



July 13, 2021

Silvio Genao, P.E.  
Superintendent of Public Works  
Town of Eastham  
555 Old Orchard Road  
Eastham, MA 02642

**RE: NPDES Phase II Stormwater Assistance  
Pollution Prevention & Good Housekeeping for Municipal Operations  
Stormwater Treatment Structure Inspections**

Dear Ms. Genao,

On April 13, 2016, the Environmental Protection Agency (EPA) released the General Permit for Stormwater Discharges from Small Municipal Separate Storm Sewer Systems in Massachusetts, which became effective July 1, 2018. The Permit imposes a host of new requirements for the Town of Eastham and all communities under its jurisdiction.

In order to address the Permit requirements (Section 2.3.7.a.iii.6) for the stormwater treatment structure inspections, Environmental Partners Inc. (EP) completed observations on all of the Town's 17 previously identified stormwater treatment structures (BMPs) to provide inventory and condition data. EP was unable to assess the conditions of BMP-16 and BMP-17 because they are underground detention chambers. The location of the inspected BMPs are shown on attached Figure 1 and the inspection results are summarized in Table 1. Completed BMP inspection data forms with photographs are also attached.

BMP site visits were conducted by EP personnel on February 23, 2021 and inspection results are summarized below:

ID	BMP Type	Inspection Summary
BMP-1	Deep Sump Catch Basin	Continue to regularly clean catch basins and leaching pit to prevent excess sediment from flowing into the infiltration beds.
BMP-2	Deep Sump Catch Basin	Continue to keep the catch basin grates clear of garbage and remove sediment from the catch basin and manhole structures as needed.
BMP-3	Leaching Catch Basin	This BMP requires regular inspection and cleaning as it is located next to a sandy beach. Consider redesigning the asphalt berm around the catch basin to prevent sand erosion.
BMP-4	Leaching Catch Basin	Crushed pipe should be cleaned out and inspected to determine connectivity. Lower level of standing water in the structure indicates that water is leaching out at a slow rate.

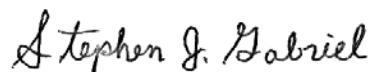
		Catch basin should be cleaned out to determine the cause of water retention.
BMP-5	Leaching Catch Basin	Crushed pipe should be cleaned out and inspected to determine connectivity. Sediment and leaves need to be cleaned out. Absence of standing water in the structure indicates that water is leaching out.
BMP-6	Leaching Basin	Catch basin appears to connect to a buried leaching facility in the driveway to the South East.
BMP-7	Leaching Catch Basin	Standing water in the structure indicates the structure is clogged and water is leaching out at a slow rate. Catch basin should be cleaned out to determine the cause of water retention.
BMP-8	Leaching Catch Basin	Sediment needs to be removed on a regular basis. No standing water indicates that the leaching CB is functioning.
BMP-9	Leaching Catch Basin	Sediment needs to be removed on a regular basis. Consider replacing broken grate.
BMP-10	Leaching Catch Basin	The designed intent of this BMP needs to be identified by town personnel or design drawings.
BMP-11	Leaching Catch Basin	Brush should be maintained to allow access to the leaching basin. Sediment in the leaching catch basin and the leaching pit needs to be removed. This BMP should be inspected on a regular basis and cleaned out as needed.
BMP-12	Leaching Basin	Brush should be maintained to allow access to the leaching basin. Design plans should be reviewed to determine if standing water is groundwater.
BMP-13	Leaching Basin	Leaching basin should be inspected regularly and cleaned out as necessary.
BMP-14	Bioretention Area / Rain Garden	Weeds need to be removed from the BMP. Increase vegetation on bare slide slopes.
BMP-15	Bioretention Area / Rain Garden	Weeds and trash need to be removed from the BMP. Increase vegetation on bare side slopes.
BMP-16	Subsurface Structure	There is no access to this BMP. Should be maintained as recommended by the manufacturer.
BMP-17	Subsurface Structure	There is no access to this BMP. Should be maintained as recommended by the manufacturer.

We very much appreciate the opportunity to work with the Town of Eastham on this project. Please call or e-mail us if you have any questions or require additional information.

Sincerely,



Environmental Partners  
Scott D. Turner, PE, AICP, LEED AP ND  
Director of Planning  
P: 617.657.0280  
E: sdt@envpartners.com



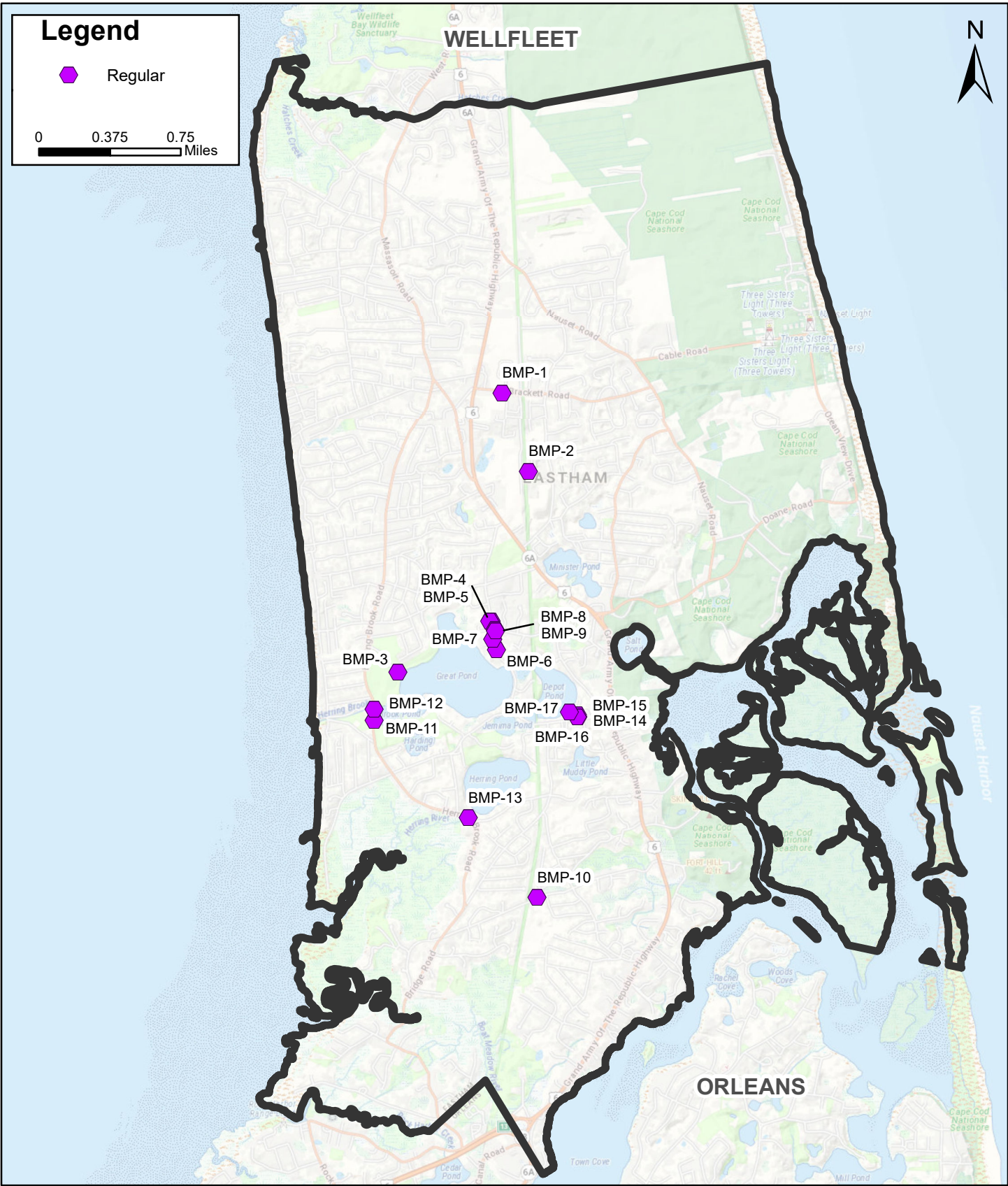
Environmental Partners  
Stephen J. Gabriel  
Project Scientist  
P: 617.657.0263  
E: sjg@envpartners.com

**CC:** Jane Crowley – Health Agent  
Jacqueline Beebe – Eastham Town Administrator  
Mark White – EP

**Figures:** 1. BMP Inspection Locations

**Tables:** 1. Stormwater BMP Inspection Table

**Attachments:** BMP Inspection Data Forms



**Figure 1: BMP Inspection Locations  
Eastham, Massachusetts**

**ENVIRONMENTAL  
PARTNERS**



**Table 1: Stormwater BMP Inspection Table**

BMP ID	Date	Weather	Location	BMP Category	BMP Type	Type of Inspection	Invasive Species	Soil Erosion	Excess Vegetation	Dead Vegetation	Excess Salt	Trash/ Debris	Oil/Grease	Excess Sediment	Outlet Condition	Inlet/Outlet Condition	Outlet Erosion	Cracking	Clogging	Other
BMP-1	2/23/2021	Clear	In front of Dory Ln & Sams Deli	Structural Pretreatment BMP	Deep Sump Catch Basin	Regular	Not Applicable	Satisfactory	Satisfactory	Not Applicable	Not Applicable	Unsatisfactory	Satisfactory	Satisfactory	Not Applicable	Satisfactory	Not Applicable	Not Applicable	Satisfactory	Satisfactory
BMP-2	2/23/2021	Clear	South of metal pile at transfer station	Structural Pretreatment BMP	Deep Sump Catch Basin	Regular	Not Applicable	Satisfactory	Satisfactory	Not Applicable	Not Applicable	Satisfactory	Satisfactory	Satisfactory	Not Applicable	Satisfactory	Not Applicable	Not Applicable	Satisfactory	Satisfactory
BMP-3	2/23/2021	Clear	Wiley Park - outside front of bath house	Infiltration BMP	Leaching Catch Basin	Regular	Not Applicable	Unsatisfactory	Not Applicable	Not Applicable	Not Applicable	Satisfactory	Not Applicable	Unsatisfactory	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Satisfactory	Satisfactory
BMP-4	2/23/2021	Clear	Great Pond Rd. -- east side, directly across from 555 Great Pond Rd. driveway	Infiltration BMP	Leaching Catch Basin	Regular	Not Applicable	Satisfactory	Not Applicable	Not Applicable	Not Applicable	Satisfactory	Not Applicable	Unsatisfactory	Not Applicable	Unsatisfactory	Not Applicable	Not Applicable	Unsatisfactory	Satisfactory
BMP-5	2/23/2021	Clear	Great Pond Rd - west side - north side of driveway to 555 Great Pond Rd	Infiltration BMP	Leaching Catch Basin	Regular	Not Applicable	Satisfactory	Not Applicable	Not Applicable	Not Applicable	Satisfactory	Not Applicable	Unsatisfactory	Not Applicable	Unsatisfactory	Not Applicable	Not Applicable	Satisfactory	Satisfactory
BMP-6	2/23/2021	Clear	Great Pond Rd - east side. North corner of driveway at 380 Great Pond Rd.	Infiltration BMP	Leaching Basin	Regular	Not Applicable	Satisfactory	Not Applicable	Not Applicable	Not Applicable	Satisfactory	Not Applicable	Satisfactory	Not Applicable	Satisfactory	Not Applicable	Not Applicable	Satisfactory	Satisfactory
BMP-7	2/23/2021	Clear	Great Pond Rd. - East side of road - ~ 45' North of house 425 driveway.	Infiltration BMP	Leaching Catch Basin	Regular	Not Applicable	Satisfactory	Not Applicable	Not Applicable	Not Applicable	Satisfactory	Not Applicable	Satisfactory	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Unsatisfactory	Satisfactory
BMP-8	2/23/2021	Clear	Catch basin - Locust Rd. - North side ~75' East of intersection with Great Pond Rd.	Infiltration BMP	Leaching Catch Basin	Regular	Not Applicable	Satisfactory	Not Applicable	Not Applicable	Not Applicable	Satisfactory	Not Applicable	Unsatisfactory	Not Applicable	Satisfactory	Not Applicable	Not Applicable	Satisfactory	Satisfactory
BMP-9	2/23/2021	Clear	Locust Rd. - South side - ~75' west of intersection with Great Pond Rd.	Infiltration BMP	Leaching Catch Basin	Regular	Not Applicable	Satisfactory	Not Applicable	Not Applicable	Not Applicable	Satisfactory	Not Applicable	Unsatisfactory	Not Applicable	Satisfactory	Not Applicable	Not Applicable	Satisfactory	Unsatisfactory
BMP-10	2/23/2021	Clear	Catch basin is located in front of 715 Governor Prence. There is an inactive bog to where water drains.	Unknown	Leaching Catch Basin	Regular	Not Applicable	Satisfactory	Satisfactory	Satisfactory	Satisfactory	Satisfactory	Satisfactory	Unsatisfactory	Unsatisfactory	Satisfactory	Satisfactory	Satisfactory	Unsatisfactory	Satisfactory
BMP-11	2/23/2021	Clear	Directly across from driveway to 1205 Herring Brook Rd.	Infiltration BMP	Leaching Catch Basin	Regular	Not Applicable	Satisfactory	Unsatisfactory	Not Applicable	Not Applicable	Satisfactory	Not Applicable	Unsatisfactory	Not Applicable	Satisfactory	Not Applicable	Not Applicable	Satisfactory	Satisfactory
BMP-12	2/23/2021	Clear	Southwest of Herring Run - South of driveway to 1295 Herring Brook Rd.	Infiltration BMP	Leaching Basin	Regular	Not Applicable	Satisfactory	Unsatisfactory	Not Applicable	Not Applicable	Satisfactory	Not Applicable	Satisfactory	Not Applicable	Satisfactory	Not Applicable	Not Applicable	Unsatisfactory	Satisfactory
BMP-13	2/23/2021	Clear	West side of Herring Brook Rd. Across from driveway of 460 Herring Brook Rd.	Infiltration BMP	Leaching Basin	Regular	Not Applicable	Satisfactory	Not Applicable	Not Applicable	Not Applicable	Satisfactory	Not Applicable	Unsatisfactory	Not Applicable	Satisfactory	Not Applicable	Not Applicable	Satisfactory	Satisfactory
BMP-14	2/23/2021	Clear	Eastham Public Library	Treatment BMP	Bioretention Area / Rain Garden	Regular	Satisfactory	Unsatisfactory	Unsatisfactory	Satisfactory	Not Applicable	Satisfactory	Satisfactory	Satisfactory	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Satisfactory	Satisfactory
BMP-15	2/23/2021	Clear	Eastham Public Library	Treatment BMP	Bioretention Area / Rain Garden	Regular	Satisfactory	Unsatisfactory	Unsatisfactory	Satisfactory	Not Applicable	Unsatisfactory	Satisfactory	Satisfactory	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Satisfactory	Satisfactory
BMP-16	2/23/2021	Clear	Eastham Public Library	Infiltration BMP	Subsurface Structure	Regular	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
BMP-17	2/23/2021	Clear	Eastham Public Library	Infiltration BMP	Subsurface Structure	Regular	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable



## Town of Eastham, BMP-1, Structural Pretreatment BMP

Created	2019-06-14 22:22:31 UTC by EPField 01
Updated	2021-07-13 17:45:37 UTC by EPField 01
Location	41.8551155654, -69.9844181418
Client	Town of Eastham
Date	2021-02-23
Time	13:31
Weather	Clear
Inspector	Stephen Gabriel

### General Information

BMP ID	BMP-1
Location	In front of Dory Ln & Sams Deli
BMP Category	Structural Pretreatment BMP
BMP Type - Structural Pretreatment	Deep Sump Catch Basin
Address	140 Brackett Rd Eastham, MA 02642
Type of Inspection	Regular
Inspection Information	

### Soil Erosion

Is Status of BMP Satisfactory?	Yes
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### Excess Vegetation

Is Status of BMP Satisfactory?	Yes
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### Trash/Debris

Is Status of BMP Satisfactory?	No
BMP Issue Location/Amount	Trash observed in basin structure.
Corrective Action Needed	Remove Trash/Debris

### Oil/Grease

Is Status of BMP Satisfactory?	Yes
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### Excess Sedimentation

Is Status of BMP Satisfactory?	Yes
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### Inlet/Outlet Condition

Is Status of BMP Satisfactory?	Yes
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### Clogging/Standing Water

Is Status of BMP Satisfactory?	Yes
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### Other Issues

Is Status of BMP Satisfactory?	Yes
Notes	Continue with regular maintenance activity.
Inspection Summary	Continue to regularly clean catch basins and leaching pit to prevent excess sediment from flowing into the infiltration beds.

Photos





## Town of Eastham, BMP-2, Structural Pretreatment BMP

Created	2019-06-27 18:04:18 UTC by EPField 01
Updated	2021-07-13 18:03:52 UTC by EPField 01
Location	41.8490844673, -69.9818257478
Client	Town of Eastham
Date	2021-02-23
Time	14:04
Weather	Clear
Inspector	Stephen Gabriel

### General Information

BMP ID	BMP-2
Location	South of metal pile at transfer station
BMP Category	Structural Pretreatment BMP
BMP Type - Structural Pretreatment	Deep Sump Catch Basin
Address	555 Old Orchard Rd Eastham, MA 02642
Type of Inspection	Regular
Inspection Information	

### Soil Erosion

Is Status of BMP Satisfactory?	Yes
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### Excess Vegetation

Is Status of BMP Satisfactory?	Yes
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### Trash/Debris

Is Status of BMP Satisfactory?	Yes
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### Oil/Grease

Is Status of BMP Satisfactory?	Yes
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### Excess Sedimentation

Is Status of BMP Satisfactory?	Yes
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### Inlet/Outlet Condition

Is Status of BMP Satisfactory?	Yes
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### Clogging/Standing Water

Is Status of BMP Satisfactory?	Yes
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### Other Issues

Is Status of BMP Satisfactory?	Yes
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Notes	Continue with regular maintenance activity.
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Inspection Summary	Catch basins appear to be functioning properly. Continue to keep the catch basin grates clear of garbage and remove sediment from the catch basin and manhole structures as needed.
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Photos



## Town of Eastham, BMP-3, Infiltration BMP

Created	2020-05-19 18:56:41 UTC by EPField 01
Updated	2021-02-23 19:16:43 UTC by EPField 01
Location	41.8338177408, -69.9956191331
Client	Town of Eastham
Date	2021-02-23
Time	14:14
Weather	Clear
Inspector	Stephen Gabriel

### General Information

BMP ID	BMP-3
Location	Wiley Park - outside front of bath house
BMP Category	Infiltration BMP
BMP Type - Infiltration	Leaching Catch Basin
Address	1400 Herring Brook Rd Eastham, MA 02642
Type of Inspection	Regular
Inspection Information	

### Soil Erosion

Is Status of BMP Satisfactory?	No
BMP Issue Location/Amount	Asphalt berm around CB is ineffective at keeping sand out
Corrective Action Needed	Build up berm to prevent sand erosion.

### Excess Vegetation

Is Status of BMP Satisfactory?	N/A
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### Trash/Debris

Is Status of BMP Satisfactory?	Yes
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### Excess Sedimentation

Is Status of BMP Satisfactory?	No
BMP Issue Location/Amount	Greater than 5' of sand in the catch basin.
Corrective Action Needed	Remove Sediment

### Inlet/Outlet Condition

Is Status of BMP Satisfactory?	N/A
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### Clogging/Standing Water

Is Status of BMP Satisfactory?	Yes
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### Other Issues

Is Status of BMP Satisfactory?	Yes
Notes	Snow pile has kept some of the sand from entering the catch basin, but it could be filled up after melting and heavy rain.

Inspection Summary

This BMP requires regular inspection and cleaning as it is located next to a sandy beach. Consider redesigning the asphalt berm around the catch basin to prevent sand erosion.

Photos



## Town of Eastham, BMP-4, Infiltration BMP

Created	2020-05-19 18:20:34 UTC by EPField 01
Updated	2021-02-23 19:01:16 UTC by EPField 01
Location	41.8376394448, -69.9859799445
Client	Town of Eastham
Date	2021-02-23
Time	13:57
Weather	Clear
Inspector	Stephen Gabriel

### General Information

BMP ID	BMP-4
Location	Great Pond Rd. -- east side, directly across from 555 Great Pond Rd. driveway
BMP Category	Infiltration BMP
BMP Type - Infiltration	Leaching Catch Basin
Address	500 Great Pond Rd Eastham, MA 02642
Type of Inspection	Regular
Inspection Information	

### Soil Erosion

Is Status of BMP Satisfactory?	Yes
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### Excess Vegetation

Is Status of BMP Satisfactory?	N/A
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### Trash/Debris

Is Status of BMP Satisfactory?	Yes
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### Excess Sedimentation

Is Status of BMP Satisfactory?	No
BMP Issue Location/Amount	CB grate clogged with sediment
Corrective Action Needed	Remove Sediment

### Inlet/Outlet Condition

Is Status of BMP Satisfactory?	No
BMP Issue Location/Amount	Crushed and clogged corrugated metal pipes in in North and South directions
Corrective Action Needed	Clean outlet and determine inlet/discharge location

### Clogging/Standing Water

Is Status of BMP Satisfactory?	No
BMP Issue Location/Amount	Very slow leaching rate, no standing water in BMP-5 across the street
Corrective Action Needed	Clean out and inspect

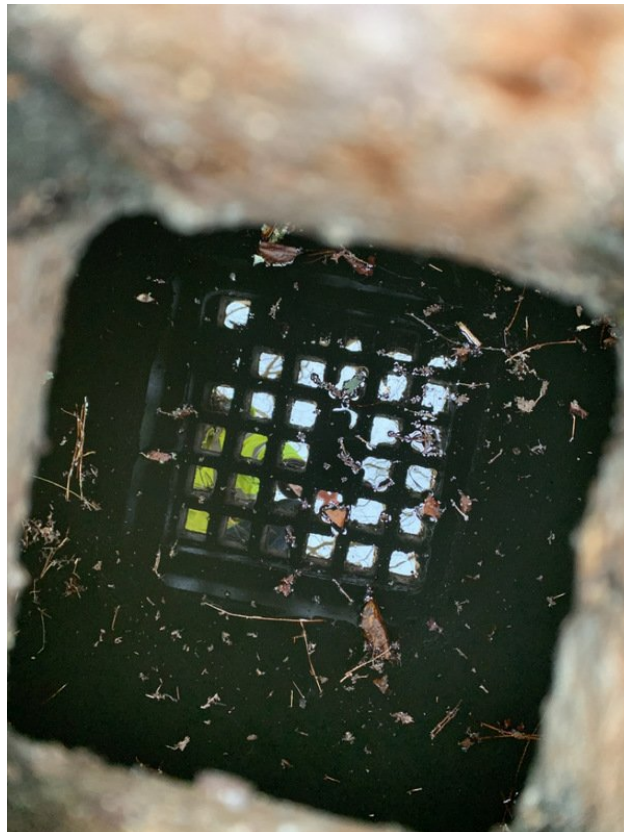
### Other Issues

Is Status of BMP Satisfactory?	Yes
Notes	Standing water has lowered since 2019 inspection.

Inspection Summary

Crushed pipe should be cleaned out and inspected to determine connectivity. Presence of standing water in the structure indicates that water is leaching out at a slow rate. Catch basin should be cleaned out to determine the cause of water retention.

Photos



## Town of Eastham, BMP-5, Infiltration BMP

Created	2020-05-19 18:19:47 UTC by EPField 01
Updated	2021-02-23 19:00:22 UTC by EPField 01
Location	41.8376264555, -69.9861200899
Client	Town of Eastham
Date	2021-02-23
Time	14:00
Weather	Clear
Inspector	Stephen Gabriel

### General Information

BMP ID	BMP-5
Location	Great Pond Rd - west side - north side of driveway to 555 Great Pond Rd
BMP Category	Infiltration BMP
BMP Type - Infiltration	Leaching Catch Basin
Address	575 Great Pond Rd Eastham, MA 02642
Type of Inspection	Regular
Inspection Information	

### Soil Erosion

Is Status of BMP Satisfactory?	Yes
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### Excess Vegetation

Is Status of BMP Satisfactory?	N/A
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### Trash/Debris

Is Status of BMP Satisfactory?	Yes
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### Excess Sedimentation

Is Status of BMP Satisfactory?	No
BMP Issue Location/Amount	Leaves, pine needles and debris in basin
Corrective Action Needed	Remove Sediment

### Inlet/Outlet Condition

Is Status of BMP Satisfactory?	No
BMP Issue Location/Amount	Crushed corrugated metal pipe running south from/to this catch basin
Corrective Action Needed	Clean outlet and determine inlet/discharge location

### Clogging/Standing Water

Is Status of BMP Satisfactory?	Yes
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### Other Issues

Is Status of BMP Satisfactory?	Yes
Notes	Barrel block structure seemingly leaches water.
Inspection Summary	Crushed pipe should be cleaned out and inspected to determine connectivity. Sediment and leaves need to be cleaned out. Absence of standing water in the structure indicates that water is leaching out.

Photos



## Town of Eastham, BMP-6, Infiltration BMP

Created	2020-05-19 16:53:50 UTC by EPField 01
Updated	2021-02-23 19:06:58 UTC by EPField 01
Location	41.8354424737, -69.9854622781
Client	Town of Eastham
Date	2021-02-23
Time	14:06
Weather	Clear
Inspector	Stephen Gabriel

### General Information

BMP ID	BMP-6
Location	Great Pond Rd - east side. North corner of driveway at 380 Great Pond Rd.
BMP Category	Infiltration BMP
BMP Type - Infiltration	Leaching Basin
Address	400 Great Pond Rd Eastham, MA 02642
Type of Inspection	Regular
Inspection Information	

### Soil Erosion

Is Status of BMP Satisfactory?	Yes
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### Excess Vegetation

Is Status of BMP Satisfactory?	N/A
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### Trash/Debris

Is Status of BMP Satisfactory?	Yes
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### Excess Sedimentation

Is Status of BMP Satisfactory?	Yes
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### Inlet/Outlet Condition

Is Status of BMP Satisfactory?	Yes
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### Clogging/Standing Water

Is Status of BMP Satisfactory?	Yes
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### Other Issues

Is Status of BMP Satisfactory?	Yes
Notes	Barrel Block structure with Corrugated Metal outlet towards SSE direction
Inspection Summary	Catch basin appears to connect to a buried leaching facility in the driveway to the South East.

Photos



## Town of Eastham, BMP-7, Infiltration BMP

Created	2020-05-19 17:11:47 UTC by EPField 01
Updated	2021-02-23 19:05:44 UTC by EPField 01
Location	41.8361751388, -69.9858243763
Client	Town of Eastham
Date	2021-02-23
Time	14:03
Weather	Clear
Inspector	Stephen Gabriel

### General Information

BMP ID	BMP-7
Location	Great Pond Rd. - East side of road - ~ 45' North of house 425 driveway.
BMP Category	Infiltration BMP
BMP Type - Infiltration	Leaching Catch Basin
Address	440 Great Pond Rd Eastham, MA 02642
Type of Inspection	Regular
Inspection Information	

### Soil Erosion

Is Status of BMP Satisfactory?	Yes
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### Excess Vegetation

Is Status of BMP Satisfactory?	N/A
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### Trash/Debris

Is Status of BMP Satisfactory?	Yes
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### Excess Sedimentation

Is Status of BMP Satisfactory?	Yes
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### Inlet/Outlet Condition

Is Status of BMP Satisfactory?	N/A
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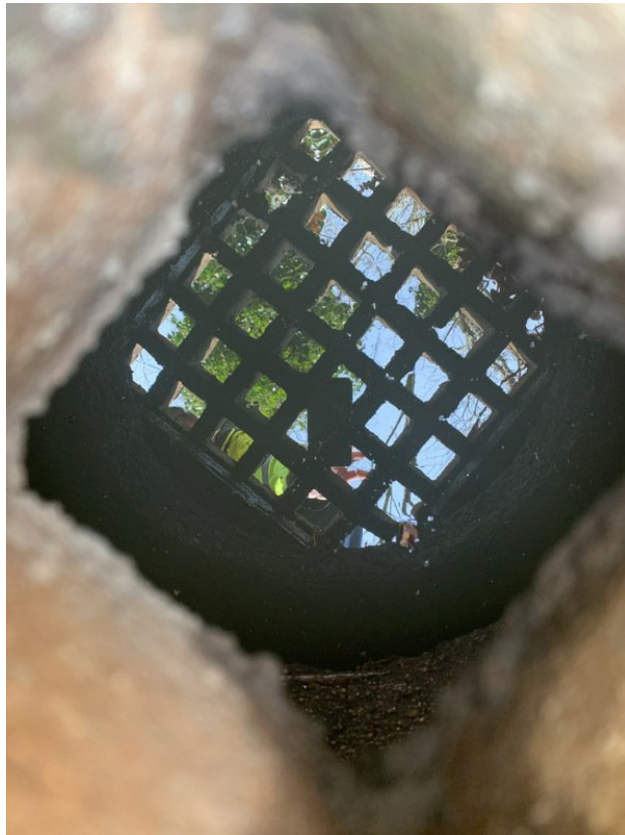
### Clogging/Standing Water

Is Status of BMP Satisfactory?	No
BMP Issue Location/Amount	Standing water in catch basin but no sediment
Corrective Action Needed	clean out and inspect

### Other Issues

Is Status of BMP Satisfactory?	Yes
Inspection Summary	Standing water in the structure indicates the structure is clogged and water is leaching out at a slow rate. Catch basin should be cleaned out to determine the cause of water retention.

Photos



## Town of Eastham, BMP-8, Infiltration BMP

Created	2020-05-19 17:19:26 UTC by EPField 01
Updated	2021-02-23 19:02:20 UTC by EPField 01
Location	41.8369340242, -69.985566549
Client	Town of Eastham
Date	2021-02-23
Time	13:55
Weather	Clear
Inspector	Stephen Gabriel

### General Information

BMP ID	BMP-8
Location	Catch basin - Locust Rd. - North side ~75' East of intersection with Great Pond Rd.
BMP Category	Infiltration BMP
BMP Type - Infiltration	Leaching Catch Basin
Address	590-698 Locust Rd Eastham, MA 02642
Type of Inspection	Regular
Inspection Information	

### Soil Erosion

Is Status of BMP Satisfactory?	Yes
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### Excess Vegetation

Is Status of BMP Satisfactory?	N/A
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### Trash/Debris

Is Status of BMP Satisfactory?	Yes
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### Excess Sedimentation

Is Status of BMP Satisfactory?	No
BMP Issue Location/Amount	Excess sedimentation present
Corrective Action Needed	Remove Sediment

### Inlet/Outlet Condition

Is Status of BMP Satisfactory?	Yes
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### Clogging/Standing Water

Is Status of BMP Satisfactory?	Yes
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### Other Issues

Is Status of BMP Satisfactory?	Yes
Notes	Overflow pipe to BMP-9 across the street appears to have been crushed.
Inspection Summary	Sediment needs to be removed on a regular basis. No standing water indicates that the leaching CB is functioning.

Photos





## Town of Eastham, BMP-9, Infiltration BMP

Created	2020-05-19 17:18:48 UTC by EPField 01
Updated	2021-02-23 19:02:09 UTC by EPField 01
Location	41.8368798184, -69.9855538085
Client	Town of Eastham
Date	2021-02-23
Time	13:53
Weather	Clear
Inspector	Stephen Gabriel

### General Information

BMP ID	BMP-9
Location	Locust Rd. - South side - ~75' west of intersection with Great Pond Rd.
BMP Category	Infiltration BMP
BMP Type - Infiltration	Leaching Catch Basin
Address	615 Locust Rd Eastham, MA 02642
Type of Inspection	Regular
Inspection Information	

### Soil Erosion

Is Status of BMP Satisfactory?	Yes
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### Excess Vegetation

Is Status of BMP Satisfactory?	N/A
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### Trash/Debris

Is Status of BMP Satisfactory?	Yes
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### Excess Sedimentation

Is Status of BMP Satisfactory?	No
BMP Issue Location/Amount	Excess sedimentation present
Corrective Action Needed	Remove Sediment

### Inlet/Outlet Condition

Is Status of BMP Satisfactory?	Yes
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### Clogging/Standing Water

Is Status of BMP Satisfactory?	Yes
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### Other Issues

Is Status of BMP Satisfactory?	No
BMP Issue Location/Amount	Corners of CB grate are broken
Corrective Action Needed	consider replacement grate
Notes	Presence of standing water indicates that the leaching CB is functioning properly.
Inspection Summary	Sediment needs to be removed on a regular basis. Consider replacing broken grate.
Photos	





## Town of Eastham, BMP-10, Unknown

Created	2020-05-19 20:31:08 UTC by EPField 01
Updated	2021-02-23 20:09:12 UTC by EPField 01
Location	41.8163634996, -69.9817346781
Client	Town of Eastham
Date	2021-02-23
Time	15:09
Weather	Clear
Inspector	Stephen Gabriel

### General Information

BMP ID	BMP-10
Location	Catch basin is located in front of 715 Governor Prence Rd. There is an inactive bog to where water drains.
BMP Category	Unknown
Address	707-749 Governor Prence Rd Eastham, MA 02642
Type of Inspection	Regular
Inspection Information	

### Invasive Species

Is Status of BMP Satisfactory?	N/A
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### Soil Erosion

Is Status of BMP Satisfactory?	Yes
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### Excess Vegetation

Is Status of BMP Satisfactory?	Yes
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### Dead Vegetation

Is Status of BMP Satisfactory?	Yes
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### Excess Salt

Is Status of BMP Satisfactory?	Yes
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### Trash/Debris

Is Status of BMP Satisfactory?	Yes
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### Oil/Grease

Is Status of BMP Satisfactory?	Yes
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### Excess Sedimentation

Is Status of BMP Satisfactory?	No
BMP Issue Location/Amount	Greater than 4' of sediment in the catch basin.
Corrective Action Needed	Remove Sediment

### Outlet Condition

Is Status of BMP Satisfactory?	No
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BMP Issue Location/Amount	Unable to locate pipe in catch basin
Corrective Action Needed	Remove sediment

**Inlet/Outlet Condition**

Is Status of BMP Satisfactory?	Yes
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**Outlet Area Erosion**

Is Status of BMP Satisfactory?	Yes
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**Cracking**

Is Status of BMP Satisfactory?	Yes
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**Clogging/Standing Water**

Is Status of BMP Satisfactory?	No
BMP Issue Location/Amount	Standing water in CB may indicate the structure is clogged or high groundwater
Corrective Action Needed	Clean out and inspect

**Other Issues**

Is Status of BMP Satisfactory?	Yes
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Notes  
 It appears that the catch basin drains to "rain garden," it is located on private property, according to assessors maps. Unsure if drainage easement exists. Overall, the system appears old and majority of stormwater bypasses catch basin directly into inactive bog.

Inspection Summary  
 The designed intent of this BMP needs to be identified by town personnel or design drawings.

Photos







## Town of Eastham, BMP-11, Infiltration BMP

Created	2020-05-19 19:43:22 UTC by EPField 01
Updated	2021-02-23 19:33:32 UTC by EPField 01
Location	41.8301317122, -69.9981340393
Client	Town of Eastham
Date	2021-02-23
Time	14:33
Weather	Clear, Cool
Inspector	Stephen Gabriel

### General Information

BMP ID	BMP-11
Location	Directly across from driveway to 1205 Herring Brook Rd.
BMP Category	Infiltration BMP
BMP Type - Infiltration	Leaching Catch Basin
Address	1244-1312 Herring Brook Rd Eastham, MA 02642
Type of Inspection	Regular
Inspection Information	

### Soil Erosion

Is Status of BMP Satisfactory?	Yes
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### Excess Vegetation

Is Status of BMP Satisfactory?	No
BMP Issue Location/Amount	Overgrown with brush
Corrective Action Needed	Mow/Rake/Prune

### Trash/Debris

Is Status of BMP Satisfactory?	Yes
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### Excess Sedimentation

Is Status of BMP Satisfactory?	No
BMP Issue Location/Amount	Sediment in the catch basin, the pipe and the leaching pit
Corrective Action Needed	Remove Sediment

### Inlet/Outlet Condition

Is Status of BMP Satisfactory?	Yes
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### Clogging/Standing Water

Is Status of BMP Satisfactory?	Yes
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### Other Issues

Is Status of BMP Satisfactory?	Yes
Notes	12" HDPE pipe has bend approximately 3' out of gutter inlet.
Inspection Summary	Brush should be maintained to allow access to the leaching basin. Sediment in the leaching catch basin and the leaching pit needs to be removed. This BMP should be inspected on a regular basis and cleaned out as needed.

Photos





## Town of Eastham, BMP-12, Infiltration BMP

Created	2020-05-19 19:39:14 UTC by EPField 01
Updated	2021-07-13 06:01:19 UTC by EPField 01
Location	41.8310485552, -69.9980844185
Client	Town of Eastham
Date	2021-02-23
Time	14:22
Weather	Clear
Inspector	Stephen Gabriel

### General Information

BMP ID	BMP-12
Location	Southwest of Herring Run - South of driveway to 1295 Herring Brook Rd.
BMP Category	Infiltration BMP
BMP Type - Infiltration	Leaching Basin
Address	1205 Herring Brook Rd Eastham, MA 02642
Type of Inspection	Regular
Inspection Information	

### Soil Erosion

Is Status of BMP Satisfactory?	Yes
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### Excess Vegetation

Is Status of BMP Satisfactory?	No
BMP Issue Location/Amount	Overgrown with brush
Corrective Action Needed	Mow/Rake/Prune

### Trash/Debris

Is Status of BMP Satisfactory?	Yes
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### Excess Sedimentation

Is Status of BMP Satisfactory?	Yes
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### Inlet/Outlet Condition

Is Status of BMP Satisfactory?	Yes
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### Clogging/Standing Water

Is Status of BMP Satisfactory?	No
BMP Issue Location/Amount	Standing water in leaching basin.
Corrective Action Needed	Remove sediment in leaching basin to improve infiltration rates.

### Other Issues

Is Status of BMP Satisfactory?	Yes
Notes	Deep sump catch basin with hood runs to structure with cascading frame & grate, approximately 20' to the southwest.
Inspection Summary	Brush should be maintained to allow access to the leaching basin. Design plans should be reviewed to determine if standing water is groundwater.

Photos





## Town of Eastham, BMP-13, Infiltration BMP

Created	2020-05-19 20:15:47 UTC by EPField 01
Updated	2021-02-23 19:59:24 UTC by EPField 01
Location	41.8225818735, -69.9886738881
Client	Town of Eastham
Date	2021-02-23
Time	14:57
Weather	Clear
Inspector	Stephen Gabriel

### General Information

BMP ID	BMP-13
Location	Across the street from driveway of house #470
BMP Category	Infiltration BMP
BMP Type - Infiltration	Leaching Basin
Address	455 Herring Brook Rd Eastham, MA 02642
Type of Inspection	Regular
Inspection Information	

### Soil Erosion

Is Status of BMP Satisfactory?	Yes
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### Excess Vegetation

Is Status of BMP Satisfactory?	N/A
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### Trash/Debris

Is Status of BMP Satisfactory?	Yes
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### Excess Sedimentation

Is Status of BMP Satisfactory?	No
BMP Issue Location/Amount	Sediment built up to 2' below overflow invert
Corrective Action Needed	Remove Sediment

### Inlet/Outlet Condition

Is Status of BMP Satisfactory?	Yes
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### Clogging/Standing Water

Is Status of BMP Satisfactory?	Yes
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### Other Issues

Is Status of BMP Satisfactory?	Yes
Notes	Deep sump catch basin flows into a leaching basin. The leaching basin has an overflow that discharges at a nearby culvert headwall.
Inspection Summary	Leaching basin should be inspected regularly and cleaned out as necessary.

Photos



## Town of Eastham, BMP-14, Treatment BMP

Created	2020-05-18 20:58:33 UTC by EPField 01
Updated	2021-07-13 06:02:34 UTC by EPField 01
Location	41.8301277151, -69.977257736
Client	Town of Eastham
Date	2021-02-23
Time	13:43
Weather	Clear
Inspector	Stephen Gabriel

### General Information

BMP ID	BMP-14
Location	Eastham Public Library
BMP Category	Treatment BMP
BMP Type - Treatment	Bioretention Area / Rain Garden
Address	90 Samoset Rd Eastham, MA 02642
Type of Inspection	Regular
Inspection Information	

### Invasive Species

Is Status of BMP Satisfactory?	Yes
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### Soil Erosion

Is Status of BMP Satisfactory?	No
BMP Issue Location/Amount	Side slopes are bare
Corrective Action Needed	Increase vegetation to stabilize side slopes

### Excess Vegetation

Is Status of BMP Satisfactory?	No
BMP Issue Location/Amount	Weeds
Corrective Action Needed	Mow/Rake/Prune

### Dead Vegetation

Is Status of BMP Satisfactory?	Yes
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### Trash/Debris

Is Status of BMP Satisfactory?	Yes
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### Oil/Grease

Is Status of BMP Satisfactory?	Yes
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### Excess Sedimentation

Is Status of BMP Satisfactory?	Yes
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### Outlet Condition

Is Status of BMP Satisfactory?	N/A
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## Outlet Area Erosion

Is Status of BMP Satisfactory? N/A

## Clogging/Standing Water

Is Status of BMP Satisfactory? Yes

## Other Issues

Is Status of BMP Satisfactory? Yes

Notes From plan

Inspection Summary Weeds need to be removed from the BMP. Increase vegetation on bare slide slopes.

Photos







## Town of Eastham, BMP-15, Treatment BMP

Created	2020-05-18 21:01:22 UTC by EPField 01
Updated	2021-07-13 06:04:43 UTC by EPField 01
Location	41.8303270733, -69.9773056805
Client	Town of Eastham
Date	2021-02-23
Time	13:42
Weather	Clear
Inspector	Stephen Gabriel

### General Information

BMP ID	BMP-15
Location	Eastham Public Library
BMP Category	Treatment BMP
BMP Type - Treatment	Bioretention Area / Rain Garden
Address	190 Samoset Rd Eastham, MA 02642
Type of Inspection	Regular
Inspection Information	

### Invasive Species

Is Status of BMP Satisfactory?	Yes
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### Soil Erosion

Is Status of BMP Satisfactory?	No
BMP Issue Location/Amount	Side slopes are bare
Corrective Action Needed	Plant vegetation

### Excess Vegetation

Is Status of BMP Satisfactory?	No
BMP Issue Location/Amount	Weeds
Corrective Action Needed	Mow/Rake/Prune

### Dead Vegetation

Is Status of BMP Satisfactory?	Yes
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### Trash/Debris

Is Status of BMP Satisfactory?	No
BMP Issue Location/Amount	Minimal trash
Corrective Action Needed	Remove Trash/Debris

### Oil/Grease

Is Status of BMP Satisfactory?	Yes
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### Excess Sedimentation

Is Status of BMP Satisfactory?	Yes
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### Outlet Condition

Is Status of BMP Satisfactory? N/A

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### Outlet Area Erosion

Is Status of BMP Satisfactory? N/A

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### Clogging/Standing Water

Is Status of BMP Satisfactory? Yes

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### Other Issues

Is Status of BMP Satisfactory? Yes

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Notes From plan

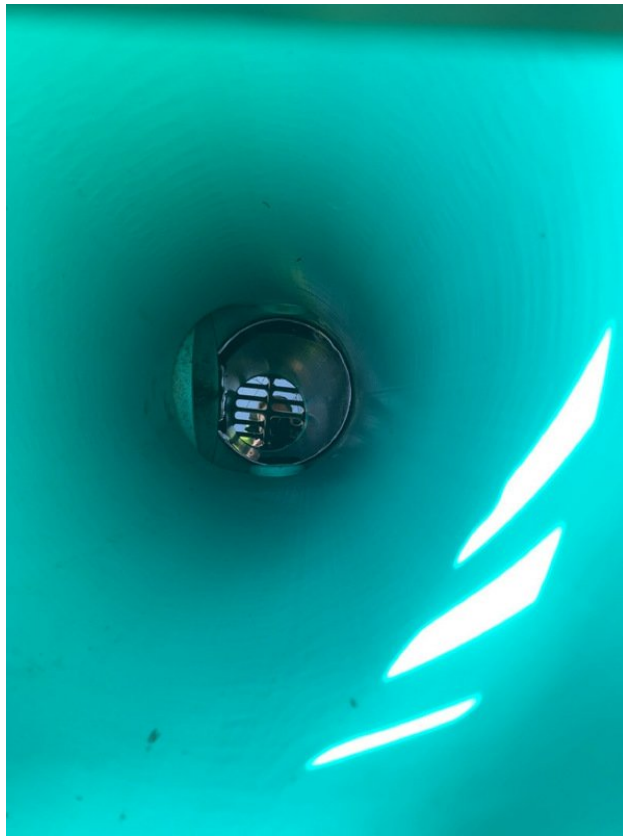
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Inspection Summary Weeds and trash need to be removed from the BMP. Increase vegetation on bare side slopes.

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Photos







## Town of Eastham, BMP-16, Infiltration BMP

Created	2020-05-18 21:03:00 UTC by EPField 01
Updated	2021-07-13 06:06:05 UTC by EPField 01
Location	41.8301919195, -69.9772999808
Client	Town of Eastham
Date	2021-02-23
Time	13:43
Weather	Clear
Inspector	Stephen Gabriel

### General Information

BMP ID	BMP-16
Location	Eastham Public Library
BMP Category	Infiltration BMP
BMP Type - Infiltration	Subsurface Structure
Address	90 Samoset Rd Eastham, MA 02642
Type of Inspection	Regular
Inspection Information	

### Soil Erosion

Is Status of BMP Satisfactory?	N/A
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### Excess Vegetation

Is Status of BMP Satisfactory?	N/A
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### Trash/Debris

Is Status of BMP Satisfactory?	N/A
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### Excess Sedimentation

Is Status of BMP Satisfactory?	N/A
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### Inlet/Outlet Condition

Is Status of BMP Satisfactory?	N/A
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### Clogging/Standing Water

Is Status of BMP Satisfactory?	N/A
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### Other Issues

Is Status of BMP Satisfactory?	N/A
Notes	From plan
Inspection Summary	There is no access to this BMP. Recommend clean outs following manufacturer's guidance.

## Town of Eastham, BMP-17, Infiltration BMP

Created	2020-05-18 20:52:00 UTC by EPField 01
Updated	2021-07-13 06:09:01 UTC by EPField 01
Location	41.8305741468, -69.9781126902
Client	Town of Eastham
Date	2021-02-23
Time	13:46
Weather	Clear
Inspector	Stephen Gabriel

### General Information

BMP ID	BMP-17
Location	Eastham Public Library
BMP Category	Infiltration BMP
BMP Type - Infiltration	Subsurface Structure
Address	190 Samoset Rd Eastham, MA 02642
Type of Inspection	Regular
Inspection Information	

### Soil Erosion

Is Status of BMP Satisfactory?	N/A
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### Excess Vegetation

Is Status of BMP Satisfactory?	N/A
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### Trash/Debris

Is Status of BMP Satisfactory?	N/A
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### Excess Sedimentation

Is Status of BMP Satisfactory?	N/A
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### Inlet/Outlet Condition

Is Status of BMP Satisfactory?	N/A
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### Clogging/Standing Water

Is Status of BMP Satisfactory?	N/A
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### Other Issues

Is Status of BMP Satisfactory?	N/A
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Notes	Underground detention chambers from plan. No access to the subsurface structure.
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Inspection Summary	There is no access to this BMP. Should be maintained as recommended by the manufacturer.
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