

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

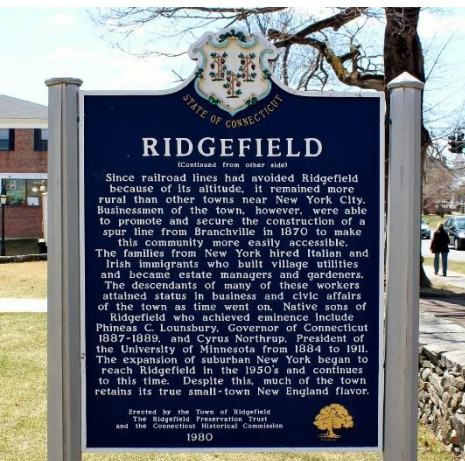
DRAFT COMBINED MS4 ANNUAL REPORT FOR 2018, 2019 AND 2020

Town of Ridgefield

March 31, 2022

Tighe&Bond
Engineers | Environmental Specialists





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

DRAFT COMBINED MS4 ANNUAL REPORT FOR 2018, 2019 AND 2020

Town of Ridgefield

March 31, 2022

Table of Contents

Part I: Summary of Minimum Control Measure Activities	1
1. Public Education and Outreach	1
1.1 BMP Summary	1
1.2 Describe any Public Education and Outreach activities planned for the next year, if applicable.	2
1.3 Details of activities implemented to educate the community on stormwater.....	3
2. Public Involvement/Participation.....	4
2.1 BMP Summary	4
2.2 Describe any Public Involvement/Participation activities planned for the next year, if applicable.	6
2.3 Public Involvement/Participation reporting metrics	6
3. Illicit Discharge Detection and Elimination.....	7
3.1 BMP Summary	7
3.2 Describe any IDDE activities planned for the next year, if applicable.....	9
3.3 List of citizen reports of suspected illicit discharges received during this reporting period. .	9
3.4 Provide a record of illicit discharges occurring during the reporting period and SSOs occurring July 2012 through end of reporting period using the following table.	10
3.5 Briefly describe the method used to track illicit discharge reports, responses to those reports, and who was responsible for tracking this information.	10
3.6 Provide a summary of actions taken to address septic failures using the table below.....	10
3.7 IDDE reporting metrics.....	11
3.8 Briefly describe the IDDE training for employees involved in carrying out IDDE tasks including what type of training is provided and how often is it given (minimum once per year).	11
4. Construction Site Runoff Control	12
4.1 BMP Summary	12
4.2 Describe any Construction Site Runoff Control activities planned for the next year, if applicable.	16
5. Post-construction Stormwater Management.....	18
5.1 BMP Summary	18
5.2 Describe any Post-Construction Stormwater Management activities planned for the next year, if applicable.....	22
5.3 Post-Construction Stormwater Management reporting metrics	22
5.4 Briefly describe the method to be used to determine baseline DCIA.	23
6. Pollution Prevention/Good Housekeeping	24
6.1 BMP Summary	24

6.2 Describe any Pollution Prevention/Good Housekeeping activities planned for the next year, if applicable.....	30
6.3 Pollution Prevention/ Good Housekeeping reporting metrics.....	31
6.4 Catch basin cleaning program.....	32
6.5 Retrofit program.....	32
Part II: Impaired waters investigation and monitoring	33
1. Impaired waters investigation and monitoring program.....	33
1.1 Indicate which stormwater pollutant(s) of concern occur(s) in your municipality or institution.	33
1.2 Describe program status.....	33
2. Screening data for outfalls to impaired waterbodies.....	33
2.1 Screening data.....	33
2.2 Credit for screening data collected under 2004 permit	37
3. Follow-up investigations	37
4. Prioritized outfall monitoring	38
Part III: Additional IDDE Program Data.....	39
1. Assessment and Priority Ranking of Catchments data	39
2. Outfall and Interconnection Screening and Sampling data	40
2.1 Dry weather screening and sampling data from outfalls and interconnections.....	40
2.2 Wet weather sample and inspection data	41
3. Catchment Investigation data.....	43
3.1 System Vulnerability Factor Summary	43
3.2 Key junction manhole dry weather screening and sampling data	44
3.3 Wet weather investigation outfall sampling data	44
3.4 Data for each illicit discharge source confirmed through the catchment investigation procedure	44
Part IV: Certification	45

Appendices

Appendix A Sample Inspection Reports

Appendix B – Sample Generic Conditions of Approval

Appendix C – Sample Maintenance Agreements

Appendix D – Preapplication Meeting Process

Appendix E – Department of Public Services Stormwater SOP Summary

Abbreviations

BMP	Best Management Practice
CFU	colony forming units
CGS	Connecticut General Statutes
cm	centimeters
col	colonies
CTDEEP	Connecticut Department of Energy and Environmental Protection
CTDOT	Connecticut Department of Transportation
DCIA	Directly Connected Impervious Area
GIS	Geographic Information System
IDDE	Illicit Discharge Detection and Elimination
HRRA	Housatonic Resources Recovery Authority
L	liters
lbs	pounds
LID	Low Impact Design
mg	milligrams
MS4	Municipal Separate Storm Sewer System
NEMO	Nonpoint Education for Municipal Officials
N/P	nitrogen / phosphorus
NTU	Nephelometric Turbidity Units
PFAS	per- and polyfluoroalkyl substances
ppt	parts per trillion
SOP	Standard Operating Procedure
SSO	Sanitary Sewer Overflow
TBD	to be determined
WestCOG	Western Connecticut Council of Governments
WPCA	Water Pollution Control Authority
WPCF	Water Pollution Control Facility
µmhos	millimhos



MS4 General Permit Town of Ridgefield 2018, 2019 & 2020 Annual Report

Existing MS4 Permittee

Permit Number GSM 000041

January 1, 2018 – December 31, 2020

Primary MS4 Contact: Jacob Muller, Director of Facilities and Purchasing, o: 203.431.2752 e: purchasing@ridgefieldct.org

This report documents Ridgefield's efforts to comply with the conditions of the MS4 General Permit to the maximum extent practicable (MEP). This combined Annual Report covers the following reporting periods: January 1, 2018 to December 31, 2018; January 1, 2019 to December 31, 2019; and January 1, 2020 to December 31, 2020.

Part I: Summary of Minimum Control Measure Activities

1. Public Education and Outreach

MS4 General Permit Section 6(a)(1) / page 19, requires the Town to implement a public education program to distribute educational materials to the permittee's community or conduct equivalent outreach activities about the sources and impacts of stormwater discharges on waterbodies and the steps that the public can take to reduce pollutants in stormwater runoff.

1.1 BMP Summary

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
1-1 Implement public education and outreach	2018 Ongoing	<p>2018</p> <p>In 2015, the Town WPCA developed a brochure on sanitary sewer best practice that includes MS4 elements such as avoiding illegal connections that could cause SSOs. The brochure is distributed to all customers on the sewer system on an annual basis</p> <p>The Town was in the process of developing new stormwater management regulations and held a series of interdepartmental subcommittee meetings that the public could attend. The minutes and agendas were posted online on the Town's website.</p>	<p>2018</p> <p>Develop and implement a public education process to reach out to the Ridgefield community. Including establishing a stormwater page on the Town website to share educational materials.</p>	<p>2018</p> <p>Town Engineer Designee</p>	<p>2018</p> <p>Ongoing</p>	<p>2018</p> <p>WPCA Brochure: 08/01/2018</p> <p>Stormwater Subcommittee Meetings: 01/26/2018 02/23/2018 04/27/2018 05/24/2018 07/24/2018 08/31/2018 09/21/2018 10/26/2018 11/30/2018</p>	<p>2018</p> <p>WPCA Brochure</p> <p>Local Stormwater Subcommittee</p>
	2019 Ongoing	<p>2019</p> <p>In 2015, the Town WPCA developed a brochure on sanitary sewer best practice that includes MS4 elements such as avoiding illegal connections that could cause SSOs. The brochure is distributed to all customers on the sewer system on an annual basis.</p> <p>The Town was in the process of developing new stormwater management regulations and held a series of interdepartmental subcommittee meetings that the public could attend. The minutes and agendas were posted online on the Town's website.</p>	<p>2019</p> <p>Develop and implement a public education process to reach out to the Ridgefield community. Including establishing a stormwater page on the Town website to share educational materials.</p>	<p>2019</p> <p>Town Engineer Designee</p>	<p>2019</p> <p>Ongoing</p>	<p>2019</p> <p>WPCA Brochure: 08/01/2018</p> <p>Stormwater Subcommittee Meetings: 01/04/2019 02/22/2019 03/29/2019 04/26/2019 05/31/2019 06/28/2019 07/02/2019</p>	<p>2019</p> <p>WPCA Brochure</p> <p>Local Stormwater Subcommittee</p>
		<p>2020</p>	<p>2020</p>				

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
	2020 Ongoing	In 2015, the Town WPCA developed a brochure on sanitary sewer best practice that includes MS4 elements such as avoiding illegal connections that could cause SSOs. The brochure is distributed to all customers on the sewer system on an annual basis. In 2020, the Town held a public hearing of its Planning and Zoning Commission where residents could comment on the proposed stormwater management regulations. The hearing was held on 09/01/2020.	Develop and implement a public education process to reach out to the Ridgefield community. Including establishing a stormwater page on the Town website to share educational materials.	2020 Town Engineer Designee	2020 Ongoing	2020 WPCA Brochure: 08/01/2018	2020 WPCA Brochure Stormwater Regulation Public Hearing
1-2 Address education/ outreach for pollutants of concern	2018 Completed	2018 The Town conducted an extensive public education campaign for the proposed phosphorus upgrade to its water pollution control facility, which included discussions on the sources and impacts of phosphorus.	2018 Develop and implement a public education process to reach out to the Ridgefield community. Including establishing a stormwater page on the Town website to share educational materials.	2018 Town Engineer Designee	2018 Ongoing	2018 Completed: 11/6/2018	2018 Public Information Upgrade Presentation
	2019 Not completed	2019 Not completed	2019 Develop and implement a public education process to reach	2019 Town Engineer Designee	2019 Not completed	2019 Not completed	2019 N/A

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
			<p>out to the Ridgefield community. Including establishing a stormwater page on the Town website to share educational materials.</p> <p>2020 Develop and implement a public education process to reach out to the Ridgefield community. Including establishing a stormwater page on the Town website to share educational materials.</p>				
	2020 Ongoing	2020 Not completed		2020 Town Engineer Designee	2020 Not completed	2020 Not completed	2020 N/A

1.2 Describe any Public Education and Outreach activities planned for the next year, if applicable.

The following activities are planned for 2022:

1. Develop and distribute brochures for specific pollutants:
 - a. Pet Waste
 - b. Mercury
 - c. Impervious Cover
 - d. Illicit Discharges
 - e. Nitrogen & Phosphorus
 - f. Leaf disposal
2. Create a dedicated stormwater page on the Town's website
 - a. Identify contact person from Town staff to serve as liaison to update website.
 - b. Post brochures created above to dedicated stormwater page
 - c. Post WPCA brochure.
 - d. Post links to MS4 Permit, MS4 Stormwater Management Plan and MS4 Annual Report
 - e. Links to Household Hazardous Waste Collection Day
 - f. Include links to stormwater educational sites:
 - i. Housatonic Valley Association: <https://hvatoday.org/polluted-stormwater-runoff/>
 - ii. WestCOG Environmental Planning: <https://westcog.org/environmental/>
 - iii. UCONN NEMO Program: <https://nemo.uconn.edu/ms4/>
 - g. Include links to Planning and Zoning meetings, stormwater and sediment and erosion control regulations.
 - h. Town IT Department to record number of views.

1.3 Details of activities implemented to educate the community on stormwater

Program Element/Activity	Audience (and number of people reached)	Topic(s) covered	Pollutant of Concern addressed (if applicable)	Responsible dept. or partner org.
WPCA Brochure	All WPCA Accounts	General maintenance		WPCA
Phosphorus Upgrade Benefits	Town residents	Phosphorus	Phosphorus	WPCA

2. Public Involvement/Participation

MS4 general permit Section 6(a)(2) / page 21, requires the Town to provide opportunities to engage their community to participate in the review and implementation of the permittee's Plan.

2.1 BMP Summary

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
2-1 Final Stormwater Management Plan publicly available	Complete	None	The 2017 Stormwater Management Plan is posted to the Town's website.	Town Engineer Designee	07/01/2017	Completed: 07/01/2017	Stormwater Management Plan
2-2 Comply with public notice requirements for Annual Reports	2018 Not Complete	2018 None	2018 Publish reasonable public notice about the MS4 Annual Report. Accept public comments for 30 days following the publication of reasonable public notice.	2018 Town Engineer Designee	2018 02/15/2018	2018 Not completed Projected: 06/30/2022 for Combined 2018, 2019 + 2020 Annual Report	
	2019 Not Complete	2019 None	2019 Publish reasonable public notice about the MS4 Annual Report. Accept public comments for 30 days following the publication of reasonable public notice.	2019 Town Engineer Designee	2019 02/15/2019	2019 Not completed Projected: 06/30/2022 for Combined 2018, 2019 + 2020 Annual Report	
	2020 Not Complete	2020 None	2020 Publish reasonable public notice about the MS4 Annual Report. Accept public comments for 30 days following the	2020 Town Engineer Designee	2020 02/15/2019	2020 Not completed Projected: 06/30/2022 for Combined 2018, 2019 +	

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
			publication of reasonable public notice.			2020 Annual Report	
2-3 Conduct Household Hazardous Waste collection day	2018 Ongoing, Complete for 2018	2018 The Town of Ridgefield is a member of the Housatonic Resources Recovery Authority, which conducts household hazardous waste collection days in various member towns. Although no collections were held within Ridgefield itself, Town residents were eligible to participate at collection sites in any member community.	2018 Conduct one household hazardous waste collection day per year.	2018 Town Engineer Designee	2018 12/31/2018	2018 Completed: 07/28/2018 (Brookfield) 09/22/2018 (New Milford) 09/29/2018 (Danbury)	2018 2018 HHW Schedule
	2019 Ongoing, Complete for 2019	2019 The Town of Ridgefield is a member of the Housatonic Resources Recovery Authority, which conducts household hazardous waste collection days in various member towns. In addition to one collection event in Town for	2019 Conduct one household hazardous waste collection day per year.	2019 Town Engineer Designee	2019 12/31/2019	2019 Completed: 10/05/2019 (Ridgefield) 11/02/2019 (Danbury)	2019 2019 HHW Schedule

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
		2019, Town residents were eligible to participate at collection sites in any member community.					
	2020 Ongoing, Complete for 2020	2020 The Town of Ridgefield is a member of the Housatonic Resources Recovery Authority, which conducts household hazardous waste collection days in various member towns. Although no collections were held within Ridgefield itself, Town residents were eligible to participate at collection sites in any member community.	2020 Conduct one household hazardous waste collection day per year.	2020 Town Engineer Designee	2020 12/31/2020	2020 Completed: 09/12/2018 (Brookfield)	2020 2020 HHW Schedule
2-4 Town recycling programs: household goods, food scraps, paint	2018 Ongoing, Complete for 2018	2018 The Town of Ridgefield Transfer Station accepts numerous items, providing a convenient alternative to residents to dispose of waste and to curb illegal	2018 Conduct recycling program throughout the year.	2018 Department of Public Service	2018 12/31/2018	2018 12/31/2021	General Recycling Food scraps Paint

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
		<p>dumping which could flow into storm drains and negatively impact the health of watercourses.</p> <p>A full list of items accepted in on the Town's transfer station website, but includes electronic waste, mattresses, and appliances.</p>					
	2019 Ongoing, Complete for 2019	2019 The Town of continued its recycling program and added a collection for food scraps.	2019 Conduct recycling program throughout the year.	2019 Department of Public Service	2019 12/31/2019	2019 12/31/2019	
	2020 Ongoing, Complete for 2020	2020 The Town of continued its recycling program.	2020 Conduct recycling program throughout the year.	2020 Department of Public Service	2020 12/31/2020	2020 12/31/2020	
2-5: Participate and assist community clean-up events	2018 Ongoing, Complete for 2018	2018 The Town participated and lent support to the annual Rid Litter day clean-up event, providing trash pickup, trash bags and safety vests.	2018 Provide support to one volunteer organized clean-up event.	2018 Department of Public Service	2018 12/31/2018	2018 Completed: 04/22/2018	2018 2018 Rid Litter Day
	2019	2019 The Town participated and	2019	2019	2019	2019	2019

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
	Ongoing, Complete for 2019	lent support to the annual Rid Litter day clean-up event, providing trash pickup, trash bags and safety vests.	Provide support to one volunteer organized clean-up event.	Department of Public Service	12/31/2019	Completed: 04/21/2019	2019 Rid Litter Day
	2020 Not complete for 2020	2020 The Rid Litter Day event was not held due to the COVID-19 pandemic.	2020 Provide support to one volunteer organized clean-up event.	2020 Department of Public Service	2020 12/31/2020	2020 Not complete for 2020	

2.2 Describe any Public Involvement/Participation activities planned for the next year, if applicable.

The following activities are planned for 2022:

1. Publish notice and post 2021 Annual Report to Town Website.
2. Publish notice and post 2018, 2019, and 2020 Annual Reports to Town Website.
3. Conduct at least one Household Hazardous Waste Collection Day.
4. Continue recycling programs for household goods, paint, and food scraps.
5. Identify one or more volunteer organization for Town clean-up activities. Provide material/logistical support (i.e., gloves, bags, trash bag pickup) as needed and available.

2.3 Public Involvement/Participation reporting metrics

Metrics	Implemented	Date	Posted
Availability of the Stormwater Management Plan to public	Yes	07/01/2017	https://www.ridgefieldct.org/sites/g/files/vyhlif4916/f/uploads/smpfinal03282017.pdf

Availability of Annual Report announced to public	Not within initial timeframes, but notice will be provided as of the date of the draft report.		
---	--	--	--

3. Illicit Discharge Detection and Elimination

Reference: Section 6(a)(3) and MS4 General Permit, Appendix B / page 22

3.1 BMP Summary

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
3-1 Develop written IDDE program	2018 Not complete for 2018	2018 None	2018 Develop written plan of IDDE program	2018 Town Engineer Designee	2018 07/01/2018	2018 Projected: 06/30/2022	
	2019 Not complete for 2019	2019 None	2019 Develop written plan of IDDE program	2019 Town Engineer Designee	2019 07/01/2018	2019 Projected: 06/30/2022	
	2020 Not complete for 2020	2020 None	2020 Develop written plan of IDDE program	2020 Town Engineer Designee	2020 07/01/2018	2020 Projected: 06/30/2022	
3-2 Develop list and maps of all MS4 stormwater outfalls in priority areas	2018 In progress	2018 The Town is in the process of mapping its stormwater outfalls in priority areas into a single, consolidated location. The Town has some outfalls mapped in its GIS system, while others are shown on subdivision mapping in Planning and Zoning records.	2018 Develop and maintain a list of all stormwater outfalls from a pipe or conduit located within and owned/operated by the Town, and all interconnections with other MS4s.	2018 Town Engineer Designee	2018 07/01/2019	2018 TBD	
	2019 In progress	2019 The Town is in the process of mapping its stormwater outfalls in priority areas into a single, consolidated location. The Town has some outfalls mapped in its	2019 Develop and maintain a list of all stormwater outfalls from a pipe or conduit located within and owned/operated by the	2019 Town Engineer Designee	2019 07/01/2018	2019 TBD	

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
	2020 In progress	2020 The Town is in the process of mapping its stormwater outfalls in priority areas into a single, consolidated location. The Town has some outfalls mapped in its GIS system, while others are shown on subdivision mapping in Planning and Zoning records.	2020 Town, and all interconnections with other MS4s. 2020 Develop and maintain a list of all stormwater outfalls from a pipe or conduit located within and owned/operated by the Town, and all interconnections with other MS4s.	2020 Town Engineer Designee	2020 07/01/2018	2020 TBD	
3-3 Implement citizen reporting program	2018 Complete	2018 The Town has an online feature on it's website under "Contact Us" where residents can report a concern to a specific Department, which generates an e-mail to a specific contact person within the Department for follow-up and, if necessary, action.	2018 Develop and implement a procedure to track citizen complaints of illicit discharges.	2018 Town Engineer Designee	2018 Ongoing	2018 Completed: 07/01/2017	2018 Contact Us
	2019 Complete	2019 The Town has an online feature on it's website under "Contact Us" where residents can report a concern to a specific Department, which generates an e-mail to a specific contact person within the Department for	2019 Develop and implement a procedure to track citizen complaints of illicit discharges.	2019 Town Engineer Designee	2019 Ongoing	2019 Completed: 07/01/2017	2019 Contact Us

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
	2020 Complete	follow-up and, if necessary, action. 2020 The Town has an online feature on it's website under "Contact Us" where residents can report a concern to a specific Department, which generates an e-mail to a specific contact person within the Department for follow-up and, if necessary, action.	2020 Develop and implement a procedure to track citizen complaints of illicit discharges.	2020 Town Engineer Designee	2020 Ongoing	2020 Completed: 07/01/2017	2020 Contact Us
3-4 Establish legal authority to prohibit illicit discharges	2018 Not complete for 2018	2018 Town Ordinance 298-6-B prohibits unlawful discharges of sanitary sewage, industrial waste, or other polluted waters to storm drains. Effective June 1, 2008, Chapter 24 of the Code of the Town of Ridgefield allows citations for Zoning violations and to compel property owners to bring their properties into compliance. Effective January 26, 2018, a similar ordinance for wetlands violations became effective.	2018 Establish legal authority in the Town to eliminate illicit discharges. Implement and enforce the ordinance.	2018 Town Engineer Designee	2018 07/01/2018	2018 Projected: 12/31/2022	2018 Ordinance 298-6-B
	2019	2019 Town Ordinance 298-6-B prohibits unlawful	2019 Establish legal authority in the Town to eliminate illicit	2019	2019 07/01/2018	2019 Projected:	2019

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
	Not complete for 2019	discharges of sanitary sewage, industrial waste, or other polluted waters to storm drains. Effective June 1, 2008, Chapter 24 of the Code of the Town of Ridgefield allows citations for Zoning violations and to compel property owners to bring their properties into compliance. Effective January 26, 2018, a similar ordinance for wetlands violations became effective.	discharges. Implement and enforce the ordinance.	Town Engineer Designee		12/31/2022	Ordinance 298-6-B
	2020 Not complete for 2020	2020 Town Ordinance 298-6-B prohibits unlawful discharges of sanitary sewage, industrial waste, or other polluted waters to storm drains. Effective June 1, 2008, Chapter 24 of the Code of the Town of Ridgefield allows citations for Zoning violations and to compel property owners to bring their properties into compliance. Effective January 26, 2018, a similar ordinance for wetlands violations became effective.	2020 Establish legal authority in the Town to eliminate illicit discharges. Implement and enforce the ordinance.	2020 Town Engineer Designee	2020 07/01/2018	2020 Projected: 12/31/2022	2020 Ordinance 298-6-B

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
3-5 Develop record keeping system for IDDE tracking	2018 Ongoing	2018 The Town records illicit discharge abatement activities on corresponding public complaint forms, and are recorded in the Town's files.	2018 Develop and implement documentation procedures for illicit discharge abatement activities, and update Annual Report with required abatement activity information pursuant to the updated MS4 permit.	2018 Town Engineer Designee	2018 07/01/2017	2018 12/31/2027	
	2019 Ongoing	2019 The Town records illicit discharge abatement activities on corresponding public complaint forms, and are recorded in the Town's files.	2019 Develop and implement documentation procedures for illicit discharge abatement activities, and update Annual Report with required abatement activity information pursuant to the updated MS4 permit.	2019 Town Engineer Designee	2019 07/01/2017	2019 12/30/2018	
	2020 Ongoing	2020 The Town records illicit discharge abatement activities on corresponding public complaint forms, and are recorded in the Town's files.	2020 Develop and implement documentation procedures for illicit discharge abatement activities, and update Annual Report with required abatement activity information pursuant to the updated MS4 permit.	2020 Town Engineer Designee	2020 07/01/2017	2020 12/31/2020	
3-6 Address IDDE in areas with pollutants of concern	2018 Not completed for 2018	2018 No progress for 2018.	2018 Identify locations within the Town at risk of pollution by bacteria, phosphorus, and nitrogen and explicitly prioritize these areas within the written IDDE program. Update the Annual Report	2018 Town Engineer Designee	2018 Not specified	2018 Projected date for written SOP: 06/30/2022	

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
	2019 Not completed for 2019 2020 Not completed for 2020	2019 No progress for 2019. 2020 No progress for 2020.	<p>with information on the prioritized areas, actions taken by the Town to address these areas and the anticipated pollutant reduction.</p> <p>2019 Identify locations within the Town at risk of pollution by bacteria, phosphorus, and nitrogen and explicitly prioritize these areas within the written IDDE program. Update the Annual Repot with information on the prioritized areas, actions taken by the Town to address these areas and the anticipated pollutant reduction.</p> <p>2020 Identify locations within the Town at risk of pollution by bacteria, phosphorus, and nitrogen and explicitly prioritize these areas within the written IDDE program. Update the Annual Repot with information on the prioritized areas, actions taken by the Town to address these areas and the anticipated pollutant reduction.</p>	2019 Town Engineer Designee 2020 Town Engineer Designee	2019 Not specified 2020 Not specified	<p>2019 Projected date for written SOP: 06/30/2022</p> <p>2020 Projected date for written SOP: 06/30/2022</p>	

3.2 Describe any IDDE activities planned for the next year, if applicable.

The following activities are planned for 2022:

1. Prepare written IDDE Plan
2. Consolidate Town storm sewer and outfall mapping into a single location.
3. Evaluate the effectiveness of the existing citizen reporting feature on the Town Website and make improvements if needed. Evaluate adding specific drop down menu for Stormwater concerns, and use the Public Services Department to review and refer the concern for action.
4. Review illicit discharge ordinances crafted by other communities, and develop the draft ordinance for the Town, following the procedure established in the Town Charter.
5. Prepare written SOP for Mamanasco lake sediment structures.
6. Resume sampling and screening program that was started in 2018.

3.3 List of citizen reports of suspected illicit discharges received during this reporting period.

Illicit discharges are any unpermitted discharge to waters of the state that do not consist entirely of stormwater or uncontaminated groundwater except those discharges identified in Section 3(a)(2) of the MS4 general permit when such non-stormwater discharges are not significant contributors of pollution to a discharge from an identified MS4.

Date of Report	Location / suspected source	Response taken
None for 2018, 2019 and 2020		

3.4 Provide a record of illicit discharges occurring during the reporting period and SSOs occurring July 2012 through end of reporting period using the following table.

Location (Lat long/ street crossing /address and receiving water)	Date and duration of occurrence	Discharge to MS4 or surface water	Estimated volume discharged	Known or suspected cause / Responsible party	Corrective measures planned and completed (include dates)	Sampling data (if applicable)
Near 21 Ramapoo Road	11/04/2017	None	100 gallons	Roots and accumulation of grease in system on Gilbert Street	Roots and grease removed.	
WPCA to provide all since 2012.						

3.5 Briefly describe the method used to track illicit discharge reports, responses to those reports, and who was responsible for tracking this information.

The Town tracks illicit discharge reports on paper, preparing memos to identify the location and track ultimate resolution of the reported discharge. Responsibility varies depending on the type of discharge. Oil spills are handled by the Fire Department, whereas records for sediment and erosion are handled by Planning and Zoning, and other issues are addressed by the Office of the Town Engineer Designee with Assistance from Consulting Engineer. WPCA tracks SSOs, and the Health Department tracks septic system repairs.

3.6 Provide a summary of actions taken to address septic failures using the table below.

Location and nature of structure with failing septic systems	Actions taken to respond to and address the failures	Impacted waterbody or watershed, if known
To be provided by Health Department		

3.7 IDDE reporting metrics

Metrics	
Estimated or actual number of MS4 outfalls	500 (estimated)

Estimated or actual number of interconnections	25 (estimated)
Outfall mapping complete	50%
Interconnection mapping complete	50%
System-wide mapping complete (detailed MS4 infrastructure)	50%
Outfall assessment and priority ranking	0%
Dry weather screening of all High and Low priority outfalls complete	20
Catchment investigations complete	0
Estimated percentage of MS4 catchment area investigated	4%

3.8 Briefly describe the IDDE training for employees involved in carrying out IDDE tasks including what type of training is provided and how often is it given (minimum once per year).

Due to the COVID-19 pandemic, no training was offered in 2021. Training on MS4 and IDDE will be given to the Highway Department in the first half of 2022, no later than 06/30/2022., COVID dependent.

4. Construction Site Runoff Control

Reference: (Section 6(a)(4) / page 25)

4.1 BMP Summary

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
4-1 Implement, upgrade, and enforce land use regulations or other legal authority to meet requirements of MS4 general permit	2018 Ongoing, complete for 2018	<p>2018</p> <p>The Town required that developers, construction site operators, and contractors maintain consistency with the <i>2002 Guidelines for Soil Erosion and Sediment Control</i>, as amended. The requirements are outlined in Section 7.6 of the Ridgefield Zoning Regulations.</p> <p>The Town issued a clarification of its regulations in September 2018 that includes stricter standards than the <i>2002 Guidelines for Soil Erosion and Sediment Control</i>.</p> <p>Additionally, Section 7.15 of the Ridgefield Zoning Regulations requires consistency with the <i>2004 Connecticut Stormwater Quality Manual</i>.</p> <p>The Town conducts preconstruction</p>	<p>2018</p> <p>Continue to require developers, construction site operators, or contractors maintain consistency with the <i>2002 Guidelines for Soil Erosion and Sediment Control</i>, as amended.</p> <p>Require consistency with the 2004 Connecticut Stormwater Quality Manual, an all stormwater discharge permits issued by CTDEEP within the municipal or institutional boundary pursuant to CGS 22a-430 and 22a-430b.</p>	2018 Planning and Zoning	2018 07/01/2019	2018 Completed: 07/01/2017	<p>2018</p> <p>2018 Sediment and Erosion Control Policy:</p> <p>Planning & Zoning Regulations</p>

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
	2019 Ongoing, complete for 2019.	<p>meetings to review the conditions of approval, and protocols for sediment and erosion control.</p> <p>2019 The Town required that developers, construction site operators, and contractors maintain consistency with the <i>2002 Guidelines for Soil Erosion and Sediment Control</i>, as amended. The requirements are outlined in Section 7.6 of the Ridgefield Zoning Regulations.</p> <p>The Town issued a clarification of its regulations in September 2018 that includes stricter standards than the <i>2002 Guidelines for Soil Erosion and Sediment Control</i>.</p> <p>Additionally, Section 7.15 of the Ridgefield Zoning Regulations requires consistency with the <i>2004 Connecticut Stormwater Quality Manual</i>.</p> <p>The Town conducts preconstruction meetings to review the conditions of approval,</p>	<p>2019 Continue to require developers, construction site operators, or contractors maintain consistency with the <i>2002 Guidelines for Soil Erosion and Sediment Control</i>, as amended.</p> <p>Require consistency with the 2004 Connecticut Stormwater Quality Manual, an all stormwater discharge permits issued by CTDEEP within the municipal or institutional boundary pursuant to CGS 22a-430 and 22a-430b.</p>	2019 Planning and Zoning	2019 07/01/2019	2019 Completed: 07/01/2017	<p>2019 2018 Sediment and Erosion Control Policy:</p> <p>Planning & Zoning Regulations</p>

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
	<p>and protocols for sediment and erosion control.</p> <p>2020 Ongoing, complete for 2020.</p>	<p>The Town required that developers, construction site operators, and contractors maintain consistency with the <i>2002 Guidelines for Soil Erosion and Sediment Control</i>, as amended. The requirements are outlined in Section 7.6 of the Ridgefield Zoning Regulations.</p> <p>The Town issued a clarification of its regulations in September 2018 that includes stricter standards than the <i>2002 Guidelines for Soil Erosion and Sediment Control</i>.</p> <p>Additionally, Section 7.15 of the Ridgefield Zoning Regulations requires consistency with the <i>2004 Connecticut Stormwater Quality Manual</i>.</p> <p>The Town conducts preconstruction meetings to review the conditions of approval, and protocols for</p>	<p>2020 Continue to require developers, construction site operators, or contractors maintain consistency with the <i>2002 Guidelines for Soil Erosion and Sediment Control</i>, as amended.</p> <p>Require consistency with the 2004 Connecticut Stormwater Quality Manual, an all stormwater discharge permits issued by CTDEEP within the municipal or institutional boundary pursuant to CGS 22a-430 and 22a-430b.</p>	<p>2020 Planning and Zoning</p>	<p>2020 07/01/2019</p>	<p>2020 Completed: 07/01/2017</p>	<p>2020 2018 Sediment and Erosion Control Policy:</p> <p>Planning & Zoning Regulations</p>

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
		sediment and erosion control.					
4-2 Develop/Implement plan for interdepartmental coordination in site plan review and approval	2018 Ongoing, complete for 2018	2018 The Town's site plan review process includes referrals to various other Town Departments, including Fire, Police, Engineering, and Health, in addition to Planning and Zoning. Projects with subject to inland wetlands review are also subject to Inland Wetlands Board and Conservation Commission review.	2018 Continue to follow the existing interdepartmental coordination process for the management of stormwater quality.	2018 Town Engineer Designee	2018 Ongoing	2018 Completed: 07/01/2017	
	2019 Ongoing, complete for 2019.	2019 The Town's site plan review process includes referrals to various other Town Departments, including Fire, Police, Engineering, and Health, in addition to Planning and Zoning. Projects with subject to inland wetlands review are also subject to Inland Wetlands Board and Conservation Commission review.	2019 Continue to follow the existing interdepartmental coordination process for the management of stormwater quality.	2019 Town Engineer Designee	2019 Ongoing	2019 Completed: 07/01/2017	
	2020	2020 The Town's site plan review process includes referrals to various other	2020 Continue to follow the existing interdepartmental coordination process for	2020	2020 Ongoing	2020 Completed:	

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
	Ongoing, complete for 2020.	Town Departments, including Fire, Police, Engineering, and Health, in addition to Planning and Zoning. Projects with subject to inland wetlands review are also subject to Inland Wetlands Board and Conservation Commission review.	the management of stormwater quality.	Town Engineer Designee		07/01/2017	
4-3 Review site plans for stormwater quality concerns	2018 Ongoing, complete for 2018.	<p>2018</p> <p>The Town continued to implement its existing practices of engineering comments and site inspections and will update the site plan process as necessary to provide consistency with the MS4 requirements.</p> <p>The Town also holds site plan review meetings with applicants for preapplication purposes, and documents the issues discussed, including stormwater in detailed meeting summaries for each review meeting.</p> <p>These policies have been followed since at least 1985.</p> <p>In some instances, the Town may hire, at the expense of the applicant, outside</p>	2018 The Town will review and update, if needed, the site review and inspection process by July 1, 2017, and then continue the review and inspection process throughout the duration of the permit.	2018 Town Engineer Designee	2018 Ongoing	2018 Completed: 07/01/2017	2018 Pre-application guidance: Appendix D

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
	<p>technical consultants for review of applications dealing with stormwater management or erosion control.</p> <p>2019 Ongoing, complete for 2019.</p>	<p>2019 The Town continued to implement its existing practices of engineering comments and site inspections and will update the site plan process as necessary to provide consistency with the MS4 requirements.</p> <p>The Town also holds site plan review meetings with applicants for preapplication purposes, and documents the issues discussed, including stormwater in detailed meeting summaries for each review meeting.</p> <p>These policies have been followed since at least 1985.</p> <p>In some instances, the Town may hire, at the expense of the applicant, outside technical consultants for review of applications dealing with stormwater management or erosion control.</p>	<p>2019 The Town will review and update, if needed, the site review and inspection process by July 1, 2017, and then continue the review and inspection process throughout the duration of the permit.</p>	<p>2019 Town Engineer Designee</p>	<p>2019 Ongoing</p>	<p>2019 Completed: 07/01/2017</p>	<p>2019 Pre-application guidance: Appendix D</p>

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
	2020 Ongoing, complete for 2020	2020 The Town continued to implement its existing practices of engineering comments and site inspections and will update the site plan process as necessary to provide consistency with the MS4 requirements. The Town also holds site plan review meetings with applicants for preapplication purposes, and documents the issues discussed, including stormwater in detailed meeting summaries for each review meeting. These policies have been followed since at least 1985. In some instances, the Town may hire, at the expense of the applicant, outside technical consultants for review of applications dealing with stormwater management or erosion control.	2020 The Town will review and update, if needed, the site review and inspection process by July 1, 2017, and then continue the review and inspection process throughout the duration of the permit.	2020 Town Engineer Designee	2020 Ongoing	2020 Completed 07/01/2017	2020 Pre-application guidance: Appendix D
4-4 Conduct site inspections	2018 Ongoing	2018 The Town continued to implement its existing practice of engineering comments and site inspections and will	2018 Evaluate and update draft standard condition of approval.	2018 Planning & Zoning	2018 Ongoing	2018 Completed: 07/01/2017	2018 Sample site plan inspection records are included in Appendix A.

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
		<p>update the site plan process as necessary to provide consistency with the MS4 requirements.</p> <p>Site plan reviews incorporate consideration of stormwater management practices to prevent or minimize impacts to stormwater quality.</p> <p>The Town conducts site inspections of all private and construction sites. Since 2009, property owners or authorized agents must read and sign a form whereby they agree to install and maintain proper erosion controls and acknowledge that the Town may take additional steps to ensure compliance.</p> <p>In some instances, the Town may require the applicant to post a deposit to cover the cost of a third-party inspector with weekly or biweekly reports submitted to the Town.</p>					
	2019	<p>2019</p> <p>The Town continued to implement its existing practice of engineering comments and site</p>	2019	2019	2019 Ongoing	2019	2019

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
	Ongoing, complete for 2019.	<p>inspections and will update the site plan process as necessary to provide consistency with the MS4 requirements.</p> <p>Site plan reviews incorporate consideration of stormwater management practices to prevent or minimize impacts to stormwater quality.</p> <p>The Town conducts site inspections of all private and construction sites. Since 2009, property owners or authorized agents must read and sign a form whereby they agree to install and maintain proper erosion controls and acknowledge that the Town may take additional steps to ensure compliance.</p> <p>In some instances, the Town may require the applicant to post a deposit to cover the cost of a third-party inspector with weekly or biweekly reports submitted to the Town</p> <p>2020 The Town continued to implement its existing practice of engineering</p>	Evaluate and update draft standard condition of approval.	Planning and Zoning		Completed: 07/01/2017	Sample site plan inspection records are included in Appendix A.

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
	2020 Ongoing, complete for 2020.	<p>comments and site inspections and will update the site plan process as necessary to provide consistency with the MS4 requirements.</p> <p>Site plan reviews incorporate consideration of stormwater management practices to prevent or minimize impacts to stormwater quality.</p> <p>The Town conducts site inspections of all private and construction sites. Since 2009, property owners or authorized agents must read and sign a form whereby they agree to install and maintain proper erosion controls and acknowledge that the Town may take additional steps to ensure compliance</p> <p>In some instances, the Town may require the applicant to post a deposit to cover the cost of a third-party inspector with weekly or biweekly reports submitted to the Town.</p>	2020 Evaluate and update draft standard condition of approval.	2020 Planning and Zoning	2020 Ongoing	2020 Completed: 07/01/2017	2020 Sample site plan inspection records are included in Appendix A.

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
4-5 Implement procedure to allow public comment on site development	2018 Ongoing, complete for 2018.	2018 In accordance with state law, the Town conducts public hearings on site plan applications. The Town has an online feature on it's website under "Contact Us" where residents can report a concern to a specific Department, which generates an e-mail to a specific contact person within the Department for follow-up and, if necessary, action.	2018 Develop and implement a procedure to allow public comment on site development.	2018 Town Engineer Designee	2018 Ongoing	2018 Completed: 07/01/2017	2018 Contact Us
	2019 Ongoing, complete for 2019.	2019 In accordance with state law, the Town conducts public hearings on site plan applications. The Town has an online feature on it's website under "Contact Us" where residents can report a concern to a specific Department, which generates an e-mail to a specific contact person within the Department for follow-up and, if necessary, action.	2019 Develop and implement a procedure to allow public comment on site development.	2019 Town Engineer Designee	2019 Ongoing	2019 Completed: 07/01/2017	2019 Contact Us
	2020	2020 In accordance with state law, the Town conducts public hearings on site plan applications.	2020	2020	2020 Ongoing	2020	2020 Contact Us

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
	Ongoing, complete for 2020.	The Town has an online feature on it's website under "Contact Us" where residents can report a concern to a specific Department, which generates an e-mail to a specific contact person within the Department for follow-up and, if necessary, action.	Develop and implement a procedure to allow public comment on site development.	Town Engineer Designee		Completed: 07/01/2017	
4-6 Implement procedure to notify developers about DEEP construction stormwater permit	2018 In Progress	2018 Historically, the Town has included a generic condition that the applicant is responsible to obtain all other state and federal permits that may be required. Planning & Zoning also distributes a handout to developers advising them of their responsibilities, including the need to identify if any state or federal permits are required.	2018 The Town shall evaluate its procedure for notifying developers or contractors about the potential need to register under DEEP's Construction Stormwater General Permit.	2018 Town Engineer Designee	2018 Ongoing	2018 Projected: 06/30/2022	2018 Sample generic condition and Planning & Zoning Handout: Appendix B.
	2019 In Progress	2019 Historically, the Town has included a generic condition that the applicant is responsible to obtain all other state and federal permits that may be required. Planning & Zoning also distributes a handout to developers advising	2019 The Town shall evaluate its procedure for notifying developers or contractors about the potential need to register under DEEP's Construction Stormwater General Permit.	2019 Town Engineer Designee	2019 Ongoing	2019 Projected: 06/30/2022	2019 Sample generic condition and Planning & Zoning Handout: Appendix B.

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
	2020 In Progress	<p>them of their responsibilities, including the need to identify if any state or federal permits are required.</p> <p>2020 Historically, the Town has included a generic condition that the applicant is responsible to obtain all other state and federal permits that may be required.</p> <p>Planning & Zoning also distributes a handout to developers advising them of their responsibilities, including the need to identify if any state or federal permits are required.</p>	<p>2020 The Town shall evaluate its procedure for notifying developers or contractors about the potential need to register under DEEP's Construction Stormwater General Permit.</p>	<p>2020 Town Engineer Designee</p>	<p>2020 Ongoing</p>	<p>2020 Projected: 06/30/2022</p>	<p>2020 Sample generic condition and Planning & Zoning Handout: Appendix B.</p>
4-7 Regulatory Flexibility for Additional Controls	2018 In Progress	<p>2018 The Town periodically reviews and revises policies and regulations to increase effectiveness and to respond to trends observed during inspections. For example in 2018, the Town clarified its Sediment and Erosion Control policy .but review is continuous.</p>	<p>2018 Assess existing regulations regarding construction site stormwater controls, and if goals are not being met, update as needed.</p>	<p>2018 Town Engineer Designee</p>	<p>2018 Ongoing</p>	<p>2018 Ongoing</p>	<p>2018 2018 Sediment and Erosion Control Policy: Planning & Zoning Regulations</p>
	2019 In Progress	<p>2019 The Town periodically reviews and revises policies and regulations</p>	<p>2019 Assess existing regulations regarding</p>	<p>2019</p>	<p>2019 Ongoing</p>	<p>2019 Ongoing</p>	<p>2019</p>

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
	<p>2020 In Progress</p>	<p>to increase effectiveness and to respond to trends observed during inspections. For example in 2018, the Town clarified its Sediment and Erosion Control policy.</p> <p>2020 The Town periodically reviews and revises policies and regulations to increase effectiveness and to respond to trends observed during inspections. For example in 2018, the Town clarified its Sediment and Erosion Control policy and in 2020 adopted new stormwater management regulations. No policy changes were implemented in 2021.</p>	<p>construction site stormwater controls, and if goals are not being met, update as needed.</p> <p>2020 Assess existing regulations regarding construction site stormwater controls, and if goals are not being met, update as needed.</p>	<p>Town Engineer Designee</p> <p>2020 Town Engineer Designee</p>	<p>Ongoing</p>	<p>Ongoing</p>	<p>2018 Sediment and Erosion Control Policy:</p> <p>Planning & Zoning Regulations</p> <p>2020 2018 Sediment and Erosion Control Policy:</p> <p>Planning & Zoning Regulations</p>
4-8 Require Maintenance and Operation Plans	<p>2018 Ongoing, complete for 2018</p> <p>2019</p>	<p>2018 The Town already requires maintenance plans for stormwater systems and sediment and erosion controls. These plans are to be filed on the land records.</p> <p>2019 The Town already requires maintenance</p>	<p>2018 Require operations and maintenance plans for stormwater infrastructure.</p> <p>2019</p>	<p>2018 Town Engineer Designee</p> <p>2019</p>	<p>2018 07/01/2019</p> <p>2019 07/01/2019</p>	<p>2018 Completed: 07/01/2017</p> <p>2019</p>	

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
	Ongoing, complete for 2019	plans for stormwater systems and sediment and erosion controls. These plans are to be filed on the land records.	Require operations and maintenance plans for stormwater infrastructure.	Town Engineer Designee		Completed: 07/01/2017	
	2020 Ongoing, complete for 2020	2020 The Town already requires maintenance plans for stormwater systems and sediment and erosion controls. These plans are to be filed on the land records.	2020 Require operations and maintenance plans for stormwater infrastructure.	2020 Town Engineer Designee	2020 07/01/2019	2020 Completed: 07/01/2017	

4.2 Describe any Construction Site Runoff Control activities planned for the next year, if applicable.

The following activities are planned for 2022:

1. Continue to enforce existing regulations
2. Continue to track citizen reports and concerns.
3. Board of Selectmen to formalize existing practices into Interdepartmental coordination plan, including creation of internal stormwater subcommittee comprised of Town Departments with oversight of elements of MS4 Plan.
4. Continue site plan review process, including documentation of site plan review meetings.
5. Continue requirements for operations and maintenance plans.
6. Continue site inspection program.
7. Refine notification to applicants of their potential obligation to register for the CTDEEP Construction Stormwater General Permit.
8. Include standard language notification into Town's online permit system.

5. Post-construction Stormwater Management

Reference: (Section 6(a)(5) / page 27)

5.1 BMP Summary

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
5-1 Establish and/or update legal authority and guidelines regarding LID and runoff reduction in site development planning	2018 Complete	2018 The Town's existing stormwater management regulations require the use of low impact development practices and requires runoff reduction. The Town's stormwater management regulations reference the Low Impact Development Appendix to the <i>2004 Connecticut Stormwater Quality Manual</i> .	2018 Review and evaluate existing stormwater management requirements to confirm LID and runoff reduction practices are required.	2018 Planning & Zoning	2018 07/01/2021	2018 Complete: 07/01/2017	2018 Stormwater Management Regulations (Section 7.15)
	2019 Complete	2019 The Town's existing stormwater management regulations require the use of low impact development practices and requires runoff reduction. The Town's stormwater management regulations reference the Low Impact Development Appendix to the <i>2004 Connecticut Stormwater Quality Manual</i> .	2019 Review and evaluate existing stormwater management requirements to confirm LID and runoff reduction practices are required.	2019 Planning & Zoning	2019 07/01/2021	2019 Complete: 07/01/2017	2019 Stormwater Management Regulations (Section 7.15)
	2020 Complete	2020 The Town's existing stormwater management regulations require the use	2020 Review and evaluate existing stormwater management requirements to confirm	2020 Planning and Zoning	2020 07/01/2021	2020 Complete: 07/01/2017	2020 Stormwater Management Regulations (Section 7.15)

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
		<p>of low impact development practices and requires runoff reduction.</p> <p>The Town's stormwater management regulations reference the Low Impact Development Appendix to the <i>2004 Connecticut Stormwater Quality Manual</i>.</p>	LID and runoff reduction practices are required.				
5-2 Enforce LID/runoff reduction requirements for development and redevelopment projects	2018 Complete	2018 The Town's requires runoff reduction and LID on redevelopment projects.	2018 Update or develop regulations and/or design guidelines that require developers and/or contractors to first consider implementation of LID and runoff reduction measures for development and redevelopment projects in the Town as specified by the MS4 permit.	2018 Planning & Zoning	2018 07/01/2021	2018 Complete: 07/01/2017	2018 Stormwater Management Regulations (Section 7.15)
	2019 Complete	2019 The Town's requires runoff reduction and LID on redevelopment projects.	2019 Update or develop regulations and/or design guidelines that require developers and/or contractors to first consider implementation of LID and runoff reduction measures for development and redevelopment projects in the Town as specified by the MS4 permit.	2019 Planning & Zoning	2019 07/01/2021	2019 Complete: 07/01/2017	2019 Stormwater Management Regulations (Section 7.15)

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
	2020 Complete	2020 The Town's requires runoff reduction and LID on redevelopment projects. The Town adopted regulations in 2020 that require a water quality volume depth of 1.5 inches, versus 1 inch in the CTDEEP 2004 Stormwater Quality Manual.	2020 Update or develop regulations and/or design guidelines that require developers and/or contractors to first consider implementation of LID and runoff reduction measures for development and redevelopment projects in the Town as specified by the MS4 permit.	2020 Planning & Zoning	2020 07/01/2021	2020 Complete: 07/01/2017	2020 Stormwater Management Regulations (Section 7.15)
5-3 Identify retention and detention ponds in priority areas	2018 Not started	2018 No activity to report.	2018 Identify retention and detention ponds in priority areas.	2018 Town Engineer Designee	2018 07/01/2019	2018 Projected: 12/31/2022	
	2019 Not started	2019 No activity to report.	2019 Identify retention and detention ponds in priority areas.	2019 Town Engineer Designee	2019 07/01/2019	2019 Projected: 12/31/2022	
	2020 No started	2020 No activity to report	2020 Identify retention and detention ponds in priority areas.	2020 Town Engineer Designee	2020 07/01/2019	2020 Projected: 12/31/2022	

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
5-4 Implement long-term maintenance plan for stormwater basins and treatment structures	2018 Ongoing, complete for 2018.	2018 The Town requires all Planning and Zoning Commission applicants requiring stormwater management approval to execute a maintenance agreement that is recorded on the land records. The agreement gives the Town the authority to enter upon property to inspect structures, compels Owners to rectify deficiencies, and the agreement is binding upon successive owners, running with the land.	2018 Prepare draft condition of approval for inspection access. Require operation and maintenance plans.	2018 Town Engineer Designee	2018 07/01/2019	2018 Ongoing	2018 Stormwater Management Drainage System Agreement Sample agreements: Appendix C
	2019 Ongoing , complete for 2019	2019 The Town requires all Planning and Zoning Commission applicants requiring stormwater management approval to execute a maintenance agreement that is recorded on the land records. The agreement gives the Town the authority to enter upon property to inspect structures, compels Owners to rectify deficiencies, and the agreement is binding upon successive owners, running with the land.	2019 Prepare draft condition of approval for inspection access. Require operation and maintenance plans.	2019 Town Engineer Designee	2019 07/01/2019	2019 Ongoing	2019 Stormwater Management Drainage System Agreement Sample agreements: Appendix C
	2020	2020	2020	2020	2020	2020	2020

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
	Ongoing, complete for 2020	<p>The Town requires all Planning and Zoning Commission applicants requiring stormwater management approval to execute a maintenance agreement that is recorded on the land records.</p> <p>The agreement gives the Town the authority to enter upon property to inspect structures, compels Owners to rectify deficiencies, and the agreement is binding upon successive owners, running with the land.</p>	Prepare draft condition of approval for inspection access. Require operation and maintenance plans	Town Engineer Designee	07/01/2019	Ongoing	Stormwater Management Drainage System Agreement Sample agreements: Appendix C
5-5 DCIA mapping	2018 Not complete	2018 No activity to report	2018 Calculate the DCIA that contributes stormwater runoff to each MS4 outfall by July 1, 2020, and update calculations as DCIA is added or removed within the Town.	2018 Town Engineer Designee	2018 07/01/2020	2018 Projected: 06/30/2022	
	2019 Not complete	2019 No activity to report	2019 Calculate the DCIA that contributes stormwater runoff to each MS4 outfall by July 1, 2020, and update calculations as DCIA is added or removed within the Town.	2019 Town Engineer Designee	2019 07/01/2020	2019 Projected: 06/30/2022	
			2020 Calculate the DCIA that contributes stormwater	2020	2020	2020	
	2020	2020					

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
	Not complete	No activity to report	runoff to each MS4 outfall by July 1, 2020, and update calculations as DCIA is added or removed within the Town.	Town Engineer Designee	07/01/2020	Projected: 06/30/2022	
5-6 Address post-construction issues in areas with pollutants of concern	2018 Ongoing, complete for 2018	2018 Identify erosion and sediment problems in impaired waters. Develop and implement short and long term maintenance solutions to the problems as funding becomes available or use legal authority to hold property owners accountable. The Town responds to post construction issues in areas with pollutants of concern as they are made aware of a specific situation. The Town provides funding to Harbor Watch to perform monitoring at selected areas in Town.	2018 As issues arise on publicly owned property, work is done in-house to correct the issue to the maximum extent practicable. Otherwise, corrective action is developed into a capital improvement project. On privately owned lands, typically a wetlands violation notice will be issued.	2018 Town Engineer Designee	2018 Not specified	2018 Projected: 06/30/2022	2018
	2019 Ongoing, complete for 2019	2019 Identify erosion and sediment problems in impaired waters. Develop and implement short and long term maintenance solutions to the problems as funding becomes available or use legal authority to hold property owners accountable.	2019 As issues arise on publicly owned property, work is done in-house to correct the issue to the maximum extent practicable. Otherwise, corrective action is developed into a capital improvement project.	2019 Town Engineer Designee	2019 Not specified	2019 Projected: 06/30/2022	2019 2019 Harborwatch Report

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
		<p>The Town responds to post construction issues in areas with pollutants of concern as they are made aware of a specific situation.</p> <p>The Town provides funding to Harbor Watch to perform monitoring at selected areas in Town. Six locations in Town were monitored.</p>	On privately owned lands, typically a wetlands violation notice will be issued.				
	2020 Ongoing, complete for 2020	<p>2020</p> <p>Identify erosion and sediment problems in impaired waters. Develop and implement short and long term maintenance solutions to the problems as funding becomes available or use legal authority to hold property owners accountable.</p> <p>The Town responds to post construction issues in areas with pollutants of concern as they are made aware of a specific situation.</p> <p>The Town provides funding to Harbor Watch to perform monitoring at selected areas in Town. Six locations in Town were monitored.</p>	2020	2020 Town Engineer Designee	2020 Not specified	2020 Projected: 06/30/2022	2020 2020 Harborwatch Report

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
5-7 Turf reduction	2018 Ongoing, complete for 2018	2018 Section 10.2.e of the Town's Inland Wetlands and Watercourse Regulations require applicants to preserve as much of the natural buffer around wetlands and watercourses to the maximum extent practicable. Planning & Zoning and Wetlands monitors the buffer areas.	2018 Reduce areas of turf to minimize pesticide and fertilizer inputs	2018 Town Engineer Designee	2018 07/01/2018	2018 Ongoing	2018 Inland Wetlands and Watercourses Regulations
	2019 Ongoing, complete for 2019	2019 Section 10.2.e of the Town's Inland Wetlands and Watercourse Regulations require applicants to preserve as much of the natural buffer around wetlands and watercourses to the maximum extent practicable. Planning & Zoning and Wetlands monitors the buffer areas.	2019 Reduce areas of turf to minimize pesticide and fertilizer inputs	2019 Town Engineer Designee	2019 07/01/2018	2019 Ongoing	2019 Inland Wetlands and Watercourses Regulations
	2020 Ongoing, complete for 2020	2020 Section 10.2.e of the Town's Inland Wetlands and Watercourse Regulations require applicants to preserve as much of the natural buffer around wetlands and watercourses to the	2020 Reduce areas of turf to minimize pesticide and fertilizer inputs	2020 Town Engineer Designee	2020 07/01/2018	2020 Ongoing	2020 Inland Wetlands and Watercourses Regulations

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
		maximum extent practicable. Planning & Zoning and Wetlands monitors the buffer areas.					
5-8 Require consistency with the 2004 Connecticut Stormwater Quality Manual	2018 Ongoing, complete for 2018	2018 Section 7.15 of the Ridgefield Zoning Regulations requires consistency with the <i>2004 Connecticut Stormwater Quality Manual</i> .	2018 Update regulations of policies for permit application to require consistency with the 2004 Stormwater Quality Manual.	2018 Planning & Zoning	2018 07/01/2018	2018 Complete: 07/01/2017	2018 Stormwater Management Regulations (Section 7.15)
	2019 Ongoing, complete for 2019	2019 Section 7.15 of the Ridgefield Zoning Regulations requires consistency with the <i>2004 Connecticut Stormwater Quality Manual</i> .	2019 Update regulations of policies for permit application to require consistency with the 2004 Stormwater Quality Manual.	2019 Planning & Zoning	2019 07/01/2018	2019 Complete 07/01/2017	2019 Stormwater Management Regulations (Section 7.15)
	2020 Ongoing, complete for 2020	2020 Section 7.15 of the Ridgefield Zoning Regulations requires consistency with the <i>2004 Connecticut Stormwater Quality Manual</i> .	2020 Update regulations of policies for permit application to require consistency with the 2004 Stormwater Quality Manual.	2020 Planning & Zoning	2020 07/01/2018	2020 Complete: 07/01/2017	2020 Stormwater Management Regulations (Section 7.15)

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
5-9 Coordination with Local Health Department	2018 Ongoing, complete for 2018	2018 The local Health Department is included on application reviews as warranted.	2018 Continue actively coordinating with local Health Department on MS4 plan requirements	2018 Planning & Zoning	2018 07/01/2018	2018 Ongoing	
	2019 Ongoing, complete for 2019	2019 The local Health Department is included on application reviews as warranted.	2019 Update regulations of policies for permit application to require consistency with the 2004 Stormwater Quality Manual.	2019 Planning & Zoning	2019 07/01/2018	2019 Ongoing	
	2020 Ongoing, complete for 2020	2020 The local Health Department is included on application reviews as warranted.	2020 Update regulations of policies for permit application to require consistency with the 2004 Stormwater Quality Manual.	2020 Planning & Zoning	2020 07/01/2018	2020 Ongoing	

5.2 Describe any Post-Construction Stormwater Management activities planned for the next year, if applicable.

The following activities are proposed for 2022:

1. Continue enforcement of stormwater management regulations.
2. Identify public and private retention/detention ponds in priority areas.
3. Address post-construction sediment and erosion control issues as they occur.
4. Continue to encourage preservation and enhancement of natural buffers.
5. Continue to require consistency with the 2004 Stormwater Quality Manual.
6. Continue to coordinate application reviews with the local Health Department.
7. Compute baseline DCIA coverage.
8. Develop a tracking system to track turf reductions.

5.3 Post-Construction Stormwater Management reporting metrics

For details on this requirement, visit www.nemo.uconn.edu/ms4/tasks/post-construction.htm. Scroll down to the DCIA section.

Metrics	
Baseline (2012) Directly Connected Impervious Area (DCIA)	TBD
DCIA disconnected (redevelopment plus retrofits) for 2021	TBD
DCIA disconnected since 2012	TBD
Retrofit projects completed	0
DCIA disconnected for 2021	TBD %
DCIA disconnected since 2012	TBD %
Estimated cost of retrofits	\$
Detention or retention ponds identified in 2021	0
Detention or retention ponds identified since 2012	0

5.4 Briefly describe the method to be used to determine baseline DCIA.

Baseline DCIA will be determined by a consultant engaged by the Town during 2022.

6. Pollution Prevention/Good Housekeeping

Reference: (Section 6(a)(6) / page 31)

6.1 BMP Summary

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
6-1 Develop and implement formal employee training program	2018 Not complete	2018 No activity.	2018 Update training program as needed, incorporate MS4 topics into the annual training program already done as part of the Industrial Stormwater Permit.	2018 Highway Department	2018 07/01/2019	2018 Projected: 06/30/2022	
	2019 Not complete	2019 No activity.	2019 Update training program as needed, incorporate MS4 topics into the annual training program already done as part of the Industrial Stormwater Permit.	2019 Highway Department	2019 07/01/2019	2019 Projected: 06/30/2022	
	2020 Not complete	2020 No activity	2020 Update training program as needed, incorporate MS4 topics into the annual training program already done as part of the Industrial Stormwater Permit.	2020 Highway Department	2020 07/01/2019	2020 Projected: 06/30/2022	
6-2 Implement MS4 property and operations maintenance	2018 In progress	2018 The Town maintains its properties and cleans sediment and detention basins, but has not yet developed written SOPs or fully documentsd maintenance programs. Written SOPs and maintenance record	2018 Ensure the petroleum and non-petroleum products at its facilities are properly handled via employee education and training. Develop and implement (i) Spill Prevention Plans at facilities as appropriate,	2018 Highway Department	2018 07/01/2018	2018 Projected: 06/30/2022	2018 Refer to Department of Public Services memo on cleaning outfalls and channels, and drainage system

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
		<p>requirements will be formalized.</p> <p>The Fire Department no longer uses foam containing PFAS for firefighting, continuing a policy developed years ago.</p> <p>The Town's salt storage facility continues to be used, and contains an impervious floor layer to prevent mobilization of salt into the ground.</p> <p>Property operations plans will be performed in conjunction with the Facilities Director.</p> <p>The Town's Fuel Depot has a facility specific spill prevention and countermeasure plan that was developed in 2017.</p>	<p>(ii) management procedures for waste management equipment, and (iii) plans to sweep parking lots and keep facilities and their surrounding areas clean. Evaluate impacts of vehicle wash areas at public facilities, and develop best management practices to mitigate their impacts on water quality.</p>				repair, Appendix E.
	2019 In progress	<p>2019</p> <p>The Town maintains its properties and cleans sediment and detention basins, but has not yet developed written SOPs or fully documentsed maintenance programs. Written SOPs and maintenance record requirements will be formalized.</p> <p>The Fire Department no longer uses foam containing PFAS for firefighting, continuing a policy developed years ago.</p>	<p>2019</p> <p>Ensure the petroleum and non-petroleum products at its facilities are properly handled via employee education and training. Develop and implement (i) Spill Prevention Plans at facilities as appropriate, (ii) management procedures for waste management equipment, and (iii) plans to sweep parking lots and keep facilities and their surrounding areas clean. Evaluate impacts of vehicle wash areas at public facilities,</p>	<p>2019 Highway Department</p>	<p>2019 07/01/2018</p>	<p>2019 Projected: 06/30/2022</p>	<p>2019</p> <p>Refer to Department of Public Services memo on cleaning outfalls and channels, and drainage system repair, Appendix E.</p>

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
	<p>2020 In progress</p>	<p>The Town's salt storage facility continues to be used, and contains an impervious floor layer to prevent mobilization of salt into the ground.</p> <p>Property operations plans will be performed in conjunction with the Facilities Director.</p> <p>The Town's Fuel Depot has a facility specific spill prevention and countermeasure plan that was developed in 2017.</p> <p>2020 The Town maintains its properties and cleans sediment and detention basins, but has not yet developed written SOPs or fully documented maintenance programs. Written SOPs and maintenance record requirements will be formalized.</p> <p>The Fire Department no longer uses foam containing PFAS for firefighting, continuing a policy developed years ago.</p> <p>The Town's salt storage facility continues to be used, and contains an impervious floor layer to prevent mobilization of salt into the ground.</p>	<p>and develop best management practices to mitigate their impacts on water quality.</p> <p>2020 Ensure the petroleum and non-petroleum products at its facilities are properly handled via employee education and training. Develop and implement (i) Spill Prevention Plans at facilities as appropriate, (ii) management procedures for waste management equipment, and (iii) plans to sweep parking lots and keep facilities and their surrounding areas clean. Evaluate impacts of vehicle wash areas at public facilities, and develop best management practices to mitigate their impacts on water quality.</p>	<p>2020 Highway Department</p>	<p>2020 07/01/2018</p>	<p>2020 Projected: 06/30/2022</p>	<p>2020 Refer to Department of Public Services memo on cleaning outfalls and channels, and drainage system repair, Appendix E.</p>

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
		Property operations plans will be performed in conjunction with the Facilities Director. The Town's Fuel Depot has a facility specific spill prevention and countermeasure plan that was developed in 2017.					
6-3 Implement coordination with interconnected MS4s	2018 Not started	2018 No activity to report.	2018 Coordinate municipal operations with adjoining MS4s.	2018 Town Engineer Designee	2018 Not specified	2018 Projected: 12/31/2022	
	2019 Not started	2019 No activity to report.	2019 Coordinate municipal operations with adjoining MS4s.	2019 Town Engineer Designee	2019 Not specified	2019 Projected: 12/31/2022	
	2020 Not started	2020 No activity to report	2020 Coordinate municipal operations with adjoining MS4s.	2020 Town Engineer Designee	2020 Not specified	2020 Projected: 12/31/2022	
6-4 Develop and implement program to control other sources of pollutants to the MS4	2018 Not started	2018 No activity to report.	2018 Review stormwater general permit registrant list and identify potential contributing facilities not on the list. Compare locations of potential contributors to screening and monitoring results to determine if further investigation is warranted.	2018 Town Engineer Designee	2018 Not specified	2018 Projected: 12/31/2022	
	2019 Not started	2019 No activity to report.	2019 Review stormwater general permit registrant list and identify potential contributing facilities not	2019 Town Engineer Designee	2019 Not specified	2019 Projected: 12/31/2022	

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
	2020 Not started	2020 No activity to report	<p>on the list. Compare locations of potential contributors to screening and monitoring results to determine if further investigation is warranted.</p> <p>2020 Review stormwater general permit registrant list and identify potential contributing facilities not on the list. Compare locations of potential contributors to screening and monitoring results to determine if further investigation is warranted.</p>	2020 Town Engineer Designee	2020 Not specified	2020 Projected: 12/31/2022	

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
6-5 Evaluate additional measures for discharges to impaired waters*	Please refer to BMP 6-13, 6-14 and 6-15 for additional detail.						
6-6 Track projects that disconnect DCIA	2018 Not started	2018 No activity to report.	2018 Track the disconnected DCIA acreage, identifying DCIA credit eligible sites constructed within the preceding 5 years.	2018 Town Engineer Designee	2018 07/01/2017	2018 Projected: 06/30/2022	
	2019 Not started	2019 No activity to report.	2019 Track the disconnected DCIA acreage, identifying DCIA credit eligible sites constructed within the preceding 5 years.	2019 Town Engineer Designee	2019 07/01/2017	2019 Projected: 06/30/2022	
	2020 Not started	2020 No activity to report	2020 Track the disconnected DCIA acreage, identifying DCIA credit eligible sites constructed within the preceding 5 years.	2020 Town Engineer Designee	2020 07/01/2017	2020 Projected: 06/30/2022	
6-7 Implement infrastructure repair/rehab program	2018 Ongoing, complete for 2018	2018 The Town assesses capital improvement projects on a yearly basis.	2018 Prepare draft internal policy on MS4 infrastructure repair, rehabilitation, and retrofits.	2018 Town Engineer Designee	2018 07/01/2021	2018 Ongoing	
	2019 Ongoing, complete for 2019	2019 The Town assesses capital improvement projects on a yearly basis.	2019 Prepare draft internal policy on MS4 infrastructure repair,	2019 Town Engineer Designee	2019 07/01/2021	2019 Ongoing	

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
	2020 Ongoing, complete for 2020	2020 The Town assesses capital improvement projects on a yearly basis.	rehabilitation, and retrofits. 2020 Prepare draft internal policy on MS4 infrastructure repair, rehabilitation, and retrofits.	2020 Town Engineer Designee	2020 07/01/2021	2020 Ongoing	
6-8 Develop and implement plan to identify/prioritize retrofit projects	2018 Not started	2018 No activity to report.	2018 Identify required repairs based on data from previous permit and current permit, and prepare inventory. Prioritize proposed projects.	2018 Town Engineer Designee	2018 07/01/2020	2018 Projected: 06/30/2022	
	2019 Not started	2019 No activity to report.	2019 Identify required repairs based on data from previous permit and current permit, and prepare inventory. Prioritize proposed projects.	2019 Town Engineer Designee	2019 07/01/2020	2019 Projected: 06/30/2022	
	2020 Not started	2020 No activity to report	2020 Identify required repairs based on data from previous permit and current permit, and prepare inventory. Prioritize proposed projects.	2020 Town Engineer Designee	2020 07/01/2020	2020 Projected: 06/30/2022	

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
6-9 Implement retrofit projects to disconnect 2% of DCIA	2018 In Progress	2018 In the interim, as Town projects go through the design process, they are subject to stormwater review, which includes exploring disconnection opportunities. The Schlumberger site demolition removed a significant amount of DCIA. The amount will be quantified in 2022.	2018 Disconnect 2% of the Town's DCIA.	2018 Town Engineer Designee	2018 07/01/2022	2018 Projected: 06/30/2022	
	2019 In Progress	2019 In the interim, as Town projects go through the design process, they are subject to stormwater review, which includes exploring disconnection opportunities. The Schlumberger site demolition removed a significant amount of DCIA. The amount will be quantified in 2022.	2019 Disconnect 2% of the Town's DCIA.	2019 Town Engineer Designee	2019 07/01/2022	2019 Projected: 06/30/2022	
	2020 In Progress	2020 In the interim, as Town projects go through the design process, they are subject to stormwater review, which includes exploring disconnection opportunities. The Schlumberger site demolition removed a significant amount of DCIA. The amount will be quantified in 2022.	2020 Disconnect 2% of the Town's DCIA.	2020 Town Engineer Designee	2020 07/01/2022	2020 Projected: 06/30/2022	

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
6-10 Develop and implement street sweeping program	2018 Ongoing, complete for 2018	2018 The Town sweeps many of its streets yearly. Since the Town eliminated sand for winter roadway treatment, the volume of material collected has dropped significantly. The Town has an informal street sweeping program that concentrates on sensitive areas, such as roads that drain to wetlands, ponds, and streams. The specific roadways were identified in conjunction with Inland Wetlands staff, and are identified in a 2018 memorandum from the Public Services Department. Additionally, all roads scheduled for resurfacing are swept at least twice.	2018 Develop and implement a procedure for identifying targeted areas for additional street sweeping. Establish a schedule for street sweeping to ensure minimum frequency is met for areas inside and outside areas with DCIA greater than 11% and/or in the Urbanized Area. Document results of sweeping program.	2018 Highway Department	2018 Ongoing beginning 07/01/2017	2018 Ongoing	2018 Public Services Department Street Sweeping Memo, Appendix E.
	2019 Ongoing, complete for 2019	2019 The Town sweeps many of its streets yearly. Since the Town eliminated sand for winter roadway treatment, the volume of material collected has dropped significantly. The Town has an informal street sweeping program that concentrates on sensitive areas, such as roads that drain to wetlands, ponds, and streams. The specific roadways were identified in conjunction with Inland Wetlands staff, and are identified in a 2018 memorandum from the Public Services Department.	2019 Develop and implement a procedure for identifying targeted areas for additional street sweeping. Establish a schedule for street sweeping to ensure minimum frequency is met for areas inside and outside areas with DCIA greater than 11% and/or in the Urbanized Area. Document results of sweeping program.	2019 Highway Department	2019 Ongoing beginning 07/01/2017	2019 Ongoing	2019 Public Services Department Street Sweeping Memo, Appendix E.

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
	2020 Ongoing, complete for 2020	<p>Additionally, all roads scheduled for resurfacing are swept at least twice.</p> <p>2020 The Town sweeps many of its streets yearly. Since the Town eliminated sand for winter roadway treatment, the volume of material collected has dropped significantly. The Town has an informal street sweeping program that concentrates on sensitive areas, such as roads that drain to wetlands, ponds, and streams. The specific roadways were identified in conjunction with Inland Wetlands staff, and are identified in a 2018 memorandum from the Public Services Department.</p> <p>Additionally, all roads scheduled for resurfacing are swept at least twice.</p>	<p>2020 Develop and implement a procedure for identifying targeted areas for additional street sweeping. Establish a schedule for street sweeping to ensure minimum frequency is met for areas inside and outside areas with DCIA greater than 11% and/or in the Urbanized Area. Document results of sweeping program.</p>	<p>2020 Highway Department</p>	<p>2020 Ongoing beginning 07/01/2017</p>	<p>2020 Ongoing</p>	<p>2020 Public Services Department Street Sweeping Memo, Appendix E.</p>
6-11 Develop and implement catch basin cleaning program	2018 Ongoing, complete for 2018	<p>2018 The Town cycles through different areas of Town on a rotating basis, and has an unwritten policy of inspecting all catch basins when roads will be repaired, and as they are cleaned. This will be formalized as part of future training.</p>	<p>2018 Continue conducting routine cleaning of all catch basins. Track catch basin inspection observations. Develop and implement a plan for catch basin inspection and maintenance. Update the Annual Report with documentation of the Town's catch basin cleaning and maintenance process.</p>	<p>2018 Highway Department</p>	<p>2018 Ongoing beginning 07/01/2020</p>	<p>2018 Ongoing</p>	<p>2018 Public Services Department Street Catch Basin Cleaning Memo, Appendix E.</p>

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
	2019 Ongoing, complete for 2019	2019 The Town cycles through different areas of Town on a rotating basis, and has an unwritten policy of inspecting all catch basins when roads will be repaired, and as they are cleaned. This will be formalized as part of future training.	2019 Continue conducting routine cleaning of all catch basins. Track catch basin inspection observations. Develop and implement a plan for catch basin inspection and maintenance. Update the Annual Report with documentation of the Town's catch basin cleaning and maintenance process.	2019 Highway Department	2019 Ongoing beginning 07/01/2020	2019 Ongoing	2019 Public Services Department Street Catch Basin Cleaning Memo, Appendix E.
	2020 Ongoing, complete for 2019	2020 The Town cycles through different areas of Town on a rotating basis, and has an unwritten policy of inspecting all catch basins when roads will be repaired, and as they are cleaned. This will be formalized as part of future training.	2020 Continue conducting routine cleaning of all catch basins. Track catch basin inspection observations. Develop and implement a plan for catch basin inspection and maintenance. Update the Annual Report with documentation of the Town's catch basin cleaning and maintenance process.	2020 Highway Department	2020 Ongoing beginning 07/01/2020	2020 Ongoing	2020 Public Services Department Street Catch Basin Cleaning Memo, Appendix E.
6-12 Develop and implement snow management practices	2018 Ongoing	2018 The Town currently has a Snow and Ice Management policy from 2012.	2018 Develop and implement a written snow and ice management plan, including protocols for staff training and record	2018 Highway Department	2018 Ongoing beginning 07/01/2018	2018 Ongoing	2018 WestCOG Winter Maintenance Guide

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
		<p>The Town minimizes the use of sand on its roadways, and in 2018 used no sand. The Town uses magnesium chloride exclusively.</p> <p>The Town has asopted requirements from WestCOG's <i>Winter Maintenance Guide</i>.</p>	<p>maintenance and updated standard operating practices. Provide appropriate secondary containment for any exterior containers of liquid dicing materials. Update the Annual Report with required information on the snow and ice program.</p>				
	2019 Ongoing	<p>2019</p> <p>The Town currently has a Snow and Ice Management policy from 2012.</p> <p>The Town minimizes the use of sand on its roadways, and in 2019 used no sand. The Town uses magnesium chloride exclusively.</p> <p>The Town has asopted requirements from WestCOG's <i>Winter Maintenance Guide</i>.</p>	<p>2019</p> <p>Develop and implement a written snow and ice management plan, including protocols for staff training and record maintenance and updated standard operating practices. Provide appropriate secondary containment for any exterior containers of liquid dicing materials. Update the Annual Report with required information on the snow and ice program.</p>	<p>2019</p> <p>Highway Department</p>	<p>2019</p> <p>Ongoing beginning 07/01/2018</p>	<p>2019</p> <p>Ongoing</p>	<p>2019</p> <p>WestCOG Winter Maintenance Guide</p>
	2020 Ongoing	<p>2020</p> <p>The Town currently has a Snow and Ice Management policy from 2012.</p> <p>The Town minimizes the use of sand on its roadways, and in 2020 used no sand. The Town uses magnesium chloride exclusively.</p>	<p>2020</p> <p>Develop and implement a written snow and ice management plan, including protocols for staff training and record maintenance and updated standard operating practices. Provide appropriate secondary containment for any exterior</p>	<p>2020</p> <p>Highway Department</p>	<p>2020</p> <p>Ongoing beginning 07/01/2018</p>	<p>2020</p> <p>Ongoing</p>	<p>2020</p> <p>WestCOG Winter Maintenance Guide</p>

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
		The Town has adopted requirements from WestCOG's <i>Winter Maintenance Guide</i> .	containers of liquid dicing materials. Update the Annual Report with required information on the snow and ice program.				
6-13 Parks and Open Space Management	2018 Ongoing, complete for 2018	2018 The Town optimizes fertilizer use on its parks properties. Grass clippings are left in place, and leaves are collected and composted. Pesticide use is limited to select application for grub control.	2018 Continue implementing procedures for fertilizer application and disposal of grass clippings and leaves for lands that are the legal responsibility of the Town.	2018 Parks and Recreation Department	2018 07/01/18	2018 Ongoing	
	2019 Ongoing, complete for 2019	2019 The Town optimizes fertilizer use on its parks properties. Grass clippings are left in place, and leaves are collected and composted. Pesticide use is limited to select application for grub control.	2019 Continue implementing procedures for fertilizer application and disposal of grass clippings and leaves for lands that are the legal responsibility of the Town.	2019 Parks and Recreation Department	2019 07/01/2018	2019 Ongoing	
	2020 Ongoing, complete for 2020	2020 The Town optimizes fertilizer use on its parks properties. Grass clippings are left in place, and leaves are collected and composted. Pesticide use is limited to select application for grub control.	2020 Continue implementing procedures for fertilizer application and disposal of grass clippings and leaves for lands that are the legal responsibility of the Town.	2020 Parks and Recreation Department	2020 07/01/2018	2020 Ongoing	

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
6-14 Pet waste management	2018 Ongoing, complete for 2018	2018 Receptacles and collection bags are located in Town parks and in specific downtown areas. In 2018, the Town installed four freestanding units on Main Street, and six on existing trash receptacles on Main Street, and five freestanding unit on the Town's rail trail. These units are still in place and maintained.	2018 Identify locations in Town where pet waste threatens receiving water quality.	2018 Parks and Recreation Department	2018 07/01/18	2018 Ongoing	
	2019 Ongoing, complete for 2019	2019 Receptacles and collection bags are located in Town parks and in specific downtown areas. In 2019, the Town continued maintenance of four freestanding units on Main Street, and six on existing trash receptacles on Main Street, and five freestanding unit on the Town's rail trail. These units are still in place and maintained.	2019 Identify locations in Town where pet waste threatens receiving water quality.	2019 Parks and Recreation Department	2019 07/01/2018	2019 Ongoing	
	2020 Ongoing, complete for 2020	2020 Receptacles and collection bags are located in Town parks and in specific downtown areas. In 2020, the Town continued maintenance of four freestanding units on Main Street, and six on existing trash receptacles on Main Street, and five freestanding	2020 Identify locations in Town where pet waste threatens receiving water quality.	2020 Parks and Recreation Department	2020 07/01/2018	2020 Ongoing	

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
		unit on the Town's rail trail. These units are still in place and maintained.					
6-15 Waterfowl management	2018 Ongoing, complete for 2018	2018 Identify waterfowl congregation areas and determine measures to discourage waterfowl congregation.	2018 Identify waterfowl congregation areas.	2018 Parks and Recreation Department	2018 07/01/2018	2018 Ongoing	
	2019 Ongoing, complete for 2019	2019 Identify waterfowl congregation areas and determine measures to discourage waterfowl congregation.	2019 Identify waterfowl congregation areas.	2019 Parks and Recreation Department	2019 07/01/2018	2019 Ongoing	
	2020 Ongoing, complete for 2020	2020 Identify waterfowl congregation areas and determine measures to discourage waterfowl congregation.	2020 Identify waterfowl congregation areas.	2020 Parks and Recreation Department	2020 07/01/2018	2020 Ongoing	
6-16 Mitigate Stormwater Quality Impacts of Town-Owned Vehicles and Equipment	2018 Ongoing	2018 There is a wash area at the garage that includes a permitted separator.	2018 Review existing operations and maintenance procedures for Town facilities, and update if the vehicle fueling/washing provisions have not been included.	2018 Highway Department	2018 07/01/2018	2018 Ongoing	
	2019	2019 There is a wash area at the garage that includes a permitted separator.	2019 Review existing operations and maintenance procedures for Town facilities, and update if	2019 Highway Department	2019 07/01/2018	2019 Ongoing	

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
	Ongoing, complete fto 2019		the vehicle fueling/washing provisions have not been included.				
	2020 Ongoing, complete for 2020	2020 There is a wash area at the garage that includes a permitted separator.	2020 Review existing operations and maintenance procedures for Town facilities, and update if the vehicle fueling/washing provisions have not been included.	2020 Highway Department	2020 07/01/2018	2020 Ongoing	
6-17 Leaf management	2018 Ongoing, Complete for 2018	2018 The Ridgefield transfer station allows residents to drop off brush and leaves.	2018 Continue to implement Town-wide leaf disposal program	2018 Public Services Department	2018 07/01/2022	2018 Ongoing	
	2019 Ongoing, Complete for 2019	2019 The Ridgefield transfer station allows residents to drop off brush and leaves.	2019 Continue to implement Town-wide leaf disposal program	2019 Public Services Department	2019 07/01/2022	2019 Ongoing	
	2020 Ongoing, Complete for 2020	2020 The Ridgefield transfer station allows residents to drop off brush and leaves.	2020 Continue to implement Town-wide leaf disposal program	2020 Public Services Department	2020 07/01/2022	2020 Ongoing	

6.2 Describe any Pollution Prevention/Good Housekeeping activities planned for the next year, if applicable.

The following activities are planned for 2022:

1. Develop and conduct employee training program, include catch basin maintenance procedures as part of the program.
2. Develop written SOP for maintenance of Town property.
3. Identify interconnections to and from other MS4s.
4. Identify properties that may be at greater risk of contributing pollutants to MS4.
5. Develop DCIA tracking system.
6. Compute the disconnection achieved by demolition at the former Schlumberger site.
7. Refine Town's priority list of capital improvement projects as part of its five year capital plan.
8. Implement stormwater retrofits as part of larger capital improvement projects if the opportunity arises.
9. Prioritize potential retrofit projects.
10. Continue catch basin cleaning. The Public Services Department will develop written guidance and develop a spreadsheet to track metrics.
11. Document existing street sweeping plan and develop spreadsheet to track metrics.
12. Document snow and ice management practices and develop spreadsheet to track metrics.
13. Document fertilizer and pesticide use practices for Town owned properties.
14. Continue maintenance of pet waste disposal stations.
15. Review waterfowl issues around Town and determine if mitigation is warranted.
16. Review vehicle maintenance practices.
17. Continue existing leaf management policy.

6.3 Pollution Prevention/ Good Housekeeping reporting metrics

Metrics	2018	2019	2020
Employee training provided for key staff	(y/n) / date(s)		
Street sweeping			
Curb miles swept	Miles		
Volume (or mass) of material collected	lbs or tons		
Catch basin cleaning			
Total catch basins in priority areas (value will be less than or equal to total catch basins town or institution-wide)	#		
Total catch basins town- (or institution-) wide	#		

Catch basins inspected	#		
Catch basins cleaned	#		
Volume (or mass) of material removed from all catch basins	lbs or tons		
Volume removed from catch basins to impaired waters (if known)	lbs or tons		
Snow management			
Type(s) of deicing material used			
Total amount of each deicing material applied	lbs or tons		
Type(s) of deicing equipment used			
Lane-miles treated (A lane-mile is a mile of roadway in a single driving lane)	miles		
Snow disposal location			
Staff training provided on application methods & equipment	(y/n) / dates(s)		
Municipal turf management program actions (for permittee properties in basins with N/P impairments)			
Reduction in application of fertilizers (since start of permit)	lbs or %		
Reduction in turf area (since start of permit)	acres		
Lands with high potential to contribute bacteria (dog parks, parks with open water, & sites with failing septic systems)			
Cost of mitigation actions/retrofits	\$		

6.4 Catch basin cleaning program

Provide any updates or modifications to your catch basin cleaning program

The Town has a vactor truck that the Highway Department uses to clean catch basins. The Town cycles through different areas of Town on a rotating basis, and has an unwritten policy of inspecting all catch basins when roads will be repaired. The Public Services Department will develop written guidance and develop a spreadsheet to track metrics. Catch basin cleaning requirements and IDDE awareness specific to catch basins will be included in the training program.

6.5 Retrofit program

Briefly describe the Retrofit Program identification and prioritization process, the projects selected for implementation, the rationale for the selection of those projects and the total DCIA to be disconnected upon completion of each project.

The Town will engage a consultant in 2022 to develop a retrofit program that will identify potential projects and prioritize the projects.

Describe plans for continuing the Retrofit program and how to achieve a goal of 1% DCIA disconnection in future years.

The Retrofit plan will be under development in 2022. In general, the Town's policy is to make improvements to stormwater within the context of performing a larger capital project, as it would require any other land use applicant.

Describe plans for continuing the Retrofit program beyond this permit term with the goal to disconnect 1% DCIA annually over the next 5 years.

In general, the Town's policy is to make improvements to stormwater within the context of performing a larger capital project, as it would require any other land use applicant. The Town will continue enforcement of its stormwater management regulations which will require most applicants to treat a water quality volume of 1.5 inches, which will require stormwater treatment practices that disconnect impervious cover.

Part II: Impaired waters investigation and monitoring

1. Impaired waters investigation and monitoring program

For details on this requirement, visit www.nemo.uconn.edu/ms4/tasks/monitoring.htm. Refer to the yellow column of the Monitoring comparison chart and the Impaired waters monitoring flowchart.

1.1 Indicate which stormwater pollutant(s) of concern occur(s) in your municipality or institution.

This data is available on the MS4 map viewer: <http://s.uconn.edu/ctms4map>.

Nitrogen/ Phosphorus ☒ Bacteria ☒ Mercury ☐ Other Pollutant of Concern ☒

1.2 Describe program status.

Discuss 1) the status of monitoring work completed, 2) a summary of the results and any notable findings, and 3) any changes to the Stormwater Management Plan based on monitoring results.

Monitoring work was performed in 2018, and included 14 of 15 outfalls on Miry Brook, and 18 of 30 outfalls on the Titicus River. In general, bacteria exceedances were identified at nearly all of the outfalls sampled. Since these are known impaired waterbodies, the results were not unexpected, and the Town will continue with its Stormwater Management Plan.

Although not required by the Permit, the Town initiated inspections of all structures within the Downtown area to confirm that the pumps were not connected to the sanitary sewer. The goal was to reduce infiltration and inflow into the sewer system which can cause overflows..

The Town provides funding to Harbor Watch to perform monitoring at selected areas in Town. In 2021, Harbor Watch sampled five locations in Town in the Norwalk River Watershed: 787 Branchville Road, Stonehenge Road, Limestone Road, 68 Farmingville Road, and 22 South Street. The 2021 Harbor Watch Report is here: <https://earthplace.org/data-and-publications/>

The Town is in the process of a \$55 million upgrade to its District 1 WPCF that will reduce phosphorus and nitrogen loading to the Norwalk River. As part of the project, the Route 7 treatment plant will be decommissioned, and all waste will be directed to the District 1 WPCF for treatment. The potential for SSOs at the South Street Plant is also addressed by the project.

The Town also conducted sampling under the 2004 MS4 Permit.

2. Screening data for outfalls to impaired waterbodies

(Section 6(i)(1) / page 41)

2.1 Screening data

Complete the table below to report data for any wet weather sampling completed for MS4 outfalls that discharge directly to a stormwater impaired waterbody during the reporting period. For details on this requirement, visit www.nemo.uconn.edu/ms4/tasks/monitoring.htm. Refer to the

yellow column of the Monitoring comparison chart and the Impaired waters monitoring flowchart.

Each Annual Report will add on to the previous year's data showing a cumulative list of sampling data. You may also attach an excel spreadsheet with the same data rather than copying it into this table.

Entries in red exceed parameter thresholds and require follow-up.

Outfall ID	Sample date	Parameter (Nitrogen, Phosphorus, Bacteria, or Other pollutant of concern)	Results	Name of Laboratory (if used)	Follow-up required?
6601-1	06/28/18	Total Nitrogen	2.34 mg/L	Smith Environmental Lab	Yes
		Total Phosphorus	0.17 mg/L		
		E. coli	6000 CFU/100mL		
6601-2	06/28/18	Total Nitrogen	2.54 mg/L	Smith Environmental Lab	Yes
		Total Phosphorus	0.13 mg/L		
		E. coli	6000 CFU/100mL		
6601-3	06/28/18	Total Nitrogen	2.28 mg/L	Smith Environmental Lab	Yes
		Total Phosphorus	0.17 mg/L		
		E. coli	6000 CFU/100mL		
6601-4	06/28/18	Total Nitrogen	2.14 mg/L	Smith Environmental Lab	Yes
		Total Phosphorus	0.075 mg/L		
		E. coli	6000 CFU/100mL		
6601-6	06/28/18	Total Nitrogen	0.089 mg/L	Smith Environmental Lab	Yes
		Total Phosphorus	2.44 mg/L		
		E. coli	6000 CFU/100mL		
6601-7	06/28/18	Total Nitrogen	1.86 mg/L	Smith Environmental Lab	Yes
		Total Phosphorus	0.089 mg/L		
		E. coli	6000 CFU/100mL		
6601-8	06/28/18	Total Nitrogen	1.77 mg/L	Smith Environmental Lab	Yes
		Total Phosphorus	0.23 mg/L		
		E. coli	6000 CFU/100mL		
6601-9	06/28/18	Total Nitrogen	1.39 mg/L	Smith Environmental Lab	Yes
		Total Phosphorus	0.18 mg/L		
		E. coli	6000 CFU/100mL		
6601-10	06/28/18	Total Nitrogen	2.59 mg/L	Smith Environmental Lab	Yes
		Total Phosphorus	0.16 mg/L		
		E. coli	6000 CFU/100mL		
6601-11	06/28/18	Total Nitrogen	1.74 mg/L	Smith Environmental Lab	Yes
		Total Phosphorus	0.051 mg/L		
		E. coli	6000 CFU/100mL		
6601-12	06/28/18	Total Nitrogen	2.84 mg/L	Smith Environmental Lab	Yes
		Total Phosphorus	0.62 mg/L		
		E. coli	6000 CFU/100mL		

Outfall ID	Sample date	Parameter (Nitrogen, Phosphorus, Bacteria, or Other pollutant of concern)	Results	Name of Laboratory (if used)	Follow-up required?
6601-13	06/28/18	Total Nitrogen	20.3 mg/L	Smith Environmental Lab	Yes
		Total Phosphorus	0.18 mg/L		
		E. coli	6000 CFU/100mL		
6601-14	06/28/18	Total Nitrogen	3.91 mg/L	Smith Environmental Lab	Yes
		Total Phosphorus	0.41 mg/L		
		E. coli	6000 CFU/100mL		
6601-15	06/28/18	Total Nitrogen	2.33 mg/L	Smith Environmental Lab	Yes
		Total Phosphorus	0.2 mg/L		
		E. coli	6000 CFU/100mL		
7300-01-01	06/22/18	Total Nitrogen	0.66 mg/L	Smith Environmental Lab	Yes
		Total Phosphorus	0.056 mg/L		
		E. coli	600 CFU/100mL		
7300-01-02	06/22/18	Total Nitrogen	0.66 mg/L	Smith Environmental Lab	Yes
		Total Phosphorus	0.056 mg/L		
		E. coli	600 CFU/100mL		
7300-01-02	06/22/18	Total Nitrogen	3.53 mg/L	Smith Environmental Lab	Yes
		Total Phosphorus	0.049 mg/L		
		E. coli	600 CFU/100mL		
8104-01-01	06/25/18	Total Nitrogen	0.34 mg/L	Smith Environmental Lab	Yes
		Total Phosphorus	0.17 mg/L		
		E. coli	28000 CFU/100mL		
8104-01-02	06/22/18	Total Nitrogen	1.20 mg/L	Smith Environmental Lab	Yes
		Total Phosphorus	0.45 mg/L		
		E. coli	600 CFU/100mL		
8104-01-03	06/22/18	Total Nitrogen	1.63 mg/L	Smith Environmental Lab	Yes
		Total Phosphorus	0.091 mg/L		
		E. coli	600 CFU/100mL		
8104-01-06	06/22/18	Total Nitrogen	9.68 mg/L	Smith Environmental Lab	Yes
		Total Phosphorus	1.7 mg/L		
		E. coli	600 CFU/100mL		
8104-01-08	06/22/18	Total Nitrogen	2.49 mg/L	Smith Environmental Lab	Yes
		Total Phosphorus	0.059 mg/L		
		E. coli	600 CFU/100mL		
8104-01-09	06/22/18	Total Nitrogen	3.11 mg/L	Smith Environmental Lab	Yes
		Total Phosphorus	0.047 mg/L		
		E. coli	600 CFU/100mL		
8104-03-02	06/22/18	Total Nitrogen	1.63 mg/L	Smith Environmental Lab	Yes
		Total Phosphorus	0.13 mg/L		
		E. coli	600 CFU/100mL		

Outfall ID	Sample date	Parameter (Nitrogen, Phosphorus, Bacteria, or Other pollutant of concern)	Results	Name of Laboratory (if used)	Follow-up required?
8104-03-05	06/22/18	Total Nitrogen	3.74 mg/L	Smith Environmental Lab	Yes
		Total Phosphorus	0.11 mg/L		
		E. coli	<10 CFU/100mL		
8104-03-06	06/22/18	Total Nitrogen	6.95 mg/L	Smith Environmental Lab	Yes
		Total Phosphorus	1.6 mg/L		
		E. coli	600 CFU/100mL		
8104-03-07	06/25/18	Total Nitrogen	ND	Smith Environmental Lab	Yes
		Total Phosphorus	0.14 mg/L		
		E. coli	6000 CFU/100mL		
8104-03-08	06/25/18	Total Nitrogen	0.09 mg/L	Smith Environmental Lab	Yes
		Total Phosphorus	0.26 mg/L		
		E. coli	6000 CFU/100mL		
8104-03-10	06/25/18	Total Nitrogen	0.056 mg/L	Smith Environmental Lab	Yes
		Total Phosphorus	0.11 mg/L		
		E. coli	6000 CFU/100mL		
8104-03-11	06/25/18	Total Nitrogen	2.87 mg/L	Smith Environmental Lab	Yes
		Total Phosphorus	0.10 mg/L		
		E. coli	6000 CFU/100mL		
8104-04-12	06/25/18	Total Nitrogen	6.91 mg/L	Smith Environmental Lab	Yes
		Total Phosphorus	0.11 mg/L		
		E. coli	35000 CFU/100mL		
8104-04-14	06/25/18	Total Nitrogen	7.31 mg/L	Smith Environmental Lab	Yes
		Total Phosphorus	1.00 mg/L		
		E. coli	31000 CFU/100mL		
8104-04-16	06/25/18	Total Nitrogen	2.11 mg/L	Smith Environmental Lab	Yes
		Total Phosphorus	0.56 mg/L		
		E. coli	22000 CFU/100mL		

2.2 Credit for screening data collected under 2004 permit

If any outfalls to impaired waters were sampled under the 2004 MS4 permit, that data can count towards the monitoring requirements under the modified 2017 MS4 permit. Complete the table below to record sampling data for any outfalls to impaired waters under the 2004 MS4 permit.

Outfall ID	Sample date	Parameter (Nitrogen, Phosphorus, Bacteria, or Other pollutant of concern)	Results	Name of Laboratory (if used)	Follow-up required?	Outfall ID

*Follow-up investigation required (last column) if the following pollutant thresholds are exceeded:

Pollutant of concern	Pollutant threshold
Nitrogen	Total N > 2.5 mg/l
Phosphorus	Total P > 0.3 mg/l
Bacteria (fresh waterbody)	<ul style="list-style-type: none"> E. coli > 235 col/100ml for swimming areas or 410 col/100ml for all others Total Coliform > 500 col/100ml
Bacteria (salt waterbody)	<ul style="list-style-type: none"> Fecal Coliform > 31 col/100ml for Class SA and > 260 col/100ml for Class SB Enterococci > 104 col/100ml for swimming areas or 500 col/100 for all others
Other pollutants of concern	Sample turbidity is 5 NTU > in-stream sample

3. Follow-up investigations

(Section 6(i)(1)(D) / page 43)

Provide the following information for outfalls exceeding the pollutant threshold.

Outfall	Status of drainage area investigation	Control measure implementation to address impairment
6601-1		
6601-2		
6601-3		
6601-4		
6601-6		
6601-7		
6601-8		
6601-9		

Outfall	Status of drainage area investigation	Control measure implementation to address impairment
6601-10		
6601-11		
6601-12		
6601-13		
6601-14		
6601-15		
7300-01-01		
7300-01-02		
7300-01-02		
8104-01-01		
8104-01-02		
8104-01-03		
8104-01-06		
8104-01-08		
8104-01-09		
8104-03-02		
8104-03-05		
8104-03-06		
8104-03-07		
8104-03-08		
8104-03-10		
8104-03-11		
8104-04-12		
8104-04-14		
8104-04-16		

4. Prioritized outfall monitoring

(Section 6(i)(1)(D) / page 43)

Once outfall sampling has been completed for at least 50% of outfalls to impaired waters, identify 6 of the highest contributors of any pollutants of concern. Begin monitoring these outfalls on an annual basis by July 1, 2020.

Outfall	Sample Date	Parameter(s)	Results	Name of Laboratory (if used)

Part III: Additional IDDE Program Data

1. Assessment and Priority Ranking of Catchments data

(Appendix B (A)(7)(c) / page 5)

Provide a list of all catchments with ranking results (DEEP basins may be used instead of manual catchment delineations).

1. Catchment ID (DEEP Basin ID)	2. Category	3. Rank
7300-00-2-R3	High Priority	1
7300-00-2-R4	High Priority	2
7300-00-2-R5	High Priority	3
6601-00-2-R2	High Priority	4
6601-00-1	High Priority	5
6601-01-1	High Priority	6
8105-01-1-L3	High Priority	7
7300-02-1-L2	High Priority	8
7300-02-1-L2	High Priority	9
8104-00-2-L5	High Priority	10
8104-00-1-L2	High Priority	11
8100-00-1-L3	High Priority	12
8104-00-2-R1	High Priority	13
8104-02-2-R1	High Priority	14
8104-00-3-R1	High Priority	15
7300-00-2-L3	Low Priority	13

1. Catchment ID (DEEP Basin ID)	2. Category	3. Rank
8104-01-1-L1	High Priority	16
8104-00-2-L4	High Priority	17
8104-00-1	High Priority	18
7300-00-1-L1	Low Priority	1
7200-00-1-L2	Low Priority	2
8105-00-1-L1	Low Priority	3
7300-07-1*	Low Priority	4
7300-06-1	Low Priority	5
7301-02-1-L1	Low Priority	6
7301-02-1-L2	Low Priority	7
7300-02-1-L2	Low Priority	8
7300-02-1	Low Priority	9
7300-001-1	Low Priority	10
7300-00-2-L2	Low Priority	11
7300-00-2-R1	Low Priority	12
7200-00-1-L3	Low Priority	30

1. Catchment ID (DEEP Basin ID)	2. Category	3. Rank
7300-04-1	Low Priority	14
7300-00-2-R2	Low Priority	15
8104-00-1-L1	Low Priority	16
6601-01-1-L1	Low Priority	17
7300-00-2-R3	Low Priority	18
7200-03-1-L3	Low Priority	19
7300-03-1	Low Priority	20
7300-01-1	Low Priority	21
7300-02-1-L1	Low Priority	22
6600-01-1-L2	Low Priority	23
6600-01-1-L1	Low Priority	24
8804-02-1	Low Priority	25
8104-03-1	Low Priority	26
6601-02-1	Low Priority	27
7200-00-1-L3	Low Priority	28
7200-01-1	Low Priority	29

1. Catchment ID (DEEP Basin ID)	2. Category	3. Rank
7200-00-1*	Low Priority	31
7200-02-1	Low Priority	32
7200-02-1-L1	Low Priority	33
7200-01-1-L1	Low Priority	34
8104-01-01	Low Priority	35
8105-00-1	Low Priority	36
8105-01-1-L1	Low Priority	37
7400-00-1-L1	Low Priority	38
7301-01-1	Low Priority	39
7302-04-1	Low Priority	40
7302-05-01	Low Priority	41
7302-02-1	Low Priority	42
7302-01-2-L1	Low Priority	43
7300-07-1-L1	Low Priority	44
7300-07-1-L2	Low Priority	45
6601-03-1	Low Priority	46

2. Outfall and Interconnection Screening and Sampling data

(Appendix B (A)(7)(d) / page 7)

2.1 Dry weather screening and sampling data from outfalls and interconnections

For details on this requirement, visit www.nemo.uconn.edu/ms4/tasks/monitoring.htm. Refer to the blue column of the Monitoring comparison chart and the IDDE baseline monitoring flowchart.

Provide sample data for outfalls where flow is observed. Only include Pollutant of concern data for outfalls that discharge into stormwater impaired waterbodies. You may also attach an excel spreadsheet with the same data rather than copying it into this table.

Outfall / Interconnection ID	Screening / sample date	Ammonia	Chlorine	Conductivity	Salinity	E. coli or enterococcus	Surfactants	Water Temp	Pollutant of concern	If required, follow-up actions taken
------------------------------	-------------------------	---------	----------	--------------	----------	-------------------------	-------------	------------	----------------------	--------------------------------------

2.2 Wet weather sample and inspection data

For details on this requirement, visit www.nemo.uconn.edu/ms4/tasks/monitoring.htm. Refer to the green column of the Monitoring comparison chart and the IDDE catchment investigation flowchart.

Provide sample data for outfalls and key junction manholes of any catchment area with at least one System Vulnerability Factor. You may also attach an excel spreadsheet with the same data rather than copying it to this table.

Outfall / Interconnection ID	Sample date	Ammonia mg/L	Chlorine mg/L	Conductivity µmhos/cm	Salinity ppt	E. coli or Enterococcus CFU/100mL	Surfactants mg/L	Water Temp	Pollutant of concern
6601-1	06/28/18	0	0	416	0.14	6000	<0.05	65 °F	Nitrogen, Bacteria, Phosphorus
6601-2	06/28/18	0	0	355	0.17	6000	0.09	68 °F	Nitrogen, Bacteria, Phosphorus
6601-3	06/28/18	0	0	310	0.15	6000	0.06	69 °F	Nitrogen, Bacteria, Phosphorus
6601-4	06/28/18	0	0	570	0.28	6000	<0.05	65 °F	Nitrogen, Bacteria, Phosphorus
6601-6	06/28/18	0	0	569	0.28	6000	<0.05	68 °F	Nitrogen, Bacteria, Phosphorus
6601-7	06/28/18	0	0	2000	1.00	6000	0.22	69 °F	Nitrogen, Bacteria, Phosphorus
6601-8	06/28/18	0	0	437	0.21	6000	<0.05	69 °F	Nitrogen, Bacteria, Phosphorus
6601-9	06/28/18	0	0	438	0.22	6000	0.06	67 °F	Nitrogen, Bacteria, Phosphorus
6601-10	06/28/18	0	0	172	0.09	6000	<0.05	63 °F	Nitrogen, Bacteria, Phosphorus

Outfall / Interconnection ID	Sample date	Ammonia mg/L	Chlorine mg/L	Conductivity µmhos/cm	Salinity ppt	E. coli or Enterococcus CFU/100mL	Surfactants mg/L	Water Temp	Pollutant of concern
6601-11	06/28/18	0	0	222	0.11	6000	0.08	68 °F	Nitrogen, Bacteria, Phosphorus
6601-12	06/28/18	0	0	443	0.22	6000	0.07	65 °F	Nitrogen, Bacteria, Phosphorus
6601-13	06/28/18	0	0	236	0.12	6000	0.06	68 °F	Nitrogen, Bacteria, Phosphorus
6601-14	06/28/18	0	0	629	0.31	6000	<0.05	66 °F	Nitrogen, Bacteria, Phosphorus
6601-15	06/28/18	0	0	360	0.17	6000	0.09	65 °F	Nitrogen, Bacteria, Phosphorus
7300-01-01	06/22/18	0	0	1907	0.95	600	0.08	63 °F	Nitrogen, Bacteria, Phosphorus
7300-01-02	06/22/18	0	0	712	0.36	600	0.10	62 °F	Nitrogen, Bacteria, Phosphorus
8104-01-01	06/25/18	0	0	1130	0.57	28000	0.08	65 °F	Nitrogen, Bacteria, Phosphorus
8104-01-02	06/22/18	0	0	463	0.24	600	0.05	65 °F	Nitrogen, Bacteria, Phosphorus
8104-01-03	06/22/18	0	0	1348	0.68	600	<0.05	66 °F	Nitrogen, Bacteria, Phosphorus
8104-01-06	06/22/18	0	0	1361	0.69	600	0.14	63 °F	Nitrogen, Bacteria, Phosphorus
8104-01-08	06/22/18	0	0	757	0.38	600	0.07	66 °F	Nitrogen, Bacteria, Phosphorus
8104-01-09	06/22/18	0	0	774	0.39	600	0.05	66 °F	Nitrogen, Bacteria, Phosphorus
8104-03-02	06/22/18	0	0	538	0.28	600	<0.05	65 °F	Nitrogen, Bacteria, Phosphorus
8104-03-05	06/22/18	0	0	710	0.35	<10	0.06	62 °F	Nitrogen, Bacteria, Phosphorus
8104-03-06	06/22/18	1	0	621	0.31	600	0.06	63 °F	Nitrogen, Bacteria, Phosphorus
8104-03-07	06/25/18	0	0	181.4	0.09	6000	<0.05	63 °F	Nitrogen, Bacteria, Phosphorus
8104-03-08	06/25/18	0	0	401	0.2	6000	0.06	66 °F	Nitrogen, Bacteria, Phosphorus
8104-03-10	06/25/18	0	0	470	0.23	6000	0.05	65 °F	Nitrogen, Bacteria, Phosphorus
8104-03-11	06/25/18	0	0	304	0.16	6000	<0.05	63 °F	Nitrogen, Bacteria, Phosphorus

Outfall / Interconnection ID	Sample date	Ammonia mg/L	Chlorine mg/L	Conductivity µmhos/cm	Salinity ppt	E. coli or Enterococcus CFU/100mL	Surfactants mg/L	Water Temp	Pollutant of concern
8104-03-12	06/25/18	0	0	380	0.19	35000	<0.05	64 °F	Nitrogen, Bacteria, Phosphorus
8104-03-14	06/25/18	1.00	0	245.00	0.12	31000	<0.05	64 °F	Nitrogen, Bacteria, Phosphorus
8104-03-16	06/25/18	0.50	0	278.00	0.14	22000	0.08	65 °F	Nitrogen, Bacteria, Phosphorus

3. Catchment Investigation data

(Appendix B (A)(7)(e) / page 9)

For details on this requirement, visit www.nemo.uconn.edu/ms4/tasks/monitoring.htm. Refer to the green column of the Monitoring comparison chart and the IDDE catchment investigation flowchart.

3.1 System Vulnerability Factor Summary

For those catchments being investigated for illicit discharges (i.e. categorized as high priority, low priority, or problem) document the presence or absence of System Vulnerability Factors (SVF). If present, report which SVF's were identified. An example is provided below.

Outfall ID	Receiving Water	System Vulnerability Factors

Where SVFs are:

1. History of SSOs, including, but not limited to, those resulting from wet weather, high water table, or fat/oil/grease blockages.
2. Sewer pump/lift stations, siphons, or known sanitary sewer restrictions where power/equipment failures or blockages could readily result in SSOs.
3. Inadequate sanitary sewer level of service (LOS) resulting in regular surcharging, customer back-ups, or frequent customer complaints.
4. Common or twin-invert manholes serving storm and sanitary sewer alignments.
5. Common trench construction serving both storm and sanitary sewer alignments.
6. Crossings of storm and sanitary sewer alignments.
7. Sanitary sewer alignments known or suspected to have been constructed with an underdrain system;

8. Sanitary sewer infrastructure defects such as leaking service laterals, cracked, broken, or offset sanitary infrastructure, directly piped connections between storm drain and sanitary sewer infrastructure, or other vulnerability factors identified through Inflow/Infiltration Analyses, Sanitary Sewer Evaluation Surveys, or other infrastructure investigations.
9. Areas formerly served by combined sewer systems.
10. Any sanitary sewer and storm drain infrastructure greater than 40 years old in medium and densely developed areas.
11. Widespread code-required septic system upgrades required at property transfers (indicative of inadequate soils, water table separation, or other physical constraints of the area rather than poor owner maintenance).
12. History of multiple local health department or sanitarian actions addressing widespread septic system failures (indicative of inadequate soils, water table separation, or other physical constraints of the area rather than poor owner maintenance).

3.2 Key junction manhole dry weather screening and sampling data

Key Junction Manhole ID	Screening / Sample date	Visual/ olfactory evidence of illicit discharge	Ammonia	Chlorine	Surfactants

3.3 Wet weather investigation outfall sampling data

Outfall ID	Sample date	Ammonia	Chlorine	Surfactants

3.4 Data for each illicit discharge source confirmed through the catchment investigation procedure

Discharge location	Source location	Discharge description	Method of discovery	Date of discovery	Date of elimination	Mitigation or enforcement action	Estimated volume of flow removed

Part IV: Certification

"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."

Chief Elected Official or Principal Executive Officer	Document Prepared by
Print name: Rudolph P. Marconi, First Selectman Town of Ridgefield	Print name: Joseph Canas, PE, LEED AP, CFM, Principal Engineer Tighe & Bond
Signature / Date:	Signature / Date:
Email: selectman@ridgefieldct.org	Email: jacanas@tighebond.com

EXCERPTS FROM TYPICAL RESOLUTIONS ADOPTED BY PLANNING AND ZONING COMMISSION (SPECIAL PERMIT) AND/OR INLAND WETLANDS BOARD (SUMMARY RULING OR PLENARY RULING)

1. Prior to the commencement of any activity permitted under the approval of this Special Permit, all erosion and sediment control measures shall be installed in accordance with approved plans and specifications and under the terms and conditions of this approval, with strict adherence to the *2002 Connecticut Guidelines for Soil Erosion and Sediment Control*, DEP Bulletin 34. Erosion and sediment control measures shall remain in place until all work is complete and the site is fully stabilized.
 - a. The Applicant shall notify the Town of Ridgefield Zoning Enforcement Officer of the installation of erosion and sediment measures, so that an inspection can be done prior to commencement of work.
 - b. The Town of Ridgefield Planning and Zoning Department staff shall reserve the right to require additional erosion and sediment control measures as needed throughout the construction process.
 - c. As required under the *2002 Connecticut Guidelines for Soil Erosion and Sediment Control*, DEP Bulletin 34, the erosion and sediment control measures shall be inspected, cleaned and repaired after each significant storm event (1/2" of rain or greater).
2. Prior to the issuance of a Zoning Permit, the Applicant shall file a stormwater maintenance agreement with the Town Clerk of the Town of Ridgefield.
3. Upon completion of the excavation, grading and filling, the Applicant shall seed and mulch or otherwise landscape all disturbed soils to provide long-term stabilization of the site.

Typical Resolution Conditions Concerning Stormwater Management

(4) If, after an inspection is made pursuant to this Agreement and the Town or the Commission determine that the Owner has failed to comply with the aforesaid conditions, then the Commission shall give written notice of said determination to the respective Owner, which notice shall also specify the said failure. Said notice shall be sent by registered or certified mail to the last known address of said Owner. If the Owner disputes the claim, it shall give written notice thereof to the Commission within ten (10) days of receipt of said notice, and the Commission shall hold a hearing as promptly as possible to decide the merits of the disputed claim. If the claim is not disputed within said ten (10) days, the owner shall have thirty (30) days from the receipt of said notice to correct said failure, unless it is impossible to cure said defect within said time, in which case, the necessary repairs shall be immediately commenced and diligently pursued to completion within a reasonable time.

(5) If the Owner does not remedy its noncompliance within the time frame herein stated, the Town of Ridgefield may proceed to cure the same and charge the actual cost thereof to the Owner.

(6) The Owner, for itself, its successors and/ or assigns, agrees to reimburse the Town of Ridgefield and/ or the Commission for legal fees and court costs if it becomes necessary for the Town of Ridgefield and/ or the Commission to sue for reimbursement of same expended by the Town of Ridgefield and/ or the Commission in performance of Owner's obligations and the Town of Ridgefield and/ or the Commission has prevailed in such suit.

(7) Owner agrees that this Agreement shall apply to and run with the land. It shall be binding on all future owners, administrators, executors, successors and assigns.

(8) The Owner hereby represents to the Town that it is the Owner, in fee simple, of the subject property.

(9) Owner agrees that this Agreement shall be recorded on the land records at the Owner's expense prior to the issuance of a zoning permit.

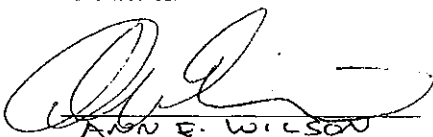
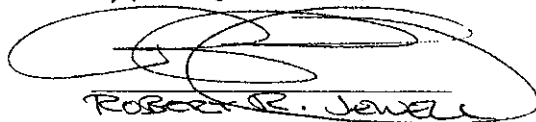
(10) Owner agrees not to assert the invalidity of this document.

(11) Owner agrees that nothing herein shall be construed to be a limitation upon the right of the Town and/ or Commission to assert and enforce any rights it may have under federal, state or town statute, ordinance or regulation.


(12) This Agreement shall be governed by the laws of the State of Connecticut.

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 22 day of September, 2016.

Signed and Sealed in the
Presence of:


ANN E. WILSON

ROBERT E. JEWELL

THE KEELER TAVERN PRESERVATION
SOCIETY, INC.

By 
HILDEGARD GROB,
EXEC. DIRECTOR

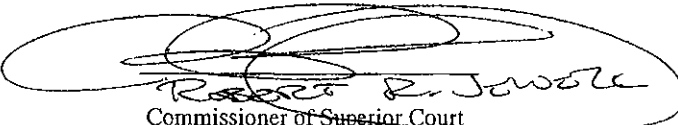
STATE OF CONNECTICUT)

) ss. Ridgefield

September 22, 2016

COUNTY OF FAIRFIELD)

Personally appeared ~~HILDA CLOS~~ *HILDA CLOS*, duly authorized ~~EXEC DIR~~ *EXEC DIR* of
THE KEELER TAVERN PRESERVATION SOCIETY, INC., a non-stock corporation,
signer and sealer of the foregoing instrument and acknowledged the same to be his free act
and deed in such capacity, before me.


Robert R. Jowle
Commissioner of Superior Court
~~Notary Public~~

SCHEDULE "A" (continued)

ALL THOSE certain premises, together with the buildings and improvements thereon, situated in the Town of Ridgefield, County of Fairfield and State of Connecticut comprising in area 1.112 acres, as shown upon a certain map entitled, "Map Prepared for Julia Post Bastedo, Ridgefield, Connecticut" certified "Substantially Correct" Karl Gregory, P.E. & L.S. #3580 (Conn.) New Canaan, Conn., Aug. 21, 1956, which map is on file as Map No. 1573 and in accordance with which map said premises are bounded:

Northerly - by Kent Lane;
Easterly and Southerly - by land now or formerly of Emily Finch Gilbert; and
Westerly - by Main Street.

Said premises are also shown on a certain map entitled "Map Prepared for Robert E. Mead, Ridgefield, Connecticut, Total Area = 1.112 Acres, Scale 1" = 40'" which map was certified substantially correct by John R. O'Brien, July 27, 1971 which was recorded as Map No. 4882 of the Ridgefield Land Records.

Together with terms of an easement for ingress and egress from Carl Lecher Inc. dated October 14, 1975 and recorded in Volume 205 at Page 68 of the Ridgefield Land Records.

Received for Record at Ridgefield, CT
On 09/23/2016 At 9:14:43 am

Richard S. Phipps
Town Clerk

PLEASE RECORD THIS DOCUMENT AND RETURN IT TO:
DONNELLY, MCNAMARA & GUSTAFSON, P.C.
P.O. Box 2006
150 DANBURY ROAD
RIDGEFIELD, CT 06877

Doc ID: 001386350007 Type: LAN
BK 999 PG 212-218

DRAINAGE STRUCTURE MAINTENANCE AGREEMENT

THIS AGREEMENT ("Agreement") made this 25th day of April, 2014, by and between ELMS INN, INCORPORATED, a corporation organized and existing under the laws of the State of Connecticut and having its principal office at 500 Main Street Ridgefield, Connecticut 06877 (the "Owner") and THE TOWN OF RIDGEFIELD, a municipal corporation organized under the laws of the State of Connecticut and having its municipal offices at 400 Main Street, Ridgefield, Connecticut 06877 (the "Town").

WITNESSETH

WHEREAS, the Owner is the owner of the real property and improvements located at 500 Main Street, Ridgefield, Connecticut and being more particularly described in Schedule "A" attached hereto and made part hereof (the "Premises"):

WHEREAS, the Ridgefield Planning and Zoning Commission (the "Commission") approved an application for a Special Permit #2013-061-REZ-A-PR-SP for a sixteen (16) unit residential development and related site work as evidenced by a Resolution of Approval dated November 6, 2013 and the Inland-Wetlands Board approved a Plenary Ruling Application #2013-061-REZ-A-PR-SP for the development, including remediation and improvements to wetlands and upland areas (the "Approvals"), which Approvals are incorporated herein by reference; and

WHEREAS, the conditions of the Approvals require, *inter alia*, that the Owner enter into a Maintenance Agreement with the Town of Ridgefield for the maintenance of the storm water management systems and related drainage structures, including pervious pavers within the roadways and driveways to be constructed on the Premises and any pipes connecting these structures (hereinafter referred to as "Drainage Structures"), which are shown on certain plans (hereinafter referred to as the "Plan") on file in the office of the Planning and Zoning Commission and Inland Wetlands Board of the Town of Ridgefield;

NOW THEREFORE, for and in consideration of Ten Dollars (\$10.00) and other good and valuable consideration, receipt of which is hereby acknowledged by the Owner, it is hereby agreed as follows:

- (1) The Owner, its successors and/ or assigns improve the shall construct the improvements on the Premises in accordance with the specifications and details outlined on the Plan, including all Drainage Structures (for the purposes of the following provisions, the term "Owner" shall at all times mean the respective owner of the separate parcels comprising the Premises at the time of each occurrence).
- (2) The Owner shall perform routine maintenance of the Drainage Structures, including periodic cleaning, in accordance with the conditions of approval and the specifications described in the maintenance schedule attached hereto as "Schedule "B" and made part hereof.
- (3) The Owner grants the Town of Ridgefield and its Planning and Zoning Commission, their agents and employees, the right to enter the Premises at all reasonable times for the purpose of inspecting the Drainage Structures to determine if Owner is in compliance with this Agreement.
- (4) If, after an inspection is made pursuant to this Agreement and the Town or the

Commission determine that the Owner has failed to comply with the aforesaid conditions, then the Commission shall give written notice of said determination to the Owner, which notice shall also specify the said failure. Said notice shall be sent by registered or certified mail to the last known address of the Owner. If the Owner disputes the claim, it shall give written notice thereof to the Planning and Zoning Commission within ten (10) days of receipt of said notice, and the Planning and Zoning Commission shall hold a hearing as promptly as possible to decide the merits of the disputed claim. If the claim is not disputed within said ten (10) days, the owner shall have thirty (30) days from the receipt of said notice to correct said failure, unless it is impossible to cure said defect within said time, in which case, the necessary repairs shall be immediately commenced and diligently pursued to completion within a reasonable time.

(5) If the said failure is not remedied within the time frame herein stated, the Town of Ridgefield may proceed to cure the same and charge the actual cost thereof to the Owner.

(6) The Owner, on behalf of itself, its successors or assigns, agrees to reimburse the Town of Ridgefield and/ or the Planning and Zoning Commission for legal fees and court costs if it becomes necessary for the Town of Ridgefield and/ or the Planning and Zoning Commission to sue for reimbursement of same expended by the Town of Ridgefield and/ or the Planning and Zoning Commission in performance of Owner's obligations and the Town of Ridgefield and/ or the Planning and Zoning Commission has prevailed in such suit.

(7) Owner agrees that this Agreement shall apply to and run with the land. It shall be binding on all future owners, administrators, executors, successors and assigns.

(8) The Owner hereby represents to the Town that it is the Owner, in fee simple, of the subject property.

(9) Owner agrees that this Agreement, shall be recorded on the land records at the Owner's expense at the time that a zoning permit is issued.

(10) Owner agrees not to assert the invalidity of this document.

(11) Owner agrees that nothing herein shall be construed to be a limitation upon the right of the Town and/ or Commission to assert and enforce any rights it may have under federal, state or town statute, ordinance or regulation.

(12) This Agreement shall be governed by the laws of the State of Connecticut.

IN WITNESS WHEREOF, the said parties hereto have hereunto set their hands and seals, the day and year first above written.

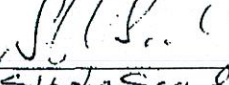
IN WITNESS WHEREOF, I have hereunto set my hand and seal this 28 day of April, 2014.

Signed and Sealed in the
Presence of:


ANNA WILSON

ROBERT R. JONES

ELMS INN INCORPORATED


Stephen Scudder,
Pres.

April 25, 2014

)

Am El

ARIN E. WILSON
NOTARY PUBLIC
My Commission Expires October 31, 2018

Schedule "A" (Legal Description)

ALL THAT CERTAIN piece or parcel of land, with the buildings and improvements thereon, situated in the Town of Ridgefield, County of Fairfield and State of Connecticut as shown on a certain map entitled "Map Prepared For The Elms Inn Incorporated Ridgefield, Connecticut Total Area = 2.670 Acres R-'A' Residence Zone" Certified "Substantially Correct" by Robert M. Henrici, L.S. Henricis' New Canaan, Ridgefield & Bethel, Conn. July 20, 1981, Revised Nov. 5 1982, which map is on file in the office of the Town Clerk of Ridgefield as Map No. 6707.

SUBJECT TO:

1. Any and all provisions of any ordinance, municipal regulation or public or private law, including but not limited to zoning, planning and subdivision regulations of said Town.
2. Taxes to the Town of Ridgefield on the List of October 1, 1999 and subsequent lists, the current installment being paid and the next installment being not yet due and payable.
3. Sewer use charges due to the Town of Ridgefield, the current installment being paid and the next installment being not yet due and payable.

SCHEDULE "B"

LONG TERM MAINTENANCE PROCEDURES CATCH BASINS, SWEEPING, HYDRODYNAMIC SEPARATOR WETLAND ENHANCEMENT AREAS AND PERMEABLE PAVERS

500 Main Street
Ridgefield, Connecticut

Inspection of the catch basins, hydrodynamic separator, wetland enhancement areas and permeable pavers shall generally be performed on a semi-annual basis. More frequent inspections shall occur if sediment levels are deemed to be excessive by the town or CCA, after major storm events and after any type of spill.

The inspector shall keep a permanent log of inspections including any noted sediment levels, accumulation of oils, date of inspection, notation of any irregularities, name of contractor, etc.

CATCH BASINS:

- Monthly monitoring for the first year of a new installation after the site has been stabilized shall occur. After the first year, semi-annual inspections shall generally be performed.
- It is best to schedule maintenance based on the solids collected in the sump. Optimally, the structure should be cleaned when the sump is half full.
- Maintenance is best achieved with a vacuum truck.

The requirements for disposal of materials removed from the basins are similar to that of any other BMP. Disposal should be by a Connecticut licensed waste management company and discharged to a Connecticut DEP approved location.

SWEEPING:

All parking areas, sidewalks and driveways and other impervious surfaces (except roofs) are swept clean of sand, litter and any other possible pollutants at least twice a year as described below, and at other times as may be necessary.

- Once between November 14 and December 15 (i.e., after leaf fall)
- Once during the month of April (i.e., after snow melt)

HYDRODYNAMIC SEPARATORS:

Inspection of the hydrodynamic separator units shall generally be performed on a semi-annual basis. More frequent inspections shall occur if sediment levels are deemed to be excessive by the town or CCA, after major storm events and after any type of spill.

SCHEDULE "B"

Maintenance of the hydrodynamic separator type units is performed using vacuum and/or pumping trucks. This industry is a well-established sector of the service industry that cleans tanks, sewers and catch basins. The use of a vacuum or pumping truck and hose will allow maintenance personnel to pump the unit while the truck is parked on the paved parking lot, thereby not disturbing the adjacent areas.

The hydrodynamic separator unit shall be sized based on the Water Quality Flow calculations attached to the Drainage Report. The suggested timing for the yearly cleaning is the spring of each year. Based on the accumulated sediment levels the cleaning and monitoring schedule may be adjusted accordingly but not less than once per year.

The requirements for disposal of materials removed from the unit are similar to that of any other BMP. Disposal should be by a Connecticut licensed waste management company and discharged to a Connecticut DEP approved location.

WETLAND ENHANCEMENT AREAS (WEA):

Maintenance of the WEA will include removing by hand shoveling of any visible accumulated sediment on a semi-annual basis. Also, excessive litter should be removed and disposed of in an appropriate location. The WEA is to be heavily vegetated and will not require maintenance other than replacing any plantings that have not taken and mowing. Mowing shall take place once a year during the growing season. To avoid the creation of ruts and compaction and lead to poor drainage, mowing should be performed when the ground is hard. As specified in the erosion control plan the WEA will be constructed in phase 5 when the majority of the site is complete and is fully vegetated.

Outlet riprap shall be inspected for condition and repaired or replaced as needed.

Minor erosion shall be repaired and the area replanted in accordance with the plans. Should major erosion occur within the swale the inspector shall notify the inland wetland enforcement officer. Repairs shall be performed as specified thereafter.

The requirements for disposal of materials removed from the WEA are similar to that of any other BMP. Disposal should be by a Connecticut licensed waste management company and discharged to a Connecticut DEP approved location.

PERMEABLE PAVERS:

The key element for maintaining permeable pavers is protecting the voids that allow stormwater to infiltrate into the soil. Maintenance of the permeable pavers includes the following:

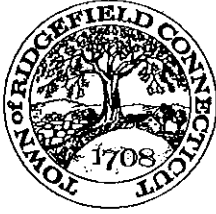
- Do not allow landscapers to dump materials on surface.
- Mulch, topsoil and yard debris should never be placed or stored on the surface
- Prevent erosion from landscaping or adjacent properties from running directly onto the surface.

SCHEDULE "B"

- Do not allow unfiltered runoff from impervious surfaces to drain onto the surface.
- Sweep or blow off lawn and leaf debris after each visit from the landscaper or lawn care maintenance staff.
- Vacuum clean the surface in late November after leaf fall and in April after snow melt.
- During the winter, do not sand the surface. Lightly use salt to melt black ice.
- If slow draining or runoff is observed, then regenerate the 3/8" chip stone in the joints. This can be accomplished by vacuuming with high suction (14,000 cubic feet per minute) the existing chip stone and then replenish with new aggregate material to the "lip" of paver.

Received for Record at Ridgefield, CT
On 04/28/2014 At 1:15:00 pm

Barbara S. Phillips
TOWN CLERK



TOWN OF RIDGEFIELD
PLANNING AND ZONING DEPARTMENT
Town Hall Annex, 66 Prospect Street, Ridgefield, CT 06877
Phone: (203) 431-2766 Fax: (203) 431-2737

The Pre-Application Review Process

A pre-application review meeting is a formal review of an application by the Town's various departments (Planning & Zoning, Health, Highway, Fire, Conservation, etc.), at which meeting their comments and recommendations are made. The pre-application review meeting is typically scheduled within 14 to 21 days after the submission of **twelve (12)*** sets of plans to the Planning and Zoning/Inland Wetlands Department (**no application form or corresponding fees are submitted at this time**). During that two to three week period, plans are reviewed by the departments, and the applicant and/or his representatives are informed of their comments and recommendations at the "pre-app" meeting. The applicant may then make changes to the plan and submit revisions, along with the application form/letter, fees and paperwork to the Planning & Zoning/Inland Wetlands Department for formal acceptance by the Commission/Board.

The pre-application review process has proven to be beneficial to the applicant in helping to expedite an application by addressing potential problems and offering recommendations, prior to formal acceptance of the application by the Commission/ Board. However, **participation in the pre-app process is entirely voluntary** and the applicant may request to forego this procedure and have the application submitted directly to the Commission/Board.

**In some cases, additional sets may be needed. Consultation with P&Z Department is recommended in advance of submission.*

Formal Acceptance Procedures

A complete special permit, subdivision or re-subdivision application must be submitted to the Planning and Zoning Department **no later than one week prior to the regularly scheduled Commission/Board meeting at which the applicant wishes the application to be formally accepted**. The Planning Director may recommend the submission of additional information when, in his/her judgment, that information will assist the Commission/Board in arriving at a decision.

After formal acceptance, a public hearing will be scheduled within 65 days of the receipt of the application. **All special permits, re-subdivisions and most subdivisions require public hearings**. Upon completion of the public hearing, the Commission/Board has sixty-five (65) days to act on the application. In the case in which a public hearing is not required, the Commission/Board has sixty-five (65) days to act on an application after formal acceptance.

Storm Water Phase II - DPS

1) Street Sweeping

In the spring, as soon as winter weather ends, we begin sweeping town roads to remove sand from watershed areas, in particular Mamasasco Lake, Fox Hill Lake, Twin Ridge area, Hidden Lake, Mimosa area, etc., as well as the town center, public schools, municipal lots and railroad station.

By late April or early May, we employ the services of a private contractor to assist in the annual sweeping of the entire town (approximately 360 lane miles of road).

We employ one water truck to pre-wet dry road surfaces and minimize airborne dust. We follow with 2 sweepers, one to "cut gutters" and the second to "clean up". Any debris is loaded into a Mack truck, hauled back to our yard to be recycled by mixing with clean fill, screening, and using in backfilling operations associated with our road paving program.

In addition, we perform gutter cutting and sweeping a second time on roads scheduled for overlay.

2) Basin and Pipe Cleaning

As soon as temperatures recover to 40°, we put our vacuor truck into service. Again, we begin by cleaning silt from catch basins, and flushing pipes, in the watershed areas and in areas where there is outfall into ponds and streams.

We then proceed to the roads on our paving list for the current year, followed by our regular routine maintenance in the rest of town.

Please note, that with concern over health risks related to the spread of the West Nile Virus, the Town Health Department "seeds" all 4,000+ basins in June with "traps" for mosquito larvae. At that time our regular maintenance program must end and does not resume until we get authorization from the Health Dept. in the fall. During this period, we can only perform emergency work related to flooding conditions. Once we are allowed to resume our routine work, we continue as late into the fall as temperatures permit.

3) Channelization / Dredging

During the course of the summer months, we excavate to recover siltation from the mouth of discharge pipes, from plunge pools, from drainage channels and from local ponds.

The recovered material is de-watered on site. The final disposition of the material is dependent upon the location of the source.

Contractors may sometimes be employed if the town lacks the proper equipment or manpower for a particular project.

4) Drainage Installation / Repair

We annually carry out a routine program of drainage installation and/or maintenance. The bulk of new installation takes place on roads scheduled for overlay. Repair or replacement of existing drainage is performed throughout town as necessary.

An example of basin repair might go as follows: a call is received from a resident alerting us to a situation where a basin appears to be "sinking" lower into the pavement. The information is recorded on a request/complaint form and passed on to one of our foremen. An investigation is performed and we find that one of our block and cement construction sumps is in need of repair. A work order is written and a crew is dispatched. The basin top is removed, block is reset or replaced, the basin is recemented and the top re-installed. The date of completion and names of crew are noted on the work order and it is closed out.

5) Resident Input / Communication / Recordkeeping

In all of the above areas, we rely very heavily on input from residents and businesses in town. We have a small staff responsible for over 480 roads, so communication with residents is essential for us in locating areas which may need attention. Our department investigates any call we receive, and work orders are written to perform any necessary work (see attached samples). Hard copy printouts and computer databases are maintained.

6) Litter

The town sponsors several programs designed to prevent litter or hazardous materials from finding their way into the local water system.

A) Adopt-a-Street – this program encourages residents, businesses, or organizations to adopt a street in their neighborhood and collect roadside litter on a routine basis, which is then collected and disposed of by the Highway Department crews. We currently have approximately 40 such areas in town.

B) Rid Litter Day – each spring the town and civic organizations sponsor a day to collect litter all around town, to be picked up by Highway and Parks Dept. staff and disposed of at the Transfer Station and Recycling Center. Annually 2 to 3 tons of material is collected.

C) Hazmat Day – once a year, in the fall, five area towns under the auspices of the HRRA, hold a Hazardous Materials Collection Day allowing residents to dispose of chemicals, paints, and other potential pollutants.

D) Waste Oil – twice each year, the town holds Waste Motor Oil Collection Days. A licensed environmental contractor is employed to work with Highway Department staff accepting used motor oil from residents.