



***2010 (YEAR 7) ANNUAL REPORT FOR
CTDEP GENERAL PERMIT FOR THE DISCHARGE
OF STORMWATER FROM SMALL MUNICIPAL
SEPARATE STORMSEWER SYSTEMS (MS4)
THOMASTON, CONNECTICUT***

DECEMBER 2010

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INTRODUCTION / OVERVIEW

I.1 INTRODUCTION

This Annual Report for the Town's Stormwater Management Plan (SWMP) for the year 2010 (Year 7) was developed by the Town of Thomaston for the purpose of reporting the status of compliance with the CTDEP General Permit for the Discharge of Stormwater from Small Municipal Separate Storm Sewer Systems. The report includes an assessment of the appropriateness of the identified best management practices in the SWMP and Part B registration and the progress towards achieving the implementation dates and measurable goals for each of the Minimum Control Measures.

Additional information contained in this report includes all monitoring data collected and analyzed in accordance with Section 6(h) of the General Permit, all other information collected and analyzed, including data collected under Section 6(a)(3) collected during the reporting period, a summary of the stormwater activities the Town plans to undertake during the next reporting period and any change in identified measurable goals or implementation dates applicable to program elements.

I.2 TOTAL MAXIMUM DAILY LOAD (TMDL)

A Total Maximum Daily Load (TMDL) analysis was completed for indicator bacteria in the Naugatuck River Regional Basin. The Naugatuck River is listed on the CT "*Impaired Waters List*" due to exceedences of the indicator bacteria criteria contained within the *State Water Quality Standards*. Under section 303(d) of the Federal Clean Water Act (CWA), States are required to develop TMDLs for waters impacted by pollutants, are included on their Impaired Waters Lists, and for which technology-based controls are insufficient to achieve water quality standards. In general, the TMDL represents the maximum loading that a waterbody can receive without exceeding the water quality criteria, which have been adopted into the WQS for that parameter. The TMDL analysis is a management tool used to restore impaired waters by establishing the maximum amount of a pollutant that a waterbody can receive without adverse impacts to fish, wildlife, recreation, or other public uses and provides guidance for responsible parties to use as a framework for developing a TMDL implementation plan. The "Total Maximum Daily Load Analysis for Recreational Uses of the Naugatuck River Regional Basin" report was approved by the Environmental Protection Agency on June 6, 2008. In accordance with Section 6(k) of the MS4 Permit, municipalities that discharge to TMDL waterbodies must modify their Stormwater Management Plans to address the TMDL. Since the Town of Thomaston is located in the middle of the Naugatuck River Regional Basin, they are required to adhere to all TMDL requirements.

This report will focus on both the MS4 and TMDL program requirements. The MS4 and TMDL program requirements include the following six control measures: public education and outreach; public participation; illicit discharge detection and elimination;

construction stormwater management (greater than 1 acre); post-construction stormwater management; and pollution prevention and good housekeeping.

I.3 ANNUAL REPORT DEVELOPMENT TEAM

As part of the preparation of the Annual Report, a project team was established with representatives of the town and the town's consultant for this assignment, BL Companies.

During the preparation of the Annual Report, the development team met to discuss the status of the SWMP, its BMP's, measurable goals and implementation dates. Specifically, the tasks that were completed during the year 2010 and tasks to be undertaken in the year 2011 were discussed in detail so accurate information could be provided in the Annual Report. A list of the project team is provided below.

Table I.1 ANNUAL REPORT DEVELOPMENT TEAM

Name	Organization & Title
Paul Pronovost	Town of Thomaston Superintendent of Roads
Derek A. Kohl, P.E.	BL Companies Director of Engineering
Aimee B. Uluski	BL Companies Project Engineer

EXECUTIVE SUMMARY

ES.1 INTRODUCTION

Six minimum control measures are required to be included in the SWMP, to satisfy the requirements of the NPDES Phase II program and CTDEP's General Permit for the Discharge of Stormwater from Small Municipal Storm Sewer Systems and the recently implemented Total Maximum Daily Load (TMDL) program requirements. Specific BMP's for each minimum control measure must be selected and incorporated into the plan, and eventually implemented as part of the Town's stormwater management program.

The SWMP that was previously developed by the town outlines a plan of BMP's and measurable goals for each of the six (6) minimum control measures including Public Education and Outreach, Public Involvement / Participation, Illicit Discharge Detection and Elimination, Construction Site Stormwater Runoff Control, Post Construction Stormwater Management and Pollution Prevention / Good Housekeeping. The plan requires that a combination of tasks be undertaken to carry out the BMP's selected for each measure. This includes documentation of ordinances, policies, procedures and training, development of specific programs and products, conducting public information meetings, development of a storm sewer system map, outfall testing, development of new training and additional maintenance requirements.

The BMP's selected for each minimum control measure are summarized and briefly described in this report. Specific details for each BMP including measurable goals, implementation dates, status, dates completed and positions responsible are stated in each of the respective minimum control measures in this report. The First Selectmen and Superintendent of Roads will be responsible for implementation and future enforcement of each of the BMP's for the six minimum control measures.

This annual report will summarize the status of compliance with the TMDL program requirements, the CTDEP General Permit for the Discharge of Stormwater Associated with Small Municipal Separate Storm Sewer System for each of the BMP's listed in the SWMP and in the Part B registration for the permit. The report includes an assessment of the appropriateness of the identified best management practices in the SWMP and Part B registration and the progress towards achieving the implementation dates and measurable goals for each of the Minimum Control Measures.

The program requirements for the MS4 and the TMDLs are consistent. The stormwater management plan developed for year 5 was modified from previous years to incorporate requirements from both programs. The TMDL program will be implemented utilizing an iterative management approach, beginning with year 5 of the CTDEP's General Permit for the Discharge of Stormwater from Small Municipal Storm Sewer Systems annual report. The first step to complying with the TMDLs involved modifying the stormwater sampling plan to focus on stormwater discharges that outlet into the Naugatuck River and the Naugatuck River itself to establish a benchmark. Once established, the benchmark will allow the Town to focus on problem areas and tailor its Stormwater Management Plan to remedy to

problem areas. The stormwater samples for year seven included 2 locations along the Naugatuck River, and 4 locations throughout the Town, ultimately after which each of which discharges into the Naugatuck River.

ES.2 ANNUAL REPORT REQUIREMENTS AND SUBMISSION DATES

The annual report must meet the requirements of General Permit and be submitted by January 1 of the reporting year. The report along with all other pertinent records associated with the General Permit and SWMP must be kept for at least 5 years following the expiration of the General Permit. The annual report and SWMP must be available to the public at reasonable times during regular business hours.

A draft copy of the annual report must also be made available for public review at least 30 days prior to submission.

SECTION 1 – PUBLIC EDUCATION AND OUTREACH

The following BMP's were selected by the town to address the Public Education and Outreach minimum control measure of the General Permit:

- Brochures / Fact Sheets
- Town Website
- Library of Educational Materials
- Storm Drain Marking / Stenciling
- Tributary Signage

Based upon the progress made during the first six reporting years and feedback from town employees and the public, it appears that these BMP's are appropriate. The following tables detail the progress made during the reporting period towards achieving the implementation dates and measurable goals for this minimum control measure.

1.1 BROCHURES / FACT SHEETS

**Table 1.1 Brochure / Fact Sheet BMP
Measurable Goals, Implementation Dates & Status**

Target Date	Status / Completed - Date		Measurable Goal / Activity	Responsible Dept. or Person
	YES	NO (Reason)		
Year 1	YES – Year 1 Collected CTDEP & EPA Materials		Develop and or collect brochure / fact sheet	Superintendent of Roads
Year 2	YES - Year 2 Displayed in First Selectmen's Office and Land Use Office. Displayed at 3 Inland Wetlands Meetings		Display and distribute brochure/fact sheet at Town Hall	Superintendent of Roads
Year 3	YES - Year 3 Displayed in First Selectmen's Office and Land Use Office. Displayed at 3 Inland Wetlands Meetings		Display and distribute brochure/fact sheet at 1 meeting each for Conservation Commission, Inland Wetlands and Watercourse Commission and Planning and Zoning Commission	Superintendent of Roads
Year 4	YES - Year 4 Displayed in First Selectmen's Office and Land Use Office. Displayed at 3 Inland Wetlands Meetings		Display and distribute brochure/fact sheet at 3 public information meetings and hearings for Conservation Commission, Inland Wetlands and Watercourse Commission and Planning and Zoning Commission	Superintendent of Roads
Year 5	Yes - Year 5 Displayed in First Selectmen's Office and Land Use Office. Displayed at 6 Inland Wetlands Meetings		Display and distribute brochure/fact sheet at 6 public information meetings and hearings for Conservation Commission, Inland Wetlands and Watercourse Commission and Planning and Zoning Commission	Superintendent of Roads
Year 6	Yes - Year 6 Displayed in First Selectmen's Office and Land Use Office. Displayed at 6 Inland Wetlands Meetings		Display and distribute brochure/fact sheet at 6 public information meetings and hearings for Conservation Commission, Inland Wetlands and Watercourse Commission and Planning and Zoning Commission	Superintendent of Roads

Year 7	Yes - Year 7 Displayed in First Selectmen's Office and Land Use Office. Displayed at 6 Inland Wetlands Meetings	Display and distribute brochure/fact sheet at 6 public information meetings and hearings for Conservation Commission, Inland Wetlands and Watercourse Commission and Planning and Zoning Commission	Superintendent of Roads
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1.2 TOWN WEBSITE

**Table 1.2 Town Website BMP
Measurable Goals, Implementation Dates & Status**

Target Date	Status / Completed - Date		Measurable Goal / Activity	Responsible Dept. or Person
	YES	NO (Reason)		
Year 1	NO – Partial Draft SWMP Posted		Post SWMP, links and additional information of website	Superintendent of Roads & Webmaster
Year 2	NO Final SWMP, Links and Educational Materials to be posted in Year 3 as a result of update to Town's entire website.		Post Final SWMP, 2004 Annual Report, links and additional information of website	Superintendent of Roads & Webmaster
Year 3	YES Links and Educational Materials need to be added in Years 4 & 5		Update website as required	Superintendent of Roads & Webmaster
Year 4	YES Educational links and materials added to website		Updated Town website to be published January 2008	Superintendent of Roads & Webmaster
Year 5	YES Website has been maintained and updated accordingly		Maintain and Update the website	Superintendent of Roads & Webmaster
Year 6	YES Website has been maintained and updated accordingly		Maintain and Update the website	Superintendent of Roads & Webmaster
Year 7	YES Website has been maintained and updated accordingly		Maintain and Update the website	Superintendent of Roads & Webmaster

1.3 LIBRARY OF EDUCATIONAL MATERIALS

**Table 1.3 Library of Educational Materials BMP
Measurable Goals, Implementation Dates & Status**

Target Date	Status / Completed - Date		Measurable Goal / Activity	Responsible Dept. or Person
	YES	NO (Reason)		
Year 1	YES – Year 1 CTDEP & EPA Materials Collected		Collect data and information	Superintendent of Roads
Year 2	YES – Year 2 Materials available in First Selectmen's Office and Land Use Office		Establish library and make materials available to town employees and public	Superintendent of Roads

Year 3	YES – Year 3 Materials available in First Selectmen’s Office and Land Use Office	Maintain library	Superintendent of Roads
Year 4	YES – Year 4 Materials available in First Selectmen’s Office and Land Use Office	Maintain library	Superintendent of Roads
Year 5	YES – Year 5 Materials available in First Selectmen’s Office and Land Use Office	Maintain library	Superintendent of Roads
Year 6	YES – Year 6 Materials available in First Selectmen’s Office and Land Use Office	Maintain library	Superintendent of Roads
Year 7	YES – Year 7 Materials available in First Selectmen’s Office and Land Use Office	Maintain library	Superintendent of Roads

1.4 STORM DRAIN MARKING / STENCILING

**Table 1.4 Storm Drain Marking / Stenciling BMP
Measurable Goals, Implementation Dates & Status**

Target Date	Status / Completed - Date		Measurable Goal / Activity	Responsible Dept. or Person
	YES	NO (Reason)		
Year 1	YES – Year 1 Markers collected and locations identified		Collect materials from CTDEP and identify appropriate locations for installation	Superintendent of Roads
Year 2	YES – Year 2 Markers installed on 37 catch basins		Install storm drain markers / stencils	Superintendent of Roads
Year 3	YES – Year 3 Markers installed on 40 additional catch basins		Install storm drain markers / stencils	Superintendent of Roads
Year 4	YES – Year 4 Markers installed on 32 additional catch basins		Install storm drain markers / stencils	Superintendent of Roads
Year 5	YES – Year 5 Markers installed on 50 additional catch basins		Install storm drain markers / stencils	Superintendent of Roads
Year 6	YES – Year 6 Markers installed on 25 additional catch basins		Install storm drain markers / stencils	Superintendent of Roads
Year 7	YES – Year 7 Markers installed on 20 additional catch basins		Install storm drain markers / stencils	Superintendent of Roads

1.5 TRIBUTARY SIGNAGE

**Table 1.5 Tributary Signage BMP
Measurable Goals, Implementation Dates & Status**

Target Date	Status / Completed - Date		Measurable Goal / Activity	Responsible Dept. or Person
	YES	NO (Reason)		
Year 1	NO – Lack of Town Resources To be completed in Year 2		Develop tributary signage program and identify locations for installation	Superintendent of Roads
Year 2	YES – Partial 2 suitable locations identified. 2 Signs to be ordered and installed in Year 3.		Install tributary signage at 1 location	Superintendent of Roads
Year 3	YES – Partial 1 Sign installed at Unnamed Tributary to Branch Brook		Install tributary signage at 2 locations	Superintendent of Roads
Year 4	YES - 2 Signs installed at Unnamed Tributary to Branch Brook and Unnamed Tributary to Naugatuck River		Install tributary signage at 2 locations	Superintendent of Roads
Year 5	YES – 2 Signs installed at Unnamed Tributary to Branch Brook, 1 Sign at Unnamed Tributary to Thomaston Reservoir and 1 Sign at Unnamed Tributary to Naugatuck River		Install tributary signage at 4 locations, 2 signs along Old Northfield Rd, 1 along Altair Avenue and 1 sign along West Hill Rd.	Superintendent of Roads
Year 6	YES – 2 Signs installed at Unnamed Tributaries		Install tributary signage at 2 locations	Superintendent of Roads
Year 7	YES –6 Signs installed at 3 Tributary locations (Altair Avenue, Old Northfield Road, and West Hill Road)		Install tributary signage at 3 locations	Superintendent of Roads

All scheduled BMP's were completed in Year 7. An updated Town Website will be posted in January 2011. The website will have both updated educational links and materials posted on it along with the Year 7 Annual Report.

SECTION 2 – PUBLIC INVOLVEMENT / PARTICIPATION

The following BMP's were selected by the town to address the Public Involvement / Participation minimum control measure of the General Permit:

- Public Review and Comment
- Brochures at Town Hall and Public Meetings
- Storm Drain Marking/Stenciling

Based upon the progress made during the first six reporting years and feedback from town employees and the public, it appears that these BMP's are appropriate. The following tables detail the progress made during the reporting period towards achieving the implementation dates and measurable goals for this minimum control measure.

2.1 PUBLIC REVIEW AND COMMENT

**Table 2.1 Public Review and Comment BMP
Measurable Goals, Implementation Dates & Status**

Target Date	Status / Completed - Date		Measurable Goal / Activity	Responsible Dept. or Person
	YES	NO (Reason)		
Year 1	YES		Make Draft SWMP & Part B registration available to public 30 days prior to submission. Inform public via local newspaper	Superintendent of Roads
Year 2	NO	Final SWMP, Links and Educational Materials to be posted in Year 3 as a result of update to Town's entire Website.	Post Final SWMP, 2004 Annual Report, links and additional information of Website	Superintendent of Roads
Year 3	YES – Year 3	Links and Educational Materials need to be added in Years 4 & 5	Make SWMP, Annual Report and materials available to public via town Website.	Superintendent of Roads
Year 4	YES – Year 4	Links and Educational Materials were added to website	Make SWMP, 2008 Annual Report and materials available to public via town Website. Updated Town website will be posted in January 2008	Superintendent of Roads
Year 5	YES – Year 5	Links and Educational Materials were added to website	Make SWMP, 2008 Annual Report and updated materials available to public via town Website.	Superintendent of Roads
Year 6	YES – Year 6	Links and Educational Materials were added to website	Make SWMP, 2009 Annual Report and updated materials available to public via town Website.	Superintendent of Roads
Year 7	YES – Year 7	Links and Educational Materials were added to website	Make SWMP, 2010 Annual Report and updated materials available to public via town Website.	Superintendent of Roads

All BMP's scheduled for Year 7 have been completed. The updated town website with links and educational materials and the Year 7 Annual Report will be placed online in January 2011.

2.2 BROCHURES AT TOWN HALL AND PUBLIC MEETINGS

**Table 2.2 Brochures at Town Hall and Public Meetings BMP
Measurable Goals, Implementation Dates & Status**

Target Date	Status / Completed - Date		Measurable Goal / Activity	Responsible Dept. or Person
	YES	NO (Reason)		
Year 1	YES - Year 1 CTDEP & EPA Materials Collected		Develop and or collect brochure / fact sheet	Superintendent of Roads
Year 2	YES - Year 2 Displayed in First Selectmen's Office and Land Use Office Displayed at 3 Inland Wetlands Meetings		Display and distribute brochure/fact sheet at Town Hall	Superintendent of Roads
Year 3	YES - Year 3 Displayed in First Selectmen's Office and Land Use Office. Displayed at 3 Inland Wetlands Meetings		Display and distribute brochure/fact sheet at 1 meeting each for Conservation Commission, Inland Wetlands and Watercourse Commission and Planning and Zoning Commission	Superintendent of Roads
Year 4	YES - Year 4 Displayed in First Selectmen's Office and Land Use Office. Displayed at 3 Inland Wetlands Meetings		Display and distribute brochure/fact sheet at 3 public information meetings and hearings for Conservation Commission, Inland Wetlands and Watercourse Commission and Planning and Zoning Commission	Superintendent of Roads
Year 5	YES - Year 5 Displayed in First Selectmen's Office and Land Use Office. Displayed at 6 Inland Wetlands Meetings		Display and distribute brochure/fact sheet at 6 public information meetings and hearings for Conservation Commission, Inland Wetlands and Watercourse Commission and Planning and Zoning Commission	Superintendent of Roads
Year 6	YES - Year 6 Displayed in First Selectmen's Office and Land Use Office. Displayed at 6 Inland Wetlands Meetings		Display and distribute brochure/fact sheet at 6 public information meetings and hearings for Conservation Commission, Inland Wetlands and Watercourse Commission and Planning and Zoning Commission	Superintendent of Roads
Year 7	YES - Year 7 Displayed in First Selectmen's Office and Land Use Office. Displayed at 6 Inland Wetlands Meetings		Display and distribute brochure/fact sheet at 6 public information meetings and hearings for Conservation Commission, Inland Wetlands and Watercourse Commission and Planning and Zoning Commission	Superintendent of Roads

2.3 STORM DRAIN MARKING / STENCILING

**Table 2.3 Storm Drain Marking / Stenciling BMP
Measurable Goals, Implementation Dates & Status**

Target Date	Status / Completed - Date		Measurable Goal / Activity	Responsible Dept. or Person
	YES	NO (Reason)		
Year 1	YES – Year 1 Markers collected and locations identified		Collect materials from CTDEP and identify appropriate locations for installation	Superintendent of Roads
Year 2	YES – Year 2 Markers installed on 37 catch basins		Installed storm drain markers / stencils	Superintendent of Roads
Year 3	YES – Year 3 Markers installed on 40 catch basins		Installed storm drain markers / stencils	Superintendent of Roads
Year 4	YES – Year 5 Markers installed on 32 catch basins		Installed storm drain markers / stencils	Superintendent of Roads
Year 5	YES – Year 5 Markers installed on 50 catch basins		Installed storm drain markers / stencils	Superintendent of Roads
Year 6	YES – Year 6 Markers installed on 25 catch basins		Installed storm drain markers / stencils	Superintendent of Roads
Year 7	YES – Year 7 Markers installed on 20 catch basins		Installed storm drain markers / stencils	Superintendent of Roads

SECTION 3 – ILLICIT DISHARGE DETECTION AND ELIMINATION

The following BMP’s were selected by the town to address the Illicit Discharge and Detection minimum control measure of the General Permit:

- Ordinance Regarding Non-Stormwater Discharges
- Storm Sewer System Map
- Illicit Discharge Detection and Elimination Program
- Future Illicit Discharge Detection and Elimination

Based upon the progress made during the first six reporting years and feedback from town employees and the public, it appears that these BMP’s are appropriate. The following tables detail the progress made during the reporting period towards achieving the implementation dates and measurable goals for this minimum control measure.

3.1 ORDINANCE REGARDING NON-STORMWATER DISCHARGES

Table 3.1 Town Ordinance Regarding Non-Stormwater Discharges Measurable Goals, Implementation Dates & Status

Target Date	Status / Completed - Date		Measurable Goal / Activity	Responsible Dept. or Person
	YES	NO (Reason)		
Year 1 - 2	YES – Year 1 Ordinances reviewed. To be revised in Year 2.		Review town ordinances. Revise if necessary. Provide training regarding illegal discharges and improper disposal of wastes.	Superintendent of Roads
Year 2	YES – Year 2 Ordinances reviewed and found to be adequate.		Continue training.	Superintendent of Roads
Year 3	YES – Year 3		Continue training.	Superintendent of Roads
Year 4	YES – Year 4		Continue training.	Superintendent of Roads
Year 5	YES – Year 5		Continue training. Tailgate talks.	Superintendent of Roads
Year 6	YES – Year 6		Continue training. Tailgate talks.	Superintendent of Roads
Year 7	YES – Year 7		Continue training. Tailgate talks.	Superintendent of Roads

3.2 STORMSEWER SYSTEM MAP

Table 3.2 Storm Sewer System Map BMP Measurable Goals, Implementation Dates & Status

Target Date	Status / Completed - Date		Measurable Goal / Activity	Responsible Dept. or Person
	YES	NO (Reason)		
Year 1	YES – Year 1		Acquire base mapping from Council of Governments – Naugatuck Valley	Superintendent of Roads
Year 2 - 3	Year 2 – 50% of field survey complete currently. 100% expected by end of Year 3.		Perform field survey with GPS	Superintendent of Roads
Year 3	Year 3 – Map Completed New Outfalls Mapped as Installed		Develop GIS Map and Database	Superintendent of Roads
Year 4	YES – Year 4 Map completed and updated - additional outfalls were updated as installed		Maintain and Update GIS Map and Database	Superintendent of Roads
Year 5	YES – Year 5 No new outfalls added or located		Modify and maintain database and map (GIS)	Superintendent of Roads
Year 6	YES – Year 6 No new outfalls added or located		Modify and maintain database and map (GIS)	Superintendent of Roads
Year 7	YES – Year 7 No new outfalls added or located		Modify and maintain database and map (GIS)	Superintendent of Roads

3.3 ILLICIT DISCHARGE DETECTION AND ELIMINATION PROGRAM

Table 3.3 Illicit Discharge Detection and Elimination Program Measurable Goals, Implementation Dates & Status

Target Date	Status / Completed - Date		Measurable Goal / Activity	Responsible Dept. or Person
	YES	NO (Reason)		
Year 1	YES – Year 1		Perform outfall monitoring 2 Residential, 2 Industrial & 2 Commercial Outfalls to be sampled.	Superintendent of Roads
Year 2	YES – Year 2		Perform outfall monitoring 2 Residential, 2 Industrial & 2 Commercial Outfalls to be sampled.	Superintendent of Roads
Year 3	YES – Year 3		Perform outfall monitoring 2 Residential, 2 Industrial & 2 Commercial Outfalls to be sampled.	Superintendent of Roads
Year 4	YES – Year 4		Perform outfall monitoring 2 Residential, 2 Industrial & 2 Commercial Outfalls to be sampled.	Superintendent of Roads
Year 5	YES – Year 5		Perform outfall monitoring 1 Residential, 2 Industrial & 1 Commercial Outfalls to be sampled. 2 samples taken from Naugatuck River (northern and southern Town limits)	Superintendent of Roads

Year 6	YES – Year 6	Perform outfall monitoring 2 Industrial & 2 Commercial Outfalls to be sampled. 2 samples taken from Naugatuck River (northern and southern Town limits)	Superintendent of Roads
Year 7	YES – Year 7	Perform outfall monitoring 2 Residential, 1 Industrial & 1 Commercial Outfalls were sampled. 2 samples taken from Naugatuck River.	Superintendent of Roads

3.4 FUTURE ILLICIT DISCHARGE DETECTION AND ELIMINATION

**Table 3.4 Future Illicit Discharge Detection and Elimination
Measurable Goals, Implementation Dates & Status**

Target Date	Status / Completed - Date		Measurable Goal / Activity	Responsible Dept. or Person
	YES	NO (Reason)		
Year 1	YES – Year 1 Monitor Storm Water Discharges		Monitored stormwater discharges	Superintendent of Roads
Year 2	YES – Year 2 Monitor Storm Water Discharges		Monitored stormwater discharges	Superintendent of Roads
Year 3	YES – Year 3 Monitor Storm Water Discharges		Monitored stormwater discharges	Superintendent of Roads
Year 4	YES – Year 4 Monitor Storm Water Discharges		Monitored stormwater discharges	Superintendent of Roads
Year 5	YES – Year 5 Rehabilitated Pipes checked for Illicit Discharges		Monitored stormwater discharges	Superintendent of Roads
Year 6	YES – Year 6 Monitor Storm Water Discharges		Continue to monitor stormwater discharges	Superintendent of Roads
Year 7	YES – Year 7 Monitor Storm Water Discharges		Continue to monitor stormwater discharges	Superintendent of Roads

SECTION 4 – CONSTRUCTION SITE STORMWATER RUNOFF CONTROL

The following BMP's were selected by the town to address the Construction Site Stormwater Runoff Control minimum control measure of the General Permit:

- Ordinance Requiring Erosion and Sediment Controls
- Procedures for Notifying Construction Site Developers and Operators of Requirements for Registration
- Requirements for Construction Site Operators to Implement Appropriate Erosion and Sediment Control Best Management Practices
- Requirements for Construction Site Operators to Control Waste at the Site
- Procedures for Site Plan Review
- Procedures for Receipt and Consideration of Information Submitted by the Public
- Procedures for Site Inspection and Enforcement of Control Measures

Based upon the progress made during the first six reporting years and feedback from town employees and the public, it appears that these BMP's are appropriate. The following tables detail the progress made during the reporting period towards achieving the implementation dates and measurable goals for this minimum control measure.

4.1 ORDINANCE REQUIRING EROSION AND SEDIMENT CONTROLS

Table 4.1 Ordinance Requiring Erosion and Sediment Controls BMP Measurable Goals, Implementation Dates & Status

Target Date	Status / Completed - Date		Measurable Goal / Activity	Responsible Dept. or Person
	YES	NO (Reason)		
Year 1 - 2	YES – Regulations reviewed.		Review and revise current town regulations to include reference to specific documents for design of Erosion and Sediment Control BMP's	Superintendent of Roads Inland Wetlands Stormwater Sub-Committee
Year 2	YES (Partial) – Review of regulations completed. Revisions are required. To be completed in Year 3.		Continue Requirements and Guidelines for Erosion and Sediment Controls on all Projects	Superintendent of Roads Inland Wetlands Stormwater Sub-Committee
Year 3	YES – Revisions made		Continue Requirements and Guidelines for Erosion and Sediment Controls on all Projects	Superintendent of Roads Inland Wetlands Stormwater Sub-Committee
Year 4	YES		Continue Requirements and Guidelines for Erosion and Sediment Controls on all Projects	Superintendent of Roads Inland Wetlands Stormwater Sub-Committee
Year 5	YES		Continue Requirements and Guidelines for Erosion and Sediment Controls on all Projects	Superintendent of Roads Inland Wetlands Stormwater Sub-Committee

Year 6	YES	Continue Requirements and Guidelines for Erosion and Sediment Controls on all Projects	Superintendent of Roads Inland Wetlands Stormwater Sub-Committee
Year 7	YES	Continue Requirements and Guidelines for Erosion and Sediment Controls on all Projects	Superintendent of Roads Inland Wetlands Stormwater Sub-Committee

4.2 PROCEDURE FOR NOTIFYING CONSTRUCTION SITE DEVELOPER AND OPERATORS OR REQUIREMENTS FOR REGISTRATION

Table 4.2 Procedures for Notifying Construction Site Developers and Operators of Requirements for Registration BMP Measurable Goals, Implementation Dates & Status

Target Date	Status / Completed - Date		Measurable Goal / Activity	Responsible Dept. or Person
	YES	NO (Reason)		
Year 1	YES – Regulations reviewed.		Review and revise current town regulations to include procedures for notifying construction site developers and operators of the requirements for registration under the General Permit	Superintendent of Roads Inland Wetlands Stormwater Sub-Committee
Year 2	YES (Partial) – Review of regulations completed. Revisions are required. To be completed in Year 3.		Continue Compliance with Registration Requirements	Superintendent of Roads Inland Wetlands Stormwater Sub-Committee
Year 3	YES		Continue Compliance with Registration Requirements	Superintendent of Roads Inland Wetlands Stormwater Sub-Committee
Year 4	YES		Continue Compliance with Registration Requirements	Superintendent of Roads Inland Wetlands Stormwater Sub-Committee
Year 5	YES		Continue Compliance with Registration Requirements	Superintendent of Roads Inland Wetlands Stormwater Sub-Committee
Year 6	YES		Continue Compliance with Registration Requirements	Superintendent of Roads Inland Wetlands Stormwater Sub-Committee
Year 7	YES		Continue Compliance with Registration Requirements	Superintendent of Roads Inland Wetlands Stormwater Sub-Committee

4.3 REQUIREMENTS FOR CONSTRUCTION SITE OPERATORS TO IMPLEMENT APPROPRIATE EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES

Table 4.3 Requirements for Construction Site Operators to Implement Appropriate Erosion and Sediment Control Best Management Practices in accordance with the Connecticut Guidelines for Soil Erosion and Sediment Control BMP Measurable Goals, Implementation Dates & Status

Target Date	Status / Completed - Date		Measurable Goal / Activity	Responsible Dept. or Person
	YES	NO (Reason)		
Year 1	YES – Regulations reviewed.		Review and revise current town regulations to be in accordance with the Connecticut Guidelines for Soil Erosion and Sediment Control	Superintendent of Roads Inland Wetlands Stormwater Sub-Committee
Year 2	YES (Partial) – Review of regulations completed. Revisions are required. To be completed in Year 3.		Continue Requirements for Construction Site Operators to Implement Appropriate Erosion and Sediment Control Best Management Practices	Superintendent of Roads Inland Wetlands Stormwater Sub-Committee
Year 3	YES		Continue Requirements for Construction Site Operators to Implement Appropriate Erosion and Sediment Control Best Management Practices	Superintendent of Roads Inland Wetlands Stormwater Sub-Committee
Year 4	YES		Continue Requirements for Construction Site Operators to Implement Appropriate Erosion and Sediment Control Best Management Practices	Superintendent of Roads Inland Wetlands Stormwater Sub-Committee
Year 5	YES		Continue Requirements for Construction Site Operators to Implement Appropriate Erosion and Sediment Control Best Management Practices	Superintendent of Roads Inland Wetlands Stormwater Sub-Committee
Year 6	YES		Continue Requirements for Construction Site Operators to Implement Appropriate Erosion and Sediment Control Best Management Practices	Superintendent of Roads Inland Wetlands Stormwater Sub-Committee
Year 7	YES		Continue Requirements for Construction Site Operators to Implement Appropriate Erosion and Sediment Control Best Management Practices	Superintendent of Roads Inland Wetlands Stormwater Sub-Committee

4.4 REQUIREMENTS FOR CONSTRUCTION SITE OPERATORS TO CONTROL WASTE AT THE SITE

Table 4.4 Requirements for Construction Site Operators to Control Waste at the Site BMP, Measurable Goals, Implementation Dates & Status

Target Date	Status / Completed - Date		Measurable Goal / Activity	Responsible Dept. or Person
	YES	NO (Reason)		
Year 1	YES – Regulations reviewed.		Review and revise current town regulations to include Requirements for Construction Site Operators to Control Waste at the Site	Superintendent of Roads Inland Wetlands Stormwater Sub-Committee
Year 2	YES (Partial) – Review of regulations completed. Revisions are required. To be completed in Year 3.		Continue Requirements for Construction Site Operators to Control Waste at the Site	Superintendent of Roads Inland Wetlands Stormwater Sub-Committee
Year 3	YES		Continue Requirements for Construction Site Operators to Control Waste at the Site	Superintendent of Roads Inland Wetlands Stormwater Sub-Committee
Year 4	YES		Continue Requirements for Construction Site Operators to Control Waste at the Site	Superintendent of Roads Inland Wetlands Stormwater Sub-Committee
Year 5	YES		Continue Requirements for Construction Site Operators to Control Waste at the Site	Superintendent of Roads Inland Wetlands Stormwater Sub-Committee
Year 6	YES		Continue Requirements for Construction Site Operators to Control Waste at the Site	Superintendent of Roads Inland Wetlands Stormwater Sub-Committee
Year 7	YES		Continue Requirements for Construction Site Operators to Control Waste at the Site	Superintendent of Roads Inland Wetlands Stormwater Sub-Committee

4.5 PROCEDURES FOR SITE PLAN REVIEW

Table 4.5 Procedures for Site Plan Review BMP Measurable Goals, Implementation Dates & Status

Target Date	Status / Completed - Date		Measurable Goal / Activity	Responsible Dept. or Person
	YES	NO (Reason)		
Year 1	YES		Continue Site Plan Review Procedures	Superintendent of Roads
Year 2	YES		Continue Site Plan Review Procedures	Superintendent of Roads
Year 3	YES		Continue Site Plan Review Procedures	Superintendent of Roads

Year 4	YES	Continue Site Plan Review Procedures	Superintendent of Roads
Year 5	YES	Continue Site Plan Review Procedures	Superintendent of Roads
Year 6	YES	Continue Site Plan Review Procedures	Superintendent of Roads
Year 7	YES	Continue Site Plan Review Procedures	Superintendent of Roads

4.6 PROCEDURES FOR RECEIPT AND CONSIDERATION OF INFORMATION SUBMITTED BY THE PUBLIC

Table 4.6 Procedures for Receipt and Consideration of Information Submitted by the Public BMP

Measurable Goals, Implementation Dates & Status

Target Date	Status / Completed - Date		Measurable Goal / Activity	Responsible Dept. or Person
	YES	NO (Reason)		
Year 1	YES		Continue Procedures for Receipt and Consideration of Information Submitted by the Public	Superintendent of Roads
Year 2	YES		Continue Procedures for Receipt and Consideration of Information Submitted by the Public	Superintendent of Roads
Year 3	YES		Continue Procedures for Receipt and Consideration of Information Submitted by the Public	Superintendent of Roads
Year 4	YES		Continue Procedures for Receipt and Consideration of Information Submitted by the Public	Superintendent of Roads
Year 5	YES		Continue Procedures for Receipt and Consideration of Information Submitted by the Public	Superintendent of Roads
Year 6	YES		Continue Procedures for Receipt and Consideration of Information Submitted by the Public	Superintendent of Roads
Year 7	YES		Continue Procedures for Receipt and Consideration of Information Submitted by the Public	Superintendent of Roads

4.7 PROCEDURES FOR SITE INSPECTION AND ENFORCEMENT OF CONTROL MEASURES

Table 4.7 Procedures for Site Inspection and Enforcement of Control Measures BMP Measurable Goals, Implementation Dates & Status

Target Date	Status / Completed - Date		Measurable Goal / Activity	Responsible Dept. or Person
	YES	NO (Reason)		
Year 1	YES		Continue Site Inspection and Enforcement of Control Measures	Superintendent of Roads
Year 2	YES		Continue Site Inspection and Enforcement of Control Measures	Superintendent of Roads
Year 3	YES		Continue Site Inspection and Enforcement of Control Measures	Superintendent of Roads
Year 4	YES		Continue Site Inspection and Enforcement of Control Measures	Superintendent of Roads
Year 5	YES		Continue Site Inspection and Enforcement of Control Measures	Superintendent of Roads
Year 6	YES		Continue Site Inspection and Enforcement of Control Measures	Superintendent of Roads
Year 7	YES		Continue Site Inspection and Enforcement of Control Measures	Superintendent of Roads

SECTION 5 – POST CONSTRUCTION STORMWATER MANAGEMENT

The following BMP’s were selected by the town to address the Post Construction Stormwater Management minimum control measure of the General Permit:

- Requirements for Structural and Non-Structural BMP’s
- Procedures for Addressing Post Construction Runoff from Construction and Reconstruction Projects
- Ensuring Long Term Operation and Maintenance of Best Management Practices

Based upon the progress made during the first six reporting years and feedback from town employees and the public, it appears that these BMP’s are appropriate. The following tables detail the progress made during the reporting period towards achieving the implementation dates and measurable goals for this minimum control measure.

5.1 REQUIREMENTS FOR STRUCTURAL AND NON STRUCTURAL

Table 5.1 Requirements for Structural and Non Structural BMP’s Measurable Goals and Implementation Dates

Target Date	Status / Completed - Date		Measurable Goal / Activity	Responsible Dept. or Person
	YES	NO (Reason)		
Year 1	YES – Regulations reviewed.		Review and modify current town regulations to be in accordance with guidelines and procedures for Structural and Non Structural BMP’s listed in the SWMP.	Superintendent of Roads
Year 2	YES (Partial) Review of regulations completed. Revisions are required. To be completed in Year 3.		Implementation of BMP’s including projects with greater than or equal to 1 acre in disturbance area	Superintendent of Roads
Year 3	YES		Implementation of BMP’s including projects with greater than or equal to 1 acre in disturbance area	Superintendent of Roads
Year 4	YES		Continue implementation of BMP’s including projects with greater than or equal to 1 acre in disturbance area	Superintendent of Roads
Year 5	YES		Continue implementation of BMP’s including projects with greater than or equal to 1 acre in disturbance area	Superintendent of Roads
Year 6	YES		Continue implementation of BMP’s including projects with greater than or equal to 1 acre in disturbance area	Superintendent of Roads
Year 7	YES		Continue implementation of BMP’s including projects with greater than or equal to 1 acre in disturbance area	Superintendent of Roads

5.2 PROCEDURES FOR ADDRESSING POST CONSTRUCTION

Table 5.2 Procedures for Addressing Post Construction BMP's Measurable Goals and Implementation Dates

Target Date	Status / Completed - Date		Measurable Goal / Activity	Responsible Dept. or Person
	YES	NO (Reason)		
Year 1	YES		Continue procedures for addressing post construction BMP's including projects with greater than or equal to 1 acre in disturbance area	Superintendent of Roads
Year 2	YES		Continue procedures for addressing post construction BMP's including projects with greater than or equal to 1 acre in disturbance area	Superintendent of Roads
Year 3	YES		Continue procedures for addressing post construction BMP's including projects with greater than or equal to 1 acre in disturbance area	Superintendent of Roads
Year 4	YES		Continue procedures for addressing post construction BMP's including projects with greater than or equal to 1 acre in disturbance area	Superintendent of Roads
Year 5	YES		Continue procedures for addressing post construction BMP's including projects with greater than or equal to 1 acre in disturbance area	Superintendent of Roads
Year 6	YES		Continue procedures for addressing post construction BMP's including projects with greater than or equal to 1 acre in disturbance area	Superintendent of Roads
Year 7	YES		Continue procedures for addressing post construction BMP's including projects with greater than or equal to 1 acre in disturbance area	Superintendent of Roads

5.3 ENSURING LONG TERM OPERATION AND MAINTENANCE OF BEST MANAGEMENT PRACTICES

Table 5.3 Ensuring Long Term Operation and Maintenance of Best Management Practices Measurable Goals and Implementation Dates

Target Date	Status / Completed - Date		Measurable Goal / Activity	Responsible Dept. or Person
	YES	NO (Reason)		
Year 1	YES		Continue operation and maintenance of BMP's	Superintendent of Roads
Year 2	YES		Continue operation and maintenance of BMP's	Superintendent of Roads
Year 3	YES		Continue operation and maintenance of BMP's	Superintendent of Roads
Year 4	YES		Continue operation and maintenance of BMP's	Superintendent of Roads
Year 5	YES		Continue operation and maintenance of BMP's	Superintendent of Roads
Year 6	YES		Continue operation and maintenance of BMP's	Superintendent of Roads
Year 7	YES		Continue operation and maintenance of BMP's	Superintendent of Roads

SECTION 6 – POLLUTION PREVENTION / GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS

The following BMP’s were selected by the town to address the Pollution Prevention / Good Housekeeping for Municipal Operations minimum control measure of the General Permit:

- Operation and Maintenance Program
- Employee Training Program
- Street Sweeping Program
- Catch Basin Maintenance Program
- Preventative Maintenance Program

Based upon the progress made during the first six reporting years and feedback from town employees and the public, it appears that these BMP’s are appropriate. The following tables detail the progress made during the reporting period towards achieving the implantation dates and measurable goals for this minimum control measure.

6.1 OPERATION AND MAINTENANCE PROGRAM

Table 6.1 Operation and Maintenance Program BMP Measurable Goals, Implementation Dates & Status

Target Date	Status / Completed - Date		Measurable Goal / Activity	Responsible Dept. or Person
	YES	NO (Reason)		
Year 1	YES – O & M procedures reviewed. Revised procedures to meet the requirements of the G.P.		Review current Operation and Maintenance procedures and revise to meet the requirements of the General Permit.	Superintendent of Roads
Year 2	YES		Implement Operation and Maintenance requirements. Switched to soy-based degreaser versus diesel fuel.	Superintendent of Roads
Year 3	YES		Continue Operation and Maintenance requirements. Alternative sand/salt applications to reduce sediment put down.	Superintendent of Roads
Year 4	YES		Continue Operation and Maintenance requirements. Switched to all salt-based product.	Superintendent of Roads
Year 5	YES		Continue Operation and Maintenance requirements.	Superintendent of Roads
Year 6	YES		Continue Operation and Maintenance requirements.	Superintendent of Roads
Year 7	YES		Continue Operation and Maintenance requirements.	Superintendent of Roads

In year 4, the highway department switched to an all salt-based product to minimize the amount of sediment displaced. The Town has noticed a significant reduction in the amount of sediment found on local roads since the switch to an all salt-based product.

6.2 EMPLOYEE TRAINING PROGRAM

**Table 6.2 Employee Training Program BMP
Measurable Goals, Implementation Dates & Status**

Target Date	Status / Completed - Date		Measurable Goal / Activity	Responsible Dept. or Person
	YES	NO (Reason)		
Year 1	YES – Tailgate Meetings revised to include G.P. requirement discussion		Modify Existing Employee Training “Tailgate Meetings” to incorporate the requirements of the General Permit	Superintendent of Roads
Year 2	YES – Tailgate Meetings held on a regular basis.		Implement Employee Training requirements	Superintendent of Roads
Year 3	YES – Tailgate Meetings held on a regular basis.		Continue Employee Training requirements	Superintendent of Roads
Year 4	YES – Tailgate Meetings held on a regular basis.		Continue Employee Training requirements	Superintendent of Roads
Year 5	YES – Tailgate Meetings held on a regular basis		Continue Employee Training requirements	Superintendent of Roads
Year 6	YES – Tailgate Meetings held on a regular basis		Continue Employee Training requirements	Superintendent of Roads
Year 7	YES – Tailgate Meetings held as time allows		Continue Employee Training requirements	Superintendent of Roads

6.3 STREET SWEEPING PROGRAM

**Table 6.3 Street Sweeping Program BMP
Measurable Goals, Implementation Dates & Status**

Target Date	Status / Completed - Date		Measurable Goal / Activity	Responsible Dept. or Person
	YES	NO (Reason)		
Year 1	YES – Year 1.		Implemented Street Sweeping requirements - Priority Streets swept multiple times as per SWMP. 1,124.4 tons of material collected in Year 1.	Superintendent of Roads
Year 2	YES – Year 2		Street sweeping program continued – Priority Streets swept multiple times as per SWMP. 666.9 tons of material collected in Year 2.	Superintendent of Roads
Year 3	YES – Year 3		Street sweeping program continued – Priority Streets swept multiple times as per SWMP. 575 tons of material collected in Year 2.	Superintendent of Roads
Year 4	YES – Year 4		Street sweeping program continued – Minimal material collected as a result of change in sand/salt mixture to all salt.	Superintendent of Roads
Year 5	YES – Year 5		Street sweeping program continued – Sweep each street a minimum of 1 time.	Superintendent of Roads
Year 6	YES – Year 6		Continue Street Sweeping requirements – Sweep each street a minimum of 1 time. Jackson Street, River Street and Prospect Street swept twice.	Superintendent of Roads
Year 7	YES – Year 7		Continue Street Sweeping requirements – Sweep each street a minimum of 1 time.	Superintendent of Roads

In years 4, 5 6, and 7, as a result of an all salt-based product, there was no longer the need to perform multiple sweepings of priority areas. The amount of material on the roads has been so minimal that the volume of material collected has not been tracked. All roads within the town will continue to be swept a minimum of 1 time per year.

6.4 CATCH BASIN MAINTENANCE PROGRAM

**Table 6.4 Catch Basin Maintenance Program BMP
Measurable Goals, Implementation Dates & Status**

Target Date	Status / Completed - Date		Measurable Goal / Activity	Responsible Dept. or Person
	YES	NO (Reason)		
Year 1	NO – Limited catch basin clean out.		Implemented Catch Basin Maintenance requirements	Superintendent of Roads
Year 2	YES – New Vac. Truck obtained in October 2005. 37 Catch Basin’s cleaned.		Continued Catch Basin Maintenance requirements	Superintendent of Roads
Year 3	YES – 470 Catch Basin’s cleaned.		Continued Catch Basin Maintenance requirements	Superintendent of Roads
Year 4	YES – 40 Catch Basin’s Cleaned		Continued Catch Basin Maintenance requirements – Less catch basins cleaned as a result of switch to an all salt-based product	Superintendent of Roads
Year 5	YES – 50 Catch Basin’s Cleaned		Continue Catch Basin Maintenance requirements	Superintendent of Roads
Year 6	YES – 50 Catch Basin’s Cleaned		Continue Catch Basin Maintenance requirements	Superintendent of Roads
Year 7	YES – 25 Catch Basin’s Cleaned		Continue Catch Basin Maintenance requirements	Superintendent of Roads

In years 4, 5 6, and 7, as a result of an all salt-based product, the amount of sediment in catch basins has been significantly reduced. This has also resulted in a reduced number of catch basins that need to be cleaned out, similarly to street sweeping.

6.5 PREVENTATIVE MAINTENANCE PROGRAM

**Table 6.5 Preventative Maintenance Program BMP
Measurable Goals, Implementation Dates & Status**

Target Date	Status / Completed - Date		Measurable Goal / Activity	Responsible Dept. or Person
	YES	NO (Reason)		
Year 1	YES		Implemented Preventative Maintenance requirements	Superintendent of Roads
Year 2	YES		Continued Preventative Maintenance requirements	Superintendent of Roads
Year 3	YES		Continued Preventative Maintenance requirements	Superintendent of Roads
Year 4	YES		Continued Preventative Maintenance requirements	Superintendent of Roads
Year 5	YES		Continue Preventative Maintenance requirements	Superintendent of Roads

Pollution Prevention / Good Housekeeping For Municipal Operations

Year 6	YES	Continue Preventative Maintenance requirements	Superintendent of Roads
Year 7	YES	Continue Preventative Maintenance requirements	Superintendent of Roads

SECTION 7 – SUMMARY OF STORMWATER ACTIVITIES FOR YEAR 8 (part of the 2-year permit extension)

The original General Permit for the Discharge of Stormwater from Small Municipal Separate Storm Sewer Systems was issued on January 9, 2004 with a 5-year term. CTDEP, has extended the MS4 General Permit terms an additional two (2) years with no modifications. The new permit expiration date would be January 9, 2012. As a result of the extension, the following is a summary of BMP's and stormwater activities that are anticipated for completion during Year 8 of the General Permit for each of the minimum control measures. These control measures will continue to include TMDL program requirements.

7.1 PUBLIC EDUCATION AND OUTREACH

It is anticipated the following activities will be completed:

- Town web site will continue to be updated with additional information.
- Educational materials will continue to be made available in the First Selectmen's Office and Land Use Office.
- Tributary signage to be installed at 2 locations.

7.2 PUBLIC INVOLVEMENT / PARTICIPATION

It is anticipated the following activities will be completed:

- Annual Report and educational materials have been made available to the public via the town website which will maintain to be updated.
- Additional Storm Drain Markers will be installed and existing stencils will be maintained/repared as required.

7.3 ILLICIT DISCHARGE DETECTION AND ELIMINATION

It is anticipated the following activities will be completed:

- Continue training regarding illegal discharges and improper disposal of wastes.
- Maintain/Modify stormsewer outfall GIS Map and Database
- Continue monitoring stormwater discharges

7.4 CONSTRUCTION SITE STORMWATER RUNOFF CONTROL

It is anticipated the following activities will be completed:

- Continue Requirements and Guidelines for Erosion and Sediment Controls on all Projects
- Continue Compliance with Registration Requirements
- Continue Requirements for Construction Site Operators to Implement Appropriate Erosion and Sediment Control Best Management Practices
- Continue Requirements for Construction Site Operators to Control Waste at the Site
- Continue site plan review procedures.
- Continue procedures for receipt of information submitted by the public.
- Continue site inspection and enforcement of control measures.

7.5 POST CONSTRUCTION STORMWATER MANAGEMENT

It is anticipated the following activities will be completed:

- Implementation of BMP's including projects with greater than or equal to 1 acre in disturbance area.
- Continue procedures for addressing Post Construction BMP's.
- Continue operation and maintenance of Post Construction BMP's.

7.6 POLLUTION PREVENTION / GOOD HOUSEKEEPING

It is anticipated the following activities will be completed:

- Continue O & M requirements as per General Permit.
- Continue Employee Training. Tailgate Meetings to be held with a section on General Permit Requirements and Stormwater Pollution Prevention.
- Continue Street-Sweeping Requirements. Sweep all areas 1-time per year.
- Continue to Utilize vacuum truck to perform catch basin clean out. Clean priority areas multiple times.
- Continue preventative maintenance and inspection.

SECTION 8 - CERTIFICATION AND SIGNATURE

8.1 CERTIFICATION REQUIREMENTS

This plan and any document, including but not limited to any notice, information or report, which is submitted to the commissioner of the CTDEP under the general permit for the Discharge of Stormwater from Small Municipal Separate Storm Sewer Systems shall be signed by the chief elected official or principal executive officer, and by the individual or individuals responsible for preparing such document as defined in Section 22a-430-3(b) (2) of the Regulations of Connecticut State Agencies.

8.2 PLAN CERTIFICATION AND SIGNATURE

“I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that a false statement made in this document or its attachments may be punishable as a criminal offense, in accordance with Section 22a-6 of the Connecticut General Statutes, pursuant to Section 53a-157b of the Connecticut General Statutes, and in accordance with any other applicable statute.”

Preparer's Signature

Edmond V. Mone
First Selectmen
Town of Thomaston, Connecticut

Signature and Date

Preparer's Signature

Paul Pronovost
Superintendent of Roads
Town of Thomaston, Connecticut

Signature and Date

Preparer's Signature

Derek A. Kohl, P.E.
Director of Engineering
BL Companies

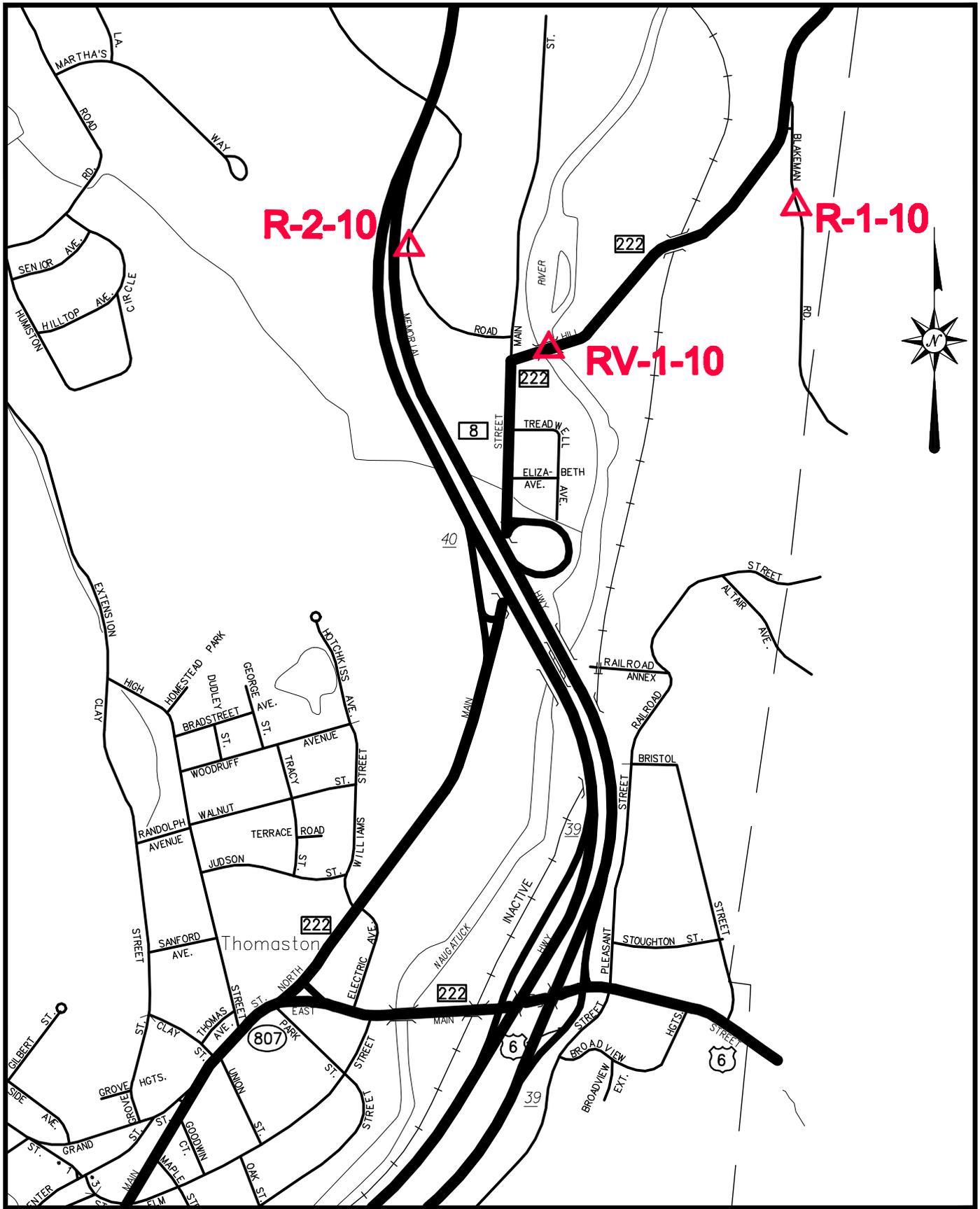
Signature and Date

Preparer's Signature

Aimee B. Uluski
Project Engineer
BL Companies

Signature and Date

**APPENDIX A -
YEAR 7 MONITORING DATA**

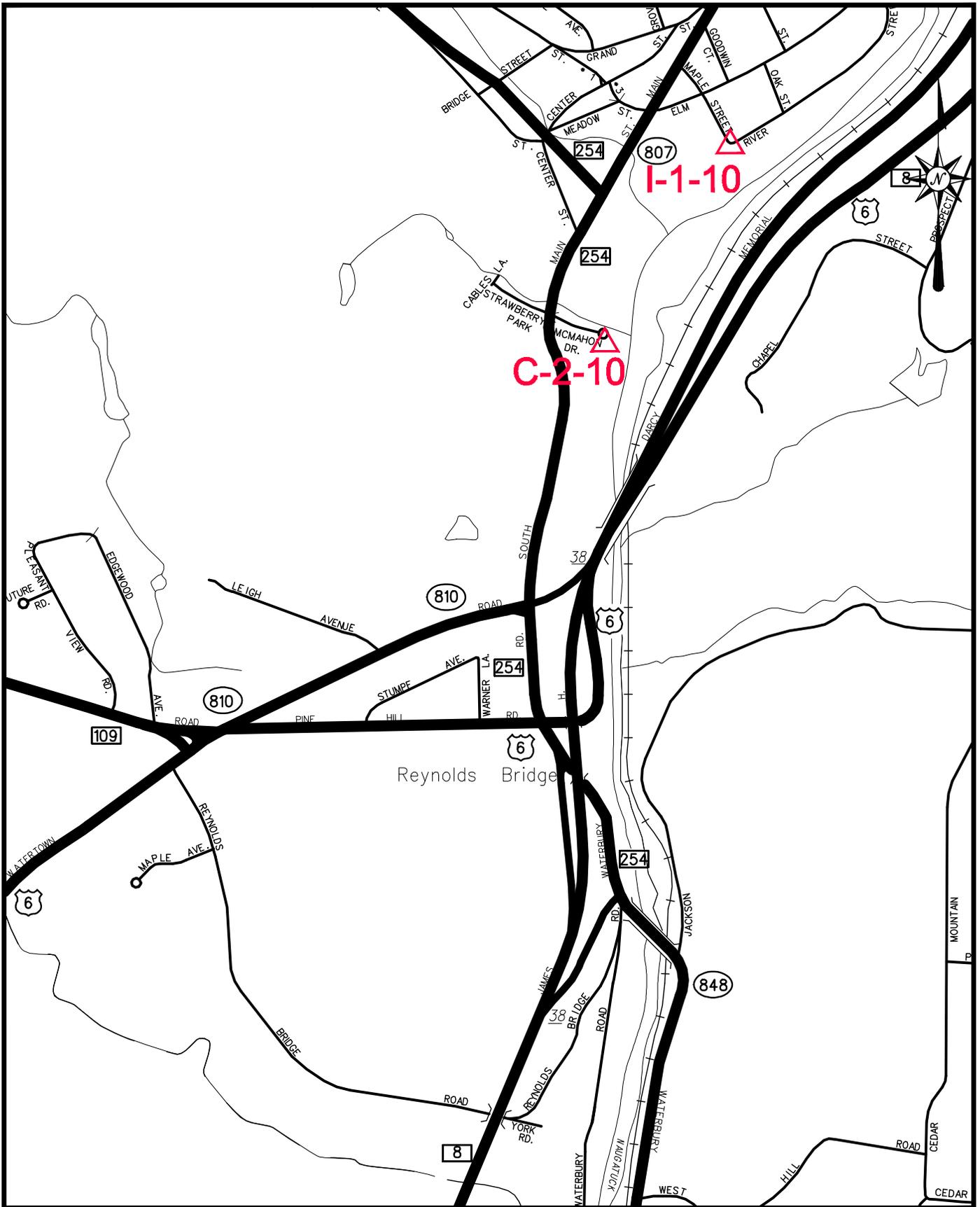


OUTFALL LOCATION PLAN

2010 MS4 GP STORMWATER SAMPLING
TOWN OF THOMASTON, CONNECTICUT

Designed
Drawn
Checked
Approved
Scale
Project No.
Date
CAD File

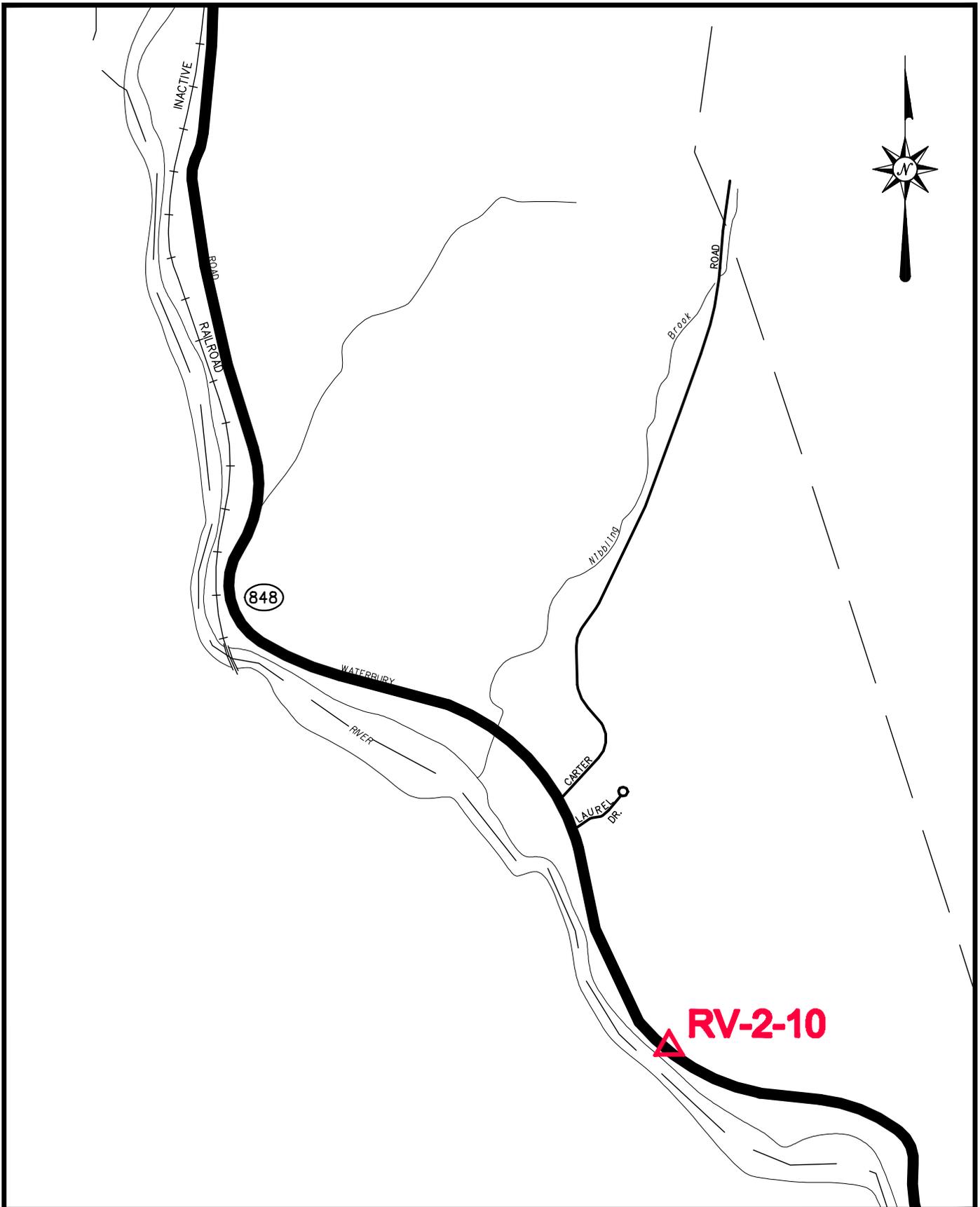
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12/31/10
TLOC10C365801



OUTFALL LOCATION PLAN

2010 MS4 GP STORMWATER SAMPLING
TOWN OF THOMASTON, CONNECTICUT

Designed
Drawn A.B.U.
Checked
Approved
Scale 1"=1000'
Project No. 10C3658
Date 12/31/10
CAD File TLOC10C365801



OUTFALL LOCATION PLAN

2010 MS4 GP STORMWATER SAMPLING
TOWN OF THOMASTON, CONNECTICUT

Designed
Drawn A.B.U.
Checked
Approved
Scale 1"=1000'
Project No. 10C3658
Date 12/31/10
CAD File TLOC10C365801



General Permit for the Discharge of Stormwater from Small Municipal Separate Storm Sewer Systems

Stormwater Monitoring Report Form

PERMITTEE INFORMATION

Town: <u>Thomaston, Connecticut</u>			
Mailing Address: <u>158 Main Street</u>			
Contact Person: <u>Paul Pronovost</u>	Title: <u>Hwy. Superint.</u>	Phone: <u>(860) 283-4030</u>	
Permit Registration # <u>GSM</u> <u>000039</u>			

SAMPLING INFORMATION

Discharge Location (Lat/Long or other description): <u>Sample ID - R-1-10 (Blakeman Road)</u>	
<u>Northing-312362, Easting-515532 (CT Grid System - Feet)</u>	
Please circle the appropriate area description: Industrial, Commercial, or Residential <input checked="" type="checkbox"/>	
Receiving Water (name, basin): <u>Naugatuck River (6900)</u>	
Time of Start of Discharge: <u>Continuous Flow</u>	
Date/Time Collected: <u>12/1/2010, 2:35 AM</u>	Water Temperature: <u>6.944° C</u>
Person Collecting Sample: <u>Bill Zimmerman (BL Companies)</u>	
Storm Magnitude (inches): <u>2.93" (Accuweather)</u>	Storm Duration (hours): <u>27 hrs</u>
Date of Previous Storm Event: <u>11/26/2010</u>	

MONITORING RESULTS

Parameter	Method	Results (units)	Laboratory
Sample pH	SM 4500H+B	5.7 (pH Units)	Connecticut Testing Lab, Meriden, CT
Rain pH	Extech pH meter	6.58 (pH Units)	By Sample Collector
Hardness	EPA 130.2	8 (mg/l)	Connecticut Testing Lab, Meriden, CT
Conductivity	SM2510B	30 (umhos/cm)	Connecticut Testing Lab, Meriden, CT
Oil & Grease	EPA 1664 Rev. A	ND (mg/l)	Connecticut Testing Lab, Meriden, CT
COD	EPA 410.1	ND (mg/l)	Connecticut Testing Lab, Meriden, CT
Turbidity	EPA 180.1	0.9 (NTU)	Connecticut Testing Lab, Meriden, CT
TSS	SM2540D	ND (mg/l)	Connecticut Testing Lab, Meriden, CT
TP	EPA 365.3	0.02 (mg/l)	Connecticut Testing Lab, Meriden, CT
Ammonia	EPA 350.1	0.05 (mg/l)	Connecticut Testing Lab, Meriden, CT
TKN	EPA 351.1	0.99 (mg/l)	Connecticut Testing Lab, Meriden, CT
NO ₃ +NO ₂	SM 4500-NO3F	ND (mg/l)	Connecticut Testing Lab, Meriden, CT
E. coli	SM9222B/G	400 (E.coli/100ml)	Connecticut Testing Lab, Meriden, CT

STATEMENT OF ACKNOWLEDGMENT

I certify that the data reported on this document were prepared under my direction or supervision in accordance with the MS4 General Permit. The information submitted is, to the best of my knowledge and belief, true, accurate and complete.	
Authorized Official: _____	
Signature: _____	Date: _____



General Permit for the Discharge of Stormwater from Small Municipal Separate Storm Sewer Systems

Stormwater Monitoring Report Form

PERMITTEE INFORMATION

Town: <u>Thomaston, Connecticut</u>			
Mailing Address: <u>158 Main Street</u>			
Contact Person: <u>Paul Pronovost</u>	Title: <u>Hwy. Superint.</u>	Phone: <u>(860) 283-4030</u>	
Permit Registration # <u>GSM 000039</u>			

SAMPLING INFORMATION

Discharge Location (Lat/Long or other description): <u>Sample ID - R-2-10 (Fenn Road)</u>	
<u>Northing-312055, Easting-512636 (CT Grid System - Feet)</u>	
Please circle the appropriate area description: Industrial, Commercial, or Residential <input checked="" type="checkbox"/>	
Receiving Water (name, basin): <u>Naugatuck River (6900)</u>	
Time of Start of Discharge: <u>Continuous Flow</u>	
Date/Time Collected: <u>12/1/2010, 4:05 AM</u>	Water Temperature: <u>8.333° C</u>
Person Collecting Sample: <u>Bill Zimmerman (BL Companies)</u>	
Storm Magnitude (inches): <u>2.93" (Accuweather)</u>	Storm Duration (hours): <u>27 hrs</u>
Date of Previous Storm Event: <u>11/26/2010</u>	

MONITORING RESULTS

Parameter	Method	Results (units)	Laboratory
Sample pH	SM 4500H+B	6.1 (pH Units)	Connecticut Testing Lab, Meriden, CT
Rain pH	Extech pH meter	6.47 (pH Units)	By Sample Collector
Hardness	EPA 130.2	39 (mg/l)	Connecticut Testing Lab, Meriden, CT
Conductivity	SM2510B	218 (umhos/cm)	Connecticut Testing Lab, Meriden, CT
Oil & Grease	EPA 1664 Rev. A	ND (mg/l)	Connecticut Testing Lab, Meriden, CT
COD	EPA 410.1	ND (mg/l)	Connecticut Testing Lab, Meriden, CT
Turbidity	EPA 180.1	3.8 (NTU)	Connecticut Testing Lab, Meriden, CT
TSS	SM2540D	38 (mg/l)	Connecticut Testing Lab, Meriden, CT
TP	EPA 365.3	0.03 (mg/l)	Connecticut Testing Lab, Meriden, CT
Ammonia	EPA 350.1	0.06 (mg/l)	Connecticut Testing Lab, Meriden, CT
TKN	EPA 351.1	0.37 (mg/l)	Connecticut Testing Lab, Meriden, CT
NO ₃ +NO ₂	SM 4500-NO3F	2.2 (mg/l)	Connecticut Testing Lab, Meriden, CT
E. coli	SM9222B/G	ND (E.coli/100ml)	Connecticut Testing Lab, Meriden, CT

STATEMENT OF ACKNOWLEDGMENT

I certify that the data reported on this document were prepared under my direction or supervision in accordance with the MS4 General Permit. The information submitted is, to the best of my knowledge and belief, true, accurate and complete.	
Authorized Official: _____	
Signature: _____	Date: _____



General Permit for the Discharge of Stormwater from Small Municipal Separate Storm Sewer Systems

Stormwater Monitoring Report Form

PERMITTEE INFORMATION

Town: <u>Thomaston, Connecticut</u>			
Mailing Address: <u>158 Main Street</u>			
Contact Person: <u>Paul Pronovost</u>	Title: <u>Hwy. Superint.</u>	Phone: <u>(860) 283-4030</u>	
Permit Registration # <u>GSM</u> <u>000039</u>			

SAMPLING INFORMATION

Discharge Location (Lat/Long or other description): <u>Sample ID - RV-1-10 (Naugatuck River at Hill Rd. Bridge) Northing-311292, Easting-513683 (CT Grid System - Feet)</u>	
Please circle the appropriate area description: <u>Industrial, Commercial, or Residential</u>	
Receiving Water (name, basin): <u>Naugatuck River (6900)</u>	
Time of Start of Discharge: <u>Continuous Flow</u>	
Date/Time Collected: <u>12/1/2010, 3:10 AM</u>	Water Temperature: <u>7.222° C</u>
Person Collecting Sample: <u>Bill Zimmerman (BL Companies)</u>	
Storm Magnitude (inches): <u>2.93" (Accuweather)</u>	Storm Duration (hours): <u>27 hrs</u>
Date of Previous Storm Event: <u>11/26/2010</u>	

MONITORING RESULTS

Parameter	Method	Results (units)	Laboratory
Sample pH	SM 4500H+B	7.0 (pH Units)	Connecticut Testing Lab, Meriden, CT
Rain pH	Extech pH meter	7.38 (pH Units)	By Sample Collector
Hardness	EPA 130.2	37 (mg/l)	Connecticut Testing Lab, Meriden, CT
Conductivity	SM2510B	162 (umhos/cm)	Connecticut Testing Lab, Meriden, CT
Oil & Grease	EPA 1664 Rev. A	ND (mg/l)	Connecticut Testing Lab, Meriden, CT
COD	EPA 410.1	ND (mg/l)	Connecticut Testing Lab, Meriden, CT
Turbidity	EPA 180.1	0.9 (NTU)	Connecticut Testing Lab, Meriden, CT
TSS	SM2540D	3 (mg/l)	Connecticut Testing Lab, Meriden, CT
TP	EPA 365.3	0.03 (mg/l)	Connecticut Testing Lab, Meriden, CT
Ammonia	EPA 350.1	0.07 (mg/l)	Connecticut Testing Lab, Meriden, CT
TKN	EPA 351.1	0.36 (mg/l)	Connecticut Testing Lab, Meriden, CT
NO ₃ +NO ₂	SM 4500-NO3F	0.6 (mg/l)	Connecticut Testing Lab, Meriden, CT
E. coli	SM9222B/G	ND (E.coli/100ml)	Connecticut Testing Lab, Meriden, CT

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General Permit for the Discharge of Stormwater from Small Municipal Separate Storm Sewer Systems

Stormwater Monitoring Report Form

PERMITTEE INFORMATION

Town: <u>Thomaston, Connecticut</u>			
Mailing Address: <u>158 Main Street</u>			
Contact Person: <u>Paul Pronovost</u>	Title: <u>Hwy. Superint.</u>	Phone: <u>(860) 283-4030</u>	
Permit Registration # <u>GSM 000039</u>			

SAMPLING INFORMATION

Discharge Location (Lat/Long or other description): <u>Sample ID - RV-2-10 (Naugatuck River at Waterbury Road) Northing-287715, Easting-513688 (CT Grid System - Feet)</u>	
Please circle the appropriate area description: <u>Industrial, Commercial, or Residential</u>	
Receiving Water (name, basin): <u>Naugatuck River (6900)</u>	
Time of Start of Discharge: <u>Continuous Flow</u>	
Date/Time Collected: <u>12/1/2010, 6:30 AM</u>	Water Temperature: <u>6.778° C</u>
Person Collecting Sample: <u>Bill Zimmerman (BL Companies)</u>	
Storm Magnitude (inches): <u>2.93" (Accuweather)</u>	Storm Duration (hours): <u>27 hrs</u>
Date of Previous Storm Event: <u>11/26/2010</u>	

MONITORING RESULTS

Parameter	Method	Results (units)	Laboratory
Sample pH	SM 4500H+B	7.0 (pH Units)	Connecticut Testing Lab, Meriden, CT
Rain pH	Extech pH meter	7.37 (pH Units)	By Sample Collector
Hardness	EPA 130.2	37 (mg/l)	Connecticut Testing Lab, Meriden, CT
Conductivity	SM2510B	185 (umhos/cm)	Connecticut Testing Lab, Meriden, CT
Oil & Grease	EPA 1664 Rev. A	ND (mg/l)	Connecticut Testing Lab, Meriden, CT
COD	EPA 410.1	ND (mg/l)	Connecticut Testing Lab, Meriden, CT
Turbidity	EPA 180.1	2.1 (NTU)	Connecticut Testing Lab, Meriden, CT
TSS	SM2540D	8 (mg/l)	Connecticut Testing Lab, Meriden, CT
TP	EPA 365.3	0.10 (mg/l)	Connecticut Testing Lab, Meriden, CT
Ammonia	EPA 350.1	ND (mg/l)	Connecticut Testing Lab, Meriden, CT
TKN	EPA 351.1	0.69 (mg/l)	Connecticut Testing Lab, Meriden, CT
NO ₃ +NO ₂	SM 4500-NO3F	0.7 (mg/l)	Connecticut Testing Lab, Meriden, CT
E. coli	SM9222B/G	100 (E.coli/100ml)	Connecticut Testing Lab, Meriden, CT

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Signature: _____	Date: _____



General Permit for the Discharge of Stormwater from Small Municipal Separate Storm Sewer Systems

Stormwater Monitoring Report Form

PERMITTEE INFORMATION

Town: Thomaston, Connecticut

Mailing Address: 158 Main Street

Contact Person: Paul Pronovost Title: Hwy. Superint. Phone: (860) 283-4030

Permit Registration #GSM 000039

SAMPLING INFORMATION

Discharge Location (Lat/Long or other description): Sample ID - I-1-10 (Maple Street at River Street)
Northing-304629, Easting-511122 (CT Grid System - Feet)

Please circle the appropriate area description: Industrial, Commercial, or Residential

Receiving Water (name, basin): Naugatuck River (6900)

Time of Start of Discharge: Continuous Flow

Date/Time Collected: 12/1/2010, 5:10 AM Water Temperature: 9.611° C

Person Collecting Sample: Bill Zimmerman (BL Companies)

Storm Magnitude (inches): 2.93" (Accuweather) Storm Duration (hours): 27 hrs

Date of Previous Storm Event: 11/26/2010

MONITORING RESULTS

Parameter	Method	Results (units)	Laboratory
Sample pH	SM 4500H+B	7.0 (pH Units)	Connecticut Testing Lab, Meriden, CT
Rain pH	Extech pH meter	7.21 (pH Units)	By Sample Collector
Hardness	EPA 130.2	43 (mg/l)	Connecticut Testing Lab, Meriden, CT
Conductivity	SM2510B	220 (umhos/cm)	Connecticut Testing Lab, Meriden, CT
Oil & Grease	EPA 1664 Rev. A	ND (mg/l)	Connecticut Testing Lab, Meriden, CT
COD	EPA 410.1	ND (mg/l)	Connecticut Testing Lab, Meriden, CT
Turbidity	EPA 180.1	2.9 (NTU)	Connecticut Testing Lab, Meriden, CT
TSS	SM2540D	3 (mg/l)	Connecticut Testing Lab, Meriden, CT
TP	EPA 365.3	0.04 (mg/l)	Connecticut Testing Lab, Meriden, CT
Ammonia	EPA 350.1	ND (mg/l)	Connecticut Testing Lab, Meriden, CT
TKN	EPA 351.1	0.32 (mg/l)	Connecticut Testing Lab, Meriden, CT
NO ₃ +NO ₂	SM 4500-NO3F	1.1 (mg/l)	Connecticut Testing Lab, Meriden, CT
E. coli	SM9222B/G	800 (E.coli/100ml)	Connecticut Testing Lab, Meriden, CT

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Authorized Official: _____

Signature: _____ Date: _____



General Permit for the Discharge of Stormwater from Small Municipal Separate Storm Sewer Systems

Stormwater Monitoring Report Form

PERMITTEE INFORMATION

Town: <u>Thomaston, Connecticut</u>			
Mailing Address: <u>158 Main Street</u>			
Contact Person: <u>Paul Pronovost</u>	Title: <u>Hwy. Superint.</u>	Phone: <u>(860) 283-4030</u>	
Permit Registration # <u>GSM</u> <u>000039</u>			

SAMPLING INFORMATION

Discharge Location (Lat/Long or other description): <u>Sample ID - C-1-10 (End of McMahon Drive)</u>	
<u>Northing-303145, Easting-510185 (CT Grid System - Feet)</u>	
Please circle the appropriate area description: Industrial, Commercial , or Residential	
Receiving Water (name, basin): <u>Naugatuck River (6900)</u>	
Time of Start of Discharge: <u>Approx. 1:00 AM</u>	
Date/Time Collected: <u>12/1/2010, 5:55 AM</u>	Water Temperature: <u>10.5° C</u>
Person Collecting Sample: <u>Bill Zimmerman (BL Companies)</u>	
Storm Magnitude (inches): <u>2.93" (Accuweather)</u>	Storm Duration (hours): <u>27 hrs</u>
Date of Previous Storm Event: <u>11/26/2010</u>	

MONITORING RESULTS

Parameter	Method	Results (units)	Laboratory
Sample pH	SM 4500H+B	6.6 (pH Units)	Connecticut Testing Lab, Meriden, CT
Rain pH	Extech pH meter	7.28 (pH Units)	By Sample Collector
Hardness	EPA 130.2	5 (mg/l)	Connecticut Testing Lab, Meriden, CT
Conductivity	SM2510B	30 (umhos/cm)	Connecticut Testing Lab, Meriden, CT
Oil & Grease	EPA 1664 Rev. A	ND (mg/l)	Connecticut Testing Lab, Meriden, CT
COD	EPA 410.1	ND (mg/l)	Connecticut Testing Lab, Meriden, CT
Turbidity	EPA 180.1	4.7 (NTU)	Connecticut Testing Lab, Meriden, CT
TSS	SM2540D	2 (mg/l)	Connecticut Testing Lab, Meriden, CT
TP	EPA 365.3	0.03 (mg/l)	Connecticut Testing Lab, Meriden, CT
Ammonia	EPA 350.1	ND (mg/l)	Connecticut Testing Lab, Meriden, CT
TKN	EPA 351.1	0.29 (mg/l)	Connecticut Testing Lab, Meriden, CT
NO ₃ +NO ₂	SM 4500-NO3F	0.3 (mg/l)	Connecticut Testing Lab, Meriden, CT
E. coli	SM9222B/G	200 (E.coli/100ml)	Connecticut Testing Lab, Meriden, CT

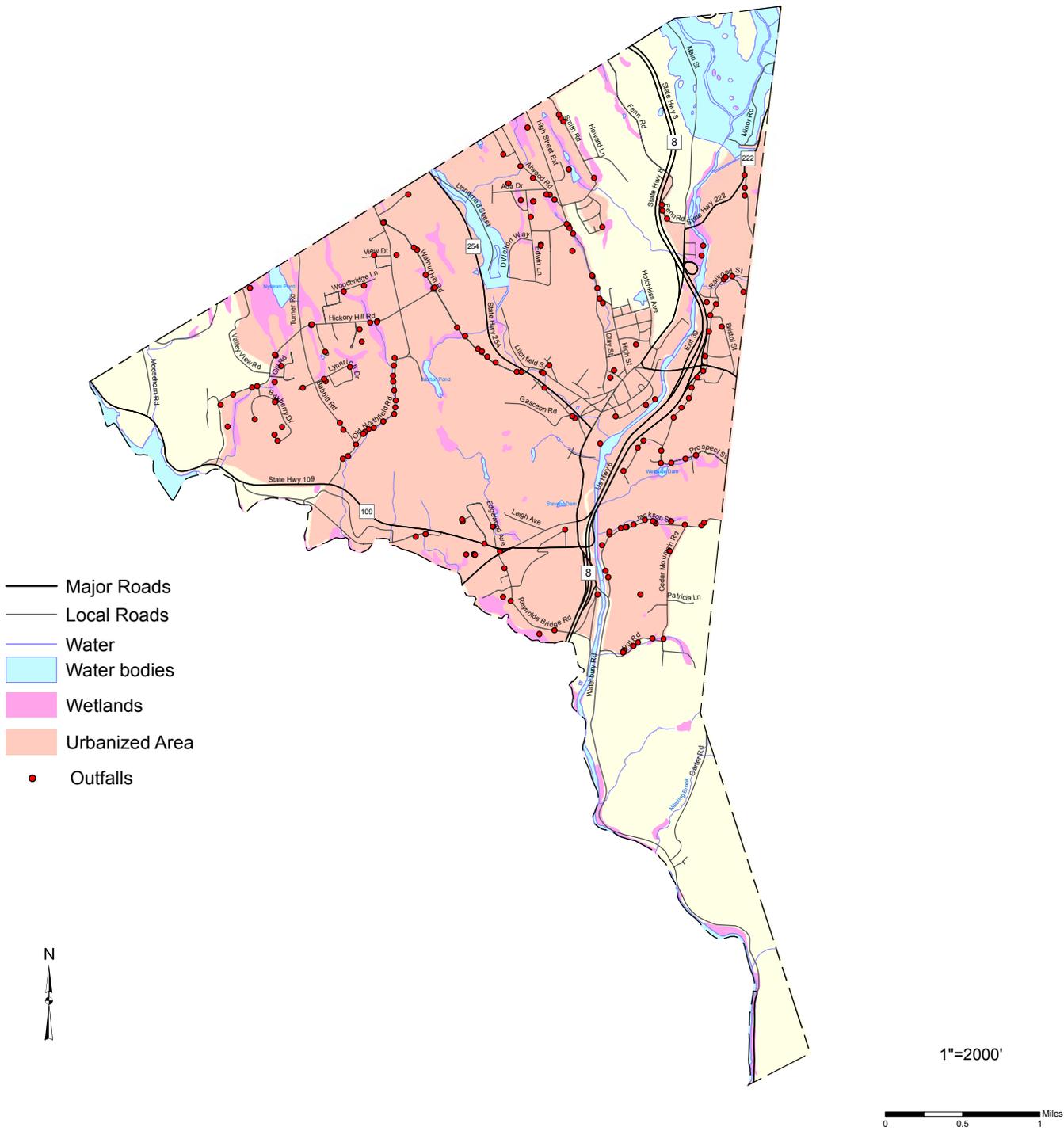
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Authorized Official: _____	
Signature: _____	Date: _____

**APPENDIX B -
STORMSEWER SYSTEM MAP**

Thomaston

Urbanized Areas and Storm Water Outfalls



Source: "Roads", GDT
 "Town Boundary", "Hydrography", "Wetlands", DEP
 "Urbanized Area Boundary", U. S. Census Bureau
 "Outfalls", Collected by Town

For general planning purposes only. Delineations may not be exact.
 March 2006