



To: Robert Lowell, DCR  
Division of Engineering  
10 Park Plaza  
Boston, MA 02116

Date: September 13, 2024

Memorandum

Project #: 15722.00

From: Kelly Siry  
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Re: Retrofit Opportunities for Stormwater Improvement  
Requirement – Permit Year 6 Updates

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 6 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 initial design stage and has an estimated target construction completed date of March 2025.
- 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 as part of a current design project.
- Stormwater BMPs will treat discharges to the Charles River.

**4. Hammond Pond Parkway** – Hammond Pond Parkway, Newton – *design underway*

- DCR is designing stormwater BMPs as part of an upcoming project
- The BMP is currently in design and planned to be constructed by June 2025.
- 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
- Construction is planned for Fall 2024.
- 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
6. **Marsh Post Trail Connection\***, Cambridge – 1 jellyfish filter, 1 infiltration basin
7. **McVann – O’Keefe Memorial Skating Rink\***, Peabody – 1 infiltration trench (completed in PY7)