

**Year 4 Annual Report**  
**Massachusetts Small MS4 General Permit**  
**New Permittees**  
**Reporting Period: July 1, 2021-June 30, 2022**

*\*\*Please DO NOT attach any documents to this form. Instead, attach all requested documents to an email when submitting the form\*\**

*Unless otherwise noted, all fields are required to be filled out. If a field is left blank, it will be assumed the requirement or task has not been completed. Please ONLY report on activities between July 1, 2021 and June 30, 2022 unless otherwise requested.*

**Part I: Contact Information**

Name of Municipality or Organization:

EPA NPDES Permit Number:

**Primary MS4 Program Manager Contact Information**

Name:

Title:

Street Address Line 1:

Street Address Line 2:

City:

State:

Zip Code:

Email:

Phone Number:

**Stormwater Management Program (SWMP) Information**

SWMP Location (web address):

Date SWMP was Last Updated:

If the SWMP is not available on the web please provide the physical address:

Please note that the SWMP is posted under the "Related Links" subheading of the "Engineering" section of the website linked above.

## Part II: Self-Assessment

First, in the box below, select the impairment(s) and/or TMDL(s) that are applicable to your MS4.

<b>Impairment(s)</b>			
<input checked="" type="checkbox"/> Bacteria/Pathogens	<input type="checkbox"/> Chloride	<input type="checkbox"/> Nitrogen	<input checked="" type="checkbox"/> Phosphorus
<input type="checkbox"/> Solids/ Oil/ Grease (Hydrocarbons)/ Metals			
<b>TMDL(s)</b>			
<b>In State:</b>	<input type="checkbox"/> Assabet River Phosphorus	<input type="checkbox"/> Bacteria and Pathogen	<input type="checkbox"/> Cape Cod Nitrogen
	<input type="checkbox"/> Charles River Watershed Phosphorus	<input type="checkbox"/> Lake and Pond Phosphorus	
<b>Out of State:</b>	<input type="checkbox"/> Bacteria/Pathogens	<input type="checkbox"/> Metals	<input type="checkbox"/> Nitrogen
			<input type="checkbox"/> Phosphorus
<a href="#">Clear Impairments and TMDLs</a>			

Next, check off all requirements below that have been completed. **By checking each box you are certifying that you have completed that permit requirement fully.** If you have not completed a requirement leave the box unchecked. Additional information will be requested in later sections.

### Year 4 Requirements

- ☒ Identified and developed an inventory of all known locations where SSOs have discharged to the MS4 in the last 5 years
  - ☐ The SSO inventory is attached to the email submission
  - ☒ The SSO inventory can be found at the following website:
 

<https://www.devenscommunity.com/live/>
- ☒ Identified each outfall and interconnection discharging from MS4, classified into the relevant category, and priority ranked each catchment for investigation
  - ☐ The priority ranking of outfalls/interconnections is attached to the email submission
  - ☒ The priority ranking of outfalls/interconnections can be found at the following website:
 

<https://www.devenscommunity.com/live/>
- ☒ Developed written IDDE plan including a procedure for screening and sampling outfalls
- ☒ Developed written procedures to require the submission of as-built drawings and ensure the long term operation and maintenance of completed construction sites and added these procedures to the SWMP
- ☒ Developed written operations and maintenance procedures for parks and open space, buildings and facilities, and vehicles and equipment and added these procedures to the SWMP
- ☒ Developed an inventory of all permittee owned facilities in the categories of parks and open space, buildings and facilities, and vehicles and equipment and added this inventory to the SWMP
- ☒ Completed a written program for MS4 infrastructure maintenance to reduce the discharge of pollutants
  - Developed written SWPPPs, included in the SWMP, for all of the following permittee owned or
- ☒ operated facilities: maintenance garages, public works yards, transfer stations, and other waste handling facilities where pollutants are exposed to stormwater
- ☒ Enclosed or covered storage piles of salt or piles containing salt used for deicing or other purposes

*Optional:* If you would like to describe progress made on any incomplete requirements listed above or provide any additional details, please use the box below:

**Annual Requirements**

- ☒ Provided an opportunity for public participation in review and implementation of SWMP and complied with State Public Notice Requirements
- ☒ Kept records relating to the permit available for 5 years and made available to the public
- ☐ Provided training to employees involved in IDDE program within the reporting period
- ☒ Properly stored and disposed of catch basin cleanings and street sweepings so they did not discharge to receiving waters
- ☒ All curbed roadways were swept at least once within the reporting period

*Optional:* If you would like to describe progress made on any incomplete requirements listed above or provide any additional details, please use the box below:

Devens finalized the IDDE Plan during Permit Year 4. Annual training to employees involved in the IDDE program is planned to commence within Year 5, along with the implementation of the IDDE plan.

**Bacteria/ Pathogens** (Combination of Impaired Waters Requirements and TMDL Requirements as Applicable)

**Annual Requirements**

*Public Education and Outreach\**

- ☒ Annual message was distributed encouraging the proper management of pet waste, including noting any existing ordinances where appropriate
- ☒ Permittee or its agents disseminated educational material to dog owners at the time of issuance or renewal of dog license, or other appropriate time
- ☒ Provided information to owners of septic systems about proper maintenance in any catchment that discharges to a water body impaired for bacteria

*\* Public education messages can be combined with other public education requirements as applicable (see Appendix H and F for more information)*

*Optional:* If you would like to describe progress made on any incomplete requirements listed above or provide any additional details, please use the box below:

**Phosphorus** (Combination of Impaired Waters Requirements and TMDL Requirements as Applicable)

**Annual Requirements**

*Public Education and Outreach\**

- ☒ Distributed an annual message in the spring (April/May) that encourages the proper use and disposal of grass clippings and encourages the proper use of slow-release and phosphorus-free fertilizers

- ☒ Distributed an annual message in the summer (June/July) encouraging the proper management of pet waste, including noting any existing ordinances where appropriate
- ☒ Distributed an annual message in the fall (August/September/October) encouraging the proper disposal of leaf litter

*\* Public education messages can be combined with other public education requirements as applicable (see Appendix H and F for more information)*

#### *Good Housekeeping and Pollution Prevention for Permittee Owned Operations*

- ☒ Increased street sweeping frequency of all municipal owned streets and parking lots subject to Permit part 2.3.7.a.iii.(c) to a minimum of two times per year (spring and fall)

#### *Potential structural BMPs*

- ☐ Any structural BMPs already existing or installed in the regulated area by the permittee or its agents was tracked and the phosphorus removal by the BMP was estimated consistent with Attachment 3 to Appendix F. The BMP type, total area treated by the BMP, the design storage volume of the BMP and the estimated phosphorus removed in mass per year by the BMP were documented.

- ☐ The BMP information is attached to the email submission
- ☐ The BMP information can be found at the following website:

*Optional:* If you would like to describe progress made on any incomplete requirements listed above or provide any additional details, please use the box below:

Devens does not currently have any impaired water bodies with an approved TMDL for phosphorus. Devens does have direct discharges to water bodies that are impaired for phosphorus or that are tributary to water bodies that are impaired for phosphorus without an approved TMDL. Appendix H requires Devens to track and estimate the amount of phosphorus removed by structural BMPs installed as a result of the BMP retrofit analysis to be conducted as part of the Phosphorus Source Identification Report for the Nashua River watershed, which must be completed by the end of Permit Year 6. As required by the permit, at least one structural BMP must be installed by the end of Permit Year 8. Appendix H does not require permittees to estimate the amount of phosphorus removed by existing structural BMPs -- that is only a requirement for permittees discharging to a waterbody with an existing TMDL for phosphorus and therefore not applicable to Devens. However, once Devens begins installation of structural BMPs as identified as part of their Phosphorus Source Identification Report, they will track and estimate the phosphorus removed by the BMP consistent with Attachment 3 to Appendix F.

Under their updated post-construction stormwater management regulations (974 CMR), Devens will be tracking phosphorus removal attributable to structural BMPs on private developments. This effort will ensure that phosphorus reduction requirements are being met for new development and redevelopment, and will be useful should a TMDL be approved for the phosphorus-impaired waterbodies in Devens.

*Optional:* Use the box below to provide any additional information you would like to share as part of your self-assessment:

The terms of the settlement agreement dated December 28, 2020, between the Conservation Law Foundation, Inc., and the Massachusetts Development Finance Agency, includes implementation deadlines that MassDevelopment met during Permit Year 4. The required regulatory updates included in the settlement

agreement were integrated with updates MassDevelopment and the Devens Enterprise Commission made to their regulations to meet MS4 Permit requirements-- the updated 974 CMR sections were adopted at a public hearing on May 25, 2021, ahead of the February 2022 deadline outlined in the settlement.

In accordance with the settlement, MassDevelopment developed a preliminary ranking of their stormwater catchment areas based on calculated phosphorus loadings to receiving waters. A list of potential retrofit projects in the highest-ranked catchment areas was developed and is in the process of being prioritized for implementation. MassDevelopment and CLF will work to develop a final list of projects and an implementation schedule that is acceptable for both parties, and the first two retrofit projects will be complete within five (5) years of the settlement effective date, or by February 5, 2026.

### Part III: Receiving Waters/Impaired Waters/TMDL

Have you made any changes to your lists of receiving waters, outfalls, or impairments since the NOI was submitted? Make sure you are referring to the most recent EPA approved Section 303(d) Impaired Waters List which can be found here: <https://www.epa.gov/tmdl/region-1-impaired-waters-and-303d-lists-state>

☒ Yes

☐ No

If yes, describe below, including any relevant impairments or TMDLs:

Any updates as they relate to receiving waters, outfalls and impairments are reflected in the latest version of Devens' SWMP dated June 2022.

## Part IV: Minimum Control Measures

*Part IV includes some of the metrics that will be required in upcoming annual reports. For this annual report, please report on MCM1 and MCM2 and any other metrics below that have an asterisk (\*), along with any other metrics that you have started within this reporting period. Other than the metrics with an asterisk, the rest of the metrics are optional for new permittees. Then, proceed to Part V.*

### \*MCM1: Public Education

Number of educational messages completed **during this reporting period:**

*Below, report on the educational messages completed **during this reporting period**. For the measurable goal(s) please describe the method/measures used to assess the overall effectiveness of the educational program.*

#### **BMP: Webpage**

Message Description and Distribution Method:

The Devens Enterprise Commission continued to maintain stormwater information on its website. The information is on the "Devens Residents" page under the "Living Green: Resources for Devens Residents and Businesses" subheading: <http://www.devensec.com/residents.html>. Information is also posted on the DEC's "News and Events" page under the subheading "Devens Stormwater Management Education and Awareness Initiative": <https://www.devensec.com/news.html>. Flyers are posted on the News and Events page specifically targeting Devens residents and business owners in the Nashua River watershed.

Targeted Audience:

Responsible Department/Parties:

Measurable Goal(s):

Message Date(s):

Message Completed for:    Appendix F Requirements ☐    Appendix H Requirements ☐

Was this message different than what was proposed in your NOI?    Yes ☐    No ☒

If yes, describe why the change was made:

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#### **BMP: Web Page/Handout**

Message Description and Distribution Method:

The Devens Enterprise Commission continued to maintain stormwater-related materials, documentation, regulations, and procedures on their website during the reporting period. All regulations specific to developers and industrial facilities are easily accessible on the "Development Services" page of the DEC website: <http://www.devensec.com/devserv.html>. Additional information continued to be provided on the "Sustainable

Devens" page: <http://www.devensec.com/sustain.html>, and the DEC's Green Infrastructure Guidelines were posted to the website as well distributed to some prospective developers in person: [http://www.devensec.com/development/Green\\_Infrastructure\\_Guidelines\\_Final\\_8-12-14.pdf](http://www.devensec.com/development/Green_Infrastructure_Guidelines_Final_8-12-14.pdf)

Targeted Audience: Developers (construction). Industrial facilities

Responsible Department/Parties: MassDevelopment (Operations/Engineering)/Devens Enterprise Commission

Measurable Goal(s):

By continuing to make this information available on its website, Devens informs potential developers of the environmental requirements associated with construction in the Devens Enterprise Zone, raising awareness of Low-Impact Development and Green Infrastructure practices.

Message Date(s): FY2022

Message Completed for: Appendix F Requirements ☐ Appendix H Requirements ☐

Was this message different than what was proposed in your NOI? Yes ☐ No ☒

If yes, describe why the change was made:

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### **BMP: Web Page**

Message Description and Distribution Method:

Devens maintained the Devens Community website during the permit term, which provides educational information to residents, business owners, and prospective developers. The website includes direct links to Devens' Stormwater Management Rules & Regulations, flyers discussing proper pet waste, yard waste, and leaf litter disposal, and a stormwater pollution prevention guide for homeowners. The stormwater webpage is located under the "Engineering" heading at this link: <https://www.devenscommunity.com/live/>

Targeted Audience: Residents, Businesses, institutions and commercial facilities, Developers

Responsible Department/Parties: MassDevelopment

Measurable Goal(s):

The website was maintained and available to the public throughout the permit year. Overall, the Devens Community website had 23,634 views during the permit year, however it was not possible to attribute views to specific sub-sections or pages of the website. MassDevelopment was working to develop a tool to more accurately track webpage and PDF views during the permit year, however development will continue into FY2023 due to budget and time constraints.

Message Date(s): FY2022

Message Completed for: Appendix F Requirements ☐ Appendix H Requirements ☒

Was this message different than what was proposed in your NOI? Yes ☐ No ☒

If yes, describe why the change was made:



**BMP: Social Media**

## Message Description and Distribution Method:

The Devens Enterprise Commission has active Facebook and Twitter pages, which were used to spread educational information about stormwater management, climate change, and nature-based solutions during the reporting period. These posts are intended for multiple target audiences, as they range in topic from sustainable housing to the Devens' Complete Streets policy to the Devens Climate Action Toolkit for Businesses.

Targeted Audience: Residents, Businesses, institutions, and commercial facilities, Developers (construction)

Responsible Department/Parties: DEC

## Measurable Goal(s):

The DEC Facebook page has 324 followers, and the Twitter page has 49 followers. The social media postings reached these followers during the permit year.

Message Date(s): FY2022

Message Completed for: Appendix F Requirements ☐ Appendix H Requirements ☐

Was this message different than what was proposed in your NOI? Yes ☐ No ☐

If yes, describe why the change was made:

**BMP: Virtual Course**

## Message Description and Distribution Method:

The DEC produced an on-line course on Green Infrastructure for Green Roofs for the Healthy Cities Living Architecture Academy: <https://livingarchitectureacademy.com/p/street-trees-and-community-wellbeing>  
This course features the Devens Green Infrastructure Guidelines and was viewed by people throughout North America.

Additionally, Devens continued to maintain access to its green infrastructure guidelines through the Apple Country Natural Climate Solutions Project Report, which was developed in conjunction with Harvard and Bolton, MA under an initiative funded by the Municipal Vulnerability Preparedness (MVP) program: <https://climateresilient.wixsite.com/applecountry/project-story>

Targeted Audience: Businesses, Institutions and Commercial Facilities; Developers (construction)

Responsible Department/Parties: MassDevelopment/Devens Enterprise Commission

## Measurable Goal(s):

By collaborating with the towns of Harvard and Bolton and with the Healthy Cities Living Architecture Academy, Devens expanded their public education efforts to a regional and national scale.

Message Date(s): Permit Year 4

Message Completed for: Appendix F Requirements ☐ Appendix H Requirements ☐

Was this message different than what was proposed in your NOI? Yes ☐ No ☒

If yes, describe why the change was made:

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### **BMP: Messaging with Pet Licenses**

Message Description and Distribution Method:

Devens continued to include an insert regarding proper pet waste collection and disposal with the issuance and renewal of dog licenses. Pet waste collection bags were made available at the licensing counter for residents. Devens also continued to maintain and empty four pet waste disposal bins located along popular walking routes. The bins are emptied on Mondays and Fridays.

Targeted Audience: Residents

Responsible Department/Parties: MassDevelopment

Measurable Goal(s):

Devens issued 55 dog licenses with the accompanying educational information during the reporting period.

Message Date(s): FY2022

Message Completed for: Appendix F Requirements ☐ Appendix H Requirements ☒

Was this message different than what was proposed in your NOI? Yes ☐ No ☒

If yes, describe why the change was made:

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Add an Educational Message

### **\*MCM2: Public Participation**

Describe the opportunity provided for public involvement in the development of the Stormwater Management Program (SWMP) **during this reporting period:**

Devens keeps their SWMP posted on their website for public review year-round. Hard copies of the SWMP are also kept at the MassDevelopment offices, the DEC office, and at the Department of Public Works.- Devens' MS4 Annual Reports for Years 1, 2 & 3 are also maintained on their website.

Was this opportunity different than what was proposed in your NOI? Yes ☐ No ☒

**Describe any other public involvement or participation opportunities conducted during this reporting period:**

Devens continued to provide public access to the recycling drop-off at the DPW facility and to provide access to the Regional Household Hazardous Products Collection Center during the reporting period, encouraging residents and business owners to properly handle all hazardous waste leaving their property. Yard waste was again collected on a weekly basis between April 1 and November 30 during the reporting period. Devens also continued to participate in the Eco-Efficiency Center, providing programs to assist local businesses in reducing the amount of waste they generate and the associated disposal costs, such as the Great Exchange program. Devens is in the planning stages of developing a stormwater-based curriculum for students in conjunction with the Nashua River Watershed Association. This curriculum will be developed and implemented in future permit years. Additionally, MassDevelopment holds monthly meetings with the Devens Committee, or a group representing the residents of Devens, and informs them of any projects, recently completed reports, or other items related to the MS4 Permit.

During the week of August 23 to August 29, 2021, the Town hosted an in-person community cleanup and a raffle for those who participated and posted on social media throughout the week.

Devens also participated in the Nashua River Watershed Association, attending multiple meetings and participating as a voting member to the Wild and Scenic River Stewardship Council.

The Devens Enterprise Commission engaged with graduate students in Tufts University's Urban and Environmental Policy and Planning program to develop multiple green and complete streets design alternatives for Goddard Street. This project allowed the students to implement Devens' green and complete streets policies for a development-in-progress, and a public facing report is available on the DEC website: [https://www.devensec.com/news/Devens\\_FinalReport\\_OnlineVersion.pdf](https://www.devensec.com/news/Devens_FinalReport_OnlineVersion.pdf)

### **MCM3: Illicit Discharge Detection and Elimination (IDDE)**

#### **\*Sanitary Sewer Overflows (SSOs)**

*Check off the box below if the statement is true.*

☐ This SSO section is NOT applicable because we DO NOT have sanitary sewer

*Below, report on the number of SSOs identified in the MS4 system and removed during this reporting period.*

Number of SSOs identified:

Number of SSOs removed:

*Below, report on the total number of SSOs identified in the MS4 system and removed to date. At a minimum, report SSOs identified since the effective date of the permit (July 1, 2018).*

Total number of SSOs identified:

Total number of SSOs removed:

#### **MS4 System Mapping**

*Below, check all that apply.*

The following elements of the Phase I map have been completed:

- ☒ Outfalls and receiving waters
- ☒ Open channel conveyances
- ☒ Interconnections
- ☒ Municipally-owned stormwater treatment structures
- ☒ Waterbodies identified by name and indication of all use impairments
- ☒ Initial catchment delineations

Describe any additional progress you made on your map during this reporting period or provide additional status information regarding your map:

Devens is continuously updating its MS4 mapping, specifically the ownership status of its infrastructure. All changes to the MS4 map have been reflected in the SWMP.

### **Screening of Outfalls/Interconnections**

*If conducted, please submit any outfall monitoring results from this reporting period. Outfall monitoring results should include the date, outfall/interconnection identifier, location, weather conditions at time of sampling, precipitation in previous 48 hours, field screening parameter results, and results from all analyses. Please also include the updated inventory and ranking of outfalls/interconnections based on monitoring results.*

- ☒ No outfalls were inspected
- ☒ The outfall screening data is attached to the email submission
- ☐ The outfall screening data can be found at the following website:

*Below, report on the number of outfalls/interconnections screened **during this reporting period**.*

Number of outfalls screened:

*Below, report on the percent of outfalls/interconnections screened **to date**.*

Percent of outfalls screened:

*Optional: Provide additional information regarding your outfall/interconnection screening:*

### **Catchment Investigations**

*If conducted, please submit all data collected **during this reporting period** as part of the dry and wet weather investigations. Also include the presence or absence of System Vulnerability Factors for each catchment.*

- ☒ No catchment investigations were conducted
- ☐ The catchment investigation data is attached to the email submission
- ☐ The catchment investigation data can be found at the following website:

*Below, report on the number of catchment investigations completed **during this reporting period**.*

Number of catchment investigations completed this reporting period:

*Below, report on the percent of catchments investigated **to date**.*

Percent of total catchments investigated:

*Optional: Provide any additional information for clarity regarding the catchment investigations below:*

### **IDDE Progress**

*If illicit discharges were found, please submit a document describing work conducted over this reporting period, and cumulative to date, including location source; description of the discharge; method of discovery; date of discovery; and date of elimination, mitigation, or enforcement OR planned corrective measures and schedule of removal.*

- ☒ No illicit discharges were found  
☐ The illicit discharge removal report is attached to the email submission  
☐ The illicit discharge removal report can be found at the following website:

*Below, report on the number of illicit discharges identified and removed, along with the volume of sewage removed **during this reporting period**.*

Number of illicit discharges identified:

Number of illicit discharges removed:

Estimated volume of sewage removed:  gallons/day

*Below, report on the total number of illicit discharges identified and removed to date. At a minimum, report on the number of illicit discharges identified and removed **since the effective date of the permit (July 1, 2018)**.*

Total number of illicit discharges identified:

Total number of illicit discharges removed:

*Optional: Provide any additional information for clarity regarding illicit discharges identified, removed, or planned to be removed below:*

### **Employee Training**

Describe the frequency and type of employee training if conducted **during this reporting period**:

The annual IDDE training was not completed during this reporting period and will begin in Year 5, alongside the implementation of the IDDE plan that was finalized during this permit year (Year 4).

**MCM4: Construction Site Stormwater Runoff Control**

*Below, report on the construction site plan reviews, inspections, and enforcement actions completed **during this reporting period**.*

Number of site plan reviews completed: 10

Number of inspections completed: 41

Number of enforcement actions taken: 0

*Optional:* Enter any additional information relevant to construction site plan reviews, inspections, and enforcement actions:

**MCM5: Post-Construction Stormwater Management in New Development and Redevelopment****\*As-built Drawings**

Describe the status of the measures the MS4 has utilized to require the submission of as-built drawings and ensure long term operation and maintenance of completed construction sites:

Devens' existing regulations, prior to the updates in Year 3, required the submission of as-built drawings at the completion of construction and required long term operation and maintenance plans for on-site stormwater management systems to be submitted prior to project approval. No changes were made to these measures during Permit Year 4.

**Street Design and Parking Lots Report**

Describe the status of the street design and parking lots assessment including any planned or completed changes to local regulations and guidelines:

Devens requires and incorporates LID practices for all public and private stormwater management projects where feasible. The Devens Enterprise Commission has parking maximums in place, as opposed to the minimums that other communities impose, as well as a Transportation Demand Management Program to reduce parking. 974 CMR 2.07, Street Design Standards, includes additional street types to reduce pavement and support LID. Sustainable indicators, such as impervious surface reductions from the incorporation of LID on private development projects, are monitored and tracked. The required street design and parking lots assessment report will be developed in Permit Year 6.

## **Green Infrastructure Report**

Describe the status of the green infrastructure report including the findings and progress towards making the practice allowable:

Devens continues to use and improve on green infrastructure guidelines to guide, regulate, and incentivize green infrastructure on all development and redevelopment projects: [https://devensec.com/development/Green\\_Infrastructure\\_Guidelines\\_Final\\_8-12-14.pdf](https://devensec.com/development/Green_Infrastructure_Guidelines_Final_8-12-14.pdf)

Impervious surface reductions in Devens are monitored in Sustainable Indicators Reports, and LID practices are required for stormwater management projects where feasible. Devens will develop the required green infrastructure report in Permit Year 6.

## **Retrofit Properties Inventory**

Describe the status of the inventory of permittee-owned properties that could be modified or retrofitted with BMPs to mitigate impervious areas and report on any properties that have been modified or retrofitted:

Devens will begin to assemble the retrofit properties inventory in Permit Year 6, as outlined in the SWMP, and as required in the permit for new permittees. Some overlap may exist between this retrofit property inventory and the list of retrofit projects developed to meet the terms of the settlement with CLF, discussed above. Many retrofit projects implemented to date, including road diets on Pine Road, Grant Road, Hospital Road, Lovell Street, the Bristol-Meyers Squibb (BMS) parking structure, and at the military redevelopment on Barnum Road; porous pavement at CMTC and Tara Vista; and other LID projects have mitigated impervious area within the Devens Enterprise Zone.

As part of the Hospital Road road reconstruction project, three existing separate drainage branches from Hospital Road, Elliot Road and Perimeter Road were replaced (deep sump catch basins were added) and were combined into one network, which conveys stormwater into a new infiltration basin and provides required recharge, attenuation of peak flows, and water quality treatment. Two outfalls discharging directly to Catacoonamug Brook, which flows into the Nashua River, which is impaired for phosphorus, were eliminated as part of this effort.

## **MCM6: Good Housekeeping**

### **\*Catch Basin Cleaning**

- ☒ The catch basin cleaning optimization plan or schedule is not complete
- ☐ The catch basin cleaning optimization plan or schedule is attached to the email submission
- ☐ The catch basin cleaning optimization plan or schedule can be found at the following website:

*Below, report on the number of catch basins inspected and cleaned, along with the total volume of material removed from the catch basins **during this reporting period**.*

Number of catch basins inspected:



Number of catch basins cleaned: Total volume or mass of material removed from all catch basins:  cubic feet

*Below, report on the total number of catch basins in the MS4 system, if known.*

Total number of catch basins: 

*If applicable:*

Report on the actions taken if a catch basin sump is more than 50% full during two consecutive routine inspections/cleaning events:

MassDevelopment inspected 305 catch basins during the reporting period, and cleaned 208 catch basins. Catch basin cleaning crews collect inspection and cleaning data electronically, and at the time this report was compiled, the DPW was having technical difficulties and was unable to extract the data collected during the reporting period from the iPads used in the field that indicated the precise amount of material that was removed. However, no catch basin that was cleaned was found to have a sump that was more than 50% full. MassDevelopment will submit the amount of material that was removed from catch basins cleaned during Permit Year 4, with the Year 5 Annual Report once the technical difficulties are solved and the data can be processed.

**\*Street Sweeping**

- ☐ The written procedures for sweeping streets and municipal-owned lots is not complete
- ☐ The written procedures for sweeping streets and municipal-owned lots is attached to the email submission
- ☒ The written procedures for sweeping streets and municipal-owned lots can be found at the following website:

*Report on street sweeping completed **during this reporting period** using one of the three metrics below.*

☐ Number of miles cleaned: ☒ Volume of material removed: ☐ Weight of material removed: 

*If applicable:*

For rural uncurbed roadways with no catch basins, describe the progress of the inspection, documentation, and targeted sweeping plan:

The procedures for sweeping these roads are included in the O&M procedures attached to the SWMP and can be accessed here: <https://www.devenscommunity.com/live/>

**\*O&M Procedures and Inventory of Permittee-Owned Properties**

*Below, check all that apply.*

The following permittee-owned properties have been inventoried:



- ☒ Parks and open spaces
- ☒ Buildings and facilities
- ☒ Vehicles and equipment

The following O&M procedures for permittee-owned properties have been completed:

- ☒ Parks and open spaces
- ☒ Buildings and facilities
- ☒ Vehicles and equipment

**\*Winter Road Maintenance**

- ☐ The written procedures for winter road maintenance including the storage of salt and sand is not complete
- ☐ The written procedures for winter road maintenance including the storage of salt and sand is attached to the email submission
- ☒ The written procedures for winter road maintenance including storage of salt and sand can be found at the following website:

<https://www.devenscommunity.com/live/>

**\*Stormwater Pollution Prevention Plan (SWPPP)**

*Below, report on the number of site inspections for facilities that require a SWPPP completed **during this reporting period.***

Number of site inspections completed:

Describe any corrective actions taken at a facility with a SWPPP:

No site inspections or corrective actions were taken due to the finalization of the SWPPP for the DPW facility and the Devens Regional Household Hazardous Products Collection Center during the current permit year (FY2022). These two sites are on the same parcel of land. The plan will be implemented, alongside quarterly SWPPP site inspections, during Permit Year 5 and continue for the permit duration.

## Part V: Additional Information

### **\*Monitoring or Study Results**

*Results from any other stormwater or receiving water quality monitoring or studies conducted during the reporting period not otherwise mentioned above, where the data is being used to inform permit compliance or permit effectiveness must be attached.*

- ☒ Not applicable
- ☐ The results from additional reports or studies are attached to the email submission
- ☐ The results from additional reports or studies can be found at the following website(s):

If such monitoring or studies were conducted on your behalf or if monitoring or studies conducted by other entities were reported to you, a brief description of the type of information gathered or received shall be described below:

### **Additional Information**

*Optional:* Enter any additional information relevant to your stormwater management program implementation during the reporting period. Include any BMP modifications made by the MS4 if not already discussed above:

### **COVID-19 Impacts**

*Optional:* If any of the above year 4 requirements could not be completed due to the impacts of COVID-19, please identify the requirement that could not be completed, any actions taken to attempt to complete the requirement, and reason the requirement could not be completed below:

### **\*Activities Planned for Next Reporting Period**

Please confirm that your SWMP has been, or will be, updated to comply with all applicable permit requirements including but not limited to the year 4 requirements summarized below. (Note: impaired waters and TMDL requirements are not listed below)

Yes, I agree ☒

- Complete IDDE ordinance
- Complete Construction/ Erosion and Sediment Control (ESC) ordinance
- Develop written IDDE plan including a procedure for screening and sampling outfalls
- Develop a written catchment investigation procedure and added the procedure to the SWMP

Annual Requirements

- Annual report submitted and available to the public
- Annual opportunity for public participation in review and implementation of SWMP
- Keep records relating to the permit available for 5 years and make available to the public
- Properly store and dispose of catch basin cleanings and street sweepings so they do not discharge to receiving waters
- Continue public education and outreach program
- Sweep all curbed roadways at least once within the reporting period
- Provide training within the reporting period to employees involved in IDDE program
- Clean catch basins in accordance with catch basin cleaning procedures to ensure that no catch basin is greater than 50% full

Provide any additional details on activities planned for permit year 5 below:

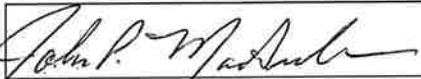
**\*Part VI: Certification of Small MS4 Annual Report 2021****40 CFR 144.32(d) Certification**

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: John P. Marc-Aurele, PE

Title: Director of Engineering

Signature:

  
[Signatory may be a duly authorized representative]

Date: 9/28/22