Taunton, MA

Municipal Separate Storm Sewer NOI

NPDES Small MS4 General Permit Number [MAR041164]

September 2018

NOTICE OF INTENT FOR COVERAGE UNDER SMALL MS4 GENERAL PERMIT

6 Blackstone Valley Place
Suite 101
Lincoln, Rhode Island 02865
401.333.2382
www.BETA-Inc.com

Municipal Separate Storm Sewer NOI

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NOTICE OF INTENT FOR COVERAGE UNDER SMALL MS4 GENERAL PERMIT

Prepared by: BETA GROUP, INC.
Prepared for: City of Taunton

September 2018

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1.1 Notice of Intent

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

Part I: General Conditions

General Information

Name of Municipality or Organization: City of Taunton State: MA

EPA NPDES Permit Number (if applicable): MA 0100897

Primary MS4 Program Manager Contact Information

Name: Fred Cornaglia Title: Commissioner of Public Works

Street Address Line 1: 90 Ingell Street

Street Address Line 2:

City: Taunton State: MA Zip Code: 02780

Email: fornaglia@taunton-ma.gov Phone Number: (508)821-1434

Fax Number: (508)821-1437

Other Information

Stormwater Management Program (SWMP) Location Taunton Public Library, 12 Pleasant Street, Taunton, MA

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

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? Yes — Effective Date or Estimated Date of Adoption (MM/DD/YY): 05/10/2016

Construction/Erosion and Sediment Control (ESC) Authority Adopted? Yes — Effective Date or Estimated Date of Adoption (MM/DD/YY): 05/10/2016

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): 05/10/2016

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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

Waterbody that receives flow from the MS4 and segment ID if applicable	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
Taunton River (MA 62-02)	40	☐	☐	☐	☐	☐	☐	☐	☐	☐	Fecal Coliform
Cobb Brook (MA 62-43)	31	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Cotley River (MA 62-41)	11	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Mill River	50	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Segreganset River Ponds (MA 62169)	0	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Segreganset River (MA 62-53)	0	☐	☐	☐	☐	☐	☐	☐	☐	☐	Low-flow alterations - Impairment not caused by pollutants
Oakland Pond (MA 62136)	1	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Three Mile River (MA62-56)	15	☐	☐	☐	☐	☐	☐	☐	☐	☐	Fecal Coliform
Three Mile River (MA62-57)	1	☐	☐	☐	☐	☐	☐	☐	☐	☐	Fecal Coliform
Willis Pond	3	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Mount Hope Hill Pond (MA62122)	0	☐	☐	☐	☐	☐	☐	☐	☐	☐	Non-Native Aquatic Plants - Impairment not caused by pollutants
Watson Pond (MA 62205)	3	☐	☐	☒	☐	☐	☒	☐	☐	☐	Excess algae growth, Secchi Disk transparency. non-native aquatic plants
Lake Sabbatia (MA 62166)	16	☐	☐	☒	☐	☐	☐	☐	☐	☐	Non-Native Aquatic Plants
Wetland Tributary to (Snake River MA 62-28)	1	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Prospect Hill Pond (MA 62149)	1	☐	☐	☐	☐	☐	☐	☐	☐	☐	Fecal Coliform
Whitten Impoundment	4	☐	☐	☐	☐	☐	☐	☐	☐	☐	Non-Native Aquatic Plants - Impairment not caused by pollutants
Wetland Tributary to (Lake Rico MA 62148)	1	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Richmond Pond (MA 62159)	0	☐	☐	☐	☐	☐	☐	☐	☐	☐	Non-Native Aquatic Plants - Impairment not caused by pollutants

Waterbody that receives flow from the MS4 and segment ID if applicable	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 wetland tributary to Segreganset River	0	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Wetland Tributary to Three Mile River	21	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Wetland Tributary to Watson Pond	9	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Wetland Tributary to Sabbatia Lake	2	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Black Pond	4	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Pine Swamp Brook	0	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Wetland Tributary to Prospect Hill Pond	2	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Wetland Tributary to Whittendon Impoundment	3	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Weir Village North Pond	0	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Weir Village South Pond	0	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Unnamed Tributary to Taunton River (MA 62-48)	0	☐	☐	☐	☐	☐	☐	☐	☐	☐	Aquatic Macroinvertebrate Bioassessments, water temperature, other flow regime alterations, physical substrate habitat alterations
Wetland Tributary to Richmond Pond	5	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Unnamed Tributary to Deep Pond	1	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Barstow Pond	3	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Cain Pond (MA 62030)	0	☐	☐	☒	☐	☐	☐	☒	☐	☐	
Unnamed Tributary to Taunton River	42	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Wetland Tributary to Taunton River	7	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Additional Outfalls	381	☐	☐	☐	☐	☐	☐	☐	☐	☐	

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**
Special Events/Festivals/Fairs	Conduct an Annual Household Hazardous Waste Collection Day	Residents	Veolia (WWTP), CofTaunton, Taunton	Track the amount and type of wast collected. Track the number of Taunton vehicles that participate	2004
Brochures/Pamphlets	Distribute a series of Educational flyers	Residents, Businesses, Institutions and Commercial Facilities	Taunton Conservation Commision. TMLP	Track the number of flyers distributed each year.	2006
Web Page	Post Educational Information on City of Taunton's Stormwater Website	Residents, Businesses, Institutions, Developers, and Commercial Facilities	Taunton DPW. Taunton Conservation Commission	Track website traffic	2003
Newspaper Articles/Press Releases	Press Release for Industry	Industrial Facilities	Taunton DPW	Track Press Release Circulation	2019
Brochures/Pamphlets	Information for Developers	Developers (construction)	Taunton DPW	Included when Developer applies for permitting	2019

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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	Taunton DPW	Annual review of stormwater management plan and posting of stormwater management plan online and at the Taunton Public Library	2003
Public Participation	Co-Sponsor Annual River Cleanup	Taunton Conservation Commission and Taunton DPW	Quantity and Type of Materials Collected	2003
Public Participation	Co-Sponsor Annual Citywide Cleanup	Taunton Conservation Commission and Taunton DPW	Number of volunteers, and quantity and type of materials collected	2003
Public Participation	Conduct Local Water Quality Monitoring Activities	Veolia, Taunton Conservation Commission, and Taunton DPW	Number of samples collected, analysis performed, and results	2004
Public Participation	Sponsor Storm Drain Plating Activities	Taunton DPW	Track the number of storm drains plated each year	2018

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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	Detection and Elimination of SSOs	Taunton DPW	Continual development of SSO inventory within 1 year of effective permit. This work is included under EPA Administrative Order 08-042. Quantify number of SSOs identified and removed. Quantify volume of sewage removed.	2019
Storm sewer system map	Field Verify Outfall Locations	Taunton DPW	Stormwater Sewer map has been developed, but verification is ongoing. Updated map (Phase I) completed within two years of effective permit date and complete full system map (Phase II) 10 years after effective date of permit.	2020
Written IDDE program	Develop written IDDE program	Taunton DPW	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	Taunton DPW	Continued catchment investigations according to program and permit conditions. Ongoing outfall/ interconnection rankings recorded. Report number and percent of total outfall catchments evaluated. Identification and removal of illicit connections.	2019
Employee training	Train employees on IDDE implementation	Taunton DPW and Consultant	Train annually. Quantify frequency and type of training offered	2019

Conduct dry weather screening	Conduct in accordance with outfall screening procedure and permit conditions	Taunton DPW	Record progress, quantify number of outfalls screened, and analytical results.	2019
Conduct wet weather screening	Conduct in accordance with outfall screening procedure	Taunton DPW	Conduct in accordance with outfall screening procedure and permit conditions. Quantify number of outfalls sampled and analytical results.	2019
Continue Formal Septic System Management Program	Septic System Management Program	Taunton Board of Health. Office of Economic and Community Developm	Track septic pumping, installation, permitting, and failures.	2018
Continue Sewer Separation Management Program	Sewer Separation Program	Taunton DPW	Track separated combined manholes, and replaced/ lined brick drain.	2018

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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	Taunton Conservation Commission. Taunton DPW	Complete by the end of Year 1. Track frequency of inspections, completed inspection forms, enforcement action forms, number of BMPs used, and success of selected BMPs.	2018
Site plan review	Complete written procedures of site plan review and begin implementation	Taunton Conservation Commission. Taunton DPW	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	Taunton Conservation Commission. Taunton DPW	Included in site inspection form.	2018
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	Taunton Planning Department. Taunton DPW	Included in site inspection form.	2018
Continue Citizen Tip Line	Continue to accept calls on stormwater issues	Taunton DPW	Track number of complaints, incidents, and remedied situations.	2006

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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	Taunton Conservation Commission. Taunton Planning Department	Require and track submission of as-built plans for completed projects. Require and track annual submission of work completed.	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	Taunton Planning Department	Complete 4 years after effective date of permit and report annually on retrofitted properties	2018
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	Taunton Conservation Commission. Taunton Planning Department	Complete 4 years after effective date of permit and implement recommendations of report	2018

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.	Taunton Planning Department	Complete 4 years after effective date of permit and implement recommendations of report	2018
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	Taunton Planning Department	Complete 2 years after effective date of permit	2018

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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	Taunton DPW. Taunton Building Department	Complete and implement 2 years after effective date of permit	2018
Inventory all permittee-owned parks and open spaces, buildings and facilities, and vehicles and equipment	Create inventory	Taunton DPW. Taunton Parks & Rec	Complete 2 years after effective date of permit and implement annually	2018
Infrastructure O&M	Establish and implement program for repair and rehabilitation of MS4 infrastructure	Taunton DPW.	Complete 2 years after effective date of permit	2018
Stormwater Pollution Prevention Plan (SWPPP)	Create SWPPPs for maintenance garages, transfer stations, and other waste-handling facilities	Taunton DPW.	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	Taunton DPW.	Clean catch basins on established schedule and report number of catch basins cleaned and volume of material moved annually	2006
Street sweeping program	Sweep all streets and permitee-owned parking lots in accordance with permit conditions	Taunton DPW.	Sweep all streets and permitee-owned parking lots once per year in the spring	2004

Road salt use optimization program	Establish and implement a program to minimize the use of road salt	Taunton DPW.	Implement salt use optimization during deicing season	2018
Inspections and maitenance of stormwater treatment structures	Establish and implement inspection and maitenance procedures and frequencies	Taunton DPW.	Inspect and maintain treatment structures at least annually	2018

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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)
Taunton River Watershed (Bactria/Pathogen)	Adhere to requirements in part A.III of Appendix F	Taunton Department of Public Works

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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. In addition, if you are subject to additional requirements due to a downstream nutrient impairment (see Part 2.2.2 of the permit) select the pollutant of concern and indicate applicable waterbody IDs or write "all waterbodies" if applicable. 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)
Turbidity, DO	Cain Pond MA 62030	Adhere to requirements in part V of Appendix H	DPW Operations
Phosphorus	Watson Pond MA 62205	Adhere to requirements in part II of Appendix H	DPW Operations
Water Temperature, Bioasse	Unnamed Tributary to Taunton River MA62-48	Adhere to requirements in part V of Appendix H	DPW Operations
DO	Lake Sabbatia MA 62166	Adhere to requirements in part V of Appendix H	DPW Operations

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

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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: Fred Cornaglia

Title: Commissioner of Public Works

Signature: Fred Cornaglia

Date: 9/28/2018

[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

NOI Submission

Please submit the form electronically via email using the "Submit by Email" button below or send in a CD with your completed NOI. You may also print and submit via mail using the address below if you choose not to submit electronically. The outfall map required in Part I of the NOI (if applicable) can be submitted electronically as an email attachment OR as a paper copy.
Permittees that choose to submit their NOI electronically by email or by mailing a CD with the completed NOI form to EPA, will be able to download a partially filled Year 1 Annual Report at a later date from EPA. (40 CFR 122.22)

Submit by email using this button. Or, send an email with attachments to: stormwater.reports@epa.gov

Save NOI for your records

EPA Submittal Address:

United States Environmental Protection Agency
5 Post Office Square - Suite 100
Mail Code - OEP06-1
Boston, Massachusetts 02109-3912
ATTN: Newton Tedder

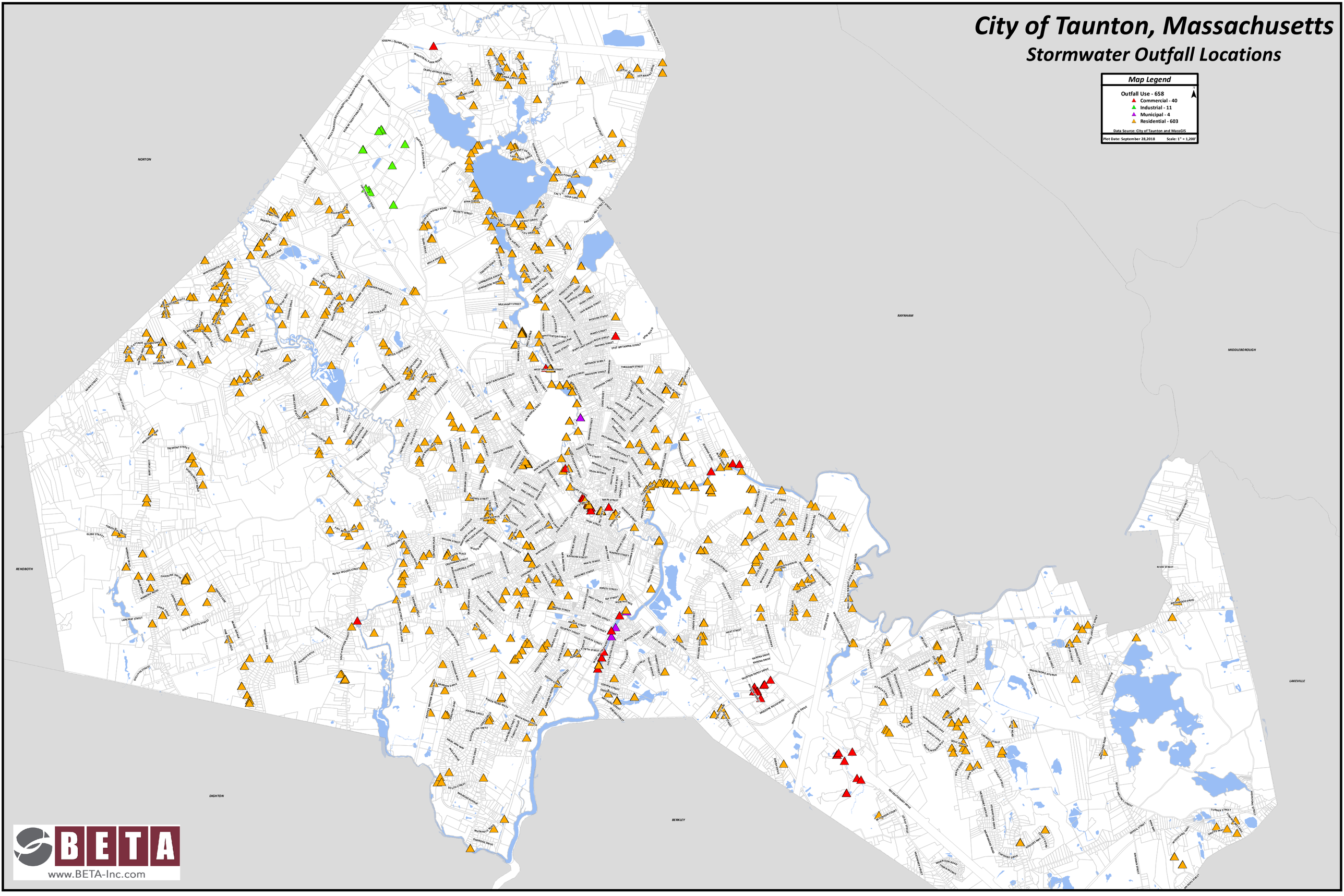
State Submittal Address:

Massachusetts Department of Environmental Protection
One Winter Street - 5th Floor
Boston, MA 02108
ATTN: Fred Civian

1.2 Attachment 1 – Stormwater Outfall Locations Map

City of Taunton, Massachusetts

Stormwater Outfall Locations



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