

Memorandum

To: Robert Lowell, DCR
Division of Engineering
10 Park Plaza
Suite 6620

Boston, MA 02116

Project #: 15722.00

Date: September 3, 2025

Re: Retrofit Opportunities for Stormwater Improvement

Requirement – Permit Year 7 Updates

From: Sara Molla Kelly Siry VHB

The NPDES MA MS4 Permit requires that municipalities, including non-traditional permittees like DCR, "identify a minimum of 5 permittee-owned properties that could potentially be modified or retrofitted with BMPs [and/or through the reduction of impervious cover] to reduce the frequency, volume, and pollutant loads of stormwater discharges to and from [DCR's] MS4." (p. 47). This requirement was due in Permit Year 4, i.e. June 30, 2022. In each annual report submitted thereafter, DCR must report the properties where retrofits have been completed and add to the list of properties so an inventory of at least five BMPs is maintained "until such a time as when the permittee has less than 5 sites remaining" (p. 48).

The list below documents DCR's inventory of properties that could be retrofitted for stormwater quality and quantity improvement and the status of location after Permit Year 7 as well as sites which have been retrofitted to include BMPs since Permit Year 4. This list was originally compiled for the Permit Year 4 requirement of documenting 5 facilities that can be retrofitted for BMPs. This memo will continue to be updated in future years as DCR completes projects and identifies new opportunities.

Properties with Retrofit Opportunities

- **1. Quincy Shore Drive** Quincy Shore Drive, Quincy future improvements planned
 - Improvements are planned for Quincy Shore Drive and DCR will include BMPs as part of future projects with a focus on promoting groundwater recharge. DCR will also look to eliminate drainage interconnections.
 - Stormwater BMPs will treat discharges to Quincy Bay.
- 2. Christian A. Herter Park Master Plan 1255 Soldiers Field Rd, Boston design underway
 - Stormwater improvements are being incorporated into the Herter Park Parking Lot Redesign project. The project will further evaluate the BMPs proposed in the Master Plan.
 - The project is currently in the design stage.
 - Stormwater BMPs will treat discharges to the Charles River.
- **3. Memorial Drive Phase 3** *Memorial Drive, Cambridge design underway*
 - DCR plans to incorporate infiltration BMPs and impervious cover reduction as part of a current design project.
 - Construction is scheduled to begin in fall 2025.
 - Stormwater BMPs will treat discharges to the Charles River.

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- **4. Hammond Pond Parkway** Hammond Pond Parkway, Newton design underway
 - DCR is designing stormwater BMPs as part of the Hammond Pond Parkway redesign.
 - The project is in construction and is expected to be finished in PY8.
 - The Stormwater BMP will treat discharges to Hammond Pond.
- **5. Chicopee State Park** *Chicopee design underway*
 - DCR is designing bathhouse improvements at Chicopee State Park and plan to incorporate stormwater treatment in the design.
 - The stormwater BMP will treat discharges to Chicopee Reservoir, part of the Long Island Sound watershed.

Properties with BMPs installed since Permit Year 4:

*Sites with asterisks were included in the original Retrofit Opportunity List submitted in Permit Year 4

- 1. Nantasket Beach*, Hull 27 leaching basins
- **2. Arborway,** *Boston* 2 leaching galleys
- **3.** Lawrence W. Llyod Swimming Pool, *Melrose* 1 leaching basin
- 4. Waquoit Bay National Estuarine Research Reserve, Falmouth 1 infiltration swale
- **5. Blue Hills Reservation,** *Milton* 2 infiltration basins
- **6. Gusctav A. Swede Johnson Swimming Pool,** *Fitchburg -* 1 bioretention swale
- **7. Factory Hill Playground,** *Hyde Park* 1 leaching basin
- **8. Shannon Beach, Winchester** 2 leaching basins
- **9.** Horgan Skating Arena*, Auburn 2 leaching basins and 1 infiltration basin
- **10. George Spatcher Swimming Pool***, Attleboro 1 leaching basin
- **11.** Marsh Post Trail Connection*, Cambridge 1 jellyfish filter, 1 infiltration basin
- 12. McVann O'Keefe Memorial Skating Rink*, Peabody 1 infiltration trench (completed in PY7)
- **13. Sarah Jane Sherman Pool,** *Chicopee* 1 leaching trench, 1 leaching catch basin (completed in PY7)
- **14. Gerald J. Mason Pool,** *Agawam* 1 leaching basin (completed in PY7)