

STORMWATER MAINTENANCE SCHEDULE

BIO-SWALE

Modified to Correspond to Carroll County Details

MONTHLY INSPECTION

Inspection Item	Inspection Requirements	Remedial Action
Debris and Trash	Check for trash and debris in facility including inlets, outlets, conveyance systems, and area around facility.	Remove all trash and debris and dispose in an acceptable manner. Unclog all openings.
Plant Composition and Health	Compare plant composition with approved plans. Check for invasive species or weeds. Check for dead or dying vegetation.	Remove invasive species and weeds. Replace dead plants in accordance with approved landscaping plan OR Reseed and Remulch per Filter Bed Mix.
Vegetative Cover	Check for channelizing, erosion, and bare spots. Check for vegetation blocking inlets, weirs, check dams, and outlet.	Remove or cut back vegetation around inlet, weirs, check dams, and outlet structures. Mow side slopes when grass exceeds 12 inches in height, but do not mow filter bed (Woody Vegetation is prohibited on embankment). If using Filter Bed Mix, may mow bed twice per year. Remove grass clippings. Re-seed or re-plant in accordance with approved landscaping plans.
Mulch Layer	Check mulch for adequate cover, sediment accumulation, or discoloration.	Replace and remove old mulch and excess sediment. Provide adequate mulch cover according to approved design.

SEASONAL INSPECTION AND AFTER A MAJOR STORM

Inspection Item	Inspection Requirements	Remedial Action
Dewatering	Check ponding levels. Surface storage must dewater within 48 hours of rainfall. Noticeable odors, stained water on the filter surface or at the outlet, or the presence of algae or aquatic vegetation are indicators of anaerobic conditions and inadequate dewatering of the facility.	Remove and replace top few inches of media. If the facility does not function as intended after the above action, excavate, remove, clean, and replace stone, underdrain, media, and plants in accordance with approved plans.
Erosion	Check inlets, filter bed, outlets, and side slopes for erosion, rills, gullies, and runoff channelization.	Re-grading may be required when concentrated flow causes rills or gully through the facility. Grade, vegetate, and/or armor to provide stable conveyance in accordance with approved plans.
Check Dams (earth, stone, concrete)	Check for evidence of flow cutting around edges of structure and evidence of erosion at the downstream toe.	Re-grade and repair with stone, topsoil, seed, and matting. Provide stone at downstream toe.
Sediment Accumulation	Check for accumulated sediment in conveyance systems and on filter bed. Check for clogged openings (blockages). (Check observation wells for water level.)	When sediment accumulates to 1 inch depth, remove sediment. Remove sediment from clogged openings. Dispose of all sediment in an acceptable location

ANNUAL INSPECTION

Inspection Item	Inspection Requirements	Remedial Action
Structural Components	Check for evidence of structural deterioration, spalling, or cracking. Inlet, weirs, check dams, and outlet structures as well as riprap outfalls must be in good condition.	Repair to good condition according to specifications on the approved plans.
Overall Function of Facility	Check that practice is functioning as designed.	Repair to good condition according to specifications on the approved plans.

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Carroll County Stormwater Management Program Engineer

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