

Site ID/Name: _____ Location: _____ Inspector: _____ Date: _____

Bioretention

Date of last inspection: _____

Approximate time since last rain: < 24 h 24-48 h >48 h

Approximate size of last rain: < 0.5 in. 0.5-1 in. >1 in.

Note: 'Yes' typically indicates maintenance is needed

General:

- 1. Is access to the site adequately maintained? Yes/No
- 2. Are grass clippings present in the drainage area or within the system [inlet structure, pretreatment (filter strip and grass channel), main treatment, or outlet/overflow structure]? (*Note: grass clippings should be removed*). Yes/No

Main Treatment Area:

- 10. Are there any signs of prolonged ponding? Yes/No
- 11. Is mulch depth at least 2 in.? Yes/No
- 12. Are there any signs of damage from wildlife? Yes/No
- 13. Are there any areas showing erosion? Yes/No
- 14. Are there any areas of sediment buildup? Yes/No
- 15. Is water in the bioretention area? Yes/No

If yes, approx. depth: _____

Drainage Area (area contributing runoff to bioretention):

- 3. Are exposed or actively eroding areas present? Yes/No
- Sedimentation? Yes/No
- 4. Is debris obstructing flow paths at any point (overland or within pipes)? Yes/No

Plants:

- 16. Are weeds or invasive plant species present? Yes/No
- 17. Is any dead plant material present? Yes/No
- 18. Do plants show signs of stress or disease? Yes/No
- 19. Do any areas need replanting? Yes/No
- 20. Are any plants overgrown? Yes/No

Inlet Structure / Pretreatment:

- 5. Is there any damage to the inlet structures? Yes/No
- 6. Is runoff short circuiting the inlet(s)? Yes/No
- 7. Is there trash/debris/sediment in or around inlet(s)? Yes/No
- 8. Is there evidence of erosion (gullies or rills) or flooding around inlet(s)? Yes/No
- 9. Is plant maintenance needed around inlet(s)? Yes/No

Underdrain (if installed):

- 21. Are cleanout damaged or missing? Yes/No
- 22. Indications of underdrain clogging or blockage? Yes/No

Emergency Overflow / Outlet Structure (if appropriate):

- 23. Is there any damage to outlet structures? Yes/No
- 24. Is there accumulation of trash, debris, or sediment in or around outlet structure(s)? Yes/No
- 25. Is there evidence of erosion, or flooding around structures? Yes/No

Qualitative Inspection

	Good	Marginal	Poor
26. Estimate the sediment accumulation area in bioretention surface area.	<25%	25-50%	>50%
27. Rate the presence of debris (e.g., leaves, trash, grass clippings) in the bioretention surface area.	<25%	25-50%	>50%
28. Estimate the presence of undesirable vegetation.	<25%	25-50%	>50%
29. Rate the plant health per landscaping plan and site objectives. (Dying/stressed)	>50%	25-50%	<25%
30. Rate the condition of plant density per landscaping plan and site objectives. (Vegetation coverage)	>50%	25-50%	<25%

Recommended Maintenance:

Examples of Potential Issues



4, 7 Inlet debris



9 Inlet vegetation



16-20 Veg. maintenance



11, 13 Erosion & mulch



15 Presence of ponding



27 Trash & debris



11 Mulch



24, 27 Trash & debris



19,30 Replanting



19, 29 Replant



24 Outlet debris



10, 25 Extended ponding



24, 25 Outlet ponding