



TOWN OF WESTPORT, CONNECTICUT

STORMWATER MANAGEMENT PLAN

July 2017

Contents

INTRODUCTION / OVERVIEW.....	3
SMP Structure.....	3
Plan Development Process.....	4
Annual Reporting.....	4
Record Keeping.....	4
Description of Municipality.....	4
(1) Public Education and Outreach.....	5
1.1 Develop/Acquire Education Materials (B)(C).....	5
1.2 Web based MS4 library (A).....	5
1.3 Printed MS4 educational materials (A).....	6
1.4 Targeted Outreach (A).....	6
1.5 Partner organizations (A).....	6
1.6 Reporting (A).....	6
(2) Public Involvement / Participation.....	7
2.1 Public notice (A).....	7
2.2 Public comment reporting (A).....	7
(3) Illicit Discharge Detection and Elimination.....	8
3.1 Develop IDDE program (A).....	8
3.2 IDDE program legal authority (B).....	8
3.3 IDDE program implementation (C) (H).....	9
3.4 Citizen reporting program (D).....	9
3.5 Ongoing screening and tracking (E).....	9
3.6 Track illicit abatement activities (F).....	9
3.7 Stormwater discharge list and map (G).....	10
3.8 Detailed system map (G).....	10
(4) Construction Site Stormwater Runoff Control.....	12
4.1 Legal authority for construction site stormwater control (A).....	12
4.2 Interdepartmental coordination (B).....	13
4.3 Construction site reviews and inspections (C)(D).....	13
4.4 Incorporate public involvement into development activities (E).....	13
4.5 Notify developers of permit requirements (F).....	13
(5) Post-construction Stormwater Management in New Development or Redevelopment.....	15
5.1 Legal authority for post-construction stormwater management (A)(B).....	15
5.2 Reduce regulatory barriers for implementing LID (A).....	16
5.3 Runoff Reduction/Low Impact Development (“LID”) Measures (B).....	16
5.4 Directly Connected Impervious Area (DCIA) mapping (C).....	17
5.5 Detention/retention pond long term maintenance plan (D).....	17
5.6 Stormwater treatment structures long term maintenance plan (D).....	17
(6) POLLUTION PREVENTION / GOOD HOUSEKEEPING.....	18
6.1 Employee training program (A).....	18
6.2 Infrastructure Repair, Rehabilitation and Retrofit (B).....	18
6.3 Directly Connected Impervious Area (DCIA) disconnection tracking (B).....	18
6.4 DCIA Retrofit Planning (B).....	19
6.5 MS4 Property and Operations Maintenance (C).....	19
6.6 Street, Parking & MS4 Maintenance (D).....	21
6.7 Snow Management Practices (E).....	22
6.8 Interconnected MS4s (F).....	23
6.9 Sources contributing pollutants to the MS4 (G).....	23
6.10 Additional Measures for discharges to impaired waters (H).....	23
Water Quality Monitoring.....	26

INTRODUCTION / OVERVIEW

This Stormwater Management Plan (SMP) was developed by the Town of Westport in partnership with Western Connecticut Council of Governments (WestCOG) for the purpose of implementing and enforcing a stormwater management program to reduce the discharge of pollutants from the town's storm sewer system to the maximum extent practicable (MEP), to protect water quality, and to satisfy the appropriate requirements of the Federal Clean Water Act and the CT Department of Energy and Environmental Protection's (DEEP's) MS4 General Permit¹.

The measures identified in this SMP will be applied throughout the boundaries of the Town of Westport except as otherwise noted and consistent with the MS4 General Permit requirements.

Individual facilities such as maintenance garages, salt sheds and other miscellaneous facilities are covered under general permits (industrial) with the Connecticut Department of Environmental Protection (CTDEP).

This plan has been approved by the First Selectman and provided to all Town of Westport MS4 officials and employees responsible for implementation of the Plan.

This plan will be updated whenever:

- 1) There is a change with the potential to cause pollution to the waters of the state;
- 2) The actions detailed herein fail to prevent pollutions of state waters or fail to comply with requirements of the permit;
- 3) The Commissioner of the DEEP requests modification.

A copy of the Plan review certification will be included with this Plan when provided.

SMP Structure

The plan outlines a program of best management practices (BMPs), the responsible party to implement the BMP, the schedule of implementation, and measurable goals for the following six minimum control measures.

- (1) Public education and outreach on stormwater impacts
- (2) Public involvement / participation
- (3) Illicit discharge detection and elimination
- (4) Construction site stormwater runoff control
- (5) Post-construction stormwater management in new development and redevelopment
- (6) Pollution prevention/good housekeeping for municipal operations

A section following the 6 minimum control measures covers additional requirements established under the MS4 permit.

The appendices include the additional plans and programs which are referenced in this document.

¹ CT DEEP's MS4 Permit is effective July 1, 2017 and expires June 30, 2022. More information on the MS4 General permit can be found here: http://www.ct.gov/deep/cwp/view.asp?a=2721&q=558562&deepNav_GID=1654

Plan Development Process

The development of the SMP was performed by the Town of Westport. This plan utilizes a Template generated by WestCOG and UConn CLEAR. The Town of Westport has adapted the template to include municipal specific details. The adapted SMP was then sent to DEEP for approval.

As part of the development of the SMP, a working committee was established with the Director of Public Works, Town Engineer, Conservation Department and the Planning & Zoning Department.

Annual Reporting

By April 1, 2019 and annually thereafter by April 1, the Town of Westport will submit an Annual Report, in pdf format, summarizing activities undertaken to implement this plan for the preceding calendar year electronically to the Department. The Annual Reports will also be made available to the public in compliance with the public involvement section of this plan.

Record Keeping

The Town of Westport shall keep records required by the MS4 General Permit for at least 5 years following its expiration or longer if requested by the Commissioner in writing. Such records, including the Stormwater Management Plan, shall be available to the public at reasonable times during regular business hours.

Description of Municipality

The Town of Westport covers an area 22.4 square miles, located in Western Connecticut as shown in figure 1.

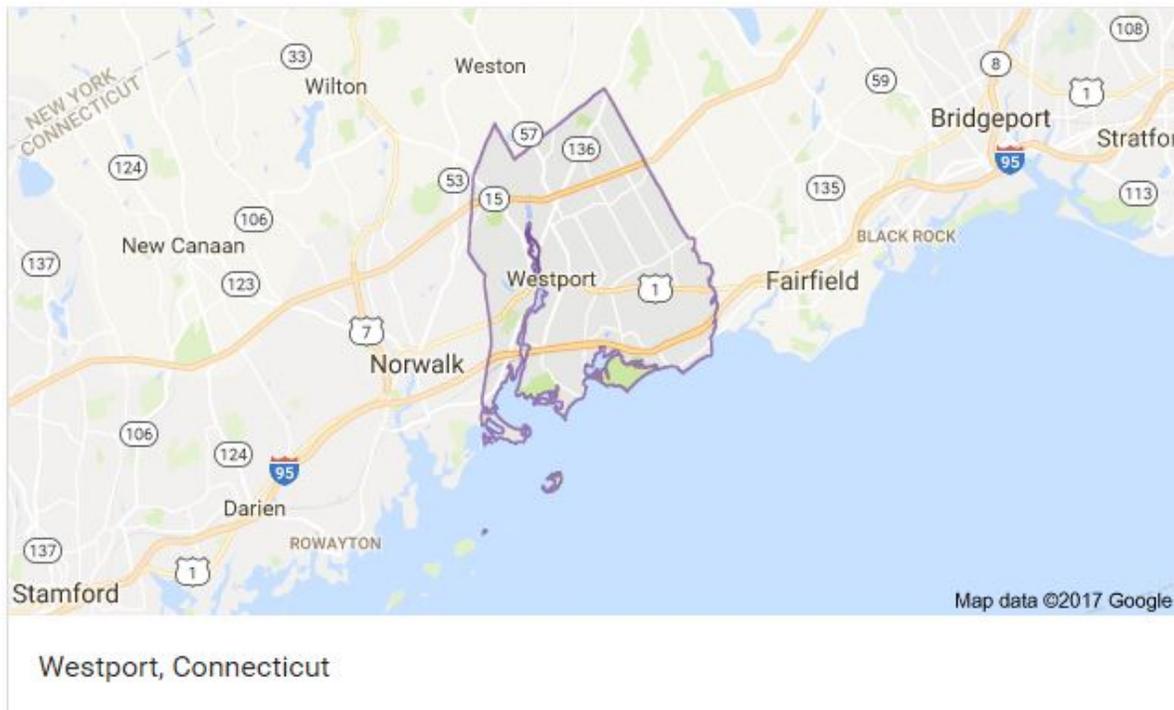


FIGURE 1

(1) Public Education and Outreach

Goals:

- *To raise awareness that polluted stormwater runoff is the most significant source of water quality problems;*
- *To motivate residents to use Best Management Practices (BMPs) which reduce polluted stormwater runoff; and*
- *To reduce polluted stormwater runoff as a result of increased awareness and utilization of BMPs.*

Actions:

- (A) Implement Public Education Program
- (B) Develop/acquire educational materials
- (C) Incorporate Phosphorous, Nitrogen and Bacteria into the document as needed.

The following Best Management Practices (BMPs) will be implemented to address the minimum control measure for Public Education and Outreach. The following BMPs and implementation schedule serve as the Town of Westport's MS4 Public Education Program.

1.1 Develop/Acquire Education Materials (B), (C)

The Town of Westport, with support from WestCOG, will acquire and/or develop associated stormwater education materials generated by partner organizations. Materials will be reviewed annually and updated as needed. The educational materials will address phosphorus, nitrogen, bacteria, and mercury impairments and how they might relate to the following practices.

- sources of stormwater
- impact of stormwater on water bodies
- steps residents can take to reduce pollutants in stormwater runoff
- septic systems
- fertilizer use
- grass clippings & leaves management
- detergent use
- sediment discharge
- sanitary cross connection
- waterfowl
- pet waste
- manure piles

1.2 Web based MS4 library (A)

The Town of Westport with support from WestCOG will generate a web based library of educational resources for the public in regards to stormwater. Materials on the website will be tailored to the various pollutants found within the regions MS4 and also provide municipal specific education materials where applicable. The Town of Westport website <http://www.westportct.gov/index.aspx?page=1073> will link directly to this web based library and promote the availability of these materials.

1.3 Printed MS4 educational materials (A)

The Town of Westport will provide materials in a printed format to be on display in the office of the Department of Public Works and Conservation Department within the Westport Town Hall.

1.4 Targeted Outreach (A)

The Town of Westport will identify locations where their MS4 discharges into impaired waters and provide educational outreach specific to the sources of that impairment. Targeted outreach efforts may include K-12 students, agricultural areas, commercial businesses, developers, homeowners, etc.

1.5 Partner organizations (A)

WestCOG will identify all the existing organizations which currently, or potentially, provide stormwater education and outreach within the Town of Westport. As part of this activity WestCOG will generate a database of partners and their associated information, which can help inform annual reporting. Contacts will be updated on an ongoing process and will be reviewed annually.

1.6 Reporting (A)

The Town of Westport will summarize the types, sources, number and method by which materials are disseminated each year in its annual report.

Table 1 Outreach/Education Schedule

	BMP	Responsible Person
2017	Web Based Library of MS4 educational materials	Carrie Makover, WESTCOG
	Foster partnerships with existing organizations	Stephen Edwards, Peter Ratkiewich
	Provide printed materials for municipal buildings	Stephen Edwards
	Targeted outreach	Alicia Mozian
	Develop/acquire education materials	Deborah Barbieri
2018	Update Website	Carrie Makover, WESTCOG
	Review Partnerships	Stephen Edwards, Peter Ratkiewich
	Targeted outreach	Alicia Mozian
	Review Education Materials	Deborah Barbieri
2019	Update Website	Carrie Makover, WESTCOG
	Review Partnerships	Stephen Edwards, Peter Ratkiewich
	Targeted outreach	Alicia Mozian
	Review Education Materials	Deborah Barbieri
2020	Update Website	Carrie Makover, WESTCOG
	Review Partnerships	Stephen Edwards, Peter Ratkiewich
	Targeted outreach	Alicia Mozian
	Review Education Materials	Deborah Barbieri
2021	Update Website	Carrie Makover, WESTCOG
	Review Partnerships	Stephen Edwards, Peter Ratkiewich
	Targeted outreach	Alicia Mozian
	Review Education Materials	Deborah Barbieri

(2)Public Involvement / Participation

Goal:

Involve the community in both the planning and implementation process of improving water quality.

Actions:

(A) Provide public notice for this plan and annual reports, minimum 30 days.

The following BMP's will be utilized in the implementation of the program to address the minimum control measure for Public Involvement and Participation.

2.1 Public notice (A)

The Town of Westport will publish a public notice on its website, <http://www.westportct.gov/>, seeking input on the new program and municipal registration. The notice will provide a contact name, phone number, address, and email to whom the public can send comments. Additionally, the Municipal Stormwater Plan (MSP) and Annual Report will be publicly accessible on the web, <http://www.westportct.gov/index.aspx?page=1073> and in the Westport Town Hall. The public notice shall allow for a 30-day comment period, at a minimum. The public notice will be made annually no later than January 31.

2.2 Public comment reporting (A)

The Department of Public Works will collect public comments through mail and email, the results of which will be summarized and reviewed. The MSP will be modified as necessary to incorporate the relevant comments.

Table 2

	BMP	Responsible Person
2017	Send out public notice for MSP public comment	Peter Ratkiewich
	Review public comments	Stephen Edwards, Peter Ratkiewich
2018	Send out public notice for annual report public comment	Peter Ratkiewich
	Review public comments	Stephen Edwards, Peter Ratkiewich
2019	Send out public notice for annual report public comment	Peter Ratkiewich
	Review public comments	Stephen Edwards, Peter Ratkiewich
2020	Send out public notice for annual report public comment	Peter Ratkiewich
	Review public comments	Stephen Edwards, Peter Ratkiewich
2021	Send out public notice for annual report public comment	Peter Ratkiewich
	Review public comments	Stephen Edwards, Peter Ratkiewich

(3) Illicit Discharge Detection and Elimination

Goal:

Find the source of any illicit discharges; eliminate those illicit discharges; and ensure ongoing screening and tracking to prevent and/or eliminate future illicit discharges.

Actions:

- (A) Develop IDDE Program in Priority Areas.
- (B) Establish legal authority necessary to prohibit, investigate and eliminate illicit discharges.
- (C) IDDE Program Implementation
- (D) Develop a citizen reporting program for suspected illicit discharges
- (E) Ensure ongoing screening and tracking of MS4 outfalls for illicit discharges.
- (F) Track illicit abatement activities.
- (G) Develop a list and map of all stormwater discharges.
- (H) Report failing septic systems for waters for which phosphorous, nitrogen, or bacteria is a pollutant of concern.

The following BMPs will be utilized in the implementation of the program to address the minimum control measure for Illicit Discharge Detection and Elimination. Initial activities will be concentrated in the Town of Westport's urbanized area and catchment areas with directly connected impervious area (DCIA) > 11% or outfalls that discharge to impaired waters.

3.1 Develop IDDE program (A)

A written program will be developed by July 1, 2018 to detect, locate and eliminate illicit discharges (to the maximum extent practicable) from the MS4 within the Town of Westport's Priority Areas (urbanized area, DCIA>11%, and where discharges to impaired waters occur). The program will provide adequate legal authority, assign program responsibilities, and develop a citizen reporting program. The program will outline and implement outfall screening and IDDE protocols consistent with Appendix B of the MS4 General Permit to identify, prioritize, and investigate MS4 catchments for suspected illicit discharge of pollutants. Also, the written program will outline follow-up screening and illicit discharge prevention procedures.

3.2 IDDE program legal authority (B)

By July 1, 2018 the Town of Westport will update the necessary and enforceable legal authority by statute, ordinance, rules and regulations, permit, easement, contract, order or any other means, to eliminate illicit discharges. The authority shall:

- a. *prohibit illicit discharges to its storm sewer system and require removal of such discharges consistent with the deadlines outlined in the MS4 general permit; and*
- b. *authorize the investigation of suspected illicit discharges and elimination of illicit discharge, including from properties not owned or controlled by the MS4 that discharge to the MS4*

- c. *control the discharge of spills and prohibit the dumping or disposal of materials including, but not limited to, residential, industrial and commercial wastes, trash, used motor vehicle fluids, pesticides, fertilizers, food preparation waste, leaf litter, grass clippings, and animal wastes into its MS4; and*
- d. *authorize appropriate enforcement procedures and actions;*
- e. *authorize fines or penalties and/or recoup costs incurred by the permittee from anyone creating an illicit discharge or spilling or dumping.*

3.3 IDDE program implementation (C) (H)

The Town of Westport will implement the IDDE program elements identified in IDDE protocol in Appendix B of the MS4 permit within the Urbanized Area and those catchment areas of the MS4 with either Directly Connected Impervious Area (DCIA) of greater than 11% (as identified on maps available at www.ct.gov/deep/municipalstormwater) or which discharge to impaired waters (“priority” areas). The Town of Westport will develop a prioritizing strategy to identify areas outside these identified areas to further implement these IDDE measures.

The Town of Westport will prioritize areas with the highest potential of discharging phosphorous, nitrogen, and bacteria. These areas “shall be identified based on assessment of the following criteria: historic on-site sanitary system failures, proximity to bacteria impaired waters, low infiltrative soils, and shallow groundwater” (DEEP 2016). Further information on the IDDE program can be found in Appendix B of the MS4 general permit.

3.4 Citizen reporting program (D)

The Town of Westport will establish a system to allow for citizen reporting of suspected illicit discharges into the stormwater system. The system will include an email address and/or phone number or other means for submitting a report. The Town of Westport will affirmatively investigate and eliminate any illicit discharges for which a time and location of discharge are provided. The Town of Westport will promptly inspect the reported outfall or manhole and proceed according to the requirements of the written IDDE program. All citizen reports and responses will be included in the Town of Westport’s annual report.

3.5 Ongoing screening and tracking (E)

The Town of Westport, upon completion of catchment investigation and illicit discharge removal and confirmation (if necessary) for the catchment outfall or interconnection, will schedule follow-up screening within five years, or sooner as determined by the catchment’s illicit discharge priority. Follow-up screening shall consist of dry weather screening and sampling except where wet weather screening and sampling is required as detailed in Appendix B of the MS4 general permit.

3.6 Track illicit abatement activities (F)

The Town of Westport will maintain a record of illicit discharge abatement activities including: location (identified with an address or latitude and longitude), description, dates of inspection, sampling data (if applicable), actions taken, date of removal or repair and responsible parties. This information shall be included in the permittee’s Annual Report.

3.7 Stormwater discharge list and map (G)

By June 30, 2019, The Town of Westport will complete a geodatabase of all stormwater discharges from a pipe or conduit located within and owned or operated by the municipality and all interconnections with other MS4s. Each entry will include the following:

- a. *Type, material, size, shape and location (identified with a latitude and longitude) of conveyance, outfall or channelized flow (e.g. 24" concrete pipe);*
- b. *the name, water body ID and Surface Water Quality Classification of the immediate surface waterbody or wetland to which the stormwater runoff discharges;*
- c. *if the outfall does not discharge directly to a named waterbody, the name and water body ID of the nearest named waterbody to which the outfall eventually discharges;*
- d. *the name of the watershed, including the subregional drainage basin number (available from CT ECO at www.cteco.uconn.edu) in which the discharge is located;*
- e. *date of most recent inspection of the outfall, the condition, and any indicators of potential non-stormwater discharges as of most recent inspection;*

The database will be exported into excel format for annual reports.

The Town of Westport will locate stormwater drainage sites not already accounted for. Annual updates will capture any additions to the stormwater infrastructure within the Town of Westport.

3.8 Detailed system map (G)

The Town of Westport will revise a detailed map of the MS4 by June 30, 2020.

The map will include:

- Parts of the MS4 within priority areas (parts of the MS4 that are within an urbanized area, catchment areas with directly connected impervious area (DCIA) > 11%, and outfalls that discharge to impaired waters);
- Outfalls & receiving waters;
- Pipes; Open channel conveyances; Catch basins; Man holes;
- Interconnections with other MS4s and other storm sewer systems;
- Stormwater treatment structures owned by the municipality (or institution) (e.g. detention & retention ponds, infiltration systems, bioretention areas, water quality swales, gross particle separators, oil/water separators, or other systems);
- Catchment delineations for each outfall;
- Impaired water bodies identified by name and use impairment as defined by the most recent integrated water quality report;
- Municipal sanitary sewer system.

The Town of Westport will update the map as new information becomes available and will report on the progress of the development of this map in the annual report.

Table 3

	BMP	Responsible Person
2017	Develop a written IDDE program	Stephen Edwards
	Review Existing legal authority	Gail Kelly
	Establish legal authority to eliminate illicit discharges	Gail Kelly
	Develop mapping platform and database	Damion Vassel
	Establish citizen reporting program	Peter Ratkiewich, D. Barbieri
	Track illicit abatement activities	Deborah Barbieri
	Inventory existing mapped infrastructure data	Damion Vassel
2018	Map remaining infrastructure	Damion Vassel
	Track illicit abatement activities	Deborah Barbieri
	Perform ongoing screening and tracking (if needed)	Earthplace/Contractor
2019	Perform ongoing screening and tracking (if needed)	Earthplace/Contractor
	Finalize MS4 web map	Damion Vassel
	Track illicit abatement activities	Deborah Barbieri
	Update mapping database	Damion Vassel
2020	Perform ongoing screening and tracking (if needed)	Earthplace/Contractor
	Track illicit abatement activities	Deborah Barbieri
	Update mapping database	Damion Vassel
2021	Perform ongoing screening and tracking (if needed)	Earthplace/Contractor
	Track illicit abatement activities	Deborah Barbieri
	Update mapping database	Damion Vassel

(4) Construction Site Stormwater Runoff Control

Goal:

to control stormwater discharges (to its MS4) associated with land disturbance or development (including re-development) activities from sites (as defined in the Department's General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities) with one acre or more of soil disturbance, whether considered individually or collectively as part of a larger common plan.

Actions:

- (A) Establish legal authority to implement construction site stormwater runoff control.
- (B) Develop and implement interdepartmental coordination plan.
- (C) Perform site reviews.
- (D) Perform site inspections.
- (E) Incorporate public involvement into development activities.
- (F) Notify developers of CT DEEP's construction general permit.

The following BMP's will be utilized to control stormwater discharges associated with land disturbance, development, or redevelopment of sites with 1 acre or more of soil disturbance.

4.1 Legal authority for construction site stormwater control (A)

By June 30, 2019 the Town of Westport will revise its land use regulations to establish the necessary and enforceable legal authority to control stormwater runoff on construction sites with soil disturbance of more than 1 acre, such that:

- a. *developers, construction site operators, or contractors maintain consistency with the 2002 Guidelines for Soil Erosion and Sedimentation Control, as amended, the Connecticut Stormwater Quality Manual, and all stormwater discharge permits issued by the DEEP within the municipal or institutional boundary pursuant to CGS 22a-430 and 22a-430b;*
- b. *the implementation of additional measures to protect/improve water quality (in addition to the above requirements) as deemed necessary by the Town of Westport;*
- c. *The Town of Westport is authorized to carry out all inspection, surveillance and monitoring procedures necessary to determine compliance with municipal regulations, ordinances or programs or institutional requirements related to the management of the Town of Westport's MS4. Inspections shall be conducted, where allowed, to inventory the number of privately-owned retention ponds, detention ponds and other stormwater basins that discharge to or receive drainage from the permittee's MS4;*
- d. *the owner of a site seeking development approval from the Town of Westport shall provide and comply with a long term maintenance plan and schedule to ensure the performance and pollutant removal efficiency of privately-owned retention ponds, detention ponds and other stormwater basins that discharge to or receive discharge from Westport's MS4 including*

short-term and long-term inspection and maintenance measures to be implemented by the private owner; and

- e. The Town of Westport will control, through inter-agency or inter-jurisdictional agreements, the contribution of pollutants between the permittee's MS4 and MS4s owned or operated by others.*

4.2 Interdepartmental coordination (B)

The Town of Westport will continue to involve the coordinated review and oversight of Westport's land use departments on all projects involving land disturbance.

The Town of Westport will institute pre-application, code enforcement meetings with land use staff from the Public Works, Conservation and Planning & Zoning Departments, to guide designers and developers to initiate incorporate LID and stormwater management in the pre-application process.

The Town of Westport will seek to bring awareness to lay boards and commissions on stormwater management practices to mitigate stormwater runoff and incorporate low impact development on large or sensitive projects that fall outside of normal regulatory boundaries.

4.3 Construction site reviews and inspections (C), (D)

The Town of Westport will conduct site plan reviews that incorporate consideration of stormwater controls or management practices to prevent or minimize impacts to water quality on all sites with soil disturbance of 1 acre or more. The Town of Westport will also conduct site inspection(s) and enforcement to assess the adequacy of the installation, maintenance, operation, and repair of construction and post construction control measures.

4.4 Incorporate public involvement into development activities (E)

The Town of Westport's procedure for public involvement in the consideration of proposed and ongoing development and land disturbance activities provides regular televised public hearings at which time public input is solicited and encouraged. Any major application proposing soil disturbance of 1 acre or more will receive multiple public hearings at which time the public will be encouraged to participate.

4.5 Notify developers of permit requirements. (F)

The Town of Westport will notify developers or contractors of their potential obligation to obtain authorization under DEEP's General Permit for the Discharge of Stormwater and Dewatering Wastewaters Associated with Construction Activities (construction general permit) if their project disturbs more than 1 acre of land and results in a point source discharge to Connecticut surface waters directly or through the Town of Westport's MS4. The Town of Westport will also require a copy of the Storm Water Pollution Control Plan be made available to the town on request.

The contractor is required at all times to conduct his operations in conformity with all Federal and State permit requirements concerning water, air, noise pollution and the disposal of contaminated, or hazardous materials.

Table 4 Construction site stormwater management implementation schedule

	BMP	Responsible Person
2017	Review existing language on construction site storm water management	Stephen Edwards
	Develop interdepartmental coordination plan	Stephen Edwards, Mary Young
	Implement interdepartmental coordination plan	Stephen Edwards, Mary Young
	Implement site review and inspections program	Nick Tsacoyannis, Amrik Matharu
	Implement public involvement component into development	Peter Ratkiewich, Mary Young
	Implement process to notify developers of MS4 permit requirements	Peter Ratkiewich, Mary Young
2018	Establish legal authority for construction site stormwater control	Gail Kelly, Mary Young
	Continue implementing previous practices	Peter Ratkiewich
2019	Continue implementing previous practices	Peter Ratkiewich
2020	Continue implementing previous practices	Peter Ratkiewich
2021	Continue implementing previous practices	Peter Ratkiewich

(5) Post-construction Stormwater Management in New Development or Redevelopment

Goal:

Incorporate and maintain LID in new development and redevelopment.

Actions:

- (A) Establish Legal Authority
- (B) Runoff Reduction/Low Impact Development (“LID”) Measures
- (C) Directly Connected Impervious Area (DCIA)
- (D) Long Term Maintenance
- (E) Additional measures for discharges to impaired waters (with or without a TMDL)

The following BMP’s will be utilized in the implementation of the program to address the minimum control measure for Post-construction Stormwater Management in New Development or Redevelopment.

5.1 Legal authority for post-construction stormwater management (A) (B)

By June 30, 2021, the Town of Westport will establish legal authority to minimize the impact of new development and redevelopment on the MS4 and water bodies by minimizing impervious surfaces, encouraging LID, preserving ecologically sensitive areas, protecting trees, other vegetation and native soils, and preventing thermal impacts to streams. The Town of Westport will require, to the maximum extent possible, *“that a developer or contractor seeking the permittee’s approval shall consider the use of low impact development (“LID”) and runoff reduction site planning and development practices prior to the consideration of other stormwater management practices allowed in the permittee’s land use regulations, guidance or construction project requirements.”*

Such legal authority will include the following standards:

- 1) for redevelopment of sites that are currently developed with Directly Connected Impervious Area (DCIA) of forty percent or more, the project must retain on-site half the water quality volume for the site, or
- 2) for new development and redevelopment of sites with less than forty percent DCIA, retain the water quality volume for the site, or
- 3) if either of those retention standards cannot be met, the developer will be required to provide a report indicating why the standard could not be met and a mitigation project on another property or pay a fee to fund a DCIA retrofit.

In developing this legal authority the Town of Westport will consider the following watershed protection elements as defined in the 2017 MS4 Permit:

- a. *Minimize the amount of impervious surfaces (roads, parking lots, roofs, etc.) by minimizing the creation, extension, and widening of parking lots, roads, and associated development and encourage the use of Low Impact Development or green infrastructure practices.*
- b. *Preserve, protect, create and restore ecologically sensitive areas that provide water quality benefits and serve critical watershed functions. These areas may include, but are not limited to; riparian corridors, headwaters, floodplains and wetlands.*
- c. *Implement stormwater management practices that prevent or reduce thermal impacts to streams, including requiring vegetated buffers along waterways, and disconnecting discharges to surface waters from impervious surfaces such as parking lots.*
- d. Maintain consistency with the Connecticut Stormwater Quality Manual in the design and installation of any stormwater management practices.
- e. Seek to avoid or prevent hydromodification of streams and other water bodies caused by development, including roads, highways, and bridges.
- f. Implement standards to protect trees, and other vegetation with important evapotranspirative qualities.
- g. Limitation of turf areas.
- h. Implement policies to protect native soils, prevent topsoil stripping, and prevent compaction of soils.
- i. Coordination with state or local health officials to ensure no interference with on-site septic systems.

5.2 Reduce regulatory barriers for implementing LID (A)

The Town of Westport will identify and, where appropriate, reduce or eliminate existing local regulatory barriers to implementing LID and runoff reduction practices to the MEP. Westport will work on the identification of local regulatory barriers. If the barriers are not removed by 2021, the Town of Westport will provide justification in the annual report along with a revised schedule for implementation.

5.3 Runoff Reduction/Low Impact Development (“LID”) Measures (B)

By June 30 2019, the Town of Westport will require the parties responsible for new development or redevelopment projects to comply with the retention of stormwater on site, consistent with the Connecticut Stormwater Quality Manual. If not consistent, a report must be provided detailing why that is not feasible.

Developers will also be required to consult with local health officials in areas with onsite septic to ensure any retention practices do not interfere with the functioning of those systems.

5.4 Directly Connected Impervious Area (DCIA) mapping (C)

By June 30, 2020, The Town of Westport will utilize a mapping methodology to calculate the Directly Connected Impervious Area (DCIA) that contributes stormwater runoff to each of its MS4 outfalls. Progress on this task will be documented in each annual report until completion.

5.5 Detention/retention pond long term maintenance plan (D)

By June 30, 2020, the Town of Westport will develop a maintenance plan which will address retention or detention ponds that it owns or over which it holds an easement or other authority in its priority areas to ensure their long-term effectiveness. This plan will include an annual inspection of those retention and detention ponds and removal of accumulated sediment in excess of 50% design capacity. For waters which **Nitrogen, Phosphorus** or **Bacteria** is a Stormwater Pollutant of Concern and erosion or sedimentation problems are found during the annual inspections, the Town of Westport will prioritize those areas for the DCIA retrofit program under minimum control measure 6 – Pollution Prevention/Good Housekeeping.

5.6 Stormwater treatment structures long term maintenance plan (D)

By June 30, 2020, the Town of Westport will develop a maintenance plan which will address stormwater treatment structures (swirl concentrators, oil/grit separators, water quality wetlands or swales, etc.) that it owns or over which it holds an easement or other authority in its priority areas to ensure their long-term effectiveness. This plan will include an annual inspection of all such structures/measures and removal of accumulated pollutants (such as sediment, oils, leaves, litter, etc.) to restore full solids capture design capacity where pollutants are found to be in excess of 50% design capacity. For waters which **Nitrogen, Phosphorus** or **Bacteria** is a Stormwater Pollutant of Concern and erosion or sedimentation problems are found during the annual inspections, the Town of Westport will prioritize those areas for the DCIA retrofit program under minimum control measure 6 – Pollution Prevention/Good Housekeeping.

Table 5 Post construction stormwater management implementation schedule

	BMP	Responsible Person
2017	Review existing legal authorities for post-construction storm water management	Peter Ratkiewich/Gail Kelly
	Develop DCIA Mapping Methodology	Damion Vassel
2018	Require developers to incorporate "LID" measures	Peter Ratkiewich/Mary Young
	Develop maintenance plan for detention/retention ponds	Peter Ratkiewich/Alicia Mozian Peter Ratkiewich/Deborah Barbieri
	Develop maintenance plan for stormwater treatment structures	Barbieri
	Provide an update on DCIA Mapping	Peter Ratkiewich/Damion Vassel
2019	Establish legal authority for post-construction stormwater management	Peter Ratkiewich/Gail Kelly
	Continue to update DCIA Mapping	Peter Ratkiewich/ Damion Vassel
2020	Complete DCIA Mapping	Peter Ratkiewich/ Damion Vassel
2021	Update DCIA Mapping	Peter Ratkiewich/ Damion Vassel

(6) POLLUTION PREVENTION /GOOD HOUSEKEEPING

Goal:

Prevent or reduce pollutant runoff and protect water quality from all Town of Westport owned or operated MS4s.

Actions:

- (A) Employee Training
- (B) Infrastructure Repair, Rehabilitation and Retrofit
- (C) MS4 Property and Operations Maintenance
- (D) Street, Parking & MS4 Maintenance
- (E) Snow Management Practices
- (F) Interconnected MS4s
- (G) Sources Contributing pollutants to the MS4
- (H) Additional Measures for discharges to impaired waters (with or without a TMDL)

The Town of Westport will implement an operations and maintenance program to prevent or reduce pollutant runoff from town facilities and protect water quality.

6.1 Employee training program (A)

The Town of Westport will continue its existing MS4 training program for town employees to increase awareness of water quality issues. These trainings will include:

- Standard operating procedures consistent with the MS4 general permit;
- General goals and objectives of this Stormwater Management Plan;
- Identification and reporting of illicit discharges and improper disposal; and
- Spill response protocols and responsibilities.

These trainings may include regional or statewide trainings coordinated by WestCOG, UConn CLEAR or others.

6.2 Infrastructure Repair, Rehabilitation and Retrofit (B)

The Town of Westport will continue to repair, rehabilitate, or upgrade its MS4 infrastructure in a timely manner to reduce or eliminate the discharge of pollutants into water bodies. This program will be responsive to new information on outfalls discharging pollutants, impaired waters, inspections, or observations made during outfall mapping under the IDDE section of this plan.

6.3 Directly Connected Impervious Area (DCIA) disconnection tracking (B)

The Town of Westport will annually track the total acreage of Directly Connected Impervious Area (DCIA) that is disconnected from the MS4 as a result of redevelopment or retrofit projects within the town. For each retrofit/redevelopment project, the Town of Westport will document the amount of existing DCIA that is disconnected. The total amount of disconnected DCIA will be reported each year in the Annual Report. Starting on July 1, 2021, the Town of Westport's goal will be to reduce 1% of its total

DCIA acreage per year to the maximum extent possible. The Town of Westport will provide updates on this goal in its annual report.

6.4 DCIA Retrofit Planning (B)

By June 30, 2020, the Town of Westport will develop a Retrofit Project Plan to identify and prioritize potential DCIA disconnection projects. The plan will identify and prioritize sites that may be suitable for a disconnection. Prioritization will be based on several factors, including whether the project lies within one of the MS4 priority areas (urbanized area, DCIA >40%, discharge to impaired waters). The Town of Westport will include in its annual report for the third year of the permit (2020-2021) its identification and prioritization process, a rationale for the selection of projects to be implemented, and the total acres of DCIA to be disconnected upon implementation. The implementation of projects in this plan will begin by June 30, 2022.

6.5 MS4 Property and Operations Maintenance (C)

Town of Westport -owned or -operated properties, parks, and other facilities that are owned, operated, or otherwise the legal responsibility of the Town of Westport will be maintained so as to minimize the discharge of pollutants to its MS4. Such maintenance will include, but not be limited to:

(i) Parks and open space

The Town of Westport will optimize the application of fertilizers by municipal employees, institutional staff, or private contractors on lands and easements for which it is responsible for maintenance.

Optimization practices considered may include:

- conducting soil testing and analysis to determine soil phosphorus levels,
- the reduction or elimination of fertilizers,
- reduction of fertilizer usage by adhering to the manufacturers' instructions,
- use of alternative fertilizer forms (i.e. products with reduced, slow-releasing, or insoluble nitrogen and phosphorus compositions),
- proper storage and application practices (i.e. avoid impervious surfaces),
- application schedule (i.e. appropriate season or month) and timing (i.e. coordinated with climatic conditions to minimize runoff potential);
- standard operating practices for the handling, storage, application, and disposal of pesticides and herbicides in compliance with applicable state and federal laws;
- evaluating reduced mowing frequencies and use of alternative landscaping materials like drought resistant and native plantings;
- establish procedures for management of trash containers at parks (scheduled cleanings; sufficient number).

The Town of Westport will establish practices for the proper disposal of grass clippings and leaves at Westport-owned lands. Clippings shall be composted or otherwise appropriately disposed. Clippings will not enter the MS4 system or waters of the state.

(ii) Pet waste management

The Town of Westport will identify locations where inappropriate pet waste management practices are immediately apparent and pose a threat to receiving water quality due to proximity and potential for direct conveyance of waste to its storm system and waters. In such areas, the Town of Westport will

implement targeted management efforts such as public education and enforcement (e.g. increased patrol for violators).

In Town of Westport-owned recreational areas where dog walking is allowed, the Town of Westport will install educational signage, pet waste baggies, and disposal receptacles (or require carry-out).

The Town of Westport will document its efforts in its annual reports. The Town of Westport should consider including information regarding the scope and extent of its education, compliance, and enforcement efforts (including the number of violations pursued and fines levied or other enforcement taken).

(iii) Waterfowl management

The Town of Westport will identify lands where waterfowl congregate and feeding by the public occurs.

To raise awareness regarding the water quality impacts, the Town of Westport will install signage or use other targeted techniques to educate the public about the detrimental impacts of feeding waterfowl (including the resulting feces deposition) and discourage such feeding practices.

The Town of Westport will also implement practices that discourage the undesirable congregation of waterfowl in these areas, or otherwise isolate the direct drainage from these areas away from its storm system and waters.

(iv) The Town of Westport Buildings and facilities (town offices, police and fire stations, pools, and other Westport-owned or operated buildings or utilities).

The Town of Westport will

- evaluate the use, storage, and disposal of both petroleum and non-petroleum products and ensure, through employee training, that those responsible for handling these products know proper procedures;
- ensure that Spill Prevention Plans are in place, if applicable, and coordinate with the fire department as necessary;
- develop management procedures for dumpsters and other waste management equipment;
- sweep parking lots and keep areas surrounding the facilities clean to minimize runoff of pollutants;
- ensure that all interior building floor drains are not connected to the MS4 and are appropriately permitted.

(v) Vehicles and Equipment

The Town of Westport will

- establish procedures for the storage of Westport-owned or -operated vehicles;
- require vehicles with fluid leaks to be stored indoors or in contained areas until repaired;
- evaluate fueling areas owned by the Town of Westport and used by Town of Westport owned or -operated vehicles and if possible, place fueling areas under cover in order to minimize exposure;
- establish procedures to ensure that vehicle wash waters are not discharged to the municipal storm sewer system or to surface waters;
- ensure any interior floor drains are appropriately permitted.

(vi) Leaf Management

The Town of Westport will establish and implement procedures to minimize or prevent the deposition of leaves in catch basins, streets, parking lots, driveways, sidewalks or other paved surfaces that discharge to the MS4. Such procedures shall also apply to leaves collected by the Town of Westport.

6.6 Street, Parking & MS4 Maintenance (D)

The Town of Westport will implement a program to provide for regular inspection and maintenance of Town of Westport owned or maintained streets, parking areas and other MS4 infrastructure.

(i) Sweeping

- a. The Town of Westport will establish and implement procedures for sweeping town-owned or maintained streets and parking lots. All streets and parking lots within the MS4 Priority Areas will be inspected, swept and/or cleaned (as necessary) at least once per year in the spring following the cessation of winter maintenance activities (i.e. sanding, deicing, etc.). The procedures shall also include more frequent inspections, cleaning and/or sweeping of targeted areas determined by the Town of Westport to have increased pollutant potential based on the presence of active construction activity or other potential pollutant sources. The Town of Westport will identify such potential pollutant sources based upon surface inspections, catch basin cleaning or inspection results, land use, winter road deicing and/or sand application, impaired or TMDL waters or other relevant factors as determined by the Town of Westport. If wet dust suppression is conducted, the use of water will be minimized such that a discharge of excess water to surface waters and/or the storm sewer system does not occur.

For streets and parking lots outside the MS4 Priority Areas, including any rural uncurbed streets and parking lots with no catch basins, the Town of Westport will either meet the minimum frequencies above, or develop and implement an inspection, documentation and targeted sweeping and/or cleaning plan for those areas by June 30, 2018 and submit such plan with its year one Annual Report. For new and redeveloped municipal parking lots, the Town of Westport will evaluate options for reducing stormwater runoff to surface waters and/or the storm sewer system by the installing pervious pavements and/or other measures to reduce sheet flow of stormwater.

- b. The Town of Westport will ensure the proper disposal of street sweepings in accordance with DEEP policies, guidance and regulations. Sweepings shall not be discharged back into the storm drain system and/or surface waters.
- c. The Town of Westport will document results of its sweeping program in its annual reports including: a summary of inspection results, curb miles swept, dates of cleaning, volume or mass of material collected, and method(s) of reuse or disposal. The Town of Westport will also include documentation of any alternate sweeping plan for rural uncurbed streets and any runoff reduction measures implemented.

(ii) Catch Basin Cleaning

The Town of Westport will conduct routine cleaning of all catch basins and track catch basin inspection observations. Utilizing information compiled through its inventory of catch basins, operational staff and public complaints, the Town of Westport will optimize routine cleaning frequencies for particular structures or catchment areas as follows to maintain acceptable sediment removal efficiencies:

- a. Inspect all Town of Westport-owned catch basins within MS4 Priority Areas at least once by June 30, 2020. Catch basins outside the MS4 Priority Areas shall be inspected by June 30, 2022.
- b. Prioritize inspection and maintenance for Town of Westport -owned catch basins located near impaired waters and construction activities (roadway construction, residential, commercial, or industrial development or redevelopment). The Town of Westport will clean catch basins in such areas more frequently if inspection and maintenance activities indicate excessive sediment or debris loadings.
- c. Establish a schedule such that the frequency of routine cleaning will ensure that no catch basin at any time will be more than fifty (50) percent full. A catch basin sump is more than 50 percent full if the contents within the sump exceed one half the distance between the bottom interior of the catch basin to the invert of the deepest outlet of the catch basin.
- d. If a catch basin sump is more than fifty (50) percent full during two consecutive routine inspections/cleaning events, the Town of Westport will document that finding, investigate the contributing drainage area for sources of excessive sediment loading, and to the maximum extent practicable, abate contributing sources. The Town of Westport will describe any actions taken in its Annual Report.
- e. The Town of Westport will detail its plan for optimizing catch basin cleaning, inspection plans, and its schedule for gathering information to develop the optimization plan in its first annual report. Documentation shall include metrics and other information used to reach the determination that the established plan for cleaning and maintenance is optimal for the MS4. The Town of Westport will keep a log of catch basins cleaned or inspected.
- f. The Town of Westport will report in each Annual Report the total number of catch basins, number inspected, number cleaned, the total volume or mass of material removed from all catch basins and, if practicable, the volume or mass of material removed from each catch basin draining to water quality limited waters.

6.7 Snow Management Practices (E)

(i) Deicing Material Management

The Town of Westport will develop and implement standard operating practices for the use, handling, storage, application, and disposal of deicing products such as salt and sand to minimize exposure to stormwater; consider means to minimize the use and optimize the application of chloride-based or other salts or deicing product (while maintaining public safety) and consider opportunities for use of alternative materials.

(ii) Snow and Ice Control Practices

The Town of Westport will implement and refine its standard operating practices regarding its snow and ice control to minimize the discharge of sand, anti-icing or de-icing chemicals and other pollutants (while maintaining public safety).

The Town of Westport will establish goals for the optimization of sand and/or chemical application rates through the use, where practicable, of automated application equipment (e.g. zero-velocity spreaders), anti-icing and pre-wetting techniques, implementation of pavement management systems, and alternate chemicals.

The Town of Westport will maintain records of the application of sand, anti-icing and/or de-icing chemicals to document the reduction of chemicals to meet established goals.

The Town of Westport will ensure the proper training for deicing applications for municipal employees, institutional staff, or private contractors on lands and easements for which it is responsible for maintenance.

The Town of Westport will manage and dispose of snow accumulations in accordance with DEEP's Best Management Practices for Disposal of Snow Accumulations from Roadways and Parking Lots, revised 2/4/11 and as amended (see link at: www.ct.gov/deep/stormwater).

In its Annual Report, the Town of Westport will document results of its snow removal program including, at a minimum: the type of staff training conducted on application methods and equipment, type(s) of deicing materials used; lane-miles treated; total amount of each deicing material used; type(s) of deicing equipment used; any changes in deicing practices (and the reasons for the change); and snow disposal methods.

6.8 Interconnected MS4s (F)

The Town of Westport will coordinate with operators of interconnected MS4s (such as neighboring municipalities, institutions and DOT) regarding the contribution of potential pollutants from the storm sewer systems, contributing land use areas and stormwater control measures in the respective MS4s. This same coordination shall be conducted regarding operation and maintenance procedures utilized in the respective systems.

6.9 Sources contributing pollutants to the MS4 (G)

The Town of Westport will develop and implement a program to control the contribution of pollutants to its MS4 from commercial, industrial, municipal, institutional or other facilities, not otherwise authorized by permit issued pursuant to Sections 22a-430 or 22a-430b of the Connecticut General Statutes

6.10 Additional Measures for discharges to impaired waters (H)

(i) For waters for which **Nitrogen** or **Phosphorus** is a Stormwater Pollutant of Concern:

On The Town of Westport -owned or maintained lands, the Town of Westport will implement a turf management practices and procedures policy which includes, but is not limited to, procedures for proper fertilizer application and the planting of native plant materials to lessen the amount of turf area requiring mowing and the application of chemicals. Each Annual Report will discuss the actions taken to implement this policy with an estimate of fertilizer and turf reduction.

(ii) For waters for which **Bacteria** is a Stormwater Pollutant of Concern:

On The Town of Westport -owned or maintained lands with a high potential to contribute bacteria (such as dog parks, parks with open water, sites with failing septic systems), The Town of Westport will develop, fund, implement, and prioritize a program to correct the problem(s) within a specific timeframe. Each Annual Report will identify problem areas for which a retrofit or source management program were developed, the location of the closest outfall monitored in accordance with Section 6(i), the cost of such retrofit or program, and the anticipated pollutant reduction. On Town of Westport - owned or maintained lands prohibit the feeding of geese or waterfowl and implement a program to manage geese and waterfowl populations. Each Annual Report will discuss the actions taken to implement this program.

Table 6 Pollutions prevention/ good housekeeping BMP implementation schedule

	BMP	Responsible Person
2017	Continue implementing employee MS4 training	Stephen Edwards/Peter Ratkiewich
	Develop catch basin cleaning plan	Stephen Edwards/Scott Sullivan
	Track disconnected DCIA Acreage	Stephen Edwards/Damion Vassel
	Establish and Implement Procedures for	
	parks and open space	Stephen Edwards/Jen Fava
	pet waste	Stephen Edwards/ Jen Fava
	waterfowl	Stephen Edwards/ Jen Fava
	buildings and facilities	Stephen Edwards/Mike Frawley
	vehicles and equipment	Stephen Edwards/ Scott Sullivan
	leaves	Stephen Edwards/ Scott Sullivan
	street sweeping (including plan for outside priority area)	Stephen Edwards/ Scott Sullivan
	Street Sweeping plan for non- priority areas	Stephen Edwards/ Scott Sullivan
2018	Deicing Material	Stephen Edwards/ Scott Sullivan
	snow and ice control	Stephen Edwards/Scott Sullivan
2019	Track disconnected DCIA Acreage	Peter Ratkiewich/Damion Vassel
	Develop Retrofit Project Plan	Peter Ratkiewich
2020	Track disconnected DCIA Acreage	Peter Ratkiewich/ Damion Vassel
2021	Have 2% DCIA disconnected. Every additional year 1% disconnection.	Peter Ratkiewich
	Track disconnected DCIA Acreage	Peter Ratkiewich/ Damion Vassel

Water Quality Monitoring

The Town of Westport will implement a sampling and water quality monitoring program for waterbodies within its boundaries.

Impaired Waters Outfall Inventory & Screening

By June 30, 2018, The Town of Westport will create an inventory of all outfalls to impaired waters and start screening each of those outfalls for the pollutant identified as the pollutant of concern, utilizing the procedure identified in the General Permit. Any screening of those outfalls conducted as part of the 2004 MS4 General Permit will be used by the Town of Westport to satisfy this screening requirement for that outfall.

At least 50% of the outfalls to impaired waters will be screened by June 30, 2020. All outfalls to impaired waters will be screened by June 30, 2022.

Impaired Waters Outfall Follow-up Investigations

By June 30, 2019, the Town of Westport will begin investigating activities within the drainage areas to each outfall identified during screening as potentially associated with the cause of the impairment. This investigation will include:

- land use/development patterns,
- business or commercial activities,
- industrial activities,
- DCIA,
- natural contributors,
- potential MS4 maintenance issues,
- residential activities, or
- any other activities that might be related to the impairment.

For each area identified for follow-up investigation, the Town of Westport will implement a BMP focused on the impaired waters provisions of each of the 6 minimum control measures.

Monitoring

After at least 50% of the outfalls have been screened, the Town of Westport will utilize the results to identify six of the highest contributors of any pollutants of concern. By June 30, 2021, the Town of Westport will annually sample those six outfalls for the identified pollutant of concern. If more than one pollutant is identified for the outfall, all pollutants identified will be monitored.

Results Reporting

The findings of these screenings, investigations and monitoring will be documented and the results included in the Town of Westport annual report. These reports will include a listing of the outfalls screened, the number of outfalls identified for follow-up screening, the progress of drainage area investigations, a description of the control measure implementation for the different impairments, identification of the six outfalls to be monitored, and the results of the prioritized outfall monitoring.

Monitoring/screening will be conducted according to the methods identified in Title 40, CFR, Part 136 (1990) and laboratory analyses will be consistent with Connecticut Reasonable Confidence Protocols.

Stormwater Management Plan Signature



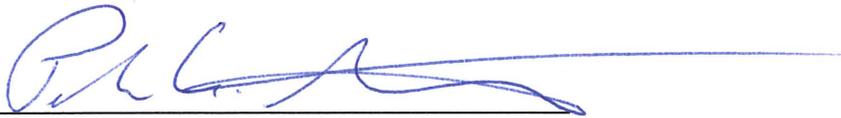
James S. Marpe

First Selectman

3/27/17
Date

Stormwater Management Plan Engineering Certification

I hereby certify that I am making this certification in connection with a registration under the General Permit for the Discharge of Stormwater from Small Municipal Separate Storm Sewer Systems, submitted to the Commissioner by James S. Marpe for an activity located at or within the Town of Westport and that all terms and conditions of the general permit are being met for all discharges which have been created, initiated or maintained and such activity is eligible for authorization under such permit. I further certify that a system is in place to ensure that all terms and conditions of this general permit will continue to be met for all discharges authorized by this general permit at the site. I certify that I have personally examined and am familiar with the information that provides the basis for this certification, including but not limited to all information described in Section 3(b)(8)(A) of such general permit, and I certify, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining such information, that the information upon which this certification is based is true, accurate and complete to the best of my knowledge and belief. I certify that I have made an affirmative determination in accordance with Section 3(b)(8)(B) of this general permit. I understand that the registration filed in connection with such general permit is submitted in accordance with and shall comply with the requirements of Section 22a-430b of Connecticut General Statutes, as amended by Public Act 12-172. I also understand that knowingly making any false statement made in the submitted information and in this certification may be punishable as a criminal offense, including the possibility of fine and imprisonment, under section 53a-157b of the Connecticut General Statutes and any other applicable law.



PETER A. RATKIEWICH, P.E.

TOWN ENGINEER

TOWN OF WESTPORT

3/24/2017

Date