

Site RWP-3B - Operation and Maintenance Checklist

Roger Williams Park - Providence, RI

Date:

Time:

Inspector:

Maintenance Item	Description	Maintenance Required? (Y/N)
1. Drainage Structures (Flume Inlet/Sidewalk Trench Grate, Underdrains, Overflow Structure, Inline Drain, and Drainage Pipes) – Inspect annually and after major storm events (1-yr storm or greater)		
Debris Cleanout	Remove all trash, debris, and sediment from all structures annually or when sediment buildup is half the depth from the invert to the bottom, as applicable.*	
Flume Inlet	Remove sediment from flume inlet regularly or when a build-up is noticed that impacts inflow. If inlet becomes blocked, the bioretention area will not receive the proper flow.	
Structures	Repair as necessary if damaged or settling. Return to design grades.	
2. Stone-lined Swale and Sediment Forebay– Inspect annually and after major storm events (1-yr storm or greater)		
Debris Cleanout	Remove all trash and debris from the swale and forebay.	
Sediment/Organic Debris Removal	Sediment build-up shall be removed and properly disposed of when build-up is greater than or equal to 3 inches.*	
Side Slopes	Repair as necessary if signs of erosion gullies, animal burrowing, or slumping are observed.	
River Stone	Look for areas of erosion in the swale, particularly near the sidewalk trench grate. Repair/replace stone as necessary.	
Granite Weir	Ensure that weir has not settled and remains level. Check for areas of erosion. Repair as necessary	
Vegetation Maintenance	Ill-established, dead or severely diseased plants will be removed and replaced annually. See Sheet LA-1 of Construction Plans for appropriate species.	

Maintenance Item	Description	Maintenance Required? (Y/N)
3. Bioretention System – Inspect at least bi-annually and after major storm events the first year; then annually and after major storm events (1-yr storm or greater)		
Debris Cleanout	Remove all trash and debris from the surface of the bioretention system.	
Side Slopes	Repair as necessary if signs of erosion gullies, animal burrowing, or slumping are observed.	
Sediment/Organic Debris Removal	If standing water is observed in the bioretention area 48 hours after a storm event, the bottom 6 inches shall be rototilled or cultivated to breakup any hard-packed sediment, and replenished with mulch.*	
Vegetation Maintenance / Replacement	Monitor the bioretention soil for proper pH, erosion, and aeration. Well-aged (minimum 6 months), shredded hardwood mulch shall be replaced bi-annually as needed, and ill-established, dead or severely diseased plants will be removed and replaced annually. See Sheet LA-1 of Construction Plans for appropriate species. Grasses, sedges, and rushes should be cut back annually in the spring.	
4. Routine Grounds Maintenance – Inspect annually		
Debris Removal	Remove trash from perimeter areas.	
Pavement Sweeping	Sweep parking lot minimum once a year after spring thaw.	
Drainage Network	Ensure proper operation.	

*Sediment shall be disposed of offsite in a pre-approved location.

Comments:

Actions to be Taken:
