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Stormwater Treatment: Assessment and Maintenance

Field Data Sheet for Level 1 Assessment: Visual Inspection Filter Strips and Swales

Inspector's Name(s):
Date of Inspection:
Location of the filter strip or swale:
Address or Intersection:
Latititude, Longitude:
Date the filter strip or swale began operation:
Size of the practice. Depth and length, if swale (ft.):
Area (ft. x ft.), if filter strip
Time since last rainfall (hr):
Quantity of last rainfall (in):
Rainfall Measurement Location:

Based on visual assessment of the site, answer the following questions and make photographic or video-graphic documentation:

 1. Has visual inspection been conducted at this location before? Yes No I don't know 1. b) Based on previous visual inspections, have any corrective actions been taken? Yes No I don't know (If yes, describe actions in comments box) 	Comments
2. Has it rained within the last 48 hours at this location? □ Yes □ No □ I don't know	
 3. Does this swale or filter strip untilize pretreatment practices upstream? □ Yes □ No □ I don't know (If yes, describe pretreatment practices in comment box) 	
 4. Access 4. a) Access to the swale or filter strip is: Clear Partially obstructed Mostly obstructed Inaccessible 4. b) If obstructed, the obstruction is (choose and provide comments) : temporary <u>and</u> no action needed <u>or</u> action needed permanent <u>and</u> before or during installation <u>or</u> new since installation 4. c) Access to the upstream and downstream drainage is: Clear Partially obstructed Mostly obstructed Inaccessible 4. d) If obstructed, the obstruction is (choose and provide comments) : temporary <u>and</u> no action needed <u>or</u> action needed permanent <u>and</u> before or during installation <u>or</u> new since installation 	

Site Sketch (include inlets, outlets, roads, north arrow, etc.)

STORMWATER TREATMENT: ASSESSMENT AND MAINTENANCE

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- 5. a) How many inlet structures are present? $\Box 0 \Box 1 \Box 2 \Box 3 \Box 4 \Box 5 \Box > 5$
- 5. b) Are any of the inlet structures clogged? (If yes, mark location on site sketch above and fill in boxes below with items causing clogging (ie. debris, sediment, vegetation, etc.)

	v	<u> </u>			. ,
	Inlet #:				
Partially					
Completely					
Not Applicable					

5. c) Are any of the inlet structures askew or misaligned from the original design or otherwise in need of maintenance? (if yes, write in reason: frost heave, vandalism, unknown, etc.)

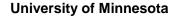
	$C(\pi)$	II IIEL #.	iniet#:	iniet #:	iniel #.
Reason					

- 6. Is there standing water in the swale or on the filter strip? \Box Yes \Box No
 - 6. a) If yes, does the water have:
 - Surface sheen (from oils or gasoline)
 - In Murky color (from suspended solids)
 - □ Green color (from algae or other biological activity)
 - □ Other (describe In comment box)
- 7. Is there evidence of illicit storm sewer discharges?
 - \Box Yes \Box No \Box I don't know (if yes, describe in comment box)
- 8. What is the approximate percentage of vegetation coverage in the practice?
- 8. a) Does the current vegetation match the original design?

 Yes
 No
 Unknown
 - 8. b) Is there the precense of:
 - $\square \text{ Weeds}$
 - Invasive vegetation
 - □ None of the above
 - \Box Other, specify_
 - 8. c) Does the vegetation appear to be healthy?
 □ Yes □ No (if no, describe in comment box)
- 8. d) Is the vegetation the appropriate size and density? \Box Yes \Box No (if no, describe in comment box)

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- 9. Are there indications of any of the following within the filter strip or swale? (If yes, mark on site sketch)
 - Sediment deposition
 - Erosion or channelization
 - Excessive or undesirable vegetation (that needs mowing or removal)
 - $\hfill\square$ Bare soil or lack of healthy vegetation significantly different from the original design
 - $\hfill\square$ Litter or debris
 - Other
 - □ No



Comments

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9. a) If sediment deposition is evident, what is the source?	Comments
□ Erosion or channelization inside the wet pond	
 Erosion or channelization outside the wet pond Construction site erosion 	
Other	
10. Are there indications of any of the following on the banks of the swale:	
 Erosion or channelization Soil slides or bulges 	
Excessive animal burrows	
 Seeps and wet spots Poorly vegetated areas 	
Trees on constructed slopes	
□ Not applicable	
11. Are any overflow or outlet structures clogged? □ No □ Partially □ Completely □ NA	
11. a) If yes, specify the clogging material (i.e. debris, sediment, vegetation, etc.) in the box below.	
Outlet #: Outlet #: Outlet #:	
Partial or Comp.	
11. b) Are any of the overflow structures askew or misaligned from the original design or otherwise	
in need of maintenance? (if yes, write in reason: frost heave, vandalism, unknown, etc.) Outlet #: Outlet #: Outlet #:	
Reason	
12. Is there any evidence of any of the following downstream of the outlet structure?	
\Box Sediment deposition \Box Erosion or channelization \Box Other \Box No	
12. a) If sediment deposition is evident, what is the source?	
 Erosion or channelization inside the filtration practice 	
 Erosion or channelization outside the filtration practice Construction site erosion 	
□ Other, Specify	
Unknown	
13. Inspector's Recommendations. When is maintenance needed?	
□ Before the next rainfall	
 Before the next rainy season Within a year or two 	
□ No sign that any is required	

12. Summarize the results of this inspection and write any other observations in the box below.

Summary and other observations