



DINWIDDIE COUNTY

PLANNING, ZONING, CODE COMPLIANCE AND ENVIRONMENTAL

BIORETENTION PRACTICES *MAINTENANCE INSPECTION REPORT*

1. A licensed professional engineer must conduct all inspections utilizing the approved construction plans, As-Builts, and recorded Stormwater Maintenance Agreement located at the Dinwiddie County Courthouse.
2. All items must be inspected and any discrepancies and necessary repairs must be noted along with an estimate cost of repairs.
3. Upon completion of the inspection, one (1) copy, indicating estimated completion date and cost of noted discrepancies and repairs, is to be forwarded by the inspection firm to the: **County of Dinwiddie, Planning & Zoning Department, Attn: Environmental Administrator, P.O. Drawer 70 Dinwiddie, VA 23841.** The original form must be forwarded to the owner of the facility. **This form is to be typed or in black/blue ink only. No color ink or pencil will be accepted.**
4. The facility owner's representative must indicate on the original form the actual completion date and actual cost of acquired repairs, after which the facility owner must sign and return one (1) copy of the form to the: **County of Dinwiddie, Planning and Zoning Department, Attn: Environmental Administrator, P.O. Drawer 70 Dinwiddie, VA. 23841.**

PROJECT INFORMATION:

Name of Project: _____

Location of Project: _____

Owner of Facility: _____ Inspection Date: _____

Facility Type:

Level 1

Level 2

Facility Location:

Surface

Underground

Hydraulic Configuration:

On-line facility

Off-line facility

Filtration Media:

No filtration (e.g. dry well, permeable pavement, infiltration facility, etc.)

Sand

Bioretention Soil

Peat

Other

Type of Pre-Treatment Facility:

Sediment forebay (above ground)

Sedimentation chamber

Plunge pool

Stone diaphragm

Grass filter strip

Grass channel

Other

CONTRIBUTING DRAINAGE AREA:

	YES	NO
There is excessive trash and debris.		
There is evidence of erosion and/or bare or exposed soil.		
There is excessive landscape waste and yard clippings.		
Vegetative cover is adequate.		
Oil, grease or other unauthorized substances are entering the facility.		

PRE-TREATMENT FACILITY:

	YES	NO
There is adequate access to the pre-treatment facility.		
There is excessive trash, debris, or sediment.		
There is evidence of erosion and/or exposed soil		
There is evidence of clogging (standing water, noticeable odors, water stains, algae or floating aquatic vegetation, or oil/grease).		
There is dead vegetation or exposed soil in the grass filter.		

INLETS:

	YES	NO
Check for sediment build-up at curb cuts, gravel diaphragms or pavement edges that prevent flow from getting into the bed, and check for bypassing.		
There is excessive trash/debris/sediment.		
There is evidence of erosion at or around the inlet		
Inflow is hindered by trees and/or shrubs.		

SIDE SLOPES:

	YES	NO
There is evidence of erosion or bare soil.		
There is excess sediment accumulation.		
Side slopes support nuisance animals..		

VEGETATION:

	YES	NO
Plant composition is consistent with the approved plans and any stakes or wires are in good condition.		
There should be 75-90% cover (mulch plus vegetation), and the mulch cover should be 2-3 inches deep.		
There is evidence of hydrocarbons or other deleterious materials, resulting in unsatisfactory plant growth or mortality.		
Invasive species or weeds make up at least 10% of the facility's vegetation .		
The grass is too high.		
Vegetation is diseased, dying or dead.		
Winter-killed or salt-killed vegetation is present..		

FILTER MEDIA:

	YES	NO
The filter media is too low, too compacted, or the composition is inconsistent with design specifications.		
The mulch is older than 3 years or is otherwise in poor condition		
There is evidence that chemicals, fertilizers, and/or oil/grease are present.		
There is excessive trash, debris, or sediment..		
There is evidence of concentrated flows, erosion or exposed soil.		

FILTER MEDIA:

	YES	NO
The filter bed is clogged and/or filled inappropriately		
The topsoil is in poor condition (e.g., the pH level is not 6-7, the composition is inappropriate, etc.)		

UNDERDRAIN / PROPER DRAINAGE:

	YES	NO
The perforated pipe is not conveying water as designed.		
The underlying soil interface is clogged (there is evidence on the surface of soil crusting, standing water, the facility does not dewater between storms, or water ponds on the surface of basin for more than 48 hours after an event).		

PLANTERS:

	YES	NO
The planter is unable to receive or detain stormwater prior to infiltration. Water does not drain from the reservoir within 3-4 hours of after a storm event.		
The planter has structural deficiencies, including rot, cracks, and failure, or the planter is unable to contain the filter media or vegetation.		

OUTLET / OVERFLOW SPILLWAY:

	YES	NO
Outlets are obstructed or erosion and soil exposure is evident below the outlet.		
There is excessive trash, debris, or sediment at the outlet.		
Any grates present are in good condition.		

OBSERVATION WELL:

	YES	NO
Is the observation well still capped?		

OVERALL:

	YES	NO
Access to the Infiltration facility or its components is adequate.		
There is evidence of standing water.		
Mosquito proliferation.		
Encroachment on the bioretention area or easement by buildings or other structures.		

