SR 25	Jamesport	631-722-4315	Jamesport Station LLC	68-4-1	50' to SR 25 CB	x	
Hess Gas Station	2001 Old Country Road (CR 58)	Riverhead		422 Realty Corp	118-3-6	230' to the east		
Auto RV Repair	6166 SR 25	Manorville		Schmidt Garage Holdings LLC	134-1-6	203' to the East	x	
Fueling Station & Mini Mart	2051 WR Mnrvl Road	Wading Rvr		Vohora Realty LLC	74-1-55.1	No close MS4 structure		
Gas Station	1212 East Main St (SR 25)	Riverhead		Nicolos Three LLC	106-1-9.3	156.5' to the North		
Riverhead Ford	1419 Old Country Road (CR 58)	Riverhead		LS Family LP	108-2-17.1		x	
Riverhead Subaru	1521 Old Country Road (CR 58)	Riverhead		Riverhead Pooh LLC	101-2-18.1			x
Co.	109 Sound Ave	Riverhead	631-722-3682					
Riverhead Radiator	1181 E. Main St	Riverhead	631-727-2575					
Sound Avenue Equipment Co.	5152 Sound Ave	Riverhead	631-722-3682					
Calverton Citco	4670 Middle Country Rd.	Calverton	631-591-1698					
Empire Service Station	640 Old Country Rd.	Riverhead	631-369-9240					

Empire Service Station	1050 Osborn Ave	Riverhead	631-369-9602			
Enka Petroleum	1149 Old Country Rd, Ste E4	Riverhead	631-208-9292			
Good Luck Calverton Corp	1 Edwards Ave	Calverton	631-208-0216			
Mei Incorp	1212 E. Main St	Riverhead	631-208-0053			
Schenck Quick Stop	3705 Middle Country Rd	Calverton	631-369-2416			
Superior Gasoline	Main Rd.	Aquebogue	631-722-4837			
Toms Country Automotive	4670 Middle Country Rd.	Calverton	631-369-5507			
Tsaa Management Copr	7 Peconic Trl	Riverhead	631-208-3009			
Incorporated	504 W. Main St.	Riverhead	631-727-7009			
Riverhead Buick Pontiac GMC LLC	1800 A Old Country Rd	Riverhead	631-727-2271			

No apparent threat to MS4 System

Adjacent to MS4 structure - High Threat

Restaurants and Food Prep Facilities in the Town of Riverhead

Delis/Food Prep

Company Name	Street Address	Town	Telephone No.	Proprieter	SCTM No.	Distance to Drain Str.
Aquebogue Mini Mart Incorporated	363/365 Meetinghouse Creek Rd.	Aquebogue	631-722-3971	Larand Co., LLC	86-1-29.1	Site water front 340' to east
Duffy's Deli	1696 Old Cntry Rd (CR 58)	Riverhead	631-727-7271	Warners Oil Heat Inc	101-1-10.4	CB 153 w/o Dwy
Duffy's Deli	1566 Main Rd. (SR 25)	Jamesport	631-722-2150	LMG Properties Inc.	68-2-5	128' to drain on S. Jamesport Ave
Katrinka Deli	1451 Main Road (SR 25)	Jamesport	631-722-3447	Jamesport Plaza LLC	68-4-2	116' to SR 25 CB
Meetinhouse Deli	218 Maid Rd (SR 25)	Aquebogue	631-722-2222	PVA Properties	85-3-79.2	Adjacent to SR 25 CB
Euro Deli	517 Pulaski Street, Unit B	Riverhead	631-727-1635			
Fisherman's Deli	1315 W. Main Street (SR 25)	Riverhead	631-727-4291			
El Caracol Deli	122 Griffing Avenue	Riverhead	631-369-0840			
Railroad Market	159 Railroad Street	Riverhead	631-208-0313			
Schenck Quick Stop	3705 Middle Country Rd (SR 25)	Calverton	631-591-3408			
Bagel Lovers Cave	673 Osborn Ave.	Riverhead	631-727-5080			
CK's Deli Catering Incorp	511 Northvill Tpke	Riverhead	631-727-9094			
Kim's	123 W. Main Street	Riverhead	631-905-9727			
Lobster Roll Deli	3225 Sound Ave, Ste 5	Riverhead	631-369-8774			
Maple Tree Deli Grocery	820 W. Main St (SR 25)	Riverhead	631-727-2819			
Marta's Deli	300 Riverleigh Ave.	Riverhead	631-369-4671			
MG Deli of Riverhead Incorp	999 E. Main Str (SR 25)	Riverhead	631-369-2966			
New Calverton Deli Incorp	3674 Middle Cntry Rd.,	Calverton	631-727-7119			
Polish Town Deli & Seafood Maret	432 Pulaski Str	Riverhead	631-727-3199			
Quick Stop	1172 W. Main Street	Rivehread	631-727-1070			
Riverhead Deli Corp.	55 W. Main Street (SR 25)	Riverhead	631-727-5482			
Riverhead Village Market	945 W. Main Str (SR 25)	Riverhead	631-208-1369			
Speeds Express Deli	800 E. Main Str (SR 25)	Riverhead	631-727-1052			
Village Deli of Riverhead	318 E. Main Str (SR 25)	Riverhead	631-369-7302			
Wisla Delicacy Deli Corp	125 W. Main St (SR 25)	Riverhead	631-369-2102			
Restaurants						
Company Name	**Street Address**	**Town**	**Telephone No.**	**Proprieter**	**SCTM No.**	**Distance to Drain Str.**
Carlo's Pizza Brew Pasta Too	435 Osborne Plaza	Riverhead	631-369-2010			
Sabor Latino Rst	192 Old Country Rd. (CR 58)	Riverhead	631-830-0228	Peconic Plaza LLC	84-4-36.5	adjacent
Antino's Pizzeria of Calverton	4490 Middle Country Rd	Calverton	631-727-5645	Calverton Commons	97-2-30	65' to the East
Domino's Pizza	195 Old Country Rd.	Riverhead	631-369-9090	Peconic Plaza LLC	84-4-36.5	adjacent

Lenny's Pizza & Italian Rest	1451 Main Rd	Jamesport	631-722-8589	Jamesport Plaza LLC	68-4-2	116' To SR 25 CB
Parto's Restaurant	12 West Main St	Riverhead	631-727-4828			
Pizza Hut	999 Old Country Rd.	Riverhead	631-727-3083	Longwood Realty Corp	108-4-11.10	Adjacent
Sergio's Pizzeria	739 Old Country Road,	Riverhead	631-369-1057	Riverhead PGC LLC	104-2-16	self contained
Sbarro Inc.	1490 Old Country Rd	Riverhead	631-369-9614	Tanger Properties LP	119-1-38.1	Adjacent
Applebee's Neighborhood Grill & Bar	1832 Old Country Rd.	Riverhead	631-369-3500	OC Riverhead 58 LLC	119-1-1.1	Adjacent
Buoy One Restaurant	1175 West Main Street	Riverhead	631-208-9737			adjacent
Modern Snack Bar	628 Main Road (SR 25)	Aquebogue	631-722-3655	Wittmeier Family LLP	67-1-27	562' to the west on SR 25
Crystal Garden Chinese Buffet	747 Old Country Road	Riverhead	631-208-0101	Riverhead PGC LLC	104-2-16	self contained
Bean Bagel Café	4426 Middle Country Rd.	Calverton	631-238-5858	Jeanette Dassaro	97-2-32	192' to SE
Boulder Creek	1490 Old Country Rd	Riverhead	631-369-2900	Riverhead Ctr LLC	101-2-11.1	
Burger King Restaurant	900 Old Country Rd	Riverhead	631-727-5553	900 OCR LLC	108-3-23	60' to south
Cliff's Elbow Room	1549 Main Rd	Jamesport	631-722-3664	Saunders Family LP	68-4-62	293' to west SR 25 CB
Cliff's Rendezvous	313 E. Main Street	Riverhead	631-727-5511	Saunders Family LP	129-4-12	158' to the south
Country Rotisserie of Riverhead Inc	1528 Old Country Rd	Riverhead	631-369-4200	Riverhead Center LLC	101-2-11.1	
Friendly's Ice Cream Corp	949 Old Country Road (CR 58)	Riverhead	631-727-5139	Longwood Realty Corp	108-4-11.15	Adjacent
Ground Round	1051 Old Country Rd	Riverhead	631-591-2933	Requerdo Co.	108-4-14.6	Adjacent
J&R's Steak House	4362 Middle Country Rd.	Calverton	631-727-7218	C&C Shorelands Inc.	97-2-36	304' to the East
Jamesport Country Kitchen	1601 Main Road	Jamesport,	631-722-3537	Matt Kar Realty Inc.	69-2-2	230' on S. Jamesport Ave
Jamesport Manor Inn	370 Manor Lane	Jamesport,	631-722-0500	Kar-McVeigh LLC	47-2-3	N/A
Kam Hung Kitchen	1541 Main Rd (SR 25)	Jamesport	631-722-5152	Jamesport Plaza LLC	68-4-2	116' To SR 25 CB
KFC	993 Old Country Rd	Riverhead	631-369-4141	Old Country Rd Rlty LLC	108-4-11.3	Adjacent
Lobster Wok	1073 Old Country Rd	Riverhead	631-369-9230	Requerdo Co.	108-4-14.6	Adjacent
Lolly's Hut	1290 Old Country Rd.	Riverhead	631-369-9230	Plantation Holding Corp	122-1-1	Adjacent
Jerry and the Mermaid	469 E. Main Street	Riverhead	631-727-8489	Peconic RiverBoat Basir	129-4-21.3	197' West
Mc Donald Rest	1770 W. Main St	Rivehread	631-369-1331	Howard Hogan - Tanger	118-3-4	Adj to MS4 & Surface Water
Mc Donald Rest	6333 SR 25A	Wading Rvr		River Triangle LLC	73-1-1.2	Adjacent
Meetinghouse Creek Inn	177 Meeting House Creek Rd.	Aquebogue	631-722-4220	Lighthouse Yacht Club L	86-2-17.2	adj to surface water; Str 565' sth
Peconic Bay Diner	871 Old Country Road (CR 58)	Riverhead	631-369-7758	Pericles Bakas Trustees	104-1-8.3	Adjacent
Taco Bell	1220 Old Country Rd.	Riverhead	631-727-4068	LB Diamond & Sons LLC	102-3-1.1	Adjacent
TGIF`	1480 Old Country Rd	Riverhead	631-506-0240	Riverhead Ctr LLC	101-2-11.1	
Tweeds Buffalo Bar	17 E Main St	Riverhead	631-208-3151	Peaches Unlimited	128-6-69	49' to the East
Wendy's	1165 Old Country Rd	Riverhead	631-369-3231	Wendy's Old Fashioned	108-4-5.1	60' North
Wok & Roll	1770 W. Main St	Riverhead	631-727-1930	Howard Hogan - Tanger	118-3-4	Adj to MS4 & Surface Water
Vinyard Cater's	978 Main Road (SR 25)	Aquebogue		Anthippi Inc.	67-3-24.6	Adj to SR 25 CB and on site wtlds
Panera	11 Commerce Avenue	Riverhead		Paul Martin LLC	101-1-10.5	Adjacent
Digger O'Dell's	72 W. Main Street	Riverhead	631-369-3200	Cheri Wirth	128-6-17	157' to East

Hy Ting Restaurant	54 W. Main Street	Riverhead	631-727-1557	Young Loo	128-6-19.1	Adjacent
Riverhead Grill	75 E. Main St	Riverhead	631-727-8435	Riverhead Enterprises L	128-6-77	N/A
Spicy's BBQ	225 W. Main Street	Riverhead	631-727-2781	James Capkanis	128-3-56	56' to the north
Farm Country Country	513 W. Main Street	Riverhead		Maria Carson	124-4-33	Adjacent to Peconic
Roadhouse Brickoven Pizza	1111 W. Main Str	Riverhead	631-208-9888			
Athens Gyro and Grill	33 E. Main St	Riverhead	631-727-1301			
Haiku	40 E. Main Street	Riverhead	631-727-7778			
Stonewalls Rest	967 Reeve's Ave	Riverhead	631-506-0777			
The Birchwood	512 Pulaski St	Riverhead	631-727-4449			
Casa Rica Rest & Sports Bar	65 E. Main Street	Riverhead	631-727-7909			
Clubhouse at Indian Island	661 Riverside Drive, Unit B	Riverhead	631-727-0788			
Comtesse Theresa Bistro	739 E. Main Street	Riverhead	631-779-2800			
The Cooperage Inn	2218 Sound Ave	Baiting Hollow	631-727-8994			
Cork & Ivy Café	58 W. Main Street	Riverhead	631-369-5323			
Dark Horse Restaurant	1 E. Main Street	Riverhead	631-208-0072			
Everbody's Hero	1104 Old Country Road	Riverhead	631-369-2850			
Funchos Fajita Grill	1156 W. Main St	Riverhead	631-369-7277			
Giorgio's Caterers	100 Fox Hill Dr.	Baiting Hollow	631-727-6076			
Great Steak & Potato	1170 W. Main St.	Riverhead	631-727-6357			
Jedehiah Hawkins Inn	400 S. Jamesport Ave	Riverhead	631-722-2900			
Julia's Pizzeria Rest	29 E. Main St	Riverhead	631-369-8332			
Lucky' House Rest	717 E. Main St	Rivehread	631-727-4881			
Michaels Rest	65 E. Main Street	Riverhead	631-727-0646			
Subway	1093 Rt. 58	Riverhead	631-727-3005			
Taqueria Mesico	709 E. Main Street	Riverhead	631-208-2902			

No apparent threat to MS4 System
Adjacent to MS4 structure - High Threat
Within Impaired Watershed

APPENDIX G

POST CONSTRUCTION MANAGEMENT PLAN

Minimum Control Measure 5 - Post Construction Stormwater Management

Concept

1	Measurement	Meetings with HOA's and Mobile Home parks on Stormwater Management
	Evaluation	
2	Measurement	Perform full cleaning of a minimum of two recharge basins/year. Establish flooding database for the newly cleaned basins
	Evaluation	Has flooding reduced in this area.
3	Measurement	Track flooding areas and determine BMP to reduce future potential
	Evaluation	Implement and add to database in Concept 2 for tracking
4	Measurement	Reduce directly connected impervious surfaces in new developments and redevelopment projects by requireing that grassed swales or filter strips be installed along roadsides in lieu of curbs and gutters
	Evaluation	reduce stormwater runoff by 30

BMP Summary Sheet	
MS4 Name:	Town of Riverhead
Minimum Control Measure:	POST CONSTRUCTION STORMWATE RMANAGEMENT IN NEW DEVELOPMENT AND REDEVELOPMENT
BMP Identification Number	
BMP Title	Development and Implementaion of Structural and/or Non-structural BMPs

Permit Description

You must also select and implement a program of appropriate BMPs and measurable goals for MCM consisting of, at a minimum: Develop and implement strategies which include a combination of structural and/or non-structural BMPs appropriate for your community.

BMP Description

The Town will consider structural (such as wet detention ponds and constructed wetlands) and non-structural (such as grassy swales) stormwater management techniques for managing post-construction stormwater runoff. Construciton of stormwater detention to protect receiving waters such as lakes, wetlands, ponds and creeks will be incorporated within development and redevelopment sites. Guidelines for Integrated Management Practices (IMPs) will be used where practical. BMPs for neighborhood roadway reconstruction projects will be incorporated as needed or as practical.

Locations in SWMP for detailed information relating to this BMP:

Measurable Goals		2012	2013	2014	2015
1	Evaluate design guidelines annually				
2	Investigate new post construction BMP techniques as available or as needed				
3	Include inspection of stormwater management BMPs in the review guidelines for site				
4	Require Developers to inspect BMPs as part of the Site Plan Review/Building Permits				

Timeline/Implementation and Notes:

Review BMP Strategies for Post-construction as needed

Specific Components and Notes:

1 Stormwater detention construction requirements
2 Requirement for consideration of infiltration practices (such as rain gardens, grassy swales, bioretention or filter strips) as practical
3 Local Drainage Plan Update
4 Open Space Protection

Responsible Party for this BMP:	
Department:	
Name:	
Phone:	
E-mail:	

APPENDIX H

STORMWATER POLLUTION PREVENTION PLANS

Municipal Garage – 1412 Old Country Road, Riverhead
Highway Facility – 1177 Osborne Ave., Riverhead
Town Hall West – 1295 Pulaski St., Riverhead

TOWN OF RIVERHEAD

MUNICIPAL GARAGE

STORMWATER POLLUTION PREVENTION PLAN

JANUARY 2011
Engineering Department
Town of Riverhead
1295 Pulaski Street
Riverhead, NY 11901
(631) 727-3200 Ext. 201

Stormwater Pollution Prevention Plan
for:

Town of Riverhead Municipal Garage
1412 Old Country Road/County Route 58
Riverhead, New York 11901
SCTM NO. 0600-108-2-2
(631) 727-3200 x 381

SWPPP Contact(s):

Town of Riverhead
John Reeve

Riverhead, New York 11901
(631) 727-3200 x 391

SWPPP Preparation Date:

1/7/11

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Attachment A – General Location Map
Attachment B – Site Map
Attachment C - Facility Inspection Checklist
Attachment D - Annual Comprehensive Site Compliance Evaluation

SECTION 1: FACILITY DESCRIPTION AND CONTACT INFORMATION

1.1 Facility Information

Facility Information

Name of Facility: Municipal Garage
Street: 1412 Old Country Road/County Route 58
City: Riverhead State: NY ZIP Code: 11901
County or Similar Subdivision: Suffolk County

Latitude: 40.927º N Longitude: 72.688º

Method for determining latitude/longitude: EPA Web site

Is the facility located in Indian Country? ☐ Yes X No

Is this facility considered a Federal Facility? ☐ Yes X No
Estimated area of industrial activity at site exposed to stormwater: 2.6 (acres)

Discharge Information

Does this facility discharge stormwater into an MS4? ☐ Yes X No
If yes, name of MS4 operator: _____
Name(s) of water(s) that receive stormwater from your facility NYSDEC Fresh Water Wetland R-30 and unnamed pond
Are any of your discharges directly into any segment of an "impaired" water? ☐ Yes X No
If Yes, identify name of the impaired water (and segment, if applicable):
Identify the pollutant(s) causing the impairment:
For pollutants identified, which do you have reason to believe will be present in your discharge?
For pollutants identified, which have a completed TMDL?
Do you discharge into a receiving water designated as a Tier 2 (or Tier 2.5) water? ☐ Yes X No
Are any of your stormwater discharges subject to effluent guidelines? ☐ Yes X No
If Yes, which guidelines apply?
Primary SIC Code or 2-letter Activity Code: 7538

Identify your applicable sector and subsector: AE

A map of the facility's general location is included in Attachment A as Figure 1.

1.2 Contact Information/Responsible Parties

Facility Operator (s):
Name: Town of Riverhead Municipal Garage, Richie Warner
Address: 1412 Old Country Road/County Route 58
City, State, Zip Code: Riverhead, NY 11901
Telephone Number: (631) 727-3200 x 391
Email address: warner@riverheadli.com
Fax number: (631) 369-3652

Facility Owner (s):
Name: Town of Riverhead, John Reeve
Address: 200 Howell Avenue
City, State, Zip Code: Riverhead, NY 11901
Telephone Number: (631) 727-3200 x 391
Email address: reeve@riverheadli.com
Fax number: (631) 208-1726

SWPPP Contact:
Name: Richie Warner
Telephone number: (631) 727-3200 x 381
Email address: warner@riverheadli.com
Fax number: (631) 369-3652

1.3 SWPPP Team

Staff Names	Individual Responsibilities
James Wooten	As liaison to the Town Board for Riverhead's MS4 program, Mr. Wooten appropriates the funding necessary to implement and maintain pollution prevention measures required by the SWPPP. Mr. Wooten informs the Town Board of any changes to facility operations that would cause modification to the SWPPP.
John Reeve	Mr. Reeve defines an appropriate set of goals for the SWPPP and monitors overall implementation of the plan.
Richie Warner	Mr. Warner implements SWPPP requirements in conjunction with daily facility operations. He also reviews any changes in facility operations and determines whether modifications are needed to the SWPPP.

1.4 Activities at the Facility

The following activities are conducted at the municipal garage:

- Fueling of town vehicles.
- Washing of town vehicles and equipment.

- Service and repair of town vehicles and equipment.
- Operation of the town impound yard.

A copy of the facility site map is included in Attachment B as Figure 2.

SECTION 2: POTENTIAL POLLUTANT SOURCES

2.1 Industrial Activity and Associated Pollutants

Industrial Activity	Associated Pollutants
Fueling	Diesel or gasoline
Vehicle impoundment	Leaking diesel, gasoline, antifreeze, motor oil, battery acid, brake fluid, transmission fluid or hydraulic fluid
Filling or emptying petroleum storage tanks	Gasoline, diesel, or used motor oil
Material transportation through Highway Dept access road on west side of Municipal Garage	Salt and soils

2.2 Spills and Leaks

Areas of Site Where Potential Spills/Leaks Could Occur

Location	Outfalls
Fuel dispensers	NYSDEC Wetland R-30 and unnamed pond west of paved parking area (sheet flow).
Vehicle impoundment	NYSDEC Wetland R-30 (man-made gully and sheet flow).
Petroleum storage tanks - Gasoline (south end of building), diesel (one at north end and one at south end), or used motor oil (north end of building) tanks	NYSDEC Wetland R-30 and unnamed pond west of paved parking area (sheet flow).

Description of Past Spills/Leaks
No spills or leaks have occurred at the garage during the past three years.

2.3 Non-Stormwater Discharges Documentation

- Date of evaluation: July 1 and 2, 2010.
- Description of the evaluation criteria used: Visual inspection.
- List of the outfalls or onsite drainage points that were directly observed during the evaluation: Three main drainage points were observed. Runoff discharges via sheet flow from part of the dispenser area and from the municipal garage parking area to the unnamed pond west of the parking area. The other two drainage points are located on the east side of the garage building and discharge to NYSDEC wetland R-30. Runoff from the impound area is concentrated and discharged to the NYSDEC wetland through a

manmade gravel-lined swale. Runoff from part of the dispenser area discharges by sheet flow to R-30.

- Different types of non-stormwater discharge(s) and source locations: Discharges to the unnamed pond located originate from the municipal garage parking area. These non-stormwater discharges are comprised of vehicular wash water.
- Action(s) taken, to eliminate unauthorized discharges: On-site washing of vehicles and construction equipment have ceased. Future plans consist of washing Highway Department vehicles and construction equipment at the Scavenger Waste Plant where wash water would be collected and treated. The Scavenger Waste Plant is located at the Town's Wastewater Treatment Facility.

SECTION 3: STORMWATER CONTROL MEASURES

3.1 Good Housekeeping

The municipal garage maintains a clean, orderly work environment in that materials and equipment are neat and well-kept to prevent releases to the environment. Operations are actively maintained in a clean and environmentally friendly manner. Efforts are undertaken to collect, recycle and/or dispose of all excess used materials.

The municipal garage utilizes a three-step process to implement Good Housekeeping measures:

1. Identifying and designating a storage area for every material and every piece of equipment at the garage.
2. Establishing procedures which require that materials and equipment be placed in or returned to designated areas.
3. Establishing a schedule to check for releases and ensure that any releases are being mitigated.

The Town is currently planning for vehicles and construction equipment to be washed at the Scavenger Waste Plant, located at the Wastewater Treatment Facility, where washwater will be collected and treated.

3.2 Maintenance

Preventative maintenance (PM) includes the periodic inspection, maintenance, and testing of targeted facility equipment and systems. These measures are conducted to reveal conditions which could cause breakdowns or failures and result in the discharge of significant materials into storm water.

Tasks performed for general preventative maintenance are as follows:

- When attaching information to equipment and structures, use bold and bright colors consistent with the approach described for good housekeeping.
- Consider and discuss additional procedures beyond those normally recommended by the manufacturer.
- Coordinate scheduling of activities with facility or unit downtime.
- Track duration of materials storage to support an evaluation of container integrity.

- Stormwater leaching pools and inlet piping are inspected and maintained annually. Any additional stormwater structures that require installation as a result of this plan will also be inspected and maintained on this schedule.

In addition, mechanical equipment is inspected on a regular basis. The major elements of the inspection program include monitoring for:

- Cracks or structural failures
- Parts or pieces of equipment not functioning properly
- Degradation or deterioration of equipment
- Equipment in need of cleaning or emptying
- Visual staining in proximity to equipment/vehicles
- Potential releases of any toxic or hazardous materials such as fuel or hydraulic fluid

3.3 Materials Compatibility

Material Safety Data Sheets (MSDS) shall be maintained for each product that is stored or handled at the facility. A three year history shall be maintained for each product detailing any significant leaks or spills, the date, volume, cause and description of the spill, corrective action taken and measures taken to prevent future spills. All storage tanks, containers and associated equipment are designed to be compatible with the respective material stored or handled. All materials, which may be incompatible with other material, are separated and stored in different locations to prevent their coming in contact with each other. Proper labels and signs are used as required.

3.4 Security

A security plan describes the system installed to prevent accidental or intentional entry to a facility that might result in vandalism, theft, sabotage, or other improper or illegal use of the facility. All chemical and petroleum products shall be stored in controlled access areas. Valves shall be locked to prevent unauthorized discharges from the secondary containment structures, tanks and hoses. The Municipal Garage is a fenced and gated facility preventing unauthorized use during off hours.

3.5 Spill Prevention and Response

In the event of a spill, a prompt response is the best means of minimizing any impact to the environment and, in particular, preventing a discharge from reaching the waters of New York State. The operator or employee first becoming aware of a petroleum product spill will assume the role of temporary spill coordinator until he/she can notify the facility's primary spill coordinator. If the temporary spill coordinator is unable to notify the primary spill coordinator or a backup spill coordinator, then he/she will assume the responsibility of implementing an emergency spill response procedure. All employees who could possibly be in the position of having to assume the role of a temporary spill coordinator will be trained in the appropriate health and safety procedures and the implementation of emergency spill response procedures. If they cannot notify the primary spill coordinator or a backup spill coordinator, he or she will be trained in contacting a spill response contractor.

The following agencies shall be notified in the event of a spill include:

Town of Riverhead Police Department	911
Fire Marshall Office	631-727-3200-209
Water Department	631-727-3200-234
Engineering Department	631-727-3200-201
New York State Department of Environmental Conservation Spills Response Hotline	1-800-457-7362

The municipal garage will implement an emergency spill response for any spill, leak, or release of any petroleum product that could reasonably discharge into waters of the State. Emergency spill procedures will include planning, spill assessment, response, containment/source elimination, cleanup and documentation. Incident reporting shall include, at a minimum:

- Names of employees involved
- Date
- Time
- Location
- Response action
- Quantities of materials spilled
- Quantities of cleanup waste generated
- Outside contractors used
- NYSDEC notification
- NYSDEC spill number
- Date of waste disposal
- Waste disposal manifests

3.6 Erosion and Sediment Controls

The gully located on the east side of the site will be filled to surrounding grade with earth, compacted, smoothed and stabilized with an erosion control blanket and grass seed. The drainage area for the gully is substantial. Therefore, a sediment forebay will be installed prior to the existing location of the gully to remove sediment from stormwater runoff before it reaches to the wetland. In addition, a perimeter dike/swale will be installed along the eastern perimeter of the impound yard to reduce both the volume and velocity of stormwater runoff to NYSDEC Wetland R-30. A slotted pipe system connected to two new dry wells is proposed for the length of the paved area adjacent to the unnamed pond on the west side of the municipal garage building. This system will reduce both the volume and velocity of stormwater runoff from the building and paved area.

3.7 Management of Runoff

Existing leaching pools are located on both sides of the building and collect stormwater runoff from the roof. In addition, the same controls to be installed for erosion control will also serve to manage stormwater runoff.

3.8 Employee Training

Employee training is applicable to all levels of responsibility. Components of the SWPPP include jurisdiction levels, beneficial effects, potential consequences and levels of responsibilities of the plan. Municipal garage employees are also trained on sediment and erosion control, good housekeeping, OSHA issues and spill prevention and response.

New employees will receive SWPPP training prior to commencement of activities. Annual refresher training will be provided to all employees.

3.9 Non-Stormwater Discharges

Vehicle and construction equipment washing was formerly conducted in the paved area west of the municipal garage building. This activity has since been terminated. The Town is in the planning stages of coordinating vehicle and construction equipment washing at the Scavenger Waste Plant located at the Town's Wastewater Treatment Facility. Wash water will be collected and treated at the scavenger plant.

SECTION 4: INSPECTIONS

Routine inspections of the equipment and facilities will be conducted weekly. A visual assessment which captures snowmelt discharge will be conducted annually. Inspection reports will be prepared and maintained on site. Records will be maintained for a minimum of three (3) years.

Fleet maintenance is an important component of the SWPPP. Vehicles from the Highway, Police, Building and Grounds and Street Lighting Departments, as well as from the Municipal Garage are kept in good operating condition. Maintenance records are maintained to current date on all vehicles in terms of servicing requirements and inspections.

The overall program effectiveness will be evaluated with subsequent recommendations issued and plan amendments implemented. All revisions, changes, or management activities identified during the evaluation will be completed within 12 weeks of the evaluation. Once the evaluation has been completed, a summary report will be prepared. The report will contain:

- The scope of the evaluation;
- Personnel performing the evaluation;
- The date(s) of the evaluation; and
- Actions to be taken as a result of the evaluation

The report will identify any incidents of noncompliance or certify that the facility is in compliance with the SWPPP. The report will be signed by the appropriate SWPPP representative and kept on file with the plan.

A copy of the weekly Facility Inspection Checklist is included in Attachment C and a copy of the Annual Compliance Evaluation Report form is located in Attachment D.

SECTION 5: SWPPP 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 there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Owner/Operator Name: John Reeve Owner/Operator Title: Sanitation Superintendant

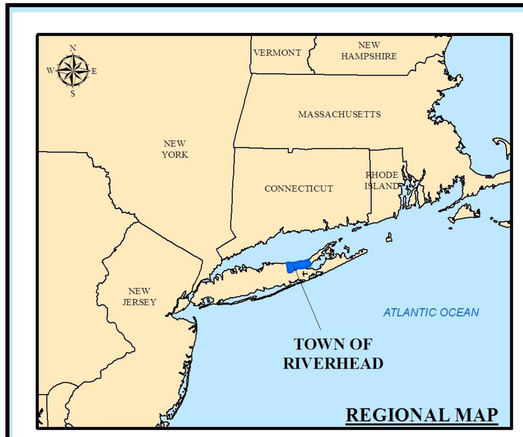
Owner/Operator Signature: _____ Date: _____

SECTION 6: SWPPP MODIFICATIONS

SWPPP Amendment Log

Amend. No.	Description of the Amendment	Date of Amendment	Amendment Prepared by [Name(s) and Title]
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			

ATTACHMENT A



LONG ISLAND SOUND

Jamesport State Park

NORTHVILLE

Main Rd

JAMESPORT

BAITING HOLLOW

Wildwood State Park

WADING RIVER

AQUEBOGUE

Route 25A

SITE

Calverton National Cemetery

State Hwy 25

Middle Country Rd

RIVERHEAD

Main St

FLANDERS BAY

W Main St

Nugent Dr

Enterprise Park at Calverton (EPCAL)

CALVERTON

Rail Access

Edwards Ave

Flanders Rd

Middle Country Rd

Suffolk County Court

Riverhead-Hampton Bays Rd

I-495

State Hwy 27

0 0.25 0.5 1 Miles

Municipal Garage

TOWN OF RIVERHEAD

Suffolk County
State of New York

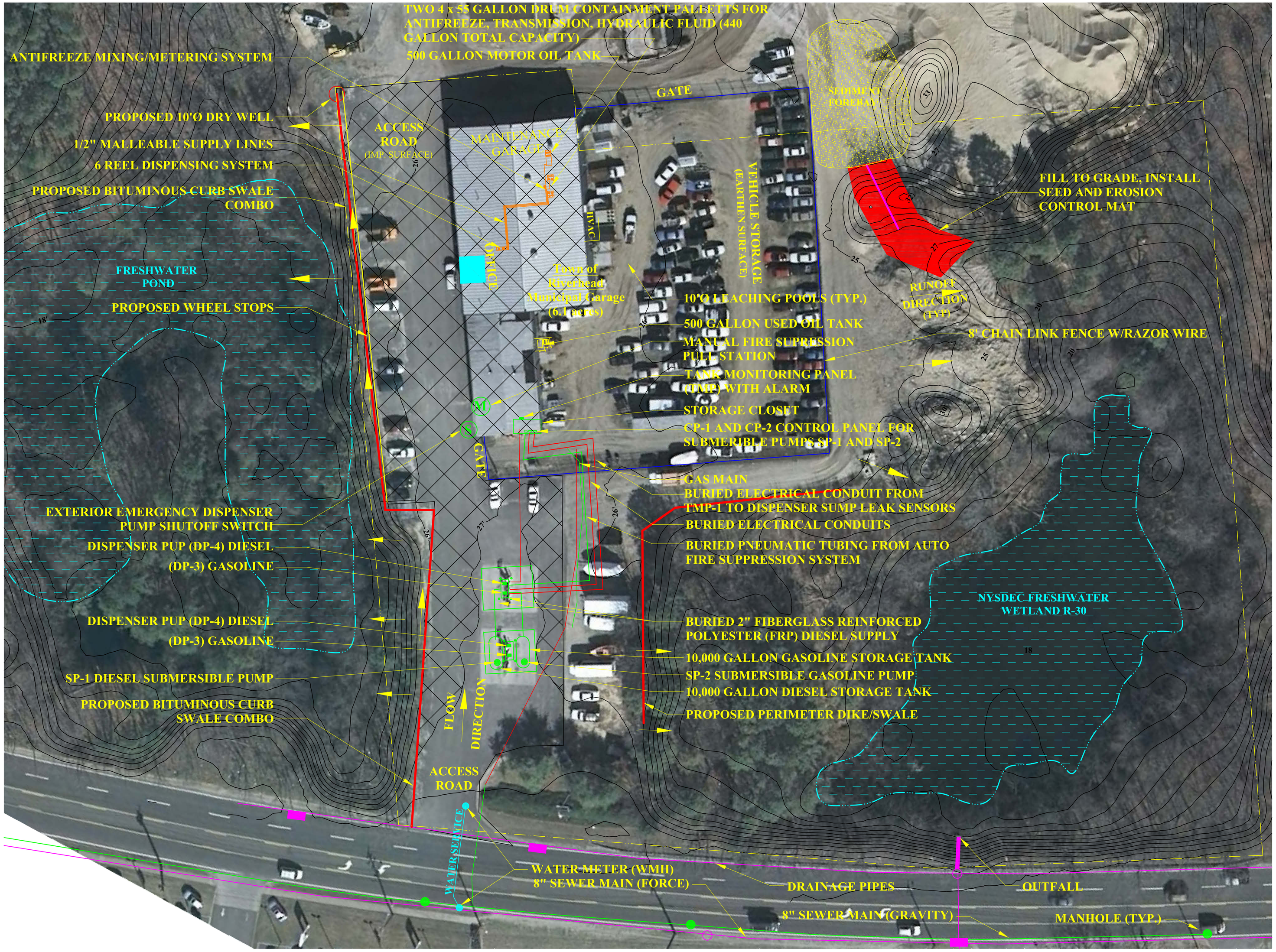
LEGEND

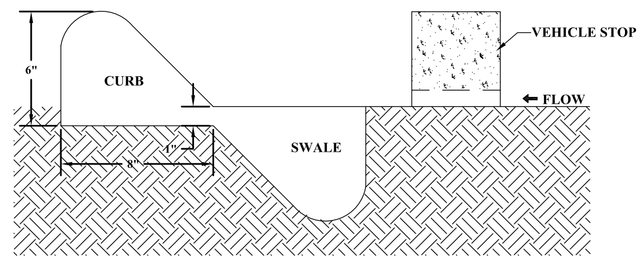
- Town Roads
- County Roads
- Interstate/State Roads
- Railroad
- Town Boundary

General Location Map

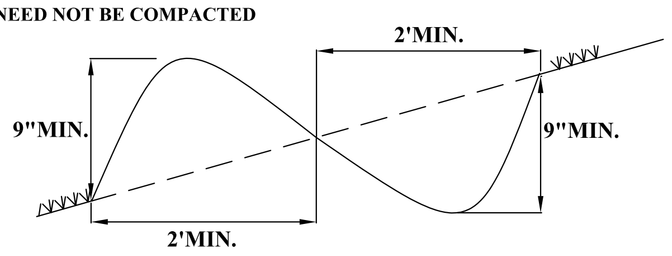
Figure 1

ATTACHMENT B





BITUMINOUS CURB/SWALE DETAIL
not to scale



PROPOSED PERIMETER DIKE/SWALE DETAIL
not to scale

ON SITE WASHING OF VEHICLES AND CONSTRUCTION EQUIPMENT HAS CEASED. TOWN VEHICLES AND CONSTRUCTION EQUIPMENT WILL BE WASHED AT THE SCAVENGER WASTE PLANT WHERE WASH WATER WILL BE COLLECTED AND TREATED. THE SCAVENGER WASTE PLANT IS LOCATED AT THE TOWN'S WASTE WATER TREATMENT FACILITY.

TOWN OF RIVERHEAD
200 HOWELL AVENUE
RIVERHEAD NEW YORK 11901

NO.	DATE	DESCRIPTION
1	3/14/2011	UPDATES DUE TO PROPOSED OPERATIONS CHANGES

TOWN OF RIVERHEAD DEPARTMENT OF SANITATION

STORM WATER POLLUTION PREVENTION PLAN

DATE: **JANUARY 2011**
DRAWN BY: **TH/DD/RH**
SCALE: **1:30** 30 15 0 15 30

Site Map
Figure 2

ATTACHMENT C

Weekly Inspection Checklist

Facility Name:_____

Date:_____

Time Inspection Began:_____ Time Inspection Ended:_____

Weather Conditions_____

Inspectors Name:_____

General

Comments:_____

_____

_____

_____

General Site Conditions

	Problem	
	Yes	No
Roadways, access ramps, loading-unloading (evidence of spills, leaks, odors or unauthorized discharge)		
Structural Controls		
Tanks and Containers		
Drainage Areas:		
Obstructions		
Evidence of erosion		
Presence of windblown debris		
Ponding of water		

ATTACHMENT D

ANNUAL COMPREHENSIVE SITE COMPLIANCE EVALUATION FORM

I. Date of Evaluation: _____

II. Personnel Performing Evaluation: _____

_____

_____

III. Scope of Evaluation

The annual compliance evaluation included a review of the site's storm water pollution prevention plan as well as the on-site management practices and structural controls. The plan was reviewed to verify the permit requirements for such items as personnel training, inspections and sampling procedures had been met in the previous year. A review of the site was performed to identify if any evidence, or the potential of contamination was present. In addition, the following questions were addressed during the evaluation.

- Are there any new or previously unidentified areas not included in the plan?
- Are there any new or previously unidentified pollutants not included in the plan?
- Are the current measures to reduce pollutants adequate?
- Are the structural devices and controls operating correctly?
- Are the structural devices and controls implemented as described in the plan?
- Are additional devices or controls needed?

Incidents of non-compliance identified in the evaluation must be addressed in this report.

IV. Actions to be Undertaken

Are actions to be taken or revisions to the stonn water plan required? Yes No

If yes, describe: _

_____

_____

_____

If plan revisions are necessary, they must be completed within 2 weeks of this evaluation. Modifications to the storm water plan or implementation of non-structural measures or controls must be completed within 12 weeks of the evaluation. Changes which require construction of structural measures or controls must be completed within 3 years of the evaluation.

V. Certification

I hereby certify that I have evaluated the storm water program of the Riverhead Municipal Garage and determined that the site is in compliance with both the current storm water permit and storm water pollution prevention plan.

Signature: _____

Title: Superintendent, Municipal Garage

Date: _____

* Retain a copy of this report in the plan for at least 3 years.

TOWN OF RIVERHEAD

HIGHWAY DEPARTMENT

STORMWATER POLLUTION PREVENTION PLAN

January 7, 2011
Revision 1 – March 14, 2011
Revision 2 – April 3, 2012

Engineering Department
Town of Riverhead
1295 Pulaski Street
Riverhead, NY 11901
(631) 727-3200, Ext. 201

Stormwater Pollution Prevention Plan
for:

Town of Riverhead Highway Department
1177 Osborn Avenue
Riverhead, New York 11901
SCTM NO. 0600-108-2-1
(631) 727-3200, Extension 228

SWPPP Contact(s):

Town of Riverhead
George Woodson
1177 Osborn Avenue
Riverhead, New York 11901
(631) 727-3200, Extension 228

SWPPP Preparation Date:

1/7/2011
Revision 1 – 3/14/11
Revision 2 – 4/3/12

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Attachment D - Annual Comprehensive Site Compliance Evaluation

SECTION 1: FACILITY DESCRIPTION AND CONTACT INFORMATION

1.1 Facility Information

Facility Information

Name of Facility: Highway Department
Street: 1177 Osborn Avenue
City: Riverhead State: NY ZIP Code: 11901
County or Similar Subdivision: Suffolk County

Latitude: 40.929º N Longitude: 72.689º
Method for determining latitude/longitude: New York State Department of Conservation (NYSDEC) Stormwater Interactive Map
Is the facility located in Indian Country? ☐ Yes X No

Is this facility considered a Federal Facility? ☐ Yes X No
Estimated area of industrial activity at site exposed to stormwater: 7.4 (acres)

Discharge Information

Does this facility discharge stormwater into an MS4? ☐ Yes X No
If yes, name of MS4 operator: _____
Name(s) of water(s) that receive stormwater from your facility NYSDEC Fresh Water Wetland R-30 and unnamed pond
Are any of your discharges directly into any segment of an "impaired" water? ☐ Yes X No
If Yes, identify name of the impaired water (and segment, if applicable):
Identify the pollutant(s) causing the impairment:
For pollutants identified, which do you have reason to believe will be present in your discharge?
For pollutants identified, which have a completed TMDL?
Do you discharge into a receiving water designated as a Tier 2 (or Tier 2.5) water? ☐ Yes X No
Are any of your stormwater discharges subject to effluent guidelines? ☐ Yes X No
If Yes, which guidelines apply?
Primary SIC Code or 2-letter Activity Code:

Identify your applicable sector and subsector: AE

A map of the facility's general location is included in Attachment A as Figure 1.

1.2 Contact Information/Responsible Parties

Facility Operator (s):
Name: Town of Riverhead Highway Department, George Woodson
Address: 1177 Osborn Avenue
City, State, Zip Code: Riverhead, NY 11901
Telephone Number: (631) 727-3200, Extension 228
Email address: woodson@riverheadli.com
Fax number: (631) 727-0674

Facility Owner (s):
Name: Town of Riverhead, George Woodson
Address: 1177 Osborn Avenue
City, State, Zip Code: Riverhead, NY 11901
Telephone Number: (631) 727-3200, Extension 228
Email address: woodson@riverheadli.com
Fax number: (631) 727-0674

SWPPP Contact:
Name: George Woodson
Telephone number: (631) 727-3200, Extension 228
Email address: woodson@riverheadli.com
Fax number: (631) 727-0674

1.3 SWPPP Team

Staff Names	Individual Responsibilities
James Wooten	As liaison to the Town Board for Riverhead's MS4 program, Mr. Wooten appropriates the funding necessary to implement and maintain pollution prevention measures required by the SWPPP. Mr. Wooten informs the Town Board of any changes to facility operations that would cause modification to the SWPPP.
George Woodson	Mr. Woodson defines goals for the SWPPP, implements SWPPP requirements in conjunction with daily facility operations, monitors overall implementation of the plan, and reviews any changes in facility operations and determines whether modifications are needed to the SWPPP.

1.4 Activities at the Facility

The following activities are conducted at the Highway Department:

- Salt storage for roadway deicing.

- Staging and mixing of sand and salt for application to roadways when ice accumulates.
- Grading fill which is used as road bed material.
- Staging area to mix sand and salt which is applied to roadways when ice accumulates.
- Indoor storage of construction equipment in bays located beside the office building.
- Outdoor storage of construction equipment.
- Conducting administrative activities within an on-site office building for operation of the Highway Department.
- Construction equipment includes but is not limited to: pickup trucks, vacuum trucks, cranes, back hoes, bull dozers, pavers, street sweepers, vibratory rollers, dump trucks and trailers.
- Storage of waste oil within a 55-gallon drum from equipment such as chain saws, etc. The waste oil is recycled as chain lubricant for the snow plow sanders.
- Stockpiling construction materials such as large aggregate and sand mixes for use throughout the year.

The Municipal Garage is located in close proximity to the Highway Department. If a truck requires maintenance service it is automatically transported to the Municipal Garage.

A copy of the facility site map is included in Attachment B as Figure 2.

SECTION 2: POTENTIAL POLLUTANT SOURCES

2.1 Industrial Activity and Associated Pollutants

Industrial Activity	Associated Pollutants
Storage and mixing of salt	Sodium chloride and calcium chloride
Storage of construction equipment	Leaking diesel, gasoline, antifreeze, motor oil, battery acid, brake fluid, transmission fluid or hydraulic fluid
Emptying waste oil from chain saws, etc. and lubricating snow plow sander chains	Used motor oil
Lubricating equipment	Grease

2.2 Spills and Leaks

Areas of Site Where Potential Spills/Leaks Could Occur

Location	Outfalls
Salt and sand mixing area	NYSDEC Wetland R-30 (sheet flow).
Outdoor construction equipment storage	NYSDEC Wetland R-30 (sheet flow).
Outdoor equipment lubrication	NYSDEC Wetland R-30 (sheet flow).

Description of Past Spills/Leaks
No spills or leaks have occurred at the Highway Department during the past three years.

2.3 Non-Stormwater Discharges Documentation

- Date of evaluation: August 25, 2010.
- Description of the evaluation criteria used: Visual inspection.
- Two onsite drainage points were observed during the evaluation. Runoff discharges via sheet flow from the west side of the side of the Highway Yard south to the Municipal Garage parking area, and subsequently to the unnamed pond west of the parking area. The other drainage point is located on the east side of the Highway Yard and discharges to NYSDEC wetland R-30 through a pipe located on the Municipal Garage parcel. Stormwater flows through the pipe to a manmade gravel-lined swale and subsequently to the wetland.
- Different types of non-stormwater discharge(s) and source locations: None.
- Action(s) taken, to eliminate unauthorized discharges: On-site washing of vehicles and construction equipment have ceased. Future plans consist of washing Town vehicles and construction equipment at a proposed wash rack to be located at the just in front (south) of the repair bays at the Highway Yard garage (Figure 2). The wash rack will be equipped with a holding tank for the wash water. When necessary, the Sanitation Department will collect the wash water and transport it to the Scavenger Waste Plant for treatment. The Scavenger Waste Plant is located at the Town's Wastewater Treatment Facility.

SECTION 3: STORMWATER CONTROL MEASURES

3.1 Good Housekeeping

The Highway Department maintains a clean, orderly work environment in that materials and equipment are neat and well-kept to prevent releases to the environment. Operations are actively maintained in a clean and environmentally friendly manner. Efforts are undertaken to collect, recycle and/or dispose of all excess used materials.

The Highway Department utilizes a three-step process to implement Good Housekeeping measures:

1. Identifying and designating a storage area for every material and every piece of equipment at the highway yard.
2. Establishing procedures which require that materials and equipment be placed in or returned to designated areas.
3. Establishing a schedule to check for releases and ensure that any releases are being mitigated.

The Town is currently planning for Town vehicles and construction equipment to be washed in a paved area at the Highway Yard (see above and Figure 2). Wash water will be collected in a drain with a holding tank, removed by the Sanitation Department and transported for treatment to the Scavenger Waste Plant.

3.2 Maintenance

Preventative maintenance (PM) includes the periodic inspection, maintenance, and testing of targeted facility equipment and systems. These measures are conducted to reveal conditions which could cause breakdowns or failures and result in the discharge of significant materials into storm water.

Tasks performed for general preventative maintenance are as follows:

- When attaching information to equipment and structures, use bold and bright colors consistent with the approach described for good housekeeping.
- Consider and discuss additional procedures beyond those normally recommended by the manufacturer.
- Coordinate scheduling of activities with facility or unit downtime.
- Track duration of materials storage to support an evaluation of container integrity.
- Sweeping will be conducted outside of the south salt barn upon completion of each mixing operation but at least daily.

In addition, mechanical equipment is inspected on a regular basis. The major elements of the inspection program include monitoring for:

- Cracks or structural failures
- Parts or pieces of equipment not functioning properly
- Degradation or deterioration of equipment
- Equipment in need of cleaning or emptying
- Visual staining in proximity to equipment/vehicles
- Potential releases of any toxic or hazardous materials such as fuel or hydraulic fluid

3.3 Materials Compatibility

Material Safety Data Sheets (MSDS) shall be maintained for each product that is stored or handled at the facility. A three year history shall be maintained for each product detailing any significant leaks or spills, the date, volume, cause and description of the spill, corrective action taken and measures taken to prevent future spills. All storage tanks, containers and associated equipment are designed to be compatible with the respective material stored or handled. All materials, which may be incompatible with other material, are kept separated and stored in different locations to prevent their coming in contact with each other. Proper labels and signs are used as required.

3.4 Security

A security plan describes the system installed to prevent accidental or intentional entry to a facility that might result in vandalism, theft, sabotage, or other improper or illegal use of the facility. The Highway facility has active burglar and fire alarm systems. All chemical and petroleum products shall be stored in controlled access areas. Valves shall be locked to prevent unauthorized discharges from the secondary containment structures, tanks and hoses. The Riverhead Highway Department is a fenced and gated facility preventing unauthorized use during off hours.

3.5 Spill Prevention and Response

In the event of a spill, a prompt response is the best means of minimizing any impact to the environment and, in particular, preventing a discharge from reaching the waters of New York State. The operator or employee first becoming aware of a petroleum product spill will assume the role of temporary spill coordinator until he/she can notify the facility's primary spill coordinator. If the temporary spill coordinator is unable to notify the primary spill coordinator or a backup spill coordinator, then he/she will assume the responsibility of implementing an emergency spill response procedure. All employees who could possibly be in the position of having to assume the role of a temporary spill coordinator will be trained in the appropriate health and safety procedures and the implementation of emergency spill response procedures. If they cannot notify the primary spill coordinator or a backup spill coordinator, he or she will be trained in contacting a spill response contractor.

The following agencies shall be notified in the event of a spill include:

Town of Riverhead Police Department	911
Fire Marshall Office	631-727-3200-209
Water Department	631-727-3200-234
Engineering Department	631-727-3200-201
New York State Department of Environmental Conservation Spills Response Hotline	1-800-457-7362

The Highway Department will implement an emergency spill response for any spill, leak, or release of any petroleum product that could reasonably discharge into waters of the State. Emergency spill procedures will include planning, spill assessment, response, containment/source elimination, cleanup and documentation. Incident reporting shall include, at a minimum:

- Names of employees involved
- Date
- Time
- Location
- Response action
- Quantities of materials spilled

- Quantities of cleanup waste generated
- Outside contractors used
- NYSDEC notification
- NYSDEC spill number
- Date of waste disposal
- Waste disposal manifests

3.6 Sampling

Stormwater sampling has not been conducted to date. Future sampling results will be included in an appendix.

3.7 Erosion and Sediment Controls

The Highway Department is developed on a relatively level property with grades ranging from 0-3%. There is an open area to the south of the office area that is utilized for screening fill. This area is monitored on a daily basis for erosion. The unnamed surface water body bordering the western portion of the property will be protected by a new dike installed along the northwest perimeter of the site as shown in Figure 2. This dike will prevent stormwater from entering into the water body. In addition, salt and sand are mixed outside the storage barns, and then scraped and placed under a covered storage building.

Runoff from the east side of the site will be collected within a sediment forebay that will be installed as part of the stormwater management system for the Municipal Garage (see Figure 2 in Municipal Garage SWPPP).

3.8 Management of Runoff

Stormwater runoff will be diverted away from the soil screening area and the sand/salt storage area so that the runoff will not be contaminated before it infiltrates into the ground. This will minimize erosion of the screening area, and contamination of the stormwater with salts. The area between the proposed sand/salt mixing pad and the screening area will be graded to direct sheet flow south to the sediment forebay for pre-treatment prior to discharge to the wetland

Existing leaching pools are located on the west and north sides of the office building to collect roof runoff.

3.9 Employee Training

Employee training is applicable to all levels of responsibility. Components of the SWPPP include jurisdiction levels, beneficial effects, potential consequences and levels of responsibilities of the plan. Highway Department employees are also trained on sediment and erosion control, good housekeeping, OSHA issues and spill prevention and response.

New employees will receive SWPPP training prior to commencement of activities. Annual refresher training will be provided to all employees.

3.10 Non-Stormwater Discharges

Vehicle and construction equipment washing was formerly conducted in the paved area west of the municipal garage building. This activity has since been terminated. The Town is currently planning for Town vehicles and construction equipment to be washed in a paved area at the Highway Yard (see above and Figure 2). Wash water will be collected by a drain with a holding tank, removed by the Sanitation Department and transported for treatment to the Scavenger Waste Plant.

SECTION 4: INSPECTIONS

Routine inspections of the equipment and facilities will be conducted quarterly. A visual assessment which captures snowmelt discharge will be conducted annually. Inspection reports will be prepared and maintained on site. Records will be maintained for a minimum of one year.

The overall program effectiveness will be evaluated with subsequent recommendations issued and plan amendments implemented. All revisions, changes, or management activities identified during the evaluation will be completed within 12 weeks of the evaluation. Once the evaluation has been completed, a summary report will be prepared. The report will contain:

- The scope of the evaluation;
- Personnel performing the evaluation;
- The date(s) of the evaluation; and
- Actions to be taken as a result of the evaluation

The report will identify any incidents of noncompliance or certify that the facility is in compliance with the SWPPP. The report will be signed by the appropriate SWPPP representative and kept on file with the plan.

A copy of the weekly Facility Inspection Checklist is included in Attachment C and a copy of the Annual Compliance Evaluation Report form is located in Attachment D.

SECTION 5: SWPPP 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 there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Owner/Operator Name: George Woodson Owner/Operator Title: Highway Department Superintendant

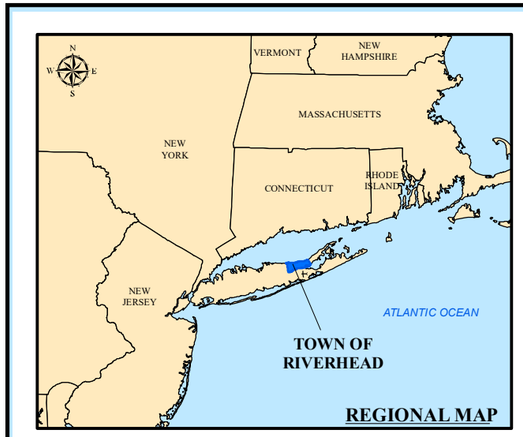
Owner/Operator Signature: _____ Date: _____

SECTION 6: SWPPP MODIFICATIONS

SWPPP Amendment Log

Amend. No.	Description of the Amendment	Date of Amendment	Amendment Prepared by [Name(s) and Title]
1	Added text reflecting maintenance activity of sweeping outside the salt barn upon completion of each mixing operation but at least daily.	4/3/12	Drew Dillingham Ass Town Eng
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			

ATTACHMENT A



LONG ISLAND SOUND

Jamesport State Park

NORTHVILLE

Main Rd

JAMESPORT

BAITING HOLLOW

Wildwood State Park

WADING RIVER

AQUEBOGUE

Route 25A

SITE

Calverton National Cemetery

State Hwy 25

Middle Country Rd

RIVERHEAD

E Main St

W Main St

Nugent Dr

FLANDERS BAY

CALVERTON

Enterprise Park at Calverton (EPCAL)

Rail Access

Edwards Ave

Suffolk County Court

Flanders Rd

Riverhead-Hampton Bays Rd

I 495

State Hwy 27

0 0.25 0.5 1 Miles

HIGHWAY DEPARTMENT

TOWN OF RIVERHEAD

Suffolk County
State of New York

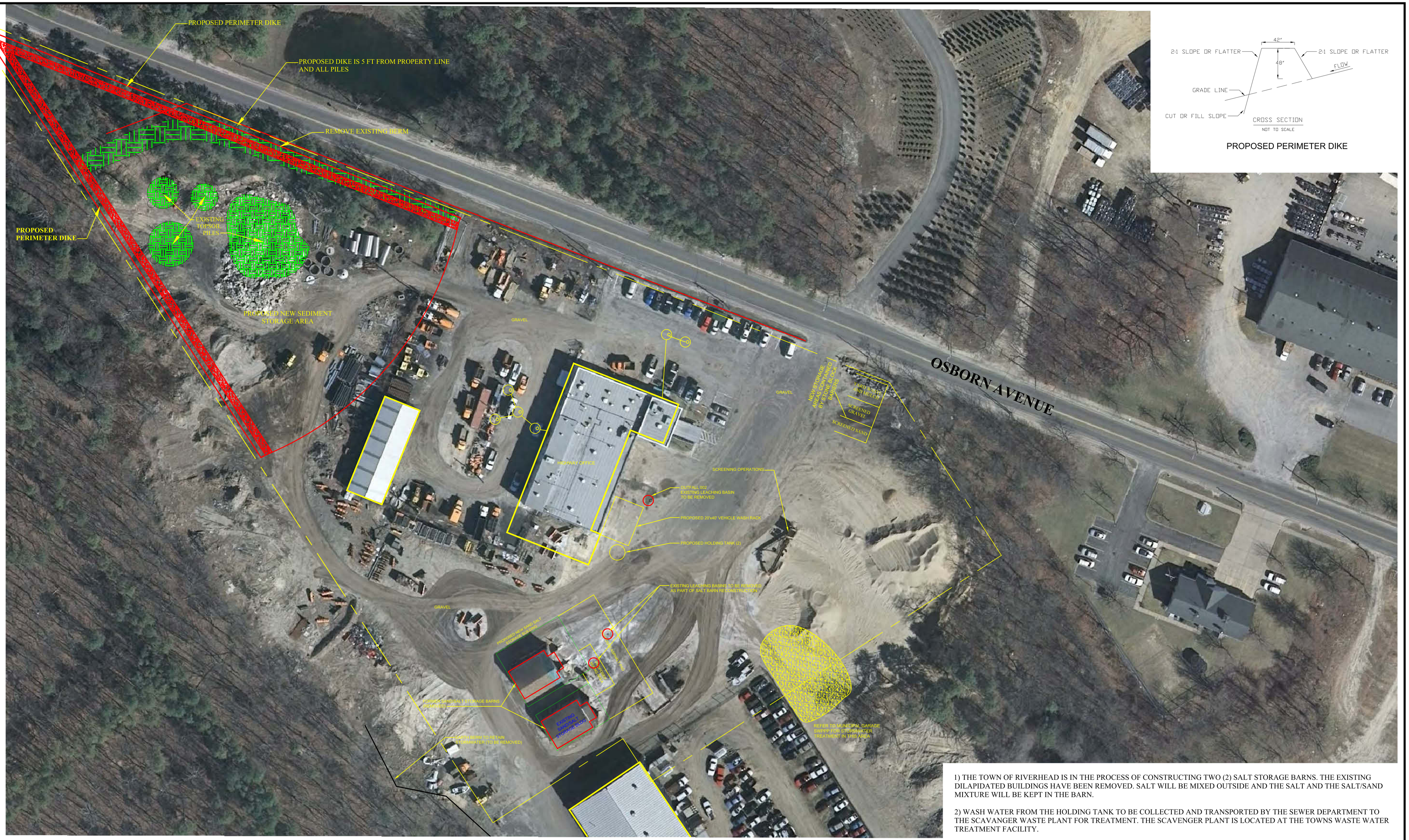
LEGEND

- Town Roads
- County Roads
- Interstate/State Roads
- Railroad
- Town Boundary

GENERAL LOCATION MAP

Figure 1

ATTACHMENT B



PROPOSED PERIMETER DIKE

1) THE TOWN OF RIVERHEAD IS IN THE PROCESS OF CONSTRUCTING TWO (2) SALT STORAGE BARNS. THE EXISTING DILAPIDATED BUILDINGS HAVE BEEN REMOVED. SALT WILL BE MIXED OUTSIDE AND THE SALT AND THE SALT/SAND MIXTURE WILL BE KEPT IN THE BARN.

2) WASH WATER FROM THE HOLDING TANK TO BE COLLECTED AND TRANSPORTED BY THE SEWER DEPARTMENT TO THE SCAVANGER WASTE PLANT FOR TREATMENT. THE SCAVENGER PLANT IS LOCATED AT THE TOWNS WASTE WATER TREATMENT FACILITY.

TOWN OF RIVERHEAD
200 HOWELL AVENUE
RIVERHEAD NEW YORK 11901

NO.	DATE	DESCRIPTION
1	3/14/2011	UPDATED FOR SALT STORAGE BARN RECONSTRUCTION & PROP. OPERATIONS CHANGES

TOWN OF RIVERHEAD HIGHWAY DEPARTMENT

STORM WATER POLLUTION PREVENTION PLAN

DATE: JANUARY 2011

DRAWN BY: CF/DD/RH

SCALE: 1" = 40' (40 20 0 20 40)

SITE MAP
Figure 2

ATTACHMENT C

Weekly Inspection Checklist

Facility Name:_____

Date:_____

Time Inspection Began:_____ Time Inspection Ended:_____

Weather Conditions_____

Inspectors Name:_____

General

Comments:_____

_____

_____

_____

General Site Conditions

	Problem	
	Yes	No
Roadways, access ramps, loading-unloading (evidence of spills, leaks, odors or unauthorized discharge)		
Structural Controls		
Tanks and Containers		
Drainage Areas:		
Obstructions		
Evidence of erosion		
Presence of windblown debris		
Ponding of water		

ATTACHMENT D

ANNUAL COMPREHENSIVE SITE COMPLIANCE EVALUATION FORM

I. Date of Evaluation: _____

II. Personnel Performing Evaluation: _____

_____

_____

III. Scope of Evaluation

The annual compliance evaluation included a review of the site's storm water pollution prevention plan as well as the on-site management practices and structural controls. The plan was reviewed to verify the permit requirements for such items as personnel training, inspections and sampling procedures had been met in the previous year. A review of the site was performed to identify if any evidence, or the potential of contamination was present. In addition, the following questions were addressed during the evaluation.

- Are there any new or previously unidentified areas not included in the plan?
- Are there any new or previously unidentified pollutants not included in the plan?
- Are the current measures to reduce pollutants adequate?
- Are the structural devices and controls operating correctly?
- Are the structural devices and controls implemented as described in the plan?
- Are additional devices or controls needed?

Incidents of non-compliance identified in the evaluation must be addressed in this report.

IV. Actions to be Undertaken

Are actions to be taken or revisions to the stonn water plan required? Yes No

If yes, describe: _

_____

_____

_____

If plan revisions are necessary, they must be completed within 2 weeks of this evaluation. Modifications to the storm water plan or implementation of non-structural measures or controls must be completed within 12 weeks of the evaluation. Changes which require construction of structural measures or controls must be completed within 3 years of the evaluation.

V. Certification

I hereby certify that I have evaluated the storm water program of the Riverhead Municipal Garage and determined that the site is in compliance with both the current storm water permit and storm water pollution prevention plan.

Signature: _____

Title: Superintendent, Sanitation

Date: _____

* Retain a copy of this report in the plan for at least 3 years.

TOWN OF RIVERHEAD

TOWN HALL WEST

STORMWATER POLLUTION PREVENTION PLAN

JANUARY 2011

Engineering Department
Town of Riverhead
1295 Pulaski Street
Riverhead, NY 11901
(631) 727-3200 Ext. 201

Stormwater Pollution Prevention Plan for:

Town Hall West
1295 Pulaski Street
Riverhead, New York 11901
SCTM NO. 0600-121-1-7
(631) 727-3200 x 201

SWPPP Contact(s):

Town of Riverhead
Ken Testa
1295 Pulaski Street
Riverhead, New York 11901
(631) 727-3200 x 279

SWPPP Preparation Date:

1/7/2011

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Attachment A – General Location Map
Attachment B – Site Map
Attachment C - Facility Inspection Checklist
Attachment D - Annual Comprehensive Site Compliance Evaluation

SECTION 1: FACILITY DESCRIPTION AND CONTACT INFORMATION

1.1 Facility Information

Facility Information

Name of Facility: Town Hall West
Street: 1295 Pulaski Street
City: Riverhead State: NY ZIP Code: 11901
County or Similar Subdivision: Suffolk County

Latitude: 40°55'22" Longitude: -72°41'17"

Method for determining latitude/longitude: EPA Web site

Is the facility located in Indian Country? ☐ Yes X No

Is this facility considered a Federal Facility? ☐ Yes X No

Estimated area of industrial activity at site exposed to stormwater: 0.6 (acres)

Discharge Information

Does this facility discharge stormwater into an MS4? ☐ Yes X No

If yes, name of MS4 operator: _____

Name(s) of water(s) that receive stormwater from your facility NYSDEC Fresh Water Wetland R-5.

Are any of your discharges directly into any segment of an "impaired" water? ☐ Yes X No

If Yes, identify name of the impaired water (and segment, if applicable):

Identify the pollutant(s) causing the impairment:

For pollutants identified, which do you have reason to believe will be present in your discharge?

For pollutants identified, which have a completed TMDL?

Do you discharge into a receiving water designated as a Tier 2 (or Tier 2.5) water? ☐ Yes X No

Are any of your stormwater discharges subject to effluent guidelines? ☐ Yes X No

If Yes, which guidelines apply?

Primary SIC Code or 2-letter Activity Code: NA

(refer to Appendix D of the 2006 MSGP)

Identify your applicable sector and subsector: NA

A map of the facility's general location is included in Attachment A as Figure 1.

1.2 Contact Information/Responsible Parties

Facility Operator (s):
Name: Town of Riverhead Town Hall West, Guy Cawley
Address: 1295 Pulaski Street
City, State, Zip Code: Riverhead, NY 11901
Telephone Number: (631) 466-0900
Email address:
Fax number: (631) 369-7739

Facility Owner (s):
Name: Town of Riverhead, Ken Testa
Address: 1295 Pulaski Street
City, State, Zip Code: Riverhead, NY 11901
Telephone Number: (631) 727-3200 x 201
Email address: testa@riverheadli.com
Fax number: (631) 369-7739

SWPPP Contact:
Name: Drew Dillingham, P.E., Christine Fetten, P.E.,
Telephone number (631) 727-3200-201/282
Fax number: (631) 369-7739

1.3 SWPPP Team

Staff Names	Individual Responsibilities
James Wooten	As liaison to the Town Board for Riverhead's MS4 program, Mr. Wooten appropriates the funding necessary to implement and maintain pollution prevention measures required by the SWPPP. Mr. Wooten informs the Town Board of any changes to facility operations that would cause modification to the SWPPP.
Ken Testa	Mr. Testa defines an appropriate set of goals for the SWPPP and monitors overall implementation of the plan.
Guy Cawley	Mr. Cawley implements SWPPP requirements in conjunction with daily facility operations. He also reviews any changes in facility operations and determines whether modifications are needed to the SWPPP.

1.4 Activities at the Facility

The following activities are conducted at Town Hall West:

- Woodworking and storage of materials to support repair and construction of Town structures.
- Service and repair of Town lawnmowers and other light landscape equipment.
- Storage and application of agricultural chemicals for landscaping purposes.
- Storage of materials and equipment for street lighting and traffic signals maintenance and repair.
- Storage of materials and equipment for the installation, maintenance and repair of electrical work throughout the Town.

A copy of the facility site map is included in Attachment B as Figure 2.

SECTION 2: POTENTIAL POLLUTANT SOURCES

2.1 Industrial Activity and Associated Pollutants

Industrial Activity	Associated Pollutants
Interior Cleaning	Aerosol air freshener, aerosol baseboard stripper, aerosol disinfectant, aerosol dust mop/dust cloth treatment, aerosol furniture polish, aerosol glass and multi-purpose cleaner, aerosol stainless steel cleaner, all-purpose cleaner, ammonia, bleach, butyl industrial cleaner, carpet prespray and spotter, chlorinal industrial cleaner, disinfectant deodorant, finish and wax liquidator, floor finish, germicidal toilet bowl cleaner, glass cleaner, grill, oven and fat fry cleaner, hand and body cleanser, insecticide, liquid cleaning compound – spot remover, liquid disinfectant, liquid hand soap, speed stripper, toilet/urinal deodorant, tub and tile cleaner, underseal and floor conditioner.
Paint and paint removal	Acrylic interior/exterior coating, acrylic interior latex enamel, aerosol metallic primer, topcoat and epoxy enamel, alkyd floor and deck enamel, aluminum heat resistant paint, compartment plastic enamel, exterior oil finish, graffiti remover, graffiti shadow remover, interior flat paint, mineral spirits, oil base exterior paint, polyurethane-drying oil clear finish, petroleum base lubricant, protective coating, resinoid bonded grinding wheels, semi

	gloss paint, silicon carbide bond, solvent base paint, water reducible alkyd exterior clear finish, water base paint, water reducible alkyd interior clear finish.
Exterior maintenance	Calcium chloride solid

2.2 Spills and Leaks

Areas of Site Where Potential Spills/Leaks Could Occur

Location	Outfalls
Fuel oil storage tank (south east corner of site beneath concrete apron) – 1,000 gallons	NYSDEC Wetland R-5 (sheet flow).

Description of Past Spills/Leaks
No spills or leaks have occurred at Town Hall West during the past three years.

2.3 Non-Stormwater Discharges Documentation

- Date of evaluation: August 1 and 2, 2010.
- Description of the evaluation criteria used: Visual inspection.
- List of the outfalls or onsite drainage points that were directly observed during the evaluation: Two main drainage points were observed. Stormwater runoff accumulates along the east and west sides of the site and discharges via sheet flow at the south end of the site and ultimately to NYSDEC Wetland R-5.
- Different types of non-stormwater discharge(s) and source locations: Discharges to the on-site dry well system located along the east side of the property originate from the parking area. These non-stormwater discharges are comprised of vehicular wash water.
- Action(s) taken, to eliminate unauthorized discharges: On-site washing of vehicles and construction equipment have ceased. Future plans consist of washing Highway Department vehicles and construction equipment at the Scavenger Waste Plant where wash water would be collected and treated. The Scavenger Waste Plant is located at the Town's Wastewater Treatment Facility.

SECTION 3: STORMWATER CONTROL MEASURES

3.1 Good Housekeeping

Town Hall West maintains a clean, orderly work environment in that materials and equipment are neat and well-kept to prevent releases to the environment. Operations are actively maintained in a clean and environmentally friendly manner. Efforts are undertaken to collect, recycle and/or dispose of all excess used materials.

Town Hall West utilizes a three-step process to implement Good Housekeeping measures:

1. Identifying and designating a storage area for every material and every piece of equipment at the garage.
2. Establishing procedures which require that materials and equipment be placed in or returned to designated areas.
3. Establishing a schedule to check for releases and ensure that any releases are being mitigated.

The Town is currently planning for vehicles and construction equipment to be washed at the Scavenger Waste Plant, located at the Wastewater Treatment Facility, where washwater will be collected and treated.

3.2 Maintenance

Preventative maintenance (PM) includes the periodic inspection, maintenance, and testing of targeted facility equipment and systems. These measures are conducted to reveal conditions which could cause breakdowns or failures and result in the discharge of significant materials into storm water.

Tasks performed for general preventative maintenance are as follows:

- When attaching information to equipment and structures, use bold and bright colors consistent with the approach described for good housekeeping.
- Consider and discuss additional procedures beyond those normally recommended by the manufacturer.
- Coordinate scheduling of activities with facility or unit downtime.
- Track duration of materials storage to support an evaluation of container integrity.
- Stormwater leaching pools and inlet piping will be inspected and maintained annually. Any additional stormwater structures that require installation as a result of this plan will also be inspected and maintained on this schedule.

In addition, mechanical equipment is inspected on a regular basis. The major elements of the inspection program include monitoring for:

- Cracks or structural failures
- Parts or pieces of equipment not functioning properly
- Degradation or deterioration of equipment
- Equipment in need of cleaning or emptying
- Visual staining in proximity to equipment/vehicles
- Potential releases of any toxic or hazardous materials such as fuel or hydraulic fluid

3.3 Materials Compatibility

Material Safety Data Sheets (MSDS) shall be maintained for each product that is stored or handled at the facility. A three year history shall be maintained for each product detailing any significant leaks or spills, the date, volume, cause and description of the spill, corrective action taken and measures taken to prevent future spills. All storage tanks, containers and associated equipment are designed to be compatible with the respective material stored or handled. All

materials, which may be incompatible with other material are separated and stored in different locations to prevent their coming in contact with each other. Proper labels and signs are used as required.

3.4 Security

A security plan describes the system installed to prevent accidental or intentional entry to a facility that might result in vandalism, theft, sabotage, or other improper or illegal use of the facility. The Town Hall West facility has active burglar and fire alarm systems. All chemical and petroleum products shall be stored in controlled access areas. Valves shall be locked to prevent unauthorized discharges from the secondary containment structures, tanks and hoses. Town Hall West is a fenced and gated facility preventing unauthorized use during off hours.

3.5 Spill Prevention and Response

In the event of a spill, a prompt response is the best means of minimizing any impact to the environment and, in particular, preventing a discharge from reaching the waters of New York State. The operator or employee first becoming aware of a petroleum product spill will assume the role of temporary spill coordinator until he/she can notify the facility's primary spill coordinator. If the temporary spill coordinator is unable to notify the primary spill coordinator or a backup spill coordinator, then he/she will assume the responsibility of implementing an emergency spill response procedure. All employees who could possibly be in the position of having to assume the role of a temporary spill coordinator will be trained in the appropriate health and safety procedures and the implementation of emergency spill response procedures. If they cannot notify the primary spill coordinator or a backup spill coordinator, he or she will be trained in contacting a spill response contractor.

The following agencies shall be notified in the event of a spill include:

Town of Riverhead Police Department	911
Fire Marshall Office	631-727-3200-209
Water Department	631-727-3200-234
Engineering Department	631-727-3200-201

New York State Department of Environmental Conservation Spills Response Hotline	1-800-457-7362

Town Hall West will implement an emergency spill response for any spill, leak, or release of any petroleum product that could reasonably discharge into waters of the State. Emergency spill procedures will include planning, spill assessment, response, containment/source elimination, cleanup and documentation. Incident reporting shall include, at a minimum:

- Names of employees involved
- Date

- Time
- Location
- Response action
- Quantities of materials spilled
- Quantities of cleanup waste generated
- Outside contractors used
- NYSDEC notification
- NYSDEC spill number
- Date of waste disposal
- Waste disposal manifests

3.6 Erosion and Sediment Controls

Paved areas where sediment buildup is present are swept immediately. All non-paved areas are either stabilized with gravel or with a permanent stand of grass. Stormwater runoff which collects along the east and west sides of the property and discharges at the south end of the site is treated and its velocity reduced prior to entering the NYSDEC wetlands behind the Town Hall West buildings. Treatment and velocity reduction occurs when the stormwater enters wooded areas prior to the wetland.

3.7 Management of Runoff

Existing leaching pools are located on the east side of the property within the parking area and collect stormwater runoff from the roofs of the buildings. In addition, the wooded buffer area which provides erosion control also serves to manage stormwater runoff.

3.8 Employee Training

Employee training is applicable to all levels of responsibility. Components of the SWPPP include jurisdiction levels, beneficial effects, potential consequences and levels of responsibilities of the plan. Town Hall West employees are also trained in sediment and erosion control, good housekeeping, OSHA issues and spill prevention and response.

New employees will receive SWPPP training prior to commencement of activities. Annual refresher training will be provided to all employees.

3.9 Non-Stormwater Discharges

Vehicle washing was formerly conducted in the paved parking area on the east side of the site. This activity has since been terminated. The Town is currently planning for vehicles and construction equipment to be washed at the Scavenger Waste Plant, located at the Wastewater Treatment Facility, where washwater will be collected and treated.

SECTION 4: INSPECTIONS

Routine inspections of the equipment and facilities will be conducted weekly. A visual assessment which captures snowmelt discharge will be conducted annually. Inspection reports will be prepared and maintained on site. Records will be maintained for a minimum of three (3) years.

The overall program effectiveness will be evaluated with subsequent recommendations issued and plan amendments implemented. All revisions, changes, or management activities identified during the evaluation will be completed within 12 weeks of the evaluation. Once the evaluation has been completed, a summary report will be prepared. The report will contain:

- The scope of the evaluation;
- Personnel performing the evaluation;
- The date(s) of the evaluation; and
- Actions to be taken as a result of the evaluation.

The report will identify any incidents of noncompliance or certify that the facility is in compliance with the SWPPP. The report will be signed by the appropriate SWPPP representative and kept on file with the plan.

A copy of the weekly Facility Inspection Checklist is included in Appendix C and a copy of the Annual Compliance Evaluation Report form is located in Appendix D.

SECTION 5: SWPPP 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 there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Owner/Operator Name: Ken Testa Owner/Operator Title: Town Engineer

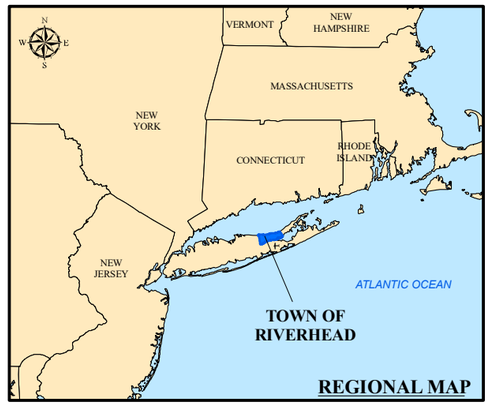
Owner/Operator Signature: _____ Date: _____

SECTION 6: SWPPP MODIFICATIONS

SWPPP Amendment Log

Amend. No.	Description of the Amendment	Date of Amendment	Amendment Prepared by [Name(s) and Title]
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			

ATTACHMENT A



LONG ISLAND SOUND

ATLANTIC OCEAN

Jamesport State Park

NORTHVILLE

Main Rd

JAMESPORT

BAITING HOLLOW

Wildwood State Park

WADING RIVER

AQUEBOGUE

Route 25A

SITE

Calverton National Cemetery

State Hwy 25

Middle Country Rd

RIVERHEAD

Main St

FLANDERS BAY

W Main St

Nugent Dr

Enterprise Park at Calverton (EPCAL)

CALVERTON

Rail Access

Edwards Ave

Suffolk County Court

Flanders Rd

Middle Country Rd

Riverhead-Hampton Bays Rd

I 495

State Hwy 27

Miles
0 0.25 0.5 1

TOWN HALL WEST

TOWN OF RIVERHEAD

Suffolk County
State of New York

LEGEND

- Town Roads
- County Roads
- Interstate/State Roads
- Railroad
- Town Boundary

GENERAL LOCATION MAP

Figure 1

ATTACHMENT B

TOWN OF RIVERHEAD
200 HOWELL AVENUE
RIVERHEAD NEW YORK 11901

NO.	DATE	DESCRIPTION

TOWN OF RIVERHEAD TOWN HALL WEST

BEST MANAGEMENT PRACTICES PLAN

DATE: **August 2010**

DRAWN BY: **Thomas Houghton**

SCALE: **1:30** 30 15 0 15 30

SITE MAP

ATTACHMENT C

Weekly Inspection Checklist

Facility Name:_____

Date:_____

Time Inspection Began:_____ Time Inspection Ended:_____

Weather Conditions_____

Inspectors Name:_____

General

Comments:_____

_____

_____

_____

General Site Conditions

	Problem	
	Yes	No
Roadways, access ramps, loading-unloading (evidence of spills, leaks, odors or unauthorized discharge)		
Structural Controls		
Tanks and Containers		
Drainage Areas:		
Obstructions		
Evidence of erosion		
Presence of windblown debris		
Ponding of water		

ATTACHMENT D

ANNUAL COMPREHENSIVE SITE COMPLIANCE EVALUATION FORM

I. Date of Evaluation: _____

II. Personnel Performing Evaluation: _____

_____

_____

III. Scope of Evaluation

The annual compliance evaluation included a review of the site's storm water pollution prevention plan as well as the on-site management practices and structural controls. The plan was reviewed to verify the permit requirements for such items as personnel training, inspections and sampling procedures had been met in the previous year. A review of the site was performed to identify if any evidence, or the potential of contamination was present. In addition, the following questions were addressed during the evaluation.

- Are there any new or previously unidentified areas not included in the plan?
- Are there any new or previously unidentified pollutants not included in the plan?
- Are the current measures to reduce pollutants adequate?
- Are the structural devices and controls operating correctly?
- Are the structural devices and controls implemented as described in the plan?
- Are additional devices or controls needed?

Incidents of non-compliance identified in the evaluation must be addressed in this report.

IV. Actions to be Undertaken

Are actions to be taken or revisions to the stonn water plan required? Yes No

If yes, describe: _

_____

_____

_____

If plan revisions are necessary, they must be completed within 2 weeks of this evaluation. Modifications to the storm water plan or implementation of non-structural measures or controls must be completed within 12 weeks of the evaluation. Changes which require construction of structural measures or controls must be completed within 3 years of the evaluation.

V. Certification

I hereby certify that I have evaluated the storm water program of the Riverhead Town Hall W. 1295 Pulaski r and determined that the site is in compliance with both the current storm water permit and storm water pollution prevention plan.

Signature: _____

Title: Superintendent, Ken Testa, P.E., Town Engineer _

Date: _____

* Retain a copy of this report in the plan for at least 3 years.

APPENDIX I

POLLUTION PREVENTION/GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS

TRAINING PROGRAM PLAN

MUNICIPAL OPERATIONS ANALYSIS

DEPARTMENT OPERATIONS SPREADSHEET

TRAINING ATTENDANCE SHEETS

HIGHWAY DEPARTMENT
BUILDINGS AND GROUNDS
WATER DISTRICT
SEWER DISTRICTS
DEPARTMENT OF SANITATION

INVENTORY OF TOWN MOTOR VEHICLES

GOOSE MANAGEMENT PLAN

1. PROGRAM REQUIREMENTS

   The United States Environmental Protection Agency's (USEPA) Stormwater Phase II Final Rule and the New York State's MS4 Phase II Stormwater Permit Program require an Operator of a regulated small MS4 to:

   A. Design and implement an operation and maintenance program to reduce and prevent discharge of pollutants to the maximum extent practicable from municipal operations and facilities;
   B. Include a training component in the program on pollution prevention and good housekeeping techniques in municipal operations;
   C. Select and implement manage practices for pollution prevention and good housekeeping in municipal operations and;
   D. Develop measurable goals to ensure the reduction of all pollutants of concern in stormwater discharges to the maximum extent practicable.

   The Town of Riverhead has fashioned this program to meet the requirements of the Federal and State program utilizing different resources to obtain the below described program.

   This program plan will describe the existing Town Operations, methods for self assessments, the local areas considered priorities, principles for pollution prevention, specific facility Best Management Plan overviews, as well as our evaluation and measurement of success for implementing this plan.

2. EXISTING TOWN OPERATIONS

   The Town of Riverhead contains a municipal structure that includes the following departments/divisions as shown in Figure 2-1 that perform operations that sustain the municipal government for the Town.

Town of Riverhead
MS4 General Permit- Town Functions

Building Department		Engineering Department		Highway Department		Municipal Garage		Planning Department - 6		Police Department		Recreation Department		Sanitation Department		Senior Center		Sewer District		Water District 15	
Leroy Barnes, Jr.		Ken Testa, P.E., Town Engineer		George Woodson		John Reeve		Richard Hanley		Chief David Hegermiller		Ray Coyne		John Reeve		Judy Doll		Michael Reichel		Gary Pendzick	
Total # of Employees = 12		Total # of Employees = 28		Total # of Employees = 36		Total # of Employees = 5		Total # of Employees = 6		Total # of Employees =		Total # of Employees =		Total # of Employees = 4		Total # of Employees = 23		Total # of Employees = 14		Total # of Employees = 13	
Subdivisions	**Operations**	**Subdivision**	**Operations**	**Subdivision**	**Operations**	**Subdivision**	**Operations**	**Subdivision**	**Operations**	**Subdivision**	**Operations**	**Subdivisions**	**Operations**	**Subdivision**	**Operations**	**Subdivision**	**Operations**	**15 Employees**		**Subdivision**	**Operations**
	Excavation Permits	Buildings and Grounds	14		Expired Animal Removal		Municipal Fueling		Site Plan Review	Emergency Management		Sports Programs		Solid Waste Management Plan			Meals on Wheels	**Subdivision**	**Operations**		Potable Water Treatment
	Foundation Permits		Municipal Building Maint.		Winter Road Maint.		Impound Yard					Intergenerational Programs			Bid Residential Pick up		Recreational	Sewer District	Sewage Treatment		Water Storage
	Building Permits		Municipal Park Maint.		Storm Drain Maint.		Fleet Maintenance					Recreation Programs			Recycling Program		Food Service		Scavenger Waste		Fleet Storage
			Fleet Storage		Street Sweeping					Detectives					Commercial Recycling		Senior Bus Service		Fleet Storage		Testing
			Capital Improvement Proj		Flood Control									Yard Waste			Fleet Storage	Scavenger Waste	Testing		
		Electrical Services/Street Lighting =4			Street Repair and Maint.									Municipal Waste							
			Street Lights Maint.		Right Of Way Maint.					Sergeants											
			Traffic Signal Maint.		Capital Improv.									Landfill - Capped				Outside Collection			
			Electrical Upgrades		Fleet Storage													Pump stations			
			Fleet Storage	Traffic Safety Committee						Police Officers								Gravity Force Mn.			
		Fire Marshals = 4									**Fleet Storage**		**Fleet Storage**		**Fleet Storage**						
			Fire Department Liaison																		
			Fire Scene Inspections							Dog Pound											
			NYSDEC Spills Liaison																		
		Geographic Information Systems = 1								Traffic Safety Committee											
			Stormwater Mapping							Bay Constable											
			Town wide Mapping services								Dams & Dam Upgrade										
			Web Map Application Dev.								Pump out Boat							**Stormwater Pollutants**		**Stormwater Pollutants**	
		Engineering Department = 5									pump out stations							7000 gal Methanol Tank			
			Stormwater Management																Ferric Chloride (UST)		Calcium Hypochlorite tablets (indoors)
			Capital Improvements																Gaseous Chlorine (indoors)		Calcium Hydroxide (50# bags indoors)
			Facility Improvements																Potassium Permanganate (indoors)		Diesel Fuel-(4) 500 gal AST
			Traffic Safety Committee																Solid Chlorine (indoors)		(3) 1,000 gal AST
			Dark Skies Committee																Diesel Fuel -1,000 gal UST		Diesel Fuel (2) 300 gal AST
Stormwater Pollutants		**Stormwater Pollutants**		**Stormwater Pollutants**		**Stormwater Pollutants**		**Stormwater Pollutants**		**Stormwater Pollutants**		**Stormwater Pollutants**		**Stormwater Pollutants**		**Stormwater Pollutants**			Waste Oil - 275 gal AST		Diesel Fuel (1) 270 gal AST
Construction Sites	MCM 4 - GP-0-10-001	**B&G**	Sediment		Sediment		Leaking Vehicles				Leaking Vehicles		Line striping paint		Sediment				WWTP Emer Gen. 1650 gal ABS -Oil		675 gall AST- Generator
	Sediments		Fertilizers		Hydro-carbons		Hydro-carbons				Pathogens		Lime		Toxins				275 gal. DW AST Riverside Dr. PS-Diesel		propane (2) 2,000 gal UST
	Trash		Pesticides		Toxins		Anti-freeze								Trash				275 gal. DW AST Defriest PS-Diesel		Muratic Acid - Small quantity indoors
	Petroleum Products		Hydro-carbons		Line Striping Paint		Battery Acid												275 gal. DW AST Howell Ave PS Diesel		
			Toxins		Trash in ROW		Brake Fluid												275 gal DW AST Ostrander Ave PS Diesel		
			Lead Based Paint - East Lawn		Chlorides		Transmission Fluids												275 gal DW AST Raynor Ave PS-Diesel		
			Asbestos - Weeping Willow		Lubricating Oils		Sediment												550 gal DW UST W. Main St. PS-Diesel		
		Electrical Services/Street Lighting			Waste Oil		Chlorides												Tanger Rt 58 PS- Gas		
			Mercury Containing Mtl				Diesel xxxx gal UST												Rt. 58 PS- Gas		
			Glass				Gasoline xxx gal UST												Middle Road PS- Gas		
			Hydro-carbons				Waste Oil 500 gal AST												Cranberry St. PS- Gas		
			Toxins																Elton St. PS-Gas		

Best Management Concepts	Best Management Concepts	Best Management Concepts	Best Management Concepts	Best Management Concepts	Best Management Concepts	Best Management Concepts	Best Management Concepts	Best Management Concepts	Best Management Concepts	Best Management Concepts
Develop Sanitary Inspection Program for parcels located within Impaired Watershed Areas Triggered on Building Application Process -Req'd	Remove UST at 1295 Pulaski Street	Construct new salt storage barns	Construct Vehicle Washing Area	Work with code revisions to encourage more green technologies		Incorporate stormwater education and involvement into recreation programs	Begin education component - req'd	Develop a composting program on site	Comply with existing SPDES	Develop dedicated blow off area for lime discharge
	Construct lean to for Plow Storage	Construct lean-to structure over salt spreaders	Construct Canopy over Fuel Island				Begin tracking of waste stream - req	Remove 1,000 gallon UST	Progress smoke testing to determine interconnects with sanitary sewer system	
	Implement Turf Management Program - Req'd	cemetery	Area				Begin commercial recycling program-req'd		Abandon 7,000 gal Methanol storage tank	
	Implement Integrated Pest Management Program - Req'd	pollutants	parking area			Incorporate more recycling efforts in parks			Diesel Tank, replace with gas feed	
	SOPs for deploying Sediment and Erosion Controls	Re-grade facility to allow stormwater to infiltrate							Develop 750kw Wind Turbine to shed 40% of LIPA Load at WWTP	
	Develop method to keep bball infield mtl from migrating	SOPs for deploying Sed.& Erosion Controls								
	Remove 1,000 gal. UST at Henry Phieffer Comm. Ctr									
Public Education Opportunities	**Public Education Opportunities**	**Public Education Opportunities**	**Public Education Opportunities**	**Public Education Opportunities**	**Public Education Opportunities**	**Public Education Opportunities**	**Public Education Opportunities**	**Public Education Opportunities**	**Public Education Opportunities**	**Public Education Opportunities**
Pamphlets	Pamphlets			Pamphlets						
	Posters									
Public Involvement Opportunities	**Public Involvement Opportunities**	**Public Involvement Opportunities**	**Public Involvement Opportunities**	**Public Involvement Opportunities**	**Public Involvement Opportunities**	**Public Involvement Opportunities**	**Public Involvement Opportunities**	**Public Involvement Opportunities**	**Public Involvement Opportunities**	**Public Involvement Opportunities**
Provide work shops and training opportunities	Pet Waste Management - Country Fair	Leaf Collection		opportunities for developers						
	provide work shops and training opportunities for contractors and consultants	provide work shops and training opportunities for contractors				provide work shops and training opportunities fo				
	Rain Gardens at Parks									
	Distribution of annual perrenial seeds									
Active Areas that Are Progressive	**Active Areas that Are Progressive**	**Active Areas that Are Progressive**	**Active Areas that Are Progressive**	**Active Areas that Are Progressive**	**Active Areas that Are Progressive**	**Active Areas that Are Progressive**	**Active Areas that Are Progressive**	**Active Areas that Are Progressive**	**Active Areas that Are Progressive**	**Active Areas that Are Progressive**
	B&G Recycled Oil	Farm Stormwater Cooperation's	Recycled oil tanks		Boater Pumpout	Deployed additional waste receptacles in parks	STOP DAY			
	Recycled municipal Mercury Containing Bulbs	Leaf Pick Ups	Upgraded underground storage tanks				E-Waste Recycling Opportunities			

Town of Riverhead
MS4 General Permit- Town Functions

Building Department	**Engineering Department**		**Highway Department**	**Municipal Garage**	**Planning Department - 6**	**Police Department**	**Recreation Department**	**Sanitation Department**	**Senior Center**	**Sewer District**	**Water District 15**
Leroy Barnes, Jr.	**Ken Testa, P.E., Town Engineer**		**George Woodson**	**John Reeve**	**Richard Hanley**	**Chief David Hegermiller**	**Ray Coyne**	**John Reeve**	**Judy Doll**	**Michael Reichel**	**Gary Pendzick**
Maintained Facilities	**Maintained Facilities**		**Maintained Facilities**	**Maintained Facilities**	**Maintained Facilities**	**Maintained Facilities**	**Maintained Facilities**	**Maintained Facilities**	**Maintained Facilities**	**Maintained Facilities**	**Maintained Facilities**
755 East Main Street Riverhead	Bayberry Park,	playground & parking lot	1177 Osborne Avenue, Riverhead	Rd, Riverhead		Riverhead	55 Columbus Avenue, Riverhead	483 Youngs Avenue, Riverhead	60 Shade Tree Road, Aquebogue	River Avenue, Riverhead	1035 Pulaski St., Riverhead
	Wading River Duck Ponds	bulkhead, parking lot area, passive park	60 Private Road, off Rt. 25A, Wading River			Animal Control & Adoption Center, 532 Youngs Ave., Riverhead				Calverton Sewer District	125-1-4.2 Plant #2, 1144 Pulaski St., Riverhead
	63 Oakland Dr West, Riverhead	playground	Town of Riverhead Roadways, Drainage Basins, outfalls							Riverside Dr. PS	124-1-27 Plant #3 1035 Pulaski St., Riverhead
	Two Bears Park	1/2 basketball court								Defriest PS	Riverhead
	Nadel Park (Joyce Dv), 9 Joyce Drive, Riverhead	Baseball field, play ground equipment - not fertilized								Howell Ave PS	84-3-39.3 Plant #5, 162 Midle Rd., Riverhead
	Railroad Station	(restroom in bldg)								Ostrander Ave	Riverhead
	Tuthill Parking Lot	parking lot								Raynor Ave PS	Calverton
	East Lawn Building,	no parking lot								W. Main St. PS	Calverton
	Griffing Avenue Parking Lot	municipal parking lot								Tanger Rt 58 PS	57-1-1.5, Plant #9, 218 Grt. Rock Dr., Wading River
	Town Hall, 200 Howell Avenue, Riverhead	municipal building and parking lot								Rt. 58 PS	6-2-p/o 6, Plant #10, 160 Sound Shore Rd., Jamesport
	Stotzky Park, 1236 Pulaski Street	flds., 2 tennis cts, 1 basketball cts, 1 lg. playground, leased day								Middle Road PS	135-1-7.29, Plant #11, 5737 Middle Ctry Rd., Calverton
	Peconic Riverfront	parking lot								Cranberry St. PS	Calverton
	Burns Park	small passive park								Elton St. PS	Riverhead
	Grangebel Park	passive waterfront park									Aquebogue
	West Main Street Comfort Station	in active restroom building									46-3-12, Plant #15, 306 Tuthills Lane, Jamesport
	Lombardi Park,	passive park									Calverton
	First St.Parking Lot	municipal public parking									& Northville Tpk.
	Hamilton Ave. Parking Lot	municipal public parking									
	Osborne Ave., Riverhead	municipal bldg, parking lot									
	Jamesport Amb., 20 Manor Lane, Jamesport	municipal bldg, permeable parking lot									
	71 Town Beach Rd, Jamesport	tennis courts, (1) basket ball court, public restroom parking lot									
	Ftly, 75 Town Beach Rd., Jamesport	5 main docks (120 slips), permeable parking lot									
	South Jamesport Boat Launch Facility	bulkhead, launching ramp, parking lot									
	Iron Pier Beach, 344 Pier Avenue, Jamesport	restrooms, removed playground, parking lot									
	Reeve's Beach, 260 Park Road, Riverhead	beach, public restroom, parking lot									
	Hulse Landign Rd., Wading River	beach access, parking lot									
	Meetinghouse Creek Pk., Aquebogue	passive park, parking lot									
	Grumman Air Memorial,	informational park w/airplanes, parking lot									
	Riley Ave., 9-11 Memorial Pk.	passive park									
	Horton Ave., Basketball Court	(1) basketball court, (1) playunit, passive park, permeable parking									
	Park, 5789 Middle Country Rd, Calverton	4 baseball flds									
	Ctr, 446 S. Jamesport Ave., Jamesport	basketball court, playground, parking lot									
	Community Center, 4062 Grumman Blvd,	Municipal bldg, parking lot and playground									
	133 E. Main Street, Riverhead	municipal bldg, passive park area									
	Eastern Suffolk Music School, 141 E. Main Street, Riverhead	municipal bldg, passive park area									
	Town Hall West, 1295 Pulaski St., Riverhead	municipal bldg, parking lot									

3. SELF ASSESSMENT FOR MUNICIPAL OPERATIONS

The Town has Best Management Plans and Stormwater Pollution Prevention Plans for its larger Facilities, some of which are governed by the Multi-Sector Industrial Permit. The Highway Maintenance Facility located at 1177 Osborn Avenue and the Town Municipal Garage located at 1412 Old Country Road have two separate BMP plans, however since they are adjacent properties they are combined under one Multi-Sector Industrial Permit. The Riverhead Sewer District currently operates under a SWPPP plan for site maintenance and stormwater controls.

Beginning in 2010 the Town will conduct formal self-assessments of our existing policies, procedures and activities that related to pollution prevention and good housekeeping. The assessment will identify both strengths and potential gaps or revisions that need to be addressed for compliance with the Phase II Stormwater Permit Requirements. The assessments will be conducted for each of the following operations:

A. Street Maintenance	Highway Department
B. Winter Road Maintenance	Highway Department
C. Stormwater System Maintenance	Highway Department
D. Vehicle and Fleet Maintenance	Municipal Garage
E. Parks and Open Space Maintenance	Buildings and Grounds
F. Municipal Building Maintenance	Buildings and Grounds
G. Solid Waste Management	Sanitation
H. Streambank and Hydrologic Habitat Maintenance	Engineering and Highway

The Town's Self Assessment for each of the operations will comply with the assessment sheets presented below. As these assessments are completed, if there are any additions required to ensure reduction in potential pollutants they will be updated on an annual basis to coincide with the Stormwater Management Plan Program Annual Report preparation period between March and June. As part of our annual training program, the principles and elements of assessments will be presented to the different Town operations in annual training. The assessments will be utilized as one method to evaluate this program for Minimum Control Measure 6. The results of the assessment are utilized to help determine if the necessary steps are being taken and adequate staff and resources are available to achieve compliance with the Phase II Stormwater Permit Requirements.

In addition, to ensure new employees are adequately education in stormwater pollution prevention and good housekeeping policies, new employees will be presented with literature describing our programs and will be given a survey to assess their comprehension of the program and requirements.

4. LOCAL PRIORITIES

Although the long term goal is to implement pollution prevention and good housekeeping town wide, the Town has fiscal and personnel restrictions which require the need to set priority areas based on previous flooding issues, and proximity to impaired water bodies. The pollutants of concern for the Town of Riverhead include sediment, nitrogen, pathogen and floatables. The Town has identified important factors that will warrant program adjustments such as

A. BMP priorities and selection – grassed swales are appropriate in non-developed and farm land areas, where as they do not have community /logistic support in residential neighborhoods.
B. Scheduling and Frequency of BMP Implementation – The Town will implement BMPs where there is a road system failure such as outfalls and or existing drainage structures. In addition, where funding becomes available through FEMA hazard mitigation monies and/or other grant sources BMP Implementation will occur ahead of schedule in priority areas of the Town.
C. Targeting of different operations or facilities for primary emphasis
    a. Fleet washing – 2011
    b. Reduction in Fertilizers Pesticides – begin in 2011
    c. Increased education
D. Need for more advanced technology or system component upgrades or repairs
    a. Fleet Washing
    b. Road Kill Disposal Methods
E. Need for fostering partnerships with businesses or other public entities within the municipality, or other areas within the watershed but outside of the municipality
    a. Working with Farmers to maintain sediment on farmlands through best management practices and joint ventures.
F. Worker training priorities.
    a. Workers in Highway have the greatest ability for improvement and should be priority for training.
    b. 2011 will begin a new worker MS4 training /survey program before manual labor is begun for newly hired workers in Highway, B&G, Water, Sewer, and Sanitation departments.

The Town of Riverhead is adjacent to the Peconic Estuary System and the Long Island Sound which are very popular tourist areas and bountiful with shellfish. The Peconic River has been identified as impaired due to the increased levels of both nitrogen and pathogens and the Long Island Sound has been impaired due to dissolved oxygen. The Town identifies fertilizers and wildlife animal wastes as a source of these high priority pollutants. There is an issue with converting from conventional chemical fertilizers to organic fertilizers which are animal waste based and generally require an increased application to achieve the same results. The Town is investigating different methods to achieve the turf quality desired while attempting to reduce the output of nitrogen into the environmental system. We are consulting with the NYSDEC and Cornell Cooperative Extension on appropriate and effective

BMPs to utilize. In addition, to nitrogen and pathogens, the Municipal Garage and Highway Department are adjacent to wetland areas, and a municipal potable water well, the municipal operations for both of these facilities are being improved by the implementation of the Best Management Plans of both of these facilities that will serve to implement BMPs to reduce pollutants such as salts and hydrocarbons from entering into either surface water and/or groundwater resources. The Highway Department began the capital improvement project to demolish two existing salt storage barns and replace with two new salt storage barns with increased protection from environmental release of salts.

As part of this program plan is an inventory of all Town Facilities including Town of Riverhead owned/maintained municipal operational facilities, recreational facilities, community centers, and other public centers. This will be incorporated to track process by each facility for improvement to the pollution. In addition, a simple department/division database has been developed to track employee resources and their pollution prevent/good housekeeping training activities.

5. GUIDING PRINCIPLES FOR STORMWATER POLLUTION PREVENTION

   The Town of Riverhead is in the active process of preparing and compiling the below referenced information by facility and preparing policies and procedures for different municipality operations. The estimated completion on base procedures will be by June of 2011.

   a. Prevent Pollution at Its Source – Controlling pollutants at their source and preventing their wider release is more efficient and cost-effective than removing them from stormwater runoff or other water treatment. Remove or capture contaminants before stormwater contact; prevent erosion; and provide multiple barriers to pollutant releases at storage and waste sites.
      i. Sweeping streets (abrasives removal, litter, organic debris removal)
      ii. Secondary containment at storage sites
      iii. Revegetating eroding slopes
      iv. Early capture of hydrocarbons by pretreatment vaults
      v. Animal waste collection and management

   b. Manage Clean Water Runoff and Minimize Pollutant Exposure to Clean Water – Prevent clean water runoff and precipitation from contacting potential pollutants and prevent mixing of clean runoff with polluted water flows.
      i. Structural cover of storage sites
      ii. Roof drainage management
      iii. Site drainage design/runoff diversion
      iv. Maximize infiltration of runoff

   c. Minimize Use of Potential Pollutants – Examine municipal use of all chemicals and other potential pollutants and identify methods of eliminating, reducing or better targeting their use in municipal operations and facilities (including alternative products).
      i. Reduced or alternative pesticide use

ii. Reduced fertilizer use
iii. Reduced road salt and abrasives use
iv. Reduced or alternative exterior cleaning product use

d. Plan for Spills and Accidents – Develop spill prevention and response policies and procedures for ALL facilities that use and/or store chemicals (not just petroleum).
   i. Provide secondary containment
   ii. Equip facility to handle any size of spill
   iii. Assign responsible person/team for response
   iv. Post procedures and emergency contacts

e. Practice Preventative Maintenance – Regularly inspect components of stormwater collection, conveyance and treat system; regularly inspect machinery, pipes, storage tanks and other equipment for leaks or worn parts; regularly calibrate application equipment (salts, pesticides, fertilizers); plan for system upgrades and component replacement and repairs.
   i. Containment of minor leaks and spills with drip pans, absorbent pads
   ii. Use of dry cleanup methods rather than washing
   iii. Establish inspection calendar and incorporate into records/data system
   iv. Establish equipment maintenance and calibration calendar and incorporate into records/data system.

f. Identify Potential Pollution Sources – Identify all municipal facilities and operations that could impact stormwater quality; identify potential pollution sources at each site or for each activity; identify, map and inspect the facility's stormwater drainage system
   i. All material storage sites, especially those with any outside loading or unloading operations
   ii. All fueling sites
   iii. All drainage structures and components
   iv. All sites with animal waste concentrations
   v. Pesticides/fertilizer application areas

g. Plan New Facilities to Include Stormwater Pollution Prevention – Include a stormwater pollution prevention component in all municipal facilities and activities; site new facilities to minimize waterbody impacts.
   i. Minimize impervious surfaces through the use of permeable pavers
   ii. Maintain stream buffers
   iii. Infiltrate runoff
   iv. Eliminate pollutant exposure
   v. Provide spill containment measures and structural stormwater management practices.

h. Improve Data Collection, Mapping, and Records Maintenance – Emphasize improvement of data collection and records maintenance to address higher priority pollution sources and contaminants; improvement of geographic information; and

unification of data management across all relevant municipal departments and operations.

i. Incorporate geographic information systems (GIS) into pollution prevention planning
ii. Maintain chemical usage data (pesticides, fertilizers, salts, solvents, etc.)
iii. Maintain inspection, repair, maintenance records
iv. Integrate records maintenance across departments, based on priorities (e.g., pesticide)

i. Train Employees – Train employees regarding stormwater pollution and prevention practices; identify emergency contacts and reporting procedures; seek employee ideas on pollution prevention methods and priorities; reward employees who participate in prevention program.
    i. General education on importance of stormwater pollution control to all employees
    ii. Targeted training on policies, procedures and best management practices for maintenance staff
    iii. Retraining and continuing education on routine basis for maintenance staff bullet boards, web posting for other options for BMP news and updates.
    iv. Establish and continue employee rewards or recognition program.

j. Ensure Code Compliance by having contractors provide 4 hour sediment and erosion control training course completion prior to performing work within the Town of Riverhead as per the Town's MS4 Permit Requirements.

k. Improve Communications and Coordination – Emphasize communication and coordination across key municipal departments and operations; coordinate stormwater and pollution prevention activities with county and state agencies, organizations and institutions; develop public outreach and citizen participation regarding municipal pollution prevention activities.
    i. Establish a municipal pollution prevention team (Engineering, Planning, B&G, Water, Sewer , Highway, Sanitation)
    ii. Participate in Peconic Estuary Program Committees
    iii. Participate in statewide organizations
    iv. Include stormwater pollution prevention column in municipal newsletter and bulletins
    v. Post informational signs at special project sites
    vi. Encourage participation by citizens and business in special events such as hazardous water collection events or community cleanup days.

6. PROGRESSIVE DEVELOPMENT OF FACILITY BEST MANAGEMENT PLANS

The Town of Riverhead Stormwater Program is a comprised of a Best Management Committee BMC that is comprised of all key department heads and a liaison of the Town Board. The BMC communicates through emails and/or scheduled meetings either all

together or individually with the SMO to discuss Town wide goals and individual department goals and or scheduled work. As personnel resources are contingent upon the economic climate, most times the departments work very closely and aid in helping different departments that are short staffed. The Department heads bring industry standards and innovations to the BMP for discussion and implementation into the program. This program plan will include the actual cleanout of municipal system components, the construction of materials storage facilities, the maintenance of facilities, the recycling of wastes and any other field operations that support pollution prevention.

The Town of Riverhead Municipal Operations Anaylsis Score Card

To determine your total score, simply add the subtotals from each section (a negative number) and add 100, which is the maximum possible score that a community can receive

	9/1/2010
Subtotal Hotspot Facility Management (-12 points possible)	-3
Subtotal Construction Project Management (-12 points possible)	-2
Subtotal Street Repair Maintenance (-10 points possible)	-3
Subtotal Street Sweeping (-10 points possible)	0
Subtotal Storm Drain Maintenance (-8 points possible)	-3
Subtotal Stormwater Hotline Response (-10 points possible)	-7
Subtotal Park and Landscape Maintenance (-10 points possible)	-6
Subtotal Residential Stewardship (-10 points possible) **DO NOT INCLUDE IN MOA**	
Subtotal Stormwater Management Practice Maintenance (-10 points possible)	-9
Subtotal Employee Training (-8 points possible)	0

Subtotal All Municipal Operations		-33
Available Points	+	100
Total Score		**67**

The following table will help you estimate the level of effort needed to creat an effective pollution prevention/good housekeeping program in your community:

Score	
90-100	Congradulations! The Town of Riverhead already has many of the elements of an effective pollution prevention/good housekeeping program in place. Focus on combining these elements and creating a well-organized municipal pollution prevention/good housekeeping program.
80-89	The Town of Riverhead has number of the elements of a pollution prevention/good housekeeping program in place, but could use some tweaking in some areas. Revisit the analysis to determine where these improvements are needed.
70-79	Significant opportunities exist to improve your community's pollution prevention efforts. Begin by focusing on the municipal operations that need the most improvement in your community.
60-69	Current pollution prevention/good housekeeping efforts are inadequate and it is likely that your existing municipal operations are negatively impacting local aquatic resources. A significant effort should be made to improve local pollution prevention/good housekeeping efforts.
Less than 60	The Town of Rivehread Municipal Operations are negatively impacting local aquatic resources. A serious effort is needed to improve local pollution prevention/good housekeeping efforts.

Hotspot Facility Management Municipal Operations Analysis (MOA)

	9/1/2010	
Are there any publicly owned or operated stormwater hotspot facilities located within your community?	**Yes** **No**	
If you answer is YES, complete the rest of this section	x	
		Riverhead Highway Yard
How many of the following municipal stormwater hotspot facilities are located within your community?		Wading River Highway Yard
Public Works Yards	2	
		Riverhead Water Plant
*If you have **one or more** public works yards, subtract **1** point*	1	
Vehicle Storage and Maintenance Yards	1	Municipal Garage
Equipment Storage and Maintenance Yards		
Materials Storage Yards		
Wastewater and Water Treatment Facilities	3	Riverhead&Calverton WWTP, Riverhead Water
Landfills	1	Youngs Avenue - Closed
Solid Waste Handling and Transfer Facilities	0	
Hazardous Waste Handling and Transfer Facilities	0	
Compost Facilities		
Public Golf Courses	0	
Public Swimming Pools	0	
Public Buildings	8	200 Howell Ave
		201 Howell Ave
		755 E. Main Str
In total, how many municipal stormwater hotspot facilities are located within your community?	14	60 Shade Tree Lane
		1295 Pulaski St.
*If you have **10 or more** hotspot facilities, subtract **1** point*	-1	446 S. Jamesport Ave
		4062 Grumman Blvd.
Has a simple database that contains basic information about all of the municipal stormwater hotspot located within your community been created?	**Yes** **No** x	55 Columbus Ave.
*If your answer is **NO,** subtract **1** point*	0	
	Yes **No**	
Has a map that shows the locations of all municipal hotspot facilities been created?	x	
*If your answer is **NO,** subtract **1** point*	0	
Have on-site investigations been conducted to identify specific pollution-generating activities and pollution source areas at each municipal stormwater hotspot facility?	**Yes** **No** x	
*If your answer is **NO,** subtract **2** points*	0	
Have pollution prevention plans that identify the pollution prevention/good housekeeping practices (both existing and proposed) used to address specific pollution-generating activities and pollution source areas been created for each municipal hotspot facility?	**Yes** **No** x	
*If your answer is **NO,** subtract **1** point*	0	
Have pollution prevention/good housekeeping practices been implemented and are they effectively controlling and reducing stormwater pollution at municipal hotspot facilities?	**Yes** **No** x	
*If your answer is **NO,** subtract **2** points*	-2	
Is regular stormwater pollution prevention training and education provided to employees working at each of the municipal hotspot facilities?	**Yes** **No** x	
*If your answer is **NO,** subtract **1** point*	0	
Subtotal Hotspot Facility Management *(-12 points possible)*	-3	

Construction Project Management Municipal Operations Analysis

	9/1/2010
Does your community fund or otherwise contribute to capital improvement, development or redevelopment projects? *If your answer is **YES,** complete the rest of this section*	Yes: x / No:
How many capital improvement, development and redevelopment does your community fund in an average year? *If you answered **five or more,** subtract **1** point*	Yes: 7 / No: -1
Has your community drafted and adopted a local erosion and sediment control ordinance? *If your answer is **NO,** subtract **2** points?*	Yes: x / No: 0
Are the 10 critical elements of erosion and sediment control plans, as outlined below, required by the local erosion and sediment control ordinance?	Yes / No
Minimize clearing	x
Protect waterways and stabilize drainage ways	x
Phase Construction	x
Rapid soil stabilization	x
Protect Steep Slopes	x
Perimeter controls	x
Employ advanced settling devices	x
Certified contractors implement plan	x
Assess erosion and sediment control practices after storms	x
*If you answered **NO** to any of the above, subtract **1** point*	-1
Has your community drafted and adopted a local stormwater management ordinance? *If your answer is **NO,** subtract **2** points*	Yes: x / No: 0
Are municipally funded capital improvement, development and redevelopment projects subject to local plan review and site inspection procedures? *If your answer is **NO,** subtract **1** point*	Yes: x / No: 0
Are innovative site design and stormwater management practices that conserve natural areas and reduce impervious cover and stormwater runoff volumes required or encouraged on municipally funded capital improvement, development and redevelopment projects? *If your answer is **NO,** subtract **1** point*	Yes: x / No: 0
Subtotal Construction Project Management *(-12 points possible)*	-2

Capital Improvement, Development and Redevelopment Projects in 2009 (March to March)

Grangebel Park
Weeping Willow Property Acquisition
Oakleigh Avenue
Salt Storaqe Barns
East End Arts Council Sanitary Line Repl.
EPCAL Rail Spur

Street Sweeping Municipal Operations Analysis

	9/1/2010 Yes	No
Does the Town of Riverhead have an established street sweeping program?		
*If your answer is **YES,** complete the rest of this section*	x	
*If your answer is **NO,** subtract **5** points*	0	

Estimate the approximate percentage (%) of public streets and roadways that are swept at least once a month: _____

Which of the following pollutants are targeted by the Town of Riverhead's street sweeping program?	Yes	No
Sediment	x	
Trash and Debris	x	
Leaves and Organic Matter	x	
Nutrients	x	
Other: _____		
*If you answered **NO** to all of the above, subtract **2** points*	0	

	Yes	No
Does the Town of Riverhead schedule leaf pickup and subsequent street sweeping in the fall to pick up leaves and other organic matter?		
*If your answer is **NO,** subtract **2** points*	x 0	

	Yes	No
Does your community schedule street sweeping in the early spring to pick up sand, salt and other street deicing materials?		
*If your answer is **NO,** subtract **2** points*	x 0	

	Yes	No
Does your community use street sweeping equipment (e.g. regenerative air sweepers, vacuum-assist sweepers) that is capable of picking up a wide range of sediment particles?	x	
*If your answer is **NO,** subtract **2** points*	0	

	Yes	No
Does your community provide regular stormwater pollution prevention training and education to employees and contractors involved with street sweeping activities?		
*If your answer is **NO,** subtract **2** points*	x 0	

Subtotal Street Sweeping *(-10 points possible)*	0

Street Repair and Maintenance Municipal Operations Analysis

	9/1/2010 Yes	No
Does your community fund street repair and maintenance projects? *If your answer is* ***YES, complete the rest of this section***	x	

What types of street repair and maintenance projects are community-funded?	Yes	No
Paving	x	
Resurfacing	x	
Pothole Repair	x	
Snow Removal	x	
Deicing and Anti-Icing Operations (application of sand, salt and other deicing materials)	x	
Mowing (within the right-of-way)	x	
Herbicide and Pesticide Application (within the right-of-way)		x
Fertilizer Application (within the right-of-way)		x

	Yes	No	
Are there procedures in place that help prevent paving materials and other potential stormwater pollutants (e.g. salt, pesticides, fertilizers) from entering the municipal storm drain system? *If your answer is* ***NO,*** *subtract* ***3*** *points*		x	-3
Are paving and resurfacing operations conducted during dry weather? *If your answer is* ***NO,*** *subtract* ***2*** *points*	x		0
Are, sand, salt and other roadway deicers properly covered and stored to prevent them from being picked up and conveyed into the storm drain system during storm events? *If your answer is* ***NO,*** *subtract* ***2*** *points*	x		0
Are there procedures in place to help ensure that herbicides, pesticides and fertlizers are properly used within the right-of-way? *If your answer is* ***NO,*** *subtract* ***2*** *points*	x		0
Does your community provide regular stormwater pollution prevention training and education to employees and contractors involved with street repair and maintenance activities? *If your answer is* ***NO,*** *subtract* ***1*** *point*	x		0

Subtotal Street Repair and Maintenance
(-10 points possible)

-3

Storm Drain Maintenance Municipal Operations Analysis (MOA)

	9/1/2010
Are catch basin, inlet, and/or storm drain cleanouts conducted?	Yes No
*If your answer is **YES**, complete the rest of this section*	x
*If your answer is **NO**, subtract **5** points*	0
Estimate the approximate percentage (%) of catch basin, inlet and/or storm drain cleanouts that occur:	
In response to complaints and drainage problems	_____
As part of a regularly scheduled cleanout program	_____
*If more cleanouts occur **"in response to complaints and drainage problems"** than **"as part of a regularly scheduled cleanout program"** subtract **3** points*	
Does the Town of Riverhead have a map that shows the locations of all of its catch basins, inlet and storm drains?	Yes No x
*If your answer is **NO**, subtract **1** point*	0
Does the Town of Riverhead have a database or other tracking system in place to track when and where storm drain maintenance occurs?	Yes No x
*If your answer is **NO**, subtract **2** points*	-2
Are procedures for disposing of materials collected during catch basin, inlet and/or storm drain cleanouts in place?	Yes No x
If your answer is **NO**, subtract **1** point	-1
Does the Town of Riverhead provide regular pollution prevention training and education to employees and contractors involved with storm drain maintenance activities?	Yes No x
*If your answer is **NO**, subtract **1** point*	0
Subtotal Storm Drain Maintenance *(-8 points possible)*	-3

Stormwater Hotline Response Municipal Operations Analysis (MOA)

	9/1/2010 Yes	No
Does the Town of Riverhead have a stormwater hotline that residents can use to report spills, leaks, sanitary sewer overflows, illicit discharges and other water quality problems?	x	
*If your answer is **YES**, complete the rest of this section*	0	
*If your answer is **NO**, subtract 10 points*		
Does the Town of Riverhead have procedures in place for tracking and documenting hotline reports?	Yes	No
	x	
*If your answer is **NO**, subtract **2** points*	0	
What types of water quality problems have previously been reported through the local stormwater hotline?		
Spills		x
Illicit Discharges	x	
Combined Sewer Overflows		x
Sanitary Sewer Overflows		x
Poor In-Stream Water Quality		x
Poorly Maintained Construction Sites		x
Other: _____		
Is there a map that shows the locations of previously reported spills, leaks, sanitary sewer overflows, illicit discharges, or other water quality problems?	Yes	No
		x
*If your answer is **NO**, subtract **1** point*	-1	
Does the Town of Riverhead regularly advertise the phone number, email, address and/or website address that it uses as a stormwater hotline?	Yes	No
	x	
*If your answer is **NO,** subtract **1** point*	0	
Has the Town of Riverhead developed a simple contact database that identifies the local agencies and departments responsible for responding to various hotline reports?	Yes	No
		x
*If your answer is **NO**, subtract **2** points*	-2	
Have all of the local agencies and departments responsible for responding to various hotline reports created standard response plans that outline containment and clean up, safety and waste disposal procedures?	Yes	No
		x
*If your answer is **NO**, subtract **4** points*	-4	
Does the Town of Riverhead provide regular stormwater pollution prevention training and education to employees and contractors involved with hotline response activities?	Yes	No
	x	
*If your answer is **NO**, subtract **1** point*	0	
Subtotal Stormwater Hotline Response *(-10 points possible)*	-7	

Park and Landscape Maintenance Municipal Operations Assessment (MOA)

	9/1/2010
Are there any publicly owned properties greater than one acre in size located within the Town of Riverhead?	Yes: x / No
*If your answer is **YES**, complete the rest of this section*	
Approximately how many of the following publicly owned properties greater than one acre in size are located within the Town of Riverhead?	
Public Parks	14
Public Schools *service separate from Town of Riverhead	15
Public Golf Courses *service separate from Town of Riverhead	
Public Buildings	14
Open Space/Conservation Areas	10
Estimate the approximate percentage (%) of publicly-owned land in the Town of Riverhead	
*If your answer is **> 5%**, subtract **3** points*	-3
Have on-site investigations been conducted on these properties to identify subwatershed restoration opportunities (e.g. pollution prevention, reforestation)?	Yes / No: x
*If your answer is **NO**, subtract **2** points*	-2
Has the Town of Riverhead developed an integrated pest management plan that will help ensure that pesticides are used only as last resort?	Yes / No
If your answer is **NO**, subtract **1** point	-1
Are there procedures in place to help ensure that herbicides, pesticides and fertilizers are properly used on publicly owned properties?	Yes: x / No
*If your answer is **NO**, subtract **1** point*	0
Does the Town of Riverhead use native and naturalized landscaping guidance and plant lists when working on publicly owned properties?	Yes: x / NO
*If your answer is **NO**, subtract **1** point*	0
Are irrigation systems carefully designed to help conserve potable water and provide only the water that plants need to survive	Yes: x / No
*If your answer is **NO**, subtract **1** point*	0
Does the Town of Riverhead provide regular stormwater pollution prevention training and education to employees and contractors involved with park and landscape maintenance activities?	Yes: x / No
*If your answer is **NO**, subtract **1** point*	0
Subtotal Park and Landscape Maintenance *(-10 points possible)*	-6

are we supposed to count schools/golf/parks and open space areas not owned/maintained by the ToR

Residential Stewardship Municipal Operations Analysis (MOA)

	9/1/2010
Has the Town of Riverhead developed any residential stewardship programs to help encourage positive behaviors and discourage negative ones? *If your answer is **YES**, complete the rest of this section* *If your answer is **NO**, subtract **10** points*	**Yes** x **No**
Does the Town of Riverhead have an active storm drain stenciling program? *If your answer is **NO**, subtract **1** point*	**Yes** **No** x -1
Does the Town of Riverhead offer curbside pickup of used automotive fluids and other hazardous household wastes? *If your answer is **NO,** subtract **1** point*	**Yes** **No** x -1
Does the Town of Riverhead collect used automotive fluids and other hazardous household wastes at conveniently located collection centers? *If your answer is **NO**, subtract **1** point*	**Yes** x **No** 0
Does the Town of Riverhead offer free soil testing services to residents to help them determine fertilizing and other lawn care needs? *If your answer is **NO**, subtract **1** point*	**Yes** **No** -1
Does the Town of Riverhead encourage downspout disconnection through the simple distribution of rain barrels and/or the provision of incentives for simple downspout disconnection, rain barrels or rain gardens? *If your answer is **NO**, subtract **2** points*	**Yes** **No** -2
Does the Town of Riverhead encourage tree planting and watershed forestry through the distribution of trees and/or the provision of incentives (e.g. coupons at local nursery)? *If your answer is **NO**, subtract **1** point*	**Yes** **No** x -1
Does the Town of Riverhead regularly advertise its residential stewardship programs? *If your answer is **No,** subtract **2** points*	**Yes** **No** x -2
Does the Town of Riverhead provide regular stormwater pollution prevention and education to employees and contractors involved with its residential stewardship *If your answer is **NO**, subtract **1** point*	**Yes** **No** x -1
Subtotal Residential Stewardship *(-10 points possible)*	-9

Stormwater Management Practice Maintenance Municipal Operations Analysis

	9/1/2010 Yes	No	
Is the Town of Riverhead responsible for the regular upkeep and maintenance of permanent stormwater management practices, including those located on publicly owned lands? *If your answer is **YES**, complete the rest of this section*	x		
Are homeowners associations and/or individual property owners also responsible for the regular upkeep and maintenance of permanent stormwater management practices in the Town of Riverhead? *If your answer is **YES,** please answer the following question*	**Yes** x	**No**	
Has the Town of Riverhead developed a database or other tracking system that identifies the homeowners associations and/or individual property owners responsible for the regular upkeep and maintenance of permanent stormwater management practices in the Town of Riverhead? *If your answer is **NO,** subtract **1** point*	**Yes**	**No** x	-1
What types of permanent stormwater management practices is the Town of Riverhead currently responsible for maintaining?	**Yes**	**No**	
Detention/Extended Detention Ponds	x		
Wet Ponds	x		
Stormwater Wetlands	x		
Bioretention Areas	x		
Filtration Practices	x		
Infiltration Practices	x		
Swales	x		
Proprietary Devices	x		
Is there a map that shows the locations of all of the permanent stormwater management practices that the Town of Riverhead is responsible for maintaining? *If your answer is **NO**, subtract **1** point*	**Yes** x	**No**	0
Has the Town of Riverhead established an inspection and maintenance program under which permanent stormwater management practices are periodically inspected and maintained? *If your answer is **NO**, subtract **4** points*	**Yes**	**No** x	-4
Does the Town of Riverhead have procedures in place for tracking and documenting maintenance activities? *If your answer is **NO**, subtract **1** point*	**Yes**	**No** x	-1
Does the Town of Riverhead have a dedicated funding source, such as an operating budget or stormwater user fee program, for its stormwater management practice maintenance activities? If your answer is NO, subtract 2 points	**Yes**	**No** x	-2
Does the Town of Riverhead provide regular stormwater pollution prevention training and education to employees and contractors involved with stormwater management practice inspection and maintenance activities? If your answer is NO, subtract 1 point	**Yes**	**No** x	-1
Subtotal Stormwater Management Practice Maintenance *(-10 points possible)*			-9

Employee Training Municipal Operations Analysis

	9/1/2010 Yes	No
Does the Town of Riverhead provide regular stormwater pollution prevention training and education to municipal employees and contractors?		
*If your answer is **YES**, complete the rest of this section*	x	
*If your answer is **NO**, subtract 10 points*		

Review the work that you have completed so far and record the subtotals for each municipal operation below:

Hotspot Facility Management	-3
Construct Project Management	-2
Street Repair and Maintenance	-3
Street Sweeping	0
Storm Drain Maintenance	-3
Stormwater Hotline Response	-7
Park and Landscape Maintenance	-6
Residential Stewardship	-9
Stormwater Management Practice Maintenance	-9

Identify the municipal operation that received the lowest score:

Residential Stewardship
Stormwater Management Pract Main.

	Yes	No
For the operation that received the lowest score, does The Town of Riverhead have a simple contact database that identifies all of the employees and contractors involved with that operation	x	
*If your answer is **NO**, subtract **2** points*	0	

	Yes	No
Does the Town of Rivehread provide regular stomrwater pollution prevention training and education to these employees?	x	
If your answer is **No**, subtract **4** points	0	

	Yes	No
Based on the results of employee awareness surveys, have the community's existing training and education programs increased employee's overall awareness about the link between municipal operations and stormwater quality?		
*If your answer is **NO**, subtract **2** points*	x	
	0	

Subtotal Employee Training (-8 points possible)	0

Self Assessment Sheets **Town of Riverhead**

Municipal Operation: 2013

Street Maintenance by the Town Highway Department & B&G for 1.e

1. Status of Policies and Procedures		Est'd	Format (doc)	Latest Review	Content
a	street cleaning priorities	N			
b	schedules and frequency	3x a year			
c	priority waterbody considerations (PWL, Section 303(d) List/TMDL, other)	N			
d	equipment	N			
e	sidewalks and municipally owned parking lots cleaning	Y			
f	maintenance of unpaved roads (draiange, erosion and dust control)	Y			

IMPLEMENTATION		2010	2011	2012	2013
i	Approximate quantity (tons or CY) of degris cleaned from streets, sidewalks, and parking lots (Cumulative for calendar year)	425miles	406 miles	308 miles	242 miles
ii	Street maintenance staff retraining or continuing education activities related to policies, procedures and stormwater management				Y
iii	Street maintenance policies and procedures, or BMP updates or revisions				Y
iv	Erosion control and drainage measures implemented for roads.				Y

2. Staff		2010	2011	2012	2013
a	Number of staff (with significant roles in municipal operations of reach category)?				32
b	Percent to staff receiving training in pollution prevention, good				100%
c	Percent of staff trained in existing policies and procedures				100%

3. Equipment		2010	2011	2012	2013
a	Adequacy: are upgrades or new equipment needed?				Y
b	Proper maintenance scheduels implemented?				Y

4. Coordination/Collaboration					
a	Are policies consistent across municipal departments?	2010	2011	2012	2013
	i pesticide use in dfferent operations				Y
	ii recycling				Y
b	Are County, Regional or State agencies consulted or involved in municipal pollution prevention and good housekeeping efforts?				Y
c	Are community groups and citizens involved either through volunteer assistance, advisory roles, or outreach and education?				N

Self Assessment Sheets Town of Riverhead

Municipal Operation: 2013 **Winter Road Maintenance**

1. Status of Policies and Procedures		Established	Format (doc)	Latest Review	Content
a	deicing material storage methods	Y			
b	storage site operations and cleanup	Y			
c	salt reduction options, including alternative materials	N			
d	improved application technologies	N			
e	application equipment maintenance	Y			
f	vehicle washing	Y			
g	sensitive ecosystems or priority waterbody considerations (PWL,	N			
h	drinking water well considerations, including private wells	N			

IMPLEMENTATION		2010	2011	2012	2013
I	Salt storage structures have been inspected for structural integrity and necessary repairs have been scheduled or completed				Y
ii	All deicing materials, including salt-sand mixed abraisves, have been stored under permanent or temporary cover.			Y	Y
iii	Application technology components (spreaders, road-weather systems, etc.) have been tested, calibrated and maintained at manufacturer recommended intervals				Y
iv	Modified deicing methods (material selection, improved technology, application strategy, training) have resulted in decreased overall annual salt usage accounting for seasonal weather variability . Estimated reduction (tons)				N
v	Winter road maintenance staff training or continuing education				Y
vi	Winter road maintenance policies, procedures or BMP updates or				Y

2. Staff		2010	2011	2012	2013
a	Number of staff (with significant roles in municipal operations of				32
b	Percent to staff receiving training in pollution prevention, good				100%
c	Percent of staff trained in existing policies and procedures				100%

3. Equipment		2010	2011	2012	2013
a	Adequacy: are upgrades or new equipment needed?				Y
b	Proper maintenance scheduels implemented?				Y

4. Coordination/Collaboration		2010	2011	2012	2013
a	Are policies consistent across municipal departments?				Y
	i pesticide use in dfferent operations				Y
	ii recycling				Y
b	Are County, Regional or State agencies consulted or involved in municipal pollution prevention and good housekeeping efforts?				Y
c	Are community groups and citizens involved either through volunteer assistance, advisory roles, or outreach and education?				N

Self Assessment Sheets **Town of Riverhead**

Municipal Operation: 2013 **Stormwater Drainage, Conveyance and Treatment System Maintenance**

1. Status of Policies and Procedures		Established	Format (doc)	Latest Review	Content
a	priority setting for different portions of the system which considers waterbody impacts and other factors (PWL, Section 303(d) List, other)	Y			
b	inspection of system components, and record-keeping and frequency	Y			
c	technology improvements and installation	Y			
d	maintenance, repair and cleanout of system components	Y			
e	prublic education and communications	Y			
f	maintenance of open drainage ditches	N/A			

IMPLEMENTATION		2010	2011	2012	2013
i	approximate quantity (tons or CY) of material cleaned from		6 Tons	2 Tons	2 Tons
ii	length of storm drian pipe cleaned				Y
iii	number of outfalls cleaned	144	35	194	47
iv	updgrades or technology improvements implemented in overall				N
v	Stormwater system maintenance staff training or continuing				Y
vi	Stormwater system maintenance policies, procedures or BMP				Y
vii	Approximate length of open drainage ditches maintained with enhanced implementation of erosion control practices in ditch (e.g. hydroseeding)				N/A

2. Staff		2010	2011	2012	2013
a	Number of staff (with significant roles in municipal operations of				32
b	Percent to staff receiving training in pollution prevention, good				100%
c	Percent of staff trained in existing policies and procedures				100%

3. Equipment		2010	2011	2012	2013
a	Adequacy: are upgrades or new equipment needed?				Y
b	Proper maintenance scheduels implemented?				Y

4. Coordination/Collaboration		2010	2011	2012	2013
a	Are policies consistent across municipal departments?				Y
	i pesticide use in dfferent operations				Y
	ii recycling				Y
b	Are County, Regional or State agencies consulted or involved in municipal pollution prevention and good housekeeping efforts?				Y
c	Are community groups and citizens involved either through volunteer assistance, advisory roles, or outreach and education?				N

Self Assessment Sheets **Town of Riverhead**

Municipal Operation: 2013 **Vehicle and Fleet Maintenance - Municipal Garage & Sewer District**

1. Status of Policies and Procedures		Established	Format (doc)	Latest Review	Content
a	wastewater disposal and treatment from vehicle washing	N			
b	site drainage system maintenance and cleanout	Y			
c	recycling (including oil and antifreeze)	Y			
d	hazardous materials storage	Y			
e	spill prevention and response (Petroleum and other substances)	Y			
f	soild waste disposal	Y			
g	alternatvie product usage	N			

IMPLEMENTATION		2010	2011	2012	2013
i	Number of clanouts of oil and grit separators or similar				N/A
ii	Recycling program results:				Y
	Oil			1490	710
	Antifreeze				200
	Other (Specify)				N/A
iii	Proper treatement and disposal of wastewater from vehicle washing has been implemented. Number of facilities implemented.				N
iv	Fleet maintenance staff training or continuing education activities related to policies, procedures, BMPs and stormwater management.				Y
v	Vehicle and fleet maintenance policies, procedures or BMP updates or revisions.				Y

2. Staff		2010	2011	2012	2013
a	Number of staff (with significant roles in municipal operations of				4
b	Percent to staff receiving training in pollution prevention, good				100%
c	Percent of staff trained in existing policies and procedures				100%

3. Equipment		2010	2011	2012	2013
a	Adequacy: are upgrades or new equipment needed?				Y
b	Proper maintenance scheduels implemented?				Y

4. Coordination/Collaboration		2010	2011	2012	2013
a	Are policies consistent across municipal departments?				Y
	i pesticide use in dfferent operations				Y
	ii recycling				Y
b	Are County, Regional or State agencies consulted or involved in municipal pollution prevention and good housekeeping efforts?				Y
c	Are community groups and citizens involved either through volunteer assistance, advisory roles, or outreach and education?				N

BMP SUMMARY SHEET	
MS4 Name:	Town of Riverhead
Minimum Control Measure:	3 - ILLICIT DISCHARGE DETECTION AND ELIMINATION
Unique BMP Indentification Number:	
BMP Title	Illicit Discharge Detection and Elimination Plan

Permit Description:

You must develop and implement a program to detect and address non-storm water discharges, including illegal dumping, to your system

BMP Description:

Establish program to detect and reduce illegal and/or improper connections to storm drainage systems and receiving water. The Town will focus on the outfall system inspection. If potential illicit discharges are identified, the specific components listed below will be considered for identification of potential sources. A link will be added to the web site to allow residents or other interested parties to report problems, including illicit discharges or illegal dumping.

Location(s) in SWMP of detailed information relating to this BMP:

	Measurable Goals	2012	2013	2014	2015
1	Number of outfalls inspected annually				
2	Number of septic systems inspected annually				
3	Number of septic systems reported as failing or failed each year.				
4	Number of illegal dumping sites that required reporting to the				
5	TOR/NYSDEC				
6	Number of inspections for illicit discharges annually (Including those conducted with outfall inspections				
7	Creation of database to track outfalls and illicit discharges.				

Timeline/Implementation Schedule

1 Annual inspection program will be reviewed and adjusted as needed on an annual bases

2 Annual illicit discharge inspection will be adjusted at end of 2012 reporting period for effectiveness

3 Database/map will be completed to track outfalls and discharges by end of reporting year 2012

4 Spill response plan will be reviewed and updated by end of reporting year 2012

Specific Components and Notes:

1 Report a Problem email address available on the web site http://riverheadli.com/stormmgmt.html

2 Education materiasl, such as bruchures or web site articles, to illustrate hazards associated with illicit discharges

3 Visual screening of storm water inlets during dry weather conditions, at the time of the outfall inspections

4 Septic system evaulations for property transfers and post-installation

5 Storm drain stenciling opportunity

6 Bi-Annual STOP day for disposal of commonly dumped materials.

7 Dry weaterh flow testing/Dye or smoke testing

8 Video inspections of storm sewers

Responsible Party for this BMP:

Department:	Engineering Department / SMO/GIS
Name:	Christine Fetten, Drew Dillingham, Rob Hubbs
Phone:	631-727-3200-201
E-mail:	fetten@riverheadli.com/dillingham@riverheadli.com/hubbsr@riverheadli.com

Highway Department Personnel as of January 1, 2011

					Training Attendance			
Employee No.	Employee Name	Group Step	Title	Started/ Departed	11/17/08 MCM 6	11/18/08 MCM5	8/10/10 6 MCM's	2/2011
	George Woodson		Highway Superindentant					
	Mark Gadjowski		Deputy Superindentant		1	1	1	
	Ronald Caffrey	12/19	Highway Main Crew Leader				1	
	Walter O'Kula	12/19	Maintenance Mechanic IV		1	1	1	
	Donald Owen	12/16A	Highway Main Crew Leader		1	1	1	
	Jeffrey Davis	9/16A	C.E.O.		1	1	1	
	Benjamin Miller	9/15A	C.E.O.		1	1		
	Edward Reeve	9/15A	C.E.O		1	1	1	
	Michael Zaleski	9/12A	C.E.O		1	1	1	
	Waverly Atkins	9/12	C.E.O			1	1	
	Richard Bates	9/11A	C.E.O		1	1	1	
	John Niewadomski	8/14A	Maintenance Mechanic III			1	1	
	Joseph Quinn	7/15A	H.E.O.		1	1	1	
	William Fink	7/13	H.E.O.		1	1		
	John Apicello	7/11A	H.E.O.		1	1	1	
	Joseph Sheppard	6/19	A.E.O.		1	1	1	
	Kenneth Nagy	6/11	A.E.O.		1	1		
	Michael Smith	6/11	A.E.O.			1	1	
	Arthur Fogal	6/10A	A.E.O.		1	1		
	Gregory Atkinson	6/9A	A.E.O.		1			
	George Mottern	6/9A	A.E.O.		1	1		
	James Pipczynski	6/6	A.E.O.				1	
	Michael Argenti	6/5A	A.E.O.		1	1	1	
	David Arteaga	6/5A	A.E.O.		1	1	1	
	Jarrod Hayes	6/4A	A.E.O.		1		1	
	Christopher Lescenski	6/4A	A.E.O.		1	1	1	
	William Renten Jr.	6/4A	A.E.O.				1	
	Elrod Coach	6/4	A.E.O.		1	1	1	
	Andrew Dick	6/4	A.E.O.		1	1	1	
	Joseph Moreno	6/4	A.E.O.			1		
	Zebedee Williams	6/4	A.E.O.		1	1	1	
	Ray Bouchard	6/4	A.E.O.				1	
	Jeffrey Gibbs	6/P	A.E.O.				1	
	Christopher Bugge	6/P	A.E.O.				1	
	Neil D'Amara	6/P	A.E.O.				1	
	Susan Beal	7/7	Sr. Admin. Assistant					
	Donna Testa	9/10A	Account Clerk Typist					
					63.89%	69.44%	75.00%	

Buildings and Grounds Personnel as of January 1, 2010

					Training Attendance				
Employee No.	Employee Name	Group/Step	Position	Started/ Departed	11/17/08 MCM 6	11/18/08 MCM5	8/10/10 6 MCM's	2/2011	2/2012
	Guy Cawley	15/18	Bldg. Maint. Super				1		
	Gary Hubbard	15/11	Maint. Mechanic V		1		1		
	Steven McKay	12/10A	Grounds Maint. Supervisor				1		
	Robert Hubbard	7/11	Maint. Mechanic II		1				
	Juan Ayala	7/10A	Maint. Mechanic II						
	Henryk Niedzwiecki	7/9A	Maint. Mechanic II				1		
	Scott Sulzer	7/8A	Maint. Mechanic II				1		
	Ricky Mueller	1/13	Maint. Mechanic II						
	David Zebrowski	7/7A	Maint. Mechanic II		1		1		
	Zygmunt Rachubka	7/6A	Maint. Mechanic II				1		
	Joe Ortiz	4/6A	Maint. Mechanic I						
	Gregory Polak	7/P	Maint. Mechanic II				1		
	Madeline Cavaluzi	1/5A	Custodial Worker I						
	Ezra Fife	3/P	Groundskeeper I				1		
					8.33%	0.00%	25.00%		

Water Department Personnel as of January 1, 2010

Training Attendance

Employee No.	Employee Name	Group Step	11/17/08 MCM 6	11/18/08 MCM5	8/10/2010	2/2011	2/2012	2/2013
	Gary Pendzick	20						
	Mark Conklin	25			1			
	Michael Benedict	17/18			1			
	Thomas Kruger	17/18			1			
	Chester Majeski	12/19			1			
	Paul Bokee	15/16						
	Charles Leja	14/15			1			
	Maureen Lynn	11/19						
	John Letson	15/10			1			
	Arnold Wulffraat	15/9A						
	Jason Hubbard	15/8A			1			
	Lynn Barauskas	9/19						
	Brian Gablenz	15/5A						
	John Kellar	15/5A			1			
	Frank Walls	7/5A			1			
	James Schunk	7/4			1			
	Alan Hatcher	7/4			1			

68.75%

Sewer Department Personnel as of January 1, 2010

					Training Attendance					
Employee No.	Employee Name	Group Step	Title	Date Started/ Departed	11/17/08 MCM 6	11/18/08 MCM5	9/1/2010	2/2011	2/2012	2/2013
	Michael Reichel		License Stipend				1			
	Timothy Allen		Assistant Wastewater Dist.							
	Richard Bokinz	16/19	Sr Wastewater Tmt Plt Oper II		1		1			
	Matthew Hattorff	17/18	WW Tmt Plant Oper 3A		1		1			
	Lindsay Reeve	16/18	Sr Wastewater Tmt Plt Oper II			1				
	Michael Lech	17/12A	WW Tmt Plant Oper 3A							
	Warren Alexander	14/11A	Wastewater Tmt Plant Oper II				1			
	John Arrigo	14/10	Wastewater Tmt Plant Oper II				1			
	Douglas Attridge	14/9	Wastewater Tmt Plant Oper II		1		1			
	Glenn Magee	7/13A	Maintenance Mechanic II							
	Christopher Schroeher	8/11A	Maintenance Mechanic III				1			
	Robert Helupka	14/5A	Wastewater Tmt Plant Oper II							
	Michael Maffia	8/9	Maintenance Mechanic III		1					
	Jill Sollazzo	9/8A	Account Clerk Typist							
	Robert Smith	7/P	Maintenance Mechanic II				1			
	Robert Obie	50	P/T Clerk							
					25.00%	6.25%	50.00%			

Sanitation Department Personnel as of January 1, 2010

					Training Attendance			
Employee No.	Employee Name	Group Step	Title	Date Started/ Departed	11/17/08 MCM 6	11/18/08 MCM5	8/10/2010	2/2011
	John Reeve						1	
	Gina Chew						1	
	Ronald Darling	6/7A	AEO				1	
	James Clarkin	3/9A	Laborer					
	Brett Kurz	3/6A	Laborer				1	
	Victoria Cain	71	Guard-Landfill					
	Ricky Muller-PT	71	Guard-Landfill					
	Janice McKenna-PT	71	Guard-Landfill					
	Henryk Niedzweicki-PT	71	Guard-Landfill				1	

62.50%

KEY#	VEH	DP	CL	YEAR	FUEL	VIN NUMBER	TOWN ID	DESCRIPTION	MAKE	MODEL	TYPE	COLOR	REG EXP	INSP DT	PLATE	CY ODOM	PR ODOM	ODOM DT	RO #	RO DATE	RO MILES	10-Mar	10 ODOM	11-Mar	11 ODOM
1	1	9		2008	UNL	1GNDT135482175063	1	4.2L 4X4 SUV	CHEVY-GARY	TRAILBLZR	WTR	WHITE	0	20131108	M32466	61262			31474	20131108	57330	20130304	49610	20140305	61101
2902	2	9		2000	UNL	1GCGK24R7YR211555	2	5.7-255HP-8.6GW	CHEVY-FRNK	K2500-WTR	WTR	WHITE	0	20130805	L14970	135870			32095	20140301	135425	20130305	127255	20140306	135779
4	4	9		2002	DSL	1GBJC34122E104547	4	6.6-300HP-11.GW	CHEVROLET	3500-WTR	WTR	WHITE	0	20140212	K16566	80078			31982	20140212	78800	20130306	73872	20140305	80078
5	5	9		2008	UNL	1GCC5149788168849	5	2.9L PICKUP	CHEVROLET	COLORA-WTR	P/U	WHITE	0	20131106	M32467	186617			32153	20140306	186300	20130303	164923	20140309	186617
6	6	9		2003	UNL	1GCJK341X3E112444	6	6.6-300HP-11.4G	CHEVROLET	K3500-WTR	DUMP	WHITE	0	20130807	K37868	48200			32041	20140214	48200	20130327	45922	0	0
9	9	9		2002	DSL	1GBJC34132E106288	9	6.6-300HP-11.GW	CHEVROLET	3500-WTR	WTR	WHITE	0	20140206	K16561	149285			31980	20140206	112322	20130301	99820	20140307	146305
11	11	9		2006	UNL	1GCHK29U96E116842	11	6.0-300HP-9.2GW	CHEVY-CHUK	2500HD-WTR	CHUK	WHITE	0	20130916	L94387	124531			32136	20140304	124051	20130301	111080	20140305	124314
2012	12	9		2001	UNL	1GCEC14V11Z244018	12	4.8L-SILVERADO	CHEVROLET	1500-WTR	WTR.	WHITE	0	20130404	K20042	157274			32107	20140227	156818	20130307	145447	20140304	157150
13	13	6		2008	DSL	52974	13	4X4 TRACTOR	KUBOTA-B&G	M6040HDC	LOAD	ORANG	0	0	NONE	1067			32083	20140225	1067	0	0	0	0
2016	16	3		2003	DSL	1HTGEAHR63H560428	HWY 16	CUMNS/288HP	INTERNAT'L	2500-AUTO	8YD	ORANG	0	20131007	L77122	63660			32051	20140225	63660	20130307	60286	0	0
2017	17	1		1999	UNL	AM70036H999	317	RESCUE BOAT-2/1	AMBAR-BOAT	AM700-22'	COPE	GREY	0	0	NONE	0			31491	20131227	0	20130314	0	0	0
19	19	9		2001	DSL	LB75B-699300700	19	BACKHOE	NEWHOLLAND	LB75B-WTR	WTR	YELOW	0	0	NONE	1993			32123	20140307	1993	0	0	0	0
20	20	8		2002	UNL	4FVCABTA1YU308858	20	AIR COMPRESSOR	JOHN DEERE	COMPRESSOR			0	0	NONE	0			20083	20071109	0	0	0	0	0
2021	21	8		2000	UNL	1GCGK29U3YE278321	21	6.0-300HP-8.6GW	CHEVY-MIKE	SLVR-K2500	MIKE	WHITE	0	20130506	L14987	151777			31627	20140124	149605	20130307	143426	0	0
22	22	8		2002	DSL	1FVABWAKX2HK41610	22	7.2L CAT/246HP	FREIGHTLIN	FL80-SWR	SWR	WHITE	0	20130502	K28215	3980			31100	20130821	6225	0	0	0	0
23	23	8		2003	UNL	1GCHK24UO3E196003	23	6.0-300HP-8.6GW	CHEVY-SWR	2500HD-4X4	SWR	WHITE	0	20140219	L76011	73791			32034	20140219	73478	20130306	67209	0	0
25	25	3		1999	UNL	4KNUT1626XL162237	HWY 25	4 WHEEL TRAILER	TOWMASTER	T-10DD	HWY	BLACK	0	20130402	L14967	0			30336	20130402	0	20130320	0	0	0
28	28	8		2007	DSL	1FDAF57P17EB19767	28	6.0-325HP-17950	FORD-SEWER	F550 4X4	DUMP	WHITE	0	20131206	M20140	20978			31765	20140109	19800	20130306	16693	20140303	20978
29	29	3		1992	UNL	4006	HWY 29	ASPHALT HAULER	POWERAY-WR	4TSU	HTBX	YELOW	0	0	L76841	0			30507	20130507	0	0	0	0	0
30	30	8		2002	UNL	1GCHG35R421204997	30	5.7-255HP-9.GW	CHEVY-3500	EXPRES-SWR	MATT	WHITE	0	20140205	K29850	5351			32115	20140310	167020	20130301	147905	20140307	5189
31	31	10		2003	UNL	1FAFP58203A245300	31	3.0L WAGON	FORD-LORI	TAURUS	LORI	WHITE	0	20130610	L70925	35349			31658	20131216	35180	0	0	20140303	35349
33	33	71		1997	UNL	1GNDT13W8VK179504	33	UNMARK-4.3L	CHEVROLET	BLAZER	4X4	WHITE	0	20130606	K28213	93640			31386	20131024	94080	20130314	92904	20140307	93640
36	36	72		2004	UNL	2FAHP71W64X100319	36	UNMARK-4.6L	FORD-COUR	CN VICT	COUR	WHITE	0	20140210	L71560	121917			32007	20140210	121917	20130311	117705	0	0
37	37	3		2003	DSL	3.06272E+13	HWY 37	TORO MOWER	TORO	GRNDSMASTR	MOWR	RD/WH	0	0	NONE	0			28548	20120503	1260	0	0	0	0
38	38	75		2008	UNL	1GCDT14EX88219386	38	3.7L-JACK	CHEVY-JACK	COLORADO	BLDN	WHITE	0	20130610	M39775	57393			31952	20140204	56808	20130305	117515	20140306	57393
39	39	73		2008	DSL	1FD3E35P58DA39477	39	6.0L-12PASS	FORD/BUS	E350-8740G	BUS	WHITE	0	20140203	M33319	61400			32097	20140226	61120	20130311	53729	20140305	61400
40	40	74		2005	UNL	1FTYR10U25PA56179	40	3.0L-MEALS	FORD-MEALS	RANGER	MEAL	WHITE	0	20130812	L90498	43238			31727	20140107	42313	20130304	37628	20140307	43238
2741	41	78		1998	DSL	1HVBEABMOWH548763	41	7.3-190HP-21GW	INTERNATL	3400/REC	33PA	WHITE	0	20140205	L14976	48294			31959	20140205	47680	20130328	45124	0	0
42	42	74		2005	UNL	1FTYR10U75PB02010	42	3.0L-MEALS	FORD-MEALS	RANGER	MEAL	WHITE	0	20130918	L90499	63229			31531	20131122	61380	20130306	56568	20140304	63098
2743	43	59		1987	UNL	1GCCG15H7H7181887	43	5.0L-TBI	CHEVROLET	G10-CHORE	CHOR	WHITE	0	20130508	L70672	45660			30664	20130603	43656	20130306	42890	20140304	45660
44	44	74		2000	DSL	1FDXE45F6YHB31527	44	7.3-20P-14050GW	FORD-NUTRA	E450	BUS	WHITE	0	20130412	K16395	116800			32180	20140313	116800	20130313	115425	0	0
45	45	75		2004	UNL	1GCEK19V94E254190	45	4.8L-POD	CHEVY-POD	SILVERADO	BLDN	WHITE	0	20140204	L71593	87208			31945	20140204	86420	20130313	78255	0	0
46	46	74		2005	UNL	1C4GP45RX5B360400	46	3.3L V6-VAN	DODGE-NUTR	CARAVAN	NUTR	WHITE	0	20130506	L98608	66219			32043	20140214	66012	20130305	61311	20140306	66219
47	47	75		2004	UNL	1GCEK19VX4E251508	47	4.8L-BLDN	CHEVY-BLDN	SILVERADO	BLDN	WHITE	0	20140204	L71590	28737			31947	20140204	28550	0	0	20140306	28737
48	48	75		2008	UNL	1GCDT14E088215816	48	3.7L-RICH	CHEVY-RICH	COLORADO	BLDN	WHITE	0	20130502	M39753	53057			31853	20140121	51849	20130304	43858	20140303	52846
49	49	78		2003	UNL	2FAFPT1W33X118234	49	UNMARK-4.6L	FORD-REC	CN VICT	REC	WHITE	0	20130502	K29887	133551			32006	20140210	132800	20130301	129784	20140306	133444
50	50	6		2008	DSL	1FDAF57R78EC84158	50	6.4-350HP-17950	FORD-B&G	F550	DUMP	WHITE	0	20140115	M23481	16240			32025	20140301	15839	20130306	12506	20140303	16240
51	51	74		2008	DSL	1FD4E45P88DA42786	51	6.8L-20PASS	FORD-NUTRA	E450-9540G	BUS	WHITE	0	20140310	M33320	75464			32164	20140310	75464	20130305	65531	20140306	75464
52	52	6		2006	DSL	1FDAW56P66EB07114	52	6.0-325HP-17950	FORD-B&G	F550	UTLY	WH/BK	0	20131022	L94918	38377			32019	20140212	38135	20130306	33054	0	0
53	53	6		2002	UNL	1GBJK34U12E207617	53	6.0-300HP-12GW	CHEVY-DUAL	3500-4X4	B&G	WHITE	0	20130603	K29860	64405			32158	20140307	64405	20130306	59096	0	0
2654	54	6		2000	UNL	1GCGK24R7YR210938	54	5.7-255HP-8.6GW	CHEVROLET	K2500-B&G	B&G	WHITE	0	20130603	L15026	86975			32084	20140225	86912	20130308	82918	0	0
57	57	77		2002	UNL	1GCHK24U62E235644	57	6.0-300HP-9.6GW	CHEVY-SANI	2500HD	YARD	WHITE	0	20130402	K28434	111470			31957	20140206	111436	20130309	110925	20140306	111470
58	58	6		2005	UNL	1GCHK29U75E326239	58	6.0-300HP-9.2GW	CHEVY-B&G	2500HD-4X4	B&G	WHITE	0	20130506	L90474	47853			31978	20140206	47500	20130306	41456	0	0
59	59	74		2000	DSL	1FDXE45F4YHB31526	59	7.3-14P-14050GW	FORD-NUTRA	E450	BUS	WHITE	0	20130405	K16396	127354			31779	20140109	126309	20130304	118805	0	0
60	60	40		2010	UNL	1FTNE2EL6ADA51017	60	FORD E250 VAN	FORD-LITE	E250	LITE	WHITE	0	20130403	M57540	26281			31664	20131217	27040	20130305	19969	20140306	26281
61	61	3		1985	UNL	1C9BT2222F1193615	HWY 61	4 WHL-W/BRK-TRL	CENTERVILL	TRAILER	TRLR	YELOW	0	20140203	L14956	0			31938	20140203	0	0	0	0	0
65	65	74		2000	DSL	1FDXE45F1YHB34500	65	7.3-20P-14050GW	FORD-NUTRA	E450	BUS	WHITE	0	20140305	K16394	138553			32126	20140305	138540	20130307	136173	0	0
66	66	77		2008	DSL	1HTWAAAR58J656195	66	DT466-245HP	INTERNAT'L	7300-SANI	PACK	WHITE	0	20131203	M32471	55886			31603	20131209	70220	20130301	55886	20140307	55886
68	68	83		2004	UNL	1GCEK19V54E254588	68	4.8L-6400GVW	CHEVY-DAVE	SILVERADO	FIRE	WHITE	0	20140203	L71592	95588			31937	20140203	95366	20130304	88622	0	0
69	69	9		2008	UNL	1FTWF31578EE40414	69	5.4-300H-10.1GW	FORD-WATER	F350-WATER	WTR	WHITE	0	20130709	M40267	77144			32079	20140225	76208	20130304	62576	20140307	77144
70	70	3		1991	DSL	1HSHKG2R7MH354971	HWY 70	NTC315-CUMN-315	INTERNAT'L	8300	TRAC	ORANG	0	20130611	K28472	28240			30706	20130611	28001	20130326	28001	0	0
71	71	3		1996	UNL	4053	HWY 71	ASPHALT HAULER	POWERAY	4TSU	HTBX	YELOW	0	0	C50505	0			30817	20130702	0	0	0	0	0
72	72	3		2002	DSL	L70310866	HWY 72	2YD-130HP	HYUNDAI	HL740-3AE	LODR	YELOW	0	0	L77102	470			31858	20140131	470	0	0	0	0
73	73	9		2008	UNL	1GCEK14C78Z298399	73	4.8L-4X4-6.8GW	CHEVY-CONK	SILVERADO	MARK	WHITE	0	20130710	M40250	121144			31983	20140206	119100	20130301	99461	20140307	120932
74	74	9		1998	UNL	1GCGK24RXWZ229612	74	5.7-255HP-8.6GW	CHEVROLET	K2500-WTR	WTR	WHITE	0	20130603	L14991	195865			31278	20130926	198102	20130301	189438	0	0
76	76	9		2005	UNL	1GCHK29U45E264332	76	6.0-300HP-9.2GW	CHEVY-TOM	2500HD-WTR	TOM	WHITE	0	20130501	L86111	154540			31830	20140117	152327	20130304	137283	20140307	154540
77	77	9		2006	UNL	1GCGG25V961249779	77	4.8L-8.6GVW	CHEVY-2500	EXPRES-WTR	WTR	WHITE	0	20130603	M12932	113581			32130	20140304	113300	20130304	101866	20140305	113446
78	78	78		2001	UNL	2FAFP71W71X196397	78	UNMARK-RECREATI	FORD-REC	CN VICT	REC	WHITE	0	20130917	K16419	148400			31805	20140115	148400	0	0	0	0
79	79	79		2001	UNL	1GNEK13TX1J182174	79	5.3L 4X4	CHEVROLET	TAHOE-DREW	DREW	WHITE	0	20130808	L90459	135600			32092	20140307	135600	20130308	132812	20140306	136747
81	81	9		2008	UNL	1GCDT14E188168635	81	3.7L 4X4	CHEVROLET	COLORA-WTR	P/U	WHITE	0	20131101	M32472	121528			32145	20140305	121326	20130302	97971	20140306	121528
82	82	74		2007	UNL	2FAHP71W87X134380	82	4.6L-NUTRITION	FORD-NUTRA	CN VICT	NUTR	WHITE	0	20131004	M20724	171507			31976	20140207	170762	20130301	168073	0	0
83	83	75		2008	UNL	1GCDT14E788214968	83	3.7L-MARK	CHEVY-MARK	COLORADO	BLDN	WHITE	0	20130612	M33346	49384			31840	20140121	48700	20130301	43106	20140306	49384
85	85	78		2009	UNL	1FTSW215X9EB12298	85	5.4L-9000GVW	FORD-JIM	F250-REC	REC	WHITE	0	20130403	M50480	32000			31804	20140115	32000	20130305	22038	0	0
87	87	6		1998	UNL	1GTGK24R9WE542660	87	5.7-255HP-8.6GW	GMC-JOE	K2500-B&G	JOE	RED	0	20140124	L15040	97519			32093	20140226	96815	20130311	92542	0	0
89	89	3		2001	DSL	514449799	HWY 89	2001 BOBCAT	BOBCAT	LOADER	LOAD	WHITE	0	0	NONE	2767			31292	20131001	2687	0	0	0	0

KEY#	VEH	DP	CL	YEAR	FUEL	VIN NUMBER	TOWN ID	DESCRIPTION	MAKE	MODEL	TYPE	COLOR	REG EXP	INSP DT	PLATE	CY ODOM	PR ODOM	ODOM DT	RO #	RO DATE	RO MILES	10-Mar	10 ODOM	11-Mar	11 ODOM
90	90	74		2000	UNL	1GCCS1954Y8249586	90	2.2L-MEALS	CHEVY-MEAL	S10	MEAL	RED	0	20130612	M64685	101250			31722	20140102	101250	20130304	95062	20140306	101250
91	91	84		2007	UNL	2FAHP71WX7X134381	91	UNMARK-4.6L-EFI	FORD-NICOL	CN VICT	CODE	WHITE	0	20131018	M20725	149700			31382	20131018	147829	20130306	143765	20140307	149700
92	92	79		2001	UNL	1GNEK13V01J294631	92	4.8-275HP	CHEVROLET	TAHOE-KEN	KEN	WHITE	0	20130506	K16535	143419			31492	20131113	142400	20130305	139625	20140303	143419
94	94	6		2000	UNL	1GCGK24R3YR168638	94	5.7L-4X4-PLOW	CHEVY-B&G	K2500-B&G	B&G	WHITE	0	20130402	L14988	126506			31984	20140207	125700	20130304	116158	20140306	126506
96	96	40		2006	DSL	1GDE5C1236F433354	96	6.6L-2WD	GMC-LITE	C5500-LITE	BUCK	WHITE	0	20130516	M20718	80640			31723	20140121	79200	20130304	67596	20140307	80463
97	97	3		2004	DSL	1HTWDAAR04J079769	HWY 97	DT466/260HP	INTERNAT'L	7400-AUTO	6YD	ORANG	0	20130904	L71523	38900			32045	20140301	38900	20130307	36340	0	0
98	98	60		1999	UNL	2FAFP71W6XX199980	98	INTERNS-4.6L	FORD-INTRN	CV-INTERNS	INTR	WHITE	0	20130711	L43651	181600			31700	20131224	181600	20130311	174529	0	0
99	99	77		2014	UNL	1GCOKVCG3EF140077	99	6.0L-9500GVW	CHEVY-SAN	2500HD 4X4	JR	WHITE	0	20131031	R35706	5692			31816	20140115	3520	0	0	20140305	5485
1000	100	8		2002	UNL	5ASAG27462F020284	GEM 1	ELEC GEM CAR	CHRYSLER	GEM	ELEC	GREY	0	0	18047LU	5066			27510	20111019	5066	0	0	0	0
101	101	1		2007	UNL	2FAHP71W87X134377	101	MARKED-4.6L	FORD-627	CN VICT	627	WHITE	0	20140204	627	136703			31948	20140204	136650	20130323	132128	20140304	136703
102	102	1		2011	UNL	2FABP7BV6BX135838	102	MARKED-4.6L-EFI	FORD-LPR	CN VICT	LPR	WHITE	0	20130402	HP2	116053			32135	20140305	115637	20130317	94529	20140309	115990
103	103	1		2008	UNL	2FAHP71V18X162594	103	MARKED-4.6L-EFI	FORD-HP1	CN VICT	HP1	WHITE	0	20130501	HP1	41248			31838	20140203	40917	20130306	34704	20140306	41248
104	104	1		2008	UNL	2FAHP71V18X164135	104	4.6L TRAF CONT	FORD-TCO	CN VICT	293	WHITE	0	20130703	TCO 293	169412			32009	20140210	168225	20130306	158264	20140309	169412
105	105	1		2009	UNL	2FAHP71V79X148412	105	MARKED-4.6L-EFI	FORD-JOHNY	CN VIC K92	K9-2	WHITE	0	20130814	K9-2	37607			32147	20140305	37233	20130301	25062	20140309	37361
106	106	1		2011	UNL	2FABP7BV3BX179277	106	MARKED-4.6L	FORD-604	CN VICT	604	WHITE	0	20130910	604	107352			32112	20140301	104658	20130301	34596	20140309	106788
107	107	1		2011	UNL	2FABP7BV8BX135839	107	MARKED-4.6L	FORD-606	CN VICT	606	WHITE	0	20130701	606	131800			32168	20140310	131454	20130301	101540	20140309	131596
108	108	1		2011	UNL	2FABP7BV3BX180820	108	MARKED-4.6L-EFI	FORD-601	CN VICT	601	WHITE	0	20131204	601	34330			32143	20140305	33467	20130301	148773	20140309	33972
109	109	1		2005	UNL	2FAHP71W55X126749	109	MARKED-4.6L-EFI	FORD-621	CN VICT	621	WHITE	0	20130702	621	140189			32110	20140228	140019	20130305	135166	20140307	140189
110	110	1		2011	UNL	2FABP7BV5BX169978	110	MARKED-4.6L-EFI	FORD-JACK	CN VIC K91	K9-1	WHITE	0	20130819	K9-1	35800			32179	20140312	35800	20130301	15341	20140308	35276
111	111	1		2009	UNL	2FAHP71V69X128023	111	MARKED-4.6L-EFI	FORD-607	CN VICT	607	WHITE	0	20140124	607	105439			32150	20140306	104966	20130301	82319	20140309	105267
112	112	1		2011	UNL	2FABP7BV3BX180896	112	MARKED-4.6L	FORD-603	CN VICT	603	WHITE	0	20140121	603	86038			32176	20140311	85809	20130301	5888	20140309	85353
113	113	1		2008	UNL	2FAHP71V58X164137	113	MARKED-4.6L	FORD-622	CN VICT	622	WHITE	0	20131101	622	114786			32125	20140303	114503	20130301	93682	20140309	114640
114	114	1		2011	UNL	2FABP7BV4BX181474	114	MARKED-4.6L-EFI	FORD-602	CN VICT	602	WHITE	0	20130411	602	72627			32175	20140311	72400	20130304	164762	20140309	72073
115	115	1		2009	UNL	2FAHP71V99X148413	115	MARKED 4.6L	FORD-HQ	CN VICT	HQ	WHITE	0	20140305	HQ	87000			32108	20140310	87000	20130301	69671	20140305	87008
116	116	1		2005	UNL	2FAHP71W15X126750	116	MARKED-4.6L	FORD-623	CN VICT	623	WHITE	0	20130705	623	140678			31685	20131224	140000	20130305	135356	20140301	140678
117	117	1		2005	UNL	1FMPU16535LA66393	117	5.4L-300HP	FORD-COPE1	EXPEDITION	COPE	WHITE	0	20140206	COPE 1	128378			31985	20140206	128146	20130306	124900	0	0
118	118	1		2011	UNL	2FABP7BV3BX169977	118	MARKED 4.6L	FORD-620	CN VICT	620	WHITE	0	20131205	620	127750			32102	20140301	127006	20130301	96863	20140309	127698
119	119	1		2011	UNL	2FABP7BV6BX180794	119	MARKED 4.6L	FORD-605	CN VICT	605	WHITE	0	20130821	605	19056			32169	20140310	18800	20130301	69754	20140309	18655
2312	120	3		2003	DSL	1HTGEAHR43H560427	HWY 12	CUMNS/288HP	INTERNAT'L	2500-AUTO	8YD	ORANG	0	20130904	L77123	61236			31975	20140207	60631	20130305	57230	0	0
121	121	1		2001	UNL	2FAFP71W51X196396	121	MARKED-4.6L	FORD	CROWN VIC		WHITE	0	0		112500			19890	20071001	112500	0	0	0	0
172	172	83		2004	UNL	1GCEK19V14E254474	72	4.8L-6400GVW	CHEVY-CRAG	SILVERADO	FIRE	WHITE	0	20140204	L71591	91114			31950	20140204	89990	20130305	81057	20140309	91114
1089	189	78		1999	UNL	2FAFP71W3XX199984	89	UNMARK-4.6L-EFI	FORD-REC	CN VIC-REC	REC	WHITE	0	20130603	L43674	169512			32122	20140303	169512	20130328	159566	0	0
2000	200	8		2002	UNL	5ASAG27432F018251	GEM 2	ELEC GEM CAR	CHRYSLER	GEM	ELEC	GREY	0	0	18048LU	3815			29262	20120926	3815	0	0	0	0
2201	201	1		1999	UNL	2FAFP74WOXX175251	201	BLACK-4.6L-EFI	FORD-BLACK	CN VICT	COPE	BLACK	0	20130402	AKX6836	123001			32166	20140312	123001	20130305	121090	0	0
2202	202	84		2004	UNL	2FAHP71W44X100111	202	GREY-4.6L EFI	FORD-DOWNS	CN VICT	CODE	GREY	0	20130506	CNY8492	162808			31619	20131211	162400	20130301	160701	0	0
203	203	1		2001	UNL	2FAFP71W11X196394	203	UNMARK-4.6L-EFI	FORD-PEEKR	CN VICT	LIEU	WHITE	0	20130603	BAE8586	81847			31915	20140129	81300	20130301	76339	0	0
2204	204	1		2005	UNL	1FAFP53225A222711	204	3.0L-UNMARKED	FORD-DET	TAURUS SE	DET	RED	0	20140205	L56199	19346			31960	20140205	18671	20130311	17566	20140306	19346
205	205	1		2007	UNL	SFAHP71W37X134433	205	BLACK-4.6L	FORD-SUPR	CN VICT	SUPR	BLACK	0	20140206	M20721	127400			32174	20140311	127145	20130301	102119	20140307	127145
2207	207	1		2004	UNL	2FAHP71W64X100112	207	BLUE-4.6L	FORD-PAT	CV-BLUE	DET	BLUE	0	20130702	CNY8493	95409			32002	20140212	95100	20130304	87723	20140305	95409
208	208	1		2002	UNL	2FAFP71W82X131799	208	SHAWN/DET	FORD-SHAWN	CN VICT	DET	GREEN	0	20140206	L71553	111869			32094	20140226	111715	20130303	108250	20140304	111869
209	209	1		2005	UNL	2FAHP71W85X126728	209	4.6-BLUE SPOT	FORD-DET.	CV SPOTLIT	SPOT	BLUE	0	20140305	L85729	109761			32142	20140305	109500	20130301	99801	20140305	109500
210	210	1		2002	UNL	2FAFP71WX2X131786	210	BLACK-4.6L-EFI	FORD-BLACK	CN VICT	COPE	BLACK	0	20130501	BEG4854	109590			32138	20140305	109590	20130301	103975	0	0
212	212	72		2005	UNL	1FAFP53245A222709	212	3.0L RED	FORD-POOL	TAURUS SE	POOL	RED	0	20140107	L90475	88137			31764	20140107	87540	20130313	77970	0	0
215	215	1		2004	UNL	2FAHP71W64X100224	215	GREY-4.6L EFI	FORD-WASKI	CV-GREY	DET	GREY	0	20130805	L71554	115153			32074	20140225	114507	20130302	105347	20140307	115153
216	216	1		2012	UNL	1GNSK2E08CR322593	216	5.3L-315HP	CHEVY-625	TAHOE	625	WHITE	0	20131017	625	50142			32124	20140303	49300	20130301	1947	20140309	49866
2217	217	1		1993	UNL	2FALP74W1PX192191	217	BLACK-4.6L-EFI	FORD-SHOP	CN VICT	PD	BLACK	0	20130923	CKK3929	132028			31702	20131226	131743	20130311	128983	0	0
218	218	1		2009	UNL	2B3KA43V69H637215	218	GREY-3.5L-245HP	DODGE-CHEF	CHARGER	CHEF	GREY	0	20131028	M50493	108116			32086	20140226	107103	20130302	80943	20140307	108116
2219	219	1		1999	UNL	2FAFP71W5XX199985	219	UNMARK-4.6L-EFI	FORD-DAVE	CN VICT	LIEU	WHITE	0	20130403	DY352B	93454			31968	20140205	92900	20130303	86564	20140301	93372
220	220	1		2009	UNL	2B3KA43V89H637216	220	BLACK-3.5L-245H	DODGE-CAPT	CHARGER	CAPT	BLACK	0	20130904	M50495	46400			32031	20140213	45690	20130301	35256	20140306	46400
2221	221	3		1996	DSL	1M2K191C5TM008543	HWY 121	10WHEL SNOFIGHT	MACK	MR688S	SPDR	ORANG	0	20130307	M57525	24200			30172	20130307	24200	20130307	24200	0	0
2222	222	3		2003	DSL	1HTGEAHR03H560425	HWY 101	CUMNS/288HP	INTERNAT'L	2500-AUTO	8YD	ORANG	0	20130405	L77124	57565			31949	20140205	56890	20130307	0	0	0
2223	223	3		1996	DSL	JEE0051994	HWY 120	2YD-126HP	CASE	621B	LODR	ORANG	0	0	M57523	2560			31860	20140207	1151	20130328	2337	20140307	2560
2224	224	3		1996	DSL	1M2K191C2TM008547	HWY 122	10WHEL SNOFIGHT	MACK	MR688S	SPDR	ORANG	0	20130304	M57524	22355			32040	20140218	21866	20130304	19700	20140303	22355
2225	225	3		1996	DSL	1M2K191C9TM008531	HWY 123	10WHEL SNOFIGHT	MACK	MR688S	SPDR	ORANG	0	20130321	M57522	26305			32037	20140214	25463	20130307	23322	20140303	26305
2226	226	3		1991	DSL	1FDNK64P2MVA00161	HWY 124	6.6L DSL.	FORD-DUMP	F600	DUMP	ORANG	0	20130703	M64666	19407			32154	20140310	19345	20130304	17931	0	0
2227	227	3		2004	DSL	1J9VM4L314012019	HWY 125	5.9L-SWEEPER	JOHNSTON	RD/S	SWEP	WHITE	0	0	M64670	21021			25089	20100608	21021	0	0	0	0
2228	228	3		2004	DSL	1J9VM4L324C172014	HWY 126	5.9L-SWEEPER	JOHNSTON	RD/S	SWEP	WHITE	0	0	M64671	22239			30459	20130502	21800	0	0	0	0
2229	229	3		2008	DSL	MOD-928705 SER-09080958	HWY 83	MOWER	HUSTLER	SHIBAURA	MOWR	YELOW	0	0		200			31157	20130903	200	0	0	0	0
2230	230	3		1994	DSL	1FDNK74C8RVA33918	HWY 127	5.9L-CUMIN 275H	FORD	F700 DUMP	PLOW	ORANG	0	0	M64734	123165			31720	20140102	122904	0	0	0	0
2231	231	3		1998	DSL	1FV3GFAC7WH967157	HWY 128	5.9L-SAFETY	FREIGHTLIN	FL60	SAFT	YELOW	0	20131011	M64733	48652			31866	20140123	48690	20130315	0	20140307	48652
2039	239	3		1988	UNL	1120TL104JS030005	HWY 39	2WHEEL-7300GVW	EAGER BEVR	TRAILER-WR	TRLR	YELOW	0	20131202	L15032	0			31577	20131202	0	0	0	0	0
2042	242	3		2003	DSL	1281081	HWY 42	TRACTOR/MOWER	NEWHOLLAND	TN65D	MOWR	BLUE	0	0	NONE	0			31203	20130913	3205	0	0	0	0
2045	245	3		2006	DSL	7000T-47352	HWY 45	ASPHALT PAVER	LEEBOY	7000T	PAVE	YELOW	0	0	NONE	0			30441	20130422	0	0	0	0	0
2253	253	3		1987	DSL	4290004U004156	HWY 5	189 HP	DRESSER	175C	LODR	YELOW	0	0	NONE	2791			30292	20130401	2791	20130325	2791	0	0
2256	256	1		1980	UNL	STRE2557109F0	PD 309	16'-ALUMINUM	STARCRAFT	BOAT	BOAT	WHITE	0	0	NONE	0			25005	20100602	0	0	0	0	0

KEY#	VEH	DP	CL	YEAR	FUEL	VIN NUMBER	TOWN ID	DESCRIPTION	MAKE	MODEL	TYPE	COLOR	REG EXP	INSP DT	PLATE	CY ODOM	PR ODOM	ODOM DT	RO #	RO DATE	RO MILES	10-Mar	10 ODOM	11-Mar	11 ODOM
2259	259	82		1989	UNL	HSX96637D989	313	25'-BOAT	HYDRA SPOR	WALK AROUN	BOAT	GRAY	0	0	NONE	0			31513	20131227	0	20130314	0	0	0
2260	260	1		1987	UNL	GBM42188B787	314	12'-ALUMINUM	GRUMMAN	CARTOPPER	BOAT	GREY	0	0	NONE	0			20835	20080430	0	0	0	0	0
2261	261	1		1981	DSL	1FDYD80UOBVK10871	310	COMMAND UNIT	FORD	8000	CMAN	WHITE	0	0	MCP-1	19720			31576	20131209	19720	0	0	0	0
2282	282	1		1996	UNL	UC	UC 282	UC '96 PONTIA	PONTIAC				0	0		0			25143	20100617	0	20130326	114801	0	0
283	283	1		1999	UNL	UC	UC 283	UC '99 MERCURY	MERCURY				0	0		83200			30359	20130410	83200	20130326	114801	0	0
284	284	1		1999	UNL	UC	UC 284	UC '99 GMC	GMC				0	0		132961			29174	20120905	153035	20130326	114801	20140306	132961
285	285	1		2000	UNL	UC	UC 285	UC '00 PONTIAC	PONTIAC				0	0		116000			30133	20130226	116000	20130326	114801	0	0
286	286	1		1996	UNL	UC	UC 286	UC '96 3L 12VAL	INFINITI	I-30T		WHITE	0	0		152155			30373	20130410	152155	20130326	114801	0	0
287	287	1		2004	UNL	UC	UC 287	UC/DARK GREY	GMC	SIERRA		GRAY	0	20131127	UC	129900			31567	20131127	129900	20130304	117695	0	0
288	288	1		1996	UNL	UC	UC 288	UC '96 5.2L	JEEP	GRND CHERO		BLACK	0	20131107	FAR1754	149200			31472	20131107	148500	20130326	144637	0	0
289	289	1		1998	UNL	UC	UC 289	UC '98 LINCOLN	LINCOLN	NAVIGATOR		BLACK	0	20131209		168808			31608	20131209	113925	20130326	114801	0	0
290	290	1		1999	UNL	2FAFP71W7XX199227	290	UNMARK-4.6L-EFI	FORD-RICK	CN VICT	LIEU	WHITE	0	20130702	BAE8588	127183			31767	20140108	126019	20130305	118492	20140304	127183
293	293	1		1999	UNL	2FAFP71WXXX199982	293	4.6L OFF ROAD	FORD	CN VICT	PD	WHITE	0	20130801	OFF ROAD	178840			31010	20130801	178840	0	0	0	0
294	294	1		2003	UNL	2FAFP71W83X118231	294	4.6 TRAFIC CNTR	FORD-TCO2	CN VICT	TCO2	WHITE	0	20130606	TCO	170537			32076	20140225	170100	20130301	159432	20140309	170423
297	297	1		2000	UNL	JA4MT31H6YP047481	297	3.0L-24 VALVE	MITSUBISHI	MONTRO/SPT	COPE	BK/GR	20041115	20140115	CXX3296	45879			31815	20140115	58288	20130306	560010	0	0
301	301	1		2007	UNL	1FMFU16527LA62737	301	5.4L-300HP	FORD-COPE3	EXPEDITION	COPE	WHITE	0	20130603	COPE 3	147800			32060	20140310	147800	20130306	136334	20140308	148324
302	302	1		2009	UNL	1FMFU16579LA00253	302	5.4L-300HP	FORD-COPE2	EXPEDITION	COPE	WHITE	0	20130501	COPE 2	124943			31995	20140207	123251	20130301	115481	20140301	124841
2303	303	3		2000	DSL	1FV6JJBB3YHG08837	HWY 3	7.2-3126-230	FREIGHTLIN	FL80-AUTO	8 YD	ORANG	0	20130702	L14933	34173			32087	20140305	34173	20130308	34174	0	0
2304	304	3		2003	DSL	1HTGEAHR23H560426	HWY 4	CUMNS/288HP	INTERNAT'L	2500-AUTO	8YD	ORANG	0	20130919	L77120	70925			32001	20140312	70925	20130307	64464	0	0
305	305	1		2000	UNL	1GCGK29U5YE402170	305	6.0-300HP-8.6GW	CHEVY-U2	2500-U2	P/U	WHITE	0	20130702	U2	88489			32022	20140214	88500	20130306	88489	0	0
306	306	3		1956	UNL	B27502	HWY 106	4WD SNO FIGHTER	WALTERS	SNO FIGHTR	SNOW	YELOW	0	0	M23556	325			20397	20080116	325	0	0	0	0
307	307	82		2005	UNL	1GCHK29U65E321937	307	6.L-300HP-8.6GW	CHEVROLET	2500HD-BAY	BAY	WHITE	0	20130612	M-1	69377			32159	20140307	69250	20130301	60727	20140307	69250
308	308	1		1987	UNL	2GBHG31KXH4144738	308	5.7L VAN	CHEVROLET	G30	PROP	WHITE	0	0	K37871	45290			31207	20130912	45290	0	0	0	0
309	309	1		2009	UNL	1FTSW21519EA50757	309	5.4L-300HP-9KGW	FORD-U1	F250-CREW	U-1	WHITE	0	20130501	U1	19300			32151	20140307	19300	20130306	16033	0	0
2310	310	3		1988	DSL	1A9A24DBXJR059043	HWY 10	8.2-DETR-170HP	MOBILE-WR	2TE4-M8	SWEP	ORANG	0	0	L14951	64571			23078	20090609	64174	0	0	0	0
2311	311	3		2001	DSL	1M2P267C81M056141	HWY 11	MACK E7350	MACK	RD688S	DUMP	YELLO	0	20131008	NEED	0			31317	20131008	35635	20130301	0	20140305	0
314	314	1		2011	UNL	1GNSK2E09BR261074	304	5.3L-315HP	CHEV-COPE4	TAHOE	COPE	WHITE	0	20140310	COPE 4	54300			32099	20140310	54300	20130301	41333	20140307	54310
315	315	1		2005	UNL	1FMPU16515LA66392	315	5.4L-300HP	FORD-CIRT	EXPEDITION	CIRT	WHITE	0	20140207	CIRT	94017			31991	20140207	94017	20130313	93293	0	0
2316	316	1		2001	UNL	1GNEK13V91J294045	316	4.8-275HP	CHEVY	TAHOE-COPE	COPE	WHITE	0	20130801	316	162075			32024	20140214	162075	0	0	0	0
318	318	1		2004	UNL	UCF08328J304	318	PUMP-OUT BOAT	N COAST 24	PUMP-OUT	BOAT	WHITE	0	0	NY3349FF	1800			31352	20131031	1800	20130311	1800	0	0
2319	319	3		2012	DSL	224001527	HWY 19	SKID LOADR-TRAC	TAKEUSHI	TL240	LOAD		0	0	R24461	231			30578	20130516	197	0	0	0	0
2320	320	3		2000	DSL	SE210W2AGBY0390	HWY 20	5.9L CUMMINS	SAMSUNG	SE210-W2A	HOE	ORANG	0	0	L15023	2429			29409	20121203	2327	20130301	2357	0	0
321	321	82		2009	UNL	PXM65060D909	321	YAMAHA 200HP	PARKER	2520XLD	BOAT	WHITE	0	0	BOAT	371			31439	20131227	371	0	0	0	0
322	322	1		1996	DSL	1FV3EFBC2TL857517	322	B5.9L-13100GVW	FREIGHTLIN	FL50-COPE	DIVE	WHITE	0	20130426	ERU	48500			31892	20140128	48500	0	0	0	0
2323	323	3		1980	DSL	2230153B100534X	HWY 23	TRACTOR MOWER	INTERNAT'L	I-240PL	MOWR	YELOW	0	0	NONE	3500			31398	20131120	3500	0	0	0	0
324	324	1		2011	UNL	UCF83103L011	324	PUMP-OUT BOAT	N COAST 23	PUMP-OUT	BOAT	WHITE	0	0		0			30666	20130809	0	20130311	0	0	0
2328	328	77		1989	DSL	1HTLDTVN6KH626148	32	DT466-185HP	INTERNAT'L	S1954-SANI	PACK	WHITE	0	20140306	L14966	135633			32152	20140306	135633	20130304	134189	0	0
329	329	3		2005	UNL	T4PR052810354	HWY 29B	ASPHALT HAULER	SPAULDING	RMV	HTBX	YELOW	0	0		0			31316	20131011	0	20130313	0	0	0
2330	330	3		1956	DSL	148814	HWY 35	734CI-220HP	WALTER	ACBL	PLOW	ORANG	0	0	L14935	17740			31516	20140219	17740	20130327	17740	0	0
2331	331	3		1998	DSL	1HTSCAAP2WH501955	HWY 36	DT466E-225HP	INTERNAT'L	4700-AUTO	SWEP	WHITE	0	20140304	L14968	5754			32120	20140304	57530	20130301	54370	0	0
2333	333	3		1982	DSL	1.3079E+11	HWY 38	4219DF-01 DIESE	INGERSOLL	185	COMP	CREAM	0	0	NONE	386			21622	20080902	189	0	0	0	0
2336	336	3		2012	DSL	HHKHLM01J0000513	HWY 43	2.25YD-170HP	HYUNDAI	HL757-9	LODR	YELOW	0	20131007	R29575	723			30326	20130423	325	20130314	313	0	0
2337	337	3		2000	DSL	1FDXF46F2YED34489	HWY 44B	7.3L-BUCKET	FORD	F450	TREE	WHITE	0	20130624	K20067	71673			31154	20130903	71662	20130301	0	20140306	71673
2340	340	70		1991	UNL	1FDKF37HXMNA73188	MG 48	5.8L-11.K GVW	FORD-MG	F350	SHOP	ORANG	0	20130510	K81507	63935			30559	20130510	62426	20130306	62325	0	0
2342	342	3		2013	DSL	1HTMMAAN4DJ353379	HWY 50	ELGIN SWEEPER	INTERNAT'L	4300 SBA	SWEP	WHITE	0	0	R29574	1062			30347	20130412	1	0	0	0	0
2343	343	3		1999	DSL	1FV6JJBB1XHB30240	HWY 51	7.2-3126CAT-230	FREIGHTLIN	FL80-AUTO	8 YD	ORANG	0	20130509	L14981	44000			32058	20140304	44000	20130308	42286	0	0
2344	344	3		1987	UNL	000B01975O	HWY 52	TRACTOR W/BOOM	CASE	585	MOWR	RED	0	0	L14950	4452			23328	20090728	4200	0	0	0	0
2345	345	3		2003	DSL	1HTGEAHR83H560429	HWY 53	CUMNS/288HP	INTERNAT'L	2500-AUTO	8YD	ORANG	0	20130514	L77121	61660			32053	20140219	61239	20130308	58474	0	0
2346	346	3		2005	DSL	1HTWDAAR75J080340	HWY 56	DT466/260HP	INTERNAT'L	7400SFA	6YD	OR/BK	0	20131113	L56178	33727			32027	20140214	33260	20130308	30595	0	0
2347	347	3		1998	DSL	1M2K191C8WM011165	HWY 118	10WH-SNO-300HP	MACK	MR688S	SPDR	ORANG	0	20131009	R12390	23000			32114	20140303	23000	20130308	2127	0	0
2348	348	3		1994	UNL	1FDNK74C8RVA33921	HWY 58	SAFETY TRUCK	FORD	F700	SAFT	YELOW	0	20130513	R24460	80690			32113	20140304	80690	20130322	78510	0	0
2349	349	3		2000	DSL	JR2212A6477J02	HWY 55	4.5L-4045 POWER	TARCO-VAC	BIG-T-VAC	LEAF	YELOW	0	0	D14761	415			29512	20121114	415	0	0	0	0
2350	350	3		1992	DSL	10T3E1BX1P1046306	HWY 100	DETROIT-BIG BLO	OSHKOSH	HB2518-MP3	BLOR	GREEN	0	0	NO BLOWE	2207			32061	20140301	2207	0	0	0	0
2351	351	3		1989	DSL	87V09055	HWY 63	ROAD GRADER	CATERPILLA	120G	GRDR	YELOW	0	0	L14948	2780			31699	20140102	2835	20130315	2835	0	0
2352	352	3		1986	DSL	1GBHD34J3GF425820	HWY 64	6.2L UTILITY	CHEVY-MIKE	M998	SHOP	YELOW	0	20130711	R24475	13596			31460	20131106	17190	20130304	13596	0	0
2353	353	3		1991	DSL	1M2P264CXMM008438	HWY 66	MACK ROLL-OFF	MACK	RD690S	HWY	WHITE	0	20131011	L25901	77671			31354	20131011	75600	0	0	0	0
54	354	3		1986	UNL	SN3955	HWY 54	HOT BOX	POWERAY	4TSU	HTBX	ORANG	0	0	L76846	0			30539	20130509	0	0	0	0	0
2355	355	3		1985	DSL	50857	HWY 67	MOWER/SIDEWLK	TORO	GROUNDSMAS	MOWR		0	0	NONE	2679			19255	20070613	2613	0	0	0	0
2356	356	3		1985	UNL	1AWC00116F4000438	HWY 68	6CYL.FORD	WHISPER	CHIPPER	CHIP	ORANG	0	0	A18641	515			20515	20080206	515	0	0	0	0
357	357	3		2002	UNL	5ASAG27412F019348	HWY 103	GEM CAR FOR HWY	CHRYSLER	GEM	SHOP	WH/RE	0	0	18448LU	274			21788	20081017	274	0	0	0	0
2360	360	3		1988	DSL	1HTZPGJT5JH568772	HWY 73	LT10-CUMN-285HP	INTERNAT'L	2574	14YD	ORANG	0	20130923	L15033	27690			31243	20130923	25800	20130314	23982	0	0
2361	361	3		2011	DSL	BW35030	HWY 74	TRACTOR MOWER	MASSEY	PERKINS		YELOW	0	0	NONE	928			30996	20130731	928	0	0	0	0
2364	364	3		2008	DSL	60C35007	HWY 76	2YD-122HP	KAWASAKI	60ZV-2	LODR	YELOW	0	0	43187SC	3561			30976	20130729	3168	20130301	2998	20140304	3561
2365	365	3		1985	UNL	1VRC111A6F1001101	HWY 77	6CYL.FORD	VERMEER	1600	CHIP	YELOW	0	0	A18642	1775			23480	20090819	1775	0	0	0	0
2368	368	3		1978	UNL	1780263	HWY 84	SIDEWALK PLOW	BOMBARDIER	SW48FA			0	0	L14937	2460			20133	20071121	2460	0	0	0	0

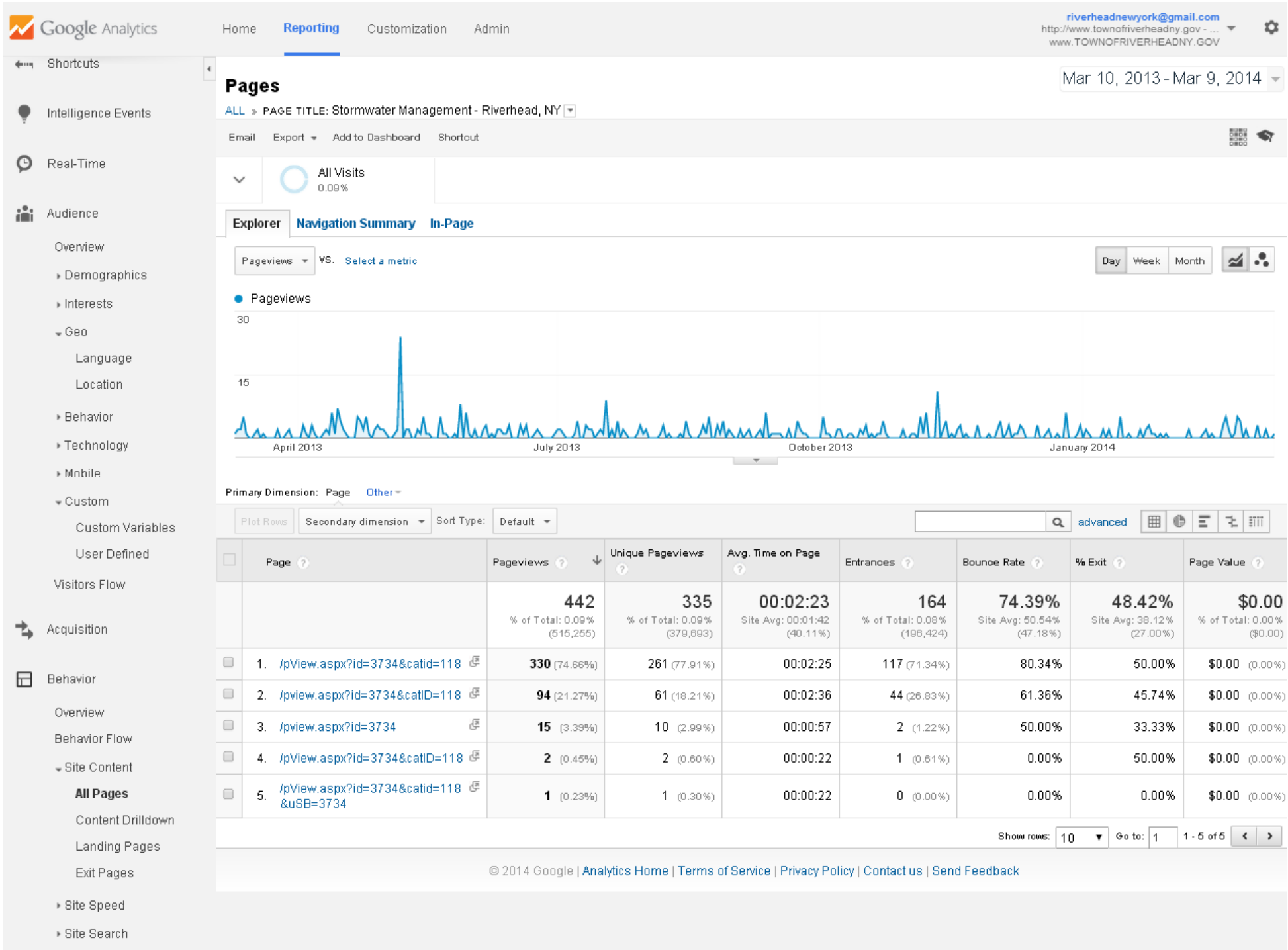
KEY#	VEH	DP	CL	YEAR	FUEL	VIN NUMBER	TOWN ID	DESCRIPTION	MAKE	MODEL	TYPE	COLOR	REG EXP	INSP DT	PLATE	CY ODOM	PR ODOM	ODOM DT	RO #	RO DATE	RO MILES	10-Mar	10 ODOM	11-Mar	11 ODOM
2369	369	3		1981	DSL	89492	HWY 85	TRACTOR LOADER	FORD/MOWER	445	MOWR	YELOW	0	0	NONE	0			32167	20140310	0	0	0	0	0
2374	374	3		1988	DSL	AK0016568/47239P1192D03	HWY 40	CASE FORK LIFT	CASE	M4KN	LIFT		0	0		155			28430	20120703	155	0	0	0	0
2376	376	3		1992	DSL	1HTGEAYR9NH461282	HWY 26	L10-CUMN-260HP	INTERNAT'L	2574-AUTO	7YD	ORANG	0	20130321	L15030	82855			31867	20140207	82600	20130321	82220	0	0
2377	377	3		1983	DSL	ZC3453704D3400XA7	HWY 47	WHITE-D3400	GIANT-VAC	LEAF VACUM	LEAF	RD/BK	0	0	NONE	2311			31520	20131119	2311	0	0	0	0
2378	378	3		1992	DSL	A213C1539A	HWY 21	ARTICULATED VIB	HYSTER	C748A-HYPA	ROLL	YELOW	0	0	L14962	877			28384	20120404	0	0	0	0	0
2380	380	3		1985	DSL	1M2W129Y3FA021225	HWY 81	EM6-250HP	MACK	U685ST	SAND	ORANG	0	20130517	L14960	134713			27897	20120104	334713	0	0	0	0
2381	381	3		2001	DSL	1FVHAEA831LH79919	HWY 92	ISM305V/6-CL/CU	FREIGHTLIN	FLD112/AUT	VAC	WHITE	0	20130627	L43696	57761			31330	20131008	57075	20130304	54820	0	0
2382	382	3		2011	UNL	1VR7141Y1B1000335	HWY 28	3.26 MOD B3.3	VERMEER	CHIPPER	CHIP	ORANG	0	0	NONE	0			29853	20130116	527	20130305	0	20140307	0
2383	383	3		1994	DSL	1FDZY90T6RVA04290	HWY 91	3306-CAT-10.5L	FORD-SHIFT	L9000	VAC	OR/WH	0	20130906	L25903	62409			31614	20140102	62409	20130301	61551	0	0
2387	387	3		2011	DSL	11090886	HWY 87	LAWN MOWER	HUSTLER	3700	MOWR		0	0	NONE	0			31007	20130805	0	0	0	0	0
2388	388	3		1993	DSL	1FDXK84EOPVA20996	HWY 6	8.3-CUMIN-250HP	FORD	F800	5 YD	ORANG	0	20140312	L15028	44260			32172	20140312	44260	20130308	43350	20140306	44213
2402	390	3		1995	DSL	1FDYR82E4SVA65533	HWY 93	8.3-CUMIN-250HP	FORD	L8000/AUTO	8 YD	ORANG	0	20131003	L14929	58080			32035	20140301	58080	20130308	57533	0	0
2391	391	3		2006	DSL	LV5525R257661	HWY 15	4.5L TIGER MOWE	JOHN DEERE	5525	BOOM	GREEN	0	0	NONE	435			29426	20121130	961	0	0	0	0
2392	392	3		2007	DSL	RSG00383	HWY 46	1104C-44T	ASV	RCV			0	0		516			25913	20110106	0	0	0	0	0
394	394	3		2001	UNL	3FTWE21L41MA68860	HWY 57	5.4-280HP-8.6GW	FORD	F250	P/U	WHITE	0	20131009	R11753	113600			31333	20131009	113600	20130301	108055	20140306	113600
2395	395	3		1990	DSL	486SE1513LW006527	HWY 95	5.9CUMN-CHIPPER	ASPLUNDH	EEGER BEVR	CHIP	ORANG	0	0	MODEL 300	2502			22563	20090226	2474	0	0	0	0
396	396	3		2000	UNL	1FTNF21L4YED14998	HWY 60	5.4L-8800GVW	FORD	F250	P/U	WHITE	0	20140205	R12379	0			31977	20140207	70590	20130304	60	0	0
2398	398	3		2000	DSL	514443503	HWY 98	MELROE	BOBCAT	863	LOAD	WHITE	0	0	NONE	2843			30753	20130627	2843	0	0	0	0
2399	399	3		2001	DSL	1FVABUAK11HH95561	HWY 99	7.2-3126CAT-230	FREIGHTLIN	L70-AUTO	CLAW	WH/OR	0	20131024	K20022	31544			31740	20140113	31000	20130305	28669	20140305	31544
4401	401	3		1995	DSL	022454B	HWY 1	TRACTOR-MOWER	FORD/MOWER	4630	MOWR	BLUE	0	0	L76844	4258			31113	20130828	4201	0	0	0	0
2403	403	3		1981	DSL	1M2S137C5BA001368	HWY 119	SNO FIGHTER-235	MACK	RM6854X	6X6	ORANG	0	20131007	M57028	9853			31294	20131007	9852	0	0	0	0
3304	404	3		1969	UNL	870M	HWY 104	LITTLE SNO BLOW	SICARD	5150	SNBL	YELOW	0	0	NONE	0			26244	20110310	500	0	0	0	0
2407	407	3		2008	DSL	N8C509242	HWY 7	BACKHOE/LOADER	CASE	590M TURBO	HWY	YELOW	0	0	M12920	1041			31179	20130910	948	20130304	826	20140305	1041
408	408	3		2002	DSL	1GBJK34102F143702	HWY 8	6.6L-300HP-4X4	CHEVROLET	3500	DUMP	ORANG	0	20130408	K28227	141418			32052	20140218	136103	20130301	92686	20140307	140818
409	409	3		1993	DSL	1HTSEPHN6PH503310	HWY 9	DT466-225HP	INTERNAT'L	4854	6X6	ORGWH	0	20130925	M49991	30413			31885	20140219	31000	20130306	30384	0	0
413	413	3		2002	DSL	1GBJK34102F151153	HWY 13	6.6L-300HP-4X4	CHEVROLET	3500	DUMP	ORANG	0	20130404	K28218	95653			32165	20140310	95653	20130301	90106	0	0
414	414	3		2007	DSL	1HTWDAAR07J445170	HWY 14	DT466H+/285HP	INTERNAT'L	7400SFA	6YD	ORANG	0	20130807	M20102	22420			31024	20130807	26800	20130308	22420	0	0
417	417	3		2005	DSL	1HTWDAAR85J058346	HWY 17	DT466/260HP	INTERNAT'L	7400SFA	6YD	OR/BK	0	20130906	L56179	30760			31882	20140312	30760	20130305	22430	20140306	23958
418	418	3		2007	DSL	1HTWDAAR27J445168	HWY 18	DT466H+/285HP	INTERNAT'L	7400SFA	6YD	ORANG	0	20130802	M20100	14815			31751	20140117	14810	20130307	14810	0	0
422	422	3		2006	UNL	1FTNF215X6ED96198	HWY 22	5.4-280HP-8.6GW	FORD-RON	F250-AUTO	P/U	WHITE	0	20130904	M20137	149459			32089	20140301	147476	20130301	119908	20140307	149459
424	424	3		2004	UNL	1FTSF31L04ED81181	HWY 24	5.4-280HP-9.9GW	FORD	F350-AUTO	P/U	WHITE	0	20130611	L55757	98849			32003	20140301	98406	20130304	95223	20140306	98762
427	427	3		2007	DSL	1HTMPAFN67H433830	HWY 27	VT365-500X	TYMCO	4200SERIES	SWEP	WHITE	0	20131011	M32462	23109			32139	20140311	22500	20130304	16825	0	0
432	432	3		2006	UNL	1FTWF31586EA78395	HWY 32	5.4L-280HP-9.9G	FORD-SIGN	F350-AUTO	SIGN	WHITE	0	20131011	L94388	76572			32085	20140226	76112	20130305	67323	20140303	76321
433	433	3		2008	UNL	1JKODT2058M009108	HWY 33	8WHL BRK-25900	INTERSTATE	20DT	TRLR	GRAY	0	20131001	M23640	0			31293	20131001	0	0	0	0	0
434	434	3		2003	UNL	1GCHK24U33E296029	HWY 34	6.0-300HP-8.5GW	CHEVROLET	2500HD	P/U	ORANG	0	20130405	L76804	154693			31122	20130826	148519	20130301	144003	20140306	154693
441	441	3		2004	UNL	1FTSF31L24ED81182	HWY 41	5.4-280HP-9.9GW	FORD	F350-AUTO	P/U	WHITE	0	20130610	L55756	89996			31247	20130920	85641	20130306	78091	0	0
448	448	3		2009	UNL	1FTWF31569EA50759	HWY 48	5.4-280 HP-9.9G	FORD-DONAL	F350 AUTO	P/U	WHITE	0	20130404	M49999	67335			32018	20140212	64500	20130304	55503	20140305	66951
462	462	3		2008	DSL	1HTWDAAR38J656168	HWY 62	DT466H+/285HP	INTERNAT'L	7400WRKSTA	DUMP	ORANG	0	20131011	M32464	72871			32078	20140225	27000	20130305	57235	0	0
469	469	3		2001	DSL	LV5320P137038	HWY 69	TRACTOR/MOWER	JOHN DEERE	LV5320P	MOWR	GREEN	0	0	K16379	2541			31326	20131011	2437	0	0	0	0
475	475	3		2010	UNL	1FTSX2B59AEB25558	HWY 75	5.4-300HP-8.6GW	FORD-MARK	F250	MARK	WHITE	0	20130409	M57534	6660			31240	20130919	39300	20130304	34156	20140306	6660
478	478	3		2006	UNL	1GBHC23436F216942	HWY 78	6.0-300HP-9.2GW	CHEVROLET	2500HD	UTIL	WHITE	0	20130610	M20106	63368			31924	20140130	62785	20130301	56833	0	0
480	480	3		2009	UNL	1GNDT33S292132287	HWY 80	4.2L 4X4 SUV	CHEVY-GEO	TRAILBLAZR	GEO	BLACK	0	20140205	M49970	88867			31965	20140205	87422	20130305	73218	20140308	88697
482	482	3		2001	UNL	1JK00S1091M001817	HWY 82	4WHL BRK-12730G	INTERSTATE	10ST	TRLR	GREY	0	20130603	K20048	0			31182	20131001	0	0	0	0	0
486	486	3		2003	UNL	1GCHK24U53E292175	HWY 86	6.0-300HP-8.5GW	CHEVROLET	2500HD	P/U	ORANG	0	20130502	L76803	133970			32081	20140225	133616	20130304	126642	20140303	133970
488	488	3		2007	DSL	LD0710027	HWY 88	3.25YD-178HP	HYUNDAI	HL757-7A	LODR	YELLO	0	0	40948SC	3824			31721	20140106	3540	20130304	3350	0	0
490	490	3		2007	DSL	1HTWDAAR07J445167	HWY 90	DT466H+/285HP	INTERNAT'L	7400SFA	6YD	ORANG	0	20130807	M12999	17623			31505	20131120	32145	20130307	17621	0	0
496	496	3		2007	DSL	1HTWDAAR47J445169	HWY 96	DT466H+/285HP	INTERNAT'L	7400SFA	6YD	ORANG	0	20131114	M20101	25000			32026	20140301	25000	20130307	228790	0	0
497	497	3		1997	DSL	1M2K191C8VM010130	HWY 129	10WHEL SNOFIGHT	MACK	MR688S	SPDR	ORANG	0	20140312	R11793	25418			32177	20140312	25418	0	0	20140303	25417
2302	500	3		1999	DSL	1FV6JJBB5XHB30239	HWY 2	7.2-3126CAT-230	FREIGHTLIN	FL80-AUTO	8 YD	ORANG	0	20130514	L14982	44539			32038	20140214	43846	20130307	41227	0	0
2516	516	1		1993	UNL	MIX40019C393	BOAT	18' BOAT	MARITIME	SKIFF	BOAT	WHITE	0	0	NONE	0			31635	20131227	0	20130311	0	0	0
549	549	1		2011	UNL	5A4DD4V27B2051982	PUMPTR2	PUMP-BOAT TRLR	LOAD RITE		TRLR	GREY	0	0	R12837	0			28268	20120315	0	0	0	0	0
551	551	82		1990	UNL	1ZE1TS42XLRN21713	BAY TR1	BOAT TRAILER	EZ LOADER	TM 7 7000	BAY	GREY	0	0	L76838	0			30573	20130517	0	0	0	0	0
552	552	82		1980	UNL	10157	BAY TR2	BOAT TRAILER	HIGHLANDER	T17-12G	17'	GREY	0	0	P37812	0			29200	20121108	0	0	0	0	0
553	553	4		2000	UNL	1W9SE2826YM174013	SHOWMO	SHOWMOBILE TRLR	WENGER	89D1-SHOWM	SHOW	WHITE	0	0	NONE	0			32103	20140301	0	0	0	0	0
554	554	1		1980	UNL	BARRIC	BARRIC	BARRICADE TRAIL	HOMEMADE	2 WHEEL	PD	BLUE	0	0	17010C	0			30601	20130520	0	0	0	0	0
555	555	1		1980	UNL	MUNICIPAL GARAGE	MOTORCY	MOTORCYCLE TRAI	HOMEMADE	UTILITY	MG	BLUE	0	0	NONE	0			13102	20040602	0	0	0	0	0
556	556	1		2000	UNL	5A4ECWW27Y2050003	CRU TRL	PD RESCUE TRAIL	LOAD RITE	26T7400G1	TRLR	GREY	0	0	L14932	0			29700	20121228	0	0	0	0	0
557	557	1		2000	UNL	MPH5230020JLPC080	RADAR	SPEED MONITOR	MPH	2000	SPED	WHITE	0	0	HPT	0			24312	20100205	0	0	0	0	0
558	558	9		2000	UNL	5B7261863Y1001325	WTR TR4	10 TON TRAILER	CUSTOM TRL	10T242EDLP	WTR	YELLO	0	20130603	L14974	0			31342	20131011	0	0	0	0	0
559	559	6		1985	UNL	112HDB20XFT090008	B&G TR1	2AXLE 23200LBS	EAGER BEVR	9HDB-W/BRK	HOE	YELLO	0	0	L70673	0			30277	20130412	0	20130320	0	0	0
560	560	6		2012	UNL	4YMUL1628CV009086	B&G TR2	2AXLE W/BRK TRL	MODER-B&G	TRAILER	UTLT	BLACK	0	0	R13326	0			30973	20130725	0	0	0	0	0
561	561	6		1975	UNL	757113	B&G TR3	2AXLE W/BRAKES	REID-B&G	TRAILER	UTLT	YELOW	0	0	B72125	0			31060	20131115	0	0	0	0	0
562	562	6		2005	UNL	5LUBF15145S001607	B&G TR4	2990LB-1AXLE	STAR-B&G	6X12	TRL	BLACK	0	0	L86132	0			29906	20130128	0	0	0	0	0
563	563	8		1981	UNL	1CZUA11S7D1104091	SS TR1	TILT TRLR	COX	TRAILR-SWR	TRLR	BROWN	0	0	L70671	0			25555	20100915	0	0	0	0	0
564	564	6		2001	UNL	13ZLA142911000497	B&G TR5	2AXLE W/BRK 3.5	PARKER-B&G	TRAILER	UTLT	BLACK	0	0	K20043	0			31839	20140121	0	0	0	0	0

KEY#	VEH	DP	CL	YEAR	FUEL	VIN NUMBER	TOWN ID	DESCRIPTION	MAKE	MODEL	TYPE	COLOR	REG EXP	INSP DT	PLATE	CY ODOM	PR ODOM	ODOM DT	RO #	RO DATE	RO MILES	10-Mar	10 ODOM	11-Mar	11 ODOM
565	565	1		2008	UNL	5HABE08158NO12980	SCALES	PD SCALES TRL	HOMESTEADR	508CS-TRL	PD	WHITE	0	20140203	M32492	0			31941	20140203	0	0	0	0	0
566	566	82		2009	UNL	5A4HDT12292050721	BAY TR3	PARKER BOAT TRL	LOADRITE	TRAILER	25'	GREY	0	0	98922	0			23968	20091117	0	0	0	0	0
568	568	9		2000	UNL	5B733153311002567	WTR TR7	6 TON TRAILER	CUSTOM TRL	6T162FDATW	WTR	YELLO	0	20130603	K20017	0			30671	20130603	0	0	0	0	0
569	569	3		1987	UNL	1TKH04328HM069247	HWY 30	5TH WHL-84K GVW	TRAIL KING	1500-4360	LOBW	YELOW	0	20131005	L25902	28340			31209	20130913	28340	0	0	0	0
570	570	79		2003	UNL	1A9500F1631270366	ENG TR1	AMERI*CAN TOILE	AMERI*CAN	PORTAPODDY	TRLR	WHITE	0	0	L71596	0			30789	20130624	0	0	0	0	0
571	571	1		2004	UNL	5HABV10144N037395	HD TRL	QUAD TRAILER	HOMESTEADR	610CS PD	QUAD	WHITE	0	20140203	L43695	0			31939	20140203	0	0	0	0	0
573	573	1		2004	UNL	45LBS242542074642	PUMP TR	PUMP-BOAT TRLR	SEA LION	SE24T5400B	TRLR	GREY	0	0	L55574	0			25335	20100805	0	0	0	0	0
574	574	8		2002	UNL	4FVCABTAAYU308858	AIR COM	AIR COMPRESSOR	AIR COMPRE		TRLR		0	0	NONE	32			23772	20091007	32	0	0	0	0
575	575	1		2005	UNL	5HABV10195N042934	QUADTRL	QUAD TRAILER	HOMESTEADR	610CS PD	QUAD	WHITE	0	0	L56198	0			30793	20130624	0	0	0	0	0
576	576	1		1996	UNL	4TC221089UH069262	TR-1	2 WHEEL TRAILER	TRITON	LITE	2WHL	GREY	0	0	C70320	0			30596	20130520	0	0	0	0	0
577	577	9		2006	UNL	5HABV14266N056914	WTR TR5	ENCLOSED TRAILE	HOMSTEADER	714CT	TRL	WHITE	0	20140203	M12909	0			31940	20140203	0	0	0	0	0
578	578	1		2007	UNL	1B93S071X7H659043	RADAR 1	SPEED MONITOR	B&W		SPED	WHITE	0	0	HPT 1	0			31183	20130916	0	0	0	0	0
580	580	78		2007	UNL	4YMUL12107V144999	REC TRL	OPEN TRL-2 WHEE	CARRY-ON	TRLR-REC	TRLR	BLACK	0	20140304	M33318	0			32116	20140304	0	20130301	0	0	0
581	581	3		1998	DSL	16MJT0616VD022000	HWY 107	4CLY JOHN DEERE	GOODWIN	WATER PUMP	PUMP	ORANG	0	0	NONE	1058			25003	20100519	1058	0	0	0	0
582	582	3		2009	UNL	1C954101791418086	HWY 108	SEAM SEALER TRL	CRAFCO	TRAILER	TRLR		0	0	M50481	0			31590	20131204	0	0	0	0	0
2583	583	3		1968	UNL	231922G313006	HWY 109	549CI-56K GVW	INTERNAT'L	190	TANK	ORANG	0	0	R12843	8007			31483	20131112	8007	0	0	0	0
2584	584	3		1992	DSL	10T2COBAON1046401	HWY 116	MONSTER PLOW	OSH KOSH	PA2530SP	PLOW	GREEN	0	0	R12874	8000			32033	20140218	8000	0	0	0	0
2585	585	3		1993	DSL	10T2COBA9P1047310	HWY 117	MONSTER PLOW	OSH KOSH	PA2530SP	PLOW	GREEN	0	0		10000			29303	20121002	774	20130305	814	20140307	10000
2586	586	3		1979	DSL	115426N	HWY 115	DET-450HP	PETERBILT	359519	TRAC	RED	0	20130802	R12835	452830			31579	20140102	452830	0	0	0	0
587	587	3		1995	DSL	1S8AD3222S0008706	HWY 114	SUMMIT TRAILER	SUMMIT	TRAILER			0	20130822	R12836	0			31572	20140102	0	0	0	0	0
3105	605	3		2006	DSL	6.041E+15	HWY 105	125HP	SALSCO	P13XT-CHIP	CHIP	ORANG	0	0	NONE	0			29125	20120823	0	0	0	0	0
2608	608	6		1989	DSL	1HTSDTVRXLH223175	61	DT466-225HP	INTERNAT'L	4900-B&G	DUMP	WHITE	0	20130415	L15018	0			31811	20140115	72300	20130305	50500	20140305	0
2609	609	6		1994	UNL	1GCHK34K3RE260094	63	5.7-225HP-9.6GW	CHEVROLET	K3500-B&G	B&G	WHITE	0	20131004	L15006	96409			32049	20140216	96105	20130305	91111	20140304	96409
2613	613	6		1995	DSL	A432908	55	50HP-4X4	FORD-B&G	555D	B&G	YELOW	0	20140115	NONE	3600			31193	20130926	6762	0	0	0	0
2614	614	6		1998	UNL	1GTGK24ROWZ540580	88	5.7-255HP-8.6GW	GMC P/U	K2500-B&G	B&G	WHITE	0	20130906	L15041	95221			32090	20140226	98040	20130306	90101	0	0
2616	616	6		1991	DSL	01HF01993	70	50HP-2YD PAYLOA	CATERPILLA	IT28B-B&G	LODR	YELOW	0	0	NONE	10115			31724	20140107	10033	20130307	9916	20140306	10115
2640	640	1		2001	UNL	3H1AF160X1F200040	640	MARKED MOPED	HONDA	SA50-ELITE	MOPD	BLACK	20040430	20130921	640	148			26920	20110621	148	0	0	0	0
2641	641	1		2001	UNL	3H1AF16001D200046	641	MARKED MOPED	HONDA	SA50-ELITE	MOPD	BLACK	20040430	20130921	641	140			26922	20110621	140	0	0	0	0
2642	642	1		2002	UNL	1HD1FMW142Y641522	642	MOTORCYCLE	HARLEY DAV	FLH	HP-2	WHITE	0	20130816	642	8000			30303	20130415	8000	20130326	8000	0	0
643	643	1		2002	UNL	5ASAG47472F030284	643	ELECTRIC CAR	GEM	1114-00115	GEM	BLUE	0	0	10449LU	422			21824	20081017	422	0	0	0	0
2644	644	1		2003	UNL	JKBVFHA133B522971	644	360CC 4X4	KAWASAKI	KVF360-A1	QUAD	GREEN	0	0	644	0			30758	20130620	0	0	0	0	0
645	645	1		2004	UNL	JKBVFHA154B538588	645	360CC 4X4	KAWASAKI	KVF360-A2	QUAD	GREEN	0	0	645	0			30408	20130516	0	0	0	0	0
646	646	1		2013	UNL	4XAMH46A2DA066154	646	400HO-4X4	POLARIS	SPORTSMAN	QUAD	BLUE	0	0	646	0			30961	20130723	7	0	0	0	0
2655	655	6		2007	DSL	32021	55A	4X4 TRACTOR	KUBOTA-B&G	L4240	LOAD	ORANG	0	0	NONE	660			32171	20140310	660	20130306	610	0	0
665	665	3		2001	UNL	T4DR010808181	HWY 65	DIESEL FUEL TRA	HOMEMADE	200 GALLON	FUEL	ORANG	0	0	K28202	0			15569	20050819	0	0	0	0	0
681	681	20		2011	UNL	1FMJK1GS4BEF33735	681	5.4-300HP	FORD-6581	EXPO-SPOND	6581	WHITE	0	20130904	R12872	38850			32117	20140306	38850	20130303	21913	20140305	29106
682	682	20		2005	UNL	1FMPU16555LA38546	682	5.4L-300HP	FORD-6580	EXP0-SPOND	6580	WHITE	0	20131204	L56185	68381			32118	20140304	67800	20130306	61696	20140308	68239
683	683	20		2005	UNL	1FMPU16515LA31772	683	5.4L-300HP	FORD-6530	EXP0-CHIEF	6530	WHITE	0	20140304	L56186	88929			32133	20140304	88507	20130301	71440	20140307	88929
685	685	20		2003	DSL	1FDXE45F43HA80425	685	7.3L-15K GVW	FORD-6518	E450-685	6518	WHITE	0	20130612	L70685	72854			32075	20140224	72763	20130302	64802	20140305	72854
2686	686	20		2000	DSL	1FDXE45F0YHA77044	686	7.3L-15K GVW	FORD-6516	E450-686	6516	WHITE	0	20130613	L14969	471			31645	20131217	79530	20130301	76538	0	0
687	687	20		2006	DSL	1FDXE45PX6HB13988	687	6.0L-15K GVW	FORD-6520	E450-687	6520	WHITE	0	20140211	L98626	74841			32016	20140211	73086	20130313	63319	20140309	74723
689	689	20		2008	DSL	1FDXE45PX8DA95521	689	6.0L-15K GVW	FORD-6519	E450-689	6519	WHITE	0	20130819	M40289	48153			31996	20140311	47253	20130308	39478	20140308	48068
2714	714	70		1986	UNL	1GBJK34M8GJ172671	303	5.7L-11K GVW	CHEVROLET	K30	WREC	WHITE	0	20130603	L76842	97261			31438	20131115	96530	20130304	88888	20140309	97261
715	715	70		2002	UNL	5ASAG27472F019547	MG 49	GEM CAR MUN GAR	CHRYSLER	GEM	SHOP	WH/RE	0	0	18447LU	158			23433	20090812	158	0	0	0	0
2719	719	40		1995	DSL	1GDL7H1J2SJ503262	93	3116 CAT-AUTO	GMC-LITE	C7H042	BUCK	WHITE	0	20130611	L15008	0			31676	20131218	69870	20130313	96160	0	0
2733	733	74		2014	UNL	1FADP3E2XEL178437	37	FORD FOCUS	FORD	FOCUS	NUTR	GREY	0	20131230		327			32056	20140218	350	0	0	20140307	327
740	740	74		2010	UNL	1FDFE4FS5ADA08953	86	6.8L-14PASS	FORD-NUTRA	E450-14500	BUS	WHITE	0	20130606	M74863	32604			32104	20140227	32150	20130305	23504	20140307	32604
9801	801	99		2013	UNL	1FDFE4FL5DDA89191	SD30133	2013 FORD E450	FORD	E450			0	0	R35713	118			31387	20131022	120	0	0	20140307	118
2804	804	8		1998	UNL	1GTGK24R4WE542257	24	5.7-255HP-8.6GW	GMC-PU-SWR	K2500	SWR	RED	0	20131007	L15000	117080			32182	20140312	117080	20130303	110638	20140307	116959
2805	805	8		1975	UNL	C6ODVW06441	26	330XD-CI-8 CYL.	FORD-SWR	C-600	ROD	ORANG	0	20130606	L76833	17590			31200	20130918	17590	0	0	0	0
2806	806	8		1957	UNL	4B57T130036	27	GENERATOR 14KGW	CHEVROLET	4400	4X2	GREEN	0	20130612	L76832	11162			31544	20131125	11162	0	0	0	0
2809	809	3		1994	DSL	1M2P286C1RM018906	HWY 31	8.2L/10 WHEEL	MACK	FD DUMP	DUMP	WHITE	0	20130923	R12408	41681			32098	20140304	42000	20130305	35486	20140305	41609
2812	812	8		1991	DSL	1FDYR82AXMVA29734	25	7.8L-DIESEL VAC	FORD-SWR	L8000	VAC	WHITE	0	20130402	L15011	124874			32029	20140214	124250	20130318	114756	0	0
2813	815	8		2011	DSL	NAHH00520	14	BACKHOE 4X4	NEWHOLLAND	B95B	SWR	YELOW	0	0	NONE	469			31845	20140121	0	0	0	0	0
2815	816	8		1998	UNL	1GTHG35R5W1042044	80	5.7-255HP-8.6GW	GMC-CAMERA	G3500-SWR	SWR	WHITE	0	20130507	L14998	71500			32181	20140312	71500	0	0	20140306	71414
9902	902	98		2007	DSL	4S7BT2B927C056391	F286211	2007 SPARTAN	SPARTAN				0	0	6211	4866			30022	20130213	4845	20130311	4866	0	0
2903	903	9		1998	DSL	1HTSCABM4XH627837	3	T444E-190-20.5G	INTERNAT'L	4700-WTR	DUMP	WHITE	0	20130502	L14931	39239			31857	20140129	39115	20130328	38051	0	0
2905	905	3		1989	DSL	1HTLDTVR2KH653186	HWY 79	DT466-185HP	INTERNAT'L	S-1900	CHIP	WHITE	0	20130624	L15046	88891			31801	20140115	88390	20130301	84703	20140307	88891
2909	909	9		1998	UNL	1GBHK34R5WE203392	7	5.7-255HP-9.6GW	CHEVROLET	K3500-WTR	UTLY	WHITE	0	20130506	L14992	115818			31274	20130925	112039	20130301	105307	20140308	115818
2910	910	9		1998	UNL	1GCHK34R1WE209086	8	5.7-255HP-10.GW	CHEVROLET	K3500-WTR	DUEL	WHITE	0	20130604	L14994	85304			31986	20140207	85304	20130306	80268	0	0
2912	912	9		1989	DSL	1HTLDTVR1KH663482	10	DT466-185HP	INTERNAT'L	S1900-WTR	DUMP	WHITE	0	20140206	L15017	72401			31981	20140206	72367	0	0	0	0
2916	916	9		1987	DSL	C772557	15	50HP-BACKHOE	FORD-WTR	555B	WTR.	YELOW	0	0	18970M	3551			29432	20121030	3500	0	0	0	0
2917	917	9		2003	DSL	LV0110T210257	16	BACKHOE	JOHN DEERE	110-WTR	WTR	YELOW	0	20140201	NONE	1490			31690	20131230	1473	0	0	0	0
918	918	9		2009	UNL	2FAHP71VX9X128025	17	UNMARKED-4.6L	FORD	CN VIC-WTR	WTR	WHITE	0	20131204	M50454	167270			31584	20131204	167153	20130301	154969	20140306	167270
2919	919	9		1996	DSL	261425UAG327	18	4039D-DIESEL-CO	INGERSOLL	P185 WJD	COMP	CREAM	0	0	NONE	1541			29065	20120808	788	0	0	0	0

KEY#	VEH	DP	CL	YEAR	FUEL	VIN NUMBER	TOWN ID	DESCRIPTION	MAKE	MODEL	TYPE	COLOR	REG EXP	INSP DT	PLATE	CY ODOM	PR ODOM	ODOM DT	RO #	RO DATE	RO MILES	10-Mar	10 ODOM	11-Mar	11 ODOM
2920	920	9		2001	DSL	4FVCABDA81431794	18A	#317594UKK221	INGERSOLL	P185 WJD	COMP	CREAM	0	0	NONE	0			31009	20130731	0	20130328	0	0	0
9921	921	98		2013	UNL	1GNSK2E04DR320969	F296235	6-2-35 2013 TAH	CHEVY	TAHOE			0	0	R29599	466			30730	20130613	456	0	0	20140308	466
9922	922	98		2010	DSL	1F9E228T0ACST2059	FD8621	2010 SEAGRAVE	SEAGRAVE				0	0	621	7762			29993	20130206	7759	20130304	7759	20140305	7762
9923	923	98		1997	DSL	1F9EW28T9VCST2023	FD9622	1997 SEAGRAVE	SEAGRAVE				0	0	622	28185			30267	20130320	28185	20130320	28185	20140306	28185
9924	924	98		2002	DSL	4Z3AAACG52RJ81874	FD10623	2002 AM LAFRANC	AM LAFRANC				0	0	623	16015			30268	20130320	16015	20130320	16015	0	0
9925	925	99		1987	UNL	1GDG6D1A5HV502525	SD1B1	1987 GMC 6000	GMC				0	0	L70652	16941			24731	20100405	16939	20130308	16940	0	0
9926	926	99		1987	UNL	1GDE6D1AXHV500468	SD2C1	1987 GMC 6000	GMC				0	0	L70650	114952			24730	20100405	114952	0	0	20140304	114952
9927	927	99		1997	UNL	3FEKF38GXVMA65105	SD3B6	1997 FORD F350	FORD	F350			0	0	L25905	36081			27372	20110915	34209	20130306	36081	0	0
9928	928	99		2009	UNL	1FTNF21589EA07044	SD4B8	2009 FORD F250	FORD	F250			0	0	M49903	10353			24688	20100405	7819	20130305	10353	0	0
9929	929	99		2009	UNL	1FTNF21589EA07045	SD5B9	2009 FORD F250	FORD	F250			0	0	M40299	29485			30061	20130211	28606	0	0	0	0
9930	930	99		2002	UNL	1FTSF31LX2EB83432	SD6B29	2002 FORD F350	FORD	F350			0	0	K28229	42294			24696	20100405	42266	0	0	0	0
9931	931	99		1999	UNL	1FTPE242SXHC12802	SD7B30	1999 FORD E250	FORD	E250			0	0	L33332	53467			24695	20100405	53431	20130302	53467	0	0
9932	932	99		1999	UNL	1FTPE2423XHC12801	SD8B31	1999 FORD E250	FORD	E250			0	0	L33331	50172			25711	20101018	50172	20130307	50172	20140304	50172
9933	933	99		1996	UNL	1FTCR10A0TUC56413	SD9B38	1996 FORD RANGE	FORD	RANGER			0	0	L33330	58543			24712	20100405	58544	20130311	58543	20140303	58543
9934	934	99		2010	UNL	1FDRF3D67BEB42353	SD10B12	PICKUP	FORD	F350	P/U	BLUE	0	0	R12383	1934			26820	20110603	28975	20130308	1934	0	0
9935	935	99		1996	UNL	1FTCR11X9TUC56414	SD11B39	1996 FORD RANGE	FORD	RANGER			0	0	L76820	81260			24690	20100405	81241	20130308	81255	20140305	81260
9936	936	99		2007	UNL	1GCEK14V87V150178	SD12B2	2007 CHEVY 1500	CHEVY	1500			0	0	M20119	13123			24729	20100405	13123	20130304	13123	0	0
9937	937	99		2003	UNL	1FTNF21L43EA64476	SD13B7	2003 FORD F250	FORD	F250			0	0	L77100	33370			24723	20100405	33340	20130305	33370	0	0
9938	938	99		2001	UNL	1FTSF31L31EA52907	SD14B58	2001 FORD F250	FORD	F250			0	0	L25912	53272			24708	20100405	53272	20130306	53272	0	0
9939	939	99		2010	UNL	1FTNF2B53AEA18294	SD15B10	2010 FORD F250	FORD	F250			0	0	M57013	28312			31630	20131212	25827	20130306	20932	20140303	28312
9940	940	99		1990	UNL	1GCEK14H8L1261598	SD16B65	1990 CHEVY 1500	CHEVY	1500			0	0	L25913	65710			24710	20100405	164075	0	0	0	0
9941	941	99		1990	UNL	2GCEK14H0L1260901	SD17B68	1990 CHEVY 1500	CHEVY	1500			0	0	L25914	10578			24732	20100405	10573	0	0	0	0
9942	942	99		1990	UNL	1GNEV16K8LF167379	SD18T2	1990 CHEVY 4X4	CHEVY	K1500	SUBU	WHITE	0	0	L18838	247410			24703	20100405	247410	20130306	247410	0	0
9943	943	99		2002	UNL	1G1JC524927317951	SD19A3	2002 CHEVY CAVA	CHEVY	CAVALIER			0	0	K28237	119141			24722	20100405	119136	0	0	0	0
9944	944	99		2003	UNL	1FMZV73K53UB47117	SD20S1	FORD EXPLORER	FORD	EXPLORER		WHITE	0	0	M-74857	110780			31244	20130920	110778	20130306	110777	20140303	110780
9945	945	99		2006	UNL	2MEFM74W76X605969	SD21S2	2006 MERCURY GR	MERCURY	GR MARQUIS			0	0	M50484	41915			24692	20100405	26011	20130305	38677	0	0
9946	946	99		2000	UNL	JHLRD1867YC057738	SD22A4	2000 HONDA CRV	HONDA	CRV			0	0	M-64686	32683			29818	20130110	32683	20130304	32683	20140305	32683
9947	947	99		2007	UNL	1FTWF31Y67EA25951	SD23T3	2007 FORD F350	FORD	F350			0	0	M20108	32973			24845	20100422	19270	20130305	30407	0	0
9948	948	99		2001	UNL	2G1WF52E619306876	SD24T10	2001 CHEVY IMPA	CHEVY	IMPALA			0	0	K20068	79736			24693	20100405	79694	20130304	79736	20140306	79736
9949	949	99		2010	UNL	1FDWF3051AEA18295	SD25B11	2010 FORD F350	FORD	F350			0	0	M57029	4816			24687	20100405	844	20130306	3411	0	0
9950	950	99		2010	UNL	1FMEU7DE4AUA90493	SD26T1	2010 FORD EXPLO	FORD	EXPLORER			0	0	M74860	14099			30603	20130521	10220	20130306	10220	0	0
9951	951	99		2013	UNL	1GB6G5BG8C1119155	SD27111	2013 CHEVY BUS	CHEVY	BUS			0	0	R13334	27578			31823	20140115	13125	20130301	13121	20140306	27578
9952	952	99		2013	UNL	1GB6G5BG8C1118846	SD28112	2013 CHEVY BUS	CHEVY	BUS			0	0	R13335	21093			30265	20130320	22000	20130301	822	20140307	21093
9953	953	99		2012	UNL	1FTBF2B68CEA98643	SD29B13	2012 FORD PICKU	FORD	PICKUP			0	0	R13342	502			32010	20140212	502	20130304	502	20140303	502
954	954	3		2005	UNL	T4PRO52610353	HWY 54B	ASPHALT HAULER	SPAULDING	RMW		YELLO	0	0		0			31340	20131011	0	0	0	0	0
9955	955	99		2013	UNL	1GB6G5BG6C11282	SD29113	2013 CHEVY 4500	CHEVY	VAN			0	0	R24467	666686			28399	20120404	1374	20130301	1374	20140307	666686
9956	956	99		2013	UNL	1GB6G5BG2C1127784	SD29114	2013 CHEVY 4500	CHEVY	VAN			0	0	R24468	756			28400	20120404	756	20130301	756	0	0
9957	957	99		2013	UNL	1GB6G5BG9C1128124	SD29115	2013 CHEVY 4500	CHEVY	VAN			0	0	R24466	715			28401	20120404	709	20130301	709	20140306	715
9958	958	98		2010	DSL	1F9E228T7ACST2060	FD11624	2010 SEAGRAVE	SEAGRAVE				0	0	624	5827			30243	20130315	5827	20130315	5827	0	0
9959	959	98		1997	DSL	1F9F828TXVCST2014	FD12625	1997 SEAGRAVE	SEAGRAVE				0	0		42272			30244	20130315	42272	20130315	42272	20140306	42272
9960	960	98		1999	DSL	4S7AX4291XC030120	FD13626	1999 LTI FIRE T	LT1				0	0		14222			30218	20130314	14222	20130313	14222	20140309	14222
9961	961	98		1997	DSL	1FVX4LYB2VL70201	FD14627	1997 FREIGHTLIN	FREIGHTLIN				0	0		7320			30245	20130315	7320	20130315	7320	0	0
9962	962	98		1991	DSL	1HTSLNM0MH367508	FD15628	1991 INTERNATIO	INTERNATIO				0	0		10118			30219	20130314	10118	20130313	10118	0	0
9963	963	98		2006	DSL	4S7AU2F946C053543	FD16629	2006 SALSBERRY	SALSBERRY				0	0		8231			30018	20130208	8231	20130309	8231	20140309	8231
9964	964	98		2006	DSL	WDOPD644865946224	F176210	2006 DODGE	DODGE				0	0		3674			30220	20130314	3674	20130313	3674	0	0
9966	966	98		1974	UNL	14672CHA42692	F196212	1974 BRUSH TRK	INTERNAT'L				0	0		15279			30246	20130315	15279	20130315	15279	0	0
9967	967	98		1970	DSL	C13410341	F206212	1970 KAISER	KAISER				0	0		3804			30381	20130410	3804	0	0	0	0
9968	968	98		2011	UNL	1GNSK2E01BR345017	FD16230	2011 CHEVY TAHO	CHEVY	TAHOE			0	0	6230	7963			28366	20120330	7960	20130305	7959	20140308	7963
9969	969	98		2007	UNL	3GNGK26K57G278743	FD26231	2007 CHEVY SUBU	CHEVY	SUBURBAN			0	0	6231	57044			28345	20120328	57044	20130302	57044	20140306	57044
9970	970	98		2005	UNL	1GNFK16245J250785	FD36232	2005 CHEVY SUBU	CHEVY	SUBURBAN			0	0	6232	74207			28367	20120330	74207	20130304	74207	0	0
9971	971	98		2008	UNL	1FMFU16578LA84850	FD46233	2008 FORD EXPED	FORD	EXPEDITION			0	0	6233	38078			28344	20120328	37995	20130304	37995	20140308	38078
9972	972	98		2002	UNL	1GNEK13412T280464	FD56290	2002 CHEVY TAHO	CHEVY	TAHOE			0	0	6290	56020			28368	20120330	56020	20130304	56020	20140304	56020
9973	973	98		2001	UNL	1B7HF13731J521985	FD66291	2001 DODGE RAM	DODGE	RAM			0	0	6291	86612			28343	20120328	86612	20130306	86612	20140303	86612
9974	974	98		2003	UNL	1GNEK13Z23R176393	FD76293	2003 CHEVY TAHO	CHEVY	TAHOE			0	0	6293	113100			28369	20120330	113097	20130306	113097	0	0
2975	975	9		1998	UNL	1GTHG35R8W1041759	75	OFF ROAD	GMC-VAN	G3500-WTR	WTR	WHITE	0	20130805	L14997	114000			17315	20060623	119120	0	0	0	0
9976	976	98		1970	DSL	NL085R	F216212	1970 KAISER	KAISER				0	0		4802			30221	20130314	4802	20130313	4802	0	0
9977	977	98		1976	DSL	PB24068F73521	F226213	1976 SEAGRAVE	SEAGRAVE				0	0		0			31663	20131218	0	0	0	0	0
9978	978	98		1994	DSL	1F9EW28PORCST2062	F236214	1994 SEAGRAVE	SEAGRAVE				0	0		91			29991	20130206	92	20130309	91	20140309	91
9979	979	98		2003	DSL	1GB1C33193F186600	F246215	2003 CHEVY	CHEVY				0	0		100931			30019	20130208	100931	20130312	100931	0	0
9980	980	98		2001	DSL	3B6MF36641M510108	F256295	2001 DODGE	DODGE				0	0		53112			30288	20130322	53112	20130322	53112	0	0
9981	981	98		2005	DSL	1FTWW33P25EC06949	F266296	2005 FORD	FORD	F350			0	0	K62829	51632			29990	20130206	51632	20130327	51632	0	0
9982	982	98		2004	DSL	1FBS531P34HA72998	F276297	2004 FORD	FORD				0	0		59427			30020	20130211	0	20130306	59427	0	0
9983	983	30		1900	UNL	MISC 30	MISC 30	10K/NL-10K/DSL	MUNIC FUEL				0	0		0			32178	20140312	0	20130301	0	0	0
9984	984	3		1900	UNL	MISC 03	MISC 03	MISC 03	HIGHWAY				0	0	NONE	0			31141	20130828	0	0	0	0	0
9985	985	9		1900	UNL	MISC 09	MISC 09	MISC FOR DEPT 0	WATER DEPT				0	20131101	NONE	0			29947	20130131	0	0	0	0	0

KEY#	VEH	DP	CL	YEAR	FUEL	VIN NUMBER	TOWN ID	DESCRIPTION	MAKE	MODEL	TYPE	COLOR	REG EXP	INSP DT	PLATE	CY ODOM	PR ODOM	ODOM DT	RO #	RO DATE	RO MILES	10-Mar	10 ODOM	11-Mar	11 ODOM
9987	987	8		1900	UNL	MISC 08	MISC 08	MISC FOR DEPT 8	SEWER				0	0		0			32146	20140307	0	20130312	0	0	0
9988	988	79		1900	UNL	MISC 79	MISC 79	MISC 79	ENGINEERIN				0	0		1736			29292	20121022	1736	0	0	0	0
9989	989	78		1900	UNL	MISC 78	MISC 78	MISC 78	RECREATION		MISC		0	0		0			31290	20131001	0	0	0	0	0
9990	990	77		1900	UNL	MISC 77	MISC 77	MISC FOR DEPT 7	SANITATION				0	0	NONE	16858			4062	19971016	16858	0	0	0	0
9992	992	75		1900	UNL	MISC FOR DEPT 5	MISC 75	MISC FOR DEPT 7	BUILDING				0	0	NONE	43855			9145	20020412	43855	0	0	0	0
9994	994	72		1900	UNL	MISC 72	MISC 72	MISC FOR DEPT 7	SUPERVISOR				0	0		0			29475	20121108	0	0	0	0	0
9996	996	70		1900	UNL	MISC 70	MISC 70	MISC 70	MUNICIPAL		MISC		0	0	NONE	0			32057	20140307	0	0	0	0	0
9997	997	6		1900	UNL	MISC 06	MISC 06	MISC FOR DEPT 6	B & G				0	0		0			31848	20140212	0	0	0	0	0
9998	998	2		1900	UNL	MISC 02	MISC 02	MISC FOR DEPT 2	AMBULANCE				0	0		0			8381	20010926	0	0	0	0	0
9999	999	1		1900	UNL	MISC 01	MISC 01	MISC 01	POLICE				0	20131227	MISC 01	1			31737	20140103	1	20130311	1	0	0

March 10, 2013 – March 9, 2014 Stormwater Management visits to web site @ townofriverheadny.gov



2013 Equipment Inventory (Buildings and Grounds)

Item #	Item Name
29721	Pallet Jack
6XB38	John Deere 38" 14HP mower
10956	Honda Generator 1100W
1135	oil Burner
1291	Jacobson Snow Blower
20290	Honda 8HP Generator
20317	John Deere 14HP Mower
20318	John Deere 21" Mower 5HP
20322	John Deere 14 HP Mower
20358	2000W Portable Generator
20472	12" Stihl concrete saw
213466	Exmark 22HP 60" Lawnmower
21425	Stihl 18" Chainsaw
21426	Stihl 18" Chainsaw
21542	Stihl Chainsaw
21587	Dayton Generator
21682	1032D John Deere Snowblower
21683	F935 John Deere Mower
23407	Lexmark 22HP 52" Mower
2356	Utility Trailer
2357	Salt Spreader
2358	Snow Plow
23611	Backpack Blower
24549	Honda Wisper Blower
24591	John Deere Pushmower JX75
24592	John Deere Pushmower JX75
24996	30" Double Sided Hedge Trimmer
25508	20" Stihl Chainsaw
25509	Echo Chain Saw
26405	Redmax Backpack Blower
26406	Kawasaki Lawnmower
27050	Exmark 60" Mower
27059	John Deere Line Trimmer
27072	20HP Leaf Vac
27653	Post Hole Digger Machine
27657	18" Chainsaw
27660	Hedge Trimmer
28635	Backpack Blower
28638	27.2CC Rototiller
28642	12" Auger
28645	Pony Tiller
28646	Lawn Trimmer
28649	Hedge Trimmer
29051	Hustler 72" Diesel Lawnmower
29055	John Deere 21" Mower

29056	Backpack Blower
29980	6HP 27" Vacuum
30302	Snow Bandit Snow Pusher
30387	Stihl Weedwacker
30465	John Deere Push Mower
30496	Honda Snowblower
6C	Mower
6929	16HP Lawn Vacuum
6932	John Deere 660 Tiller
7935944	Honda Pressure Washer
A432908	Ford 555D Backhoe 1995
B07114	2006 F550 Superduty
C84158	2008 F550 Superduty
1HF01993	1991 CAT
12580	1989 International Dump Truck
207617	2002 4WD Pickup
210938	2000 3/4 Ton Pickup
260094	1994 Chevy Pickup
32021	Kubota L424 Tractor
326239	2005 3/4 Ton Pickup
540580	1998 GMC 2500 P/U
542660	1998 GMC 2500 P/U
95013	1991 Ford F350
52974	2008 Kubota Tractor
29336	Backpack Blower
29979	Toro Z-Master 27HP Mower
5528	Winco Generator
28640	Portable Generator
28639	Portable Generator

Self Assessment Sheets **Town of Riverhead**
Municipal Operation: 2013 **Parks Maintenance**

1. Status of Policies and Procedures			Established	Format (doc)	Latest Review	Content
a	Grounds Maintenance					
	i	integrated pest management	Y			
	ii	use of pesticide alternatives	N			
	iii	fertilizer use, alteranatives and reductions	Y			
	iv	erosion control practices	Y			
	v	solid waste: waste reduction, recycling and litter control	Y			
	vi	hazardous materials sotrage	Y			
	vii	pesticide and ferlizer usage records	Y			
b	Onsite Septic Systems					
	i	inventory of existing systems	N/A			
	ii	inspections and record keeping	N/A			
	iii	pumpouts and maintenance	N/A			

IMPLEMENTATION			2010	2011	2012	2013
i	Grounds Maintenance					
	a	% staff applying pestices whoare NYS Certified Applicators				27%
	b	Reduction in pesticided usage and/or adoption of alt. post control approaches (less toxic or persistent products, intergrated pest management				Y
	c	Reduction in fertilizer usage			Y	Y
ii	Onsite Septic Systems					
	a	Date of most recent inspection (Month/year)			N/A	N/A
	b	Date of most recent pumpout (Month/year)			N/A	N/A
	c	Documented problems in operation			N/A	N/A
iii	Parks maintenance staff training or continuing education activities related to policies, procedures, BMPs and stormwater management				Y	Y
iv	Park maintenance policies procedures, or BMP Updates or revisions				Y	Y

2. Staff		2010	2011	2012	2013
a	Number of staff (with significant roles in municipal operations of				11
b	Percent to staff receiving training in pollution prevention, good				100%
c	Percent of staff trained in existing policies and procedures				100%

3. Equipment		2010	2011	2012	2013
a	Adequacy: are upgrades or new equipment needed?				Y
b	Proper maintenance scheduels implemented?				Y

4. Coordination/Collaboration		2010	2011	2012	2013
a	Are policies consistent across municipal departments?				Y
	i pesticide use in dfferent operations				Y
	ii recycling				Y
b	Are County, Regional or State agencies consulted or involved in municipal pollution prevention and good housekeeping efforts?				Y
c	Are community groups and citizens involved either through volunteer assistance, advisory roles, or outreach and education?				N

TOWN OF RIVERHEAD

FLANDERS BAY WATERSHED

WATERSHED IMPROVEMENT STRATEGY

April 30, 2012
Engineering Department
Town of Riverhead
1295 Pulaski Street
Riverhead, NY 11901
(631) 727-3200, Ext. 201

WATERSHED IMPROVEMENT STRATEGY
TOWN OF RIVERHEAD
FLANDERS BAY WATERSHED

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WATERSHED IMPROVEMENT STRATEGY
TOWN OF RIVERHEAD
FLANDERS BAY WATERSHED

1.0 INTRODUCTION

Pursuant to Section 402 of the Clean Water Act, stormwater discharges from small municipal separate storm sewer systems (small MS4s) located in urbanized areas or additionally designated by New York State are unlawful unless they are authorized by a National Pollutant Discharge Elimination System (NPDES) permit or by a state permit program. New York's State Pollutant Discharge Elimination System (SPDES) is an NPDES-approved program with permits issued in accordance with the Environmental Conservation Law. In 2010 the New York State Department of Environmental Conservation (NYSDEC) promulgated the SPDES General Permit for Stormwater Discharges from Municipal Separate Storm Sewer Systems (MS4s), Permit No. GP-0-10-002.

Only those small MS4 operators who develop and implement a stormwater management program (SWMP) and obtain permit coverage in accordance with Part II of the SPDES general permit are authorized to discharge stormwater from their small MS4 under this SPDES general permit.

Part III. B. 2. of the permit requires covered entities to meet the reduction of the pollutant of concern (POC) as defined by the Total Maximum Daily Load (TMDL) program in Part IX of the permit. Deadlines included in Part IX. are for Retrofit Plan Submission, Watershed Improvement Strategy and load reduction of the POC associated with individual covered entities. Table IX. C. specifies a deadline of May 1, 2012 for completion of the Flanders Bay Watershed (FBW) Improvement Strategy. The north side of the FBW is located in the Town of Riverhead (the Town) (Figure 1.1). Figure 1.1 also provides an overview of the individual sewershed locations within the FBW.

In addition to the requirements of Part VII of the MS4 permit, the Town of Riverhead must develop and implement the Minimum Control Measures (MCMs) described below. These MCMs apply to storm sewersheds which are potential sources of pathogens to the FBW and are located within the Town. The sewersheds, outfalls, piping and structures are shown and labeled in Figures 1.2 through 1.4.

1.1 Stormwater Programmatic Assessment and Goals

An examination of diverse stormwater management programmatic measures in the FBW was performed by the Town. Regular inspections and maintenance are a top priority to ensure long-term function of the Town's stormwater infrastructure. Several public education focus areas and public involvement/participation programs can help improve the health of the watershed. Outreach initiatives will be tailored to target the specific issues in various neighborhoods throughout the watershed including pet and goose waste. Inter-municipal and agency coordination of these proposed restoration efforts are being developed and can reduce costs and improve effectiveness.

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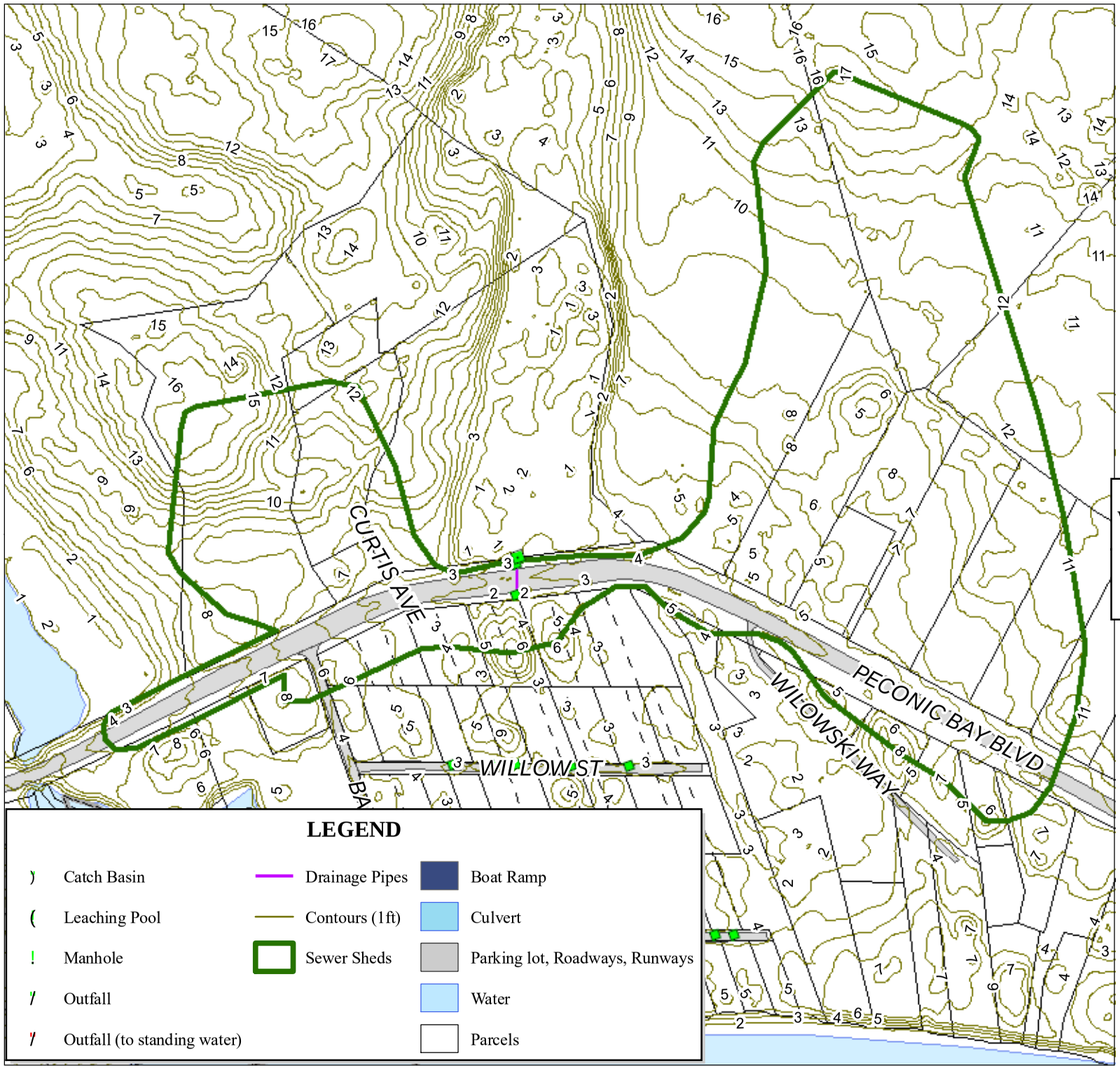

Property Lines Courtesy:
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Tax Service
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Figure No. 1.3

map of

WATERSHED IMPROVEMENT STRATEGY INDIVIDUAL SEWER SHEDS
Pathogen Impaired Watersheds
Flanders Bay Watershed

DATE: 3/1/2012

TOWN OF RIVERHEAD

200 Howell Ave.
Riverhead, NewYork 11901

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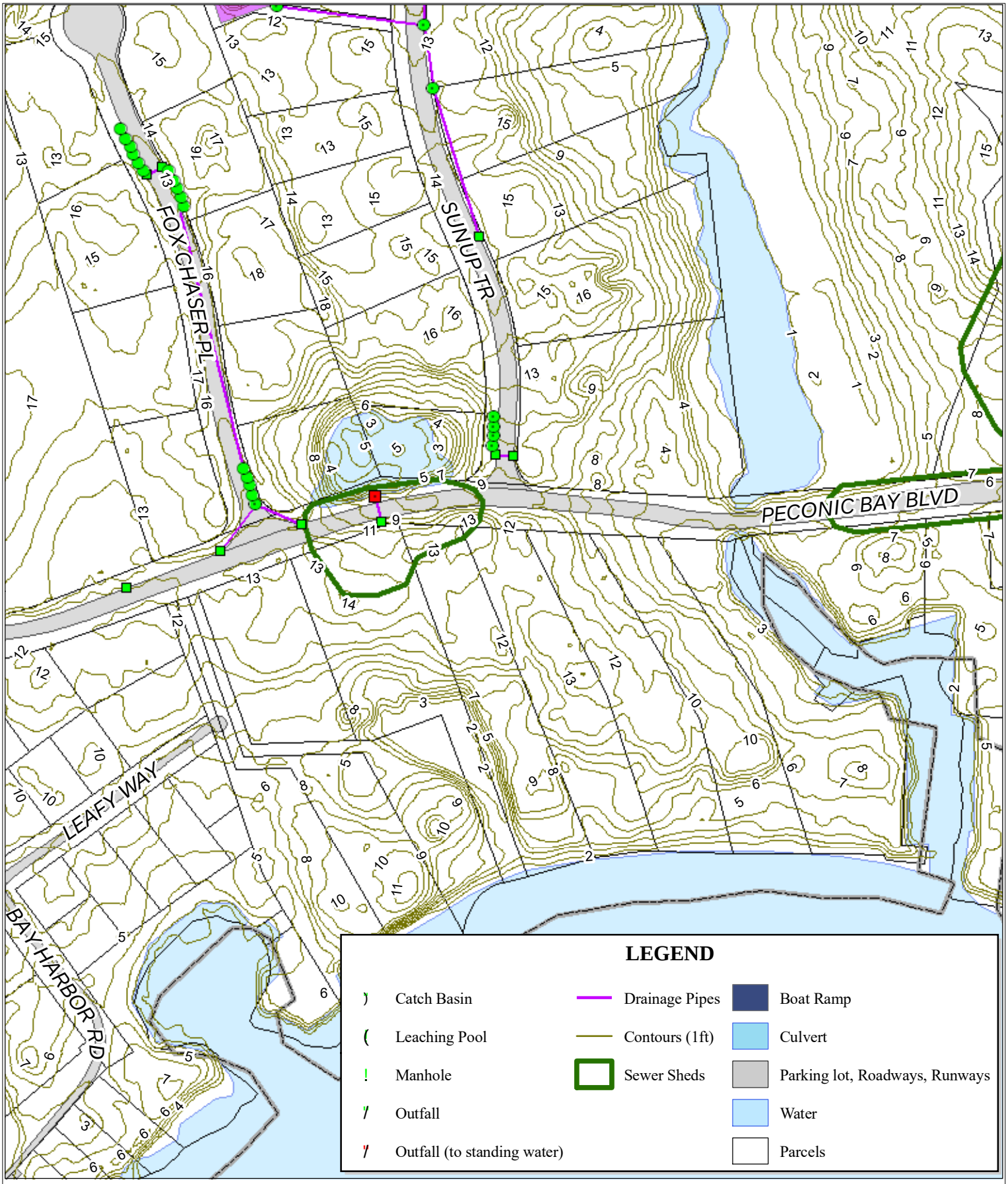

DATE: 3/1/2012

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map of

WATERSHED IMPROVEMENT STRATEGY
INDIVIDUAL SEWER SHEDS
Pathogen Impaired Watersheds
Flanders Bay Watershed

Figure No. 1.2

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Suffolk County Real Property Tax Service
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TOWN OF RIVERHEAD
200 Howell Ave.
Riverhead, NewYork 11901

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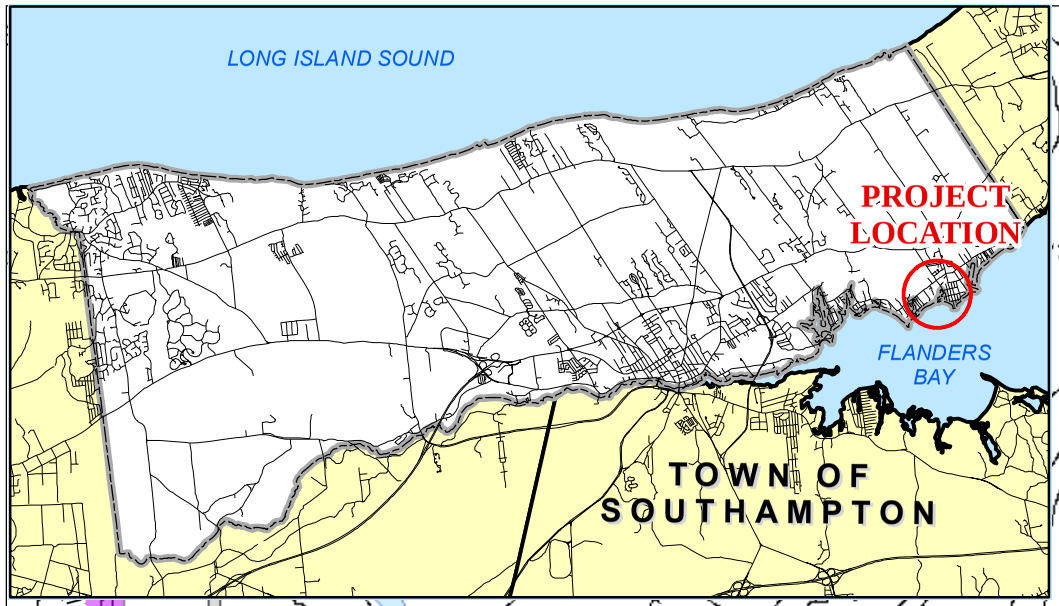

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Suffolk County Real Property
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Figure No. 1 - 1

map of

WATERSHED IMPROVEMENT STRATEGY
OVERVIEW OF SEWER SHEDS
Pathogen Impaired Watersheds
Flanders Bay Watershed

FOX CHASER RL
CURTIS AVE
BAY AVE
WILLOW ST
LOCUST ST
PECONIC BAY BLVD

FIGURE No. 1.2
FIGURE No. 1.3
FIGURE No. 1.4

DATE: 3/1/2012

TOWN OF RIVERHEAD
200 Howell Ave.
Riverhead, NewYork 11901

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OFFICE OF THE TOWN ENGINEER

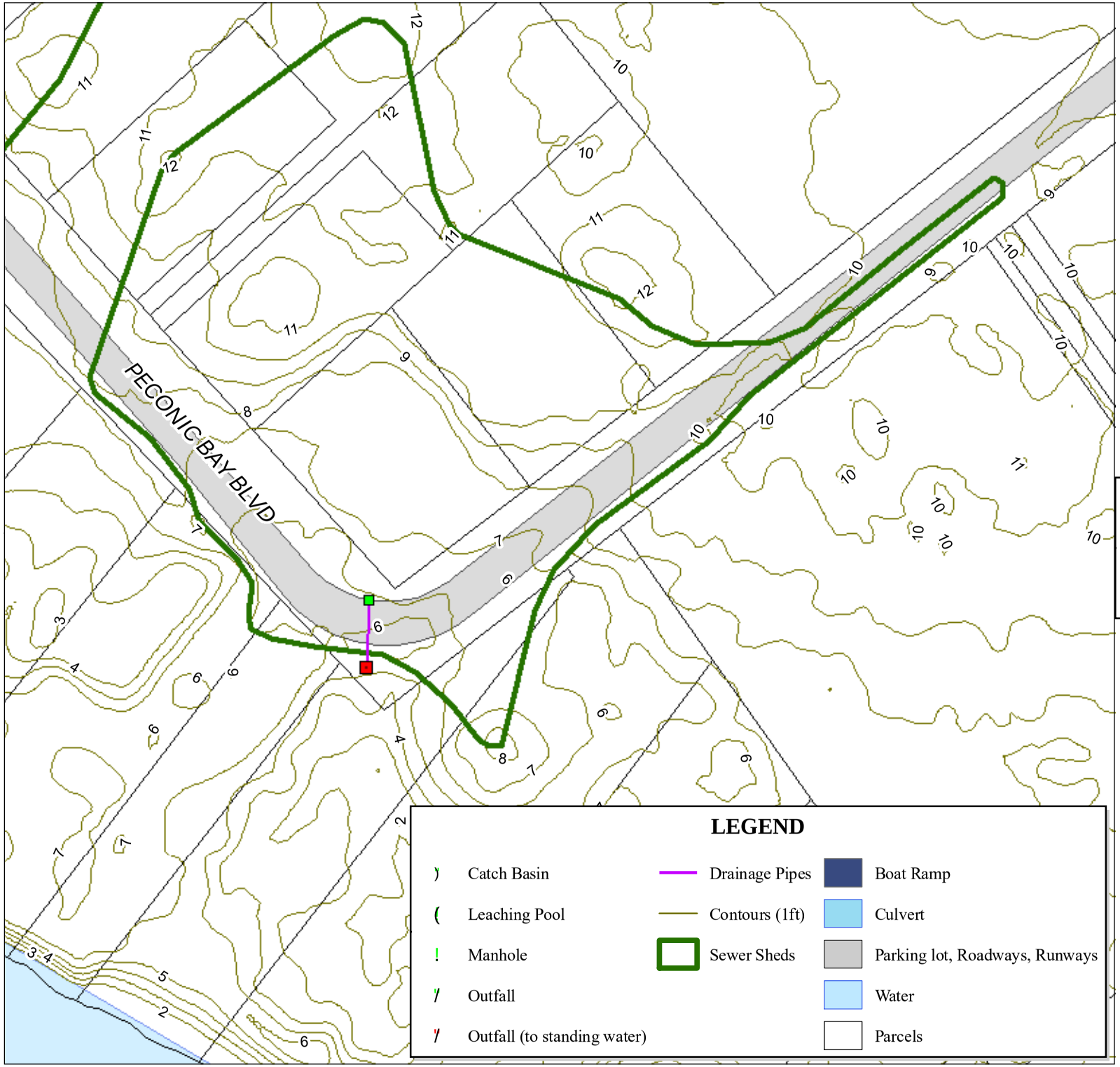

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Figure No. 1.4

map of

WATERSHED IMPROVEMENT STRATEGY INDIVIDUAL SEWER SHEDS
Pathogen Impaired Watersheds
Flanders Bay Watershed

LEGEND

- Catch Basin
- Leaching Pool
- Manhole
- Outfall
- Outfall (to standing water)
- Drainage Pipes
- Contours (1ft)
- Sewer Sheds
- Boat Ramp
- Culvert
- Parking lot, Roadways, Runways
- Water
- Parcels

DATE: 3/1/2012

TOWN OF RIVERHEAD

200 Howell Ave.
Riverhead, NewYork 11901

1.2 Stormwater Management Assessment and Goals

An assessment of stormwater management and treatment measures in the FBW was performed by the Town in order to identify problem areas and potential sites for the installation of stormwater best management practices (BMPs). The goal of these BMPs is to improve the removal of pathogens before the stormwater runoff reaches Flanders Bay (FB). The assessment is detailed in the Retrofit Plan included in Attachment A.

2.0 PUBLIC EDUCATION AND OUTREACH ON STORMWATER IMPACTS (MCM 1)

2.1 Public Education and Outreach – Planned Focus Areas

An education and outreach campaign will be used to target specific audiences to try to positively influence human behaviors in the watershed with potential ecologic impact. The program will also notify the general public to raise awareness that land use and human activity within the watershed have a direct effect on the health and quality of the coastal resources. The key public education issues in the FBW that will help address the key goals of this Watershed Improvement Strategy (WSIS) are:

- Goose population management;
- Pet waste management;
- Stormwater management; and
- Septic system maintenance.

These focus areas are described below, followed by a description of planned education and outreach programmatic techniques. These techniques are intended to be a menu of strategies that will be employed in various combinations depending on time, budget and target watershed audience.

2.1.1 Goose Population Management

There are several methods that are used in various applications to reduce the populations of geese in and around water bodies, thereby reducing pathogen loads to those areas. These include habitat modification, frightening, exclusion, discontinuation of feeding, relocation, hunting, and egg addling. Some of these methods require changes in land use practices by the property owners, and some require professional or third-party assistance.

Habitat modification refers to alterations of large expanses of open grassed areas that are often mowed to the water's edge. These areas are attractive to geese that rely on a clear line of sight and open access to the water. Modifying these open spaces to allow for a vegetated buffer along the water's edge minimizes the attractiveness to geese. A 50-foot vegetated buffer, with growth up to 3-4 feet in height has a significant impact in deterring geese. The vegetated buffer replaces the transitional open space from the open water. Creation of this buffer, however, often depends

on the will of the land owner to convert mowed area to vegetated area which generates the need for public education.

Tools for implementing public education include: mailers, television and radio advertisements, and newspaper articles and signage. Demonstration projects are another common form of public education. An example is allowing a 50-foot-wide buffer area of open mowed lawn along the waterfront to revegetate on publicly owned properties or on private properties of willing owners. Information regarding the former presence of geese, including photographs of the previous vegetation in contrast to the revegetated area, educates a wider audience about the goal of the program. Signage describing the area as a goose management buffer will be placed in public view, and followed by mailers or brochures explaining the project. Visualization of a completed project will streamline implementation by enabling expectations of project effectiveness. Other methods of goose management include live capture of the birds, egg addling, and hunting. Egg addling is a method used to control the hatching of eggs. The eggs in a nest are shaken, making them nonviable, and then replaced in the nest. These methods require permits from the United States Fish and Wildlife Service (USFWS) and may require state or local permits as well. In some cases, these methods may face local opposition; but in severe situations of uncontrolled goose populations, a local municipality may opt for these more direct methods.

2.1.2 Pet Waste Management

Pet waste can be a nuisance to the public in addition to contributing pathogens to a water body via stormwater runoff. Picking up after a dog can also be a nuisance for pet owners. However, a growing number of pet owners are realizing the aesthetic and environmental health benefits of cleaning up pet waste from public areas and their own back yards.

In many communities throughout the country “pooper-scooper” laws have been enacted which require pet owners to clean up after their pets. Pooper-scooper signs and bags installed in key locations in the sewershed, along with the stigma of adding to the degradation of the watershed by not picking up after one’s pet, can have positive long term effects on the watershed. A media campaign will be created with signage posted at public open spaces and along walking trails.

2.1.3 Stormwater Management

Homeowners and the general public in a watershed can play an important role in the stewardship of the MS4 on a daily basis. This is particularly true in subdivisions, where the stormwater management practices may be isolated from routine Highway Department programs and where small stormwater management practices may be dispersed throughout the subdivision or on individual lots.

A stormwater awareness program developed and implemented through the Town can be a very useful tool in promoting effective and sustainable stormwater management. Mailings and inserts with local billings and other municipal communications to residents can raise awareness and inspire vigilance among local residents. Residents can help to monitor swales, leaching systems, catch basins and discharge locations to ensure proper operation. Residents can report problems

to the Highway Department and thus help prevent infrastructure failure. In the fall, residents can help by clearing leaves and debris from the catch basin grates and by not throwing leaves and debris into drainage swales, onto roadways, or into other stormwater pathways.

2.1.4 Septic System Maintenance

Septic systems require regular maintenance and inspection, and require that homeowners are aware of the location and operational characteristics of the system. Most systems necessitate septic tank pumping at approximate three to seven year intervals (depending upon the input to the system and the size of the settling tank) to remove accumulated solids. There are many septic system maintenance additives available to reduce the accumulation of solids and the required frequency of pumping. However, these additives can frequently be harmful to the system, particularly when used inappropriately. Detrimental effects of using additives inappropriately include impairing the microbial community responsible for much of a system's treatment ability, reducing the effectiveness of the leaching field, and contributing chemical contaminants to the underlying groundwater. These effects are particularly important in coastal areas, e.g., the Town of Riverhead, that are characterized by sandy soils where groundwater movement to receiving waters can be very rapid. A properly designed, installed, and maintained septic system should not need chemical additives to function properly. It is important for homeowners to be cautious of what is introduced to their septic systems and of the resultant potential effects. Without proper maintenance, the system can lose significant treatment capacity and can clog, causing leachate to breach ground surface. Alternatively, the system could back up into the household. Both of these scenarios cause a public health concern as well as a threat to local water resources.

The Town will initiate a public mailing to promote septic system maintenance by reminding residents of maintenance needs. The New York Onsite Wastewater Training Network at the State University of New York at Delhi provides trainings throughout the state and is a wealth of information about septic systems, including proper siting, design and maintenance. While this program's training is geared primarily toward engineers and practitioners, the New York State Department of Health website provides information and a printable pamphlet aimed at residents that describes proper septic system operation and maintenance (O&M). This pamphlet will be updated to include references to local water resources that may be threatened or experiencing poor water quality, and highlight the need for septic system maintenance. The Rhode Island Cooperative Extension has developed a number of helpful fact sheets aimed at homeowners with information about septic system maintenance, ways to prolong the life of the system, ways to upgrade the system to provide better treatment, the effects of additives, and other useful information.

The Suffolk County Department of Health Services (SCDHS) has also produced a brochure entitled, "Home Sewage Disposal Systems in Suffolk County", which describes a septic tank and cesspool system that is typical of Suffolk County. This brochure, last updated in 2004, will be improved by the Town to provide additional information in regard to improving on-site wastewater treatment through innovative wastewater design. This would be useful for

homeowners, especially those with aging systems (25-30 years old) and in need of significant repair or replacement.

2.2 Public Education and Outreach – Planned Programs

The following menu of activities will be implemented as part of the FBW outreach and education program to address the environmental health of the coastal water resources. These activities are designed to focus on one or a combination of the areas discussed above. These activities will be implemented by the Town in conjunction with the Peconic Estuary Program, Suffolk County, homeowners' associations, local schools, or other active citizens groups.

2.2.1 Watershed Awareness Day

Organize a watershed awareness day, perhaps associated with an Earth Day program. The Town will organize a watershed awareness day to take place along the shore or at an open space within the watershed. This event could occur on Earth Day and include educational booths, games related to water quality, demonstrations of innovative technologies, sales of rain barrels and native grass seed, a swim or kayak race, a road race through the watershed, and/or an afternoon or evening clambake. A watershed awareness day will enable residents to make the visual and experiential connection between the coastal resources and the watershed.

2.2.2 Media Campaigns

Media campaigns will be developed with specific messages regarding applicable management strategies such as residential septic system maintenance, repair or replacement; shoreline vegetation management; or pet waste management. These campaigns will include fliers and brochures to be distributed at community events or mailed out with utility bills, as well as posters to be distributed and posted in municipal offices, public libraries, schools, and other highly visible areas. Articles will be developed for submittal to the local newspaper and will focus on watershed management. Television advertisements or stories on local television stations or the local cable-access stations will be devoted to homeowner activities that impact the watershed. Brochures related to pet waste clean up will be handed out with dog licenses and distributed by local veterinarians.

2.2.3 Institution of an "Adopt-a-Watershed" Organization

"Adopt-a-Watershed" organizations will clean up litter, monitor storm drain outfalls, or promote watershed stewardship. Monitoring storm drain outfalls will be implemented with simple water quality kits in conjunction with observations. This organization serves to gauge any significant changes that may be occurring in the watershed and has the potential to involve children as well.

2.2.4 Demonstration Projects

Projects that demonstrate the construction and operation of a vegetated buffer or alternative stormwater management technique will be constructed on publicly-owned land or on private lots

of willing owners. Demonstration projects allow residents to visualize construction and completion of a BMP thus facilitating expectation of the outcome. Once initiated, the planning and implementation phases of the project will be documented in photographs which will be used in mailers, brochures, posters, and a media campaign. These projects can serve as local news stories as well. Signage will be placed at the edge of the site to draw public attention and to provide direction in finding additional information.

2.2.5 School Watershed Science Programs

Science and humanities programs in local schools can help to educate youth on watershed management and the connection between land uses and water quality in the FBW.

3.0 PUBLIC INVOLVEMENT/PARTICIPATION IN WATERSHED MANAGEMENT (MCM 2)

A public involvement/participation program will notify and inform the general public within the FBW that land use and human activity have a direct effect on the health and quality of the coastal resources. The key focus area of this program is stormwater management and is described below.

3.1 Public Involvement/Participation – Planned Programs

The public involvement/participation program in the FBW involves implementation of a menu of activities to address environmental health of the coastal water resources. These activities are designed to focus on watershed management and will be implemented by the Town in conjunction with the Peconic Estuary Program, Suffolk County, homeowners' associations, local schools, or other active citizens groups. These activities will be employed in various combinations depending on time, budget and target watershed residents.

3.1.1 Demonstration Projects

Demonstration projects will include the general public in planning and implementation. Residents can also install on-site retrofits to improve stormwater management at private homes. These can include installation of rain barrels to collect water from rooftops through roof leaders. A rain barrel program will be established through the Town or local non-profit organizations, in conjunction with a rain barrel distributor, to sell rain barrels at a discounted price to community members. In addition, other on-site retrofits may include dry well installation to collect and infiltrate roof runoff and overflow from the rain barrels.

3.1.2 Watershed Clean-Up Days

Community volunteers will coordinate a watershed clean-up day to collect litter and debris throughout the watershed. These events will enable the public to observe FB and areas of the watershed with which they are unfamiliar and give them a sense of ownership and stewardship beyond a single clean-up event.

3.1.3 School Watershed Science Programs

Environmental hands-on school programs will include water quality monitoring, gardening, recycling, and composting. These programs will facilitate student involvement/participation in watershed management and stewardship.

4.0 ILLICIT DISCHARGE DETECTION AND ELIMINATION (IDDE) (MCM 3)

4.1 On-Site Sanitary System IDDE Program

The Town in cooperation with the SCDHS is in the process of identifying existing septic systems located within the FBW. Once identified, the property owner will be notified via letter, or by a mailer included with a tax bill, that verification is required of a system inspection by a professional, i.e., licensed plumber or professional engineer, within the past five years and that the system is working properly. If the system has not been inspected during the past five years, an inspection must be performed within 60 business days from the date of the letter and verification of the inspection and proper system operation forwarded to the Town.

4.2 MS4 Conveyance System Mapping

The Town has developed and currently maintains a map developed with geographic information system (GIS) software which shows the entire Town's identified MS4 conveyance system. The map for the conveyance system includes the following information:

- Identification of closed pipe or open discharge drainage conveyance system;
- The material, shape and size of pipe for closed systems;
- The lining material, shape and dimensions for channels or ditches in an open drainage system;
- Drop inlet, catch basin, and manhole locations; and
- The number and size of connections (inlets/outlets) to catch basins and manholes with the direction of flow.

5.0 POST-CONSTRUCTION STORMWATER MANAGEMENT (MCM 5)

5.1 Planned Modifications to Land Development Review Process

The land development review process will be improved to reduce potential impacts to the water quality in FB. These improvements include implementing the use of comprehensive and uniform stormwater standards for new development and redevelopment. These standards will include explicit stormwater treatment requirements to reduce pathogen and suspended solids loading to FB as well as to improve erosion control. The Planning Board will use this set of standards as a uniform reference to improve consistency in stormwater design and management throughout the Town. These standards will be incorporated as a separate policy that can be referenced by the subdivision regulations. This measure allows more flexibility to update the policy as

technologies advance and conditions change, without having to formally update the subdivision regulations.

The standards will include a pre-approved list of appropriate stormwater BMPs, along with design guidelines for proper siting, sizing, installation and O&M of the practices. As a starting point, specific sections of the New York State Stormwater Management Design Manual (NYSDEC, August 2010) (Design Manual) will be the general reference for stormwater design. This manual provides a set of stormwater practices, sizing criteria and performance criteria, and describes in detail the proper design, limitations, and effectiveness of a host of practices. Those practices that are more effective than others for pathogen removal (e.g., infiltration and constructed wetlands are more effective than swales) will be promoted or required by the Town in lieu of other practices. For example, catch basin inserts (proprietary BMPs gaining popularity in some areas due to easy and low-cost installation) have not been studied sufficiently to estimate pathogen removal, but their operating characteristics indicate that pathogens will not be reduced by significant levels. Refer to the Meetinghouse Creek Watershed Management Plan, Horsley Witten Group, July 2006 (Horsley Witten, 2006) for more details and references for these findings. BMPs with high pathogen removal capabilities that will be promoted include constructed wetlands and infiltration.

The Design Manual also provides useful landscaping and site layout techniques to reduce pathogen loading to receiving waters, which may be useful to include in the Town's list of practices and standards. The site layout techniques include buffer standards for separating development from surface waters. Buffers are effective for discouraging nuisance geese populations.

Goals:

- Adopt a short, pre-approved list of BMPs effective at pathogen removal.
- Require appropriate landscaping and site layout techniques.

5.2 Planned Maintenance of Stormwater Management Practices

The Town will develop a brief landowner's guide for maintenance of stormwater structures. This guide will focus on inspection and maintenance of on-lot stormwater practices for both residential and commercial/industrial sites. The guide will also describe measures that local landowners can implement to assist the Town in maintaining public infrastructure, such as cleaning off debris from around nearby catch basins and reporting stormwater infrastructure malfunctions and flooding problems.

5.3 Retrofit Plan

The post-construction stormwater management measures described above are also included in Attachment A to this Watershed Improvement Strategy - Retrofit Plan – along with other additional measures. The Retrofit Plan will address runoff from sites to correct or reduce pathogen loading problems. At a minimum, the Town will:

- Establish procedures to identify sites with erosion and/or pathogen loading problems;
- Establish policy and procedures for project selection. Selection criteria include the pathogen reduction potential of a proposed retrofit practice; the ability to use standard, proven technologies; and the economic feasibility of constructing the proposed practice. As part of the project selection process, Suffolk County through the Peconic Estuary Program has initiated the Peconic Estuary Intermunicipal Stormwater Management Project to assist municipalities within the Peconic Estuary to work together in meeting the NYSDEC 2010 MS4 General Permit requirements. The Town is a participant of this project; and
- Establish policy and procedures for project permitting, design, funding, construction and maintenance.

Upon NYSDEC approval of the plan, its requirements will become enforceable tenets of the Town's MS4 Permit.

6.0 POLLUTION PREVENTION/GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS (MCM 6)

6.1 Planned Maintenance of Stormwater Infrastructure

In the Town of Riverhead, ownership of stormwater infrastructure is shared by the Town and individual landowners. When a new subdivision road is constructed and accepted by the Town, the responsibility for the drainage infrastructure also passes to the Town. The drainage infrastructure that collects and treats stormwater on each individual lot is the responsibility of the landowner to inspect and maintain.

In order to function as designed over the long term, stormwater infrastructure must be maintained regularly. This is particularly important with structures designed for infiltration, such as leaching catch basins, which may receive stormwater that has not been pre-treated and therefore contains oils, greases, organic matter, and suspended solids that can clog the system. Depending on the land use, inadequate pretreatment may allow pathogens to enter groundwater and lead to both health and environmental threats. On individual properties, runoff from rooftops and driveways that is not properly infiltrated into dry wells or other onsite structures could back up into basements, cause nuisance flooding, and in some cases, lead to surface discharges and erosion rather than infiltration.

6.2 Pet Waste Prohibition

In accordance with section 48-18 of Town Code no dogs or other domestic animals shall be allowed on any public bathing beach or recreation center except guide dogs.

6.3 Goose Feeding Prohibition

In accordance with Chapter 112 of Town Code no person shall feed or provide food for any geese on Town property at any time of the year.

6.4 Pet Waste Bag Program

As described in section 2.1.2, the Town will enact additional pet waste prohibition laws which require pet owners to clean up after their pets. Signs and bags for pet waste collection and disposal will be installed in key locations in the sewershed. These key locations include public open spaces and along walking trails.

6.5 Goose Population Management

As described in section 2.1.1, habitat modification, frightening, exclusion, relocation, hunting, and egg addling are methods that will be evaluated and implemented to manage the goose population in the Town. Selection criteria include effectiveness, cost public opposition and ease of implementation.

The following goals are intended to improve the system through maintenance of stormwater practices and infrastructure in the FBW and throughout the Town of Riverhead.

6.6 Loose Leaf Pickup Program

As of 2012, the Loose Leaf Pickup program has been terminated and all residents are required to bag leaves for pickup in lieu of the Loose Leaf program. Loose leaf pickup encourages residents to pile leaves along the street edge, which can cause significant clogging of the catch basins and other drainage structures.

Goals:

- Adopt a regular municipal stormwater inspection and maintenance schedule for municipally-owned stormwater infrastructure. Regular inspections will be performed at least annually in the early spring, prior to the spring rains but after the winter snow melt. Cleanouts of leaching catch basins and other sedimentation practices are recommended to be performed annually, but at a minimum of every 2-3 years, and on an additional as-needed basis. This will help reduce clogging of infiltration measures and sediment transport through scouring and resuspension during larger spring rains. Execute a municipal street sweeping program to be carried out semi-annually but at least annually within the FBW.

- Maintain a 'working' map of all municipally-owned stormwater practices. If maintained in a GIS or other database, the database can also be used to track maintenance services, and to document when certain structures experienced problems.

- The Engineering Department will adopt O&M plans into their regular inspection and maintenance schedule.

- Develop and implement a pet waste bag program for collection and proper disposal of pet waste.

- Develop a program to manage goose populations.

ATTACHMENT A

TOWN OF RIVERHEAD

FLANDERS BAY WATERSHED

RETROFIT PLAN

March 5, 2012

Engineering Department
Town of Riverhead
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RETROFIT PLAN
TOWN OF RIVERHEAD
FLANDERS BAY WATERSHED

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TOWN OF RIVERHEAD
FLANDERS BAY WATERSHED

1.0 INTRODUCTION

Pursuant to Section 402 of the Clean Water Act, operators of small municipal separate storm sewer systems (small MS4s), located in urbanized areas and those additionally designated by New York State are unlawful unless they are authorized by a National Pollutant Discharge Elimination System (NPDES) permit or by a state permit program. New York's State Pollutant Discharge Elimination System (SPDES) is an NPDES-approved program with permits issued in accordance with the Environmental Conservation Law. In 2010 the New York State Department of Environmental Conservation (NYSDEC) promulgated the SPDES General Permit for Stormwater Discharges from Municipal Separate Storm Sewer Systems (MS4s), Permit No. GP-0-10-002.

Only those small MS4 operators who develop and implement a stormwater management program (SWMP) and obtain permit coverage in accordance with Part II of the SPDES general permit are authorized to discharge stormwater from their small MS4 under this SPDES general permit.

Part III. B. 2. of the permit requires covered entities to meet the pollutant of concern (POC) reduction as defined by the Total Maximum Daily Load (TMDL) program in Part IX of the permit. Deadlines included in Part IX. are for Retrofit Plan Submission, Watershed Improvement Strategy and load reduction of the POC associated with covered entities. Table IX. C. specifies a March 9, 2012 deadline for Retrofit Plan Submission for Pathogens in the Flanders Bay Watershed (FBW). The north side of the FBW is located in the Town of Riverhead (Figure 1.1). Figure 1.1 also provides an overview of the individual sewersheds located within the FBW.

The Retrofit Plan will address runoff from sites to correct or reduce nitrogen loading problems. At a minimum, the Town will:

- Establish procedures to identify sites with erosion and/or nitrogen loading problems;
- Establish policy and procedures for project selection. Selection criteria include the nitrogen reduction potential of a proposed retrofit practice; the ability to use standard, proven technologies; and the economic feasibility of constructing the proposed practice. As part of the project selection process, Suffolk County through the Peconic Estuary Program has initiated the Peconic Estuary Intermunicipal Stormwater Management Project to assist municipalities within the Peconic Estuary to work together in meeting the NYSDEC 2010 MS4 General Permit requirements. The Town is a participant of this project; and
- Establish policy and procedures for project permitting, design, funding, construction and maintenance.

Upon NYSDEC approval of the plan, its requirements will become enforceable tenets of the Town's MS4 Permit.

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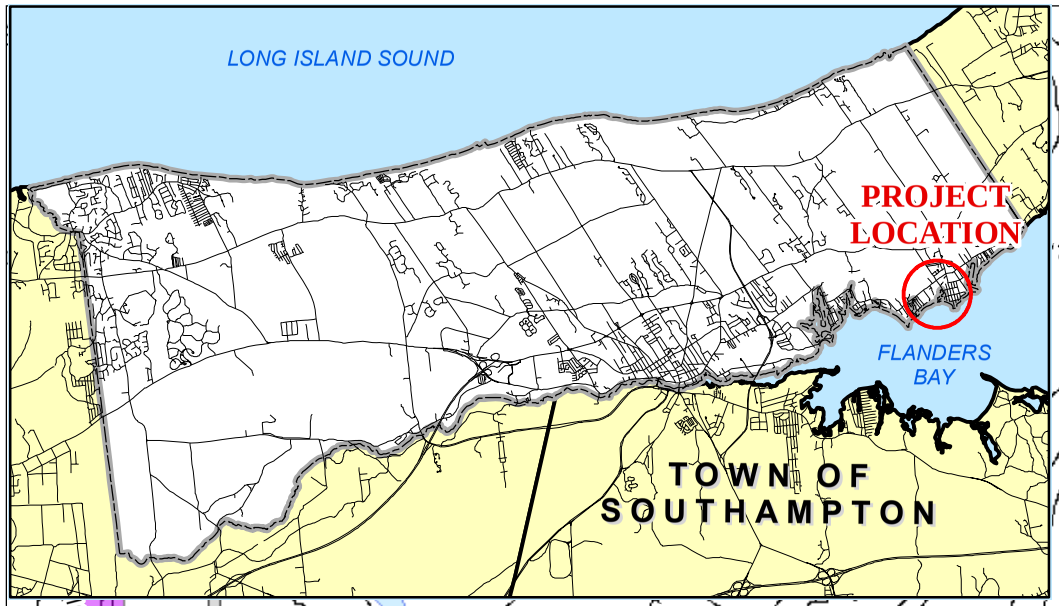

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Figure No. 1 - 1

map of

RETROFIT PLAN
OVERVIEW OF SEWER SHEDS
Pathogen Impaired Watersheds
Flanders Bay Watershed

FOX CHASER PL
CURTIS AVE
BAY AVE
WILLOW ST
LOCUST ST
PECONIC BAY BLVD

FIGURE No. 3.1
FIGURE No. 3.2
FIGURE No. 3.3

DATE: 3/1/2012

TOWN OF RIVERHEAD
200 Howell Ave.
Riverhead, NewYork 11901

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1.1 Stormwater Programmatic Assessment and Planned Restoration

An examination of diverse stormwater management programmatic measures in the FBW was performed by the Town of Riverhead (the Town). Regular inspections and maintenance are a top priority to ensure long-term function of the stormwater infrastructure. Several public education focus areas and public involvement/participation programs can help improve the health of the watershed. Outreach initiatives will be tailored to target the specific issues in various neighborhoods throughout the watershed including pet and goose waste. Inter-municipal and agency coordination of these proposed restoration efforts are currently developing and can reduce costs and improve effectiveness.

1.2 Stormwater Management Assessment and Proposed BMPs

An assessment of stormwater management and treatment measures in the FBW was performed by the Town in order to identify problem areas and potential sites for the installation of stormwater best management practices (BMPs). The goal of these BMPs is to improve the removal of pathogens before the stormwater runoff reaches Flanders Bay (FB).

2.0 STORMWATER MANAGEMENT PROGRAMMATIC OPPORTUNITIES

2.1 Planned Modifications to Land Development Review Process

The land development review process can be improved to reduce pathogen impacts to FB by implementing comprehensive and uniform stormwater standards for new development and redevelopment. These standards will include explicit stormwater treatment requirements to reduce pathogens and other toxics to FB as well as to improve erosion control. The Town Planning Board could use this set of standards as a uniform reference to improve consistency in stormwater design and management throughout the Town. These standards will be incorporated as a separate policy that can be referenced by the subdivision regulations. More flexibility will be realized to update the policy as technologies advance and conditions change, without having to formally update the subdivision regulations.

The standards could include a pre-approved list of appropriate stormwater best management practices, along with design guidelines for proper siting, sizing, installation and maintenance of the practices. As a starting point, specific sections of the New York State Stormwater Management Design Manual, August 2010 (the Design Manual) will be referenced for stormwater design procedures. This manual provides a set of stormwater practices, sizing and performance criteria, and details acceptable design, limitations, and effectiveness of a host of practices all as provided by the NYSDEC. Those practices that are more effective than others for pathogen removal (e.g., infiltration and constructed wetlands are more effective than swales) will be promoted or required by the Town in lieu of other practices. For example, catch basin inserts (proprietary BMPs gaining popularity in some areas due to easy and low-cost installation) have not been studied sufficiently to estimate pathogen removal, but their operating characteristics indicate that pathogens will not be reduced at significant levels. Refer to the Meetinghouse Creek Watershed Management Plan, Horsley Witten Group, July 2006 (Horsley

Witten, 2006) for more details and references for these findings. BMPs with high pathogen removal capabilities that will be promoted include constructed wetlands and infiltration.

The Design Manual also provides useful landscaping and site layout techniques to reduce pathogen loading to receiving waters, which may be useful to include in the Town's list of practices and standards. The site layout techniques include buffer standards for separating development from surface waters. Buffers are effective for discouraging nuisance geese populations.

Goals:

- Adopt a short, pre-approved list of BMPs effective at pathogen removal.
- Require appropriate landscaping and site layout techniques.

2.2 Planned Maintenance of Stormwater Infrastructure

In the Town of Riverhead, ownership of stormwater infrastructure is shared by the Town and individual landowners. When a new subdivision road is constructed and accepted by the Town, the responsibility for the drainage infrastructure also passes to the Town. The drainage infrastructure that collects and treats stormwater on each individual lot is the responsibility of the landowner to inspect and maintain.

In order to function as designed over the long term, stormwater infrastructure must be maintained regularly. This is particularly important with structures designed for infiltration, such as leaching catch basins, which may receive stormwater that has not been pre-treated and therefore contains oils, greases, organic matter, and suspended sediment that can clog the system. Depending on the land use, inadequate pretreatment may allow for dissolved pollutants to enter groundwater and lead to both health and environmental threats. On individual properties, runoff from rooftops and driveways that is not properly infiltrated into dry wells or other onsite structures could back up into basements, cause nuisance flooding, and in some cases, lead to surface discharges and erosion rather than infiltration.

The following goals are intended to improve the system through maintenance of stormwater practices and infrastructure in the FBW and the Town of Riverhead.

Goals:

- Adopt a regular municipal stormwater inspection and maintenance schedule for municipally-owned stormwater infrastructure. Regular inspections will be performed at least annually in the early spring, prior to the spring rains but after the winter snow melt. Cleanouts of leaching catch basins and other sedimentation practices are recommended to be performed annually, but at a minimum of every 2-3 years, and on an additional as-needed basis. This will help reduce clogging of infiltration measures and sediment transport through scouring and resuspension during larger spring rains. Execute a municipal street sweeping program to be carried out semi-annually but at least annually within the FBW.

- Maintain a 'working' map of all municipally-owned stormwater practices. If maintained in a geographic information system (GIS) or other database, the database can also be used to track maintenance services, and to document when certain structures experienced problems.

- Implement a formal Engineering Department review and approval process of all stormwater management designs for subdivisions and site plan review projects against a set of clearly defined design standards. This will provide consistency among designs, bring designs up to a minimum state-of-the-art standard, and provide applicants with design guidance. The Engineering Department also will formally review and approve all operation and maintenance (O&M) plans for subdivisions that are planned for acceptance by the Town, and then adopt those plans into their regular inspection and maintenance schedule.

- Develop a brief landowner's guide for maintenance of stormwater structures. This guide will focus on inspection and maintenance of on-lot stormwater practices for both residential and commercial/industrial sites. It will also describe things that local landowners can do to assist the Town in maintaining public infrastructure, such as cleaning off debris from around nearby catch basins and reporting stormwater infrastructure malfunctions and flooding problems.
- Terminate the Loose Leaf Pickup program and require all residents to bag leaves for pickup instead. Loose leaf pickup encourages residents to pile leaves along the street edge, which can cause significant clogging of the catch basins and other drainage structures.

2.3 Public Education and Outreach – Planned Focus Areas

An education and outreach campaign will be used to target specific audiences to try to positively influence human behaviors in the watershed with potential ecologic impact. At the same time, the program will reach out to a broad audience to raise awareness that land use and human activity within the watershed have a direct effect on the health and quality of the coastal resources. The key public education issues in the FBW that will help address the key goals of this Retrofit Plan are:

- Goose management;
- Pet waste management;
- Stormwater management; and
- Septic system maintenance.

These focus areas are described below, followed by a description of planned education and outreach programmatic techniques. These techniques are intended to be a menu of strategies that will be employed in various combinations depending on time, budget and target watershed audience.

2.3.1 Goose Management

There are a handful of methods that are used in various situations to reduce the populations of geese in and around waterbodies, thereby reducing pathogen loads to that area. These include

habitat modification, frightening, exclusion, discontinuation of feeding, relocation, hunting, and egg addling. Some of these methods require changes in practices by the landowners in the area, and some require professional or third-party assistance. For example, habitat modification refers to the modification of large expanses of open grassed areas that are often mowed directly to the water's edge. These areas are attractive to geese that like to have a clear sight line and open access to the water. Modifying these open spaces to allow for a vegetated buffer along the water edge makes the area much less attractive to these geese. A 50-foot vegetated buffer, with vegetation growth up to 3-4 feet high, makes a large impact in deterring geese by breaking up the open lawn space from the open water. Creation of this buffer, however, often depends on the will of the land owner to convert mowed area to vegetated area. This is where public education comes into play.

Public education implementation tools include: mailers, television and radio advertisements, and newspaper articles and signage. One common public education method is the implementation of a demonstration project. If there are publicly owned properties along the waterfront, or areas owned by a willing owner, a buffer area of open mowed lawn will be allowed to revegetate, forming at least a 50-foot wide buffer along the water's edge. Photographs and information about the former presence of geese and depicting the look of the former vegetation versus the revegetated area relays important information to a wider audience about both the goal of the program as well as something that they can visualize. Signage describing the area as a goose management buffer will be placed in public view, and then an explanation of the site will be presented in mailers or brochures for others to see. Often it is easier for people to implement something once they know what it will look like. They can then have reasonable expectations about whether it will be effective. Other methods of goose management include live capture of the birds, egg addling, and hunting. Egg addling is a method used to control the hatching of eggs. The eggs in a nest are shaken, making them nonviable, and then replaced in the nest. These methods require permits from the United States Fish and Wildlife Service (USFWS) and may require state or local permits as well. In some cases, these methods may face local opposition; but in severe situations of uncontrolled geese populations, a local municipality may opt for these more direct methods.

2.3.2 Pet Waste Management

Pet waste can be a nuisance to the public in addition to contributing pathogens to a water body when it is washed from the ground surface by rainfall and stormwater runoff. For those people that have pets, picking up after a dog can also be a nuisance. However, more and more people are realizing the aesthetic and environmental health benefits of cleaning up pet waste from public areas and their own back yards. In many communities throughout the country there are now "pooper-scooper" laws requiring people to clean up after their pets. While the idea of picking up after your dog may seem absurd at first, a few pooper-scooper signs, some pooper scooper bags, and the risk of being seen not picking up after your dog can go a long way. A media campaign will be created with a sense of humor to get the message across. In addition, signage at public open spaces and along walking trails can bolster the message.

2.3.3 Stormwater Management

Homeowners and the general public in a watershed can play an important role in the stewardship of the MS4 on a daily basis. This is particularly true in subdivisions, where the stormwater management practices may be isolated from routine Highway Department programs and where small stormwater management practices may be dispersed throughout the subdivision or on individual lots.

A stormwater awareness program developed and implemented through the Town can be a very useful tool in promoting effective and sustainable stormwater management. Mailings and inserts with local billings and other municipal communications to residents can raise awareness and inspire vigilance among local residents. Residents can help to monitor swales, leaching systems, catch basins and discharge locations to ensure proper operation. Residents can report problems to the Highway Department and thus help prevent infrastructure failure. In the fall, residents can help by clearing leaves and debris from the catch basin grates and by not throwing leaves and debris into drainage swales, onto roadways, or into other stormwater pathways.

2.3.4 Septic System Maintenance

Septic systems require regular maintenance and inspection, and require that homeowners are aware of the location and operational characteristics of the system. Most systems necessitate septic tank pumping at approximate three to seven year intervals (depending upon the input to the system and the size of the settling tank) to remove accumulated solids. There are many septic system maintenance additives available to reduce the accumulation of solids and the required frequency of pumping. However, these additives can frequently be harmful to the system, particularly when used inappropriately, by impairing the microbial community responsible for much of a system's treatment ability, by reducing the effectiveness of the leach field, and by contributing chemical contaminants to the underlying groundwater. This is particularly important in coastal areas, e.g., the Town of Riverhead, characterized by sandy soils where groundwater movement to receiving waters can be very rapid. A properly designed, installed, and maintained septic system should not need chemical additives to function properly. It is important for homeowners to be cautious of what is introduced to their septic systems and of the resultant potential effects. Without proper maintenance, the system can lose significant treatment capacity and can clog, causing leachate to breach ground surface. Alternatively, the system could back up into the household. Both of these scenarios cause a public health concern as well as a threat to local water resources.

The Town will initiate a public mailing to promote septic system maintenance by reminding residents of maintenance needs. The New York Onsite Wastewater Training Network at the State University of New York at Delhi provides trainings throughout the state and is a wealth of information about septic systems, including proper siting, design and maintenance. While this program's training is geared primarily toward engineers and practitioners, the New York State Department of Health website provides information and a printable pamphlet aimed at residents that describes proper septic system O&M. This pamphlet will be updated to include references

to local water resources that may be threatened or experiencing poor water quality, and highlight the need for septic system maintenance. The Rhode Island Cooperative Extension has developed a number of helpful fact sheets aimed at homeowners with information about septic system maintenance, ways to prolong the life of the system, ways to upgrade the system to provide better treatment, the effects of additives, and other useful information.

The Suffolk County Department of Health Services has also produced a brochure entitled, "Home Sewage Disposal Systems in Suffolk County", which describes a septic tank and cesspool system that is typical of Suffolk County. This brochure, last updated in 2004, will be improved by the Town to provide additional information in regard to improving on-site wastewater treatment through innovative wastewater design. This would be useful for homeowners, especially those with aging systems (25-30 years old) and in need of significant repair or replacement.

2.4 Public Education and Outreach – Planned Programs

The following provides a menu of activities that will be implemented as part of a watershed-wide outreach and education program to address the environmental health of the coastal water resources of the FBW. These activities are designed to focus on one or a combination of the areas discussed above. These activities could be implemented by each municipality, in conjunction with the Peconic Estuary Program, Suffolk County, homeowners' associations, local schools, or other active citizens groups.

2.4.1 Watershed Awareness Day

Organize a watershed awareness day, perhaps associated with an Earth Day program. The Town will organize a watershed awareness day to take place along the shore or at an open space within the watershed. This could include educational booths, games related to water quality, demonstrations of innovative technologies, sales of rain barrels and native grass seed, a swim or kayak race, a road race through the watershed, and/or an afternoon or evening clambake. This will enable the residents in the watershed to make the visual and experiential connection between the coastal resources and the watershed.

2.4.2 Media Campaigns

A host of media campaigns will be developed with specific messages regarding applicable management strategies such as residential septic system maintenance, repair or replacement; shoreline vegetation management; or pet waste management. These campaigns will include fliers and brochures to be distributed at community events or mailed out with utility bills, as well as posters to be distributed and posted in municipal offices, public libraries, schools, and other highly visible areas. Articles, or a series of articles, will be developed for the local newspaper and will focus on watershed management. Television advertisements or stories on local television stations or the local cable-access stations will be devoted to homeowner activities that impact the watershed. Brochures related to pet waste clean up will be handed out with dog

licenses and distributed by local veterinarians. These efforts will be tied to the public outreach and education requirements of the MS4 permit.

2.4.3 Demonstration Projects

Projects that demonstrate the construction and operation of a vegetated buffer or alternative stormwater management techniques will be constructed on publicly-owned land or on private lots of willing owners. Demonstration projects allow residents to visualize construction and completion of a BMP thus facilitating expectation of the outcome. Once initiated, the planning and implementation phases of the project will be documented in photographs which will be used in mailers, brochures, posters, and a media campaign. These projects can serve as a local news story as well. Signage will be placed at the edge of the site to draw public attention and to provide direction in finding additional information.

2.4.4 School Watershed Science Programs

Science and humanities programs in local schools will help to educate youth on watershed management, and the connection between land uses and water quality in the FBW.

2.5 Public Involvement/Participation in Watershed Management

A public involvement/participation program will reach out to a broad audience to raise awareness that land use and human activity within the watershed have a direct effect on the health and quality of the coastal resources. The key focus area of this program, stormwater management, is described below, followed by a discussion of planned programming techniques. These techniques are intended to be a menu of strategies that will be employed in various combinations depending on time, budget and target watershed audience.

2.6 Public Involvement/Participation – Planned Programs

The following provides a menu of activities that will be implemented as part of a watershed-wide public involvement/participation program to address the environmental health of the coastal water resources of the FBW. These activities are designed to focus on watershed management and will be implemented by the Town in conjunction with the Peconic Estuary Program, Suffolk County, homeowners' associations, local schools, or other active citizens groups.

2.6.1 Institution of an "Adopt-a-Watershed" Organization

Such an organization will be tasked with cleaning up litter, monitoring storm drain outfalls, or promoting watershed stewardship. Monitoring storm drain outfalls will be implemented with simple water quality kits in conjunction with observations. This activity serves as a means to gauge any significant changes that may be occurring in the watershed. Ideally, this activity has the potential to involve children as well.

2.6.2 Demonstration Projects

Projects that demonstrate the construction and operation of a vegetated buffer or alternative stormwater management techniques will be constructed on publicly-owned land or on private lots of willing owners. Demonstration projects allow residents to visualize construction and completion of a BMP thus facilitating expectation of the outcome. Demonstration projects will also include the general public in planning and implementation.

Residents can also install on-site retrofits to improve the stormwater management at private homes. These can include installation of rain barrels to collect water from rooftops through roof leaders. A rain barrel program will be established through the Town or local non-profit organizations, in conjunction with a rain barrel distributor, to sell rain barrels at a discounted price to community members. In addition, other on-site retrofits may include dry well installation to collect and infiltrate roof runoff and overflow from the rain barrels.

2.6.3 Watershed Clean-up Days

Community volunteers will coordinate a watershed clean-up day to pick up litter and debris throughout the watershed. These events will enable the public to observe FB and areas of the watershed with which they are unfamiliar and give them a sense of ownership and stewardship beyond a single clean-up event.

2.6.4 School Watershed Science Programs

Environmental hands-on school programs will include water quality monitoring, gardening, recycling, and composting. These programs will facilitate student involvement/ participation in watershed management and stewardship.

2.7 Summary of Programmatic Restoration Efforts

While this section introduced several programmatic opportunities, regular inspections and maintenance of the stormwater infrastructure will be the top priority. Without a long term inspection/maintenance program in place, any new or existing stormwater BMPs implemented in the watershed will eventually lose effectiveness over time. A BMP is only as effective as its O&M plan. Next, the review process for new development and redevelopment will be amended to require developers to utilize specific BMPs and alternative site design techniques from project inception, reducing potential water quality impacts. Finally, the various public education focus areas and public involvement/participation programs presented above can effectively improve the health of the watershed. No one outreach campaign or participative program will be effective for all neighborhoods. Campaigns and public involvement will be tailored to target the specific issues in various neighborhoods throughout the watershed based on demographics, density, age of the community, etc.

Programmatic costs can pose a problem for some communities. These costs may be reduced and program effectiveness improved by pooling resources with other municipalities and agencies.

Such coordination will be useful for purchasing shared maintenance equipment such as street sweepers and implementing area-wide educational campaigns. To this end Suffolk County through the Peconic Estuary Program has initiated the Peconic Estuary Intermunicipal Stormwater Management Project to assist municipalities within the Peconic Estuary to work together in meeting the NYSDEC 2010 MS4 General Permit requirements. The County project involves the preparation of an intermunicipal agreement, Needs Assessment, Action Plan and Implementation Work Plan to facilitate joint efforts in meeting the MS4 General Permit requirements. The Town is a participant of this project.

3.0 STORMWATER MANAGEMENT ASSESSMENT

This stormwater management assessment addresses stormwater runoff as a source of pathogen loading in the FBW by identifying any problem areas, and potential areas for the installation of stormwater BMPs to reduce the pathogen loading to FB. The results of this assessment are then used to pinpoint and evaluate site specific stormwater management practices in key locations throughout the watershed. By pointing to and prioritizing the most cost-effective retrofit opportunities, a reasonable set of specific management options are available to help achieve the goals stated in the MS4 permit for the FBW. Successful implementation of selected opportunities is expected to help reduce stormwater runoff pollution, improve overall water quality conditions, and maintain or improve critical habitat areas.

The existing stormwater management program in the FBW mainly consists of infiltrating catch basins and storm drains along roadways, as well as recharge basins in subdivisions. Based on this watershed assessment, proposed stormwater BMPs were chosen to retrofit the existing drainage system to better manage and treat stormwater before it reaches FB.

3.1 Assessment Methodology

Inventories were conducted during 2010 and 2011 of all outfalls connected to the Town of Riverhead's MS4. Outfalls and associated structures and piping were identified, mapped and input to GIS in conjunction with the inventory. Sewersheds (discrete drainage areas) were then configured with respect to each outfall. The sewersheds, outfalls, piping and structures are shown and labeled in Figures 3.1 through 3.3.

Focused field reconnaissance was also conducted during 2010-2011 in the Town which included the FBW. The sewersheds for the FBW outfalls were updated after completion of this reconnaissance. The results of the reconnaissance efforts were used to investigate areas of potential maximum pathogen loading in the FBW. An opportunity to pre-select sites for the installation of BMPs was subsequently provided based on outfall locations and areas that are open space, publicly owned, and/or untouched.

3.2 Potential Sites and Best Management Practices Selection

The Town reviewed the results of the focused field reconnaissance with the goal of improving the overall water quality of the stormwater discharging to the FBW. Potential locations for the

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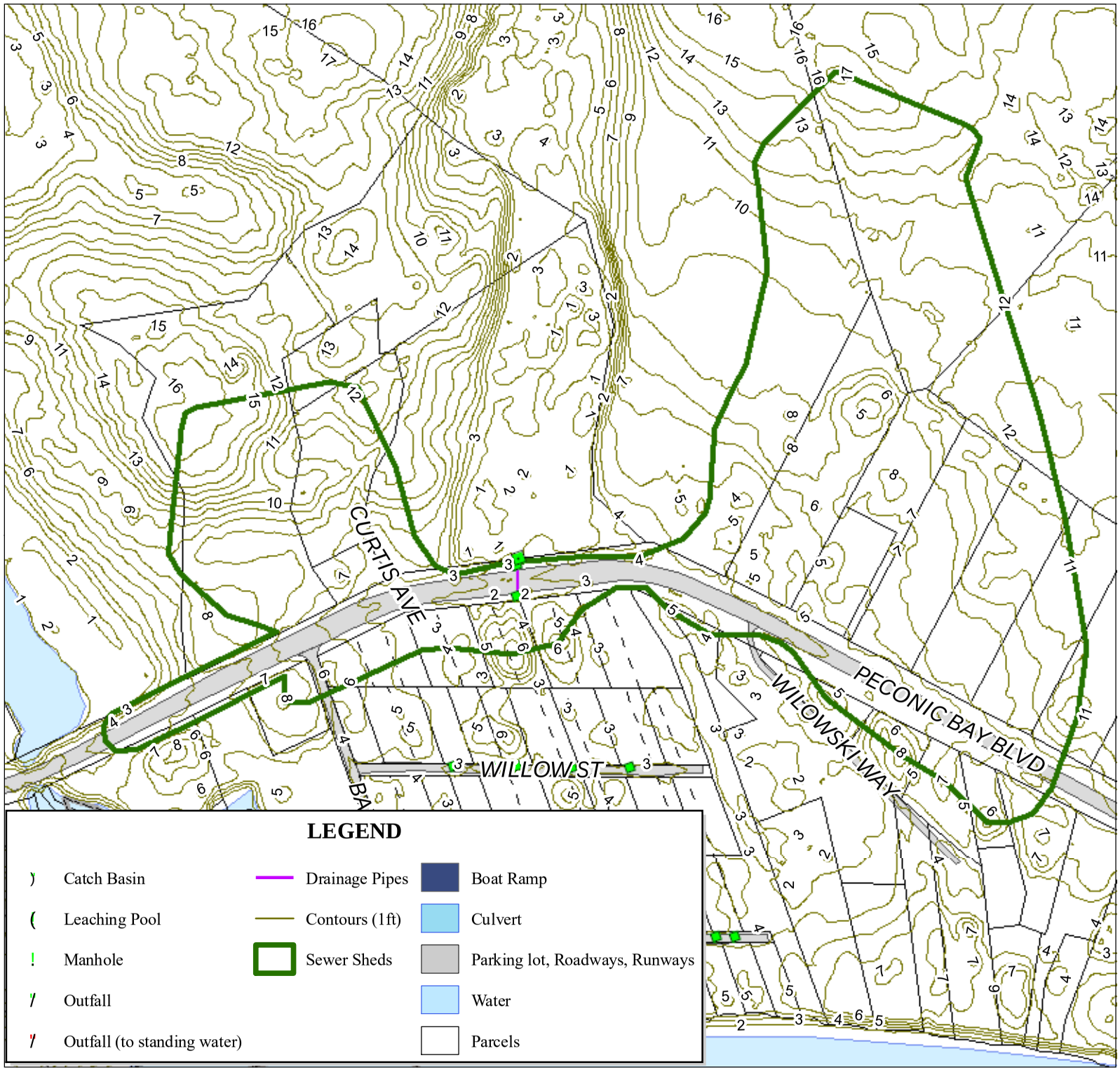

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Figure No. 3.2

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RETROFIT PLAN
INDIVIDUAL SEWER SHEDS
Pathogen Impaired Watersheds
Flanders Bay Watershed

DATE: 3/1/2012

TOWN OF RIVERHEAD

200 Howell Ave.
Riverhead, NewYork 11901

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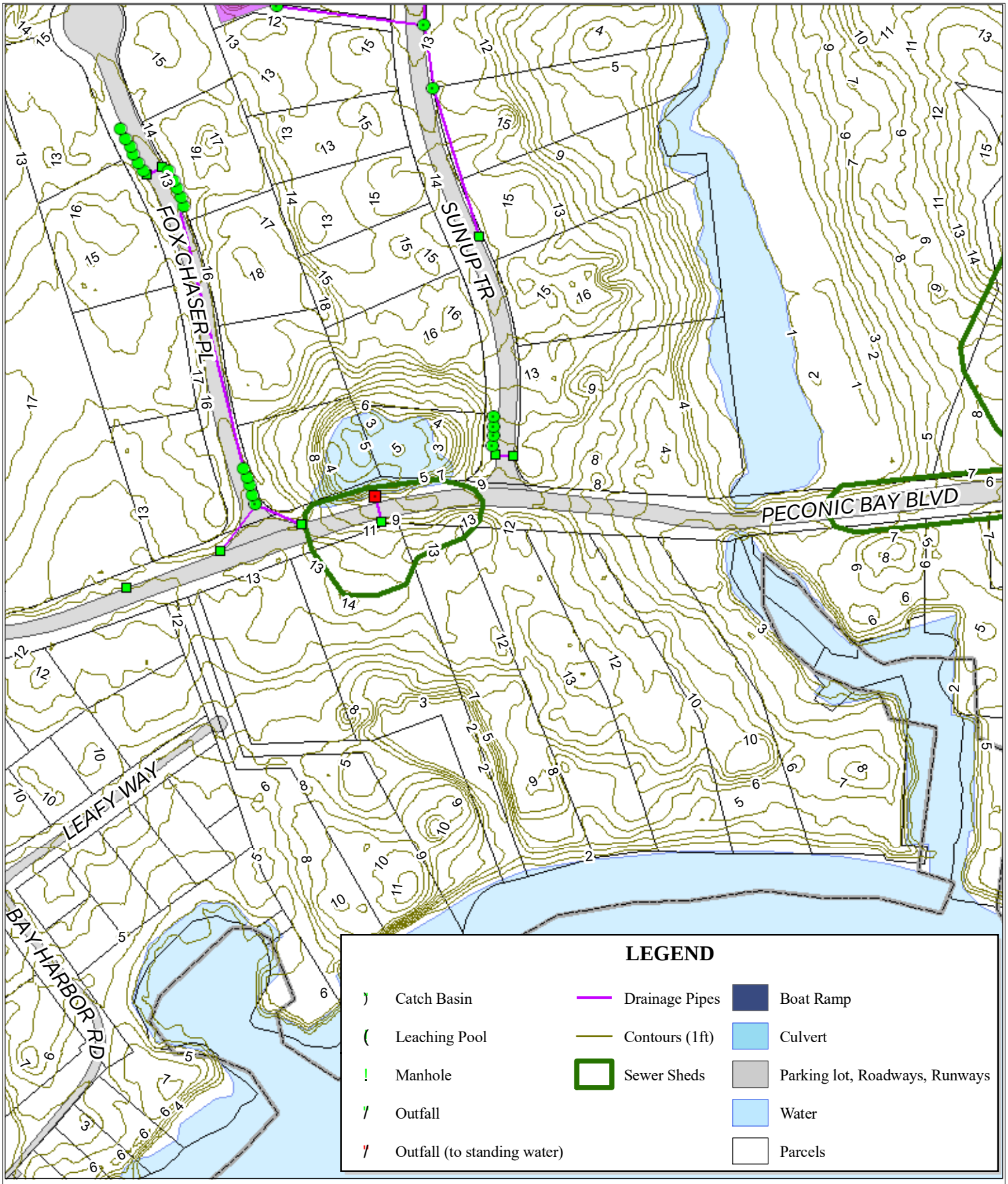

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RETROFIT PLAN
INDIVIDUAL SEWER SHEDS
Pathogen Impaired Watersheds
Flanders Bay Watershed

Figure No. 3.1

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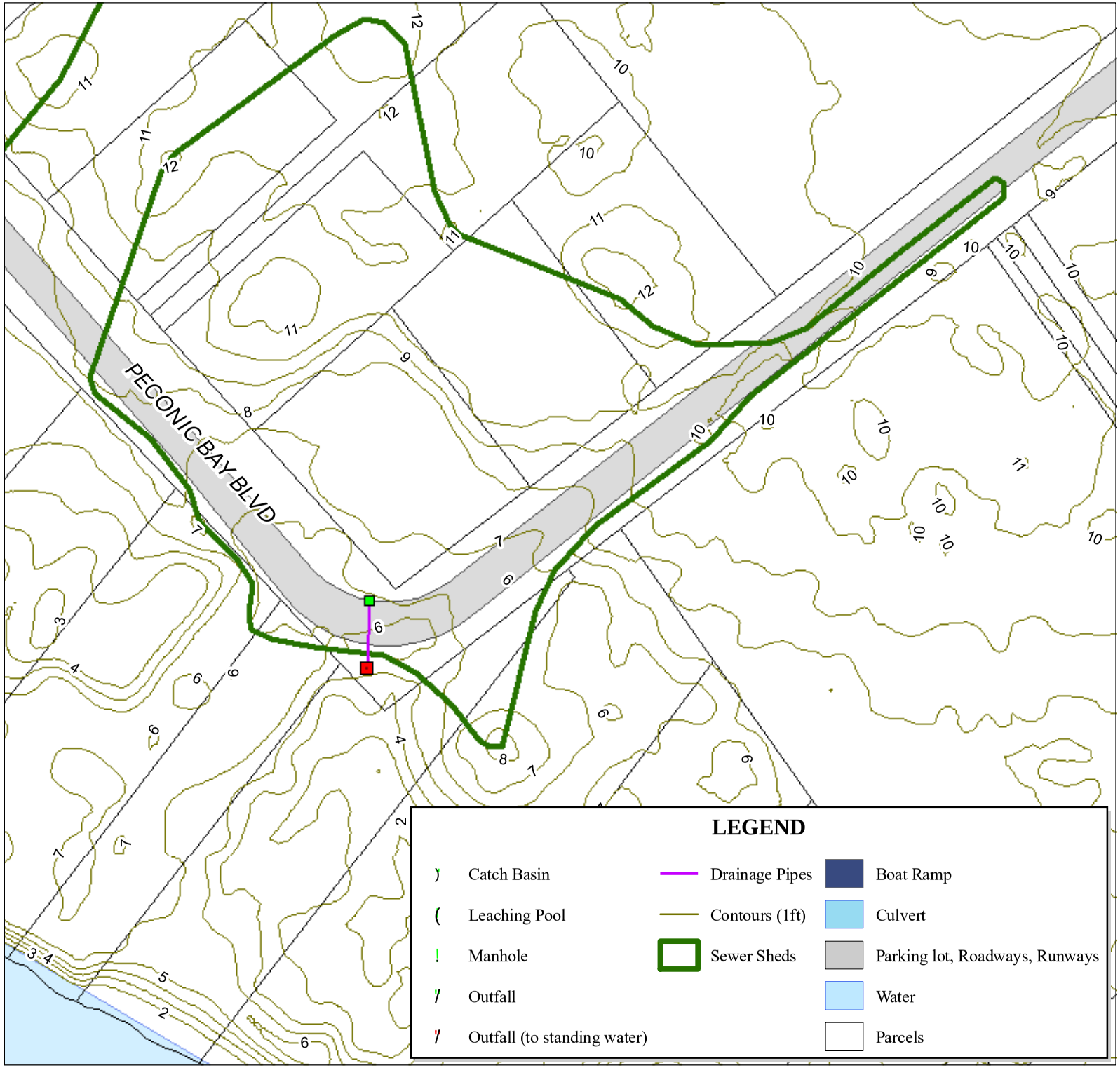

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Figure No. 3.3

map of

RETROFIT PLAN
INDIVIDUAL SEWER SHEDS
Pathogen Impaired Watersheds
Flanders Bay Watershed

DATE: 3/1/2012

TOWN OF RIVERHEAD

200 Howell Ave.
Riverhead, NewYork 11901

installation of stormwater BMPs were based on land use, parcel ownership (publicly-owned land was targeted as a priority), outfall locations, potential conflicts with existing utilities, effective stormwater capture area, and pollutant source locations.

All of the identified sewersheds included residential neighborhoods. The primary source of pathogens in these neighborhoods is from pets and, to a lesser degree, from geese. Sources of highly concentrated pathogens were not apparent in the areas investigated and as a result BMPs were not selected for installation in the FBW. This decision was further supported by the existence of only one outfall which discharges to a surface water connected directly to FB. This outfall drains two acres of residential and open space area. Because this sewershed is not a potential source of high pathogen concentrations, consideration for installation of a BMP in this area was not pursued. All other sewersheds in the FBW discharge to FB by overland flow or structural overflow, i.e., catch basins, leaching catch basins, recharge basins and depressed areas which accept storm sewer discharges.

4.0 CONCLUSION

Stormwater management and stormwater programmatic assessment were completed for the Flanders Bay Watershed. The results of these assessments as described above found that a proposed retrofit program to address runoff for correcting or reducing pathogen loading problems would be less effective than a programmatic approach. Consequently, the Town proposes the reduction of pathogen loading to the FBW by public education and outreach, public involvement/participation and pollution prevention/good housekeeping.

TOWN OF RIVERHEAD

PECONIC BAY WATERSHED

WATERSHED IMPROVEMENT STRATEGY

April 30, 2012

Engineering Department
Town of Riverhead
1295 Pulaski Street
Riverhead, NY 11901
(631) 727-3200, Ext. 201

WATERSHED IMPROVEMENT STRATEGY
TOWN OF RIVERHEAD
PECONIC BAY WATERSHED

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WATERSHED IMPROVEMENT STRATEGY
TOWN OF RIVERHEAD
PECONIC BAY WATERSHED

1.0 INTRODUCTION

Pursuant to Section 402 of the Clean Water Act, stormwater discharges from small municipal separate storm sewer systems (small MS4s) located in urbanized areas or additionally designated by New York State are unlawful unless they are authorized by a National Pollutant Discharge Elimination System (NPDES) permit or by a state permit program. New York's State Pollutant Discharge Elimination System (SPDES) is an NPDES-approved program with permits issued in accordance with the Environmental Conservation Law. In 2010 the New York State Department of Environmental Conservation (NYSDEC) promulgated the SPDES General Permit for Stormwater Discharges from Municipal Separate Storm Sewer Systems (MS4s), Permit No. GP-0-10-002.

Only those small MS4 operators who develop and implement a stormwater management program (SWMP) and obtain permit coverage in accordance with Part II of the SPDES general permit are authorized to discharge stormwater from their small MS4 under this SPDES general permit.

Part III. B. 2. of the permit requires covered entities to meet the reduction of the pollutant of concern (POC) as defined by the Total Maximum Daily Load (TMDL) program in Part IX of the permit. Deadlines included in Part IX. are for Retrofit Plan Submission, Watershed Improvement Strategy and load reduction of the POC associated with individual covered entities. Table IX. D. specifies a deadline of May 1, 2011 for completion of the Peconic Bay Watershed (PBW) Improvement Strategy. The north side of the PBW is located in the Town of Riverhead (the Town) (Figure 1-1).

In addition to the requirements of Part VII of the MS4 permit, the Town of Riverhead must develop and implement the Minimum Control Measures (MCMs) described below. These MCMs apply to storm sewersheds which are potential sources of nitrogen to the PBW and are located within the Town. The sewersheds, outfalls, piping and structures are shown and labeled in Figure 1-1.

1.1 Stormwater Programmatic Assessment and Goals

An examination of diverse stormwater management programmatic measures in the PBW was performed by the Town. Regular inspections and maintenance are a top priority to ensure long-term function of the Town's stormwater infrastructure. Several public education focus areas and public involvement/participation programs can help improve the health of the watershed. Outreach initiatives will be tailored to target the specific issues in various neighborhoods throughout the watershed. Inter-municipal and agency coordination of these proposed restoration efforts are being developed and can reduce costs and improve effectiveness.

1.2 Stormwater Management Assessment and Goals

An assessment of stormwater management and treatment measures in the PBW was performed by the Town in order to identify problem areas and potential sites for the installation of stormwater best management practices (BMPs). The goal of these BMPs is to improve the

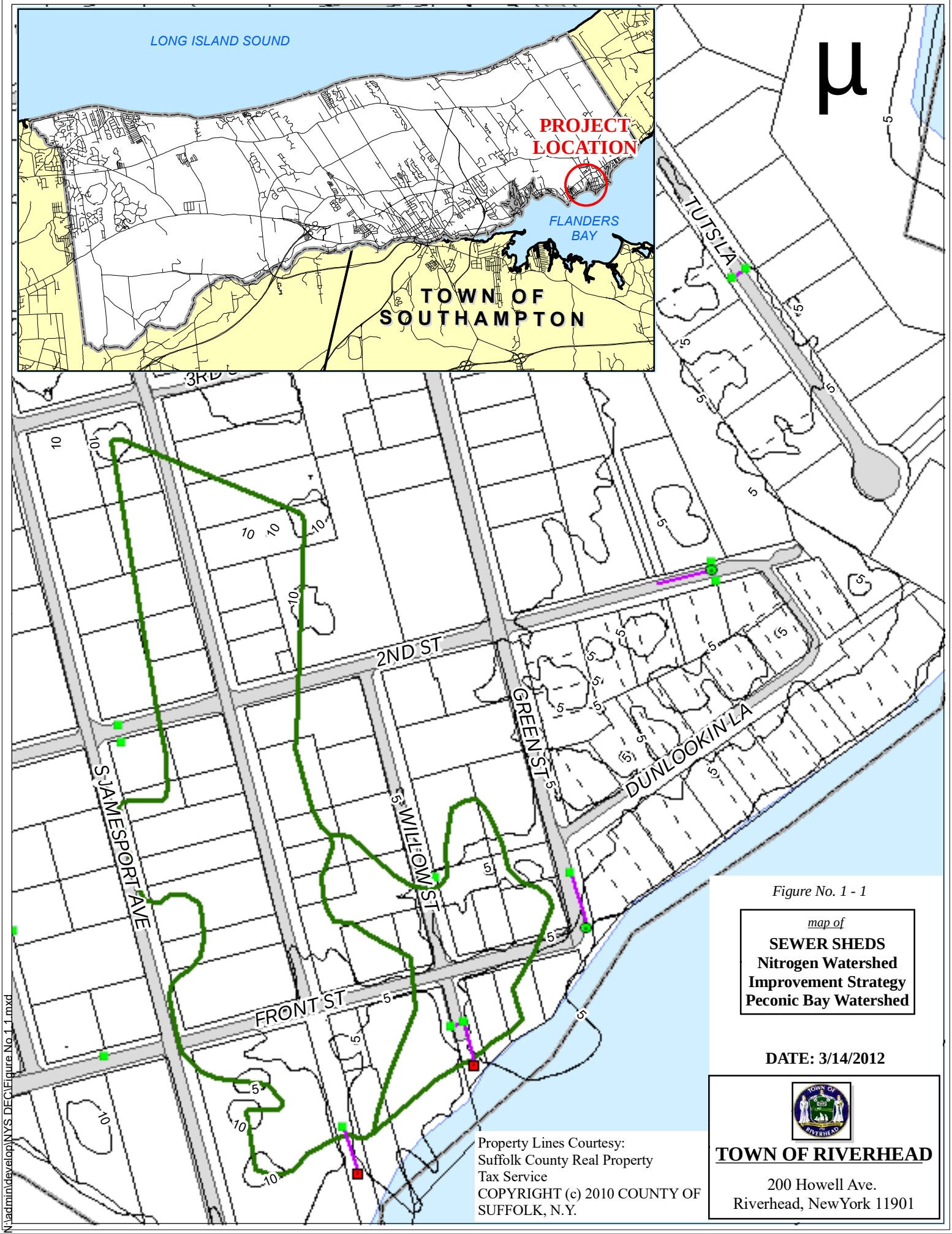

Figure No. 1 - 1

map of

SEWER SHEDS
Nitrogen Watershed
Improvement Strategy
Peconic Bay Watershed

DATE: 3/14/2012

Property Lines Courtesy:
Suffolk County Real Property
Tax Service
COPYRIGHT (c) 2010 COUNTY OF
SUFFOLK, N.Y.

TOWN OF RIVERHEAD

200 Howell Ave.
Riverhead, NewYork 11901

N:\admin\develop\NYS_DEC\Figure No 1 1.mxd

removal of nitrogen before the stormwater runoff reaches Peconic Bay (PB). The assessment is detailed in the Retrofit Plan included in Attachment A.

Excessive nitrogen loading can damage estuarine ecosystems and cause potentially harmful algal blooms. Where lawns and agricultural areas are regularly fertilized, stormwater runoff can deliver significant amounts of nitrogen to a receiving embayment. A carefully planned and implemented stormwater management plan can successfully limit nitrogen loading to the PBW, reducing overall nitrogen loading and decreasing the occurrence of brown tide.

In addition, requirements for a land developer to assess or mitigate potential nitrogen loading in stormwater runoff from a proposed project are currently not included in Town code. However, revegetation of a buffer area to a surface water body must be carried out with native vegetation and without fertilizers and pesticides. Sources of nitrogen on a site may include septic systems, fertilizers on lawns or stormwater runoff. Traditional on-site septic systems, even those sited properly according to code, contribute nitrogen to the groundwater and, ultimately, to the PB.

2.0 PUBLIC EDUCATION AND OUTREACH ON STORMWATER IMPACTS (MCM 1)

2.1 Public Education and Outreach – Planned Focus Areas

An education and outreach campaign will be used to target specific audiences in the watershed to positively influence human behaviors with potential ecologic impact. The program will also raise the awareness of the general public that land use and human activity within the watershed have a direct effect on the health and quality of the coastal resources. The public education issues in the PBW that will help address the key goals of this Watershed Improvement Strategy (WSIS) are as follows:

- Goose population management;
- Pet waste management;
- Stormwater management;
- Septic system maintenance; and
- Fertilizer management.

These focus areas are described below, followed by a description of planned education and outreach programmatic techniques. These techniques are intended to be a menu of strategies that will be employed in various combinations depending on time, budget and target watershed audience.

2.1.1 Goose Population Management

Several methods are used in various applications to reduce the populations of geese in and around water bodies, thereby reducing nitrogen loads to those areas. These include habitat modification, frightening, exclusion, discontinuation of feeding, relocation, hunting, and egg

addling. Some of these methods require changes in land use practices by the property owners, and some require professional or third-party assistance.

Habitat modification refers to alterations of large expanses of open grassed areas that are often mowed to the water's edge. These areas are attractive to geese that rely on a clear line of sight and open access to the water. Modifying these open spaces to allow for a vegetated buffer along the water's edge minimizes the attractiveness to geese. A 50-foot vegetated buffer, with growth up to 3-4 feet in height has a significant impact in deterring geese. The vegetated buffer replaces the transitional open space from the open water. Creation of this buffer, however, often depends on the will of the land owner to convert mowed area to vegetated area which generates the need for public education.

Tools for implementing public education include: mailers, television and radio advertisements, and newspaper articles and signage. Demonstration projects are another common form of public education. An example is allowing a 50-foot-wide buffer area of open mowed lawn along the waterfront to revegetate on publicly owned properties or on private properties of willing owners. Information regarding the former presence of geese, including photographs of the previous vegetation in contrast to the revegetated area, educates a wider audience about the goal of the program. Signage describing the area as a goose management buffer will be placed in public view, and followed by mailers or brochures explaining the project. Visualization of a completed project will streamline implementation by enabling expectations of project effectiveness. Other methods of goose management include live capture of the birds, egg addling, and hunting. Egg addling is a method used to control the hatching of eggs. The eggs in a nest are shaken, making them nonviable, and then replaced in the nest. These methods require permits from the United States Fish and Wildlife Service (USFWS) and may require state or local permits as well. In some cases, these methods may face local opposition; but in severe situations of uncontrolled goose populations, a local municipality may opt for these more direct methods.

2.1.2 Pet Waste Management

Pet waste can be a nuisance to the public in addition to contributing nitrogen to a water body via stormwater runoff. Picking up after a dog can also be a nuisance for pet owners. However, a growing number of pet owners are realizing the aesthetic and environmental health benefits of cleaning up pet waste from public areas and their own back yards.

In many communities throughout the country "pooper-scooper" laws have been enacted which require pet owners to clean up after their pets. Pooper-scooper signs and bags installed in key locations in the sewershed, along with the stigma of adding to the degradation of the watershed by not picking up after one's pet, can have positive long term effects on the watershed. A media campaign will be created with signage posted at public open spaces and along walking trails.

2.1.3 Stormwater Management

Homeowners and the general public within a watershed can play an important daily role in the stewardship of the MS4. This is particularly true in subdivisions where the stormwater

management practices may be isolated from routine Highway Department programs and where small stormwater management practices may be dispersed throughout the subdivision or on individual lots.

A stormwater awareness program developed and implemented through the Town can be a very useful tool in promoting effective and sustainable stormwater management. Mailings and inserts with local billings and other municipal communications to residents can raise awareness and inspire vigilance among local residents. Residents can help to monitor swales, leaching systems, catch basins and discharge locations to ensure proper operation. Residents can report problems to the Highway Department and thus help prevent infrastructure failure. In the fall, residents can help by clearing leaves and debris from the catch basin grates and by not throwing leaves and debris into drainage swales, on roadways, or into other stormwater pathways.

2.1.4 Septic System Maintenance

Many older septic systems consist of leaching pools constructed of either masonry block or pre-cast concrete. A number of the older (25-30 years) masonry block leaching pools are beginning to deteriorate. The Suffolk County Department of Health Services (SCDHS) currently requires that systems designed for less than 1,000 gallons per day incorporate a septic tank that allows solids/liquids separation. It is important to educate the public that septic tanks placed ahead of the leaching pools will serve to reduce the concentration of nitrogen infiltrating through the leaching pools. Septic systems require regular maintenance and inspection, and require that homeowners are aware of the location and operational characteristics of the system. Most systems necessitate septic tank pumping at approximate three to seven year intervals (depending upon the input to the system and the size of the settling tank) to remove accumulated solids.

In addition, many homeowners are not familiar with the signs of a malfunctioning system. The Town has delineated sewersheds in the PBW and will begin code modification with regard to homeowners with septic systems in this watershed. These homeowners will be required to have their systems inspected every five years by a licensed plumber or licensed Professional Engineers. The licensed professional must provide the Town with certification of acceptable system performance. Systems not operating correctly must be repaired or replaced and associated certification furnished to the Town.

There are many septic system maintenance additives available to reduce the accumulation of solids and the required frequency of pumping. However, these additives can frequently be harmful to the system, particularly when used inappropriately. Detrimental effects of using additives inappropriately include impairing the microbial community responsible for much of a system's treatment ability, reducing the effectiveness of the leaching field, and contributing chemical contaminants to the underlying groundwater. These effects are particularly important in coastal areas, e.g., the Town of Riverhead, that are characterized by sandy soils where groundwater movement to receiving waters can be very rapid. A properly designed, installed, and maintained septic system should not need chemical additives to function properly. It is important for homeowners to be cautious of what is introduced to their septic systems and of the resultant potential effects. Without proper maintenance, the system can lose significant treatment

capacity and can clog, causing leachate to breach ground surface. Alternatively, the system could back up into the household. Both of these scenarios cause a public health concern as well as a threat to local water resources.

The Town will initiate a public mailing to promote septic system maintenance by reminding residents of maintenance needs. The New York Onsite Wastewater Training Network at the State University of New York at Delhi provides trainings throughout the state and is a wealth of information about septic systems, including proper siting, design and maintenance. While this program's training is geared primarily toward engineers and practitioners, the New York State Department of Health website provides information and a printable pamphlet aimed at residents that describes proper septic system operation and maintenance (O&M). This pamphlet will be updated to include references to local water resources that may be threatened or experiencing poor water quality, and highlight the need for septic system maintenance. The Rhode Island Cooperative Extension has developed a number of helpful fact sheets aimed at homeowners with information about septic system maintenance, ways to prolong the life of the system, ways to upgrade the system to provide better treatment, the effects of additives, and other useful information.

The SCDHS has also produced a brochure entitled, "Home Sewage Disposal Systems in Suffolk County", which describes a septic tank and cesspool system that is typical of Suffolk County. This brochure, last updated in 2004, will be improved by the Town to provide additional information in regard to improving on-site wastewater treatment through innovative wastewater design. This would be useful for homeowners, especially those with aging systems and in need of significant repair or replacement.

2.1.5 Fertilizer Management

Agricultural Fertilizer Use:

The Town will coordinate the daily operations of local farmers to maintain stormwater runoff, which can potentially carry sediment with adsorbed nutrients, within individual properties. Runoff from farms to surrounding areas will be minimized by crop orientation, properly positioned swales with check dams, and/or sedimentation forebays. Row crops will be oriented perpendicular to flow direction to reduce velocity and allow infiltration. Swales with check dams will be installed along the perimeter of farm fields to collect and slow the runoff to enable sediment deposition and minimize erosion. Finally, forebays will collect, detain, facilitate sediment deposition, and infiltrate mass flows from crop fields.

The Town will organize discussions with farmers to encourage active cooperation with implementing the above practices. These discussions will also serve as an educational venue to describe the potential downstream effects of nutrients from runoff entering surface waters. The Town of Riverhead has experienced these effects with the brown tide in the past. In 2012, the Town will begin developing a database of local farms that will be mapped via geographic information system (GIS) relative to the Town's MS4. The farms will also be sorted by priority based on the potentially greatest effect of pollution and the highest probability of maintaining

sediment on individual properties. The Town will request assistance from the Long Island Farmers Bureau, Cornell Cooperative Extension and the Peconic Estuary Program (PEP) for educating parties involved in agricultural land use, i.e., traditional farmers, sod farms, viticulturists, nurserymen, horticulturists, etc.

Residential Fertilizer Use:

The Town will coordinate presentations with the PEP to educate the public on the effects of nitrogen in waterbodies. Because Long Island is located over a sole source aquifer, excessive levels of nitrogen in the groundwater is detrimental to its use as potable water. Many organic fertilizers are composed of animal waste. Therefore, the net reduction in the quantity of nitrogen generated from organic fertilizers in contrast to inorganic fertilizers is minimal.

Educational programs will be based on encouraging proper use of fertilizer (either organic or inorganic) as well as encouraging landscape practices that will reduce the requirement of fertilizers. Many lawns located within the PBW are maintained over the majority of the available lot area, irrigated with potable water, and treated with fertilizers and herbicides. Some lawns consist of non-native grasses. Public education will be used to help change these practices and inform homeowners about alternative lawn care practices. Smaller lawns are easier to maintain and allow room for larger more diverse and colorful vegetation. The use of native grasses and compost folded into the soil can reduce the need for additional pesticides and herbicides and will provide a more drought-resistant groundcover, which will in turn require less irrigation. In cases where irrigation is still required or preferred, the homeowner can use a variety of methods to reduce irrigation demand, including rain barrels or cisterns to catch rooftop runoff for irrigation, or programmed irrigation systems to water their lawns only during early morning or late evening hours.

There are several example programs in the northeast that promote healthy and sustainable lawn management. The Rhode Island Cooperative Extension GreenShare Program (http://www.uri.edu/ce/ceec/greenshare.html) and the URI Nonpoint Education for Municipal Officials (NEMO) Healthy Landscapes program (http://www.uri.edu/ce/healthylandscapes/index.html) provide guidance on sustainable gardening and lawn maintenance to promote the use of native vegetation that is suitable for the soil and site conditions.

A program such as the Bayscapes Program in the Chesapeake Bay Watershed is a good example. This program provides guidance to homeowners and landowners within the Chesapeake Bay Watershed about developing and installing “Bayscapes,” which are landscapes other than turf that are selected to reduce irrigation demand, improve habitat, reduce non-point pollution, and reduce erosion, while also appealing to gardeners. This program uses a website (http://www.fws.gov/chesapeakebay/bayscapes.htm), fact sheets and examples to provide information.

In Westchester County, New York, the Grassroots Healthy Lawn Program was an initiative of the county government and a non-profit organization called Grassroots Environmental

Education, based in Port Washington on Long Island. The goal of this initiative was to promote healthy lawn management by reducing the use of pesticides and other toxins on lawns throughout the county. The program provided training to landscapers, provided public outreach services, served as a liaison between manufacturers and retailers, and developed a list of natural lawn care product suppliers for public distribution (http://www.ghlp.org/).

Commercial Fertilizer Use:

The Town will solicit the cooperation of design professionals when designing new facilities. Xeriscaping will be stressed to reduce lawn areas and increase native plantings with perennials and more mulching. The Town will also contact golf course owners and/or superintendants to induce effective land management resulting in a reduction in the amount of fertilizers placed. Property owners will be asked to incorporate landscaping options that both reduce the amount of fertilizers required and dissuade the congregation of Canadian Geese.

2.2 Public Education and Outreach – Planned Programs

The following menu of activities will be implemented as part of the PBW outreach and education program to address the environmental health of the coastal water resources. These activities are designed to focus on one or a combination of the areas discussed above. These activities will be implemented by the Town in conjunction with the PEP, Suffolk County, homeowners' associations, local schools, or other active citizens groups.

2.2.1 Watershed Awareness Day

The Town will organize a watershed awareness day, preferably in conjunction with an Earth Day program. The watershed awareness day will take place along the shore or at an open space within the watershed. This event could include educational booths, games related to water quality, demonstrations of innovative technologies, sales of rain barrels and native grass seed, a swim or kayak race, a road race through the watershed, and/or an afternoon or evening clambake. A watershed awareness day will enable residents to make the visual and experiential connection between the coastal resources and the watershed.

2.2.2 Media Campaigns

Media campaigns will be developed with specific messages regarding applicable management strategies such as shoreline vegetation management. These campaigns will include fliers and brochures to be distributed at community events or mailed with utility bills, as well as posters to be distributed and posted in municipal offices, public libraries, schools, and other highly visible areas. Brochures could inform the public that sources of nitrogen include animal wastes, agricultural fertilizers from farms, general purpose fertilizers from residences, commercial fertilizers from golf courses, businesses and municipalities and human waste from overflowing septic systems. Articles will be developed for submittal to the local newspaper and will focus

on watershed management. Television advertisements or stories on local television stations or the local cable-access stations will be devoted to homeowner activities that impact the watershed.

2.2.3 Institution of an "Adopt-a-Watershed" Organization

Organizations sponsoring "Adopt-a-Watershed" programs will clean up litter, monitor storm drain outfalls, or promote watershed stewardship. Monitoring storm drain outfalls will be implemented with simple water quality kits in conjunction with observations. These organizations serve to gauge any significant changes that may be occurring in the watershed and may involve children as well.

2.2.4 Demonstration Projects

Projects that demonstrate the construction and operation of a vegetated buffer or alternative stormwater management technique will be constructed on publicly-owned land or on private lots of willing owners. Alternative stormwater management techniques include rain gardens, native plant selection, practical turf areas, efficient irrigation, mulch use, and nitrogen-reducing maintenance. Demonstration projects allow residents to visualize construction and completion of a BMP thus facilitating expectation of the outcome. One example could involve a smaller, more natural lawn and yard with more diverse landscaping. Information could be provided about cost savings and time savings due to lower maintenance requirements, and about any increase in song birds, decrease in nuisance species, etc.

Once initiated, the planning and implementation phases of the project will be documented in photographs which will be used in mailers, brochures, posters, and a media campaign. These projects can serve as local news stories as well. Signage will be placed at the edge of the site to attract public attention and to provide direction in finding additional information.

2.2.5 School Watershed Science Programs

Science and humanities programs in local schools can help to educate youth on watershed management and the connection between land uses and water quality in the PBW.

3.0 PUBLIC INVOLVEMENT/PARTICIPATION IN WATERSHED MANAGEMENT (MCM 2)

A public involvement/participation program will provide hands-on opportunities to inform the general public within the PBW that land use and human activity have a direct effect on the health and quality of the coastal resources.

3.1 Public Involvement/Participation – Planned Programs

The public involvement/participation program in the PBW involves implementation of a menu of activities to address environmental health of the coastal water resources. These activities are

designed to focus on watershed management and will be implemented by the Town in conjunction with the PEP, Suffolk County, homeowners' associations, local schools, or other active citizens groups. These activities will be employed in various combinations depending on time, budget and target watershed residents.

3.1.1 Demonstration Projects

Demonstration projects will include the general public during planning and implementation. Residents can also install on-site retrofits to improve stormwater management at private homes. These can include installation of rain barrels to collect water from rooftops through roof leaders. A rain barrel program will be established through the Town or local non-profit organizations, in conjunction with a rain barrel distributor, to sell rain barrels at a discounted price to community members. In addition, other on-site retrofits may include dry well installation to collect and infiltrate roof runoff and overflow from the rain barrels.

3.1.2 Watershed Clean-Up Days

Community volunteers will coordinate a watershed clean-up day to collect litter and debris throughout the watershed. These events will enable the public to observe the PB and areas of the watershed with which they are unfamiliar and give them a sense of ownership and stewardship beyond a single clean-up event.

3.1.3 School Watershed Science Programs

Environmental hands-on school programs will include water quality monitoring, gardening, recycling, and composting. These programs will facilitate student involvement/participation in watershed management and stewardship.

4.0 ILLICIT DISCHARGE DETECTION AND ELIMINATION (IDDE) (MCM 3)

4.1 MS4 Conveyance System Mapping

The Town has developed and currently maintains a map developed with GIS software which shows the entire Town's identified MS4 conveyance system. The map for the conveyance system includes the following information:

- Identification of closed pipe or open drainage conveyance systems;
- The material, shape and size of closed pipe systems;
- The lining material, shape and dimensions for channels or ditches in an open drainage system;
- Drop inlet, catch basin, and manhole locations; and
- The number and size of connections (inlets/outlets) to catch basins and manholes with the direction of flow.

5.0 POST-CONSTRUCTION STORMWATER MANAGEMENT (MCM 5)

5.1 Planned Modifications to Land Development Review Process

The land development review process will be improved to reduce potential impacts to the water quality in PB. These improvements include implementing the use of comprehensive and uniform stormwater standards for new development and redevelopment. The standards will include explicit stormwater treatment requirements to reduce nitrogen and suspended solids loading to the PB as well as to improve erosion control. The Planning Board will use this set of standards as a uniform reference to improve consistency in stormwater design and management throughout the Town. These standards will be incorporated as a separate policy that can be referenced by the subdivision regulations and allow more flexibility to update the policy as technologies advance and conditions change. As an added benefit the subdivision regulations would not need formal modifications.

The new stormwater standards will include a pre-approved list of appropriate stormwater BMPs, along with design guidelines for proper siting, sizing, installation and operation and maintenance (O&M) of the practices. As a starting point, specific sections of the New York State Stormwater Management Design Manual (NYSDEC, August 2010) (Design Manual) will be the general reference for stormwater design. This manual provides a set of stormwater practices, sizing criteria and performance criteria, and describes in detail the proper design, limitations, and effectiveness of a host of practices. Those practices that are more effective than others for nitrogen removal (e.g., infiltration and constructed wetlands are more effective than swales) will be promoted or required by the Town in lieu of other practices. For example, some research studies have shown that catch basin inserts (proprietary BMPs gaining popularity in some areas due to easy and low-cost installation) have low removal rates for nitrogen, high maintenance burdens for communities, and should be implemented sparingly. Refer to the Meetinghouse Creek Watershed Management Plan, Horsley Witten Group, July 2006 (Horsley Witten, 2006) for more details and references for these findings. BMPs with high nitrogen removal capabilities that will be promoted include constructed wetlands and infiltration.

The Design Manual also provides useful landscaping and site layout techniques to reduce nitrogen loading to receiving waters, which may be advantageous to include in the Town's list of practices and standards. The site layout techniques include buffer standards for separating development from surface waters. Buffers are effective for controlling nitrogen-containing runoff from turf areas.

.

<u>Goals:</u>

- Adopt a short, pre-approved list of BMPs effective at nitrogen removal.
- Require appropriate landscaping and site layout techniques.

5.2 Planned Maintenance of Stormwater Management Practices

The Town will develop a brief landowner's guide for maintenance of stormwater structures. This guide will focus on inspection and maintenance of on-lot stormwater practices for both residential and commercial/industrial sites. The guide will also describe measures that local landowners can implement to assist the Town in maintaining public infrastructure, such as cleaning debris from nearby catch basins and reporting stormwater infrastructure malfunctions and flooding problems.

5.3 Retrofit Plan

The post-construction stormwater management measures described above are also included in Attachment A to this Watershed Improvement Strategy - Retrofit Plan – along with other additional measures. The Retrofit Plan addresses runoff from sites to correct or reduce nitrogen loading problems. At a minimum, the plan:

- Establishes procedures to identify sites with erosion and/or nitrogen loading problems;
- Establishes policy and procedures for project selection. Selection criteria include the nitrogen reduction potential of a proposed retrofit practice; the ability to use standard, proven technologies; and the economic feasibility of constructing the proposed practice. As part of the project selection process, Suffolk County through the PEP has initiated the Peconic Estuary Intermunicipal Stormwater Management Project to assist municipalities within the Peconic Estuary to work together in meeting the NYSDEC 2010 MS4 General Permit requirements. The Town is a participant of this project; and
- Establishes policy and procedures for project permitting, design, funding, construction and maintenance.

Upon NYSDEC approval of the plan, its requirements will become enforceable tenets of the Town's MS4 Permit.

6.0 POLLUTION PREVENTION/GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS (MCM 6)

6.1 Planned Maintenance of Stormwater Infrastructure

In the Town of Riverhead, ownership of stormwater infrastructure is shared by the Town and individual landowners. When a new subdivision road is constructed and accepted by the Town, the responsibility for the drainage infrastructure also passes to the Town. The drainage infrastructure that collects and treats stormwater on each individual lot is the responsibility of the landowner to inspect and maintain.

In order to function as designed over the long term, stormwater infrastructure must be maintained regularly. This is particularly important with structures designed for infiltration such as leaching catch basins. These types of structures may receive stormwater that has not been pre-treated and therefore contains oils, greases, organic matter, and suspended solids that can

clog the system. Depending on the land use, inadequate pretreatment may allow nitrogen to enter groundwater and lead to both health and environmental threats. On individual properties, runoff from rooftops and driveways that is not properly infiltrated into dry wells or other onsite structures could back up into basements, cause nuisance flooding, and in some cases, lead to surface discharges and erosion.

The Town maintains a working map of municipally-owned stormwater practices in GIS, spreadsheet and textual formats. This database can also be used to track maintenance services, and to document when certain structures experienced problems.

The following goals are intended to improve the system through maintenance of stormwater practices and infrastructure in the PBW and throughout the Town of Riverhead.

Goals:

- Adopt a regular municipal stormwater inspection and maintenance schedule for municipally-owned stormwater infrastructure. Regular inspections will be performed at least annually in the early spring, prior to the spring rains but after the winter snow melt. Cleanouts of leaching catch basins and other sedimentation practices are recommended to be performed annually, but at a minimum of every 2-3 years, and on an additional as-needed basis. This will help reduce clogging of infiltration measures and sediment transport through scouring and resuspension during larger spring rains. Execute a municipal street sweeping program to be carried out semi-annually but at least annually within the PBW.

- The Engineering Department will adopt O&M plans into their regular inspection and maintenance schedule.

6.2 Loose Leaf Pickup Program

As of 2012, the Loose Leaf Pickup program has been terminated and all residents are required to bag leaves for pickup in lieu of the Loose Leaf program. Loose leaf pickup encourages residents to pile leaves along the street edge, which can cause significant clogging of the catch basins and other drainage structures.

ATTACHMENT A

TOWN OF RIVERHEAD

PECONIC BAY WATERSHED

WATERSHED IMPROVEMENT STRATEGY

March 15, 2012

Engineering Department
Town of Riverhead
1295 Pulaski Street
Riverhead, NY 11901
(631) 727-3200, Ext. 201

RETROFIT PLAN
TOWN OF RIVERHEAD
PECONIC BAY WATERSHED

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RETROFIT PLAN
TOWN OF RIVERHEAD
PECONIC BAY WATERSHED

1.0 INTRODUCTION

Pursuant to Section 402 of the Clean Water Act, stormwater discharges from small municipal separate storm sewer systems (small MS4s) located in urbanized areas or additionally designated by New York State are unlawful unless they are authorized by a National Pollutant Discharge Elimination System (NPDES) permit or by a state permit program. New York's State Pollutant Discharge Elimination System (SPDES) is an NPDES-approved program with permits issued in accordance with the Environmental Conservation Law. In 2010 the New York State Department of Environmental Conservation (NYSDEC) promulgated the SPDES General Permit for Stormwater Discharges from Municipal Separate Storm Sewer Systems (MS4s), Permit No. GP-0-10-002.

Only those small MS4 operators who develop and implement a stormwater management program (SWMP) and obtain permit coverage in accordance with Part II of the SPDES general permit are authorized to discharge stormwater from their small MS4 under this SPDES general permit.
Part III. B. 2. of the permit requires covered entities to meet the reduction of the pollutant of concern (POC) as defined by the Total Maximum Daily Load (TMDL) program in Part IX of the permit. Deadlines included in Part IX. are for Retrofit Plan Submission, Watershed Improvement Strategy and load reduction of the POC associated with individual covered entities. Table IX. D. specifies a March 9, 2011 deadline for Retrofit Plan Submission for Nitrogen in the Peconic Bay Watershed (PBW). The north side of the PBW is located in the Town of Riverhead (Figure 1-1).

1.1 Stormwater Management Assessment and Proposed BMPs

A field assessment for stormwater management value was conducted throughout the FBW. The stormwater assessment was used to identify likely stormwater pollutant sources as well as areas where best management practices (BMPs) could be installed to improve the management and treatment of stormwater in the watershed. Successful implementation of this plan is expected to help reduce stormwater runoff pollution, and maintain or improve overall water quality conditions and degraded marsh areas.

2.0 STORMWATER MANAGEMENT ASSESSMENT

This stormwater management assessment addresses stormwater runoff as a source of nitrogen loading in the PBW. The assessment assists in identifying any problem areas, and potential areas to install stormwater BMPs to reduce the nitrogen loading to PB. The results of this assessment are then used to pinpoint and evaluate site specific stormwater management practices in key locations throughout the watershed. By pointing to and prioritizing the most cost-effective retrofit opportunities, a reasonable set of specific management options are available to help achieve the goals stated in the MS4 permit for the PBW. Successful implementation of selected opportunities is expected to help reduce stormwater runoff pollution, improve overall water quality conditions, and maintain or improve critical habitat areas.

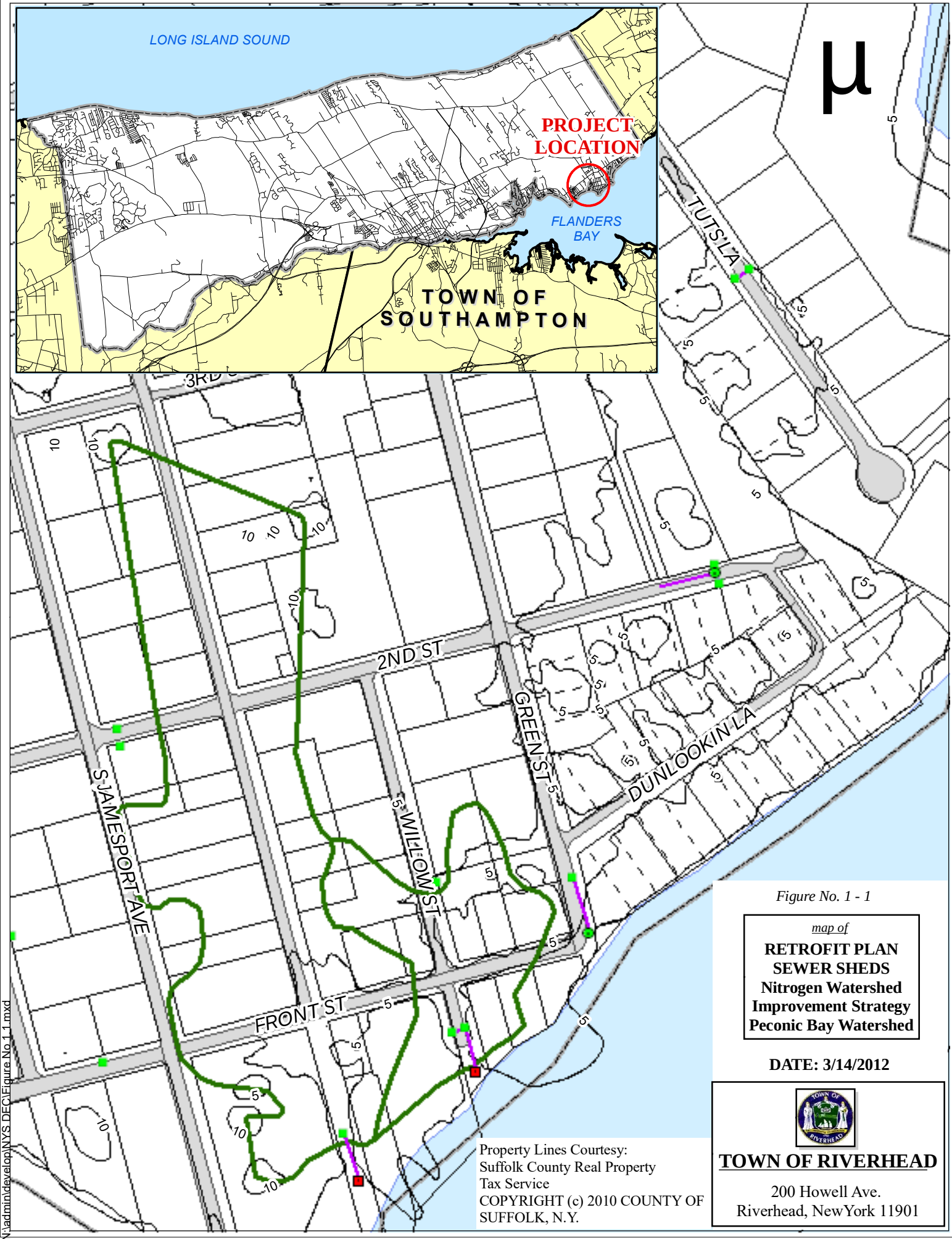

Figure No. 1 - 1

map of

RETROFIT PLAN
SEWER SHEDS
Nitrogen Watershed
Improvement Strategy
Peconic Bay Watershed

DATE: 3/14/2012

Property Lines Courtesy:
Suffolk County Real Property
Tax Service
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TOWN OF RIVERHEAD

200 Howell Ave.
Riverhead, NewYork 11901

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The existing stormwater management program in the PBW mainly consists of infiltrating catch basins and storm drains along roadways, as well as recharge basins in subdivisions. Based on this watershed assessment, proposed stormwater BMPs were chosen to retrofit the existing drainage system to better manage and treat stormwater before it reaches PB.

2.1 Storm Drainage Assessment and Mapping

Inventories of all outfalls connected to the Town of Riverhead's MS4 were conducted during 2010 and 2011. The outfalls and associated structures and piping were identified, mapped and input to GIS. Sewersheds (discrete drainage areas) were then configured with respect to each outfall based on the topography included in GIS. The sewersheds, outfalls, piping and structures which discharge directly to the PBW are shown and labeled in Figure 1-1.

Focused field reconnaissance was also conducted during 2010-2011 in conjunction with the outfall inventories and included the PBW. The sewersheds for the PBW outfalls were updated to reflect field conditions after completion of this reconnaissance. The results of the reconnaissance efforts were used to investigate areas of potential maximum nitrogen loading in the PBW. An opportunity to pre-select sites for the installation of BMPs was realized based on geographical locations of the outfalls and areas that are open space, publicly owned, and/or untouched.

2.2 Description of BMP Design Criteria

The BMPs for the two existing discharge locations in the PBW were selected and designed with the goal of improving the overall quality of the stormwater runoff to the PB.

Based on the New York State Stormwater Management Design Manual (NYSDEC, August 2010) (Design Manual), potential BMPs were sized to capture and treat 90% of the average annual stormwater runoff volume or the Water Quality Volume (WQv). Potential BMPs were sized to capture and treat the 1.2-inch storm event runoff from the contributing impervious areas to the maximum extent practicable.

All practice selection occurs under the conservative assumption that no other BMP is being implemented simultaneously. The pollutant removal efficiency estimated for each BMP is based on the assumption that all practices are implemented independently. However, if feasible, combinations of BMPs will be implemented jointly to address as large an area as possible to achieve a greater cumulative pollutant reduction at the outfall.

The BMPs proposed for the PBW watershed include bioretention systems and porous pavement.

2.3 Selected BMP Descriptions

The following are descriptions of the two selected BMP sites identified for the PBW. BMPs were chosen to match site characteristics with recommended design criteria. The main characteristics that determine the type of BMP chosen include depth to groundwater, watershed area, available land space, and drainage system or other infrastructure constraints.

2.3.1 BMPs for End of Point Street

This proposed practice is located at the south end of Point Street. The sewershed consists of approximately 8.3 acres, of which 40% is estimated to be impervious. The practice is located within the public right-of-way associated with Point Street. Area residents visiting or observing the beach park their cars at this location and walk their dogs here as well. Runoff is collected in the catch basin at the end of the street and discharged to the beach.

Porous pavement with bioretention cells along each side of the street are sized for a 0.8-inch rainfall. The porous pavement and bioretention cells would begin at the south end of Point Steet and extend to the intersection with Front Street. Any surplus runoff from the proposed BMPs would collect and flow to the catch basin at the end of the street for subsequent discharge to the beach. Signage will be installed in this area to remind dog owners to pick up after their pets.

The major constraints for this site are the limited pollution removal based on space limitations. The estimated cost for the porous pavement, bioretention and both BMPs combined is $125,000, $185,000 and $310,000, respectively. The Town plans to secure funding for this project with outside grant monies. The conceptual design for this BMP is included in Figure 2-1.

2.3.2 BMP for End of Willow Street

This proposed BMP is located at the south end of Willow Street. The sewershed consists of approximately 2.2 acres, of which 40% is estimated to be impervious. The practice is located within the public right-of-way associated with Willow Street. Area residents visiting or observing the beach park their cars at this location and walk their dogs here as well. Runoff is collected in the catch basin at the end of the street and discharged to the beach.

Porous pavement sized for a 1.2-inch rainfall is proposed for this location from the south end of Willow Steet to the intersection with Front Street. Any surplus runoff from the porous pavement will discharge to the catch basin at the end of the street for subsequent discharge to the beach. Signage will be installed in this area to remind dog owners to pick up after their pets.

The estimated cost for the porous pavement is $80,000. The Town plans to secure funding for this project with outside grant monies. The conceptual design for this BMP is included in Figure 2-2.

3.0 CONCLUSION

An assessment of stormwater management and treatment in the PBW was performed in order to identify problem areas and potential sites for the installation of stormwater BMPs. The goal of these BMPs is to improve the removal of nitrogen before the stormwater runoff reaches the PB. As there are only two outfalls that discharge directly to the PB within the PBW, both locations were selected for BMP implementation. Stormwater BMPs proposed for these sites include bioretention systems and porous pavement. The goal of the BMPs at these locations is to improve the removal of nitrogen before the stormwater eventually reaches PB. If both proposed

retrofits were implemented, the total cost including design, permitting and construction is estimated to be $390,000.

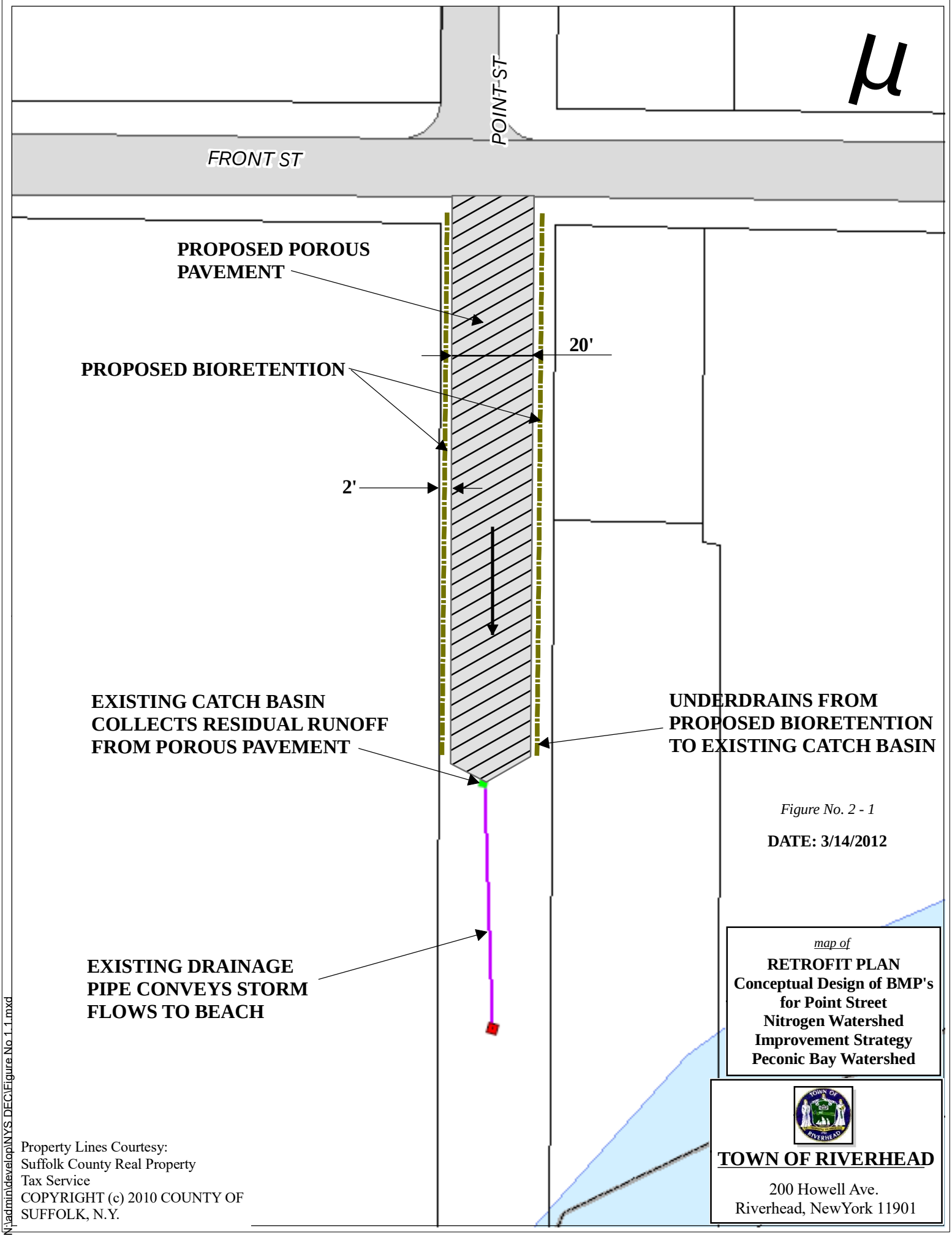

Figure No. 2 - 1

DATE: 3/14/2012

map of

RETROFIT PLAN
Conceptual Design of BMP's for Point Street
Nitrogen Watershed Improvement Strategy
Peconic Bay Watershed

TOWN OF RIVERHEAD

200 Howell Ave.
Riverhead, NewYork 11901

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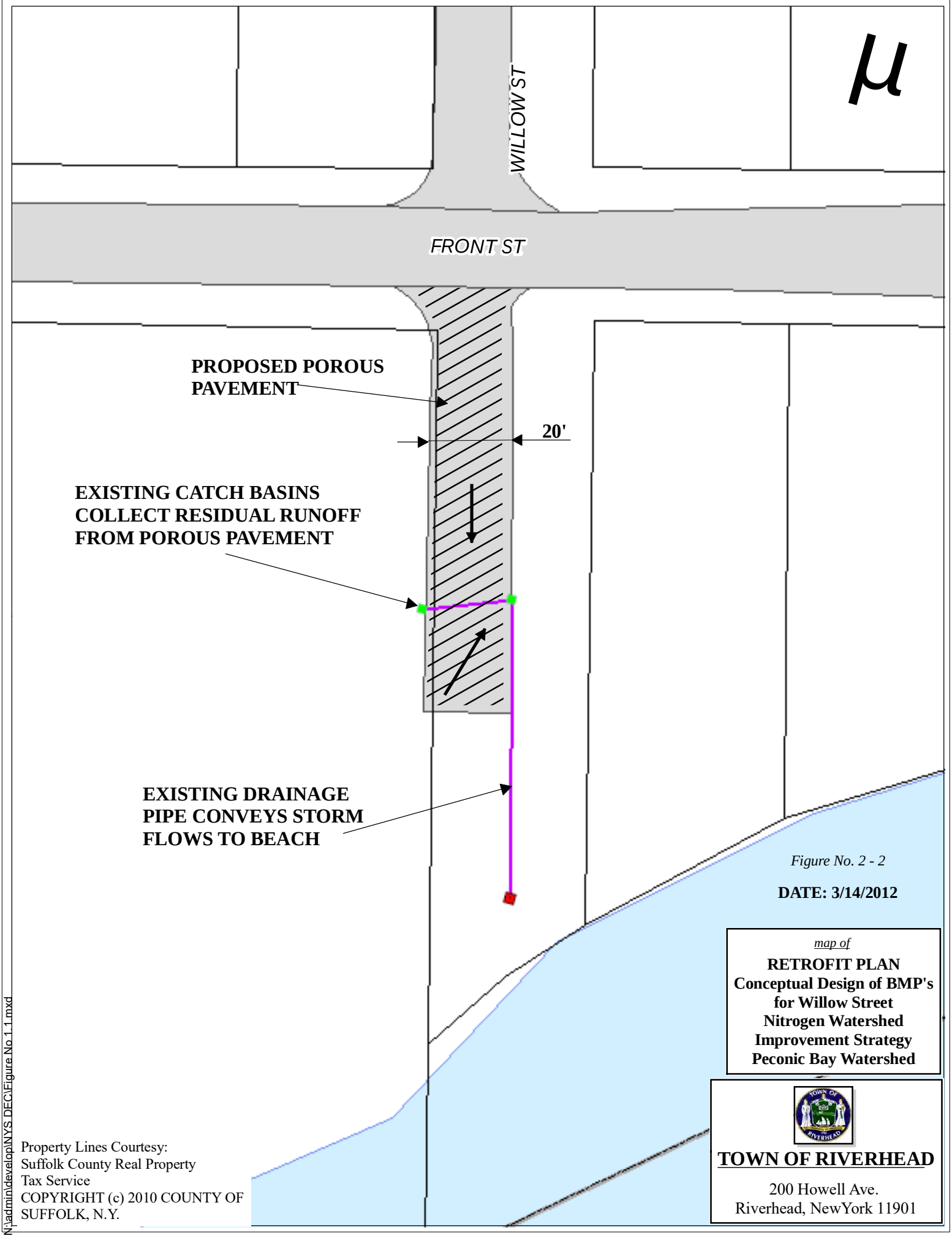

Figure No. 2 - 2

DATE: 3/14/2012

map of

RETROFIT PLAN
Conceptual Design of BMP's
for Willow Street
Nitrogen Watershed
Improvement Strategy
Peconic Bay Watershed

TOWN OF RIVERHEAD

200 Howell Ave.
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APPENDIX L - CONSTRUCTION SITE ACTIVITY

Consultant

D&B

Bowne

Project	Consultant	Receiving Waterbody Name and Class	Receiving Waterbody WI/PL Segment ID	Prioritization	SPDES ID	Current Status	SWPPP Submittal Date		MS4 Acceptance	Start Date	1st Town Inspection		Sch Mid-Constr Inspectio		Sch Final Inspectio		Closed
The Shops at Riverhead	Bowne					-	11/2/2012	2/10/2017 Brixmor	2/28/2013	6/15/2013	7/5/2013		11/13/2013 2/25/2019	4/19/2017	3/15/2014		
Northville Commerce Park	Bowne					COMPLETED	12/31/2012		2/28/2013	4/17/2013	5/7/2013		7/19/2013		12/1/2014		12/11/2015 11/16/18 NOT
East End Eye	D&B					COMPLETED	2/10/2012		10/24/2012	3/27/2013	4/4/2013	4/24/2013	7/16/2013		11/27/2013		
Hampton Jitney	D&B					COMPLETED	12/3/2012		2/27/2013	2/21/2013	3/15/2013	4/12/2013	10/8/2013		12/17/2014	7/13/2015	
Saber-Riverhead	D&B					COMPLETED	11/13/2012		1/17/2013	2/11/2013	4/4/2013	4/12/2013	9/12/2013	9/23/2013	7/13/2015		
Mercy	D&B					COMPLETED	11/15/2011		10/1/2012	12/13/2012	12/17/2012	12/28/2012	7/16/2013		10/8/2013	1/14/2016	
Gershow	D&B						6/5/2012		7/23/2012	10/14/2012	12/28/2012	1/7/2013	4/12/2013	3/22/2019	5/23/2013		
Secure Store	Town						6/20/2010		10/18/2010	9/30/2011	10/4/2011		1/21/2014		10/30/2013		
Riverhead Charter School	Bowne					COMPLETED	2/13/2013		5/21/2013	9/13/2013	9/25/2013		1/15/2015		8/11/2015		4/4/2016
Island Water Park	D&B					WAIVER GRANTED	3/22/2013		11/26/2013								11/26/2013
1998 Peconic LLC	Bowne					COMPLETED	7/25/2013		8/7/2013	9/10/2013	9/25/2013				2/10/2014		4/25/2014
Redwood Farm and Stable	Town					COMPLETED	7/9/2013		8/2/2013	12/10/2013	12/16/2013		1/23/2015		10/16/2015		10/22/2015
Baiting Hollow Club - Practice Area	D&B					COMPLETED	3/24/2014		4/21/2014	4/25/2014	4/29/2014				7/10/2014		8/25/2014
Driftwood Family Farms	Bowne						11/10/2014		12/4/2014						3/15/2014		
sPower Riverhead Sutter	D&B					COMPLETED	9/8/2014		10/3/2014	11/24/2014	11/26/2014	12/8/2014	5/7/2015		12/1/2014		11/25/2015
Serendipity	Bowne					COMPLETED	5/1/2015		5/7/2014	5/20/2014	5/21/2014		4/8/2015		11/27/2013		
STR	Bowne					COMPLETED	6/26/2014		9/25/2014	1/12/2015	1/15/2015				12/17/2014		
Central Square	D&B Final Insp Bowne					COMPLETED	3/7/2014		3/28/2014								
Nazar Commons	Bowne					NOT STARTED	1/26/2015		8/22/2018								
Koppert Cress	D&B						12/9/2014										
Splish Splash Water Park	D&B						3/23/2015		6/5/2015	6/5/2015	6/17/2015						
Zwanger Pesiri Radiology Office	D&B					COMPLETED	6/10/2014		6/19/2015								
Old Orchard at Baiting Hollow	Bowne/Town/D&B					COMPLETED	6/23/2015		3/30/2016	9/8/2016	9/8-9/2016		3/22/2019		10/5/2021	10/27/2021	
TRW Properties, LLC	D&B					COMPLETED	7/7/2015		9/3/2015	9/23/2015	9/25/2015				10/5/2021	10/27/2021	
Barclay Ehrler	D&B					COMPLETED	3/15/2013, 9/30/15		11/25/2015 8/7/2020	Jul-18	3/28/2018	4/12/2018					
Irwin Garsten	D&B					COMPLETED	12/8/2015		12/8/2015	5/31/2016	6/29/2016		9/5/2016	3/22/2019			
Apple Honda	D&B					COMPLETED	1/14/2016		3/14/2016		8/4/2016		9/8/2016	3/22/2019			
New Jerusalen Church	D&B					COMPLETED	4/5/2016		11/8/2017								
Peconic Care, Calverton	D&B					COMPLETED	3/30/2016		1/10/2017								
84 Lumber Re-Opening	D&B					COMPLETED	5/16/2016		8/30/2016								
400 Burman Blvd	D&B					COMPLETE	12/17/2013		8/16/2016								
Middle Road Minor Subdivision	D&B					COMPLETED	9/27/2016	12/12/2016	3/1/2017	8/18/2017	9/7/2017	9/18/2017			12/27/2017 10/5/2021	1/25/2018	1/25/2018
Calverton Distribution PODS	D&B						1/3/2017		5/10/2018								
Vistas of Baiting Hollow	D&B						2/8/2017		1/12/2018	3/1/2017	7/17/2020				4/17/2023		4/18/2023
CAL 705, LLC	D&B					COMPLETE	3/31/2017		11/20/2017								
Chernoff Building	D&B						5/1/2017										
Twin Fork Beer Company	D&B					WAIVER	11/2/2017										1/26/2018
Schwing Electrical Supply	D&B						11/28/2017										
Riverhead Commons	D&B						12/13/2017		5/3/2018	5/17/2018	7/9/2018		4/1/2019				
Hamlet Professional Center	D&B						12/18/2017		11/30/2018								6/10/2021
Riverhead Buick GMC/Riverhead Ford	D&B					COMPLETED	3/9/2018		10/1/2018 (3/28/19 revised)								
Tractor Supply Co.-Calverton	D&B					COMPLETED	5/7/2018		12/3/2018								
sPower Calverton	D&B					COMPLETED	7/5/2018		8/16/2018		10/18/2018		3/15/2019		10/1/2020		
Garsten Retail Center	D&B					COMPLETED	10/24/2018		3/12/2019		4/26/2019		7/16/2020		10/5/2021	10/27/2021	
Riverhead Islamic Center	D&B						1/23/2019										
Real Life Church	D&B					COMPLETED	6/26/2019										
Riverhead Dodge	D&B	pec riv trib class c	921-37 Pec Riv trib	LOW	NYR11H041	ACTIVE	3/13/2020		7/27/2020		7/27/2022		3/2/2023	7/11/2023			
Calverton Solar Energy Center	D&B					COMPLETED	11/9/2020		7/14/2021						6/29/2023		
817 Pulaski St. Realty Co., LLC	D&B	Peconic River class c	921-25 Pec River	LOW	NYR11M242	ACTIVE	3/25/2021	9/24/21 email	9/19/2022								
Island Water Park	D&B	WAIVER				WAIVER	9/13/2021										12/30/2021 Waiver Request
Riverhead Solar 2	Town						1/20/2022		1/31/2022 Clearing only	12/20/2022							
48 Kroemer, LLC	D&B	Peconic River class c	921-25 Pec River	LOW	NYR11J507	ACTIVE	1/28/2022		3/21/2022								
EP Equity Holdings Four, LLC	D&B						3/29/2022		10/20/2022								
Tosini Riverhead	D&B						4/26/2022		10/20/2022								
1535 Route 58, LLC	D&B						5/26/2022		8/1/2023								
Dries	D&B						10/3/2022										
Holly Tree Farm	D&B	East Creek Class SC	924-166 ,East Creek	LOW	NYR11K611	ACTIVE	10/11/2022		12/12/2022								
Sea Crest Estates	D&B	LI Sound SA	921-75 LI Sound	LOW	NYR11K788	ACTIVE	12/9/2022		2/13/2023	12/1/2023	12/19/2023						
1001 Scott Avenue, Calverton	D&B						12/19/2022										
Kathy Lane, LLC	D&B						3/20/2023		8/1/2023								
Blackmore Farms, LLC	D&B						3/31/2023										
203-213 East Main Street	D&B						5/8/2023										
105 Pier Avenue Subdivision	D&B	None	None	LOW	NYR11L982	ACTIVE	8/15/2023		11/9/2023								
4285 Middle Country Road, Calverton	D&B						11/22/2023										
ToR LF Solar Farm	D&B						12/5/2023		5/9/2024								
Sandy Pond Links, LLC	D&B					WAIVER	2/2/2024										3/11/24 Waiver Request Granted
Peconic Equities	D&B																
1309 OCR Automobile Dealership	D&B						5/15/2024										
Carson Woods Cluster Subdivision	D&B	unnamed MT-32 FW Wetland	none	low		Not started	6/27/2024										

	Number of Reviews									
Project	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**
The Shops at Riverhead				2						
Northville Commerce Park				1						
East End Eye			3							
Hampton Jitney				3						
Saber-Riverhead				5						
Mercy			5							
Gershow			4							
Secure Store	11									
Riverhead Charter School										
Island Water Park				3						
1998 Peconic LLC				1						
Redwood Farm and Stable				3						
Baiting Hollow Club - Practice Area					3					
Driftwood Family Farms					2					
sPower Riverhead Sutter					3					
Serendipity					2					
STR					2					
Central Square					3					
Nazar Commons									3	
Koppert Cress										
Splish Splash Water Park						3				
Zwanger Pesiri Radiology Office						4				
Old Orchard at Baiting Hollow							5			
TRW Properties, LLC						3				
Barclay Ehrler						3				
Irwin Garsten						2				
Apple Honda							2			
New Jerusalen Church								10		
Peconic Care, Calverton								3		
84 Lumber Re-Opening							3			
400 Burman Blvd							5			
Middle Road Minor Subdivision								3		
Calverton Distribution PODS								4		
Vistas of Baiting Hollow									6	
CAL 705, LLC								4		
Chernoff Building										
Twin Fork Beer Company									2	
Schwing Electrical Supply										
Riverhead Commons									5	
Hamlet Professional Center									4	
Riverhead Buick GMC/Riverhead Ford										7
Tractor Supply Co.-Calverton									4	
sPower Calverton									4	
Garsten Retail Center										5
Riverhead Islamic Center										
Annual Avg			4	2.57	2.5	3	3.75	4.8	4.00	

during

Project	Owner	Address	Consultant	SCTM NO.	1st SWPPP Received	MS4 Acceptance	Status
Calverton Solar Energy Center	NextEra Energy Resources, LLC	P.O. Box 14000; Juno Beach, FL 33408-0420	L.K. McLean Ass, PC	0600-136-1-2	11/9/2020	7/14/2021	need C & Rs and revised mylar
Central Square	John Zoumas	2050 North Country Rd, Wading River, NY 11792	Daniel Winkelman, PE	0600-75-3-4	2/6/2012		need C & Rs and revised mylar
East End Eye Associates	Southold Medical Arts Building, Inc.	1333 East Main Street	CDB Design & Construction Corp.	0600-131-1-3	2/10/2012	10/24/2012	need mylar
EBS Building Systems	EBS Building Systems, Inc.	Scott Ave., Calverton	Jeffrey Butler, PE, PC	0600-135-1-1-1	10/26/2009	11/9/2009	TB mylar signed in July 2010, Sept 2012 resolution extension
Gendot Associates, Inc.	Mark Mysak	450 Middle Rd., Riverhead	Young & Young	0600-82-4-221.12	6/9/2010	12/21/2010	Mylar not signed. Transfer of Development Rights required before map can be signed
Gershow Recyclilng of Riverhead, Inc.	Kevin Gershowitz	71 Peconic Avenue, Medford, NY	Young & Young	0600-131-1-2.2	6/15/2012	7/23/2012	In construction
Great Rock Golf Course	Great Rock Golf LLC	Fairway Drive	Young & Young	0600-57-1-1.31	12/7/2010	2/16/2011	with Town Attorney
Hampton Jitney at Calverton	Hampton Jitney Inc.	395 County Road 39A	High Point Engineering	0600-117-01-8.6	12/3/2012		Sent SWPPP to D&B on 12/3/12. Received comments 12/14/12
Holly Estates	Frank Sessa	NY 25A, Wading River	Cramer Consulting Group	0600-76-2-3.0	9/1/2010	10/18/2010	Reso expd. Must reapply for SP approval.
Irwin Garsten	Garsten Realty, LLC	785 Raynor Ave 785 Raynor Ave Riverhead, NY 11901	D. Adams, PE, PLLC	600-108-2-21.1	10/1/2015	12/8/2015	
Island Water Park	Island Water Park, Inc.	Rt. 25 Calverton, NY	Roux Assoc.	0600-135-1-7.34	7/7/2009		awaiting SWPPP-proj revised
Knightland Village	Knightland Inc.,	Sound Ave., & NYS 25A, Wading River.		0600-75-2-(4; 11.3; 12.1; 13.2) & 0600-76-1-3.2	9/14/2011	12/6/2011	Constr has not started as of 3/7/13
Koppert Cress USA	William Talmage	3004 Sound Ave, Riverhead, NY 11901		0600-041-02-5.5	Awaiting SWPPP submittal		
Kristi Rose Court	Riverhead Builders Corp	Doctor's Path, Riverhead	Jeffrey Butler	0600-65-01-04	11/16/2009	7/22/2011	Need fees, C & Rs and mylar
McGann-Mercy High School	Roman Catholic Diocese of Rockville Center	50 North Park Ave, Rockville Ctr	L.K. McLean Ass, PC	0600-82-03-06	11/15/2011	10/1/2012	In construction as of Dec 17, 2012
Metro Terminals	Metro Terminals Of Long Island, LLC	501 Scott Ave., Calverton	Michael Mapes, P.E.	0600-135.2-1-7SP	7/18/2012		waiting for C & Rs for both sites before the mylars can be signed
North Shore Country Plaza at Wading River	Maryann Stajk, Constrance Partridge, and Kathleen Condzella	616 Roanoke Avenue, Riverhead	Petracca Design & Engineering, P.C.	0600-75-1-1.2			not yet approved by Resolution
Northville Commerce Park	Richard Israel	185 Old Country Rd, Ste 5, Riverhead, NY	Young & Young	0600-84-4-28	11/20/2012		12/13/12 sent SWPPP to Bowne
Peconic Iron Works	Thomas Berglin	168 Kroemer Ave., Riverhead	Young & Young	0600-119-1-28.2	11/10/2009	10/4/2010 C	No mylar, no C & Rs
Riverhead Charter School	Riverhead Charter School	3685 Middle Country Rd	P.W. Grosser Consulting, Inc	0600-99-02-9.1	2/13/2013		
Riverhead Dodge	Red Rock Industries, Inc.	po box 1037, Plainview, NY 11803	P.W. Grosser Consulting, Inc	0600-99-02-9.1	2/13/2013		
Riverhead Retail Center	Inheritance Development LLC	Old Country Rd. (CR 58), Riverhead	Paulus, Sokolowski&Sartor	0600-108-2-6.1			Inactive as of March 9, 2009
Saber-Riverhead LLC-Retail Shopping Center	MGHW Riverhead LLC	5600A Broadway, Bronx, New York 10463	VHB, Engineering, Surveying & Landscape Architecture, P.C.	600-119-01-07 & 23.01	11/13/2012	1/17/2013	Rcd comments on 11/21/12. 11/29/12 sent revised SWPPP to D&B. Rcvd comments on 12/13/12. 12/21/12 sent revised SWPPP to D&B. Comments from D&B 1/10/13, comments from Town 1/15 and 17/13. In constr after 1/22/13.
Sandalwood Lane Subdivision	Jeff Okula	115 Sandalwood Lane	Michael Mapes, P.E.	0600-112-1	7/18/2012		not yet approved by Resolution
Secure Store USA	Frank Palmieri	301 Jan Way, Calverton	Michael Mapes, P.E.	0600-135-2-1-22	6/20/2010	10/18/2010 c	In construction - starting winter shutdown 12-13-12 - need SWPPP insp next spring
The Shops at Riverhead	Heritage Riverhead Retail Developers LLC	420 Lexington Ave, 7th Floor New York, NY 10170	E.S. Kalogeras, P.E.	0600-101-01-p/o 03; 0600-119.00-01.00-p/o 005.001 and 006.000	7/2/2012		mylar signed. Awaiting clearing permit. 4/25/13
The Village at Jamesport	Jul-Bet Enterprises	2080 River Rd, Calverton	VHB, Eng. Surv&LA, P.C.	600-68-01-35	1/20/2011		awaiting resubmission of site plan, as well as grading and earthwork plans as per VG.

Town of Riverhead SWPPPs Received

1st SWPPP Received	Project	Owner	Address	Consultant
1/28/2022	48 Kroemer Avenue	48 Kroemer, LLC	48 Kroemer Ave	DEA Engineeringler, PE, PC
5/12/2016	84 Lumber Re-Opening	84 Lumber	1019 Route 519 Eighty Four, PA 15330	Jeffrey T. Butler, P.E., P.C.
8/15/2023	105 Pier Avenue Subdivision	Reds Adventures LLC	58 Vanderbilt Motor Parkway, Ste 100, Commack, NY 11725	Nelson and Pope
5/8/2023	203-213 East Main Street	203 Riverhead, LLC	1361 Lincoln Avenue, Suite 6, Holbrook, NY 11741	Barrett, Bonacci and Van Weele, P.C.
12/19/2022	1001 Scott Avenue, Calverton	Scotts Ave OZ LLC	155 East 55th Street, Suite 4H, NY, NY 10022	Bohler
5/15/2024	1309 OCR Automobile Dealership	DCO QOZB 1309 OCR, LLC	250 N Route 303, West Nyack, NY 10994	Phronesis Engineering
5/26/2022	1535 Route 58, LLC	1535 Route 58, LLC	1536 Route 58, LLC	DEA Engineering
12/22/2023	Manufacturers Outlet Stores	Manufacturers Outlet Stores	6 Ring Neck Ct, Wading River, NY 11901	Condon Engineering, P.C.
1/14/2016	Apple Honda	F and I Realty, LLC	1375 Old Country Road (CR 58) Riverhead, NY 11901	D. Adams, P.E., PLLC
11/1/2009	Atlantis Marine World	Atlantis Marine World LLC	431 E. Main St., Riverhead	PW Grosser Consulting
4/28/2008	Baiting Hollow Club	Rugby Recreational Group, LLC	Warner Drive, Baiting Hollow	Young & Young
3/24/2014	Baiting Hollow Club - practice area	Soundview Associates LLC	100 Club Drive, Baiting Hollow, NY 11933	L.K. McLean Associates, PC
3/14/2013	Barclay Ehrler	E&E Enterprises, Inc.	31-55 College Point Blvd., Flushing, NY 11354	D. Adams, P.E., PLLC
3/31/2023	Blackmore Farms, LLC	Blackmore Farms, LLC	425 Reeves Ave, Riverhead, NY	Araiys Design
12/17/2013	400 Burman Blvd., LLC	400 Burman Blvd., LLC	1101 Scott Ave, Calverton 11933	Michael Mapes, P.E.
3/31/2017	CAL 705, LLC	CAL 705, LLC	200 David Ct, Calverton, NY 11933	Michael Mapes, P.E.
1/4/2017	Calverton Distribution PODS	3651 Middle Country Road	Riverhead, NY 11933	R & W / Engineering, P.C.
10/3/2008	Calverton Industrial Park	Parvis Farahzad	NYS Rt. 25, Calverton	Young & Young
10/28/2021	Calverton Solar Energy Center	NextEra Energy Resources, LLC	P.O. Box 14000; Juno Beach, FL 33408-0420	L.K. McLean Ass, PC
6/27/2024	Carson Woods Cluster SubDivision	Crossroads Atlantic LLC	9 W. 57th, Ste 4500, NY NY 10019	Barrett, Bonacci&VanWheele, P.C.
3/11/2014	Central Square	John Zoumas	2050 North Country Rd, Wading River, NY 11792	VHB Engineering, Surveying and Landscape Architecture, P.C.
5/1/2017	Chernoff Building	Chernoff Realty LLC	11 East Gate La, Setauket, NY 11773	Butler Engineering
10/3/2022	Dries	William Dries	6 Ring Neck Court, WR 11901	CodyMack Engineering, P.C.
SP appvd 04	Dries Factory Outlet	William Dries and Lenora Specchio	6 Ring Neck Court, WR 11792	Martin Sendlewski
11/10/2014	Driftwood Family Farms, LLC	Driftwood Family Farms, LLC	110 North Magee St., Southampton, NY 11968	D. Adams, P.E., PLLC
3/14/2013	E&E Enterprises, Inc.	Barclay Ehrler, E&E Enterprises, Inc.	31-55 College Point Blvd., Flushing, NY 11354	Young&Young
2/10/2012	East End Eye Associates	Southold Medical Arts Building, Inc.	1333 East Main Street	CDB Design & Construction Corp.
10/26/2009	EBS Building Systems	EBS Building Systems Inc.	Scott Ave., Calverton	Jeffrey Butler, PE, PC
3/29/2022	EP Equity Holdings Four, LLC	EP Equity Holdings Four, LLC	582 Edwards Avenue, Riverhead, NY 11933	DEA Engineering

3/12/2018	Garsten Retail Center	Flora and Irwin, LLC	1780 Old Country Road (CR 58) Riverhead, NY 11901	D. Adams, PE, PLLC
6/9/2010	Gendot Associates, Inc.	Mark Mysak	450 Middle Rd., Riverhead	Young & Young
6/15/2012	Gershow Recyclilng of Riverhead, Inc. Kevin Gershowitz		71 Peconic Avenue, Medford, NY	Young & Young
12/7/2010	Great Rock Golf Course	Great Rock Golf LLC	Fairway Drive	Young & Young
	Green Fields East	Green Fields East Holding LLC	Main Rd., Aquebogue, NY	E.S. Kalogeras
12/18/2017	Hamlet Professional Center	Knightland Inc.,	6144 State Route 25A, Riverhead, NY	DEA Engineering
12/3/2012	Hampton Jitney at Calverton	Hampton Jitney Inc.	395 County Road 39A	High Point Engineering
	Henry Pollak		Sound Ave., Riverhead	
11/22/2023	HK Ventures, LLC Industrial Park	HK Ventures, LLC	147 Steamboat Road, Great Neck	Key Civil Engineering, P.C.
9/1/2010	Holly Estates	Frank Sessa	NY 25A, Wading River	Cramer Consulting Group
10/11/2022	Holly Tree Farm	Red's Adventures LLC	Holly Tree Lane, Riverhead, NY 11901	Barrett, Bonacci & Van Weele, P.C.
10/1/2015	Irwin Garsten	Garsten Realty, LLC	1375 Old Country Road (CR 58) Riverhead, NY 11901	D. Adams, PE, PLLC
10/1/2015	Irwin Garsten	Garsten Retail Center	1781 Old Country Road (CR 58) Riverhead, NY 11901	DEA Engineering
7/7/2009	Island Water Park	Island Water Park, Inc.	Rt. 25 Calverton, NY	Roux Assoc.
9/13/2021	Island Water Park	Island Water Park	Rt. 25 Calverton, NY	Cramer Consulting Group
3/20/2023	Kathy Lane, LLC	Kathy Lane, LLC	2317 Montauk Highway, Bridgehampton, NY	DEA Engineering
9/14/2011	Knightland Village	Knightland Inc.,	Sound Ave., & NYS 25A, Wading River.	
12/9/2014	Koppert Cress USA	Eddy Creses	23423 Middle Road/SC Rte 48, Cutchogue, NY 11935	E.S. Kalogeras
11/16/2009	Kristi Rose Court	Riverhead Builders Corp	Doctor's Path, Riverhead	Jeffrey Butler, PE, PC
10/28/2009	Lowes	Lowes Home Centers, Inc.	1461 Old Country Rd, Riverhead	Stantec
9/2/2008	Mastro Realty	Vincenzo Mastronardi	Youngs Avenue, Calverton	Young & Young
11/15/2011	McGann-Mercy High School	Roman Catholic Diocese of Rockville Center	50 North Park Ave, Rockville Ctr	L.K. McLean Ass, PC
6/22/2009	Metro Terminals	Metro Terminals Of Long Island, LLC	801 Scott Ave., Calverton	Michael Mapes, P.E.
10/14/2010	Metro Terminals	Metro Terminals Of Long Island, LLC	801 Scott Ave., Calverton	Michael Mapes, P.E.
7/18/2012	Metro Terminals	Metro Terminals Of Long Island, LLC	501 Scott Ave., Calverton	Michael Mapes, P.E.
9/20/2016	Middle Road Minor Subdivision	Dreamland Builders	1592 Osborne Avenue, Riverhead	Cramer Consulting Group
4/5/2016	New Jerusalen Church	New Jerusalen Church	177 Doctors Path, Riverhead, NY 11901	Joseph Perricelli, P.E.

	North Shore Country Plaza at Wading River	Maryann Stajk, Constrance Partridge, and Kathleen Condzella	616 Roanoke Avenue, Riverhead	Young & Young
11/20/2012	Northville Commerce Park	Richard Israel	185 Old Country Rd, Ste 5, Riverhead, NY	Young & Young
6/23/2015	Old Orchard at Baiting Hollow	Joseph G. Manzi Irrevocable Trust	Young's Avenue, Riverhead, NY	Butler Engineering
7/25/2013	1998 Peconic, LLC	1998 Peconic, LLC	3235 Route 112, Suite 1, Medford, NY 11763	Young & Young
3/30/2016	Peconic Care	EBDK at Calverton, LLC	67 Clinton Rd, Garden City, NY 11530	Cameron Engineering & Associates, LLP
4/23/2024	Peconic Equities		61 Main Rd. (SR 25), Riverhead, NY 11901	Key Civil Engineering
11/10/2009	Peconic Iron Works	EBS Building Systems Inc.	168 Kroemer Ave., Riverhead	Young & Young
3/25/2021/9/24/21	Pulaski St. Reallty Co., LLC	Pulaski St. Reallty Co., LLC	817 Pulaski St., Riverhead	DEA Engineering
	6333 Realty Group - Proposed Veterinarian Hospital and Retail/Office Buildings	George DuBato	1 Orange Ct, Mount Sinai, NY 11766	Richard Searles Architect
6/26/2019	Real Life Church	Real Life Church	29 Dog Wood Drive, Wading River, NY 11792	Robert W. de Bruin, P.E.
7/9/2013	Redwood Farm	Kenneth Kaufold	27 Stern Ct, Farmingdale, 11735	Robert Manniello
3/9/2018	Riverhead Buick GMC/Riverhead Ford	L.S. Family Limited Partnership	1419 Old Country Road, Riverhead, NY 11901	Land Use Ecological Analysts LLC
2/13/2013	Riverhead Charter School	Riverhead Charter School	3685 Middle Country Rd	P.W. Grosser Consulting, Inc
1/23/2019, 11/1/19	Riverhead Islamic Center	Mohammed Iqbal	751 Harrison Ave, Riverhead	Brian Fisher
12/13/2017	Riverhead Commons	Richard Israel	780 Old Country Rd (CR 58), Riverhead, NY	DEA Engineering
3/13/2020	Riverhead Dodge	Mary Ellen Real Estate Company LLC	642 w main st, riverhead, ny	Petracca Design and Engineering, P.C.
3/18/2009	Riverhead Retail Center	Inheritance Development LLC	Old Country Rd. (CR 58), Riverhead	Paulus, Sokolowski&Sartor
1/20/2022	Riverhead Solar 2	Riverhead Solar 2, LLC	Middle Country Rd. (CR 58), Riverhead	Kimley-Horn
10/27/2008	Rt. 58 LLC Bowling Alley	Joe Abanese	96 Man Rd, Riverhead	Allen Glenn Bernard, P.E., P.C.
11/13/2012	Saber-Riverhead LLC-Retail Shopping Center	MGHW Riverhead LLC	5600A Broadway, Bronx, New York 10463	VHB, Engineering, Surveying & Landscape Architecture, P.C.
7/18/2012	Sandalwood Lane Subdivision	Jeff Okula	115 Sandalwood Lane	Michael Mapes, P.E.
2/2/2024	Sandy Pond Links, LLC	Sandy Pond Links, LLC	Roanoke Ave., Riverhead	Young & Young
4/21/2008	Schenck Fuels- Calverton	Schenck Quick Stop, LLC	3705 Middle Country Rd, Calverton	SWPPP Consultant
11/28/2017	Schwing Electrical Supply Corp.	PBJ Reality LLC	122 Allen Blvd. Farmingdale	L.K. McLean Associates, PC

12/9/2022	Sea Crest Estates	The Villas at Roanoke, LLC	PO Box 534, Wading River, NY 11792	DEA Engineering
6/20/2010	Secure Store USA	Frank Palmieri	301 Jan Way, Calverton	Michael Mapes, P.E.
4/30/2014	Serendipity Farm	Serendipity Farm LLC	69 Kerry Court, Riverhead	Butler Engineering
7/2/2012	The Shops at Riverhead	Heritage Riverhead Retail Developers LLC	420 Lexington Ave, 7th Floor New York, NY 10170	E.S. Kalogeras, P.E.
3/23/2015	Splish Splash Water Park, Proposed Catering Area	Splish Splash/Festival Fun Parks LLC	2549 Splish Splash Drive, Calverton, NY 11933	H2M Architects + Engineers
7/7/2018	sPower Calverton	sPower	2 Embarcadero Center, Ste 410 San Fancisco, CA 94111	VHB, Engineering, Surveying & Landscape Architecture, P.C.
6/26/2014	sPower - Riverhead	sPower	2 Embarcadero Center, Ste 410 San Fancisco, CA 94111	VHB, Engineering, Surveying & Landscape Architecture, P.C.
6/26/2014	STR Systems NY, LLC	STR Systems NY, LLC	75 Vassar Rd., Poughkeepsie, NY 12603	Young & Young
4/26/2022	Tosini Riverhead	Inheritance Development LLC	1601 Veterans Memorial Highway Suite 315	Phronesis Engineering
12/5/2023	ToR LF Solar Farm	CVE US NY Riverhead 215 LLC	109 W 27th St, 8th Floor	TRC Engineers, Inc.
5/7/2018	Tractor Supply Co.-Calverton	Nerp Holding & Acquisitions Company, LLC	4331 Middle Country Rd., Calverton, NY 11933	Bohler Engineering
7/7/2015	TRW Properties, LLC	TRW Properties, LLC	1800 Old Country Rd (CR 58)	D. Adams, P.E., PLLC
11/2/2017	Twin Fork Beer Company, Raynor Avenue	Twin Fork Beer Company	Raynor Avenue, Riverhead	Cramer Consulting Group
1/20/2010	Van Der Wetering Nursery	Walter Gravagna	5784 Sound Ave., Jamesport	Jeffrey Butler, PE, PC
1/20/2011	The Village at Jamesport	Jul-Bet Enterprises	2080 River Rd, Calverton	VHB, Eng, Surv&LA, P.C.
2/8/2017	The Vistas of Baiting Hollow	Knolls at Fox Hill, Inc.	377 Oak Street, Garden City, NY 11560	Barrett, Bonacci & Van Weele, P.C.
6/17/2014	Zwanger-Pesiri Radiology Office	1049 Osborne, LLC	150 E. Sunrise Hwy, Lindenhurst, NY 11757	Barrett, Bonacci & Van Weele, P.C.

Current as of November 16, 2012

SCTM NO.	MS4 Acceptance	Status	Acs	Initial Review Hours	Total Review Hours	
600-119-1-32.1			9.8	11	32	
600-118-4-10	8/1/3016		5.5			64
600-129-1-17			1.4			
600-8-3-1.4			3			
600-135.10-1-1			10			
600-122-2-2.1			2.1			
600-101-2-12.6	8/1/2023		1.4			
600-118-3-7			4.2			
600-108-2-8	.		19.96			64
0600-129-3-31	6/8/2010	Completed - NOT not filed	3.5	25	52.5	57.5
600-40-2-6.3 P/O 10	DEC	Completed	41.6			52.5
600-40-2-10.3	4/21/2014	Completed - NOT not filed	5.8			52.5
600-119-1-36	11/25/2015		1.7			64
600-63-2-7			114.3			64
600-135.2-1-24	8/16/2016		10.8			
135.1-1-9	11/20/2017		5			33.5
117-2-9.2			32.2			33.5
600-117-2-9.2	DEC		32.2			33.5
0600-136-1-2	10/29/2021		32.2			33.5
0600-69-1-11	10/29/2021		32.2			33.5
0600-75-3-4	3/28/2014		17.823			32
85-3-8&12.7			1.8			33.5
0600-118-3-7			4.1			28.75
0600-118-3-7	11/9/2009	Site plan approved in 2004, swppp not rqd				28.75
0600-117-1-3	12/4/2014		2.8			28.75
0600-119-01-36			1.57	4.5	9.5	20
0600-131-1-3	10/24/2012	Sent SWPPP fee letter out 1/28/13	1.6653			
0600-135-1-1-1	11/9/2009	Bldg Permits in place no const.	10	4.5	4.5	20
0600-117-2-2.7	10/20/2022		3.9			

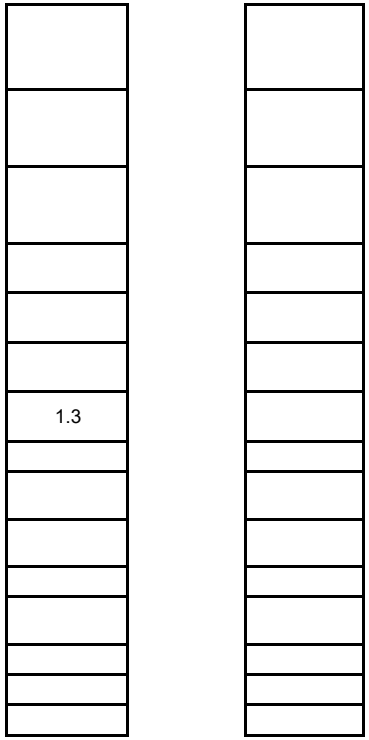
600-108-2-6.2			12.1	Thomas Berglin	168 Kroemer Ave., Riverhead	Young & Your
0600-82-4-221.12	12/21/2010	**CLOSED - 12/20/23**	10	4	15.75	16
0600-131-1-2.2	7/23/2012		3.49			15.75
0600-57-1-1.31	2/16/2011	Permits	1.3	8.5	16	15.25
0600-085-3-1.8		Planning to send inactive letter Dec 2012	3.9	6	9.5	9.5
0600-75-1-3	11/30/2018		6			
0600-117-01-8.6	2/27/2013		13.9			
0600-17-4-1.1						7.5
0600-116-1-2			30.3			
0600-76-2-3.0	10/18/2010		6	6.5	7.5	4.5
69-3-8, 19, 62	12/12/2022		13			median hrs/rvw
600-108-2-21.1	12/8/2015		2.4	Thomas Berglin	168 Kroemer Ave., Riverhead	Young & Your
600-101-2-6.2	10/24/2018		12.1	Thomas Berglin	168 Kroemer Ave., Riverhead	Young & Your
0600-135-1-7.34		Closed	41.9	20	20	
0600-135-1-7.34			41.9	20	20	
600-84-2-2.1	8/1/2023		12.9	20	20	
0600-75-2-(4; 11.3; 12.1; 13.2) & 0600-76-1-3.2	12/6/2011	Permits	6	16.75	28.75	
0600-041-02-5.5			51.1	16.75	28.75	
0600-65-01-04	7/22/2011	Permits	9.8	11	32	
0600-101-2-15.6/0600-125-1-1/0600-125	5/14/2010 C	Completed	17.5	23	64	
600-80-01-12.7	DEC	Subdivision Complete	40.1			
0600-82-03-06	10/1/2012		23.2	16		
0600-135.2-1-2	10/23/2009	phase II MS4 Accp 12/23/10 under construction	12.2	6	39.5	
0600-135.2-1-2&8.2	12/23/2010	Under construction				
0600-135.2-1-7SP			4.034	2.5		
0600-82-3-14		closed 1-26-18 - Waiver	4.034	2.5		
0600-84-3-26.1	11/8/2017		9.7			

0600-75-1-1.2			4.1			
0600-84-4-28	2/28/2013		3.8			
0600-80-02-2.1	3/30/2016		51.3			
117-2-28	8/7/2013		3.628			
135-1-7.56 & 7.002	1/10/2017		39.836			
600-85-1-8.1			3.35			
0600-119-1-28.2	10/4/2010 C	Permits	2.8	39	57.5	
0600-124-2-24	9/19/2022		3.5			
0600-073-1-1.15		Waiting on a SP resubmission before SWPPP subm	1.3372			
0600-72-02-7 and 8			2			
0600-58-02-P/O 13.1 & P/O 14			39			
600-108-2-17.1 19.1; 125-1-3.1	10/1/2018		5.981			
0600-99-02-9.1			5.981			
0600-102-3-21 and 22			1.2			
0600-82-3-17			14			
101.-1-10.21			3.92			
0600-108-2-6.1		Inactive as of March 9, 2009	1.3			
600-117-2-4.1, 600-117-2-7.2, 600-117-2-8.2, 600-117-1-6, 600-116-2-7.4, 600-136-1-1, 600-116-2-3, 600-116-2-2, 600-116-2-1.1, 600-98-1-2	12/20/2022		96.4			
600-85-1-5	11/7/2008	Developer bankrupt	6.2			
600-119-01-07 & 23.01	1/17/2013	Construction to begin after 1/22/13	13.193			
0600-112-1	8/7/2012		3			
	3/11/24 Waiver Request Granted					
0600-85-1-5	6/20/2008	completed	1.8			
600-105-1-18.1			2.3			52.5

600-8-2-4	2/13/2023		11.1			
0600-135-2-1-22			4.8	8	33.5	
600-81-01-20.5 & 20.4	5/7/2014		17			
0600-101-01-p/o 03; 0600-119.00-01.00-p/o 005.001 and 006.000	2/28/2013		41.55			
600-118-01-4.1			2.6			
600-116-1-7.2 and 600-98-1-21.1			113.9			
0600-137-1-32.1	10/3/2014		45.1			
600-117-2-9.2	9/25/2014		32.2	#REF!	#REF!	
600-108-2-6.001	10/20/2022		1.78			
600-80-2-6.001	5/9/2024		69.9			
600-116-1-1	12/3/2018		5.2			
600-119-1-5.5	9/3/2015		6.7			
0600-108-02-12		closed 1-25-18	2.097	2.5		
0600-09-02-11	2/23/2010	Phase I Completed	34	15.25	15.25	20
600-68-01-35						
600-40-5-6.1		Closed 4/18/23	8.1			
0600-108-2-9			2.4			median hrs/rvw
			175.528	#REF!	#REF!	
			12.53771429	#REF!	#REF!	avg hrs/rvw
			acs/site avg	#REF!		
				avg hrs/1st rvw		
				hrs/ac/1st rvw		

acs/site	
41.9	39
41.6	25
2.8	
40.1	23
40.1	23
34	20
32.2	16.75
32.2	16.75
40.1	23
40.1	23
17.5	11
17.5	11
17.5	11
17.5	11
17.5	11
17.5	11
12.2	8.5
17.5	11
10	8
10	8
10	8
10	6.5
10	6.5

0600-119-1-2	11/10/2009	
	9.8	6
	6.2	6
	6	4.5
	6	4
	4.8	
	3.9	
	6.2	median acs/site
0600-119-1-2	11/10/2009	median hrs/initial rvw
0600-119-1-2	11/10/2009	
	3.9	
	3.9	
	3.9	
	3.5	
	3.5	
	2.8	
	1.8	
	1.3372	
	1.3	
	1.3	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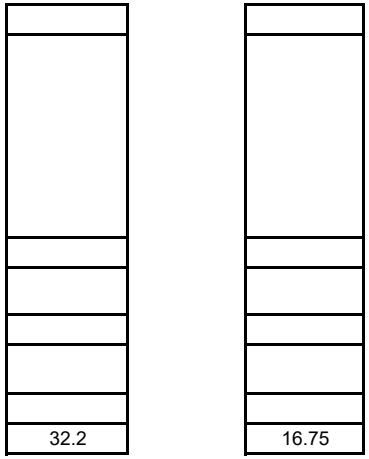
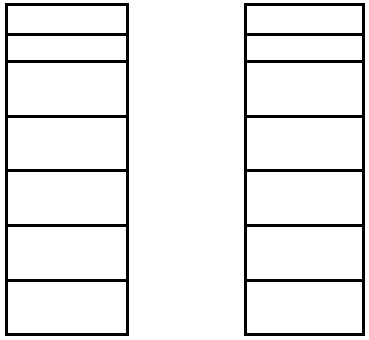
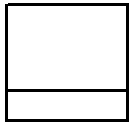
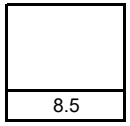

32.2

16.75







6.2 median acs/site

median hrs/initial rvw

61 Main Road Riverhead		
ADDRESS	61 Main Road, Riverhead, NY 11901	
SCTM NO.	0600-85-1-8.001	
OWNER	Peconic Equities	
DEVELOPER	Peconic Equities	**Name of Contact** .
		Contact No. .
SWPPP Consultant		**Name of Contact** .
.		**Contact No.** .
DATE SWPPP SUBMITTED (Request for waiver 6/27/24)	.	
SWPPP FEE	$6,000 6/28/24	
Area of Land (acres)	. Acres	

TOR REVISION LETTERS DATED	**CONSULTANT REVISION LETTER DATE**
Reviewer: D&B	
No. Date	
1 …..	
2	
3	
4	

TOR Issued MS4 Acceptance Date .

Contractor Name

Start of Work Date:

TOR Inspections

Date	Letter	Violations	Addressed (Y/N)

Notes:

84 Lumber Re-Opening			
ADDRESS	1751 West Main Street		
SCTM NO.	0600-18-04-10		
OWNER	84 Lumber Company		
DEVELOPER		**Name of Contact**	Jim Zaunick
		Contact No.	
SWPPP Consultant		**Name of Contact**	Jeff Butler
Jeffrey T. Butler, P.E., P.C.		**Contact No.**	631-208-8850
DATE SWPPP SUBMITTED	5/12/2016		
SWPPP FEE	$3,500.00		
Area of Land (acres)	5.5 Acres		

TOR REVISION LETTERS DATED		**CONSULTANT REVISION LETTER DATE**
Reviewer:	**D&B**	
No.	Date	
1	6/3/2106	6/12/2016
2	7/6/2016	8/9/2016
3	8/30/2016	
4		

TOR Issued MS4 Acceptance Date 8/30/2016

Contractor Name

Start of Work Date:

TOR Inspections

Date	Letter	Violations	Addressed (Y/N)

Notes:

105 Pier Avenue Subdivision			
ADDRESS	105 Pier Avenue, Riverhead		
SCTM NO.	0600-8-3-1.4		
OWNER	Reds Adventures LLC		
DEVELOPER	Reds Adventures LLC	**Name of Contact**	Vincent Calvosa
		Contact No.	631-563-2551
SWPPP Consultant		**Name of Contact**	Andrew Stolzenberg
Barrett, Bonacci and Van Weele, P.C.		**Contact No.**	631-435-1111
DATE SWPPP SUBMITTED	8/15/23 email		
SWPPP FEE	$3,500, 8/17/2023		
Area of Land (acres)	3 Acres		

TOR REVISION LETTERS DATED		**CONSULTANT REVISION LETTER DATE**
Reviewer:		
No.	Date	
1	8/31/2023	9/15/2023
2	10/23/2023	
3		
4		
5		

TOR Issued MS4 Acceptance Date

Contractor Name

Start of Work Date:

TOR Inspections

Date	Letter	Violations (Y/N)	Addressed (Y/N)

Notes:

817 Pulaski St. Realty Co., LLC			
ADDRESS	817 Pulaski St.		
SCTM NO.	0600-124-2-24		
OWNER	817 Pulaski St. Realty Co., LLC		
DEVELOPER	817 Pulaski St. Realty Co., LLC	**Name of Contact**	Frank Fineo
		Contact No.	516-641-5798
SWPPP Consultant		**Name of Contact**	Doug Adams
DEA Engineering		**Contact No.**	631-727-2303
DATE SWPPP SUBMITTED	3/25/2021		
	9/24/21 email		
SWPPP FEE	$6,000.00		
Area of Land (acres)	3.5 Acres		

TOR REVISION LETTERS DATED		**CONSULTANT REVISION LETTER DATE**
Reviewer:		
No.	Date	
1	10/15/2021	3/7/2022
2	3/21/2022	5/22/2022
3	6/6/2022	9/19/2022
4	9/19/2022	
5		

TOR Issued MS4 Acceptance Date 9/19/2022

Contractor Name

Start of Work Date:

TOR Inspections

Date	Letter	Violations (Y/N)	Addressed (Y/N)

Notes:

203-213 East Main Street			
ADDRESS	203-213 Main Street		
SCTM NO.	0600-129-1-17		
OWNER	203 Riverhead, LLC		
DEVELOPER	203 Riverhead, LLC	**Name of Contact**	Sean Sallie
		Contact No.	631-775-2277
SWPPP Consultant		**Name of Contact**	Chris, Voorhis
Nelson and Pope		**Contact No.**	631-427-5665
DATE SWPPP SUBMITTED	5/8/23 email		
SWPPP FEE	$6,000.00	5/15/2023	
Area of Land (acres)	1.4 Acres		

TOR REVISION LETTERS DATED		**CONSULTANT REVISION LETTER DATE**
Reviewer:		
No.	Date	
1	5/26/2023	6/20/2023
2	7/10/2023	7/26/2023
3		
4		
5		

TOR Issued MS4 Acceptance Date
Contractor Name
Start of Work Date:

TOR Inspections			
Date	Letter	Violations (Y/N)	Addressed (Y/N)

Notes:

1001 Scott Avenue, Calverton			
ADDRESS	1001 Scott Avenue, Calverton, NY 11933		
SCTM NO.	600-135.10-1-1		
OWNER	Scotts Ave OZ LLC		
DEVELOPER		**Name of Contact**	David Shorenstein
Scotts Ave OZ LLC		**Contact No.**	646-690-1111
SWPPP Consultant		**Name of Contact**	Joseph Deal, P.E.
DEA Engineering		**Contact No.**	631-738-1200
DATE SWPPP SUBMITTED	12/19/2022		
SWPPP FEE	$6,000.00		
Area of Land (acres)	10 Acres		

TOR REVISION LETTERS DATED		**CONSULTANT REVISION LETTER DATE**
Reviewer:	**D&B**	
No.	Date	
1	1/5/2023	4/12/2024
2	4/25/2024	
3		
4		
5		

TOR Issued MS4 Acceptance Date

Contractor Name

Start of Work Date:

TOR Inspections

Date	Letter	Violations	Addressed (Y/N)

Notes:

1309 OCR Automobile Dealership			
ADDRESS	1309 Old Country Road, Riverhead, NY 11901		
SCTM NO.	600-122-2-2.1		
OWNER	DCO QOZB		
DEVELOPER		**Name of Contact**	
DCO QOZB		**Contact No.**	8453203100
SWPPP Consultant		**Name of Contact**	Anthony Stancanelli
Phronesis Engineering		**Contact No.**	6317507105
DATE SWPPP SUBMITTED	5/15/2024		
SWPPP FEE	$6,000.00		
Area of Land (acres)	2.1 Acres		

TOR REVISION LETTERS DATED	**CONSULTANT REVISION LETTER DATE**
Reviewer: **D&B**	
No. Date	
1	
2	
3	
4	
5	

TOR Issued MS4 Acceptance Date

Contractor Name

Start of Work Date:

TOR Inspections

Date	Letter	Violations	Addressed (Y/N)

Notes:

1535 Route 58, LLC			
ADDRESS	1535 Route 58, LLC		
SCTM NO.	600-101-2-12.6		
OWNER	48 Kroemer, LLC		
DEVELOPER		**Name of Contact**	Raymond Castronovo
1535 Route 58, LLC		**Contact No.**	516 810 0900
SWPPP Consultant		**Name of Contact**	Douglas Adams
DEA Engineering		**Contact No.**	631-774-3521
DATE SWPPP SUBMITTED	5/26/2022		
SWPPP FEE	$6,000.00	5/26/2022	
Area of Land (acres)	1.4	Acres	

TOR REVISION LETTERS DATED		**CONSULTANT REVISION LETTER DATE**
Reviewer:	**D&B**	
No.	Date	
1	6/9/2022	12/8/2022
2	12/28/2022	
3	1/19/2023 (DEC ruling)	1/31/2023
4		7/18/2023
5		
TOR Issued MS4 Acceptance Date		8/1/2023

Contractor Name

Start of Work Date:

TOR Inspections

Date	Letter	Violations	Addressed (Y/N)

Notes:

4285 Middle Country Road, Calverton			
ADDRESS	4285 Middle Country Road, Calverton, NY 11933		
SCTM NO.	600-116-1-2		
OWNER	HK Ventures, LLC		
DEVELOPER		**Name of Contact**	Scott Johns
		Contact No.	516 855 7268
SWPPP Consultant		**Name of Contact**	Jaclyn Peranteau
Key Civil Engineering, P.C.		**Contact No.**	631-774-3521
DATE SWPPP SUBMITTED	11/22/2023		
SWPPP FEE	$6,000.00		
Area of Land (acres)	30.3 Acres		

TOR REVISION LETTERS DATED	**CONSULTANT REVISION LETTER DATE**
Reviewer: **D&B**	
No. Date	
1	
2	
3	
4	
5	

TOR Issued MS4 Acceptance Date

Contractor Name

Start of Work Date:

TOR Inspections

Date	Letter	Violations	Addressed (Y/N)

Notes:

Apple Honda			
ADDRESS	1375 Old Country Road (CR 58)		
SCTM NO.	0600-108-2-8		
OWNER	F and I Realty, LLC		
DEVELOPER		**Name of Contact**	Irwin Garsten
		Contact No.	631-727-0555
SWPPP Consultant		**Name of Contact**	Doug Adams
D. Adams, PE, PLLC		**Contact No.**	631-727-2303
DATE SWPPP SUBMITTED	1/14/2016		
SWPPP FEE	$3,500.00		
Area of Land (acres)	3.1 Acres		

TOR REVISION LETTERS DATED		**CONSULTANT REVISION LETTER DATE**
Reviewer:	**CF/DD**	
No.	Date	
1	2/8/2016	2/24/2016
2	3/14/2016	
3		
4		

TOR Issued MS4 Acceptance Date 3/14/2016

Contractor Name

Start of Work Date:

TOR Inspections

Date	Letter	Violations	Addressed (Y/N)
9/8/2016	Y	N	
3/22/2019	y	n	

Notes:

Atlantis Marine World LLC			
ADDRESS	431 East Main Street, Riverhead NY 11901		
SCTM NO.	0600-129-3-31		
OWNER	Atlantis Marine World LLC		
DEVELOPER		**Name of Contact**	Jim Bissett
		Contact No.	631-208-9200
SWPPP Consultant		**Name of Contact**	Rich Zapolski
PW Grosser Consulting		**Contact No.**	631-589-6353
DATE SWPPP SUBMITTED	11/1/2009		
SWPPP FEE	$880.50		
Area of Land (acres)	3.5 Acres		

TOR REVISION LETTERS DATED	**CONSULTANT REVISION LETTER DATE**
Reviewer:	
No. Date	
1 2/22/2010	
2 5/10/2010	
3 5/20/2010	
4 5/24/2010	
TOR Issued MS4 Acceptance Date	6/8/2010

Contractor Name	Petrocelli Contracting Inc.
Start of Work Date:	

TOR Inspections

Date	Letter	Violations	Addressed (Y/N)
7/30/2010	y	y	y
8/9/2010	y	y	y
8/12/2010	y	y	y
8/25/2010	y	y	y

Notes:

10/22/2009	TOR Ltr to Atlantis requiring SWPPP
1/29/2009	Planning Memo
6/26/2009	Site Plan Memo

BAITING HOLLOW CLUB			
ADDRESS	Fox Hill Drive, Baiting Hollow, NY		
SCTM NO.	600-040-02-10.3		
OWNER	Soundview Associates, LLC		
DEVELOPER		**Name of Contact**	
Case Creek Nursery		**Contact No.**	631-722-3093
SWPPP Consultant	L.K. McLean Associates, LLC	**Name of Contact**	Raymond DiBiase
		Contact No.	
DATE SWPPP SUBMITTED	3/24/2014	631-286-8668	
SWPPP FEE	N/A		
Area of Land (acres)	5.8 Acres		

TOR REVISION LETTERS DATED	**CONSULTANT REVISION LETTER DATE**
Reviewer: D&B	
No. Date	
1 4/3/2014	4/8/2014
4/18/2014	9/26/2014

TOR Issued MS4 Acceptance Date
4/21/2014

Contractor Name
Start of Work Date:

TOR Inspections

Date	Letter	Violations (Y/N)	Addressed (Y/N)
5/29/2014	5/1/2014	N	
7/10/2014	7/11/2014	N	

Notes: Closed 8/25/14

BAITING HOLLOW CLUB			
ADDRESS	Warner Drive, Baiting Hollow, NY		
SCTM NO.	600-40-2-6.3 P/O 10		
OWNER	Rugby Recreational Group, LLC		
DEVELOPER	same	**Name of Contact**	Barry Beil
		Contact No.	631-369-4455
SWPPP Consultant	Young & Young	**Name of Contact**	T. Wolpert
		Contact No.	
DATE SWPPP SUBMITTED	4/28/2008	Y&Y sumbitted to TOR; stated report prepared 11/28/2007	
SWPPP FEE	N/A		
Area of Land (acres)	41.5948 Acres		

TOR REVISION LETTERS DATED	**CONSULTANT REVISION LETTER DATE**
Reviewer: **Christine Fetten**	
No. Date	
1 5/9/2008	5/20/2008

TOR Issued MS4 Acceptance Date N/A - See note below; DEC had jurisdication

Contractor Name

Start of Work Date:

TOR Inspections

Date	Letter	Violations (Y/N)	Addressed (Y/N)

Notes:

Y&Y submitted NOI to DEC 10/24/2007 which pre-dates our code provision

Barclay Ehrler			
ADDRESS	1661-123 Old Country Rd, Riverhead, NY 11901		
SCTM NO.	0600-119-01-36		
OWNER	E&E Enterprises, Inc.		
DEVELOPER		**Name of Contact**	E&E Enterp
E&E Enterprises, Inc.		**Contact No.**	718-886-22
SWPPP Consultant		**Name of Contact**	Salvatore Capitano
Doug Adams P.E., PLLC		**Contact No.**	631-774-35
DATE SWPPP SUBMITTED	3/14/2013		
SWPPP FEE	$3,500.00		
Area of Land (acres)	1.6653 Acres		

TOR REVISION LETTERS DATED	**CONSULTANT REVISION LETTER D**
Reviewer:	
No. Date	
1 4/3/2013	10/7/2015
2 10/26/2015	11/10/2015
3 11/25/2015	
	4/28/2020
8/7/2020 (rev swppp accepted)	
TOR Issued MS4 Acceptance Date 11/25/2015	

Contractor Name

Start of Work Date:

TOR Inspections

Date	Letter	Violations (Y/I	Addressed (Y/N)
3/28/2018	y	y	n
4/12/2018	y	y	n

Notes: 1/28/13 TOR SWPPP Review Fee Letter Issued

prises, Inc.
222

521

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Blackman Plumbing Supply Co., Inc.			
ADDRESS	SR 25, Riverhead		
SCTM NO.	0600-124-3-(1 thru 5)		
OWNER	Richar Corp = Blackman Plumbing Supply Co.		
DEVELOPER		**Name of Contact**	Gene Spivak
		Contact No.	
SWPPP Consultant		**Name of Contact**	T. Wolpert
		Contact No.	631-727-2303
DATE SWPPP SUBMITTED			
SWPPP FEE	$587.00		
Area of Land (acres)	3.87 Acres		

TOR REVISION LETTERS DATED	**CONSULTANT REVISION LETTER DATE**
Reviewer:	
No. Date	
1	
2	
3	
4	
5	

TOR Issued MS4 Acceptance Date

Contractor Name

Start of Work Date:

TOR Inspections

Date	Letter	Violations (Y/N)	Addressed (Y/N)

Notes:

2/4/2010 TOR Planning Dept. Site Plan Checklist

3/8/2010 TOR Planning Dept. Staffing Report

3/8/2010 TOR Eng/SMO Ltr to Blackman project reqs SWPPP & FEE

3/9/2010 TOR Eng/SMO Ltr to Blackman Must Stabilize demolition sites and submit SWPPP

3/16/2010 TOR Planning Dept. Site Plan Memo

Blackmore Farms, LLC			
ADDRESS	425 Reeves Avenue		
SCTM NO.	0600-63-2-7		
OWNER	Blackmore Farms, LLC		
DEVELOPER		**Name of Contact**	
		Contact No.	
SWPPP Consultant	Araiys Design	**Name of Contact**	Grant Anderson, RLA
		Contact No.	631-283-1131
DATE SWPPP SUBMITTED 3/31/2023			
SWPPP FEE	$3,500.00		
Area of Land (acres)	4.42 Acres		

TOR REVISION LETTERS DATED	**CONSULTANT REVISION LETTER DATE**
Reviewer:	
No. Date	
1	
2	
3	
4	
5	

TOR Issued MS4 Acceptance Date

Contractor Name

Start of Work Date:

TOR Inspections

Date	Letter	Violations (Y/N)	Addressed (Y/N)

Notes:

400 Burman Blvd., LLC			
ADDRESS	400 Burman Blvd., Calverton, NY 11933		
SCTM NO.	0600-135.2-1-24		
OWNER	400 Burman Blvd., LLC		
DEVELOPER		**Name of Contact**	Tim Stevens
Tim Stevens		**Contact No.**	631-208-3500
SWPPP Consultant		**Name of Contact**	Michael Mapes, P.E.
Michael Mapes, P.E.		**Contact No.**	631-369-2170
DATE SWPPP SUBMITTED	12/17/2013		
SWPPP FEE	$3,500.00		
Area of Land (acres)	10.8 Acres		

TOR REVISION LETTERS DATED		**CONSULTANT REVISION LETTER DATE**
Reviewer:		
No.	Date	
1	1/9/2014	5/19/2016
2	6/9/2016	6/27/2016
3	7/13/2016	7/27/2016
4	8/11/2016	8/12/2016
5	8/16/2016	6/16/2017

TOR Issued MS4 Acceptance Date 8/16/2016

Contractor Name

Start of Work Date:

TOR Inspections

Date	Letter	Violations (Y/N	Addressed (Y/N)

Notes: 1/28/13 TOR SWPPP Review Fee Letter Issued

	CAL 705, LLC		
ADDRESS	200 David Ct, Calverton, NY 11933		
SCTM NO.	135.1-1-9		
OWNER	CAL 705, LLC		
DEVELOPER	**Michael Mapes, P.E.**	**Name of Contact**	
		Contact No.	
SWPPP Consultant		**Name of Contact**	Michael Ma
		Contact No.	631-369-2
DATE SWPPP SUBMITTED	3/31/2017		
SWPPP FEE	$3,500		
Area of Land (acres)	5 Acres		

TOR REVISION LETTERS DATED		**CONSULTANT REVISION LETTE**	
Reviewer:	**D&B**		
No.	Date		
1	4/19/2017	6/7/2017	
2	6/21/2017	7/18/2017	
3	10/20/2017	11/14/2017	
4	11/20/2017		

TOR Issued MS4 Acceptance Date

11/20/2017

Contractor Name

Start of Work Date:

TOR Inspections

Date	Letter	Violations (Y/N)	Addressed (Y/N)

Notes:

apes, P.E.
170

R DATE

Calverton Distribution PODS			
ADDRESS	3651 Middle Country Road		
SCTM NO.	117-2-9.2		
OWNER	Calverton Distribution Route 25 LLC		
DEVELOPER **West Rac Contracting Inc.**	**Inc.**	**Name of Contact**	
		Contact No.	
SWPPP Consultant **R & W / Engineers, P.C.**		**Name of Contact**	Michael Wi
		Contact No.	631-969-85
DATE SWPPP SUBMITTED	1/3/2017		
SWPPP FEE	$3,500		
Area of Land (acres)	32.2 Acres		

TOR REVISION LETTERS DATED		**CONSULTANT REVISION LETT**
Reviewer:	**D&B**	
No.	Date	
1	1/19/2017	2/7/2017
2	2/28/2017	3/31/2017
	4/15/2017	5/10/2018

TOR Issued MS4 Acceptance Date	5/10/2018

Contractor Name	Condos Brothers Construction Corp.
Start of Work Date:	Jul-17

TOR Inspections

Date	Letter	Violations (Y/N)	Addressed (Y/N)

Notes:

illiams
535

ER DATE

Calverton Industrial Park			
ADDRESS	Middle Country Road (NYS Rte 25)		
SCTM NO.	600-117-2-9.2		
OWNER	Calverton Industrial Park		
DEVELOPER		**Name of Contact**	Parvis Farahzad
		Contact No.	631-689-1985
SWPPP Consultant	Young & Young	**Name of Contact**	Douglas Adams
		Contact No.	631-727-2303
DATE SWPPP SUBMITTED	9/29/2008	Date received - Y&Y stated this prepared 8/8/2008	
SWPPP FEE	N/A		
Area of Land (acres)	32.16 Acres		

TOR REVISION LETTERS DATED			**CONSULTANT REVISION LETTER DATE**
Reviewer:	**Christine Fetten/Drew Dillingham**		
No.	Date		
1	10/3/2008	CF	No response
2	12/8/2010	DD - Stating no response from No. 1	

TOR Issued MS4 Acceptance Date N/A, DEC Jurisdiction - construction in proce

Contractor Name

Start of Work Date:

TOR Inspections

Date	Letter	Violations (Y/N)	Addressed (Y/N)

Notes:

Other correspondance in file

3/6/2008 TOR Planning Board - Approves site plan for park - resolution 20

4/3/2008 TOR Building Department

10/22/2008 NYSDEC Acknowledgement of Notice of Intent NYR 10Q522

Calverton Solar Energy Center			
ADDRESS	2720 River Road, Calverton, NY 11933		
SCTM NO.	600-136-1-2		
OWNER	NextEra Energy Resources, LLC		
DEVELOPER	Elecnor Hawkeye, LLC	**Name of Contact**	
		Contact No.	
SWPPP Consultant	L.K. McLean Associates, P.C.	**Name of Contact**	Raymond DiBiase
		Contact No.	631-286-8668
DATE SWPPP SUBMITTED	11/9/2020		
SWPPP FEE	$6,000		
Area of Land (acres)	115.2 Acres		

TOR REVISION LETTERS DATED		**CONSULTANT REVISION LETTER DATE**
Reviewer:		
No.	Date	
1	11/25/2020	12/30/2020
2	1/19/2021	5/24/2021
3	6/10/2021	6/25/2021
4	7/12/2021	7/13/2021
5	7/14/2021	
TOR Issued MS4 Acceptance Date	7/14/2021	

Contractor Name

Start of Work Date:

TOR Inspections

Date	Letter	Violations (Y/N)	Addressed (Y/N)
6/29/2023	Y	N	

Notes:

Carson Woods Cluster Subdivision			
ADDRESS	Northwest of Ziemacki Ln and Northeast of Fox Lane jamesport		
SCTM NO.	600-69-1-11		
OWNER	Crossroads Atlantic LLC		
DEVELOPER	Crossroads Atlantic LLC	**Name of Contact**	Martin D. Finnegan
		Contact No.	631-315-6070
SWPPP Consultant	Barrett, Bonacci&Van Weele, P.C.	**Name of Contact**	Andrew Stolzenberg
		Contact No.	631-435-1111
DATE SWPPP SUBMITTED	. 6/27/2024		
SWPPP FEE	$6,000	6/27/2024	
Area of Land (acres)	19.96	Acres	

TOR REVISION LETTERS DATED		**CONSULTANT REVISION LETTER DATE**
Reviewer:		
No.	Date	
1	.	.
2	.	..
3	.	.
4	.	.
5	.	
TOR Issued MS4 Acceptance Date	.	

Contractor Name			
Start of Work Date:			
TOR Inspections			
Date	Letter	Violations (Y/N)	Addressed (Y/N)
.	.	.	

Notes:

Central Square			
ADDRESS	NYS Rt. 25, Wading River, NY 11792		
SCTM NO.	0600-75-3-4		
OWNER	John Zoumas		
DEVELOPER	John Zoumas	**Name of Contact**	John Zoumas
		Contact No.	516-903-8942
SWPPP Consultant VHB Engineering, Surveying and Landcape Architecture, P.C.		**Name of Contact**	Daniel Winkelman, PE
		Contact No.	(631) 234-3444
DATE SWPPP SUBMITTED	3/11/2014		
SWPPP FEE	$3,500.00		
Area of Land (acres)	17.823 Acres		

TOR REVISION LETTERS DATED		**CONSULTANT REVISION LETTER DATE**
Reviewer:		
No.	Date	
1	3/20/2014	3/25/2014
2	3/26/2014	
3		
4		
5		

TOR Issued MS4 Acceptance Date 3/28/2014

Contractor Name

Start of Work Date:

TOR Inspections

Date	Letter	Violations (Y/N)	Addressed (Y/N)

Notes:

8/10/2010 Applicant SP App submittal
8/17/2010 TOR Planning Dept. Site Plan Checklist
1/4/2010 TOR Engineering Ltr Zoumas requiring SWPPP & Fee
8/1/2012 TOR Planning Dept. Site Plan Checklist - resubmission
8/17/2012 TOR Planning Dept. Site Plan Checklist - resubmission
11/2/2012 TOR Planning Dept. Site Plan Checklist - resubmission
11/14/2012 TOR Planning Dept. Site Plan Checklist - resubmission
3/2/12 Received SWPPP Review Fee

Chernoff Building			
ADDRESS	323/331 Main Rd, Aquebogue, NY		
SCTM NO.	0600-85-3-8&12.7		
OWNER	Chernoff Realty LLC		
DEVELOPER		**Name of Contact**	
		Contact No.	
SWPPP Consultant Butler Engineering		**Name of Contact**	Jeff Butler
		Contact No.	(631) 208-8850
DATE SWPPP SUBMITTED	5/1/2017		
SWPPP FEE	$3,500.00		
Area of Land (acres)	1.8 Acres		

TOR REVISION LETTERS DATED		**CONSULTANT REVISION LETTER DATE**
Reviewer:		
No.	Date	3/5/2018
1	5/23/2017	
2	3/21/2018	
3		
4		
5		

TOR Issued MS4 Acceptance Date

Contractor Name

Start of Work Date:

TOR Inspections

Date	Letter	Violations (Y/N)	Addressed (Y/N)

Notes:

Dries			
ADDRESS	2009 Old Country Rd, Riverhead, NY 11901		
SCTM NO.	600-118-3-7		
OWNER	William Dries		
DEVELOPER	White Birch Homes	**Name of Contact**	William Dries
		Contact No.	631-379-6149
SWPPP Consultant	CodyMack Engineering, P.C.	**Name of Contact**	Trey Wehrum
		Contact No.	516-739-7243
DATE SWPPP SUBMITTED	10/3/2022		
SWPPP FEE	$6,000	5/26/2022	
Area of Land (acres)	4.1 Acres		

TOR REVISION LETTERS DATED		**CONSULTANT REVISION LETTER DATE**
Reviewer:		
No.	Date	
1	10/19/2022	12/22/2023
2	1/10/2024	
3		
4		
5		
TOR Issued MS4 Acceptance Date		

Contractor Name			
Start of Work Date:			
TOR Inspections			
Date	Letter	Violations	Addressed (Y/N)
Notes:			

Driftwood Family Farms, LLC			
ADDRESS	3795 Middle Country Rd, Riverhead, NY 11901		
SCTM NO.	0600-117-1-3		
OWNER	Driftwood Family Farms, LLC		
DEVELOPER		**Name of Contact**	Steve Mezynieski
Driftwood Family Farms, LLC		**Contact No.**	631-204-0001
SWPPP Consultant		**Name of Contact**	Douglas Adams
D. Adams, PE, PLLC		**Contact No.**	631-727-2303
DATE SWPPP SUBMITTED	11/10/2014		
SWPPP FEE	$3,500.00		
Area of Land (acres)	2.8 Acres		

TOR REVISION LETTERS DATED	**CONSULTANT REVISION LETTER DATE**
Reviewer:	
No. Date	
1 11/21/2014	11/25/2014
2 12/4/2014	
3	

TOR Issued MS4 Acceptance Date 12/4/2014

Contractor Name

Start of Work Date:

TOR Inspections

Date	Letter	Violations (Y/N	Addressed (Y/N)

Notes:

East End Eye Associates			
ADDRESS	937 East Main Street, Riverhead, NY 11901		
SCTM NO.	0600-131-1-3		
OWNER	Southold Medical Arts Building, Inc.		
DEVELOPER		**Name of Contact**	Michael Sn
CDB Design & Construction Corp.		**Contact No.**	631-234-88
SWPPP Consultant		**Name of Contact**	Salvatore Capitano
CDB Design & Construction Corp.		**Contact No.**	631-234-89
DATE SWPPP SUBMITTED	2/10/2012		
SWPPP FEE	$357.00		
Area of Land (acres)	1.57 Acres		

TOR REVISION LETTERS DATED		**CONSULTANT REVISION LETTER D**
Reviewer:		
No.	Date	
1		9/21/2012
2	10/18/2012	10/24/2012
3	10/24/2012	

TOR Issued MS4 Acceptance Date 10/24/2012

Contractor Name CBD Design & Construction Corp.

Start of Work Date: 1-Dec-12

TOR Inspections

Date	Letter	Violations (Y/N	Addressed (Y/N)
4/4/2013	4/5/2013	Y	N
4/24/2013	4/30/2013	N	
7/16/2013	7/18/2013	N	
11/27/2013	12/2/2013	N	

Notes: 2/10/2012 SWPPP submitted
3/28/2012 revised SWPPP submitted
8/4/2012 revised SWPPP submitted

nith
355

903

ATE

EBS Building Systems			
ADDRESS	Scott Avenue, Calverton		
SCTM NO.	0600-135-1-1-1		
OWNER	EBS Building Systems Inc.		
DEVELOPER		**Name of Contact**	Bill Schmidt
		Contact No.	215-439-2092
SWPPP Consultant		**Name of Contact**	
Jeffrey Butler, PE, PC		**Contact No.**	631-208-8850
DATE SWPPP SUBMITTED	10/26/2009		
SWPPP FEE	$1,204.70		
Area of Land (acres)	10 Acres		

TOR REVISION LETTERS DATED	**CONSULTANT REVISION LETTER DATE**
Reviewer: **Christine Fetten**	
No. Date	
1 11/4/2009	

TOR Issued MS4 Acceptance Date 11/9/2009

Contractor Name

Start of Work Date:

TOR Inspections

Date	Letter	Violations	Addressed (Y/N)

Notes:

EP Equity Holdings Four, LLC			
ADDRESS	582 Edwards Avenue, Riverhead, NY 11933		
SCTM NO.	0600-117-2-2.7		
OWNER	EP Equity Holdings Four, LLC		
DEVELOPER	EP Equity Holdings Four, LLC	**Name of Contact**	Michael Nardy
		Contact No.	8000-966-5520
SWPPP Consultant		**Name of Contact**	Doug Adams
DEA Engineering		**Contact No.**	631-727-2303
DATE SWPPP SUBMITTED	3/29/2022		
SWPPP FEE	$6,000 3-29-22		
Area of Land (acres)	3.9 Acres		

TOR REVISION LETTERS DATED		**CONSULTANT REVISION LETTER DATE**
Reviewer:		
No.	Date	
1	4/11/2022	6/6/2022
2	6/20/2022	6/21/2022
3	6/28/2022	11/14/2022
4	11/14/2022	
5		

TOR Issued MS4 Acceptance Date 10/20/2022

Contractor Name

Start of Work Date:

TOR Inspections

Date	Letter	Violations (Y/N)	Addressed (Y/N)

Notes:

Garsten Retail Center			
ADDRESS	1780 Old Country Rd, Riverhead, NY 11901 (CR 58)		
SCTM NO.	0600-101-2-6.2		
OWNER	Flora and Irwin, LLC		
DEVELOPER	Diamond Builders, Inc.	**Name of Contact**	Herbert Israel
		Contact No.	631-727-0555
SWPPP Consultant		**Name of Contact**	Doug Adams
DEA Engineering		**Contact No.**	631-727-2303
DATE SWPPP SUBMITTED	10/24/2018		
SWPPP FEE	$3500 pd 10/25/18		
Area of Land (acres)	12.1 Acres		

TOR REVISION LETTERS DATED		**CONSULTANT REVISION LETTER DATE**	
Reviewer:			
No.	Date		
1	12/13/2018	1/16/2019	1/17/2019
2	2/5/2019	2/12/2019	
3	3/5/2019	3/11/2019	
4	3/11/2019	3/11/2019	
5	3/12/2019		

TOR Issued MS4 Acceptance Date 3/12/2019

Contractor Name Diamond Builders, Inc.

Start of Work Date:

TOR Inspections

Date	Letter	Violations (Y/N)	Addressed (Y/N)
7/16/2020	y	n	
10/5/2021	y	y	n

Notes:

Gendot Associates

ADDRESS	450 Middle Road, Riverhead		
SCTM NO.	0600-82-4-221.12		
OWNER	Gendot Associates, Inc., Mark Mysak		
DEVELOPER		**Name of Contact**	Gerald Simone
		Contact No.	631-929-5870
SWPPP Consultant		**Name of Contact**	Doug Adams
Young & Young		**Contact No.**	631-727-2303
DATE SWPPP SUBMITTED	6/9/2010		
SWPPP FEE	$567.00		
Area of Land (acres)	10 Acres		

TOR REVISION LETTERS DATED		**CONSULTANT REVISION LETTER DATE**
Reviewer:	**CF/DD**	
No.	Date	
1	6/21/2010	11/24/2010
2	12/9/2010	12/9/2010
3	12/10/2010	12/20/2010
4	12/21/2010	
TOR Issued MS4 Acceptance Date	12/21/2010	Conditional - Satisfied

Contractor Name	Gendot Associates
Start of Work Date:	

TOR Inspections

Date	Letter	Violations	Addressed (Y/N)
5/29/2019	y	n	

Notes:

7/17/2009	Planning Ltr To. C. Cuddy indicating SWPPP requirement
8/5/2009	Planning Dept Site Plan Checklist to ENG.
11/4/2009	Planning Fax cover incl. Gendot Application
12/7/2009	TOR Eng. Ltr Gerald Simone requiring SWPPP and Fee
12/23/2009	Site Plan Memo
1/22/2010	Planning Dept Ltr. C. Cuddy
6/25/2010	Site Plan Memo
9/30/2010	Site Plan Memo
11/29/2010	Site Plan Memo

CLOSED 12/20/23

Gershow Recycling of Riverhead, Inc.			
ADDRESS	71 Peconic Avenue, Medford, NY		
SCTM NO.	0600-131-1-2.2		
OWNER	Kevin Gershowitz		
DEVELOPER		**Name of Contact**	Kevin Gershowitz
		Contact No.	631-289-6188
SWPPP Consultant		**Name of Contact**	Doug Adams
Young & Young		**Contact No.**	631-727-2303
DATE SWPPP SUBMITTED	6/15/2012		
SWPPP FEE	$449.43 submitted on June 18, 2012		
Area of Land (acres)	3.49 Acres		

TOR REVISION LETTERS DATED		**CONSULTANT REVISION LETTER DATE**
Reviewer:	**DD**	
No.	Date	
1	6/25/2012	7/10/2012
2	7/16/2012	7/20/2012
3	7/20/2912	7/23/2012
4	7/23/2012	
TOR Issued MS4 Acceptance Date		7/23/2012
Contractor Name		Gershow Recycling of Riverhead, Inc.
Start of Work Date:		

TOR Inspections

Date	Letter	Violations	Addressed (Y/N)
12/28/2012	1/2/2013	Y	Y
1/7/2013	1/9/2013	N	
4/12/2013	4/17/2013	N	
3/22/2019	y	n	

Notes:

This project does not require SP approval. Therefore, a letter requesting prepayment for SWPPP review was not issued to the applicant. However, a phone call placed to Doug Adams requesting a check for SWPPP review.

Great Rock Golf Clubhouse Additon			
ADDRESS	Fairway Drive, Wading River		
SCTM NO.	0600-57-01-1.31		
OWNER	Great Rock Golf, LLC		
DEVELOPER		**Name of Contact**	Mark Walsh
		Contact No.	
SWPPP Consultant		**Name of Contact**	Douglas Adams, P.E.
Young & Young		**Contact No.**	631-727-2303
DATE SWPPP SUBMITTED	12/7/2010		
SWPPP FEE	$331.10		
Area of Land (acres)	1.311 Acres		

TOR REVISION LETTERS DATED		**CONSULTANT REVISION LETTER DATE**
Reviewer:	**DD**	
No.	Date	
1	12/10/2010	
2	12/13/2010	12/17/2010
3	2/3/2011	2/10/2011
4	2/10/2011	2/11/2011
5		
TOR Issued MS4 Acceptance Date	2/16/2011	Conditional

Contractor Name	Great Rock Golf, LLC
Start of Work Date:	

TOR Inspections

Date	Letter	Violations	Addressed (Y/N)

Notes:

9/1/2010	TOR Planning Dept. Site Plan Checklist
10/5/2010	TOR Planning Dept. Site Plan Checklist
11/15/2010	TOR Eng. Letter to GRGLLC re SWPPP & Fee
11/29/2010	TOR Planning Dept. Site Plan Memo

Green Fields East			
ADDRESS	Main Road, Aquebogue, NY		
SCTM NO.	0600-085-3-1.8		
OWNER	Green Fields East Holding LLC		
DEVELOPER		**Name of Contact**	Bernard Kito
		Contact No.	
SWPPP Consultant		**Name of Contact**	Lou Kalogeras
E.S. Kalogeras		**Contact No.**	631-722-4040
DATE SWPPP SUBMITTED			
SWPPP FEE	$590.20		
Area of Land (acres)	3.902 Acres		

TOR REVISION LETTERS DATED	**CONSULTANT REVISION LETTER DATE**
Reviewer: **Drew Dillingham**	
No. Date	
1	
2	
3	
4	

TOR Issued MS4 Acceptance Date
Contractor Name
Start of Work Date:
TOR Inspections

Date	Letter	Violations	Addressed (Y/N)

Notes:	
11/19/2009	Town of Planning Dept Site Plan Checklist
12/10/2009	Eng Ltr. Mr. Kito requiring SWPPP & Fee of $590.20
6/7/2010	Hawkins Webb Jaeger Ltr Planning requesting SWPPP exemption
6/17/2010	Eng. Ltr to Green Fields East. Holdings regarding SWPPP determination
7/8/2010	Site Plan Memo
10/12/2010	E.S. Kalogeras Transmittal of three dwgs submitted as SWPPP
10/12/2010	TOR Eng. Ltr Green Fields East SWPPP requirements
12/20/2012	Planning to send inactive letter to applicant

Hamlet Professional Center			
ADDRESS	6144 State Route 25A		
SCTM NO.	0600-75-1-3		
OWNER	Knightland, Inc.		
DEVELOPER	Knightland, Inc.	**Name of Contact**	Kenney Barra
		Contact No.	631-929-3500
SWPPP Consultant		**Name of Contact**	Doug Adams
DEA Engineering		**Contact No.**	631-727-2303
DATE SWPPP SUBMITTED	12/18/2017		
SWPPP FEE	$3,500.00		
Area of Land (acres)	6 Acres		

TOR REVISION LETTERS DATED		**CONSULTANT REVISION LETTER DATE**
Reviewer:		
No.	Date	
1	1/3/2018	10/9/2018
2	10/30/2018	11/7/2018
3	11/29/2018	
4		
5		

TOR Issued MS4 Acceptance Date 11/30/2018

Contractor Name JNS Contracting

Start of Work Date:

TOR Inspections

Date	Letter	Violations (Y/N)	Addressed (Y/N)

Notes: **CLOSED 6/10/21 WITH NO FINAL INSPECTION**

Hampton Jitney				
ADDRESS	253 Edwards Avenue, Calverton			
SCTM NO.	0600-117-1-8.6			
OWNER	Hampton Jitney, Inc.			
DEVELOPER		**Name of Contact**	Geoffrey Lynch	
Hampton Jitney		**Contact No.**	631-283-4600	
SWPPP Consultant		**Name of Contact**	Chris Tartaglia	
		Contact No.	516-777-4320	
High Point Engineering				
DATE SWPPP SUBMITTED 12/3/2012				
SWPPP FEE	$3,500.00			
Area of Land (acres)	13.9 Acres			
TOR REVISION LETTERS DATED			**CONSULTANT REVISION LETTER DATE**	
Reviewer:	**Drew Dillingham**			
No.	Date			
1	12/14/2012			1/25/2013
2	2/7/2013			2/25/2013
3				
4				
TOR Issued MS4 Acceptance Date	2/27/2013			
Contractor Name				
Start of Work Date:				
TOR Inspections				
Date	Letter	Violations	Addressed (Y/N)	
3/14/2013	3/18/2013	Y	N	
4/12/2013	4/17/2013	N	N	
10/8/2013	10/9/2013	N	N	
12/16/2014	12/17/2014	N	N	
Notes:				
7/8/2011 TOR Planning Dept Site Plan Checklist				
8/9/11 TOR Eng Dept Ltr requesting review fee				
12/23/11 TOR Eng Dept Ltr requesting corrected review fee				

Holly Estates			
ADDRESS	NY 25A, Wading River		
SCTM NO.	0600-76-2-003.00		
OWNER	Frank Sessa		
DEVELOPER		**Name of Contact**	Frank Sessa
		Contact No.	631-929-4032
SWPPP Consultant		**Name of Contact**	Thomas Cramer, ASLA
Cramer Consulting Group		**Contact No.**	631-476-0984
DATE SWPPP SUBMITTED	9/1/2010		
SWPPP FEE	$800.00		
Area of Land (acres)	6 Acres		

TOR REVISION LETTERS DATED		**CONSULTANT REVISION LETTER DATE**
Reviewer:	**Drew Dillingham**	
No.	Date	
1	10/18/2010	10/13/2010
2		
3		
4		
TOR Issued MS4 Acceptance Date	10/18/2010	Conditional
Contractor Name		
Start of Work Date:		

TOR Inspections

Date	Letter	Violations	Addressed (Y/N)

Notes:

9/14/2009	Engineering Memo - V. Gaudiello, PE
9/22/2009	Cfetten emails
9/22/2009	V. Gaudiello Email
9/29/2009	DMcC Email
10/1/2009	Planning Bd Resolution 98 Minor Subdivision
1/8/2009	Engineering Memo - V. Gaudiello, PE
8/23/2010	NYSDOT Ltr Jeff Butler
9/15/2010	TOR Eng Ltr. Frank Sessa Requiring SWPPP and SWPPP fee
11/10/2010	TOR Eng Ltr Jeff Butler
12/2/2010	Engineering Memo - V. Gaudiello, PE

Holly Tree Farm			
ADDRESS	Holly Tree Lane, Riverhead, NY		
SCTM NO.	0600-69-3-8, 19, 62		
OWNER	Red's Adventures LLC		
DEVELOPER		**Name of Contact**	Vincent Calvosa
Red's Adventures LLC		**Contact No.**	631-563-2551
SWPPP Consultant		**Name of Contact**	Andrew Stolzenberg
Barrett, Bonacci & Van Weele, P.C.		**Contact No.**	631-435-11111
DATE SWPPP SUBMITTED	10/11/2022		
SWPPP FEE	$3,500.00		
Area of Land (acres)	13 Acres		

TOR REVISION LETTERS DATED		**CONSULTANT REVISION LETTER DATE**
Reviewer:	**Drew Dillingham**	
No.	Date	
1	10/27/2022	11/21/2022
2	12/5/2022	12/12/2022
3	12/12/2022	
4		

TOR Issued MS4 Acceptance Date 12/12/2022

Contractor Name

Start of Work Date:

TOR Inspections

Date	Letter	Violations	Addressed (Y/N)

Notes:

Irwin Garsten			
ADDRESS	785 Raynor Avenue, Riverhead		
SCTM NO.	600-108-2-21.1		
OWNER	Garsten Realty, LLC		
DEVELOPER		**Name of Contact**	Irwin Garsten
		Contact No.	631-727-0555
SWPPP Consultant		**Name of Contact**	Doug Adams
D. Adams, PE, PLLC		**Contact No.**	631-727-2303
DATE SWPPP SUBMITTED	10/1/2015		
SWPPP FEE	$3,500.00		
Area of Land (acres)	2.4 Acres		

TOR REVISION LETTERS DATED		**CONSULTANT REVISION LETTER DATE**
Reviewer:	**CF/DD**	
No.	Date	
1	10/28/2015	11/25/2015
2	12/8/2015	
3		
4		

TOR Issued MS4 Acceptance Date	12/8/2015
Contractor Name	
Start of Work Date:	

TOR Inspections

Date	Letter	Violations	Addressed (Y/N)
3/22/2019	y	n	

Notes:

Island Water Park			
ADDRESS	Rt. 25, Calverton, NY		
SCTM NO.	0600-135-1-7.34		
OWNER	Island Water Park, Inc.		
DEVELOPER		**Name of Contact**	Eric Scott
		Contact No.	631-331-7216
SWPPP Consultant		**Name of Contact**	Thomas W. Cramer, ASLA
Cramer Consulting Group		**Contact No.**	631-476-0984
DATE SWPPP SUBMITTED	7/7/2009		
Runoff Analysis Plan	3/22/2013		
SWPPP FEE	$4,390.00	3/25/2010	
Area of Land (acres)	41.9 Acres		

TOR REVISION LETTERS DATED		**CONSULTANT REVISION LETTER DATE**
Reviewer:	**Drew Dillingham**	
No.	Date	
1	4/15/2010	
2	4/4/2013	11/7/2013
3	11/26/2013	
4		

TOR Issued MS4 Acceptance Date

Contractor Name

Start of Work Date:

TOR Inspections

Date	Letter	Violations	Addressed (Y/N)

Notes:

8/6/2009	TOR Eng to Mr. Scott requesting review fee
9/16/2009	Planning Dept. staff memo
12/1/2009	Site Plan Checklist
1/15/2010	Planning Dept. staff memo

Closed 11/26/13

Island Water Park			
ADDRESS	Rt. 25, Calverton, NY		
SCTM NO.	0600-135-1-7.34		
OWNER	Island Water Park		
DEVELOPER		**Name of Contact**	Eric Scott
		Contact No.	631-331-7216
SWPPP Consultant		**Name of Contact**	Thomas W. Cramer, ASLA
Cramer Consulting Group		**Contact No.**	631-476-0984
DATE SWPPP SUBMITTED	9/13/2021		
SWPPP FEE	$6,000.00	9/14/2021	
Area of Land (acres)	41.9	Acres	

TOR REVISION LETTERS DATED		**CONSULTANT REVISION LETTER DATE**
Reviewer:	**Drew Dillingham**	
No.	Date	
1	9/28/2021	12/2/2021
2	12/30/2021	
3		
4		

TOR Issued MS4 Acceptance Date 12/30/21 Waiver Approved

Contractor Name

Start of Work Date:

TOR Inspections

Date	Letter	Violations	Addressed (Y/N)
10/5/2021	y	y	n

Notes:

Kathy Lane, LLC		
ADDRESS	Kathy Lane Extension, Riverhead, NY 11901	
SCTM NO.	600-84-2-2.1	
OWNER	Kathy Lane, LLC	
DEVELOPER: Butch Payne Landscaping, Inc.		**Name of Contact** Charles Payne **Contact No.** 631-324-7364
SWPPP Consultant		**Name of Contact** Doug Adams
DEA Engineering		**Contact No.** 631-774-3521
DATE SWPPP SUBMITTED 3/20/2023		
SWPPP FEE	$6,000.00	
Area of Land (acres)	12.9 Acres	

TOR REVISION LETTERS DATED		**CONSULTANT REVISION LETTER DATE**
Reviewer:	**Drew Dillingham**	
No.	Date	
1	4/4/2023	5/11/2023 5/18/23 (additional info sent)
2	6/2/2023	7/17/2023
3		
4		

TOR Issued MS4 Acceptance Date 8/1/2023

Contractor Name

Start of Work Date:

TOR Inspections

Date	Letter	Violations	Addressed (Y/N)

Notes:

Knightland Village			
ADDRESS	intersection of Sound Ave. & NYS Rt. 25A, Wading River		
SCTM NO.	0600-75-2-(4, 11.3, 12.1, 13.2) & 0600-76-1-3.2		
OWNER	Knightland Inc.,		
DEVELOPER		**Name of Contact**	Ken Barra
		Contact No.	631-846-2331
SWPPP Consultant		**Name of Contact**	Daniel Winkelman
VHB Engineering, Surveying and Landscape Architecture, P.C.		**Contact No.**	631-234-3444
DATE SWPPP SUBMITTED 9/14/2011			
SWPPP FEE	$799.00		
Area of Land (acres)	5.99 Acres		

TOR REVISION LETTERS DATED		**CONSULTANT REVISION LETTER DATE**
Reviewer:	**Drew Dillingham**	
No.	Date	
1	9/22/2011	
2	11/8/2011	
3	12/5/2011	
4		

TOR Issued MS4 Acceptance Date	12/6/2011	Conditional
Contractor Name		
Start of Work Date:		

TOR Inspections			
Date	Letter	Violations	Addressed (Y/N)

Notes:
9/20/2010 TOR Planning Dept Site Plan Checklist - Resubmission
10/22/2010 NYSDOT Ltr to Design Prof.
1/4/11 TOR Eng Dept Ltr requesting review fee
Closed 8/19/13

Koppert Cress USA			
ADDRESS	2975 Sound Avenue		
SCTM NO.	0600-041-02-5.5		
OWNER	Eddy Creses		
DEVELOPER		**Name of Contact**	Eddy Creses
Koppert Cress USA		**Contact No.**	631-734-8500
SWPPP Consultant		**Name of Contact**	Lou Kalogeras
		Contact No.	631-722-4040
E.S. Kalogeras			
DATE SWPPP SUBMITTED 9/14/2011			
SWPPP FEE	$3,500.00		
Area of Land (acres)	51.1 Acres		

TOR REVISION LETTERS DATED		**CONSULTANT REVISION LETTER DATE**	
Reviewer:			
No.	Date		
1	12/22/2014	2/3/2015	
2	2/20/2015		
3			
4			

TOR Issued MS4 Acceptance Date
Contractor Name
Start of Work Date:
TOR Inspections
Date Letter Violations Addressed (Y/N)
Notes:

Krist Rose Court - Major Subdivision			
ADDRESS	Doctor's Path		
SCTM NO.	0600-65-01-04		
OWNER	Riverhead Builders Corp.		
DEVELOPER		**Name of Contact**	Walter Giglio
		Contact No.	516-586-5540
SWPPP Consultant		**Name of Contact**	Jeff Butler
Jeffrey Butler		**Contact No.**	631-208-8850
DATE SWPPP SUBMITTED	11/16/2009		
SWPPP FEE	$1,179.30		
Area of Land (acres)	9.793 Acres		

TOR REVISION LETTERS DATED		**CONSULTANT REVISION LETTER DATE**
Reviewer:	**CF/DD**	
No.	Date	
1	12/9/2009	3/22/2010
2	3/25/2010	9/2/2010
3	9/3/2010	
4		

TOR Issued MS4 Acceptance Date	7/22/2011
Contractor Name	Has not been selected
Start of Work Date:	

TOR Inspections

Date	Letter	Violations	Addressed (Y/N)

Notes:

7/9/2009	Planning Memo to TOR Engineering regarding project
7/21/2009	TOR Eng. Ltr to Water Giglio re SWPPP & Fee
7/29/2009	Check received
9/24/2009	Planning Board Engineering Memo

Closed 7/24/13

48 Kroemer Avenue			
ADDRESS	48 Kroemer Avenue		
SCTM NO.	600-119-1-32.1		
OWNER	48 Kroemer, LLC		
DEVELOPER		**Name of Contact**	
		Contact No.	
SWPPP Consultant		**Name of Contact**	Douglas Adams
D. Adams, PE, pllc		**Contact No.**	631-727-2303
DATE SWPPP SUBMITTED	1/28/2022		
SWPPP FEE	$6,000.00	1/28/2022	
Area of Land (acres)	4.045 Acres		

TOR REVISION LETTERS DATED		**CONSULTANT REVISION LETTER DATE**
Reviewer:	**D&B**	
No.	Date	
1	2/11/2022	3/7/2022
2	3/21/2022	
3		
4		
5		

TOR Issued MS4 Acceptance Date 3/21/2022

Contractor Name Elecnor Hawkeye, LLC

Start of Work Date:

TOR Inspections

Date	Letter	Violations	Addressed (Y/N)

Notes:

LOWE's Home Center			
ADDRESS	1461 Old Country Road, Riverhead		
SCTM NO.	0600-101-2-15.6	0600-125-1-1	0600-125-1-2.2
OWNER	Lowes Home Centers Inc.		
DEVELOPER		**Name of Contact**	Mike Harless
		Contact No.	336-658-4000
SWPPP Consultant		**Name of Contact**	Justin Baker, P.E, CPSWQ
Stantec Consulting Services		**Contact No.**	631-580-2645 Ext 323
DATE SWPPP SUBMITTED	10/28/2009		
SWPPP FEE	$1,949.00		
Area of Land (acres)	17.49 Acres		

TOR REVISION LETTERS DATED		**CONSULTANT REVISION LETTER DATE**
Reviewer:	**DD**	
No.	Date	
1	12/3/2008	4/23/2010
2	4/29/2010	5/11/2010
3		
4		

TOR Issued MS4 Acceptance Date	5/14/2010	Conditional

Contractor Name	EWHowell
Start of Work Date:	3/25/2011

TOR Inspections

Date	Letter	Violations	Addressed (Y/N)
3/24/25/11	3/25/2011	N	

Notes:

3/6/2009	Planning Department Staffing Memo
5/15/2009	Planning Department Staffing Memo
9/28/2009	Planning Dept. Site Plan Checklist
10/22/2009	TOR Eng. Ltr Raul Cotilla (LOWES)
11/5/2009	Planning Department Staffing Memo
6/28/2010	Planning Dept. Site Plan Memo

Mastro Realty			
ADDRESS	Youngs Avenue		
SCTM NO.	600-80-01-12.7		
OWNER	Mastro Realty		
DEVELOPER		**Name of Contact**	Vincenzo Mastronardi
		Contact No.	718-746-7470
SWPPP Consultant	Young & Young	**Name of Contact**	Douglas Adams
		Contact No.	631-727-2303
DATE SWPPP SUBMITTED	4/22/2008	Site plan approved prior to TOR code provision-Y&Y submitted NOI to DEC	
SWPPP FEE	N/A		
Area of Land (acres)	40.1 Acres		

TOR REVISION LETTERS DATED		**CONSULTANT REVISION LETTER DATE**
Reviewer:		
No.	Date	
1	9/2/2008	9/4/2008
2	9/9/2008	9/25/2008
3	9/29/2008	10/2/2008
4	10/27/2008	
TOR Issued MS4 Acceptance Date		N/A - DEC jurisdiction, project substantially c

Contractor Name

Start of Work Date:

TOR Inspections

Date	Letter	Violations (Y/N)	Addressed (Y/N)
8/28/2008	y	y	y
10/17/2008	y	y	y

Notes:

12/17/2008	Sudvision Insepction Memo
12/23/2008	Engineering Memo to TOR Building/Planning regarding flooding issue due to subdivision
3/17/2009	Resolution 244 execute road, drainage and excavation agreement with Mastronardi
8/27/2009	The Raynor Group Ltr to TOR Planning Board
9/22/2009	Subdivision Inspection Memo
11/8/2010	Subdivision Inspection Memo

Metro Terminals of Long Island, LLC			
ADDRESS	801 Scott Avenue, Calverton, NY		
SCTM NO.	600-135-2-1-2		
OWNER	Metro Terminals of Long Island LLC		
DEVELOPER		**Name of Contact**	Paul Pullo
		Contact No.	718-389-2500
SWPPP Consultant		**Name of Contact**	Michael Mapes, P.E.
Michael Mapes, P.E.		**Contact No.**	631-369-2170
DATE SWPPP SUBMITTED	6/22/2009	10/14/2010	
SWPPP FEE	$1,421.70		
Area of Land (acres)	12.2 Acres		

TOR REVISION LETTERS DATED		**CONSULTANT REVISION LETTER DATE**
Reviewer:	**DD**	
No.	Date	
1	8/6/2009	10/6/2009
2	10/16/2009	
3		
4	10/21/2010	12/22/2010
5	12/23/2010	

TOR Issued MS4 Acceptance Date	10/23/2009	
	12/23/2010	For additional Work

Contractor Name

Start of Work Date:

TOR Inspections

Date	Letter	Violations	Addressed (Y/N)	
8/12/2010	Y	Y	N	
8/25/2010	Y	Y	N	Notice of Violation
8/27/2010		Y	N	Stop Work Order
10/29/2010	N			
11/1/2010	y	y	y	
11/15/2010	n	y	y	inspection sheets
11/29/2010	n	y	y	inspection sheets
12/7/2010	y	y	y	inspection sheets
12/21/2010	y	y	y	inspection sheets
3/11/2011	y	n		inspection sheets

Notes:

2/23/2009	Planning Dept. Staffing Memo
10/23/2009	Planning Dept. Site Plan Memo
12/22/2010	TOR Eng. Dept ltr Ed Miller & Attorney to discuss non -compliance issues

Metro Terminals of Long Island, LLC			
ADDRESS	801 Scott Avenue, Calverton, NY		
SCTM NO.	0600-135.2-1-2&8.2		
OWNER	Metro Terminals of Long Island LLC		
DEVELOPER		**Name of Contact**	Paul Pullo
		Contact No.	718-389-5800x180
SWPPP Consultant		**Name of Contact**	Michael Mapes, P.E.
Michael Mapes, P.E.		**Contact No.**	631-369-2170
DATE SWPPP SUBMITTED	10/14/2010		
SWPPP FEE	covered in first swppp		
Area of Land (acres)	12.2 Acres		

TOR REVISION LETTERS DATED		**CONSULTANT REVISION LETTER DATE**
Reviewer:	**DD**	
No.	Date	
1	10/21/2010	11/14/2010
2	12/3/2010	12/22/2010
3		3/20/2012
4		
5		

TOR Issued MS4 Acceptance Date	12/23/2010
	3/28/2012
Contractor Name	
Start of Work Date:	

TOR Inspections

Date	Letter	Violations	Addressed (Y/N)	
2/16/2012	Y	Y		Notice of Violation
3/13/2012	Y	Y	Y	Notice of Violation
3/28/2012	Y	Y	Y	Notice of Violation
5/2/2012	Y	Y	Y	Notice of Violation
6/8/2012	Y	N	y	Notice of Compliance

Notes:

Metro Terminals of Long Island, LLC			
ADDRESS	501 Scott Avenue, Calverton, NY		
SCTM NO.	0600-135.2-1-7SP		
OWNER	Metro Terminals of Long Island LLC		
DEVELOPER		**Name of Contact**	Paul Pullo
		Contact No.	718-389-5800x180
SWPPP Consultant		**Name of Contact**	Michael Mapes, P.E.
Michael Mapes, P.E.		**Contact No.**	631-369-2170
DATE SWPPP SUBMITTED	7/18/2012		
SWPPP FEE	$600.00		
Area of Land (acres)	4 Acres		

TOR REVISION LETTERS DATED	**CONSULTANT REVISION LETTER DATE**
Reviewer: **DD**	
No. Date	
1 7/19/2012	No Letter - SWPPP dated 7/2/12
2 8/1/2012	No Letter - SWPPP dated 7/2/12
3 8/7/2012	No Letter - SWPPP dated 7/2/12
4	
5	

TOR Issued MS4 Acceptance Date

Contractor Name

Start of Work Date:

TOR Inspections

Date	Letter	Violations	Addressed (Y/N)

Notes:

Middle Road Minor Subdivision			
ADDRESS	Middle Road, Riverhead, NY		
SCTM NO.	82-3-14		
OWNER	Dreamland Builders		
DEVELOPER	Dreamland Builders	**Name of Contact**	Thomas W
		Contact No.	631-476-09
SWPPP Consultant	Cramer Consulting Group	**Name of Contact**	Dorothy Ro
		Contact No.	631-831-33
DATE SWPPP SUBMITTED 9/27/2016 12/12/2016 ESCP			
SWPPP FEE		$3,500.00 9/27/2016	
Area of Land (acres)		4.1 Acres	

TOR REVISION LETTERS DATED		**CONSULTANT REVISION LETTE**
Reviewer:	**D&B**	
No.	Date	
1	12/27/2016	2/7/2017
2	2/28/2017	
3		
4		
5		

TOR Issued MS4 Acceptance Date 3/1/2017

Contractor Name

Start of Work Date: 8/18/2017

TOR Inspections

Date	Letter	Violations	Addressed (Y/N)
9/7/2017	Y	Y	N
9/18/2017	Y	N	Y
12/27/2017	Y	Y	Y
1/25/2018	Y	N	

CLOSED 1/25/18

Notes:

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Nazar Commons			
ADDRESS	86 James Hawkins Road		
SCTM NO.	0600-82-2-96.006		
OWNER	Nazar Commons		
DEVELOPER	Nazar Commons	**Name of Contact**	Jeffrey Nazar
		Contact No.	909-3281
SWPPP Consultant		**Name of Contact**	Michael Mapes
Michael Mapes, P.E.		**Contact No.**	631-369-2170
DATE SWPPP SUBMITTED 1/23/2015			
SWPPP FEE	$3,500.00		
Area of Land (acres)	2.5 Acres		

TOR REVISION LETTERS DATED		**CONSULTANT REVISION LETTER DATE**
Reviewer:	**Bowne**	
No.	Date	
1	2/4/2015	2/7/2015
2	2/25/2015	8/1/2218
3	8/22/2018	
4		
5		

TOR Issued MS4 Acceptance Date 8/22/2018

Contractor Name

Start of Work Date:

TOR Inspections

Date	Letter	Violations	Addressed (Y/N)

Notes:

North Shore Country Plaza at Wading River			
ADDRESS	616 Roanoke Ave., Riverhead, NY 11901		
SCTM NO.	0600-075-1-1.2		
OWNER	Maryann Stajk, Constrance Partridge, and Kathleen Condzella		
DEVELOPER		**Name of Contact**	
		Contact No.	
SWPPP Consultant		**Name of Contact**	Thomas Wolpert, P.E.
Young and Young		**Contact No.**	631-727-2303
DATE SWPPP SUBMITTED			
SWPPP FEE	$1,294.09		
Area of Land (acres)	10.9409 Acres		
TOR REVISION LETTERS DATED		**CONSULTANT REVISION LETTER DATE**	
Reviewer:	**DD**		
No. Date			
1			
2			
3			
4			
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TOR Issued MS4 Acceptance Date			
Contractor Name			
Start of Work Date:			
TOR Inspections			
Date Letter	Violations	Addressed (Y/N)	
Notes:			
12/6/2011 TOR Planning Dept. Application for Site Plan Approval			
6/7/2012 TOR Planning Dept. Site Plan Memo			
6/7/2012 TOR Planning Dept. Site Plan Raynor Memo			

New Jerusalen Church			
ADDRESS	177 Doctors Path		
SCTM NO.	0600-84-3-26.1		
OWNER	New Jersusalen Church		
DEVELOPER		**Name of Contact**	Pastor Roberto Salcedo
		Contact No.	631-766-1843
SWPPP Consultant		**Name of Contact**	Joseph Perricelli, P.E.
Hirani Engineering & Land Surveying P.C.		**Contact No.**	516-248-1010
DATE SWPPP SUBMITTED	4/5/2016		
SWPPP FEE	$3,500.00	3/24/2016	
Area of Land (acres)	9.7 Acres		

TOR REVISION LETTERS DATED		**CONSULTANT REVISION LETTER DATE**
Reviewer:		
No.	Date	
1	4/21/2016	8/4/2016
2	8/23/2016	11/2/2016
3	11/28/2016	2/22/2017
4	3/10/2017	3/16/2017
5	4/5/2017	4/19/2017
6	5/8/2017	7/19/2017
7	8/8/2017	9/1/2017
8	9/27/2017	10/13/2017
9	10/30/2017	11/8/2017
10	11/8/2017	
TOR Issued MS4 Acceptance Date	11/8/2017	

Contractor Name	MC Avino, Inc. Northport, NY
Start of Work Date:	

TOR Inspections			
Date	Letter	Violations	Addressed (Y/N)
5/29/2019	y	n	

Notes:

Northville Commerce Park			
ADDRESS	Old Country Rd, Riverhead, NY 11901		
SCTM NO.	0600-84-4-28		
OWNER	Richard Israel		
DEVELOPER		**Name of Contact**	Richard Israel
Northville Commerce Park		**Contact No.**	631-902-5200
SWPPP Consultant		**Name of Contact**	Douglas Adams, P.E.
Young and Young		**Contact No.**	631-727-2303
DATE SWPPP SUBMITTED	11/20/2012		
SWPPP FEE	$3,500.00		
Area of Land (acres)	3.8 Acres		

TOR REVISION LETTERS DATED	**CONSULTANT REVISION LETTER DATE**
Reviewer:	
No. Date	
1	
2	
3	
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TOR Issued MS4 Acceptance Date	2/28/2013
Contractor Name	Northville Commerce Park
Start of Work Date:	4/1/2013

TOR Inspections

Date	Letter	Violations	Addressed (Y/N)
Closed 12/11/2015			
11/16/18 NOT			

Notes:

9/15/2011	TOR Planning Dept. Application for Site Plan Approval
12/27/2011	TOR Planning Dept. Site Plan Memo
3/15/2012	TOR Planning Dept. Site Plan Memo
11/14, 20, 21/2012	Emails to consultant for review fee
12/13/2012	TOR Planning Dept. Site Plan Raynor Memo

Old Orchard at Baiting Hollow			
ADDRESS	Young's Avenue, Riverhead, NY 11901		
SCTM NO.	0600-80-02-2.1		
OWNER	Joseph G. Manzi Irrevocable Trust		
DEVELOPER		**Name of Contact**	John Cangemi
Manzi Homes East, LLC		**Contact No.**	631-744-2655
SWPPP Consultant		**Name of Contact**	Jeffrey Butler
Butler Engineering		**Contact No.**	631-208-8850
DATE SWPPP SUBMITTED	6/23/2015		
SWPPP FEE	$3,500.00		
Area of Land (acres)	51.3 Acres		

TOR REVISION LETTERS DATED		**CONSULTANT REVISION LETTER DATE**
Reviewer:		
No.	Date	
1	7/2/2015	7/13/2015
2	7/17/2015	12/28/2015
3	3/8/2016	3/24/2016
4	3/28/2016	
5		

TOR Issued MS4 Acceptance Date 3/30/2016

Contractor Name Cardo

Start of Work Date: 9/8/2016

TOR Inspections

Date	Letter	Violations	Addressed (Y/N)	
9/8/2016		Y	N	
9/9/2016		Y	Y	Conditional Approval
3/22/2019	y		n	
6/14/2021	y	y	n	
10/5/2021	y	y	n	

Notes:

9/15/2011 TOR Planning Dept. Application for Site Plan Approval
12/27/2011 TOR Planning Dept. Site Plan Memo
3/15/2012 TOR Planning Dept. Site Plan Memo
11/14, 20, 21/2012 Emails to consultant for review fee
12/13/2012 TOR Planning Dept. Site Plan Raynor Memo

Peconic Equities			
ADDRESS	61 Main Rd (NYS 25)		
SCTM NO.	0600-85-1-8.1		
OWNER			
DEVELOPER		**Name of Contact**	
		Contact No.	
SWPPP Consultant		**Name of Contact**	Dan Peveraro, P.E.
Key Civil Engineering		**Contact No.**	631-961-0506
DATE SWPPP SUBMITTED			
SWPPP FEE			
Area of Land (acres)	3.35 Acres		
TOR REVISION LETTERS DATED		**CONSULTANT REVISION LETTER DATE**	
Reviewer:			
No.	Date		
1			
2			
3			
4			
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TOR Issued MS4 Acceptance Date			
Contractor Name			
Start of Work Date:			
TOR Inspections			
Date	Letter	Violations	Addressed (Y/N)
Notes:			

Peconic Iron Works			
ADDRESS	168 Kroemer, Riverhead		
SCTM NO.	0600-119-1-28.002		
OWNER	Thomas Berglin		
DEVELOPER		**Name of Contact**	Tom Berglin
		Contact No.	
SWPPP Consultant	Young & Young	**Name of Contact**	T. Wolpert
		Contact No.	631-727-2303
DATE SWPPP SUBMITTED	11/10/2009		
SWPPP FEE	$433.54		
Area of Land (acres)	2.3354 Acres		

TOR REVISION LETTERS DATED		**CONSULTANT REVISION LETTER DATE**
Reviewer:		
No.	Date	
1	12/15/2009	3/15/2010
2	3/23/2010	6/2/2010
3	6/10/2010	7/8/2010
4	7/8/2010	7/9/2010
5	7/12/2010	9/27/2010

TOR Issued MS4 Acceptance Date 10/4/2010 Conditional

Contractor Name

Start of Work Date:

TOR Inspections

Date	Letter	Violations (Y/N)	Addressed (Y/N)

Notes:

11/25/2008	Planning Memo
5/29/2009	Planning Dept. Staffing Memo
8/24/2009	Planning Dept. Staffing Memo
8/31/2009	Planning Dept. Site Plan Memo
11/24/2009	TOR Eng. Ltr To Peconic Iron Works requesting fee

1998 Peconic, LLC			
ADDRESS	558 Edwards Ave, Calverton		
SCTM NO.	0600-117-2-28		
OWNER	1998 Peconic LLC		
DEVELOPER	1998 Peconic LLC	**Name of Contact**	Paul Elliott
		Contact No.	(631) 928-9
SWPPP Consultant	Young & Young	**Name of Contact**	Doug Adar
		Contact No.	631-727-23
DATE SWPPP SUBMITTED	7/25/2013		
SWPPP FEE	$3,500.00		
Area of Land (acres)	3.6278 Acres		

TOR REVISION LETTERS DATED	**CONSULTANT REVISION LETT**
Reviewer:	
No. Date	
1 8/7/2013	
2	
3	
4	
5	

TOR Issued MS4 Acceptance Date 8/7/2013

Contractor Name 1998 Peconic LLC

Start of Work Date: 9/10/2013

TOR Inspections

Date	Letter	Violations (Y/N)	Addressed (Y/N)
9/25/2013	9/25/2013	N	

Notes:

2/27/2013 TOR Eng. Ltr To 1998 Peconic LLC requesting fee

12/12/2011 TOR Eng. Ltr To 1998 Peconic LLC requesting fee

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ER DATE

	Peconic Care		
ADDRESS	Jan Way, Riverhead, NY 11933		
SCTM NO.	0600-135-1-7.56 & 7.002		
OWNER	EBDK at Calverton, LLC		
DEVELOPER		**Name of Contact**	
		Contact No.	
SWPPP Consultant	Cameron Engineering & As	**Name of Contact**	Michael De
		Contact No.	631-827-49
DATE SWPPP SUBMITTED	3/30/2016		
SWPPP FEE	$3,500.00	3/30/2016	
Area of Land (acres)	39 836 Acres		

TOR REVISION LETTERS DATED		**CONSULTANT REVISION LETTE**
Reviewer:		
No.	Date	
1	4/15/2016	8/3/2016
2	8/23/2016	12/22/2016
3	1/10/2017	
4		
5		

TOR Issued MS4 Acceptance Date 1/10/2017

Contractor Name

Start of Work Date:

TOR Inspections

Date	Letter	Violations (Y/N)	Addressed (Y/N)

Notes:

3/18/2016 TOR Eng. email To Cameron requesting fee

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R DATE

6333 Realty Group - Proposed Veterinarian Hospital and Retail/Office Buildings			
ADDRESS	1 Orange Ct, Mount Sinai, NY 11766		
SCTM NO.	0600-073-1-1.15		
OWNER	George DuBato		
DEVELOPER		**Name of Contact**	George DuBato
		Contact No.	631-929-0200
SWPPP Consultant		**Name of Contact**	Jeffrey Butler
Richard Searles Architect		**Contact No.**	631-208-8850
DATE SWPPP SUBMITTED			
SWPPP FEE	$333.72		
Area of Land (acres)	1.3372 Acres		

TOR REVISION LETTERS DATED	**CONSULTANT REVISION LETTER DATE**
Reviewer: **CF/DD**	
No. Date	
1	
2	
3	
4	
5	

TOR Issued MS4 Acceptance Date

Contractor Name

Start of Work Date:

TOR Inspections

Date	Letter	Violations	Addressed (Y/N)

Notes:

11/14/2011 TOR Planning Dept. Site Plan Checklist

11/7/2011 TOR Planning Dept. Application for Site Plan Approval

5/30/2012 TOR Eng. Ltr to 6333 Realty/Veterinarian Hosp re SWPPP Fee

Real Life Church			
ADDRESS	29 Dog Wood Drive, Riverhead, NY 11792		
SCTM NO.	0600-72-02-7 and 8		
OWNER	Real Life Church		
DEVELOPER		**Name of Contact**	Rich Jahn
Infinity Building Solutions, Inc.		**Contact No.**	631-995-89
SWPPP Consultant		**Name of Contact**	Bob de Bru
Robert W. de Bruin		**Contact No.**	516-513-13
DATE SWPPP SUBMITTED	6/26/2019		
SWPPP FEE	$3,500.00		
Area of Land (acres)	2 Acres		

TOR REVISION LETTERS DATED		**CONSULTANT REVISION LETTER**
Reviewer:	**Meredith Byers**	
No.	Date	
1	7/12/2019	9/25/2019
2	10/15/2019	10/22/2019
3	11/8/2019	
4		
5		

TOR Issued MS4 Acceptance Date 11/8/2019

Contractor Name

Start of Work Date:

TOR Inspections

Date	Letter	Violations (Y/N)	Addressed (Y/N)	
				Final Inspection

Notes:

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R DATE

Redwood Farm			
ADDRESS	1039 Sound Ave, Calverton, NY		
SCTM NO.	0600-58-02-P/O 13.1 & P/O 14		
OWNER	Kenneth Kaufold		
DEVELOPER		**Name of Contact**	Kenneth Ka
Kenneth Kaufold		**Contact No.**	516-297-75
SWPPP Consultant	Robert Manniello	**Name of Contact**	Robert Mar
		Contact No.	631-549-47
DATE SWPPP SUBMITTED	7/9/2013		
SWPPP FEE	$3,500.00		
Area of Land (acres)	39 Acres		

TOR REVISION LETTERS DATED		**CONSULTANT REVISION LETTER**
Reviewer:		
No.	Date	
1	7/11/2013	7/19/2013
2	7/22/2013	8/2/2013
3		
4		
5		

TOR Issued MS4 Acceptance Date 8/2/2013

Contractor Name Archery Construction

Start of Work Date:

TOR Inspections

Date	Letter	Violations (Y/N)	Addressed (Y/N)	
10/16/2015		N		Final Inspection

Notes:

3/4/2013 TOR letter sent requesting rvw fee

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	Riverhead Charter School		
ADDRESS	3685 Middle Country Road		
SCTM NO.	0600-99-2-9.1		
OWNER	Riverhead Charter School		
DEVELOPER		**Name of Contact**	Deborah R
Riverhead Charter School		**Contact No.**	631-369-58
SWPPP Consultant		**Name of Contact**	Erik Dee-C
P.W. Grosser Consulting, Inc		**Contact No.**	631-589-63
DATE SWPPP SUBMITTED	2/13/2013		
SWPPP FEE	$3,500.00		
Area of Land (acres)	5.981 Acres		

TOR REVISION LETTERS DATED		**CONSULTANT REVISION LETT**
Reviewer:		
No.	Date	
1	2/27/2013	5/6/2013
2	5/21/2014	
3		
4		
5		

TOR Issued MS4 Acceptance Date	5/21/2013
Contractor Name	School Construction Consultants
Start of Work Date:	9/13/2013

TOR Inspections

Date	Letter	Violations (Y/N)	Addressed (Y/N)
9/25/2013	9/25/2013	N	

Notes:

11/2/2012 TOR letter sent requesting rvw fee

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ER DATE

Riverhead Buick GMC/Riverhead Ford			
ADDRESS	1419 Old Country Road, Riverhead, NY 11901		
SCTM NO.	0600-108-2-17.1 19.1; 125-1-3.1		
OWNER	Richard Israel		
DEVELOPER	L.S. Family Limited Partnership	**Name of Contact**	Tom Williams
		Contact No.	631-727-2200
SWPPP Consultant		**Name of Contact**	Kelly Risotto
Land Use Ecological nalysts LLC		**Contact No.**	631-727-2400
DATE SWPPP SUBMITTED	3/9/2018		
	1/9/2019	(revised)	
SWPPP FEE	$3,500.00		
Area of Land (acres)	14 Acres		

TOR REVISION LETTERS DATED		**CONSULTANT REVISION LETTER DATE**
Reviewer:		
No.	Date	
1	4/3/2018	6/7/2018
2	7/5/2018	8/8/2018
3	8/21/2018	9/12/2018
4	10/1/2018	
5	1/9/2019	2/12/2019
	2/13/2019	3/28/2019

TOR Issued MS4 Acceptance Date	10/1/2018
	(3/28/19)
Contractor Name	JNS Development
Start of Work Date:	

TOR Inspections			
Date	Letter	Violations (Y/N)	Addressed (Y/N)

Notes:

Riverhead Commons			
ADDRESS	780 Old Country Rd, Riverhead, NY 11901 (CR 58)		
SCTM NO.	0600-82-3-17		
OWNER	Richard Israel		
DEVELOPER	Riverhead Commons, LLC	**Name of Contact**	Richard Israel
		Contact No.	631-727-5500
SWPPP Consultant		**Name of Contact**	Doug Adams
DEA Engineering		**Contact No.**	631-727-2303
DATE SWPPP SUBMITTED	12/13/2017		
SWPPP FEE	$3,500.00		
Area of Land (acres)	6.1 Acres		

TOR REVISION LETTERS DATED		**CONSULTANT REVISION LETTER DATE**
Reviewer:		
No.	Date	
1	12/29/2018	3/23/2018
2	3/29/2018	4/17/2018
3	4/25/2018	4/26/2018
4	4/27/2018	5/2/2018
5	5/3/2018	

TOR Issued MS4 Acceptance Date	5/3/2018
Contractor Name	Diamond Builders, Inc.
Start of Work Date:	5/17/2018

TOR Inspections

Date	Letter	Violations (Y/N)	Addressed (Y/N)
7/9/2018	y	n	

Notes:

Riverhead Dodge			
ADDRESS	1716 Old Country Rd, Riverhead		
SCTM NO.	101.-1-10.21		
OWNER	Mary Ellen Real Estate Company LLC		
DEVELOPER	Red Rock Industries, Inc.	**Name of Contact**	Dom Del Monaco
		Contact No.	631-831-1691
SWPPP Consultant	Petracca Design and Engineering, P.C.	**Name of Contact**	Elizabeth Allegretta
DATE SWPPP SUBMITTED	3/13/2020	**Contact No.**	631-361-9825
	Revised calcs to reduce pools 4/14/202		
SWPPP FEE	$3,500.00		
Area of Land (acres)	3.92 Acres		

TOR REVISION LETTERS DATED			**CONSULTANT REVISION LETTER DATE**
Reviewer: Meredith Byers			
No.	Date		
1	3/13/2020	DED	4/30/2020
2	5/15/2020		6/9/2020
3	6/23/2020		7/8/2020
4	7/23/2020		7/27/2020
5	8/10/2020		
1	12/16/2021		10/29/2021
			8/25/2022

TOR Issued MS4 Acceptance Date
8/12/2020
Contractor Name
Start of Work Date:

TOR Inspections			
Date	Letter	Violations (Y/N)	Addressed (Y/N)
7/27/2022	7/29/2022	Y	N
3/2/2023	3/2/2023	Y	N
7/11/2023	7/13/2023	Y	N

Notes:

Riverhead Islamic Center			
ADDRESS	751 Harrison Ave		
SCTM NO.	0600-102-3-21 and 22		
OWNER	Mohammed Iqbal		
DEVELOPER		**Name of Contact**	
		Contact No.	917-562-8785
SWPPP Consultant	Kosuri Engineering & Consulting, P.C.	**Name of Contact**	Eshwar Kosuri, P.E.
	Brian A. Fisher, Architect, P.C.		Brian Fisher
DATE SWPPP SUBMITTED	1/23/2019	**Contact No.**	516-365-7400
	11/1/2019	Request for waiver	631-249-0970
SWPPP FEE	$3,500.00		
Area of Land (acres)	1.2 Acres		

TOR REVISION LETTERS DATED	**CONSULTANT REVISION LETTER DATE**
Reviewer:	
No. Date	
1 2/12/2019	11/1/2019 Request for waiver
2 11/26/2019	
3	
4	
5	

TOR Issued MS4 Acceptance Date
Contractor Name
Start of Work Date:
TOR Inspections
Date Letter Violations (Y/N) Addressed (Y/N)
Notes:

Riverhead Retail Center			
ADDRESS	Old Country Road		
SCTM NO.	0600-108-2-6.1		
OWNER	Inheritance Development LLC		
DEVELOPER		**Name of Contact**	Joseph Tosini
		Contact No.	631-862-1640
SWPPP Consultant		**Name of Contact**	Trey Wehrum
Paulus, Sokolowski and Sartor		**Contact No.**	516-512-7373
DATE SWPPP SUBMITTED	3/18/2009		
SWPPP FEE	$378.00		
Area of Land (acres)	1.78 Acres		

TOR REVISION LETTERS DATED	**CONSULTANT REVISION LETTER DATE**
Reviewer:	
No. Date	
1 4/30/2009	
2	
3	
4	
5	

TOR Issued MS4 Acceptance Date
Contractor Name
Start of Work Date:

TOR Inspections			
Date	Letter	Violations (Y/N)	Addressed (Y/N)

Notes:	
1/16/2009	Planning Dept. Staffing Memo
3/25/2009	TOR Eng. Ltr to Developer for SWPPP Fee

Riverhead Solar 2			
ADDRESS	Middle Country Road		
SCTM NO.	600-117-2-4.1, 600-117-2-7.2, 600-117-2-8.2, 600-117-1-6, 600-116-2-7.4, 600-136-1-1, 600-116-2-3, 600-116-2-2, 600-116-2-1.1, 600-98-1-2		
OWNER	Riverhead Solar 2, LLC		
DEVELOPER		**Name of Contact**	Logan Gulick
		Contact No.	866-757-7697
SWPPP Consultant		**Name of Contact**	Michael Junghans, P.E.
Kimley-Horn		**Contact No.**	1-914-368-9200
DATE SWPPP SUBMITTED	1/20/2022		
	6/29/2022		
SWPPP FEE	$6,000 on 7/8/22		
Area of Land (acres)	96.4 Acres		

TOR REVISION LETTERS DATED		**CONSULTANT REVISION LETTER DATE**
Reviewer:	**DED**	
No.	Date	
1	1/21/2022	1/25/2022
2	1/27/2022	1/28/2022
3	1/28/2022	1/31/2022
1	7/28/2022	6/29/2022 SWPPP not sent by Town til 7/22
2	12/8/2022	12/15/2022
3	12/20/2022	

TOR Issued MS4 Acceptance Date	1/31/2022 Tree Clearing only
	12/20/2022
Contractor Name	
Start of Work Date:	

TOR Inspections			
Date	Letter	Violations (Y/N)	Addressed (Y/N)

Notes:

Bowl 58, LLC			
ADDRESS	96 Main Road, Riverhead, NY		
SCTM NO.	600-85-1-5		
OWNER	Route 58 LLC		
DEVELOPER		**Name of Contact**	Joe Abanese
		Contact No.	631-873-5345
SWPPP Consultant		**Name of Contact**	Allen Bernard
Allen Glenn Bernard, P.E., P.C.		**Contact No.**	631-805-2349
DATE SWPPP SUBMITTED	10/27/2008		
SWPPP FEE	N/A		
Area of Land (acres)	6.2 Acres		

TOR REVISION LETTERS DATED		**CONSULTANT REVISION LETTER DATE**
Reviewer:		
No.	Date	
1	10/27/2008	11/5/2008
		11/7/2008

TOR Issued MS4 Acceptance Date	11/7/2008

Contractor Name	West-Rac	
Start of Work Date:	Palatial	
	Bayport Flower Houses	
TOR Inspections	Guillo Contracting	

Date	Letter	Violations (Y/N)	Addressed (Y/N)

Notes:

10/3/2008	Charles Cuddy Ltr TOR regarding Grading and erosion plan
10/3/2008	CF Email to Building and C. Cuddy referecing Code Chapter 110 for SWPPP Requirements
10/6/2008	CF Letter to C. Cuddy regarding SWPPP requirements - reference stop work order for continuing to work without approved SWPPP
10/20/2008	DOT Ltr Re Bowl 58
6/2/2010	TOR ltr Albanese to stabalize construction site due to inactivity.

Saber-Riverhead LLC-Retail Shopping Center			
ADDRESS	5600A Broadway, Bronx, New York 10463		
SCTM NO.	600-119-01-07 & 23.01		
OWNER	MGHW Riverhead LLC		
DEVELOPER		**Name of Contact**	
		Contact No.	
SWPPP Consultant VHB, Engineering, Surveying & Landscape Architecture, P.C.		**Name of Contact**	Angelo Laino
		Contact No.	(631) 234-3444 x3409
DATE SWPPP SUBMITTED	11/13/2012		
SWPPP FEE	$3,500.00		
Area of Land (acres)	13.193 Acres		

TOR REVISION LETTERS DATED	**CONSULTANT REVISION LETTER DATE**
Reviewer:	
No. Date	
1	11/16/2012
2	11/21/2012
3	1/10/2013
	1/15/2013
TOR Issued MS4 Acceptance Date 1/17/2013	

Contractor Name	Saber-Riverhead 58 LLC
Start of Work Date:	2/11/2013

TOR Inspections

Date	Letter	Violations	Addressed (Y/N)
4/4/2013	4/5/2013	Y	N
4/12/2013	4/17/2013	N	Y
9/12/2013	9/12/2013	Y	N
9/23/2013	9/24/2013	N	Y
7/13/2015	7/14/2015	N	N

Notes:

TOR Fee request ltr sent 8/16/2012 - Fees not received

New code effective 11/8/12 requiring deposit of $3,500

11/13/12 TOR letter transmitting SWPPP to D&B

Sandalwood Lane Subdivision			
ADDRESS	115 Sandalwood Lane		
SCTM NO.	600-112-1		
OWNER	Jeff Okula		
DEVELOPER		**Name of Contact**	Jeff Okula
		Contact No.	631-707-5623
SWPPP Consultant		**Name of Contact**	Michael Mapes, P.E.
		Contact No.	631-369-2170
DATE SWPPP SUBMITTED	7/18/2012		
SWPPP FEE	$500		
Area of Land (acres)	3 Acres		

TOR REVISION LETTERS DATED		**CONSULTANT REVISION LETTER DATE**
Reviewer:		
No.	Date	
1	7/20/2012	No Letter - SWPPP dated 7/2/12
2	8/1/2012	No Letter - SWPPP dated 7/2/12
3	8/7/2012	No Letter - SWPPP dated 7/2/12

TOR Issued MS4 Acceptance Date 8/7/2012

Contractor Name

Start of Work Date:

TOR Inspections

Date	Letter	Violations	Addressed (Y/N)

Notes:

Sandy Pond Links, LLC			
ADDRESS	Roanoke Ave., Riverhead, NY 11901		
SCTM NO.			
OWNER			
DEVELOPER		**Name of Contact**	
		Contact No.	
SWPPP Consultant		**Name of Contact**	Doug Adams
Young Associates		**Contact No.**	631-727-2303
DATE SWPPP SUBMITTED 2/2/2024			
SWPPP FEE	$3,500.00 (2/2/2024)		
Area of Land (acres)			
TOR REVISION LETTERS DATED		**CONSULTANT REVISION LETTER DATE**	
Reviewer:			
No.	Date		
1	2/20/2024	2/21/2024	
2	2/23/2024	3/11/2024	
3			
4			
5			
TOR Issued MS4 Acceptance Date	3/11/24 (SWPPP Waiver)		
Contractor Name			
Start of Work Date:			
TOR Inspections			
Date	Letter	Violations	Addressed (Y/N)
Notes:			

Schenck Quick Stop			
ADDRESS	3705 Middle Country Road, Calverton NY 11933		
SCTM NO.	600-85-1-5		
OWNER	Schenck Quick Stop, LLC		
DEVELOPER		**Name of Contact**	Rodney Herrlin
		Contact No.	631-873-5345
SWPPP Consultant		**Name of Contact**	Chris Tartaglia, P.E.
High Point Engineering		**Contact No.**	516-433-4320
DATE SWPPP SUBMITTED	4/21/2008		
SWPPP FEE	N/A		
Area of Land (acres)	1.8 Acres		

TOR REVISION LETTERS DATED		**CONSULTANT REVISION LETTER DATE**
Reviewer:		
No.	Date	
1	4/24/2008	5/5/2008
TOR Issued MS4 Acceptance Date		N/A - approved SWPPP for Bldg Permit on 6/20/2008

Contractor Name	Aventura Construction Services
Start of Work Date:	

TOR Inspections

Date	Letter	Violations	Addressed (Y/N)	
7/3/2008	N	y	y	
7/7/2008	n	n	y	Items discussed during 7/3/2008 were being implemented

Notes:

Schwing Electrical Supply			
ADDRESS	1328 East Main Street		
SCTM NO.	600-105-1-18.1		
OWNER	PBJ Realty LLC		
DEVELOPER		**Name of Contact**	Jim Terry
Terry Contracting		**Contact No.**	631-727-0170
SWPPP Consultant	L.K. McLean Associates, LLC	**Name of Contact**	Raymond DiBiase, P.E
		Contact No.	631-286-8668
DATE SWPPP SUBMITTED	11/28/2017		
SWPPP FEE	$3,500		
Area of Land (acres)	2.3 Acres		

TOR REVISION LETTERS DATED	**CONSULTANT REVISION LETTER DATE**
Reviewer: **D&B**	
No. Date	
1	

TOR Issued MS4 Acceptance Date

Contractor Name

Start of Work Date:

TOR Inspections

Date	Letter	Violations (Y/N)	Addressed (Y/N)

Notes: 11/28/2017 Prelim SP approval not received. Review on hold.

Sea Crest Estates			
ADDRESS	Sound Shore Road, Riverhead, NY 11901		
SCTM NO.	600-8-2-4		
OWNER	The Villas at Roanoke, LLC		
DEVELOPER		**Name of Contact**	Gerald Simone
Gendot Homes		**Contact No.**	631-929-5870
SWPPP Consultant		**Name of Contact**	Doug Adams
DEA Engineering		**Contact No.**	631-774-3521
DATE SWPPP SUBMITTED 12/9/2022			
SWPPP FEE	$6,000.00 (12/12/2022)		
Area of Land (acres)	11.1 Acres		

TOR REVISION LETTERS DATED		**CONSULTANT REVISION LETTER DATE**
Reviewer:		
No.	Date	
1	2/5/2023	2/7/2023
2	2/7/2023	2/9/2023
3	2/9/2023	2/10/2023
4	2/10/2023	2/10/2023
5		

TOR Issued MS4 Acceptance Date 2/10/2023

Contractor Name

Start of Work Date:

TOR Inspections

Date	Letter	Violations	Addressed (Y/N)
12/19/2023	Y	Y	N
1/26/2024	y	n	

Notes:

Secure Store USA			
ADDRESS	301 Jan Way, Calverton NY 11933		
SCTM NO.	0600-135.2-1-22		
OWNER	Frank Palmieri		
DEVELOPER		**Name of Contact**	Frank Palmieri
		Contact No.	631-727-6937
SWPPP Consultant		**Name of Contact**	Michael Mapes, P.E.
Michael Mapes,P.E.		**Contact No.**	631-369-2170
DATE SWPPP SUBMITTED	6/20/2010		
SWPPP FEE	$677.00		
Area of Land (acres)	4.77 Acres		

TOR REVISION LETTERS DATED		**CONSULTANT REVISION LETTER DATE**
Reviewer:	**DD**	
No.	Date	
1	7/29/2010	8/2/2010
2		10/15/2010 Many (9) emails to expedite revisions
3	10/18/2010	
4		
5		
TOR Issued MS4 Acceptance Date		10/18/2010 Conditional

Contractor Name

Start of Work Date:

TOR Inspections

Date	Letter	Violations	Addressed (Y/N)
10/4/2011	10/4/2011	y	y

Notes:

4/7/2009	Planning Dept. Site Plan Checklist
1/20/2010	Application for Site Plan Approval
1/22/2010	TOR Eng. Ltr Frank Palmieri Requesting SWPPP & Fee
2/26/2010	Planning Dept. Site Plan Memo
3/31/2010	Planning Dept. Site Plan Checklist
4/30/2010	Planning Dept. Site Plan Memo
6/14/2010	Memo to Accounting receiving SWPPP fee
7/7/2010	Planning Dept. Site Plan Memo
5/6/2011	Revised drawings dated 4-28-11 submitted showing reduced erosion controls approved per SMO.

Serendipity Farm			
ADDRESS	CO Rd 58, Riverhead, NY 11901		
SCTM NO.	600-81-01-20.5 & 20.4		
OWNER	Serendipity Farm LLC		
DEVELOPER		**Name of Contact**	Lauton Adams
Footings First		**Contact No.**	800-234-2160
SWPPP Consultant		**Name of Contact**	Jeffrey Butler, P.E.
Butler Engineering		**Contact No.**	631-208-8850
DATE SWPPP SUBMITTED	4/30/2014		
SWPPP FEE	$3,500.00		
Area of Land (acres)	17 Acres		

TOR REVISION LETTERS DATED	**CONSULTANT REVISION LETTER DATE**
Reviewer: **DD**	
No. Date	
1 5/5/2014	5/6/2014
2	
3	
4	
5	

TOR Issued MS4 Acceptance Date 5/7/2014

Contractor Name

Start of Work Date:

TOR Inspections

Date	Letter	Violations	Addressed (Y/N)

Notes:

The Shops at Riverhead			
ADDRESS	CO Rd 58, Riverhead, NY 11901		
SCTM NO.	0600-101-01-p/o 03; 0600-119.00-01.00-p/o 005.001 and 006.000		
OWNER	Heritage Riverhead Retail Developers LLC		
DEVELOPER		**Name of Contact**	Brixmoor Property Group
		Contact No.	646-344-8645
SWPPP Consultant		**Name of Contact**	Lou Kalogeras, P.E.
E.S. Kalogeras, P.E.		**Contact No.**	631-722-4040
DATE SWPPP SUBMITTED	7/2/2012		
SWPPP FEE	$4,355.00		
Area of Land (acres)	41.55 Acres		

TOR REVISION LETTERS DATED	**CONSULTANT REVISION LETTER DATE**
Reviewer: **DD**	
No. Date	
1 11/27/2012	2/4/2013
2	
3	
4	
5	

TOR Issued MS4 Acceptance Date 2/28/2013

Contractor Name

Start of Work Date: 6/15/2013

TOR Inspections

Date	Letter	Violations	Addressed (Y/N)
7/5/2013	7/5/2013	Y	Y
4/18/2017	4/19/2017	N	

Notes:

Splish Splash Water Park			
ADDRESS	2549 Splish Splash Drive, Calverton, NY 11933		
SCTM NO.	600-118-1-4.1		
OWNER	Splish Splash/Festival Fun Parks LLC		
DEVELOPER		**Name of Contact**	Michael Bengtson
Splish Splash/Festival Fun Parks LLC		**Contact No.**	631-727-8300
SWPPP Consultant		**Name of Contact**	Charles Beckert
H2M Architects + Engineers		**Contact No.**	631-756-8000
DATE SWPPP SUBMITTED 3/23/2015			
SWPPP FEE			
Area of Land (acres)	2.6 Acres		

TOR REVISION LETTERS DATED		**CONSULTANT REVISION LETTER DATE**
Reviewer:		
No.	Date	
1	4/7/2015	5/14/2015
2	5/29/2015	6/2/2015
3	6/5/2015	
4		
5		

TOR Issued MS4 Acceptance Date 6/5/2015

Contractor Name

Start of Work Date:

TOR Inspections

Date	Letter	Violations	Addressed (Y/N)
6/16/2015	6/18/2015	N	

Notes:

sPower Calverton			
ADDRESS	4153 Middle Country Road, Calverton, NY 11933		
SCTM NO.	600-137-1-32.1		
OWNER	sPower		
DEVELOPER		**Name of Contact**	Ryan Galeria
		Contact No.	
SWPPP Consultant		**Name of Contact**	Kevin Walsh
VHB, Engineering, Surveying & Landscape Architecture, P.C.		**Contact No.**	631-787-3400
DATE SWPPP SUBMITTED	7/5/2018		
SWPPP FEE	$3,500.00		
Area of Land (acres)	113.9 Acres		

TOR REVISION LETTERS DATED		**CONSULTANT REVISION LETTER DATE**
Reviewer:		
No.	Date	Date
1	7/20/2018	7/26/2018
2	8/8/2018	8/13/2018
3	8/15/2018	8/16/2018
4		
5		

TOR Issued MS4 Acceptance Date 8/16/2018

Contractor Name

Start of Work Date:

TOR Inspections

Date	Letter	Violations	Addressed (Y/N)	
10/18/2019	y	y	n	
10/1/2020	y	n		Final Inspection

Notes:

sPower - Riverhead			
ADDRESS	194 Edwards Ave, Riverhead, NY 11901		
SCTM NO.	600-137-1-32.1		
OWNER	sPower		
DEVELOPER		**Name of Contact**	Christian Wiedemann
		Contact No.	415-692-7733
SWPPP Consultant		**Name of Contact**	Kevin Walsh
VHB, Engineering, Surveying & Landscape Architecture, P.C.		**Contact No.**	631-234-3477
DATE SWPPP SUBMITTED		9/8/2014	
SWPPP FEE	$3,500.00 (8/20/2014)		
Area of Land (acres)	45.1 Acres		

TOR REVISION LETTERS DATED		**CONSULTANT REVISION LETTER DATE**
Reviewer:		
No.	Date	
1	9/17/2014	9/15/14, 9/16/14
2	9/30/2014	9/26/2014
3		
4		
5		

TOR Issued MS4 Acceptance Date 10/3/2014

Contractor Name

Start of Work Date:

TOR Inspections

Date	Letter	Violations	Addressed (Y/N)
11/26/2014	12/1/2014	Y	Y
12/8/2014	12/9/2014	N	
10/21/2015	10/22/2015	N	

Notes: Closed 11/25/15

STR Systems NY, LLC			
ADDRESS	Middle Country Road (NYS Rte. 25)		
SCTM NO.	600-117-2-9.2		
OWNER	STR Systems NY, LLC		
DEVELOPER		**Name of Contact**	Todd Roberts
		Contact No.	646-675-1853
SWPPP Consultant		**Name of Contact**	Douglas Adams
Young & Young		**Contact No.**	631-727-2303
DATE SWPPP SUBMITTED	6/26/2014		
SWPPP FEE	$3,500.00		
Area of Land (acres)	32.2 Acres		

TOR REVISION LETTERS DATED		**CONSULTANT REVISION LETTER DATE**
Reviewer:	**Bowne D&B**	
No.	Date	
1	7/1/2014	9/25/2014
2		
3		
4		
5		

TOR Issued MS4 Acceptance Date 9/25/2014

Contractor Name

Start of Work Date:

TOR Inspections

Date	Letter	Violations	Addressed (Y/N)
1/12/2015			
11/13/2015			

Notes:

Town of Riverhead Landfill Solar Farm			
ADDRESS	483 Youngs Avenue, Calverton, NY 11933		
SCTM NO.	600-80-2-6.001		
OWNER	CVE US NY Riverhead 215 LLC		
DEVELOPER		**Name of Contact**	
		Contact No.	
SWPPP Consultant		**Name of Contact**	Steven Meersma
TRC Engineers, Inc.		**Contact No.**	212-221-7822
DATE SWPPP SUBMITTED	12/5/2023		
SWPPP FEE $6000 on 12/7/23			
Area of Land (acres)	69.9 Acres		
TOR REVISION LETTERS DATED		**CONSULTANT REVISION LETTER DATE**	
Reviewer:	**D&B**		
No.	Date		
1	12/22/2023	3/11/2024	
2	3/25/2024	4/26/2024	
3			
4			
5			
TOR Issued MS4 Acceptance Date	5/9/2024		
Contractor Name			
Start of Work Date:			
TOR Inspections			
Date	Letter	Violations	Addressed (Y/N)
Notes:			

Tosini Riverhead			
ADDRESS	Old Country Road, Riverhead, NY 11901		
SCTM NO.	600-108-2-6.001		
OWNER	Inheritance Development Co. LLC		
DEVELOPER		**Name of Contact**	
		Contact No.	
SWPPP Consultant		**Name of Contact**	Anthony Stancanelli
Phronesis Engineering		**Contact No.**	631-750-7105
DATE SWPPP SUBMITTED	4/26/2022		
SWPPP FEE			
Area of Land (acres)	1.78 Acres		
TOR REVISION LETTERS DATED		**CONSULTANT REVISION LETTER DATE**	
Reviewer:	**D&B**		
No.	Date		
1	5/10/2022	8/26/2022	
2	9/30/2022	9/30/2022 consultant sent wrong appendices so resent correct appendices.	
3	10/19/2022	10/20/2022	
4	10/20/2022		
5			
TOR Issued MS4 Acceptance Date	10/20/2022		
Contractor Name			
Start of Work Date:			
TOR Inspections			
Date	Letter	Violations	Addressed (Y/N)
Notes:			

Tractor Supply Co.-Calverton			
ADDRESS	4331 Middle Country Road, Calverton, NY 11933		
SCTM NO.	600-116-1-1		
OWNER	Nerp Holding & Acquisitions Company, LLC		
DEVELOPER		**Name of Contact**	Mark D'Addabbo
Nerp Holding & Acquisitions Company, LLC		**Contact No.**	860-529-9000
SWPPP Consultant		**Name of Contact**	Joseph Deal, P.E.
Bohler Engineering		**Contact No.**	631-738-1200
DATE SWPPP SUBMITTED	5/7/2018		
SWPPP FEE	$3,500.00		
Area of Land (acres)	5.2 Acres		

TOR REVISION LETTERS DATED		**CONSULTANT REVISION LETTER DATE**
Reviewer:	**D&B**	
No.	Date	
1	5/24/2018	8/17/2018
2	9/12/2018	10/23/2018
3	11/9/2018	11/14/2018
4	12/3/2018	
5		

TOR Issued MS4 Acceptance Date 12/3/2018

Contractor Name

Start of Work Date:

TOR Inspections

Date	Letter	Violations	Addressed (Y/N)

Notes:

TRW Properties, LLC			
ADDRESS	1800 Old Country Road (CR 48), Riverhead, NY 11901		
SCTM NO.	600-119-1-5.5		
OWNER	TRW Properties, LLC		
DEVELOPER		**Name of Contact**	Raymond Tantillo
		Contact No.	631-369-0600
SWPPP Consultant		**Name of Contact**	Douglas Adams
D. Adams, PE, pllc		**Contact No.**	631-727-2303
DATE SWPPP SUBMITTED	7/7/2015		
SWPPP FEE	$3,500.00		
Area of Land (acres)	6.7 Acres		

TOR REVISION LETTERS DATED	**CONSULTANT REVISION LETTER DATE**
Reviewer: **Bowne**	
No. Date	
1 7/22/2015	7/24/2015
2 8/11/2015	8/12/2015
3 9/3/2015	
4	
5	

TOR Issued MS4 Acceptance Date 9/3/2015

Contractor Name TRW Properties, LLC

Start of Work Date: 9/23/2015

TOR Inspections

Date	Letter	Violations	Addressed (Y/N)
9/25/2015	9/28/2015	Y	
10/5/2021	Y	Y	N
			y

Notes:

Twin Fork Beer Company			
ADDRESS	Raynor Avenue, Riverhead, NY		
SCTM NO.	108-02-12		
OWNER	Twin Fork Beer Co.		
DEVELOPER	Twin Fork Beer Co.	**Name of Contact**	Dan Chekij
		Contact No.	631-209-42
SWPPP Consultant	Cramer Consulting Group	**Name of Contact**	Thomas W
		Contact No.	631-476-09
DATE SWPPP SUBMITTED 11/2/2017			
SWPPP FEE		$3,500.00 11/2/2017	
Area of Land (acres)		2.097 Acres	

TOR REVISION LETTERS DATED		**CONSULTANT REVISION LETTE**
Reviewer:	**D&B**	
No.	Date	
1	11/20/2017	1/9/2018
2		
3		
4		
5		

TOR Issued MS4 Acceptance Date

Contractor Name

Start of Work Date:

TOR Inspections

Date	Letter	Violations	Addressed (Y/N)

CLOSED 1/26/18 - Waiver

Notes:

jian
233
. Cramer, ASLA
984

R DATE

VanDeWetering Greenhouses, Inc.			
ADDRESS	5784 Sound Avenue, Jamesport		
SCTM NO.	0600-09-02-11		
OWNER	VanDeWeterning Greenhouses, Inc.		
DEVELOPER		**Name of Contact**	Walter Gravagna
		Contact No.	631-722-8757
SWPPP Consultant		**Name of Contact**	Jeffrey Butler
Jeff Butler		**Contact No.**	631-208-8850
DATE SWPPP SUBMITTED	1/20/2010		
SWPPP FEE	$3,600.00		
Area of Land (acres)	34.025 Acres		

TOR REVISION LETTERS DATED		**CONSULTANT REVISION LETTER DATE**
Reviewer:	**CF/DD**	
No.	Date	
1	2/22/2010	2/22/2010 Phase I
2	2/18//2011	4/27/2011 Phase II
3	5/2/2011	
4		
5		

TOR Issued MS4 Acceptance Date 2/23/2010 Phase I

Contractor Name

Start of Work Date:

TOR Inspections

Date	Letter	Violations	Addressed (Y/N)

Notes:

8/10/2010 TOR Planning Dept. Site Plan Checklist

9/3/2010 TOR Planning Dept. Application for Site Plan Approval

2/12/2010 TOR Eng. Ltr VDW re SWPPP Fee

Village at Jamesport			
ADDRESS	Main Rd (Rt 25), Jamesport		
SCTM NO.	0600-68-01-35		
OWNER	Jul-Bet Enterprises		
DEVELOPER		**Name of Contact**	Julius Klein
		Contact No.	631-208-3777
SWPPP Consultant		**Name of Contact**	Loretta Moschetta
VHB Eng., Surv. And Landscape Arch., P.C.		**Contact No.**	631-234-3444
DATE SWPPP SUBMITTED	1/20/2011		
SWPPP FEE	$1,170.00		
Area of Land (acres)	9.7 Acres		

TOR REVISION LETTERS DATED		**CONSULTANT REVISION LETTER DATE**
Reviewer:	**CF/DD**	
No.	Date	
1	2/14/2011	7/20/2012
2		
3		
4		
5		

TOR Issued MS4 Acceptance Date

Contractor Name Jul-Bet Enterprises

Start of Work Date:

TOR Inspections

Date	Letter	Violations	Addressed (Y/N)

Notes:

The Vistas of Baiting Hollow			
ADDRESS	Fox Hill Dr., Riverhead, NY 11933		
SCTM NO.	0600-40-5-6.1		
OWNER	Knolls at Fox Hill, Inc.		
DEVELOPER		**Name of Contact**	Russell Mohr
		Contact No.	516-745-0150
SWPPP Consultant		**Name of Contact**	Joseph A. Marx, P.E.
Barrett, Bonacci & Van Weele, PC		**Contact No.**	631-435-1111
DATE SWPPP SUBMITTED	2/8/2017		
SWPPP FEE	$3,500.00		
Area of Land (acres)	9.7 Acres		

TOR REVISION LETTERS DATED		**CONSULTANT REVISION LETTER DATE**
Reviewer:	**CF/DD**	
No.	Date	
1	3/2/2017	5/18/2017
2	6/5/2017	7/10/2017
3	7/14/2017	10/24/2017
4	11/13/2017	12/1/2017
5	12/15/2017	1/3/2018
6	1/12/2018	

TOR Issued MS4 Acceptance Date	1/12/2018
Contractor Name	Vistas of Baiting Hollow LLC
Start of Work Date:	

TOR Inspections

Date	Letter	Violations	Addressed (Y/N)
7/17/2020	y	n	
4/17/2023	n	n	ection conduct

PROJECT CLOSED

Notes:

Zwanger-Pesiri Radiology			
ADDRESS	1049 Osborn Avenue		
SCTM NO.	0600-108-2-9		
OWNER	1049 Osborn, LLC		
DEVELOPER		**Name of Contact**	Catherine Masci
		Contact No.	631-870-8716
SWPPP Consultant		**Name of Contact**	Michael C. Marinis, P.E.
Barrett, Bonacci & Van Weele, P.C.		**Contact No.**	631-435-1111
DATE SWPPP SUBMITTED	6/17/2014		
SWPPP FEE	$3,500.00		
Area of Land (acres)	2.4 Acres		

TOR REVISION LETTERS DATED		**CONSULTANT REVISION LETTER DATE**
Reviewer:	**D&B**	
No.	Date	
1	7/7/2014	2/19/2015
2	3/9/2015	6/3/2015
3	6/18/2015	
4	6/19/2015	
5		

TOR Issued MS4 Acceptance Date 6/19/2015

Contractor Name

Start of Work Date:

TOR Inspections

Date	Letter	Violations	Addressed (Y/N)

Notes: