Maintenance Notification Letter, Howard County, MD

Howard County

Department of Public Works
BUREAU OF ENVIRONMENTAL SERVICES

Friday, June 29, 2001

HOWARD CO
STATE ROUTE 108
ELLICOTT CITY , MD 21042

Subject: Storm Water Management Facilitv Inspection Results
SDP-89-278 ELEMENTARY SCHOOL

Dear Facilities Manager,

Howard County must insure that all storm water management facilities in the County are adequately maintained and functioning properly, under terms of Section 18.904(b), County Code. These facilities are crucial components in protecting our streams from erosion and flooding and key factors in improving water quality. By the letter we are notifying you of the results of our inspection on 2/9/00.

Facility No.	**Description / Access**
935	Underground Storage - Trotter Road @ bus loading area

Inspection Item

Inspectors Comments

Schedule Maintenance

- Condition of inlet control structure

chamber A; needs trash rack; also various lift rings need to be removed and lug holes need to be parged

Inspector's Summary

This is the oil-grit pretreatment to the existing CMP underground facility, which was not inspected due to standing water and silt. Oil-grit chambers were cleaned and inspected; unit had snowmelt baseflow.

As owners of a property containing private storm water management facilities, you are responsible for maintenance of the facilities, under County Code Section 18.905. The Code also requires that within 30 days of receipt of this report your company, as the property owner, respond and correct the deficiencies noted in the inspection report or provide proof of intent to make the corrections.

If you have any questions, please, feel free to contact this office at (410)

Sincerely,

Storm Water Management Division

cc:

Facility Inspection Notification, Howard County, MD

Howard County
MARYLAND

Department of Public Works
Bureau of Environmental Services

29-Jun-01

Response Requested By 7/13/01

Howard County
State Route 108

Ellicott City , MD 21042

Subject: Storm Water Management Facility Inspection Notification
SDP-89-278 Elementary School At Trotter Road

Dear Facilities Manager:

Howard County must insure that all storm water management facilities in the County are adequately maintained and functioning properly, under terms of Section 18.904(b) , County Code. These facilities are crucial components in protecting our streams from erosion and flooding and key factors in improving water quality. By this letter we are notifying you of an inspection within the next several weeks. Our records show you as the owner of:

Facility No.	Description / Access
935	underground storage - trotter road @ bus loading area
2280	oil/grit separator - trotter road at bus loading area

By law, the Department of Public Works must notify the owner of any deficiencies that may be found during this inspection. The process will include a visual inspection of the facility and, if needed, a remote televised inspection of inaccessible areas such as underground storage facilities or small diameter pipes.

You will be receive a written report on the inspection results, including any appropriate suggestions or requirements for the facilities' maintenance. As owners of a property containing private storm water management facilities, you are responsible for the maintenance of the facilities, under County Code Section 18.905. The Code also requires that within 30 days of receipt of this report your company, as the property owner, respond and correct the deficiencies noted in the inspection report or provide proof of intent to make the corrections.

Please provide us, if possible, with a name and address of the person within your organization who currently oversees the maintenance of the storm water management facilities. If you have any questions about this process, please, call of this office at .

Sincerely,

, Chief
Storm Water Management Division
Bureau of Environmental Services

6751 Columbia Gateway Drive, Suite 514 - Columbia, Maryland 21046 - (410)313-6444 - FAX 313-6490

Stormwater Treatment Practice Inspection Equipment/Materials List

"Maintenance Inspection Checklists, Notifications and Reminders"
http://www.stormwatercenter.net/

STP Inspection Equipment/Materials	Quantity	Required for:
Public Communications Materials		
Jurisdiction Permission Letter (for 3rd party inspectors)	multiple	All STPs
Jurisdiction contact list	multiple	All STPs
Educational brochures, materials	multiple	All STPs
STP-Specific Information		
Blank inspection checklists	multiple	All STPs
Site plans/as-built drawings	per facility	All STPs
Facility type and outfall pipe size	per facility	All STPs
Facility location	per facility	All STPs
Previous inspection results (Reports, redlines and photos)	per facility	All STPs
Confined Space Entry permit (as needed)	per facility	Underground Confined Space Entry (CSE)
Inspection Equipment		
Clipboard w/Forms, Pencil and Compass	1	All STPs
Area Map	1	All STPs
Mobile Telephone	1	All STPs
Two-Way Radio w/charged batteries	2	All STPs
100' Measuring Tape	1	All STPs
25' Retractable Scale	1	All STPs
Bolt Cutters	1	All STPs
Cans of Orange Spray Paint	2	All STPs
Crow Bar	1	All STPs
Digital Camera	1	All STPs
First Aid Kit	1	All STPs
Flashlight w/charged batteries	1	All STPs
Goggles or Safety Glasses	2	All STPs
Hardhats	2	All STPs
Leather Gloves	2	All STPs
Manhole Cover Tool / Puller	1	All STPs
Pair of Hard Sole Boots (wear)	2	All STPs
Pair of Rubber Boots (as-needed)	2	All STPs
Roll of Orange Tie-off Tape	1	All STPs
Std. Size Bolt Locks and Keys (for pond gates)	2	All STPs
Waterproof Carrying Bag	1	All STPs
Machete or Pruning Sheers	1	Above ground
Monkey Wrench	1	Above ground
Standard Shovel	1	Above ground
Observation Well Cap Wrenches	1/Size	Infiltration facilities only
Small Size Bolt Lock and Key (for well caps)	1	Infiltration facilities only
100' Rope	1	Underground CSE
Air Monitor/Meter w/charged batteries	1	Underground CSE
Orange Pylons/Traffic Cones	4	Underground CSE
Spot light	1	Underground CSE
5 Minute Air Supply	1	Underground CSE (as-needed)
Full Face Respirator	1	Underground CSE (as-needed)
Recalibration Kit	1	Underground CSE (as-needed)
Ventilation/Forced Air Blower	1	Underground CSE (as-needed)

Table 1: Naming Convention of Common Structural Stormwater Management Practices for Water Quality Management and Treatment (Adapted from CWP, 2002)

BMP Group	Practice Name	Practice Description
Ponds	Dry Detention Pond	Dry ponds or vaults are generally designed to temporarily detain runoff from a set of defined storm frequencies to provide peak flow attenuation for flood control purposes.
	Dry Extended Detention Pond	Ponds that treat a prescribed water quality volume through extended detention, a design option that holds runoff over a fixed detention time.
	Wet Pond	Ponds that provide storage for a water quality volume in a permanent pool.
	Wet Extended Detention Pond	Ponds that treat a water quality volume by detaining runoff above the permanent pool for a specified minimum detention time.
	Multiple Pond System	A group of inter-connected ponds that collectively treat a water quality volume.
Wetlands	Shallow Marsh	Constructed wetlands that provide water quality treatment primarily in a wet shallow marsh.
	Extended Detention Wetland	Wetland systems that treat a portion of a water quality volume by detaining storm flows above the marsh surface.
	Pond/ Wetland System	Wetland systems that treat a portion of a water quality volume in a permanent pool of a wet pond that precedes the shallow marsh wetland.
	Gravel Wetland	Wetland systems composed of wetland plant mats grown in a gravel matrix.
Infiltration	Infiltration Trench	Infiltration practices that store a water quality volume in the void spaces of a gravel trench or within a chamber or vault before being infiltrated into underlying soils.
	Infiltration Basin	Infiltration practices that store a water quality volume in a surface depression, before being infiltrated into underlying soils.
Filters	Surface Sand Filter	Filtering practices that treat stormwater by settling out larger particles in a sediment chamber, and then filtering stormwater through a sand matrix.
	Underground Sand Filter	Filtering practices that treat stormwater as it flows through an underground sediment chamber and then into a sand-matrix filtering chamber.
	Perimeter Sand Filter	Filters that incorporate a shallow sediment chamber and a sand filter bed as parallel vaults.
	Organic Filter	Filtering practices that use an organic medium such as compost in the filter, or incorporate organic material in addition to sand (e.g., peat/sand mixture).
	Bioretention	Practices that incorporate shallow depressions with vegetation that treat stormwater as it flows through a soil matrix.
Open Channels	Dry Swale	Open vegetated channels or depressions explicitly designed to detain and promote the filtration of stormwater runoff into a prescribed underlying soil media.
	Wet Swale	Open vegetated channels or depressions with wetland vegetation designed to retain water or intercept groundwater for water quality treatment.
	Grass Channel	Open vegetated channels or depressions designed to convey and detain a water quality volume at a very slow maximum velocity with a minimum residence time.
Other Practices	Hydrodynamic Devices and Swirl Concentrators	Hydrodynamic solids separation devices characterized by an internal structure that creates a swirling vortex.
	Oil and Grit Separator	Flow separation devices designed to remove pollutants from stormwater runoff through gravitational settling and trapping.
	Filter Strips	Vegetated areas with prescribed dimensions and slopes, designed to treat sheet flow runoff from adjacent surfaces and remove pollutants through filtration and infiltration (a.k.a., grass filter strips, filter strips, and forested buffers).