Notice of Intent (NOI) for coverage under Small MS4 General Permit

Part I: General Conditions

General Information

Name of Municipality or Organization: Town of Charlton State: MA

EPA NPDES Permit Number (if applicable): MAR041100

Primary MS4 Program Manager Contact Information

Name: Todd Gira rd Title: Conservation Commission Agent

Street Address Line 1: 37 Main Street

Street Address Line 2:

City: Charlton State: MA Zip Code: 01507

Email: todd.girard@townofcharlton.net Phone Number: (508) 248-2247

Fax Number:

Other Information

Stormwater Management Program (SWMP) Location (web address or physical location, if already completed): Town of Charlton.net

Eligibility Determination

Endangered Species Act (ESA) Determination Complete? Yes

Eligibility Criteria (check all that apply): ☐ A ☐ B ☒ C

National Historic Preservation Act (NHPA) Determination Complete? Yes

Eligibility Criteria (check all that apply): ☒ A ☐ B ☐ C

☑ Check the box if your municipality or organization was covered under the 2003 MS4 General Permit

MS4 Infrastructure (if covered under the 2003 permit)

Estimated Percent of Outfall Map Complete? *(Part II, III, IV or V, Subpart B.3.(a.) of 2003 permit)* 100%

If 100% of 2003 requirements not met, enter an estimated date of completion (MM/DD/YY):

Web address where MS4 map is published:

If outfall map is unavailable on the internet an electronic or paper copy of the outfall map must be included with NOI submission (see section V for submission options)

Regulatory Authorities (if covered under the 2003 permit)

Illicit Discharge Detection and Elimination (IDDE) Authority Adopted? *(Part II, III, IV or V, Subpart B.3.(b.) of 2003 permit)* Yes

Effective Date or Estimated Date of Adoption (MM/DD/YY):

Construction/Erosion and Sediment Control (ESC) Authority Adopted? *(Part II,III,IV or V, Subpart B.4.(a.) of 2003 permit)* Yes

Effective Date or Estimated Date of Adoption (MM/DD/YY):

Post- Construction Stormwater Management Adopted? *(Part II, III, IV or V, Subpart B.5.(a.) of 2003 permit)* Yes

Effective Date or Estimated Date of Adoption (MM/DD/YY):

Notice of Intent (NOI) for coverage under Small MS4 General Permit

Part II: Summary of Receiving Waters

Please list the waterbody segments to which your MS4 discharges. For each waterbody segment, please report the number of outfalls discharging into it and, if applicable, any impairments.

Massachusetts list of impaired waters: *Massachusetts 2014 List of Impaired Waters-* http://www.mass.gov/eea/docs/dep/water/resources/07v5/14list2.pdf

Check off relevant pollutants for discharges to impaired waterbodies (see above 303(d) lists) without an approved TMDL in accordance with part 2.2.2.a of the permit. List any other pollutants in the last column, if applicable.

Waterbody segment that receives flow from the MS4	Number of outfalls into receiving water segment	Chloride	Chlorophyll-a	Dissolved Oxygen/ DO Saturation	Nitrogen	Oil & Grease/ PAH	Phosphorus	Solids/ TSS/ Turbidity	E. coli	Enterococcus	Other pollutant(s) causing impairments
Cady Brook (41-06)	3	☐	☐	☐	☐	☐	☐	☐	☐	☐	Nutrient/Eutrophication Biological Indicators, Low flow alterations
Unnamed trib to Cady Brook (-06) crossing at approx 130 Harrington Rd	1	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Unnamed trib to Cady Brook (-06) from Prindle Lake	1	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Granite Reservoir (42019)	2	☐	☐	☐	☐	☐	☐	☐	☐	☐	Aquatic Plants (Macrophytes), Non-Native Aquatic Plants
Unnamed trib to Granite Reservoir crossing Daniels Rd south of East Ln	1	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Unnamed trib to Granite Reservoir crossing Daniels Rd south of Faith Dr	1	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Unnamed trib to Granite Reservoir crossing Partridge Hill Rd	1	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Pierpoint Meadow Pond (42043)	2	☐	☐	☐	☐	☐	☐	☐	☐	☐	Aquatic Plants (Macrophytes), Non-Native Aquatic Plants
Potters Brook (42-20)		☐	☐	☐	☐	☐	☐	☐	☐	☐	
Buffum Pond (42004)		☐	☐	☐	☐	☐	☐	☐	☐	☐	Non-Native Aquatic Plants
Unnamed trib to Buffum Pond crossing Old Oxford Rd		☐	☐	☐	☐	☐	☐	☐	☐	☐	
Unnamed trib to Buffum Pond crossing Dolge Ct		☐	☐	☐	☐	☐	☐	☐	☐	☐	
Cady Brook (41-05)	4	☐	☐	☐	☐	☐	☐	☐	☒	☐	Ambient Bioassays -- Chronic Aquatic Toxicity, Low flow alterations
Glen Echo Lake (41017)	10	☐	☐	☒	☐	☐	☐	☐	☐	☐	
Unnamed trib to Cady Brook (-05) crossing Stafford St	1	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Unnamed trib to Cady Brook (-05) crossing City Depot Rd	1	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Unnamed trib to Cady Brook (-05) crossing South Sturbridge Rd and Brookfield Rd	2	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Wetland complex along Center Depot Rd	20	☐	☐	☐	☐	☐	☐	☐	☐	☐	

Waterbody segment that receives flow from the MS4	Number of outfalls into receiving water segment	Chloride	Chlorophyll-a	Dissolved Oxygen/ DO Saturation	Nitrogen	Oil & Grease/ PAH	Phosphorus	Solids/ TSS/ Turbidity	E. coli	Enterococcus	Other pollutant(s) causing impairments
Unnamed trib to Glen Echo Lake from Railroad Pond	1	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Unnamed trib to Glen Echo Lake crossing North Sturbridge Rd	1	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Pratt Brook	1	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Cranberry Meadow Pond (36040)	2	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Cranberry River (36-20)		☐	☐	☐	☐	☐	☐	☐	☐	☐	
Unnamed trib to Pikes Pond behind Westbound Charlton Service Area	1	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Unnamed trib to Pikes Pond crossing Stafford St from Snow Pond and Little Nugget Lake	1	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Unnamed trib to Pikes Pond crossing Dodge Road	1	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Unnamed trib to Little River crossing Meadow Ln	1	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Unnamed trib to Little River crossing I-90	1	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Unnamed trib to French River crossing Stafford St and Merriam Rd	1	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Unnamed trib to Rochdale Pond crossing Stafford St near Jaynes Way	1	☐	☐	☐	☐	☐	☐	☐	☐	☐	
		☐	☐	☐	☐	☐	☐	☐	☐	☐	
		☐	☐	☐	☐	☐	☐	☐	☐	☐	
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Click to lengthen table

Notice of Intent (NOI) for coverage under Small MS4 General Permit

Part III: Stormwater Management Program Summary

Identify the Best Management Practices (BMPs) that will be employed to address each of the six Minimum Control Measures (MCMs). For municipalities/organizations whose MS4 discharges into a receiving water with an approved Total Maximum Daily Load (TMDL) and an applicable waste load allocation (WLA), identify any additional BMPs employed to specifically support the achievement of the WLA in the TMDL section at the end of part III.

For each MCM, list each existing or proposed BMP by category and provide a brief description, responsible parties/departments, measurable goals, and the year the BMP will be employed (public education and outreach BMPs also requires a target audience). **Use the drop-down menus in each table or enter your own text to override the drop down menu.**

MCM 1: Public Education and Outreach

BMP Media/Category (enter your own text to override the drop down menu)	**BMP Description**	**Targeted Audience**	**Responsible Department/Parties** (enter your own text to override the drop down menu)	**Measurable Goal**	**Beginning Year of BMP Imple-mentation**
School Curricula/Programs	Stormwater What you can do as a citizen	Residents	Conservation / Storm Water Dept.	Eduction of middle/ high school students reduction of impacts through proper stormwater management	2018
Local Public Service Announcements	Stormwater Management for Small Businesses	Businesses, Institutions and Commercial Facilities	Conservation / Storm Water Dept.	Stencil Campaign for on-site stormwater structures	2019
Web Page / Videos	Stormwater Management for Developers	Developers (construction)	Conservation / Storm Water Dept.	Site management for stormwater control	2020
Web Page / Videos	Stormwater Management for Industry	Industrial Facilities	Conservation / Storm Water Dept.	Stencil Campaign for on-site stormwater structures	2021
Web Page / Videos	Be A Beneficial Lake Effect: Protecting Your Lake or Pond from Stormwater Pollution	Residents	Conservation / Storm Water Dept.	Eduction of middle/ high school students reduction of impacts to local waters through proper stormwater management Stencil Campaign	2019

Web Page / Videos	Pollution Prevention for Business	Businesses, Institutions and Commercial Facilities	Conservation / Storm Water Dept.	P2 Campaign to reduce impacts on stormwater providing BMP resource materials	2020
Web Page / Videos	Pollution Prevention for Developers	Developers (construction)	Conservation / Storm Water Dept.	P2 Campaign to reduce impacts on stormwater providing BMP resource materials	2021
Web Page / Videos	Pollution Prevention for Industry	Industrial Facilities	Conservation / Storm Water Dept.	P2 Campaign to reduce impacts on stormwater providing BMP resource materials	2022

Notice of Intent (NOI) for coverage under Small MS4 General Permit

Part III: Stormwater Management Program Summary (continued)

MCM 2: Public Involvement and Participation

BMP Categorization	Brief BMP Description (enter your own text to override the drop down menu)	Responsible Department/Parties (enter your own text to override the drop down menu)	Additional Description/ Measurable Goal	Beginning Year of BMP Imple-mentation
Public Review	SWMP Review	Conservation / Storm Water Dept.	Allow annual review of stormwater management plan and posting of stormwater management plan on website	2018
Public Participation	Stormwater Committee/Task Force	Conservation / Storm Water Dept.	Allow public to comment on stormwater management plan annually	2018
Public Participation	Public Meeting - Stormwater	Conservation / Storm Water Dept.	Allow public to comment on stormwater management plan	2018
Public Participation	Public Surveys - Opinions, behaviors, etc.	Conservation / Storm Water Dept.	Allow public to comment on stormwater management plan	2019
Public Participation	Partnership - Business/Industry	Conservation / Storm Water Dept.	Stormwater for business / industry/ development	2019
Public Participation	Catch Basin Stenciling/Markers	Conservation / Storm Water Dept.	Reduce Impacts to local waters residents	2019
Public Review	Stormwater controls for development	Conservation / Storm Water Dept.	Construction Site Management	2020
Public Review	Infoline - general stormwater info	Conservation / Storm Water Dept.	Site management for stormwater control	2020
Public Review	Infoline - general stormwater info	Conservation / Storm Water Dept.	P2 campaign BMP resources for business	2020
Public Review	Infoline - general stormwater info	Conservation / Storm Water Dept.	P2 campaign BMP resources	2021
Public Participation	Catch Basin Stenciling/Markers	Conservation / Storm Water Dept.	Reduce Impacts to local waters residents	2021
Public Participation	Infoline - general stormwater info	Conservation / Storm Water Dept.	P2 campaign BMP resources for Industry	2022
Public Participation	Infoline - general stormwater info	Conservation / Storm Water Dept.	P2 campaign Industry BMP resources	2022

Notice of Intent (NOI) for coverage under Small MS4 General Permit

Part III: Stormwater Management Program Summary (continued)

MCM 3: Illicit Discharge Detection and Elimination (IDDE)

BMP Categorization (enter your own text to override the drop down menu)	**BMP Description**	**Responsible Department/Parties** (enter your own text to override the drop down menu)	**Measurable Goal** (all text can be overwritten)	**Beginning Year of BMP Imple-mentation**
SSO inventory	Develop SSO inventory in accordance of permit conditions	Conservation / Storm Water Dept.	Complete within 1 year of effective date of permit	2019
Storm sewer system map	Create map and update during IDDE program completion	Conservation / Storm Water Dept.	Update map within 2 years of effective date of permit and complete full system map 10 years after effective date of permit	2019
Written IDDE program	Create written IDDE program	Conservation / Sewer Water Dept.	Complete within 1 year of the effective date of permit and update as required	2019
Implement IDDE program	Implement catchment investigations according to program and permit conditions	Conservation / Sewer Water Dept. / Highway Dept	Complete 10 years after effective date of permit	2020
Employee training	Train employees on IDDE implementation	Conservation / Sewer Water Dept. / Highway Dept	Train annually	2018
Conduct dry weather screening	Conduct in accordance with outfall screening procedure and permit conditions	Conservation / Sewer Water Dept. / Highway Dept	Complete 3 years after effective date of permit	2019
Conduct wet weather screening	Conduct in accordance with outfall screening procedure	Conservation / Sewer Water Dept. / Highway Dept	Complete 10 years after effective date of permit	2020
Ongoing screening	Conduct dry weather and wet weather screening (as necessary)	Conservation / Sewer Water Dept. / Highway Dept	Complete ongoing outfall screening upon completion of IDDE program	2021

Notice of Intent (NOI) for coverage under Small MS4 General Permit

Part III: Stormwater Management Program Summary (continued)

MCM 4: Construction Site Stormwater Runoff Control

BMP Categorization (enter your own text to override the drop down menu or entered text)	**BMP Description**	**Responsible Department/Parties** (enter your own text to override the drop down menu)	**Measurable Goal** (all text can be overwritten)	**Beginning Year of BMP Imple-mentation**
Site inspection and enforcement of Erosion and Sediment Control (ESC) measures	Complete written procedures of site inspections and enforcement procedures	Conservation / Storm Water Dept.	Complete within 1 year of the effective date of permit	2019
Site plan review	Complete written procedures of site plan review and begin implementation	Planning/zoning Department / Code Enforcement / Conservation / Storm Water	Complete within 1 year of the effective date of permit	2019
Erosion and Sediment Control	Adoption of requirements for construction operators to implement a sediment and erosion control program	Conservation / Storm Water Dept.	Complete within 1 year of the effective date of permit	2019
Waste Control	Adoption of requirements to control wastes, including but not limited to, discarded building materials, concrete truck wash out, chemicals, litter, and sanitary wastes	Health Department / Code Enforcement / Conservation / Storm Water Dept.	Complete within 1 year of the effective date of permit	2019

Notice of Intent (NOI) for coverage under Small MS4 General Permit

Part III: Stormwater Management Program Summary (continued)

MCM 5: Post-Construction Stormwater Management in New Development and Redevelopment

BMP Categorization (enter your own text to override the drop down menu or entered text)	**BMP Description**	**Responsible Department/Parties** (enter your own text to override the drop down menu)	**Measurable Goal** (all text can be overwritten)	**Beginning Year of BMP Imple-mentation**
As-built plans for on-site stormwater control	The procedures to require submission of as-built drawings and ensure long term operation and maintenance will be a part of the SWMP	Planning/zoning Department / Code Enforcement / Conservation / Storm Water	Require submission of as-built plans for completed projects	2019
Target properties to reduce impervious areas	Identify at least 5 permittee-owned properties that could be modified or retrofitted with BMPs to reduce impervious areas and update annually	Planning/zoning Department / Code Enforcement / Conservation / Storm Water	Complete 4 years after effective date of permit and report annually on retrofitted properties	2022
Allow green infrastructure	Develop a report assessing existing local regulations to determine the feasibility of making green infrastructure practices allowable when appropriate site conditions exist	Planning/zoning Department / Code Enforcement / Conservation / Storm Water	Complete 4 years after effective date of permit and implement recommendations of report	2022
Street design and parking lot guidelines	Develop a report assessing requirements that affect the creation of impervious cover. The assessment will help determine if changes to design standards for streets and parking lots can be modified to support low impact design options.	Planning/zoning Department / Code Enforcement / Conservation / Storm Water	Complete 4 years after effective date of permit and implement recommendations of report	2022

Ensure any stormwater controls or management practices for new development and redevelopment meet the retention or treatment requirements of the permit and all applicable requirements of the Massachusetts Stormwater Handbook	Adoption, amendment, or modification of a regulatory mechanism to meet permit requirements	Planning/zoning Department / Code Enforcement / Conservation / Storm Water	Complete 2 years after effective date of permit	2020

Notice of Intent (NOI) for coverage under Small MS4 General Permit

Part III: Stormwater Management Program Summary (continued)

MCM 6: Municipal Good Housekeeping and Pollution Prevention

BMP Categorization (enter your own text to override the drop down menu or entered text)	**BMP Description**	**Responsible Department/Parties** (enter your own text to override the drop down menu)	**Measurable Goal** (all text can be overwritten)	**Beginning Year of BMP Imple-mentation**
O&M procedures	Create written O&M procedures including all requirements contained in 2.3.7.a.ii for parks and open spaces, buildings and facilities, and vehicles and equipment	Planning/zoning Department / Code Enforcement / Conservation / Sto	Complete and implement 2 years after effective date of permit	2020
Inventory all permittee-owned parks and open spaces, buildings and facilities, and vehicles and equipment	Create inventory	Planning/zoning Department / Code Enforcement / Conservation / Sto	Complete 2 years after effective date of permit and implement annually	2019
Infrastructure O&M	Establish and implement program for repair and rehabilitation of MS4 infrastructure	Planning/zoning Department / Code Enforcement / Conservation / Sto	Complete 2 years after effective date of permit	2019
Stormwater Pollution Prevention Plan (SWPPP)	Create SWPPPs for maintenance garages, transfer stations, and other waste-handling facilities	Planning/zoning Department / Code Enforcement / Conservation / Sto	Complete and implement 2 years after effective date of permit	2018
Catch basin cleaning	Establish schedule for catch basin cleaning such that each catch basin is no more than 50% full and clean catch basins on that schedule	DPW Operations	Clean catch basins on established schedule and report number of catch basins cleaned and volume of material moved annually	2017
Street sweeping program	Sweep all streets and permitee-owned parking lots in accordance with permit conditions	DPW Operations	Sweep all streets and permitee-owned parking lots once per year in the spring	2017
Road salt use optimization program	Establish and implement a program to minimize the use of road salt	DPW Operations	Implement salt use optimization during deicing season	2017

Inspections and maitenance of stormwater treatment structures	Establish and implement inspection and maitenance procedures and frequencies	Planning/zoning Department / Code Enforcement / Conservation / Sto	Inspect and maintain treatment structures at least annually	2020

Notice of Intent (NOI) for coverage under Small MS4 General Permit

Part III: Stormwater Management Program Summary (continued)

Actions for Meeting Total Maximum Daily Load (TMDL) Requirements

Use the drop-down menus to select the applicable TMDL, action description to meet the TMDL requirements, and the responsible department/parties. If no options are applicable, or more than one, **enter your own text to override drop-down menus.**

Applicable TMDL	Action Description	Responsible Department/Parties (enter your own text to override the drop down menu)
French Basin Lakes (Phosphorus)	Adhere to requirements in part A.II of Appendix F	Conservation / Storm Water Dept.

Notice of Intent (NOI) for coverage under Small MS4 General Permit

Part III: Stormwater Management Program Summary (continued)

Actions for Meeting Requirements Related to Water Quality Limited Waters

Use the drop-down menus to select the pollutant causing the water quality limitation and enter the waterbody ID(s) experiencing excursions above water quality standards for that pollutant. Choose the action description from the dropdown menu and indicate the responsible party. If no options are applicable, or more than one, **enter your own text to override drop-down menus.**

Pollutant	Waterbody ID(s)	Action Description	Responsible Department/Parties (enter your own text to override the drop down menu)
Fecal Coliform	Cady Brook (41-05)	Adhere to requirements in part III of Appendix H	Conservation / Storm Water Dept.

Part IV: Notes and additional information

Use the space below to indicate the part(s) of 2.2.1and 2.2.2 that you have identified as not applicable to your MS4 because you do not discharge to the impaired water body or a tributary to an impaired water body due to nitrogen or phosphorus. Provide all supporting documentation below or attach additional documents if necessary.
Also, provide any additional information about your MS4 program below.

Click to add text

Notice of Intent (NOI) for coverage under Small MS4 General Permit

Part V: Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, I certify that the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

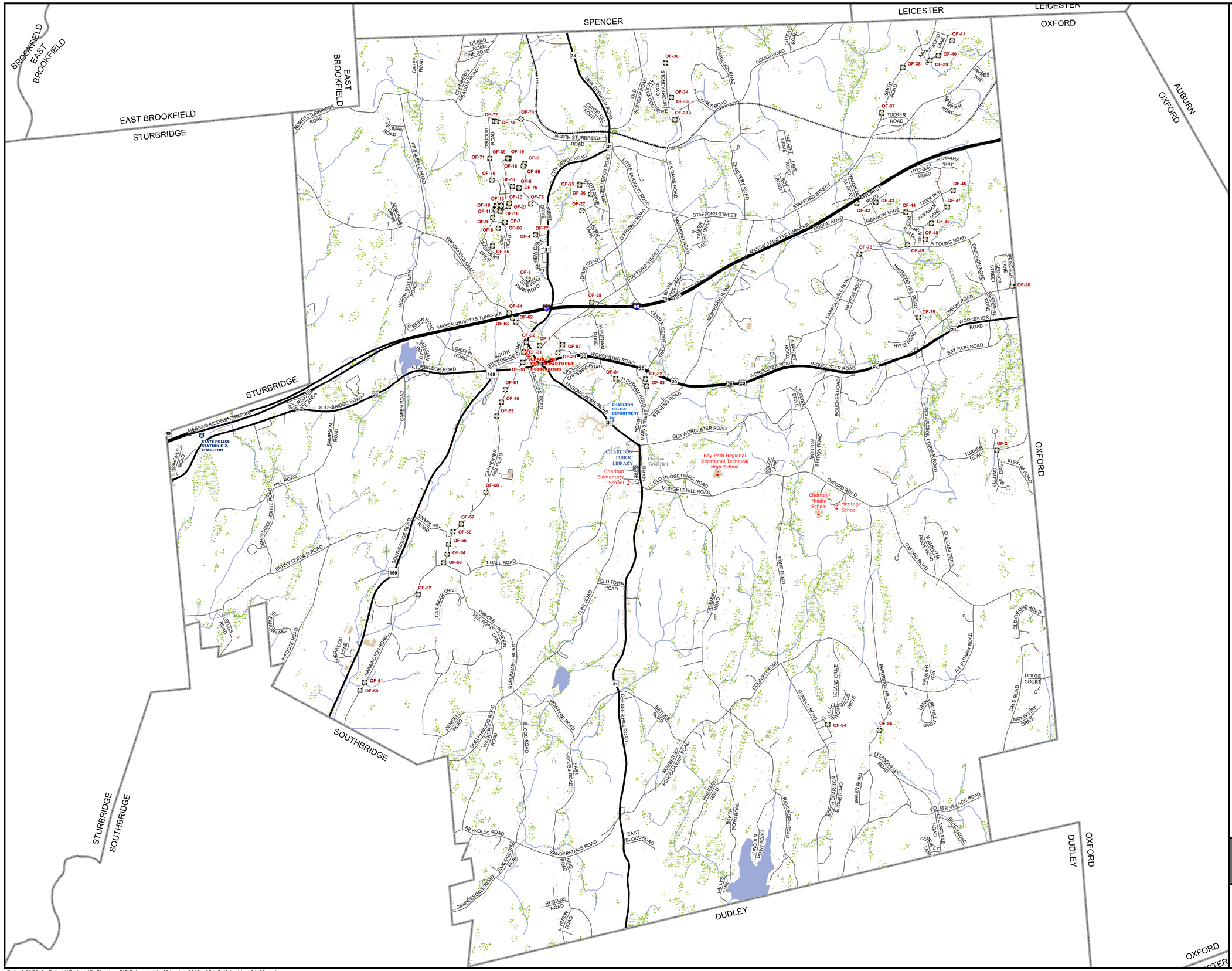
Name:	Todd Girard	Title:	Conservation Agent
Signature:	todd girard Digitally signed by todd girard Date: 2018.10.01 11:54:20 -04'00'	Date:	10/01/18

[To be signed according to Appendix B, Subparagraph B.11, Standard Conditions]

Note: When prompted during signing, save the document under a new file name

Stormwater Infrastructure Map

TOWN OF CHARLTON
MASSACHUSETTS



LEGEND

- Discharge Point
- Town Boundary
- Structures
- Railroad
- Water Bodies
- Streams
- Wetlands
- Fire Stations
- Libraries
- Local Police
- State Police
- Public
- Town and City Halls

FOR PLANNING PURPOSES ONLY

THIS MAP IS FOR ASSESSMENT PURPOSES. IT IS NOT TO BE USED FOR LEGAL DESCRIPTION OR CONVEYANCE.

PRODUCED BY

C M R P C
Central Massachusetts Regional Planning Commission

ONE MERCANTILE STREET
SUITE 520
WORCESTER, MA 01608

N
W E
S

1 in = 0.35 miles

0.35 0.175 0 0.35 Miles

Date: 6/25/2019 Path: H:\Projects\O_Charlton_GIS\Subprojects\m054_misc_2019\m054_Outfalls_Map_24x36.mxd

Notice of Intent (NOI) for coverage under Small MS4 General Permit

Part I: General Conditions

General Information

Name of Municipality or Organization: Town of Charlton State: MA

EPA NPDES Permit Number (if applicable): MAR041100

Primary MS4 Program Manager Contact Information

Name: Todd Gira rd Title: Conservation Commission Agent

Street Address Line 1: 37 Main Street

Street Address Line 2:

City: Charlton State: MA Zip Code: 01507

Email: todd.girard@townofcharlton.net Phone Number: (508) 248-2247

Fax Number:

Other Information

Stormwater Management Program (SWMP) Location (web address or physical location, if already completed): Town of Charlton.net

Eligibility Determination

Endangered Species Act (ESA) Determination Complete? Yes

Eligibility Criteria (check all that apply): ☐ A ☐ B ☒ C

National Historic Preservation Act (NHPA) Determination Complete? Yes

Eligibility Criteria (check all that apply): ☒ A ☐ B ☐ C

☑ Check the box if your municipality or organization was covered under the 2003 MS4 General Permit

MS4 Infrastructure (if covered under the 2003 permit)

Estimated Percent of Outfall Map Complete? *(Part II, III, IV or V, Subpart B.3.(a.) of 2003 permit)* 100%

If 100% of 2003 requirements not met, enter an estimated date of completion (MM/DD/YY):

Web address where MS4 map is published:

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Illicit Discharge Detection and Elimination (IDDE) Authority Adopted? *(Part II, III, IV or V, Subpart B.3.(b.) of 2003 permit)* Yes

Effective Date or Estimated Date of Adoption (MM/DD/YY):

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Effective Date or Estimated Date of Adoption (MM/DD/YY):

Post- Construction Stormwater Management Adopted? *(Part II, III, IV or V, Subpart B.5.(a.) of 2003 permit)* Yes

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Check off relevant pollutants for discharges to impaired waterbodies (see above 303(d) lists) without an approved TMDL in accordance with part 2.2.2.a of the permit. List any other pollutants in the last column, if applicable.

Waterbody segment that receives flow from the MS4	Number of outfalls into receiving water segment	Chloride	Chlorophyll-a	Dissolved Oxygen/ DO Saturation	Nitrogen	Oil & Grease/ PAH	Phosphorus	Solids/ TSS/ Turbidity	E. coli	Enterococcus	Other pollutant(s) causing impairments
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Unnamed trib to Cady Brook (-06) from Prindle Lake	1	☐	☐	☐	☐	☐	☒	☐	☐	☐	
Granite Reservoir (42019)	2	☐	☐	☐	☐	☐	☒	☐	☐	☐	Aquatic Plants (Macrophytes), Non-Native Aquatic Plants
Unnamed trib to Granite Reservoir crossing Daniels Rd south of East Ln	1	☐	☐	☐	☐	☐	☒	☐	☐	☐	
Unnamed trib to Granite Reservoir crossing Daniels Rd south of Faith Dr	1	☐	☐	☐	☐	☐	☒	☐	☐	☐	
Unnamed trib to Granite Reservoir crossing Partridge Hill Rd	1	☐	☐	☐	☐	☐	☒	☐	☐	☐	
Pierpoint Meadow Pond (42043)	2	☐	☐	☐	☐	☐	☒	☐	☐	☐	Aquatic Plants (Macrophytes), Non-Native Aquatic Plants
Potters Brook (42-20)		☐	☐	☐	☐	☐	☒	☐	☐	☐	
Buffum Pond (42004)		☐	☐	☐	☐	☐	☒	☐	☐	☐	Non-Native Aquatic Plants
Unnamed trib to Buffum Pond crossing Old Oxford Rd		☐	☐	☐	☐	☐	☐	☐	☐	☐	
Unnamed trib to Buffum Pond crossing Dolge Ct		☐	☐	☐	☐	☐	☐	☐	☐	☐	
Cady Brook (41-05)	4	☐	☐	☐	☐	☐	☐	☐	☒	☐	Ambient Bioassays – Chronic Aquatic Toxicity, Low flow alterations
Glen Echo Lake (41017)	10	☐	☐	☒	☐	☐	☒	☐	☐	☐	
Unnamed trib to Cady Brook (-05) crossing Stafford St	1	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Unnamed trib to Cady Brook (-05) crossing City Depot Rd	1	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Unnamed trib to Cady Brook (-05) crossing South Sturbridge Rd and Brookfield Rd	2	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Wetland complex along Center Depot Rd	20	☐	☐	☐	☐	☐	☐	☐	☐	☐	

Waterbody segment that receives flow from the MS4	Number of outfalls into receiving water segment	Chloride	Chlorophyll-a	Dissolved Oxygen/ DO Saturation	Nitrogen	Oil & Grease/ PAH	Phosphorus	Solids/ TSS/ Turbidity	E. coli	Enterococcus	Other pollutant(s) causing impairments
Unnamed trib to Glen Echo Lake from Railroad Pond	1	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Unnamed trib to Glen Echo Lake crossing North Sturbridge Rd	1	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Pratt Brook	1	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Cranberry Meadow Pond (36040)	2	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Cranberry River (36-20)		☐	☐	☐	☐	☐	☐	☐	☐	☐	
Unnamed trib to Pikes Pond behind Westbound Charlton Service Area	1	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Unnamed trib to Pikes Pond crossing Stafford St from Snow Pond and Little Nugget Lake	1	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Unnamed trib to Pikes Pond crossing Dodge Road	1	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Unnamed trib to Little River crossing Meadow Ln	1	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Unnamed trib to Little River crossing I-90	1	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Unnamed trib to French River crossing Stafford St and Merriam Rd	1	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Unnamed trib to Rochdale Pond crossing Stafford St near Jaynes Way	1	☐	☐	☐	☐	☐	☐	☐	☐	☐	
		☐	☐	☐	☐	☐	☐	☐	☐	☐	
		☐	☐	☐	☐	☐	☐	☐	☐	☐	
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Click to lengthen table

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Part III: Stormwater Management Program Summary

Identify the Best Management Practices (BMPs) that will be employed to address each of the six Minimum Control Measures (MCMs). For municipalities/organizations whose MS4 discharges into a receiving water with an approved Total Maximum Daily Load (TMDL) and an applicable waste load allocation (WLA), identify any additional BMPs employed to specifically support the achievement of the WLA in the TMDL section at the end of part III.

For each MCM, list each existing or proposed BMP by category and provide a brief description, responsible parties/departments, measurable goals, and the year the BMP will be employed (public education and outreach BMPs also requires a target audience). **Use the drop-down menus in each table or enter your own text to override the drop down menu.**

MCM 1: Public Education and Outreach

BMP Media/Category (enter your own text to override the drop down menu)	**BMP Description**	**Targeted Audience**	**Responsible Department/Parties** (enter your own text to override the drop down menu)	**Measurable Goal**	**Beginning Year of BMP Imple-mentation**
School Curricula/Programs	Stormwater What you can do as a citizen	Residents	Conservation / Storm Water Dept.	Eduction of middle/ high school students reduction of impacts through proper stormwater management	2018
Local Public Service Announcements	Stormwater Management for Small Businesses	Businesses, Institutions and Commercial Facilities	Conservation / Storm Water Dept.	Stencil Campaign for on-site stormwater structures	2019
Web Page / Videos	Stormwater Management for Developers	Developers (construction)	Conservation / Storm Water Dept.	Site management for stormwater control	2020
Web Page / Videos	Stormwater Management for Industry	Industrial Facilities	Conservation / Storm Water Dept.	Stencil Campaign for on-site stormwater structures	2021
Web Page / Videos	Be A Beneficial Lake Effect: Protecting Your Lake or Pond from Stormwater Pollution	Residents	Conservation / Storm Water Dept.	Eduction of middle/ high school students reduction of impacts to local waters through proper stormwater management Stencil Campaign	2019

Web Page / Videos	Pollution Prevention for Business	Businesses, Institutions and Commercial Facilities	Conservation / Storm Water Dept.	P2 Campaign to reduce impacts on stormwater providing BMP resource materials	2020
Web Page / Videos	Pollution Prevention for Developers	Developers (construction)	Conservation / Storm Water Dept.	P2 Campaign to reduce impacts on stormwater providing BMP resource materials	2021
Web Page / Videos	Pollution Prevention for Industry	Industrial Facilities	Conservation / Storm Water Dept.	P2 Campaign to reduce impacts on stormwater providing BMP resource materials	2022

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Part III: Stormwater Management Program Summary (continued)

MCM 2: Public Involvement and Participation

BMP Categorization	Brief BMP Description (enter your own text to override the drop down menu)	Responsible Department/Parties (enter your own text to override the drop down menu)	Additional Description/ Measurable Goal	Beginning Year of BMP Imple-mentation
Public Review	SWMP Review	Conservation / Storm Water Dept.	Allow annual review of stormwater management plan and posting of stormwater management plan on website	2018
Public Participation	Stormwater Committee/Task Force	Conservation / Storm Water Dept.	Allow public to comment on stormwater management plan annually	2018
Public Participation	Public Meeting - Stormwater	Conservation / Storm Water Dept.	Allow public to comment on stormwater management plan	2018
Public Participation	Public Surveys - Opinions, behaviors, etc.	Conservation / Storm Water Dept.	Allow public to comment on stormwater management plan	2019
Public Participation	Partnership - Business/Industry	Conservation / Storm Water Dept.	Stormwater for business / industry/ development	2019
Public Participation	Catch Basin Stenciling/Markers	Conservation / Storm Water Dept.	Reduce Impacts to local waters residents	2019
Public Review	Stormwater controls for development	Conservation / Storm Water Dept.	Construction Site Management	2020
Public Review	Infoline - general stormwater info	Conservation / Storm Water Dept.	Site management for stormwater control	2020
Public Review	Infoline - general stormwater info	Conservation / Storm Water Dept.	P2 campaign BMP resources for business	2020
Public Review	Infoline - general stormwater info	Conservation / Storm Water Dept.	P2 campaign BMP resources	2021
Public Participation	Catch Basin Stenciling/Markers	Conservation / Storm Water Dept.	Reduce Impacts to local waters residents	2021
Public Participation	Infoline - general stormwater info	Conservation / Storm Water Dept.	P2 campaign BMP resources for Industry	2022
Public Participation	Infoline - general stormwater info	Conservation / Storm Water Dept.	P2 campaign Industry BMP resources	2022

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Part III: Stormwater Management Program Summary (continued)

MCM 3: Illicit Discharge Detection and Elimination (IDDE)

BMP Categorization (enter your own text to override the drop down menu)	**BMP Description**	**Responsible Department/Parties** (enter your own text to override the drop down menu)	**Measurable Goal** (all text can be overwritten)	**Beginning Year of BMP Imple-mentation**
SSO inventory	Develop SSO inventory in accordance of permit conditions	Conservation / Storm Water Dept.	Complete within 1 year of effective date of permit	2019
Storm sewer system map	Create map and update during IDDE program completion	Conservation / Storm Water Dept.	Update map within 2 years of effective date of permit and complete full system map 10 years after effective date of permit	2019
Written IDDE program	Create written IDDE program	Conservation / Sewer Water Dept.	Complete within 1 year of the effective date of permit and update as required	2019
Implement IDDE program	Implement catchment investigations according to program and permit conditions	Conservation / Sewer Water Dept. / Highway Dept	Complete 10 years after effective date of permit	2020
Employee training	Train employees on IDDE implementation	Conservation / Sewer Water Dept. / Highway Dept	Train annually	2018
Conduct dry weather screening	Conduct in accordance with outfall screening procedure and permit conditions	Conservation / Sewer Water Dept. / Highway Dept	Complete 3 years after effective date of permit	2019
Conduct wet weather screening	Conduct in accordance with outfall screening procedure	Conservation / Sewer Water Dept. / Highway Dept	Complete 10 years after effective date of permit	2020
Ongoing screening	Conduct dry weather and wet weather screening (as necessary)	Conservation / Sewer Water Dept. / Highway Dept	Complete ongoing outfall screening upon completion of IDDE program	2021

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Part III: Stormwater Management Program Summary (continued)

MCM 4: Construction Site Stormwater Runoff Control

BMP Categorization (enter your own text to override the drop down menu or entered text)	**BMP Description**	**Responsible Department/Parties** (enter your own text to override the drop down menu)	**Measurable Goal** (all text can be overwritten)	**Beginning Year of BMP Imple-mentation**
Site inspection and enforcement of Erosion and Sediment Control (ESC) measures	Complete written procedures of site inspections and enforcement procedures	Conservation / Storm Water Dept.	Complete within 1 year of the effective date of permit	2019
Site plan review	Complete written procedures of site plan review and begin implementation	Planning/zoning Department / Code Enforcement / Conservation / Storm Water	Complete within 1 year of the effective date of permit	2019
Erosion and Sediment Control	Adoption of requirements for construction operators to implement a sediment and erosion control program	Conservation / Storm Water Dept.	Complete within 1 year of the effective date of permit	2019
Waste Control	Adoption of requirements to control wastes, including but not limited to, discarded building materials, concrete truck wash out, chemicals, litter, and sanitary wastes	Health Department / Code Enforcement / Conservation / Storm Water Dept.	Complete within 1 year of the effective date of permit	2019

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Part III: Stormwater Management Program Summary (continued)

MCM 5: Post-Construction Stormwater Management in New Development and Redevelopment

BMP Categorization (enter your own text to override the drop down menu or entered text)	**BMP Description**	**Responsible Department/Parties** (enter your own text to override the drop down menu)	**Measurable Goal** (all text can be overwritten)	**Beginning Year of BMP Imple-mentation**
As-built plans for on-site stormwater control	The procedures to require submission of as-built drawings and ensure long term operation and maintenance will be a part of the SWMP	Planning/zoning Department / Code Enforcement / Conservation / Storm Water	Require submission of as-built plans for completed projects	2019
Target properties to reduce impervious areas	Identify at least 5 permittee-owned properties that could be modified or retrofitted with BMPs to reduce impervious areas and update annually	Planning/zoning Department / Code Enforcement / Conservation / Storm Water	Complete 4 years after effective date of permit and report annually on retrofitted properties	2022
Allow green infrastructure	Develop a report assessing existing local regulations to determine the feasibility of making green infrastructure practices allowable when appropriate site conditions exist	Planning/zoning Department / Code Enforcement / Conservation / Storm Water	Complete 4 years after effective date of permit and implement recommendations of report	2022
Street design and parking lot guidelines	Develop a report assessing requirements that affect the creation of impervious cover. The assessment will help determine if changes to design standards for streets and parking lots can be modified to support low impact design options.	Planning/zoning Department / Code Enforcement / Conservation / Storm Water	Complete 4 years after effective date of permit and implement recommendations of report	2022

Ensure any stormwater controls or management practices for new development and redevelopment meet the retention or treatment requirements of the permit and all applicable requirements of the Massachusetts Stormwater Handbook	Adoption, amendment, or modification of a regulatory mechanism to meet permit requirements	Planning/zoning Department / Code Enforcement / Conservation / Storm Water	Complete 2 years after effective date of permit	2020

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Part III: Stormwater Management Program Summary (continued)

MCM 6: Municipal Good Housekeeping and Pollution Prevention

BMP Categorization (enter your own text to override the drop down menu or entered text)	**BMP Description**	**Responsible Department/Parties** (enter your own text to override the drop down menu)	**Measurable Goal** (all text can be overwritten)	**Beginning Year of BMP Imple-mentation**
O&M procedures	Create written O&M procedures including all requirements contained in 2.3.7.a.ii for parks and open spaces, buildings and facilities, and vehicles and equipment	Planning/zoning Department / Code Enforcement / Conservation / Sto	Complete and implement 2 years after effective date of permit	2020
Inventory all permittee-owned parks and open spaces, buildings and facilities, and vehicles and equipment	Create inventory	Planning/zoning Department / Code Enforcement / Conservation / Sto	Complete 2 years after effective date of permit and implement annually	2019
Infrastructure O&M	Establish and implement program for repair and rehabilitation of MS4 infrastructure	Planning/zoning Department / Code Enforcement / Conservation / Sto	Complete 2 years after effective date of permit	2019
Stormwater Pollution Prevention Plan (SWPPP)	Create SWPPPs for maintenance garages, transfer stations, and other waste-handling facilities	Planning/zoning Department / Code Enforcement / Conservation / Sto	Complete and implement 2 years after effective date of permit	2018
Catch basin cleaning	Establish schedule for catch basin cleaning such that each catch basin is no more than 50% full and clean catch basins on that schedule	DPW Operations	Clean catch basins on established schedule and report number of catch basins cleaned and volume of material moved annually	2017
Street sweeping program	Sweep all streets and permitee-owned parking lots in accordance with permit conditions	DPW Operations	Sweep all streets and permitee-owned parking lots once per year in the spring	2017
Road salt use optimization program	Establish and implement a program to minimize the use of road salt	DPW Operations	Implement salt use optimization during deicing season	2017

Inspections and maitenance of stormwater treatment structures	Establish and implement inspection and maitenance procedures and frequencies	Planning/zoning Department / Code Enforcement / Conservation / Sto	Inspect and maintain treatment structures at least annually	2020

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Part III: Stormwater Management Program Summary (continued)

Actions for Meeting Total Maximum Daily Load (TMDL) Requirements

Use the drop-down menus to select the applicable TMDL, action description to meet the TMDL requirements, and the responsible department/parties. If no options are applicable, or more than one, **enter your own text to override drop-down menus.**

Applicable TMDL	Action Description	Responsible Department/Parties (enter your own text to override the drop down menu)
French Basin Lakes (Phosphorus)	Adhere to requirements in part A.II of Appendix F	Conservation / Storm Water Dept.
Long Island Sound TMDL (Nitrogen)	Adhere to requirements in part A.I of Appendix F	Conservation / Storm Water Dept.

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Part III: Stormwater Management Program Summary (continued)

Actions for Meeting Requirements Related to Water Quality Limited Waters

Use the drop-down menus to select the pollutant causing the water quality limitation and enter the waterbody ID(s) experiencing excursions above water quality standards for that pollutant. Choose the action description from the dropdown menu and indicate the responsible party. If no options are applicable, or more than one, **enter your own text to override drop-down menus.**

Pollutant	Waterbody ID(s)	Action Description	Responsible Department/Parties (enter your own text to override the drop down menu)
Fecal Coliform	Cady Brook (41-05)	Adhere to requirements in part III of Appendix H	Conservation / Storm Water Dept.

Part IV: Notes and additional information

Use the space below to indicate the part(s) of 2.2.1and 2.2.2 that you have identified as not applicable to your MS4 because you do not discharge to the impaired water body or a tributary to an impaired water body due to nitrogen or phosphorus. Provide all supporting documentation below or attach additional documents if necessary. Also, provide any additional information about your MS4 program below.

Click to add text
NOTE 1) "0" does not show on outfall receiving waters pages 2 & 3, the box is left blank by default. We have included these waters because of foreseen upgrades and future discharge locations.

Endangered Species: MS4 will not adversely effect ES habitat, Listed species is Bat. If any timber work or other work that could impact habitat will be evaluated by biologist and adhere to the BMP prescribed.

Part V: Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, I certify that the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name: Robin Craver

Title: Town Administrator

Signature:

Date: 6/24/19

[To be signed according to Appendix B, Subparagraph B.11, Standard Conditions]

Note: When prompted during signing, save the document under a new file name