

Notice of Intent (NOI) for coverage under Small MS4 General Permit Page 1 of 20

Part I: General Conditions

General Information

Name of Municipality or Organization: State:
EPA NPDES Permit Number (if applicable):

Primary MS4 Program Manager Contact Information

Name: Title:
Street Address Line 1:
Street Address Line 2:
City: State: Zip Code:
Email: Phone Number:
Fax Number:

Other Information

Stormwater Management Program (SWMP) Location (web address or physical location, if already completed):

Eligibility Determination

Endangered Species Act (ESA) Determination Complete? Eligibility Criteria (check all that apply): A B C
National Historic Preservation Act (NHPA) Determination Complete? 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? <i>(Part II, III, IV or V, Subpart B.3.(a.) of 2003 permit)</i>	<input type="text" value="100%"/> If 100% of 2003 requirements not met, enter an estimated date of completion (MM/DD/YY): <input type="text"/>
Web address where MS4 map is published: <small>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)</small>	<input type="text" value="See Attached"/>
Regulatory Authorities (if covered under the 2003 permit)	
Illicit Discharge Detection and Elimination (IDDE) Authority Adopted? <i>(Part II, III, IV or V, Subpart B.3.(b.) of 2003 permit)</i>	<input type="text" value="Yes"/> Effective Date or Estimated Date of Adoption (MM/DD/YY): <input type="text" value="03/13/17"/>
Construction/Erosion and Sediment Control (ESC) Authority Adopted? <i>(Part II, III, IV or V, Subpart B.4.(a.) of 2003 permit)</i>	<input type="text" value="Yes"/> Effective Date or Estimated Date of Adoption (MM/DD/YY): <input type="text" value="03/13/17"/>
Post- Construction Stormwater Management Adopted? <i>(Part II, III, IV or V, Subpart B.5.(a.) of 2003 permit)</i>	<input type="text" value="Yes"/> Effective Date or Estimated Date of Adoption (MM/DD/YY): <input type="text" value="03/13/17"/>

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Part II: Summary of Receiving Waters

Please list the waterbodies to which your MS4 discharges. For each waterbody, please report the number of outfalls discharging into it and, if applicable, the segment ID and 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](http://www.mass.gov/eea/docs/dep/water/resources/07v5/14list2.pdf)

Waterbody that receives flow from the MS4 and segment ID if applicable	Number of outfalls into receiving water segment										Other pollutant(s) causing impairments	
		Chloride	Chlorophyll-a	Dissolved Oxygen/DO Saturation	Nitrogen	Oil & Grease/ PAH	Phosphorus	Solids/ TSS/ Turbidity	E. coli	Enterococcus		
Ipswich River (MA92-06)	43	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mercury in fish tissue, low flow alterations
Aberjona River (MA71-01)	78	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Arsenic, ammonia (un-ionized)
Bare Meadow Brook (MA92-07)	71	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Not Assessed
Walkers Brook	95	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Not Assessed
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
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		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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 Implementation
Brochures/Pamphlets	Update and produce educational materials available online and in Town Hall	Residents	Engineering	Compilation of educational materials	2017
Web Page	Notices and updates regarding stormwater quality and sampling events	Residents, Businesses, Institutions and Commercial Facilities	Engineering	Keep residents informed and up to date	2018
Newspaper Articles/Press Releases	Notices and updates regarding outfall sampling program	Residents, Businesses, Institutions and Commercial Facilities	Engineering	Distribute notice for outfall sampling and stormwater sampling results	2018
Videos	Continue involvement with Mystic River Watershed Association	Residents	Engineering	Produce or distribute video(s) for social media and website	2018
Displays/Posters/Kiosks	Stormwater displays at Friends and Family Day and Library Day	Residents	Engineering	Establish stormwater display	2017
School Curricula/Programs	Stormwater presentation at Middle School	School Children	Engineering	Continue presentations and engagement in schools	2017
Brochures/Pamphlets	Develop educational pamphlet	Developers and Industrial Facilities	Engineering	Produce pamphlets to be distributed	2020
Web Page	Develop web page	Developers and Industrial Facilities	Engineering	Make information available online	2020

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Part III: Stormwater Management Program Summary *(continued)*

MCM 2: Public Involvement and Participation

BMP Categorization	Brief BMP Description <small>(enter your own text to override the drop down menu)</small>	Responsible Department/Parties <small>(enter your own text to override the drop down menu)</small>	Additional Description/ Measurable Goal	Beginning Year of BMP Imple- mentation
Public Review	SWMP Review	Engineering	Continually update and review stormwater management plan	2018
Public Review	Question and Answer Session	Engineering	Hold information session on stormwater management plan annually	2019
Public Participation	Stormwater Questionnaire	Engineering	Questionnaire in which responses are tracked to determine baseline knowledge	2019
Public Participation	Hotline/weblne - reporting problems/violations	Engineering	Reestablish stormwater hotline	2019
Public Participation	Household haz. waste/used oil collection	DPW Operations	Continue spring and fall household hazardous waste collection	2017

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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 Implementation
SSO inventory	Develop SSO inventory in accordance of permit conditions	Engineering	Will maintain inventory as necessary	2017
Storm sewer system map	Create map and update during IDDE program completion	Engineering	Storm sewer system is completed but will be continually updated as necessary	2017
Written IDDE program	Create written IDDE program	Engineering	Review existing written IDDE program	2018
Implement IDDE program	Implement catchment investigations according to program and permit conditions	Engineering	Upstream IDDE investigations have been undertaken since 2012 as a follow up to outfall sampling, including catchment investigations	2017
Employee training	Train employees on IDDE implementation	Engineering	Continue training	2018
Conduct dry weather screening	Conduct in accordance with outfall screening procedure and permit conditions	Engineering	Dry weather outfall screening has been performed in 2012 as well as 2018	2018
Conduct wet weather screening	Conduct in accordance with outfall screening procedure	Engineering	To be completed within the permit guidelines	2020
Ongoing screening	Conduct dry weather and wet weather screening (as necessary)	Engineering	Continue outfall screening upon completion of outfall sampling program as required	2018
Outfall and Interconnection Ranking	Prioritize outfalls	Engineering	Completed within three years effective date of permit	2019

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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 Implementation
Site inspection and enforcement of Erosion and Sediment Control (ESC) measures	Complete written procedures of site inspections and enforcement procedures	Engineering	Complete within 1 year of the effective date of permit	2018
Site plan review	Complete written procedures of site plan review and begin implementation	Engineering	Complete within 1 year of the effective date of permit	2018
Erosion and Sediment Control	Adoption of requirements for construction operators to implement a sediment and erosion control program	Engineering	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	DPW Operations	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 Implementation
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	Engineering	Require submission of as-built plans for completed projects within two years of construction	2018
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	Engineering	Complete within 4 years after effective date of permit and report annually on retrofitted properties	2022
Identify additional green infrastructure opportunities	Develop a report assessing existing local regulations to determine the feasibility of making green infrastructure practices allowable when appropriate site conditions exist	Engineering	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.	Engineering	Complete 4 years after effective date of permit and implement recommendations of report	2022

<p>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</p>	<p>Adoption, amendment, or modification of a regulatory mechanism to meet permit requirements</p>	<p>Engineering</p>	<p>Complete 2 years after effective date of permit</p>	<p>2020</p>
<p>Aquifer Protection District</p>	<p>The aquifer protection district promotes and ensures quality drinking water by promoting stormwater recharge.</p>	<p>Engineering</p>	<p>Ongoing, as necessary</p>	<p>2017</p>
<p>Stormwater Enterprise Fund</p>	<p>The Town of Reading established the stormwater enterprise fund to provide a dedicated and adequate source of funding for stormwater initiatives.</p>	<p>DPW Operations</p>	<p>Ongoing</p>	

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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 Implementation
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	DPW Operations	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	Engineering	Complete 2 years after effective date of permit and implement annually	2020
Infrastructure O&M	Establish and implement program for repair and rehabilitation of MS4 infrastructure	Engineering	Complete 2 years after effective date of permit	2020
Stormwater Pollution Prevention Plan (SWPPP)	Create SWPPPs for maintenance garages, transfer stations, and other waste-handling facilities	Engineering	Complete and implement 2 years after effective date of permit	2020
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. A mobile application has been deployed to track pet waste in catch basins	2020
Street sweeping program	Sweep all streets and permittee-owned parking lots in accordance with permit conditions	DPW Operations	Continue to sweep all streets and permittee-owned parking lots once per year in the spring	2000

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Part IV: Notes and additional information

Use the space below to indicate the part(s) of 2.2.1 and 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.

The Town of Reading has recently completed our latest round of Townwide outfall sampling. While the previous results which dated backed to 2012 and 2013 would have been suitable for some time, the Town felt it would be best to re-sample and include all updated water quality parameters, including chlorine and phosphorous. The results of this sampling event will determine the extent, if any, of phosphorous loading to impaired waters in Reading.

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:

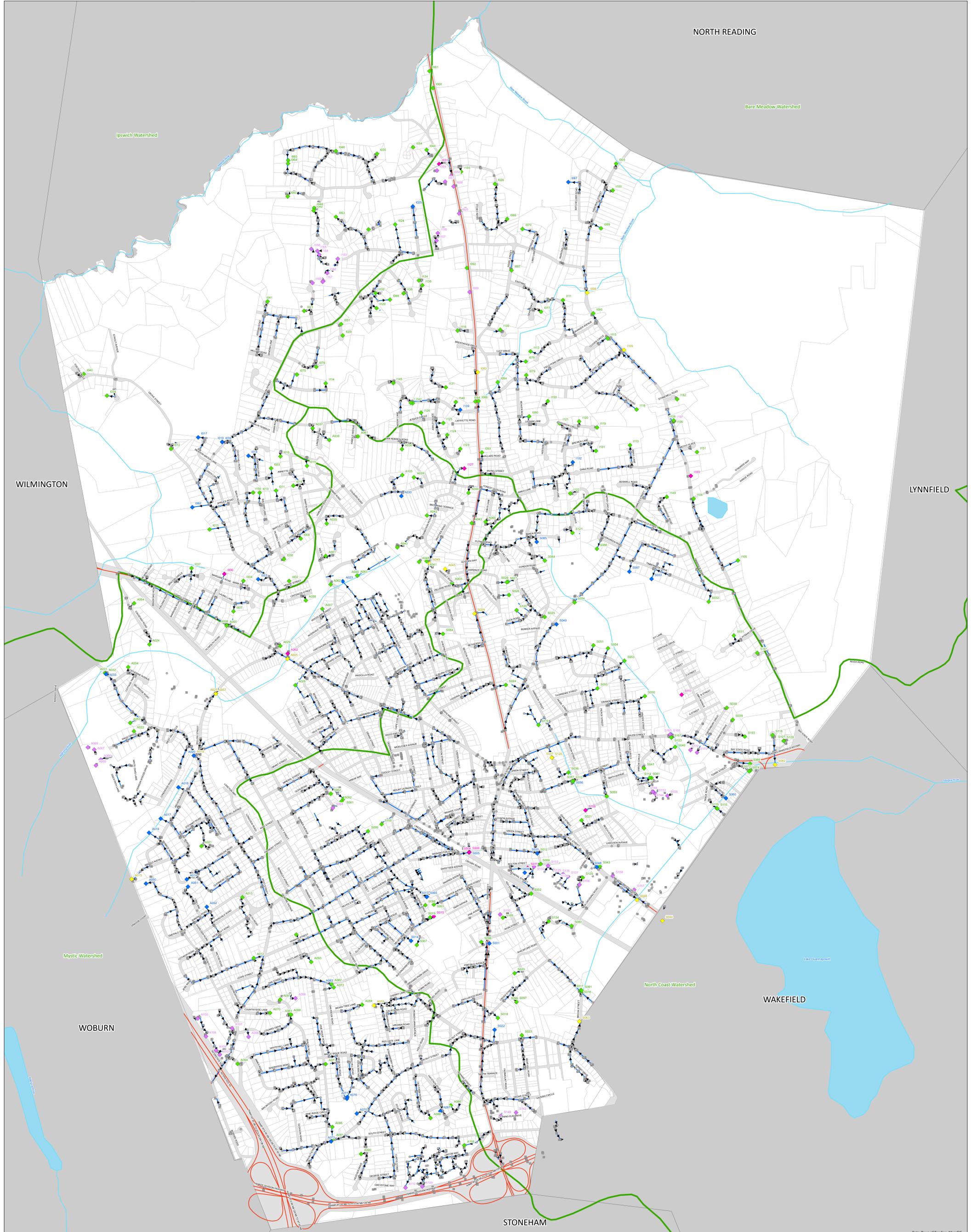
Title:

Signature:

Date:

[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



NORTH READING

Bare Meadow Watershed

Ipswich Watershed

WILMINGTON

LYNNFIELD

Mystic Watershed

North Coast Watershed

WOBURN

WAKEFIELD

STONEHAM

Data: Town of Reading, MassGIS



0 550 1,100 2,200 Feet
1 inch = 550 feet

Inspection Status

- ◆ Access Issue
- ◆ Outfall Screening Completed, No Dry Flow
- ◆ Could Not Locate
- ◆ Outfall Screening, Dry Weather Sampling Completed
- ◆ Excluded Outfall
- swManhole
- swCatchBasin

- swGravilyMain
- Mass DOT Road
- Streams and Rivers

- Watershed Boundaries
- Ponds and Lakes

Outfall Inspection Status
Reading, MA
December 2018

From: [Rozycki, Alexander](#)
To: [Vuto, Michelle](#)
Cc: [Percival, Ryan](#)
Subject: RE: Town of Reading Additional NOI Information
Date: Thursday, December 06, 2018 6:17:18 PM

Michelle,

Absolutely, my apologies for this oversight. We shall include this as part of our SWMP.

Alex Rozycki, P.E.
Town of Reading
Senior Civil Engineer
781-942-6684

-----Original Message-----

From: Vuto, Michelle [<mailto:Vuto.Michelle@epa.gov>]
Sent: Thursday, December 6, 2018 5:23 PM
To: Rozycki, Alexander
Cc: Percival, Ryan
Subject: RE: Town of Reading Additional NOI Information

Hi Alex,

Thanks for the updated information. Can you also please respond acknowledging that the town will follow permit conditions for the inspections and maintenance of stormwater treatment structures (establish and implement inspection and maintenance procedures and frequencies, inspect annually) beginning in 2019 under MCM 6?

Thanks,
Michelle

Michelle Vuto
Stormwater & Construction Permits
U.S. EPA Region 1
5 Post Office Square-OEP06-4
Boston, MA 02109-3912
617-918-1222

-----Original Message-----

From: Rozycki, Alexander <arozycki@ci.reading.ma.us>
Sent: Thursday, December 06, 2018 3:16 PM
To: Vuto, Michelle <vuto.michelle@epa.gov>
Cc: Percival, Ryan <rpercival@ci.reading.ma.us>
Subject: Town of Reading Additional NOI Information

Michelle,

Please see the attached documentation from the Town of Reading regarding the additional information required for the Notice of Intent. I have attached a PDF with the suggested edits/additions as well as an updated and complete NOI. Additionally, I have attached an updated outfall and drainage map as well.

If there is any additional information you may require please let me know.

Thanks,

Alex Rozycki, P.E.
Town of Reading
Senior Civil Engineer
781-942-6684

-----Original Message-----

From: Vuto, Michelle [<mailto:Vuto.Michelle@epa.gov>]
Sent: Wednesday, November 21, 2018 8:34 AM
To: Percival, Ryan
Cc: Reports Stormwater
Subject: Small MS4 NOI submission - additional or corrected information required

Hi Ryan,

EPA requires additional or corrected information to receive a complete NOI submission for your MS4 and continue the review process.

Please respond to this email with the requested details in the attached report. You do not need to resubmit your entire NOI form. Please respond with the requested information as soon as you can. If the additional information is not received within 30 days of the date on this email EPA may initiate the process to deny your NOI, unless additional time is granted by EPA for such submission.

Please let me know if you have any questions.

Happy Thanksgiving!

Best,
Michelle

Michelle Vuto
Stormwater & Construction Permits
U.S. EPA Region 1
5 Post Office Square-OEP06-4
Boston, MA 02109-3912
617-918-1222