

BROOME COUNTY

STORMWATER MANAGEMENT PROGRAM PLAN

Revised/Updated: March 2025

Broome County is a member of the
Broome-Tioga Stormwater Coalition



www.broometiogastormwater.com

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Introduction:

This Stormwater Management Program (SWMP) Plan has been developed to comply with Part IV.A of the New York State Department of Environmental Conservation General Permit for Stormwater Discharges from Municipal Separate Storm Sewers Systems, GP-0-08-002 (and supplemented/revised by GP-0-10-002, GP-0-15-003, and GP 0-24-001), for Broome County, which is classified as a **Traditional Non-Land Use Control MS4**. The purpose of this SWMPP is to provide policy and management guidance to the regulated Broome County MS4 Departments and facilities to maintain and/or improve water quality. The Broome County MS4 is a member of the Broome-Tioga Stormwater Coalition (BTSC), which exists by way of an intermunicipal agreement between its 15 participating members enacted through municipal resolution by each participating member. (A copy of the intermunicipal agreement is included in Appendix A.)

Appendix - A (“Stormwater Management Program (SWMP) Definition”) of GP-0-24-001 states:

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.

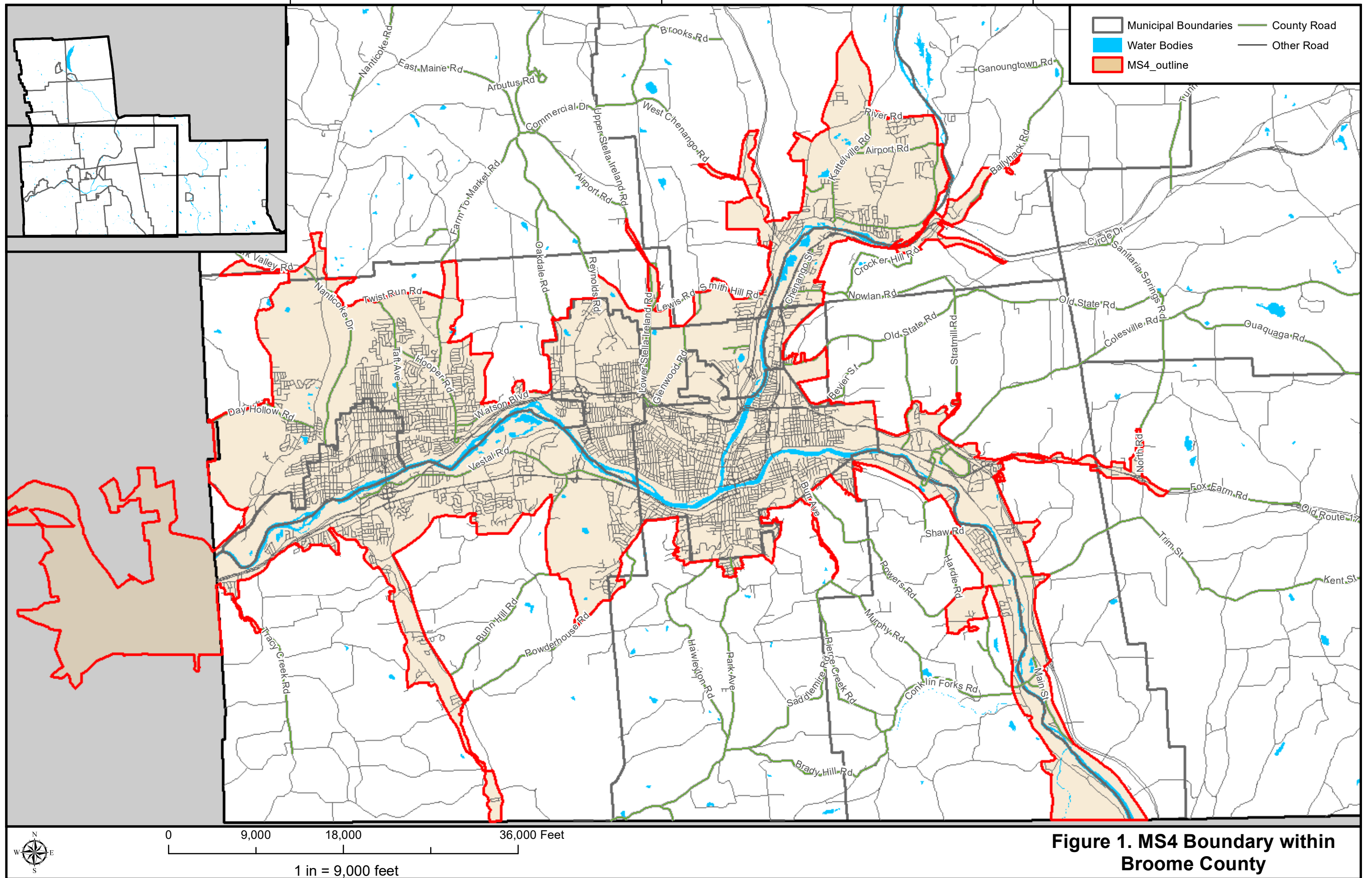
This SWMP Plan is based on Federal Stormwater Phase II rule, issued in 1999, which requires municipal separate storm sewers system (MS4) owners and operators, in the U.S. Census-defined urbanized areas as well as in additionally designated areas, to develop a Stormwater Management Program. There are six program elements designed to reduce the discharge of pollutants to the maximum extent practicable (MEP). The program elements, titled Minimum Control Measures (MCMs), include:

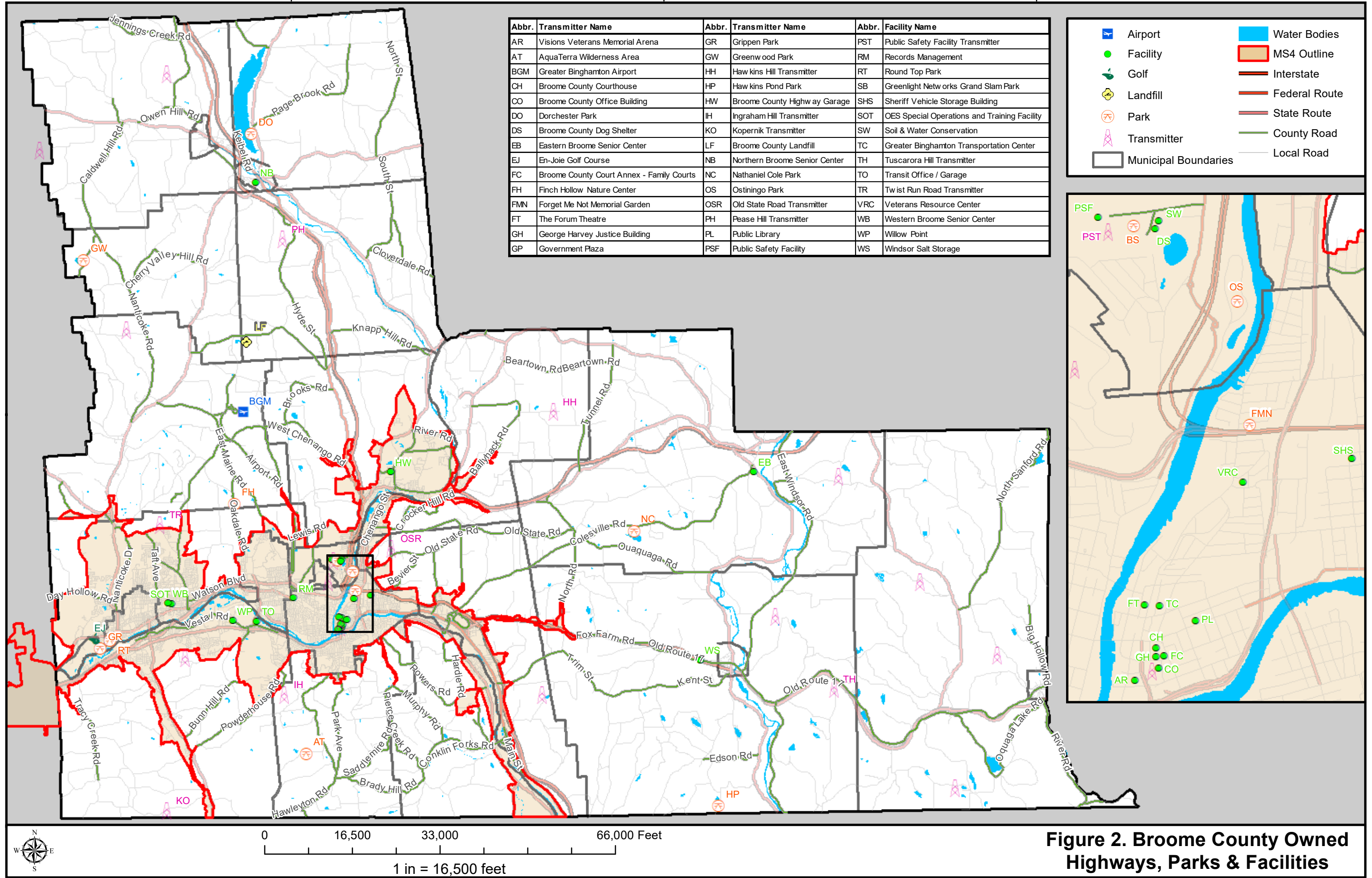
1. Public Education and Outreach
2. Public Involvement and Participation
3. Illicit Discharge Detection and Elimination
4. Construction Site Runoff Control
5. Post-Construction Stormwater Management
6. Pollution Prevention / Good Housekeeping for Municipal Operations

This document describes each MCM and the Best Management Practices (BMP’s) that have been implemented by Broome County to maintain compliance with the current NYSDEC General Permit for Stormwater Discharges from Municipal Separate Storm Sewer Systems (MS4s). Responsibilities to achieve and sustain compliance are clearly defined for each BMP. Portions of the responsibilities are provided through collective efforts of the Broome-Tioga Stormwater Coalition (BTSC), and these will be explained and highlighted in the following document. The remaining work is the responsibility of Broome County staff as indicated.

This SWMP Plan should be reviewed on an annual basis and updated as necessary to incorporate the latest technologies and information to maintain compliance with the current NYSDEC General Permit, as well as to account for progress made towards stated goals.

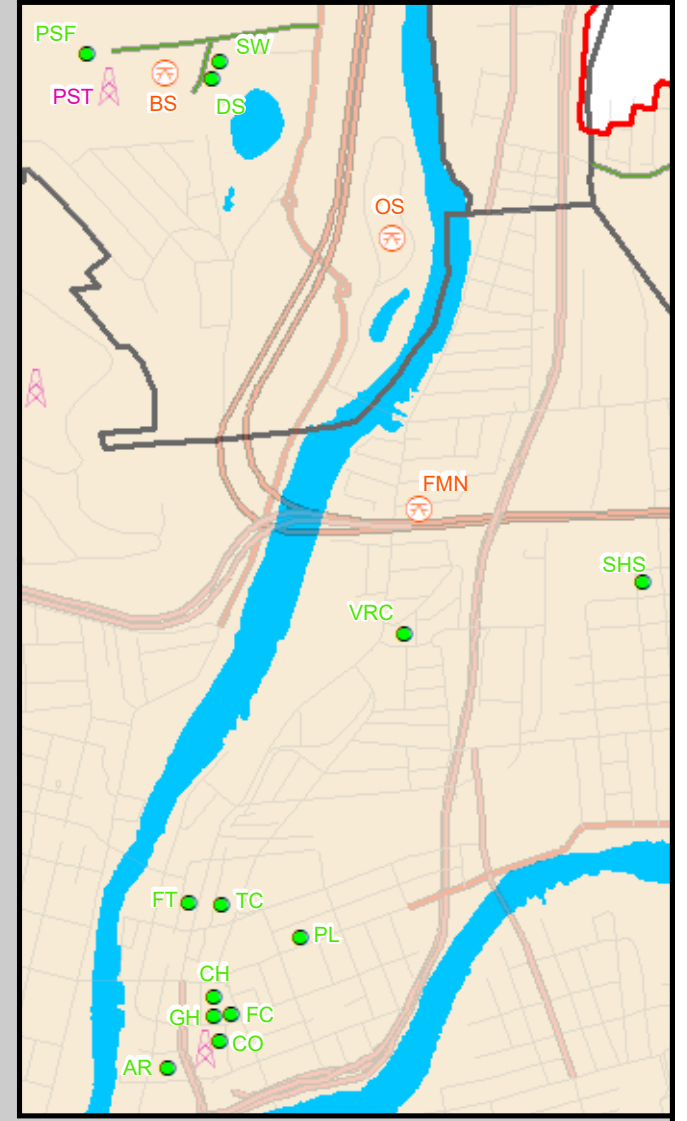
Maps illustrating the designated MS4 boundaries within Broome County (Figure 1) and County roads and facilities (Figure 2) are included on the following two pages.





Abbr.	Transmitter Name	Abbr.	Transmitter Name	Abbr.	Facility Name
AR	Visions Veterans Memorial Arena	GR	Grippen Park	PST	Public Safety Facility Transmitter
AT	AquaTerra Wilderness Area	GW	Greenwood Park	RM	Records Management
BGM	Greater Binghamton Airport	HH	Hawkins Hill Transmitter	RT	Round Top Park
CH	Broome County Courthouse	HP	Hawkins Pond Park	SB	Greenlight Networks Grand Slam Park
CO	Broome County Office Building	HW	Broome County Highway Garage	SHS	Sheriff Vehicle Storage Building
DO	Dorchester Park	IH	Ingraham Hill Transmitter	SOT	OES Special Operations and Training Facility
DS	Broome County Dog Shelter	KO	Kopernik Transmitter	SW	Soil & Water Conservation
EB	Eastern Broome Senior Center	LF	Broome County Landfill	TC	Greater Binghamton Transportation Center
EJ	En-Joie Golf Course	NB	Northern Broome Senior Center	TH	Tuscarora Hill Transmitter
FC	Broome County Court Annex - Family Courts	NC	Nathaniel Cole Park	TO	Transit Office / Garage
FH	Finch Hollow Nature Center	OS	Ostiningo Park	TR	Twist Run Road Transmitter
FMN	Forget Me Not Memorial Garden	OSR	Old State Road Transmitter	VRC	Veterans Resource Center
FT	The Forum Theatre	PH	Pease Hill Transmitter	WB	Western Broome Senior Center
GH	George Harvey Justice Building	PL	Public Library	WP	Willow Point
GP	Government Plaza	PSF	Public Safety Facility	WS	Windsor Salt Storage

- Airport
- Facility
- Golf
- Landfill
- Park
- Transmitter
- Municipal Boundaries
- Water Bodies
- MS4 Outline
- Interstate
- Federal Route
- State Route
- County Road
- Local Road



0 16,500 33,000 66,000 Feet
1 in = 16,500 feet

Figure 2. Broome County Owned Highways, Parks & Facilities

Minimum Control Measure 1: Public Education and Outreach Program

1.1 Stormwater Program Coordinator and public contact:

Name	Ricky Torres
Title	Assistant Engineer
Contact information	Phone: (607)778-2910 Email: ricky.torres@broomecountyny.gov

1.2 Description of Minimum Control Measure

The Public Education and Outreach Minimum Control Measure (MCM) consists of BMPs that focus on the development of educational materials designed to inform the public about the impacts that stormwater discharges have on local water bodies. The educational material should contain specific actions to direct the public, either individually or collectively as a group, as to how they can participate in reducing pollutants and their impact on the environment. MCM-1 differs from MCM-2 in that this MCM focuses on fostering public awareness of stormwater pollution problems in the hopes of behavior changes. The Public Education and Outreach program and BMPs in combination are expected to reach all of the constituents within the MS4's permitted boundary. Specifically, for a Traditional Non-Land Use Control MS4, Broome's County's "public" is considered to be the employees, user population/visitors, students, and contractors & developers working on County projects.

1.3 General Permit Requirements

A. Development

A1. Focus

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;
- viii. Areas with illicit discharges

A2. 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. Commercial¹: Business owners and staff;
- iii. Institutions²: Managers, staff, and students;
- iv. Construction: Developers, contractors, and design professionals;
- v. Industrial³: Owners and staff; and
- vi. *MS4 Operator's municipal* staff.

¹ Business, retail stores, and restaurants.

² Hospitals, churches, colleges, and schools.

³ Factories, recyclers, auto-salvage, and mines.

A3. 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.).

A4. 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);
- v. How to report *illicit discharges* they may observe (Part VI.C.1.a.).

B. Implementation and Frequency

B1. 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);
- vi. Workshops or focus groups;
- vii. Displays in public areas (e.g., town halls, library, parks);

- iv. Social Media (e.g., Facebook, Twitter, blogs).

B2. 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.);
- ii. Document the completion of this requirement in the *SWMP Plan*.

B3. 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;
- ii. Document the completion of this requirement in the *SWMP Plan*.

1.4 Identification of POCs, water bodies of concern, and geographic areas of concern:

The predominant area of Broome County is within the Susquehanna River Basin, and thus is also a part of the Chesapeake Bay Watershed. All areas within the MS4 boundaries drain into this river and watershed system. According to the NYSDEC report entitled “Susquehanna River Basin Waterbody Inventory and Priority Waterbodies List” (2009) pollutants of concern in various sections of this river basin and watershed include metals (lead, mercury, copper and cadmium), nutrients (nitrogen and phosphorus), silt and sediment, and thermal changes. To lesser extents pathogens (bacteria and viruses) and oxygen demand have also been noted as potential concerns in sections of the watershed. These POCs have been reported in sections of the Susquehanna River, Chenango River, Tioughnioga River, Whitney Point Reservoir, and other smaller tributaries into these major water bodies. Although metals are typically the result of atmospheric deposition; other POCs listed result from surface runoff generated from agriculture, construction activities, stream bank erosion, and concentrated urban development (runoff from roads and impervious surfaces).

Other POC’s that are often found in urban runoff either dissolved or attached to sediment or organic materials are toxic substances such as vehicle fluids (oil, gas and antifreeze), paint, solvents, soap from car and equipment washing, process waste water, batteries, hazardous household chemicals and wastes, street litter, swimming pool discharges, and wash-water from concrete mixers. These toxic substances can come from a myriad of sources; residential, commercial/industrial, and/or construction.

Specifically, within Broome County, one water body has been identified as “impaired segments” in the General Permit appendices with pollutants of concern as listed as follows:

1. Susquehanna River – Lower Main Stem (POC: phosphorus)

The map included in Figure #3 (page MCM 1-3) illustrates the location of the impacted water body in relation to the overall MS4 boundaries. The entire part of the Susquehanna River within Broome County is within the “lower stem” section, and is also encompassed within the MS4 boundary.

Since most of Broome County, including 100% of the MS4 area is within the Susquehanna River drainage basin (which drains into and through the “lower stem” section of the river reach) and therefore also a part of the Chesapeake Bay Watershed, our geographic area of concern is identified as the entire region of Broome County within this critical watershed area.

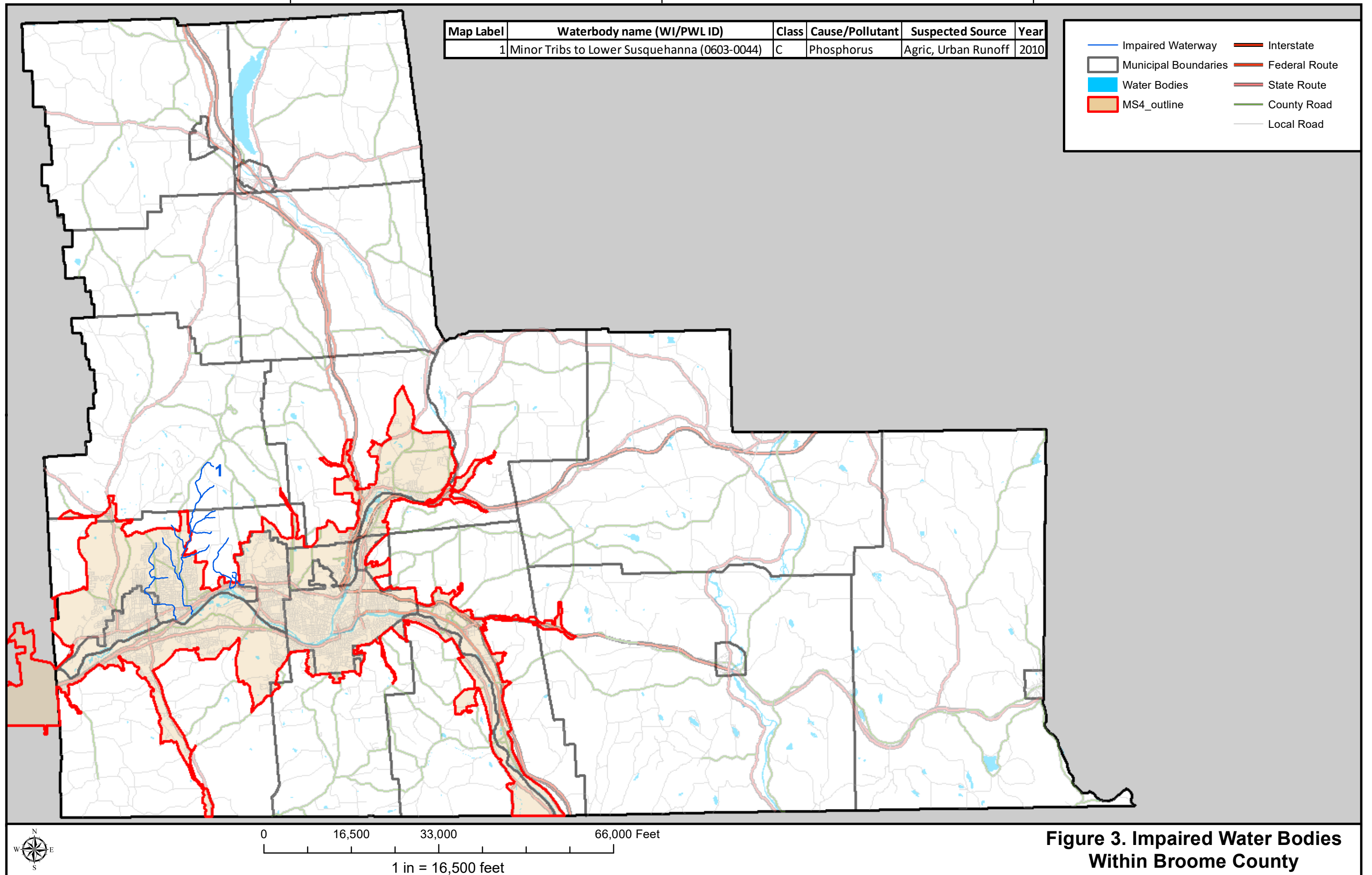


Figure 3. Impaired Water Bodies Within Broome County

1.5 Identification of Target Audiences

There are two specific “target audiences” which will be addressed within the Broome County SWMP. The first of these is a much wider audience addressed by the Broome-Tioga Stormwater Coalition which includes the general public as a whole such as residents, business owners, industries, school groups, civic organizations, etc. This part of the public outreach will be discussed and described in Sections 1.6.1 and 1.6.2.

For Broome County as a traditional non-land use control MS4; however, our specific “target audience” that must be reached by public education efforts includes all county staff, but especially those who are responsible for operation and maintenance of county facilities and functions; such as Engineering, Highways, Parks, Building and Grounds, and Transit staff. Additionally, the County-specific target audience should include contractors who work on County-sponsored construction projects. This part of the public outreach effort will be discussed in Section 1.6.3.

1.6 Methodology for Compliance with Permit Requirements

Broome County has approached the compliance with this MCM both on a more global scale as a member of the Broome-Tioga Stormwater Coalition (BTSC), and on a smaller scale as an individual traditional non-land use control MS4 entity. The coalition BMPs used have included a media campaign (television and print advertisements), brochures, presentations, a webpage, and displays at community events. On an individual basis, Broome County has used many of these same BMPs for general public information through their Solid Waste Division; however, Broome County is also focused on education of staff and contractors who work on county projects and in areas that could impact stormwater quality within the MS4 boundaries. BMPs and goals established to address MCM-1 will be evaluated on an annual basis and updated or enhanced as necessary.

1.7 Best Management Practices Implemented, Underway, &/or Proposed

1.7.1 Broome-Tioga Stormwater Coalition Public Outreach

The Broome-Tioga Stormwater Coalition (BTSC) has created a website dedicated to stormwater issues within the combined MS4 area to post information, data, and reports for public access. This website address is www.broometiogastormwater.com. Broome County supports this effort by hosting the website on the County’s server. Planning staff maintains and updates the website as needed. BTSC has created a logo which is used on all educational material created and/or distributed by the coalition. Additional MCM-1 actions by the coalition include:

- A. BTSC has formed a Public Education and Participation Committee to address MCMs 1 and 2 for joint coalition members. This committee has published educational materials containing specific actions that the public can use to participate in reducing pollutants and their impacts to the environment. Materials developed by this group have been used at area schools and various public events, as well as for press releases and postings on the BTSC website. Part of the public outreach developed by this committee includes demonstration of the Enviroscape stormwater model at various public events.

- B. An assortment of brochures and other printed material have been made available for the public at municipal offices and websites, at trainings for contractors and local officials, and at restaurants throughout the MS4 region.
- C. Another goal that was set by the coalition was to develop a public service announcement (PSA) to illustrate to residents' practices that will least pollute surface stormwater. That initial goal has been modified to include a series of seasonal PSAs such as not raking grass clippings after mowing in the summer, not over salting driveways in the winter, containing raked leaves in the fall, and not fertilizing in the spring.
- D. In 2014 a marketing campaign was launched by the coalition called "Water from Rain" which included branding educational efforts and printed materials as well as development of visual media to expand outreach efforts to new individuals. A website supporting this effort was developed and is located at www.waterfromrain.org.

1.7.2 Broome County Public Outreach

General public education and outreach provided by Broome County is predominantly provided by the Division of Solid Waste Management (DSWM) and the Broome County Environmental Management Council (EMC). These agencies are partners of the Broome-Tioga Stormwater Coalition and provide services on behalf of the Coalition's MS4 communities.

Using local newspaper advertisement (printed ads, inserts, and leader board ads on their webpage), television advertisements, printed brochures and schedules, as well as specific section links on the County Solid Waste web site, the Solid Waste Management Division has targeted electronics recycling and household hazardous waste (HHW) collection and recycling throughout the County. This public outreach promotes special collections days and locations held by the County Solid Waste Division throughout the year, as well as proper handling and disposal of these wastes (including batteries). The Solid Waste Management Division keeps ongoing records of the type and amounts of HHW collected and shipped and/or recycled.

In addition to electronics and HHW, public education programs and brochures have been developed to address grass recycling, composting, and disposal of prescription drugs and household medical wastes. Information is provided for the public via television advertisement, and in written format at County facilities, on the County web site, and is presented at public education opportunities. The County offers yard waste composters for sale at discounted prices year-round to encourage backyard composting.

Finally, the Solid Waste Management Division provides tours of the County landfill to students and other interested groups highlighting the importance of recycling and collection of hazardous waste to the local environment and surface water resources.

An active and ongoing public outreach program has been developed and implemented by the Broome County Solid Waste Management Division and the future goals include continuing with the program as developed, and adding new resources as the needs arise.

The Broome County EMC is a citizen's advisory board on local environmental matters. They regularly host guest presentations that focus on a variety of topics, including those relevant to stormwater education. Special topics have included a discussion of water management issues associated with flooding and storm

events, the total maximum daily load (TMDL) for the Chesapeake Bay watershed, and sustainability and smart growth, among other topics. These meetings are open to the public and are advertised through local media prior to the event. They also provide an opportunity for any member of the public to bring their concerns about any environmental matters before the board, including those related to water quality management.

The EMC attends a variety of local events as public education opportunities. They distribute materials related to general information about stormwater management and pollution prevention, green infrastructure, and games and activities for elementary educators, among other issues. The EMC developed a brochure entitled “Managing Stormwater at Home” as guidance for homeowners who wish to incorporate green infrastructure onto their properties.

In addition to the EMC and DSWM, the County partners with the Broome County Soil and Water Conservation District (BC-SWCD). They help to educate the farming community through assistance in Agricultural Environmental Management program. They also educate school children by visiting their classrooms to talk about stormwater issues and attending local events where they utilize hand-on activities such as the Enviroscape model. BC-SWCD also purchased storm drain markers to be installed by each MS4 community. When installed they will serve as a reminder to the entire community that pollutants should not be dumped into the storm drain.

Events that DSWM, EMC and BC-SWCD attend include the following: Earth Day Southern Tier Earth Fest, Ross Park Zoo Earth Fest, Broome Community College and Binghamton University Earth Fests, Farm Days, and Waterman Center Earth Fest. The organizations also make efforts to provide educational information at public participation events (see MCM2) such as the Broome County Riverbank Clean-up and the Electronic and Household Hazardous Waste Collection events.

1.7.2.1 Business and Industry

As part of the review process associated with General Municipal Law 239 l, m & n, staff of the Broome County Planning Department review proposed actions that may have intermunicipal or county-wide impacts. Through this process County Planning evaluates the proposed uses associated with these actions. Planning staff make recommendations for best management practices for these businesses based on their anticipated operations. For example, a brochure was developed entitled “How To Develop a Spill Prevention Plan” as advice for businesses dealing with vehicles or other equipment. The document advises them on good housekeeping practices to prevent water quality impacts.

1.7.3 Broome County’s “Public” as a Traditional Non-Land Use MS4 Entity

As stated previously, Broome County’s specific public outreach will also be directed towards county staff who are responsible for operation and maintenance of county facilities and functions, as well as contractors who work on county-sponsored construction projects. With general public outreach and education programs established and running through the Broome-Tioga Stormwater Coalition and the Broome County Division of Solid Waste, this current and updated version of the stormwater management plan establishes goals for MCM-1 directed towards internal education and training, as well as transference of information. As noted in Section 1.2, educational materials for these audiences may be made available at locations including, but not limited to; service area, lobbies or other locations where information is made available to employees; at staff trainings; on the County website; with paychecks; and in employee break rooms.

Broome County staff receives notice of training opportunities through the stormwater coalition and staff utilizes these training opportunities as applicable. Additionally, Broome County currently has a designated County Safety Training Officer, who provides annual training to County staff on spill prevention control and countermeasure training.

1.8 Minimum Reporting Requirements

Because annual reporting of MCM-1 is handled by the Stormwater Coalition and Broome County's "target audience" is somewhat different than other MS4 entities, goals relating to MCM-1 will be specified and reported as part of the County specific annual report and incorporated into MCM's -3, -4, -5, and -6.

At a minimum, Broome County shall report on the following items:

- List education / outreach activities performed for the target audiences and provide any results (for example; number of people attended, amount of materials distributed, etc.).
- Report on effectiveness of established program and/or progress towards meeting new or revised measurable goals which will include items such as:
 - a. education of the target audience regarding the hazards associated with illegal discharges and improper disposal of wastes
 - b. construction site stormwater control training planned and/or completed for both County staff and contractors working on County projects.
 - c. employee pollution prevention / good housekeeping training planned and/or completed as it relates to County facilities and roadway maintenance.
- Maintain records of all internal training activities and participants.

Coalition specific activity elements are described and reported in the BTSC sections of the annual report and maintained on the BTSC web site. County specific activities are included in the individual sections of the annual report for MCM -3, -4, -5, and -6, and in records with the County Department of Public Works.

1.9 Measureable Program Goals:

Measureable goals for MCM-1 include the following (and are reported in MCM-3, -4, -5, and -6):

- A. Maintain the County stormwater webpage and track the number of website hits with the goals of an annual increase in site hits.
- B. Have 100% of County staff trained in applicable portions of the stormwater program. Specific training includes basic erosion and sediment control education, municipal good housekeeping and pollution prevention training, and equipment and/or strategies for stormwater management.
- C. Have distribution of stormwater awareness and IDDE material reach 100% of all County employees by increasing presence in public gathering locations and broadcast emails.

<p style="text-align: center;">Minimum Control Measure 2: Public Involvement/Participation</p>

2.1 Description of Minimum Control Measure

The Public Involvement and Participation measure consists of a set of BMPs that are focused on getting members of the local community involved in the MS4's municipal stormwater management program. MCM-2 differs from MCM-1 in that the intent of this MCM is to actively solicit public participation and input, not just raise awareness. Compliance with State and local public notice requirements will be maintained whenever public participation is sought or required. The BMPs for MCM-2 include several practices designed to seek public input on the SWMP and Annual Report accomplishments in addition to describing specific activities that encourage public participation. The target audiences for the public involvement program are key individuals and groups that may have an interest in the particular BMPs as well as the general public located within the permitted boundary.

For a traditional non-land use control MS4s such as Broome County, compliance with this MCM requires determining our public (staff, visitors & contractors), and then posting notifications as needed in areas viewable by the public such as common areas, bulletin boards, web sites, etc. It is important that notifications be made at multiple locations to reach all facilities and county entities. This needs to be accomplished in addition to the work that the Broome-Tioga Stormwater Coalition is implementing as a group to meet MCM-2.

2.2 General Permit Requirements

A. Public Involvement/Participation

A1. 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;
- vi. Stewardship activities.

A2. 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);
- vii. Social Media (e.g., Facebook, Twitter, blogs).

A3. 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*.

B. Public Notice and Input Requirements

B1. 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.

B2. 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 Part VI.B. 23 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.

B3. 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.

2.3 Methodology for Compliance with Permit Requirements

Each *MS4* must involve the public in their stormwater program to meet the permit requirements. Certain aspects of these requirements can and have been achieved through the stormwater coalition, such as public review and the comment process for the shared annual report. There are other activities coordinated by the coalition which involve public participation by support or sponsor of watershed stewardship programs such as riverbank cleanup days and storm drain stenciling programs. However, there are also certain compliance activities that must be performed by Broome County as a traditional

non-land use control MS4, such as providing a local stormwater point of contact and making this person's contact information available to the public.

2.4 Best Management Practices Implemented, Underway &/or Proposed

2.4.1 Broome-Tioga Stormwater Coalition Public Review of Annual Report

In order to meet the compliance requirements for MCM-2, the BTSC has implemented the following procedures in reference to public involvement and participation:

- A. For joint annual reports compiled by the Coalition, a public meeting is held for attendance by any and all public members within the Coalition. The meeting notice is distributed as a press release within the required timeframe, and is also posted along with the annual report on the Coalition website.
- B. E-mail contact information is always listed on meeting and annual report notices to provide a means of public comment. Comments can also be made via e-mail through the BTSC website.
- C. The BTSC schedules quarterly meetings as needed and meeting notices are distributed via email contact and on the Coalition website. In addition, the BTSC Public Education and Participation Committee set their schedule and advertise / post notices in the same way.
- D. A Notice of Availability is created and distributed to the media and posted on the Coalition website every year which includes all the required information about the annual report, annual report presentation public meeting, and how/when to comment.

2.4.2 Broome County Public Review of Annual Report

Although the County does not have public meetings and notifications separate from those of the Coalition for their annual report, all the listed Coalition activities and notices will also be posted and reported on the Broome County website. Stormwater reporting is included under both DPW-Engineering and Planning and Economic Development pages on the County website. These sites include the following information:

- A. The Broome County local point of contact
- B. Public meeting announcements and information
- C. Forum for questions and comments relative to annual reports and/or the County's SWMP.
- D. Copies of the County's annual reports and most current version of the SWMP.

2.4.3 Coalition and County Public Involvement & Participation Activities

Although not specifically described in the MCM-2 permit compliance requirements, there are a number of different activities used (or planned) by the BTSC and/or the County to get the general public involved and participating in stormwater protection measures throughout the MS4 area and beyond. Ongoing BMPs which specifically involve County participation include the following:

- A. The BTSC members work in partnership to hold several annual events and promote each other's events including stream bank clean-up days, tire collection days, household hazardous waste collections, and household electronics collections.
- B. Some of these events are sponsored specifically by the Broome County Solid Waste Division as noted in the MCM-1 section of this document. Dates for household hazardous waste and electronics collections are advertised and promoted throughout the year and are targeted during times of peak need such as during "spring cleaning".
- C. The Broome County Environmental Management Council (EMC) holds an Annual Riverbank Clean-up. County staff works with the EMC to provide local community groups and organizations with locations that have been identified as hotspots for discarded materials and are safe and accessible. Additionally, county staff works with local municipalities to ensure collected trash is picked up. Community members that participate in the program are educated on the importance of water quality and stormwater management. They are given information about how to deal with toxic substances or items that they may find during the event and are urged to be aware of any potential water quality issues that they may come across.
- D. The Environment Management Council (EMC) and Broome County Soil & Water Conservation District have materials and information for organizations that wish to participate in storm drain stenciling. Instructions for those that are interested in this activity are available on the BTSC website and EMC webpage of the County website.

2.5 Minimum Reporting Requirements

Because annual reporting of MCM-2 is handled by the Stormwater Coalition, goals relating to MCM-2 will be specified and reported as part of the County specific annual report and incorporated into MCM's -3, -4, -5, and -6.

At a minimum, Broome County shall report on the following items:

- Annual report presentation information (including; date, time, and attendees), and/or information about how the annual report was made available for comment.
- Comments received, either at the public information meeting or through the websites, and intended responses. This will be done as an attachment to the annual report if applicable.
- A summary of public involvement activities (what, where, when and the number of participants).
- Report on the effectiveness of the public outreach program, BMPs and the measurable goal assessment.

2.6 Measurable Program Goals

Measureable goals for MCM-2 include the following (and items not listed as being done by the coalition are reported in MCM-3, -4, -5, and -6 for the County):

- A. Make the annual report available to the public for review and hold a public meeting to present the report. Record the number of attendees and attempt to increase the number every year.
- B. Keep a record of the number of comments received regarding the annual report and the published SWMP. Continually try to encourage more public participation and gain more feedback each year.
- C. Record and monitor the number of complaints submitted through the reporting hotline or email. Encourage additional use of these services by providing a wider distribution of this information.
- D. Continue to keep a record of the amount of material being collected and the number of volunteers/groups that participate in annual stream cleanup and collection events (done by the coalition and Broome County SWMD). Attempt to increase participation each year by increasing the numbers of events and/or better publicizing the events when they occur.

<p style="text-align: center;">Minimum Control Measure 3: Illicit Discharge Detection and Elimination</p>
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3.1 Description of Minimum Control Measure

The Illicit Discharge Detection and Elimination (IDDE) Minimum Control Measure consists of BMPs that focus on the detection and elimination of illicit discharges located within the MS4 boundaries. This includes any sources of non-stormwater flow reaching the separated storm sewer conveyance system. The BMPs describe outfall mapping and update procedures; the regulatory mechanism that will be used to effectively address illicit discharges; enforcement procedures and actions to ensure that the regulatory mechanism is implemented; the dry weather screening program including procedures for tracking down and locating the source of any illicit discharges; procedures for identifying and locating priority areas; and procedures for removing the source of the illicit discharge.

3.2 General Permit Requirements

A. Illicit Discharge Detection

A1. 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.

A2. Monitoring Locations

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

- i. *MS4 outfalls*;⁴
- ii. *Interconnections*;⁵ and
- iii. *Municipal facility intraconnections*.⁶

⁴ *MS4 outfalls* can be found at a *municipal facility*.

⁵ *Interconnections* can be found a *municipal facility*.

⁶ *Municipal facility intraconnections* can be found only at a *municipal facility*.

A3. 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:⁷

- a) Inventory information for *MS4 outfalls*
 - 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*;⁸
 - 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;
 - xiii) and 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*;
 - vi) and 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.);
 - 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.

⁷ 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.

⁸ This information is collected as part of the *municipal facility* inventory.

A4. 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*.

A5. 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:

- iv. The monitoring locations inspection and sampling procedures including:
 - a) During *dry weather*,⁹ 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 used¹⁰ and are not subject to 40 CFR Part 136 requirements for approved methods and certified laboratories;
 - e) Provisions to initiate, or cause to initiate,¹¹ 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 characterization¹² 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.).
- 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.
- v. The names, titles, and contact information for the individuals who have received monitoring locations inspection and sampling procedures training and update annually; and
- vi. 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*.

⁹ *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.

¹⁰ Refer to Chapter 12 of the CWP 2004 for parameters, sampling action levels, and procedures.

¹¹ If track down is conducted by individuals or entities other than those conducting the monitoring locations inspections.

¹² 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. 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*;¹³
 - 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* 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.

¹³ 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.

3.3 Methodology for Compliance with Permit Requirements

As a traditional non-land use MS4, Broome County's approach for compliance to MCM-3 will be directed at the County public in general by providing public information and education as well as hotlines to report illegal dumping and illicit discharges. Additionally, stormwater outfalls under the jurisdiction of the County associated with facilities, properties, and roadways will be mapped and monitored. Illicit discharges identified either by outfall inspection or public notification will be reported to individual municipalities or will be traced to the source within County infrastructure and/or facilities in the County-controlled MS4 area. Illicit discharges identified within the County MS4 jurisdiction will be documented and eliminated.

3.4 Best Management Practices Implemented, Underway and/or Proposed

3.4.1 Outfall Mapping, Verification, and Inspection

Outfall mapping within the County MS4 jurisdictional area has been mapped and is shown in Figures #4 through #9. Figure #4 illustrates the inspection regions (Areas 1-5), and Figures #5-#9 include outfall maps of each individual area designated on Figure 4. These figures include only the outfall mapping that is under Broome County control. By definition, these outfalls include:

"... 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"

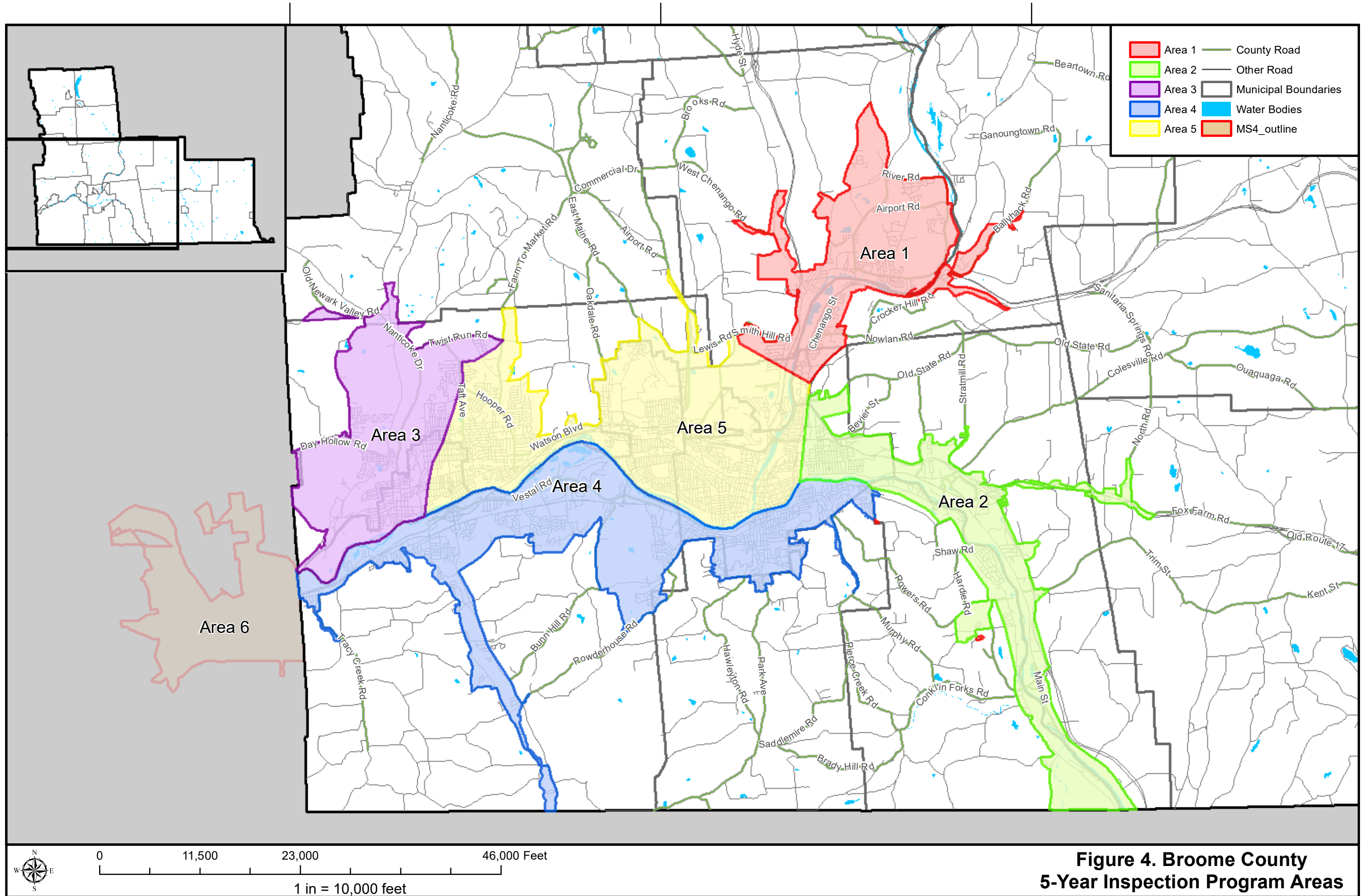
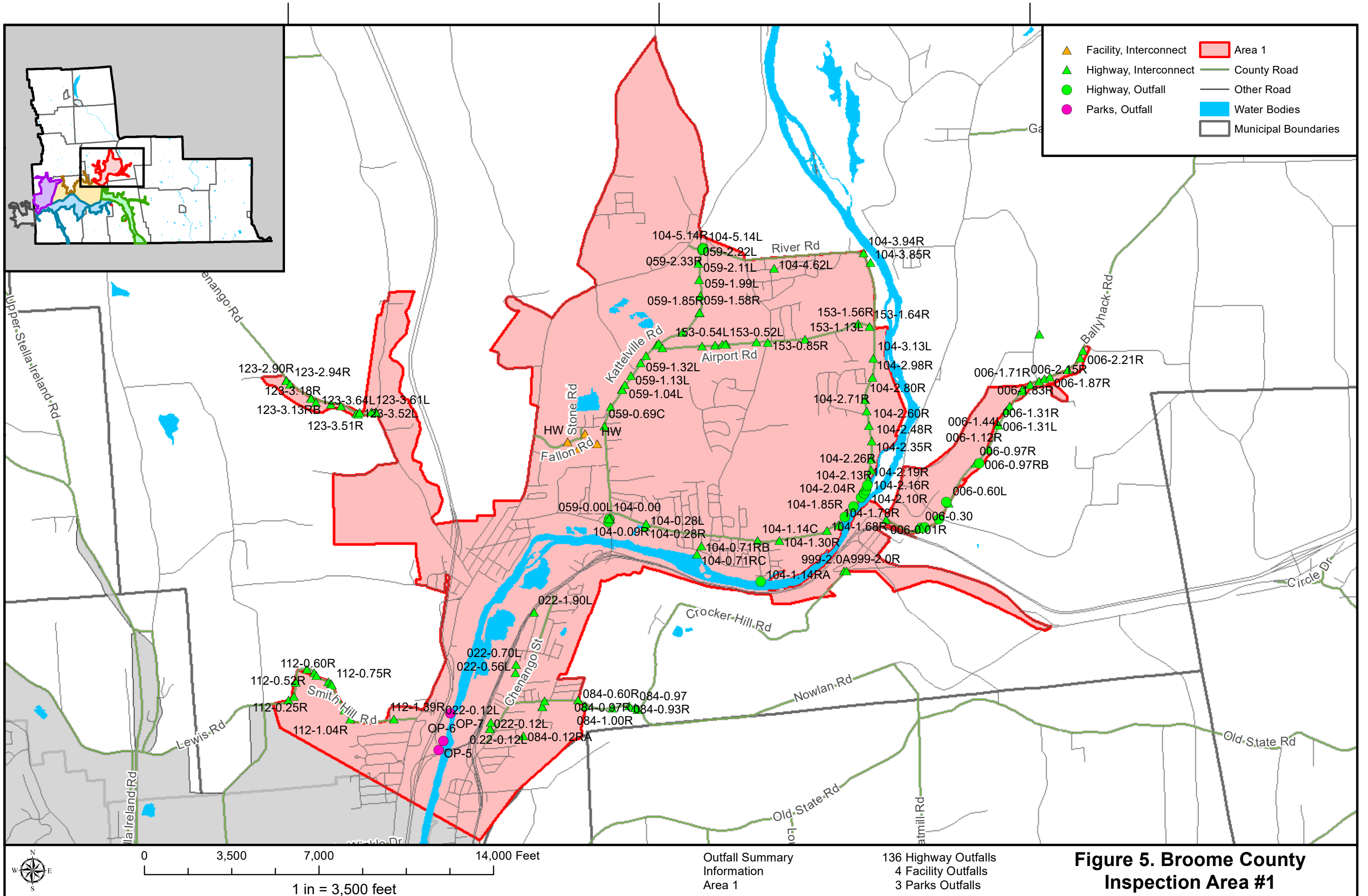
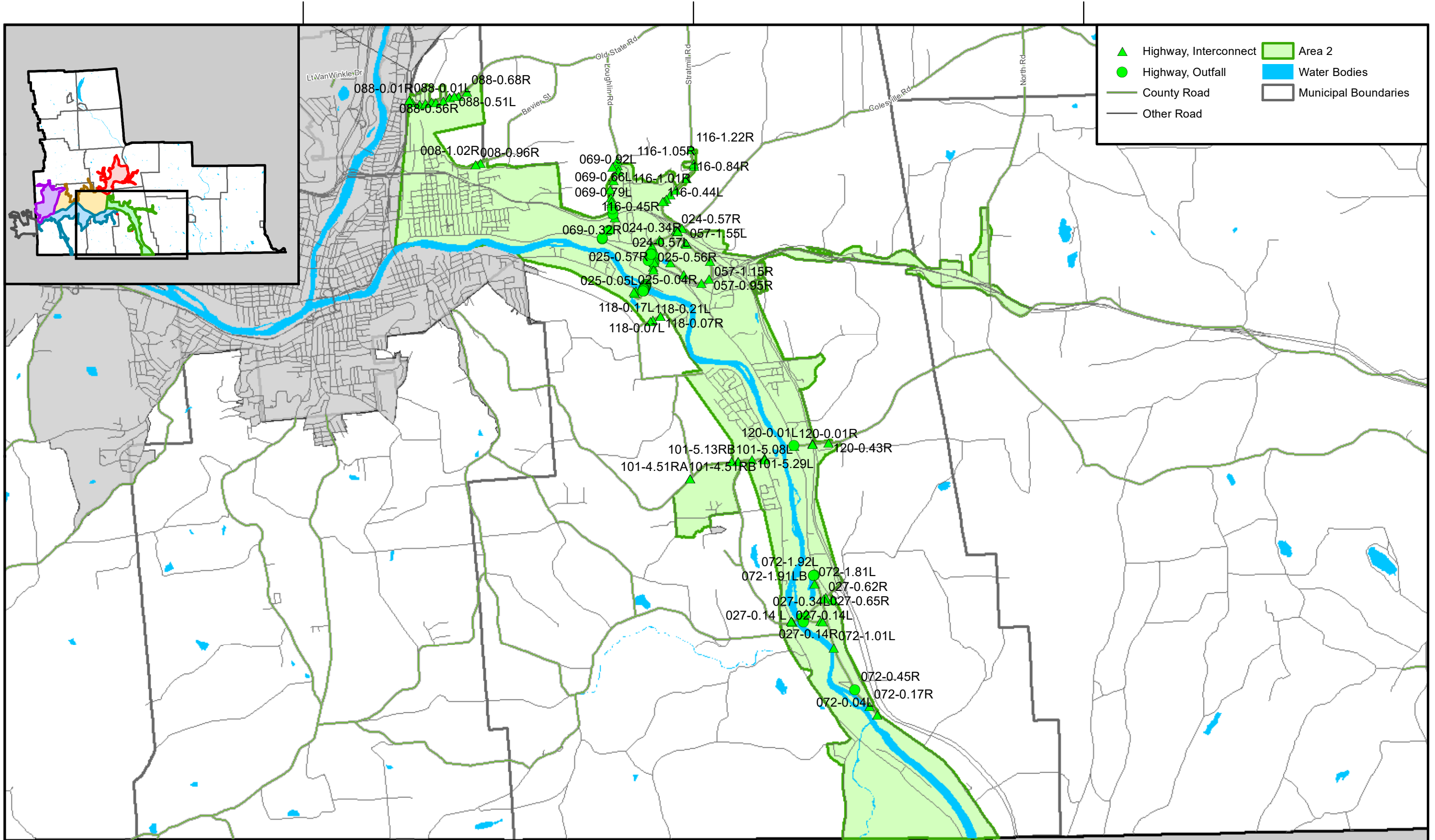


Figure 4. Broome County 5-Year Inspection Program Areas





- ▲ Highway, Interconnect
- Highway, Outfall
- County Road
- Other Road
- Area 2
- Water Bodies
- Municipal Boundaries

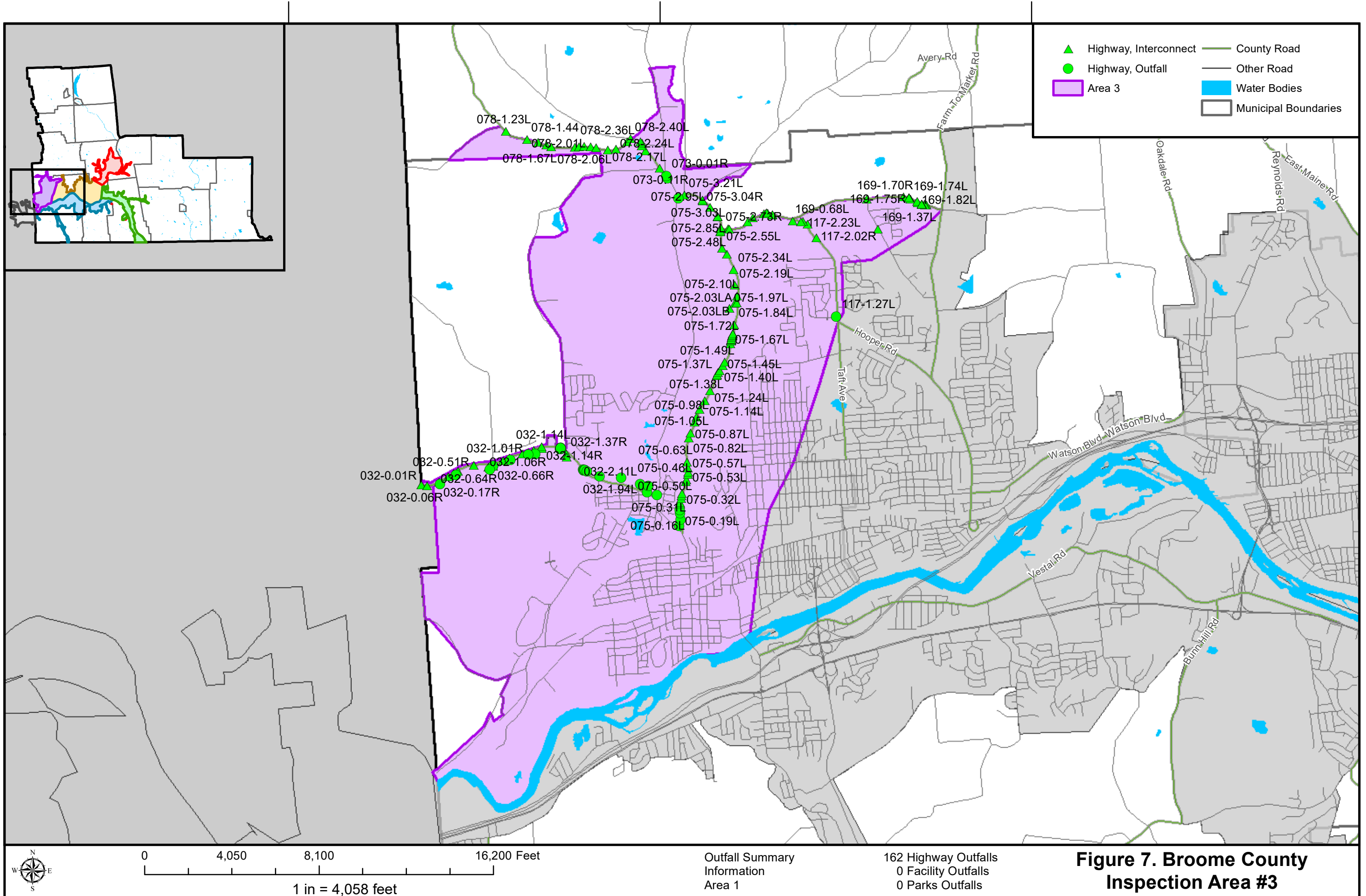


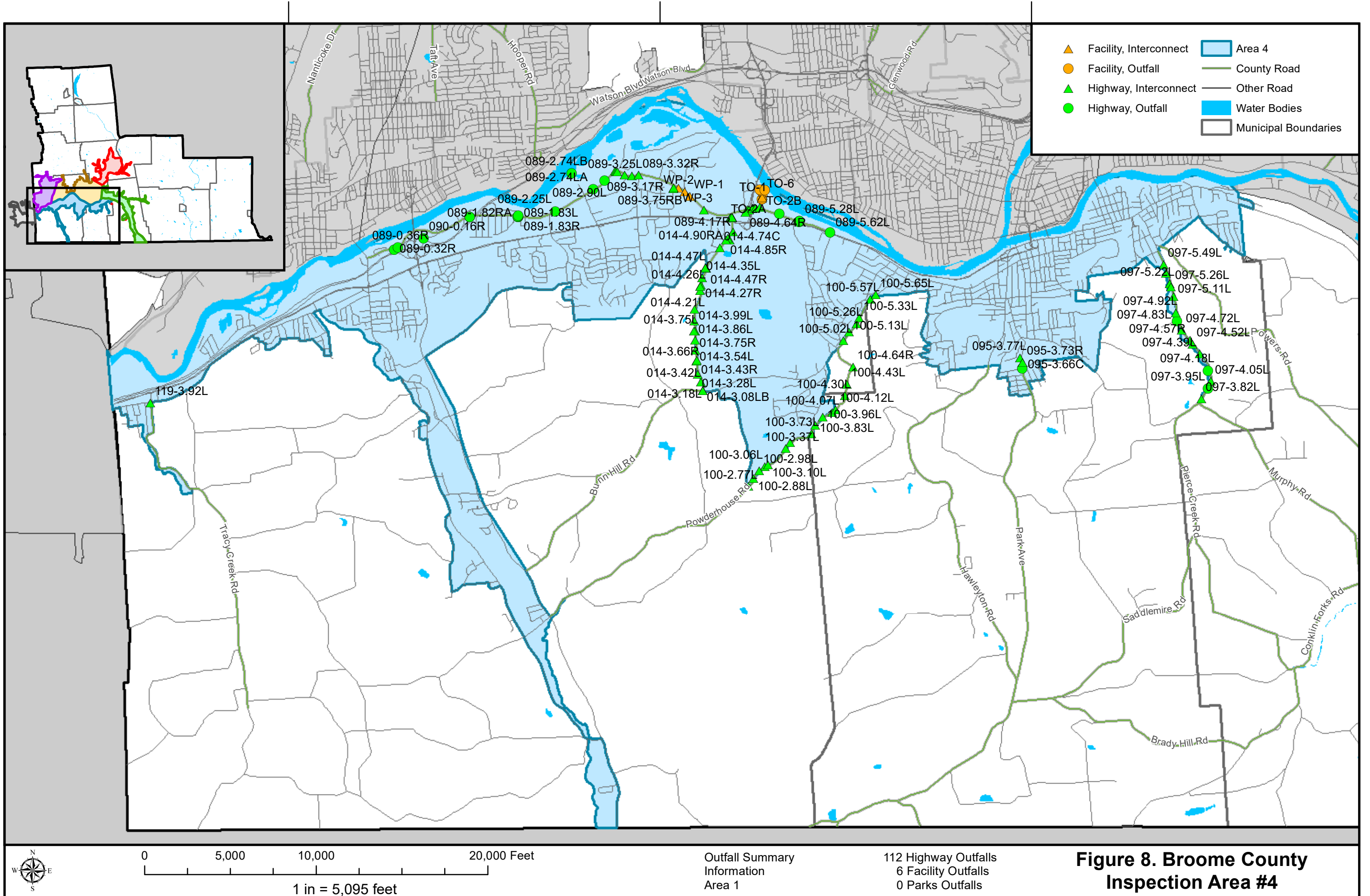
0 5,500 11,000 22,000 Feet
 1 in = 5,861 feet

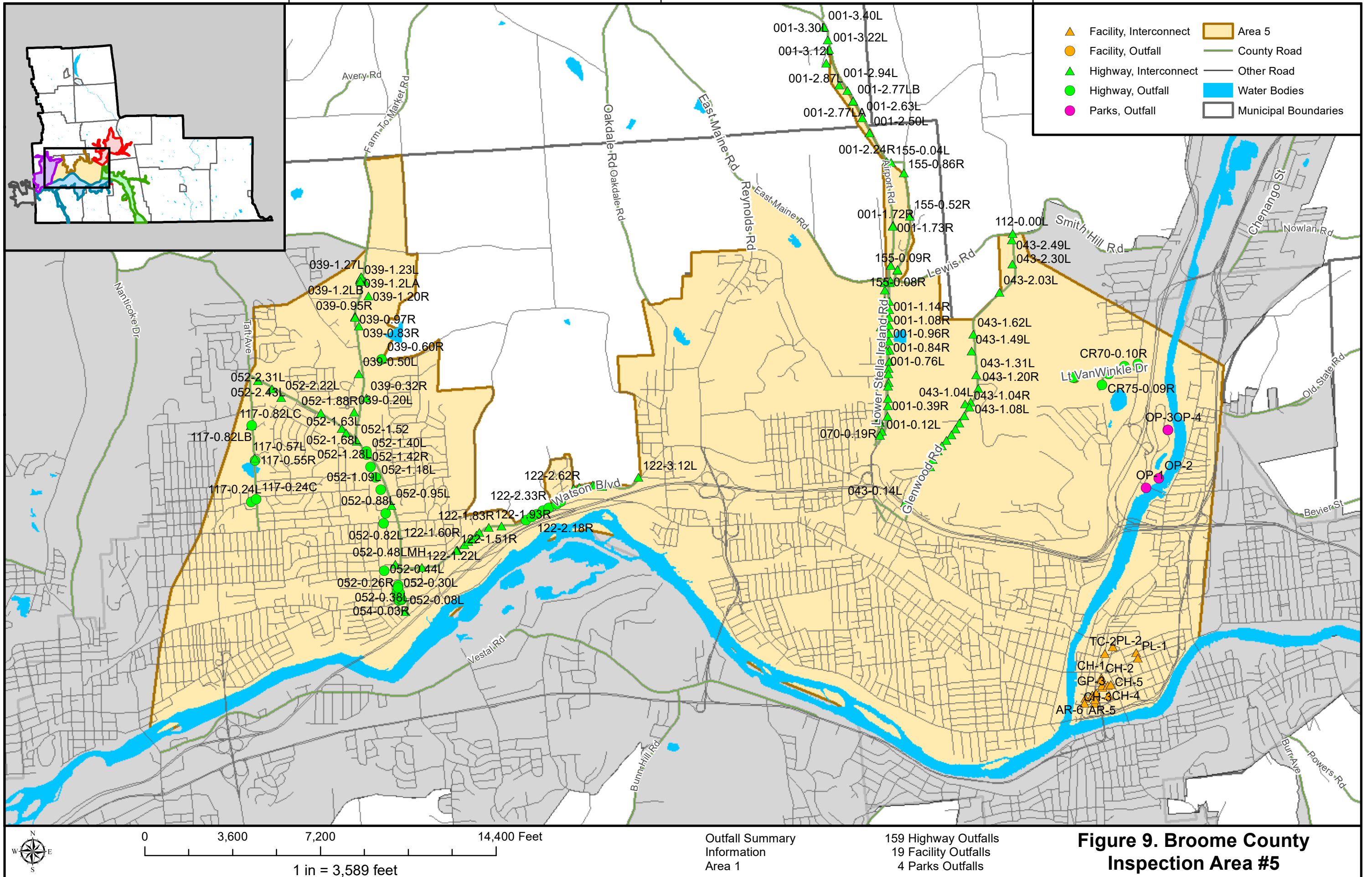
Outfall Summary
 Information
 Area 1

136 Highway Outfalls
 0 Facility Outfalls
 0 Parks Outfalls

**Figure 6. Broome County
 Inspection Area #2**







Although outfall mapping has been completed within the Broome County MS4 boundaries, these mapped outfalls are reviewed and confirmed on an ongoing basis during the annual reconnaissance surveys. To date **167** outfalls and **574** interconnects have been identified under control of the Broome County MS4 program. Each year as part of the established outfall reconnaissance survey, 20% of the mapped outfalls and interconnections are inspected. The intent of this program is to evaluate every outfall or interconnection at least once during every 5-year period. Each outfall or interconnection has been assigned a unique identifier which is included in the County GIS system and used for field inspection and record keeping.

In addition to the annual outfall and interconnection inspections conducted by DPW-engineering staff, ongoing work as part of this BMP includes the following:

- A. Ongoing mapping of any new outfalls or interconnections along County roadways and at County facilities. Part of this effort includes completion of surveyed base plans of County parks and County facilities which identify stormwater features and outflows off the property.
- B. Installation of drain markers at catch basin locations as applicable and replacement of these as required. Depending on the type of CB, some of these markers are simply stenciled markers.
- C. Continued identification and mapping of drainage systems and sewersheds as they run through and across County right-of-ways and properties.

3.4.2 Regulatory Mechanism to Prohibit and Detect/Eliminate Illicit Discharges:

Broome County has investigated the adequacy and/or suitability of existing regulatory controls available to the County to prohibit and detect/eliminate illicit discharges into the County owned and maintained stormwater conveyance system. It was determined that the following existing County Codes: Sanitary, Solid Waste – Dumps and Dumping, and Parks and Recreation Areas address illicit dumping to some extent, but are not sufficient to enable the County to adequately prohibit and eliminate illicit discharge into the MS4. As a result, Broome County enacted local law 5 of 2020 prohibiting illicit discharges.

3.4.3 Program to Detect and Eliminate Non-Stormwater Discharges:

The County program to detect and eliminate illicit discharges into the County owned MS4 is a combined effort involving the following County departments: DPW - Engineering Division, DPW - Highway Division, DPW - Parks and Recreation Department, DPW - Buildings and Grounds Division, DPW – Solid Waste Division, County Health Department, and the Environment Management Council. The Engineering Division has become the central clearing house for issues related to IDDE, with the Health Department handling issues related to sanitary code (septic system discharge). Because Broome County is a traditional non-land use MS4 the focus of our program related to addressing illicit discharge is primarily focused on non-stormwater discharges at our parks and facilities, which can then be addressed and/or handled internally. A more detailed procedure is included in our “Outfall Field Screening Manual”.

3.4.4 Illicit Discharges – General Public Information:

One of the most important aspects of the Illicit Discharge portion of MCM-3 is raising public awareness and understanding of the hazards associated with illicit and/or illegal discharges and why elimination of them is critical to the protection of our natural water resources. Part of this public education is an understanding of the role that everyone can play in identifying and eliminating these potential sources of pollutants. From a County standpoint, this also includes educating our staff; our equipment operators,

our transit drivers, our custodial workers, and our park technicians about the potential sources of illicit discharge and how to identify and avoid them. This emphasis on public education and participation is cross referenced in the goals identified in MCM-1 and MCM-2, as well as good housekeeping guidelines discussed with MCM-6. New educational material continues to be developed to provide information and direction relative to eliminating and reducing pollution, including illicit discharges.

3.4.5 Exempt Non-Stormwater Discharges (Part I.A.3):

Exempt non-stormwater discharges listed and identified in the Official Compilation of Codes, Rules and Regulations of the State of New York (NYCRR) 750-1.2(a)(29)(vi) and CFR 122.34(b)(3)(ii) given from part I.A.3 of the General Permit have been included in the County IDDE program and public education and outreach efforts. Special attention has been paid to minimize these types of non-stormwater discharges from all County facilities, parks, and/or departments which may be currently discharging exempt non-stormwater flows. Ongoing efforts related to this program goal include detailed site inspections performed by technical staff for self-assessment reports of all County properties to provide consistent reviews that program goals are being achieved (this is cross referenced with efforts noted in MCM-6).

3.4.6 Illicit Discharge – Hotlines and Follow-Up

The stormwater coalition and County have developed a notification system to help identify illicit discharges and illegal dumping through public hotlines and Internet contact as follows:

- A. Hotline through the County Health Department to report illicit discharges. Currently this hotline mainly takes reports related to septic system discharges / issues.
Hotline Number is: 607-778-2887
- B. Hotline through the County DPW Security Department to report illicit dumping.
Hotline Number is: 607-778-DUMP
- C. Availability of a fillable “Report a Complaint” form on the Broome County website available to all residents, which is emailed directly to the County program contact person.

Illicit discharge information that comes into the county through the hotlines or web notification is handled in one of three ways. If the reported discharge is related to septic system discharges, then the County Health Department addresses this per County code. If the reported discharge is not within the County’s jurisdictional MS4, then the complaint is immediately forwarded to the local municipality having jurisdiction for follow-up. If the reported discharge is within the County MS4 or identified at one of the mapped County outfalls, then a DPW staff member from Engineering will investigate the complaint as follows:

- A. If an illicit discharge is located within a County right-of-way, it will be traced back to its source and either addressed internally or directed to the municipality having jurisdiction if the source is outside County jurisdictional MS4.
- B. If an illicit discharge is located at a County facility, park, or other property, the source will be located and addressed with the facility manager as soon as practicable. Every effort will be made to eliminate the source of the illicit discharge immediately upon identification. If the

source of the illicit discharge is a “good housekeeping” issue, additional staff education will be implemented and/or the good housekeeping document will be amended if needed.

3.5 Minimum Reporting Requirements

At a minimum, Broome County shall report on the following items:

- The number and percent of outfalls mapped.
- The number of illicit discharges detected and eliminated.
- The percent of outfalls for which an outfall reconnaissance inventory has been performed.
- The status of the system mapping.
- Activities to and results from informing the public of hazards associated with illegal discharges and improper disposal of waste.
- Certification that the regulatory mechanism enacted to prohibit illicit discharges is equivalent to the State’s model IDDE local law.
- Report on effectiveness of the program including best management practices and an assessment of measureable goals.

3.6 Measureable Program Goals

Measureable goals for MCM-3 include the following:

- A. To verify that 100% of County-owned outfalls have been mapped, documented, and inventoried; including those at County-owned facilities (MCM-3A).
- B. To complete an outfall reconnaissance inventory of 20% of mapped County-owned outfalls every year to meet the target of 100% in 5 years. And, to record and track any issues detected including the location and action taken (MCM-3B).
- C. To review and revise Local Law 5 of 2020 to ensure it enacts appropriate legislation to address any deficiencies in the current County Code to address and handle illicit discharge detection and elimination, including any changes identified in the 2024 Permit (MCM-3C).
- D. To install (or reinstall) markers on 100% of the County-owned storm drain CB’s and DI’s within the MS4 area; to be completed each year within the areas of dry-weather inspections (MCM-3D).
- E. To establish a dedicated IDDE reporting system which is advertised, and to create a centralized tracking and reporting of IDDE complaints with information related to follow-up (MCM-3E).
- F. To educate and inform 100% of Broome County employees and staff about IDDE’s; what they are, how to report them, and how to address them (MCM-3F).

- G. To inform and educate businesses and industries about the negative environmental impacts of illegal dumping as well as chemical and hazardous waste spills, and to encourage the use of BMP's to prevent and control illicit discharges through the County 239 review process (MCM-3G).

Minimum Control Measure 4: Construction Site Stormwater Runoff Control

4.1 Description of Minimum Control Measure

The Construction Stormwater Management, Minimum Control Measure 4 consists of BMPs that focus on the reduction of pollutants to the MS4 from construction activities that result in land disturbance of greater than or equal to one acre. The reduction of stormwater discharges from construction activities disturbing less than one acre will be considered if it is part of a larger common plan of development or sale that would disturb more than the one-acre threshold. Although runoff from construction sites may contain any number of pollutants, by far the main pollutant of concern is sediment. Sediment runoff rates from construction sites are typically 10-20 times greater than those from agricultural land, and as much as 1000-2000 times greater than those from forested lands. The BMPs for this MCM describe the development of a regulatory mechanism that provides authority to require erosion and sediment controls at County owned and/or controlled sites and projects; enforcement procedures and actions to ensure compliance; requirements for construction site operators to implement appropriate erosion and sediment control BMPs; requirements for construction site operators to control wastes such as discarded building materials, concrete truck washout, chemicals, litter and sanitary wastes at the construction site; procedures for receipt and consideration of information submitted by the public; and procedures for site inspection and enforcement of control measures.

As a traditional non-land use MS4, the ability of Broome County to regulate construction site runoff control and stormwater management applies only to projects conducted for the County at County-owned sites. Individual municipalities within the County address construction site stormwater control for privately-owned and managed projects. County involvement with these projects is through the 239 review process, but is in an advisory capacity only.

4.2 General Permit Requirements

A. 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;
 - 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.

B. 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.

C. 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*.

D. 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, complete¹⁴).
- b) Annually, the MS4 Operator must update the inventory if construction projects are approved or completed.

¹⁴ 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.

E. 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.

F. 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.

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*¹⁵ created by the Department and required by the CGP, signed in accordance with Part X.J.

¹⁵ The *MS4 SWPPP Acceptance Form* can be found on the Department's website.

G. 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 preconstruction 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 receive¹⁶, 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.

¹⁶ 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*.

H. 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.
- 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*.

I. 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)¹⁷ 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.

¹⁷ The NOT can be found on the Department's website.

4.3 Methodology for Compliance with Permit Requirements

As a traditional non-land use MS4, Broome County is unable to adopt a local law regulating Stormwater Pollution Prevention and Erosion and Sediment Control in accordance with the state local law because the County does not regulate land use. However, the County can establish a policy that will enforce a program which reduces pollutant runoff from construction sites associated with County owned and managed projects, including review of SWPPP's, inspection of construction sites, and enforcement of permit requirements on contractors that do not comply with the regulations. This policy will utilize the County's regulatory mechanism of contracts, bid specifications and requests for proposals to achieve standards of protection equivalent to the NYS SPDES General Permit for Stormwater. The Broome-Tioga Stormwater Coalition provides and sponsors NYSDEC erosion control training to developers, owners, design & inspection engineers, and contractors to meet this program goal. This training is also provided to county staff responsible for inspecting construction sites, enforcing permit requirements, and doing any type of construction and/or earth disturbance on County projects. For consistency, the requirements of this MCM have been extended to the boundaries of the entire County regardless of the actual MS4 boundary. 100% of Broome County projects have the same requirements under this program.

4.4 Best Management Practices Implemented, Underway and/or Proposed

4.4.1 Regulatory Mechanisms used by the County

Broome County utilizes bid and contract documents to meet MCM-4 permit requirements at County-controlled construction sites meeting the "greater than or equal to 1-acre of land disturbance" criteria. Most of the County's larger projects are designed by consultants so the following criteria are followed:

- A. Consultant contracts require engineering firms to develop a SWPPP as part of any project development, approval and permitting process in accordance with the most current NYS-DEC stormwater management practices and BMPs.
- B. Developed SWPPP's are reviewed by DPW trained engineering staff and become a part of the bid and contract documents for the project. The standard NYSDEC SWPPP review checklist is used for review purposes (see form in Appendix B).

- C. If a SWPPP is required for a County project, the SWPPP is incorporated into and made a part of the bid and contract documents, and the Contractor is required to provide a trained and certified erosion and sediment control person on site to monitor the SWPPP inspection and reporting requirements. Additionally, this person is required to be on site during all soil disturbance activities. Copies of personnel certifications are required by contract like other licensed trades.
- D. Consultant construction inspection staff as well as county staff associated with these construction projects are required to be either licensed professional engineers, or trained and certified in erosion and sediment control principals and practices.
- E. Bid and contract documents allow for inspection staff to stop work for non-compliance with contract SWPPP's.

Although most of the County's projects do not meet or exceed the 1-acre threshold for SWPPP requirements, the County encourages similar methods and use of erosion and sediment control BMP's for all construction work under County jurisdiction. Many of our maintenance and repair projects are near streams and other water bodies which require compliance with state and federal nationwide permits which have clear requirements for natural resource protection. In these cases, permit requirements are always made a part of every construction contract and stipulations of these permits are included in construction inspection requirements for both consultant and county staff.

4.4.2 Erosion and Sediment Control Training

The NYSDEC 4-hour Contractor Erosion and Sediment Control Training is sponsored by the Broome-Tioga Stormwater Coalition several times each year as needs dictate. This training is available to contractors and consulting staff; however, Broome County has established the following mandatory staff training guidelines:

- A. County engineering staff (non-PE's) who work with construction projects or other infrastructure maintenance projects are all required to take the erosion and sediment control training and keep their certifications current.
- B. County Highway Division superintendents and field crew leaders are all required to take the erosion and sediment control training and keep their certifications current.
- C. Other County Divisions and Departments that have staff who are required to monitor any type of stormwater SWPPP's at facilities and/or on construction sites are required to take the erosion and sediment control training and keep their certifications current.

4.4.3 Internal BMPs for County Repair and Maintenance Work:

As mentioned above, it is a goal of Broome County to utilize erosion and sediment control BMPs for all County repair and maintenance work. This includes everything from street sweeping and ditch maintenance to culvert replacement and road rehabilitation. Along these lines we have and utilize a catalog of standard erosion and sediment control details with both our internal construction crews as well as with our term contractor(s). As part of the ongoing effort to incorporate BMPs into our everyday maintenance and repair work, and in coordination with the ongoing efforts to develop comprehensive

Pollution Prevention and Good Housekeeping Guidelines for all County facilities and departments, we have reviewed our standard procedures and amended them to incorporate changes necessary to achieve BMPs in this type of work.

4.4.4 Inventory and Tracking of Active County Construction Sites

A county project spreadsheet is maintained by the Broome County DPW – Engineering Division which tracks active County construction sites that fall under the criteria of MCM-4 (greater than or equal to 1-acre of disturbance). This spreadsheet includes project name, type of project, project location, start date, contractor name, and end date. Since the County does so few projects which are within the jurisdiction of MCM-4 (>1-acre of disturbance), this project tracking spreadsheet has been amended to include all active construction under the County's jurisdiction which include earth disturbance of any type.

4.4.5 Construction Site Prioritizations

As set by the general permit if any of the conditions are met any county sponsored construction site(s) is a high priority construction site. If construction is performed with a direct surveyance (ex., channel, ditch, storm sewer) to Minor Tribes to Lower Susquehanna (north) (0603-0044). If construction is greater than five acres of disturbed earth at any one time. If earth disturbance within one hundred feet of any lake or pond. If within fifty feet of any rivers or streams. All other construction sites are considered low priority. All prioritizations will be within the project spreadsheet.

4.4.6 Public Input – Addressing and Tracking

Calls and emails from the public related to construction site issues (typically erosion and/or sedimentation concerns) are directed to the Department of Public Works (either Highways or Engineering). The procedures established to address these concerns are as follows:

- A. If the project of concern is not a County project, then the local municipality will be notified immediately for follow-up.
- B. If the project of concern is a County project, a DPW staff member from Highways or Engineering will conduct a site inspection within 24-hours of the complaint and will then follow-up with the Contractor to address whatever issues / problems are discovered.
- C. A formal record is compiled by the Engineering Division including any public complaints lodged relative to construction site erosion or other issue which may impact the MS4 permitted area, the nature of the complaint, and how the complaints were addressed (and by whom).

4.4.7 239 Review Process for Advisory Input into Local Projects

As noted previously, Broome County's classification as a traditional non-land use MS4 limits our jurisdictional responsibility to regulate construction site runoff from any private or municipally owned projects. However, the County does review projects that meet the criteria set forth in General Municipal Law 239 l, m & n including those projects within 500-feet of County owned right-of-ways and/or properties/facilities. Projects are routed to DPW staff for review of stormwater measures and SWPPP's as applicable. Advisory comments are provided to local boards regarding stormwater BMPs and proposed erosion/sediment control measures on projects reviewed by DPW.

4.5 Minimum Reporting Requirements

At a minimum, Broome County shall report on the following items:

- Number and types of sanctions employed by the County.
- Status of the regulatory mechanism – to certify that mechanisms will assure compliance with NYS SPDES permit for stormwater discharges from construction activities.
- Percent of active County construction sites inspected once.
- Number of County construction sites authorized for disturbance activities of one or more acres.
- Report on the effectiveness of the program, BMPs, and measurable goals.

4.6 Measureable Program Goals

Measureable goals for MCM-4 include:

- A. To assure that 100% of County Contracts, both with consultants and with contractors include appropriate erosion control language - either requiring design considerations from consultants or construction considerations from contractors. This includes SWPPP's and other environmental permits included in the bid documents as part of the legal contract, and language which allows inspectors to stop work if projects are in non-compliance. (MCM-4A)
- B. To assure that 100% of County work with SWPPP's have a contractor with appropriately trained staff (NYSDEC Erosion Control Certified), that a copy of the certification be provided prior to start of work, and that this trained person be on site during all earth moving operations. (MCM-4B)
- C. To assure that 100% of inspectors on 100% of County projects are either P.E.'s, CPESC's or trained and certified in erosion and sediment control. (MCM-4C)
- D. To have 100% of County staff who are involved with earth moving and construction types of projects for the County complete the 4-hour erosion and sediment control training for contractors. This includes (at a minimum), County Highway Superintendents and Field Crew chiefs who are responsible for directing construction activities. (MCM-4D)

- E. To track and inspect 100% of County sponsored projects for erosion and sediment control compliance at least once every 7 days, regardless of whether the project requires a SWPPP. (MCM-4E)
- F. To log and track 100% of complaints / reports coming into the County related to erosion and/or sedimentation issues, and tracking actions taken and/or follow-up. (MCM-4F)
- G. To utilize the 239-review process for site plan and development review to incorporate consideration of potential water quality impacts and to ensure consistency with erosion and sediment control criteria in general, and potential impacts to County owned properties and infrastructure specifically. (MCM-4G)

<p style="text-align: center;">Minimum Control Measure 5: Post-Construction Runoff Control</p>

5.1 Description of Minimum Control Measure

The Post-Construction Stormwater Management Minimum Control Measure consist of BMPs that focus on the prevention or minimization of water quality impacts from both new and re-development projects that disturb one acre or more. This also includes projects of less than one acre that are part of a larger common plan of development that discharges stormwater into the MS4. The BMPs describe structural and/or non-structural practices, the internal regulatory mechanisms that will be used to address post-construction runoff from new and redeveloped County projects, and the internal procedures to assure long term operation and maintenance of implemented BMPs. MCM-5 also requires regulated MS4s to identify water quality problems and implement stormwater retrofits to address these problems.

5.2 General Permit Requirements

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

B. Post-Construction *SMP* Inventory & Inspection Tracking¹⁸

- 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 postconstruction *SMP*:
 - i) Street address or tax parcel;
 - ii) Type;¹⁹
 - 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;
- 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*.

¹⁸ Post-construction *SMPs* can be found at a *municipal facility*.

¹⁹ 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).

C. SWPPP Review

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

D. 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 postconstruction *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 postconstruction *SMPs*.
 - ii. Documentation of post-construction *SMP* inspections using the Post-Construction *SMP* Inspection Checklist²⁰ 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 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*.

5.3 Methodology for Compliance with Permit Requirements

As a traditional non-land use MS4 entity, Broome County is unable to adopt a local law regulating the design and management of post-construction stormwater pollution prevention measures in accordance with the state local law. However, the County can establish a policy that will enforce a program which reduces pollutant runoff from both newly and re-developed County projects / sites as well as examining water quality problems and potential retrofits to address these problems. This policy will utilize the County's regulatory mechanism of contracts and bid specifications to implement these measures into County projects and to examine retrofits in redevelopment and/or maintenance projects. Various departments and divisions will be given the staff training and responsibility for inspection and proper operation and maintenance of permanent post-construction BMPs to ensure adequate long-term management and operation at County facilities. As of the issuance of the general permit in May 2010, the requirements of this MCM now extend to the boundaries of the entire County regardless of the extent of the urbanized area.

5.4 Best Management Practices Implemented, Underway and/or Proposed

5.4.1 Inventory of Post-Construction Stormwater Management

Broome County has committed to incorporating permanent BMP stormwater protection measures in all new and redevelopment projects which meet the general permit requirements and are under the

direction and control of the County, to address water quality issues within the MS4 to the maximum extent practicable. This includes both structural and non-structural practices in accordance with current NYSDEC stormwater requirements and regulations. This commitment includes incorporation of permanent erosion and sediment control measures, BMP stormwater management features, and post-construction SWPPP maintenance of these features. An inventory of County owned and maintained post-construction stormwater management facilities is included in Appendix C.

²⁰ 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.

5.4.2 Inspection Program for BMP Practices at County Facilities

Where permanent post-construction BMPs have been constructed within County MS4 jurisdiction, the following program for inspection, operation and maintenance has been (or will be for future practices) put in place:

- A. A practice specific O&M plan will be developed from the project SWPPP (and supplemented from the most current version of the NYS Stormwater Design Manual) which details how to inspect, operate, and maintain the stormwater facility.
- B. In addition to customized inspection procedures, this plan will include inspection report forms individualized to assist with identifying any problem or issues that must be repaired and/or adjusted.
- C. Each plan will identify the department and staff member responsible for inspection, the frequency of required inspections, and reporting procedures should any deficiencies be found.

Each responsible department, division, or facility will be accountable for tracking and record keeping, including corrective measures taken (if needed). The DPW-engineering division will be responsible for maintaining a master file of all applicable projects and/or measures for which individual O&M plans have been developed, and will scan and electronically file all applicable records on an annual basis (as of March 1st, annually).

5.4.3 Facility Maintenance O&M Training

When any new post-construction stormwater management practices are installed and an O&M plan developed as described above, DPW-engineering staff will provide the responsible department and/or staff member with individualized training at the time of project completion and turn-over.

5.4.4 County Stormwater Management Planning

Broome County's long range planning to address and deal with regional clean water initiatives and post-construction stormwater management issues includes ongoing project identification within the newly revised County Hazard Mitigation Plan, as well as within the County Comprehensive Plan (currently under revision). It is anticipated that the revised comprehensive plan will identify suggested BMPs to be recommended at redevelopment areas throughout Broome County including features such as green infrastructure, low impact development, and better site design. The plan will also address related issues of County-owned infrastructure, open space preservation and water resources management.

5.5 Minimum Reporting Requirements

At a minimum, Broome County shall report on the following items:

- The number and type of sanctions.
- The number and type of post-construction stormwater management practices implemented at County facilities and / or projects.
- The number and type of post-construction stormwater management practices inspected at County facilities and / or projects.
- The number and type of post-construction stormwater management practices maintained at County facilities and / or projects.
- The status of the regulatory mechanism to assure compliance with the NYS SPDES Permit for Stormwater Discharges from Construction Activities.
- The effectiveness of the program, BMPs and measurable goal assessments.

5.6 Measureable Program Goals

Measureable Goals for MCM-5 include:

- A. To develop and maintain an INVENTORY of 100% of the County's Post-Construction Stormwater Management Practices including location, inspection records and responsible departments / staff. (MCM-5A)
- B. To INSEPECT 100% of the County's Post-Construction Stormwater Management Practices annually. (MCM-5B)
- C. To MAINTAIN 100% of the County's Post-Construction Stormwater Management Practices annually - in accordance with established O&M guidelines. (MCM-5C)
- D. To TRAIN 100% of the County staff responsible for inspection and O&M of the County's Post-Construction Stormwater Management Practices, with respect to inspections, record keeping, operation, and maintenance (including good housekeeping measures). (MCM-5D)

Minimum Control Measure 6: Pollution Prevention and Good Housekeeping

6.1 Description of Minimum Control Measure

The Pollution Prevention and Good Housekeeping for Municipal Operations Minimum Control Measure consist of BMPs that focus on the prevention and/or reduction of pollutant runoff from municipal operations and/or facilities. MCM 6 is addressed through the development and implementation of a comprehensive Municipal Pollution Prevention and Good Housekeeping Program which describes controls for reducing and/or eliminating the discharge of contaminants from the following:

- Street and Bridge Maintenance
- Winter Road Maintenance
- Stormwater Drainage System Maintenance
- Vehicle and Fleet Maintenance
- Parks and Open Space Maintenance
- Municipal Building Maintenance
- Solid Waste Management
- New Construction and/or Land Disturbances
- Right-of-Way Maintenance
- Hydrologic Habitat Modification (i.e. stream channel and floodplain management)
- Other Municipal Facilities Operations

Another critical component of this program is training and education of municipal staff on the hazards of stormwater pollution and the practices required to prevent and mitigate those hazards.

6.2 General Permit Requirements

A. *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*:

A1. 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 *BMPs*:
 - 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 runoff 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 *no 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.

A2. 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.

A3. 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.

A4. Erosion and Sediment Controls³¹

- i. Stabilize exposed areas and control runoff using structural and/or nonstructural 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*.

A5. 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*

A6. Salt³² 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.

A7. 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);
- 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.).

A8. 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.

B. Municipal Facilities³³

B1. 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 *municipal facility* procedures and once every (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*.

B2. 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.

B3. 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, antifreeze, lead-acid batteries, tires, waste/debris;
 - j) Fueling stations; and/or
 - k) 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*.
- 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*.

6.3 Methodology for Compliance with Permit Requirements

Broome County is ultimately responsible for development and implementation of a pollution prevention and good housekeeping program to meet the general permit requirements listed above, fulfill Multi-Sector General Permit requirements for County facilities within the MS4 boundaries (if necessary), perform self assessments at least every three years, and to provide necessary staff training to implement and run the program. To assure that all aspects of this MCM are being adequately addressed for all County operations and facilities, the County contracted with a third-party consulting engineer to assist with the development of facility specific SWPPP plans. These site-specific plans include facility information such as operations assessment and specific potential pollutants based on these operations, suggested / recommended pollution prevention and good housekeeping measures, and record keeping / training recommendations. Plans also include facility mapping and forms for annual record keeping and self-assessments.

6.4 Best Management Practices Implemented, Underway and/or Proposed

6.4.1 Stormwater Pollution Prevention Planning for Municipal Operations

Currently Broome County has site specific SWPPP plans for each County-owned facility which are being used to direct pollution prevention and good housekeeping measures at each facility. Additionally, these plans are being used as the basis for self-assessments, and annual record keeping for reporting purposes. Facility specific plans provide assignment of specific responsibility to departmental personnel and detailed information about each individual site. Detailed testing and monitoring plans have also been developed for those facilities within the MS4 jurisdiction that would otherwise be subject to the NYS Multi-Sector general permit.

The County also has a well defined and managed spill protection control and countermeasures plans (SPCC) for all facilities and buildings with petroleum bulk storage, or any other type of storage for which

spill prevention may be necessary, both within and outside of the MS4 boundary. This program includes annual staff training, monthly monitoring, and an established reporting system.

It is the intent of the facility specific SWPPP plans to meet the General Permit requirements listed in Section 6.2 above including BMPs and measurable goals to ensure the reduction of all pollutants of concern in stormwater discharges to the maximum extent practicable.

6.4.2 Staff Training Programs

An important component of pollution prevention and good housekeeping is the staff training component. Our final objective is to clearly establish educational guidelines for County employees within each department as well as at each facility, and to formulate specific training modules based on facility and job needs. (For example, the custodial staff does not necessarily need to be trained on BMP's for ditch cleaning; however, it is critical for them to have a good IDDE training related to onsite drainage, care of site dumpsters, etc.) Currently our internal training is more generic and not facility or position specific. However, eventually our program will specify what training is needed, who needs to be trained, what they need to be trained on, frequency of training, and required record keeping to sufficiently document this training.

6.4.3 Program Record Keeping System

One of the most critical components of an inclusive pollution prevention and good housekeeping program is adequate record keeping which should clearly verify compliance with the General Permit requirements. Although record keeping is occurring at these facilities, it is our intent to develop a uniform tracking and reporting system which will be applied across all County departments and divisions with a central annual filing system to be located in the DPW Engineering Division with the rest of the program files.

6.4.4 Self Assessments

The final part of this program will include the self-assessment survey to be completed and updated every 5 years, as required by the permit. It is our intent to utilize DPW-engineering staff to assist facility managers with this self-assessment by conducting walk-throughs every 5th summer with facility staff to conduct an in-depth review of all facility operations which may impact stormwater. Reports will be generated for each facility inspected, and will then be used to target areas of improvement. The latest self-assessment survey was completed in 2022, and the next one is scheduled for 2027.

6.5 Minimum Reporting Requirements

At a minimum, Broome County shall report on the following items:

- Indicate the municipal operations and facilities that the pollution prevention and good housekeeping program assessed.
- Describe the management practices, policies and procedures that have been developed, modified and/or implemented; and report (at a minimum) on the following items that the County's pollution prevention and good housekeeping program addressed during the reporting year:
 - a. Acres of parking lot swept
 - b. Miles of street swept
 - c. Number of catch basins inspected and (where necessary) cleaned

- d. Post-construction control stormwater management practices inspected, and (where necessary) cleaned
- e. Pounds of phosphorus applied in chemical fertilizers
- f. Pounds of nitrogen applied in chemical fertilizers
- g. acres of pesticides and/or herbicides applied
- Staff training events and number of staff trained.
- Report of effectiveness of the program, including BMP and measureable goal assessment.

6.6 Measureable Program Goals

Measureable goals for MCM-6 include:

- A. To complete a self-assessment every 3-years for each of the 25 County facilities within the MS4 jurisdictional area, and then to use these assessments to evaluate established good housekeeping and implement changes as needed. (MCM-6A)
- B. To sweep 100% of County roads and parking lots within the MS4 boundaries at least once annually in accordance with Good Housekeeping measures. (MCM-6B)
- C. To inspect and clean 50% of catch basins and drop inlets within the MS4 boundary annually. (MCM-6C)
- D. To minimize the amount of phosphorous and nitrogen applied in chemical fertilizers. (MCM-6D)
- E. To minimize the acreage where pesticide/herbicide usage within the MS4 boundaries. (MCM-6E)
- F. To develop staff training related to the stormwater program, IDDE, and good housekeeping measures, and to have 100% of applicable County staff educated in accordance with this goal. This goal will be accomplished in part by the BTSC as part of MCM-1 and MCM-2, they will assist in the creation of applicable training materials and opportunities. (MCM-6F)
- G. To target 100% distribution of good housekeeping guidelines and training materials to new County employees upon orientation. (MCM-6G)
- H. To maintain the County's existing PBS/SPCC plans and training as established and to keep these plans current with any changes in state and/or federal regulations. (MCM-6H)
- I. To complete an updated and detailed inventory of County buildings and facilities within the MS4 boundaries (including updated mapping) and to develop facility specific good housekeeping programs and reporting documents for each. (MCM-6I)
- J. To implement program tracking and record keeping that is individualized for each County facility based on the good housekeeping documents and in accordance with the NYSDEC tracking system and forms. (MCM-6J)

APPENDIX A

Broome-Tioga Stormwater Coalition Intermunicipal Agreement

**INTERMUNICIPAL AGREEMENT
TO FORM THE BROOME-TIOGA STORMWATER COALITION FOR
FEDERAL PHASE II MS4 STORMWATER REGULATION IMPLEMENTATION
IN BROOME AND TIOGA COUNTIES**

March 2014

An INTERMUNICIPAL AGREEMENT among municipal corporations of the County of Broome, Edwin L. Crawford Building, 44 Hawley St, PO Box 1766 and the County of Tioga, 56 Main Street, Owego NY 13827, hereinafter referred to as "Counties" and the City of Binghamton, 38 Hawley Street, Binghamton NY 13901, hereinafter referred to as "City" and the Town of Binghamton, 279 Park Avenue, Binghamton NY 13903, the Town of Chenango, Chenango Town Hall, 1137 Front Street, Binghamton NY 13905, the Town of Conklin, PO Box 182, 1271 Conklin Rd, Conklin NY 13748, the Town of Dickinson, 531 Old Front Street, Binghamton NY 13905, the Town of Fenton, 44 Park Street, Port Crane NY 13833, the Town of Kirkwood, 70 Crescent Drive, Kirkwood NY 13795, the Town of Owego, 2354 State Route 434, Apalachin, NY 13732, the Town of Union, 3111 E Main Street, Endwell NY 13760, the Town of Vestal, 605 Vestal Parkway W, Vestal NY 13850, hereinafter referred to as "Towns", and the Village of Endicott, 1009 E Main Street, Endicott NY 13760, the Village of Johnson City, 243 Main Street, Johnson City NY 13790, and the Village of Port Dickinson, 786 Chenango Street, Binghamton NY 13901, hereinafter referred to as "Villages".

WHEREAS, Broome County and Tioga County are responsible for coordination of water quality management activities in their Counties through the Broome and Tioga County Water Quality Coordinating Committees and;

WHEREAS, the Phase II federal stormwater regulations require that small municipal separate storm sewer systems must be authorized in accordance with the State Pollutant Discharge Elimination System (SPDES) General Permit for Stormwater Discharges from Municipal Separate Storm Sewer Systems; and;

WHEREAS, the Phase II federal stormwater regulations require that regulated small municipal separate storm sewer system operators must prepare and implement a stormwater management program that includes six minimum control measures; and;

WHEREAS, the municipalities recognize that, because watersheds and separate storm sewer systems cross municipal boundaries and because there are opportunities to save time, money, and energy by working collaboratively, the municipalities should work together to identify and analyze options for meeting the requirements of the Phase II Federal stormwater regulations; and;

WHEREAS, the Counties, Towns, Villages and City have an interest in protecting water quality and have been participating in or following the work of the Broome-Tioga Stormwater Coalition and;

WHEREAS, the Towns and Villages and City and the Counties of Broome and Tioga recognize the benefits of cooperating to achieve improved water quality and flood control, and;

WHEREAS, a Broome-Tioga Stormwater Coalition started has been holding meetings since January of 2003 to identify and analyze options for pooling resources to meet the requirements of the Phase II Federal Stormwater Regulations, and;

WHEREAS, the Broome-Tioga Stormwater Coalition provides participating MS4 communities with access to public education programming, public participation events, training opportunities, collaborative annual reporting, and other services, and;

NOW, THEREFORE, in consideration of the mutual covenants and agreements hereinafter set forth, the parties hereto mutually agree as follows:

1. To continue participation as formal members of the Broome-Tioga Stormwater Coalition.

2. To contribute an annual fee of \$1000.00 toward the implementation of Broome-Tioga Stormwater Coalition projects and programming to be submitted by March 10th of each year, the beginning of the MS4 annual reporting period, to be submitted to Southern Tier East Regional Planning Development Board per their role in BTSC administration.
3. To authorize the work of the Broome-Tioga Stormwater Coalition whose purpose it is to cooperatively implement the MS4 Stormwater Management Plans required by the DEC's Phase II Stormwater regulations and thereby oversee the utilization and expenditure of funds received on behalf of the Coalition for said purpose.
4. Each municipal corporation will designate an official representative to serve on the Broome-Tioga Stormwater Coalition. The designee shall be responsible to attend and participate in meetings of the Coalition and to transmit stormwater policy issue questions to their municipal corporation. The designee shall also be responsible to obtain opinions on stormwater policy issues from the municipal corporation and to share such opinions with the Stormwater Coalition membership. Each municipal corporation may also designate additional representatives to participate in the work of the Stormwater Coalition in cooperation and coordination with the official representative.
5. This Agreement may be modified or amended only in writing duly executed by all parties, which shall be attached to and become a part of this Agreement.
6. Each municipal corporation shall, to the extent of its general commercial liability insurance, indemnify and hold harmless the other municipal corporations, its officers, agents and assigns for all liability arising as a result of its own acts and omissions regarding the activities under this Agreement. It is understood and agreed that no municipal corporation shall indemnify any or all of the other municipal corporations for liability arising as a result of the acts or omissions of another municipal corporation who is a party to this Agreement.
7. The Agreement shall be governed by and construed in accordance with the laws of New York State without regard or reference to its conflict of laws and principles.
8. This agreement shall become effective upon the municipal corporation's execution of the Agreement. In the event that not all of the municipal corporations identified in the initial paragraph of this Agreement execute the Agreement, the municipal corporations executing the Agreement agree that it shall be binding as to them.
9. Any municipal corporation may withdraw from this Agreement upon sixty (60) days written notice to the other municipal corporations who are parties to the Agreement. The withdrawal of one or more municipal corporation shall not result in the termination of this Agreement and its provisions shall continue to be applicable to the municipal corporations remaining parties to the Agreement.
10. This Agreement may be terminated upon the written consent of a majority of the municipal corporations who are parties to this Agreement at the time of the proposed termination.

Approved as to form
BY CDS
BROOME COUNTY
ATTORNEY'S OFFICE

IN WITNESS WHEREOF the signatories of this agreement hereby authorize this Memorandum of Understanding:

Debra A. Preston
Debra A. Preston, Broome County Executive

Date 4/29/14

Martha C. Sauerbrey
Martha C. Sauerbrey, Tioga County Legislature Chair

Date 4-18-14

Richard C. David
Richard C. David, City of Binghamton Mayor

Date 1/23/15

Timothy P. Whitesell
Timothy P. Whitesell, Town of Binghamton Supervisor

Date 4/7/15

Hal Sntopek
Hal Sntopek, Town of Chenango Supervisor

Date 3-2-15

James E. Finch
James E. Finch, Town of Conklin Supervisor

Date 3-26-14

Michael Marinaccio
Michael Marinaccio, Town of Dickinson Supervisor

Date 2-22-15

David C. Hamlin
David C. Hamlin, Town of Fenton Supervisor

Date 1/20/15

Gordon E. Kniffen
Gordon E. Kniffen, Town of Kirkwood Supervisor

Date 5-13-14

Donald Castellucci, Jr.
Donald Castellucci, Jr., Town of Owego Supervisor

Date 9/16/15

Rose A. Sotak
Rose A. Sotak, Town of Union Supervisor

Date

W. John Schaffer
W. John Schaffer, Town of Vestal Supervisor

Date 3/13/14

John Bertoni
John Bertoni, Mavor of Village of Endicott

Date 3/5/15

Gregory W. Deemie
Gregory W. Deemie, Mayor of Village of Johnson City

Date 11/13/14

Kevin M. Burke
Kevin M Burke, Mayor Village of Port Dickinson

Date 10/1/15

APPENDIX B

Broome County Forms & Checklists

Outfall Reconnaissance Inventory

(Inspection of each outfall at least once every five year)

Section 1: Background Data

Outfall ID: 014-5.10LC

Date: 7/10/2018	Time: 11:23:41am	Inspector: Steve C & Phil W
Latitude: 42.096400000000003	Longitude: -75.9756	
Northing: 764353	Easting: 985134	
County Road: Bunn Hill Rd		
Nearest Intersection: Vestal Rd & Vestal PKWY		
Rain Last 24: 0	Rain Last 48: No	
Rain Last 72: No	Temp (°F): 80	
Outfall addition/deletion from inventory: Add		Photos Taken: Yes

Section 2: Outfall Description

Outfall Type: Closed Pipe	Flow Present: No	Flow Description:
---------------------------	------------------	-------------------

Section 2a: Closed Drainage

Material: CPP	Shape: Circular
Diameter/Dimensions: 18in	
Submerged in Water: No	Submerged with Sediment: No

Section 2b: Open Drainage

Material:	Depth:
Top Width:	Bottom Width:

Section 3: Physical Condition of Outfall

Outfall Damage: No	Type:
Deposits/Stains: None	Type:
Abnormal Vegetation: Yes	Type: Excessive
Poor Pool Quality: No	Type:
Pipe Benthic Growth: No	Type:

Section 4: Physical Indicators for Flowing Outfalls

Flow Odor: No	Odor Description:
Flow Color: No	Color Description:
Turbidity: No	Turbidity Description:
Floatables: No	Type:

Sample Taken:	Collected from:
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Comments:

Photos on Back (If Applicable)



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**Broome County
Construction Erosion Control and Stormwater Compliance Inspection Report**

Project Name and Location:	
Project Number:	Report Date:
Municipality:	Report Time:
On-site County Inspector:	Weather Conditions:
Contractor Completing the work:	Project Start Date:

General Guidelines: As part of the County's MS4 program, we have committed to completing erosion control / stormwater compliance inspection on 100% of County projects involving earth disturbance. If the project does not require a SWPPP and associated reporting, this simplified form will be used and inspections conducted as follows:

- One inspection will be completed for each week (every 7 days) of project duration.
- One inspection will be completed after any rainfall event of ½" or greater.
- One inspection will be completed when your project is done and stabilized.

Inspections shall be completed by Broome County staff (or consultants) who have completed the NYSDEC erosion control training and are currently certified. Completed inspection forms will be forwarded to the County's MS4 coordinator for permanent recording.

Inspection Checklist:

Yes: No:

		1. Are inspections performed as required (see above) – please note which inspection this is:
		2. Are the site inspections performed by a qualified inspector?
		3. Is there any earth disturbance adjacent to a creek, stream, wetland, or other water body?
		4. Has appropriate erosion control been installed to avoid erosion / siltation off your construction site? If no, explain why below.
		5. Are erosion control measures being monitored and maintained during construction activities? If no, explain below.
		6. Has permanent stabilization been provided in areas once construction has been completed? If no, explain below.
		7. Was there any discharge to a receiving waterbody the day of your inspection? If yes, explain below.
		8. Are adjacent receiving waters free from evidence of turbidity, sedimentation, and / or oil? If no, explain below.
		9. Have there been any complaints related to this project? If yes, explain below and include how the issue was addressed.

Provide any comments related to above responses as noted, please use the back of this page as necessary: _____

Overall Inspection Rating (circle one): **Satisfactory** **Marginal** **Unsatisfactory**

Inspector Signature: _____

**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF WATER**

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

Stormwater Pollution Prevention Plan Review Checklist

Project Name:	<input type="checkbox"/> Basic SWPPP (E&SC Plan)	<input type="checkbox"/> Full SWPPP
Site Address:	Watershed:	Date:
MS4 Operator:	Appendix E 303(d) segment:	SPDES General Permit ID Number:
MS4 Permit #:		NYR1 _____
Owner/Operator:	Phone:	Reviewer:
Address:	Fax:	

Site Priority

HIGH

LOW

Citation

MS4 permit IV.D.6

General Requirements

<u>Yes</u>	<u>No</u>	<u>N/A or N/R</u>		<u>Citation</u>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SWPPP contains completed final NOI	III.A.1.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SWPPP identifies potential sources of pollutants in runoff	III.A.2.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SWPPP identifies Trained Contractor.	III.A.6.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Contractor/Subcontractor certification statements have been signed.	III.A.6.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SWPPP is signed by responsible corporate officer, general partner, proprietor, principal executive officer, ranking elected official, or duly authorized representative.	VII.H.2.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	OPRHP documentation	

Erosion & Sediment Control Requirements

<u>Yes</u>	<u>No</u>	<u>N/A or N/R</u>		<u>Citation</u>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Location, type and size of project are described.	III.B.1.a.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Phasing plan and sequence of operations are described.	III.B.1.d.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	HSG is identified.	III.B.1.c.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SWPPP identifies contractor/subcontractor responsible for installing, constructing, repairing, replacing, inspecting and maintaining the E&SCs.	III.A.6.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SWPPP documents selection, design, dimensions, material specifications, installation details, implementation & maintenance of E&SCs, including soil stabilization plans	III.A.1. III.B.1.f. III.B.1.h.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	E&SCs are designed in conformance with the NYS Standards and Specifications for Erosion and Sediment Control; or equivalence to this standard is demonstrated and reason for the alternative is provided.	III.B.1. III.B.1.i.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Maps of general location and site are present showing: Legend, scale, north arrow total area, all improvements, areas disturbed and not disturbed, existing vegetation, onsite and adjacent offsite surface waters, floodplain/floodway boundaries, wetlands and drainage patterns that could be affected the project,	III.B.1.b. III.B.1.

**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF WATER**

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

Stormwater Pollution Prevention Plan Review Checklist

			existing and final contours, locations of soil types & boundaries, material/waste/borrow/equipment storage areas, locations of stormwater discharges, and location/size/length of each E&SC	III.B.1.g.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Location and sizing of any temporary sediment basins or structural practices planned to divert flows from exposed soils are included	III.B.1.h.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Maintenance inspection schedule, in accordance with the NYS Standards & Specs for E&SCs is included	III.B.1.i.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Pollution Prevention measures to control litter, chemicals, debris are described.	III.B.1.j.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Description & location of any industrial stormwater discharges (i.e., concrete, asphalt, etc.) is included	III.B.1.k.

Post-construction Stormwater Management Practices

<u>Yes</u>	<u>No</u>	<u>N/A or N/R</u>		<u>Citation</u>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SWPPP is prepared by a Qualified Professional.	III.A.3.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SWPPP identifies contractor/subcontractor responsible for constructing the SMPs.	III.A.6.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Design Manual planning process for reducing runoff is employed: <u>Site planning</u> to preserve natural features and reduce impervious cover, <u>Calculation of the WQ_v</u> for the site, <u>Incorporation of runoff reduction</u> techniques and standard SMPs with Runoff Reduction Volume (RR _v) capacity, <u>Determine minimum RR_v required</u> , Use of <u>standard SMPs</u> , where applicable, <u>to treat the remaining WQ_v</u> not addressed by runoff reduction techniques and standard SMPs with RR _v capacity, design of <u>volume and peak rate control</u> practices where required	III.B.2.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SWPPP documents selection, design, installation, implementation and maintenance of SMPs	III.A.1.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SMPs are designed in conformance with the applicable sizing and performance criteria in the NYS Stormwater Management Design Manual (Jan. 2015); or equivalence to this standard is demonstrated and reason for the alternative is provided.	III.B.2.c.vi.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	All SMPs are identified, including dimensions, material specs & installation details.	III.B.2.a.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Location & size of SMPs are shown on a site map or construction drawing.	III.B.2.b.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The SWPPP includes a <u>Stormwater Modeling and Analysis Report</u> that contains: <ul style="list-style-type: none"> • <u>Predevelopment map</u> w/ watershed/subcatchment boundaries, flow paths & design points, (<i>list further detail per App. G Design Manual?</i>) • <u>Post-development map</u> showing same plus SMPs, • <u>Hydrology & Hydraulics results</u> for required storm events including supporting calculations, methodology and a summary table comparing pre & post-development runoff rates & volumes for the different storm events, • <u>Summary table</u> w/ calculations showing that ea. SMP conforms w/ the Design Manual sizing criteria 	III.B.2.c.

**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF WATER**

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

Stormwater Pollution Prevention Plan Review Checklist

- Identification of any Design Manual sizing criteria that are not required under the General Permit

<u>Yes</u>	<u>No</u>	<u>N/A or N/R</u>		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Soil testing results and locations of test pits and borings are included	III.B.2.d.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Infiltration test results are included if needed	III.B.2.e.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	O&M plan, including inspection & maintenance schedules, is included and identifies the responsible entity	III.B.2.f.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Enhanced Phosphorus Removal Standards sizing criteria are included if required.	III.B.3.

APPENDIX C

Inventory of County-Owned & Maintained Post-Construction Stormwater Management Facilities / Practices

BROOME COUNTY MS4 POST-CONSTRUCTION STORMWATER PRACTICE INSPECTION LOG

Practice ID#	Location	Type*	Inspection date	Identify maintenance needed	Date work completed	Date maintenance issue closed**
Permanent Measures Tracked and Maintained within MS4 boundaries						
OP-1	Otsinsngo Park south of Bevier Street bridge -- associated with bridge rehab and trail addition	Dry treatment swale with forbay		Sediment buildup behind check dams and in forbay exceeds depth allowed in maintenance plan - need to be cleaned out		
PSF-1	Public Safety Facility - Van Winkle Drive wetland pond	Wetland Pond				
PSF-2	Public Safety Facility - Van Winkle Drive - Upper Parking Lot	Pervious Pavement				
PSF-3	Public Safety Facility - Van Winkle Drive - Lower Parking Lot	Pervious Pavement				
PSF-4	Public Safety Facility - Van Winkle Drive - Front Parking Lot	Pervious pavers (grid)				
HW-1	Airport Road between Lower Stella Ireland Rd and Choconut center	Bioretention area / raingarden				
Greater Binghamton Airport - covered by MSGP - outside MS4 boundaries						
AP-1	Stormwater Pond A - located at the north end of the airport	Treatment Pond				
AP-2	Stormwater Pond B - located at the southern end of the airport	Treatment Pond				
Broome County Landfill - covered by MSGP - outside MS4 boundaries						
LF-1	Landfill - intersection of Knapp and Dunhap Hill Roads	Treatment pond				
LF-2	Landfill - Kanpp Road	Dry Swale system				
LF-3	Landfill - South of DunhamHill Road - north of leachate plant	Treatment pond				

* Types include ponds, wetlands, infiltration and filter systems, open channels, alternative practices. Refer to NYS Stormwater Management Design Manual.

** It will be possible to address some issues immediately without additional followup, but many will require additional visits to determine success of initial repair work.

Note: The Highway Department or Code Enforcement Officer should maintain this form as a summary of each inspection completed. The Operation and Maintenance Log (Appendix G from the New York State Stormwater Management Design Manual) should be referred to for more detailed technical inspection criteria. Each practice within a given development should be listed separately. A separate entry should be used to denote different types of maintenance required for each particular practice.

APPENDIX D

Broome County
Municipal Facilities/Operations
within the MS4 area

BROOME COUNTY FACILITIES W/IN THE MS4 BOUNDARIES - 2024 UPDATE

Facility	Address	Type	Manager	Office Number	Email	GIS Flood	Survey Plans	Onsite Assessment
GNGSP (BCSC) (BAGSAI)	100 Cutler Pond Rd, Binghamton	Facility	Josh Bianco	607-778-1637	Joshua.Bianco@broomecountyny.gov	X	X	Summer 2022
BC Court House	92 Court Street, Binghamton	Facility	Brian Stimak	607-778-2057	brian.stimak@broomecountyny.gov	X	X	Summer 2022
BC Court Annex	65 Hawley Street, Binghamton	Facility	Brian Stimak	607-778-2057	brian.stimak@broomecountyny.gov	X	X	Summer 2022
BC Office Building	60 Hawley Street, Binghamton	Facility	Brian Stimak	607-778-2057	brian.stimak@broomecountyny.gov	X	X	Summer 2022
Dog Shelter	Cutler Pond Road, Binghamton	Facility	Kelly Conlon	607-778-2493	kelly.conlon@broomecountyny.gov	X	X	Summer 2022
En-Joie Golf Course	722 W Main Street, Endicott	Golf Course	Sully Murphy	607-757-5313	smm36751@broomecountyny.gov	X	X	Summer 2022
Forum Theatre	236 Washington St, Binghamton	Facility	Nick Vascello	607-778-1528	Nick.Vascello@broomecountyny.gov	X	X	Summer 2022
George Harvey Justice Building	45 Hawley Street, Binghamton	Facility	Brian Stimak	607-778-2057	brian.stimak@broomecountyny.gov	X	X	Summer 2022
Transportation Center	81 Chenango Street, Binghamton	Facility	Brian Keefer	607-763-4930	brian.keefe@broomecountyny.gov	X	X	Summer 2022
			Chris Abbott	607-763-4436	Christopher.Abbott@broomecountyny.gov	X	X	Summer 2022
Grippen Park	607 South Grippen Avenue, Endicott	Park	Josh Bianco	607-778-6541	Joshua.Bianco@broomecountyny.gov	X	X	Summer 2022
Highway Facility	47 Thomas Street, Binghamton	Facility	Matt Padbury	607-778-1640	matthew.padbury@broomecountyny.gov	X	X	Summer 2022
Janitor's Shop (Court House Basement)	92 Court Street, Binghamton		Marcel Denny	607-778-2458	marcel.denny@broomecountyny.gov	X	X	Summer 2022
Otsiningo Park	1 Otsiningo Park, Binghamton	Park	Josh Bianco	607-778-6541	Joshua.Bianco@broomecountyny.gov	X	X	Summer 2022
Public Library	185 Court St, Binghamton	Facility	Brian Stimak	607-778-2057	brian.stimak@broomecountyny.gov	X	X	Summer 2022
Public Safety Facility	155 Lt. Vanwinkle Dr, Binghamton	Facility	Derek Layton	607-778-1909	derek.layton@broomecountyny.gov	X	X	Summer 2022
			Donny Ballard	607-778-1909	donald.ballard@broomecountyny.gov	X	X	Summer 2022
RAMP-Records Management	1 Floral Avenue, Binghamton	Facility	Peter Neferis	607-778-2151	peter.neferis@broomecountyny.gov	X	X	Summer 2022
Round Top Park	E Round Top Rd, Endicott	Park	Josh Bianco	607-778-6541	Joshua.Bianco@broomecountyny.gov	X	X	Summer 2022
Soil and Water Conservation	Cutler Pond Road, Binghamton	Facility	Ryan Webster	607-778-8826	ryan.webster@broomecountyny.gov	X	X	Summer 2022
Transit Office - Garage	413 Old Mill Road, Vestal	Facility	Brian Keefer	607-763-4930	brian.keefe@broomecountyny.gov	X	X	Summer 2022
			Chris Abbott	607-763-4436	Christopher.Abbott@broomecountyny.gov	X	X	Summer 2022
Veterans Memorial Arena	1 Stuart Street, Binghamton	Facility	Adam Crocker	607-778-1512	adam.crocker@broomecountyny.gov	X	X	Summer 2022
3006 Wayne Street - Emergency Services	3006 Wayne Street, Endicott	Facility	Peter Neferis	607-778-2151	peter.neferis@broomecountyny.gov	X	X	Summer 2022
Western Broome Senior Center	2801 Wayne Street, Endicott	Facility	Peter Neferis	607-778-2151	peter.neferis@broomecountyny.gov	X	X	Summer 2022
Willow Point Nursing Home	3700 Vestal Road, Vestal	Facility	Patrick Hillis	607-763-4904	patrick.hillis@broomecountyny.gov	X	X	Summer 2022
Forget-Me-Not Garden	6 1/2 Sturges Street, Binghamton	Park	Josh Bianco	607-778-6541	Joshua.Bianco@broomecountyny.gov		X	New Facility
Veterans' Resource Center	530 State Street, Binghamton	Facility	Scott Mastin	607-778-6126	Scott.Mastin@broomecountyny.gov		X	Under Construction