1 Introduction

The purpose of this Stormwater Long-Term Operation and Maintenance Report (O&M Report) is to outline the requirements for source control and pollution prevention for the Main Street Dam and Slater Mill Dam – Blackstone River Fish Passage Restoration Project, located in Pawtucket, Rhode Island. The project includes the construction of a vertical slot fishway, access improvements to the fishway and the Blackstone River to allow future public access to the river and operation and maintenance access to the fishway, and stormwater management. The proposed stormwater management system consists of using pervious materials for the new pedestrian and vehicle access improvements, impervious materials will not be used for the construction of access improvements. The site's long-term requirements include following proper site operation procedures and implementing an inspection and maintenance program to ensure the success and minimize the deterioration of the stormwater system over time. The Contractor is responsible for implementing this O&M Report during construction. The Owner is responsible thereafter. Maintenance operations shall be funded by the Owner. In the event the facility becomes owned by different entities, this Stormwater Long-Term Operation and Maintenance Report shall be transferred to the future owners/operators.

2 Pollution Prevention

The following pollution prevention activities shall be conducted to minimize potential impacts on stormwater runoff quality. The Contractor is responsible for all activities during construction. The Owner is responsible thereafter.

2.1 Good Housekeeping

Good housekeeping shall be implemented to minimize the impacts to protected areas by pollutants, soil, and fugitive sediment. The site shall be kept in good working order. Trash shall be kept in covered containers (i.e., dumpsters) to prevent waste from escaping. Fugitive litter that is deposited on the site shall be removed and placed in a proper, enclosed container.

2.2 Spill Procedures

Any discharge of waste oil or other pollutant to the drainage systems shall be reported immediately to the RIDEM Groundwater Discharge Permitting Program. The owner will be responsible for any incident of groundwater contamination resulting from the improper discharge of pollutants to the drainage system and may be required by RIDEM to remediate incidents that may impact groundwater quality. Should property ownership be transferred, the subsequent owner will be informed of the legal responsibilities associated with operation of the drainage system, as indicated above.

2.3 Material Disposal

All waste material, trash, and debris shall be removed from the site and disposed of in accordance with applicable local, state, and federal guidelines and regulations.

2.4 Snow Management

Stormwater runoff caused by snow melt must be properly managed to prevent erosion and pollution. Snow management operations may vary depending on current weather patterns, available equipment, and previous storm events. Below is a general description of how snow will be managed on the site.

- Keep pedestrian and emergency routes cleared. Ensure stockpiles do not obstruct sight lines at driveway or road intersections.
- Snow is not to be pushed or dumped into the tree filters or surface BMPs.
- Snow will be stockpiled onsite until the available capacity is exceeded at which point it will be loaded into trucks and properly disposed of at an off-site location.

3 Inspection and Maintenance Requirements for Permanent Stormwater Controls

The following inspection and maintenance activities shall be conducted to ensure success and minimize the deterioration of the stormwater system over time. Checklists to assist with the inspection and maintenance activities are provided in *Appendix A*. A map depicting the location of the components of the stormwater management system is provided in *Appendix B*.

3.1 Permeable Pavement Area Maintenance

All paved areas proposed for this project will be constructed with a pervious system such as porous pavers, porous concrete, permeable pavement, articulated concrete block or other technology that allows stormwater to drain through the surface and directly recharge groundwater.

3.1.1 Post-Construction Maintenance

The Contractor shall vacuum sweep the paved areas at the completion of construction. The Owner shall vacuum sweep a minimum of once per year thereafter with a vacuum sweeper, with the exception of finished grassed surfaces (e.g., where articulated concrete block is used). The Owner shall sweep more frequently should conditions warrant it necessary. Trash, sediment, and debris collected shall be disposed of in accordance with applicable local, state, and federal guidelines and regulations. Snow shall not be dumped into the paved surfaces. Deicing chemicals should not be stored at the site. If chemicals are stored at the site, they shall be secured from vandalism and protected from exposure to precipitation.

3.1.2 Annual Inspections

The Owner shall inspect the pervious surfaces annually during a storm that generates at least 1" of precipitation. The Owner shall determine whether any of the pervious paved surfaces are ponding water. If they are, the Owner shall determine whether remedial action is needed to appropriately manage the stormwater on this site. Remedial action can range from vacuum sweeping the surface to replacing the pervious surface.

3.2 Landscaped Areas

Lawn areas will be mowed during the growing seasons as required to maintain a health stand of vegetation. This is typically once a week but can vary depending on weather conditions. If bagged, grass clippings are to be removed from the site and legally disposed of at an off-site location.

Fertilizers, if required for the maintenance of lawn areas, shall not be phosphorus-based and will be applied only in the amounts recommended by the manufacturer. If kept on site, fertilizers will be stored in a covered area. The contents of any partially used bags of fertilizer will be transferred to a sealable plastic bin to avoid spills.

4 Anticipated Cost

The annual cost for the inspections and maintenance for the property is estimated to be between $2,000 and $3,000 per year, if performed by an independent third party. A budgetary opinion of cost for the maintenance is included in *Appendix C*.

5 Party Certification

All parties working at the site are required to comply with the Stormwater Long-Term Operation and Management Report (O&M Report) for any work that is performed on-site. The site owner is encouraged to advise all employees working on this site of the requirements of the O&M Report. A copy of the O&M Report may be obtained by contacting the site owner.

The site owner must sign the following certification statement.

I acknowledge that I have read and understand the terms and conditions of the O&M Plan for the above designated project and agree to follow the practices described herein.

Owner

Company:
Name and Title:
Address:
City, State, Zip Code:
Telephone:
E-mail:

_____
Signature/Date

Designated Site Inspector

Company:
Name and Title:
Address:
City, State, Zip Code:
Telephone:
E-mail:

_____
Signature/Date

O&M Plan Contact

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_____
Signature/Date