

Vegetated Swale Inspection Checklist

This inspection checklist and the example shown in the enclosed Inspection and Maintenance Log are provided to guide you in identifying the functional components of the vegetated swale located on your property and in recording any maintenance-related activities you perform on this facility. Typical maintenance items are identified below. If the answers to any of these maintenance items differ from the ones provided, maintenance activities should be performed to correct any issues and clearly recorded on the Inspection and Maintenance Log. The vegetated swale should be inspected at least two times a year, once in the spring and once in the fall, by a qualified representative of the owner or qualified owner familiar with the design and maintenance requirements of the vegetated swale. The plans included in your package provide more details about the specific facility components.

Swale Channel and Plantings

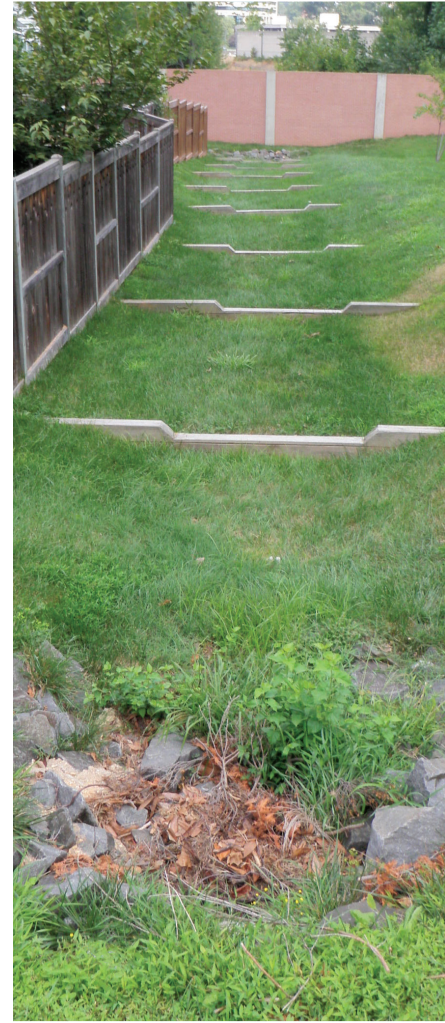
This is a visible above-ground portion of the vegetated swale, consisting of an engineered channel along which water flows. The location is shown on the approved facility plans. The approved plans also specify any required plantings and/or groundcover materials to be installed within and along the swale channel.

- Is the channel footprint in conformance with approved plan? Answer should be 'Yes'.
- Is groundcover present and in accordance with approved plan? Answer should be 'Yes'.
- Are all required plantings present and healthy? Answer should be 'Yes'.
- Is there any trash, debris, or sediment present? Answer should be 'No'.
- Are there any bare spots or eroded areas present? Answer should be 'No'.
- Are there any unauthorized plantings present? Answer should be 'No'.

Check Dams

These are low structures, usually between 3" and 12" tall, built across the channel at regular points, intended to slow the flow of water down the channel's length. Check dam materials vary, including timber, stone, and concrete. Required check dam locations and designs are shown on the approved plans for each facility.

- Are all check dams present and in conformance with approved plan? Answer should be 'Yes'.
- Are the check dams damaged? Answer should be 'No'.



AN OVERALL VIEW OF A GRASS SWALE. The CHECK DAMS are the horizontal concrete structures and the SWALE CHANNEL is the grassed area located between the check dams. The INFLOW is the pipe that is surrounded by stones.



Observation Well

If required on the approved plan, this is a vertical PVC pipe installed within the infiltration trench bed, with a few inches of pipe and a screw-on cap visible at the ground surface.

- Is the observation well cap present? Answer should be ‘Yes’.
- Can the observation well cap be easily opened? Answer should be ‘Yes’.
- Is there water present in the observation well? Answer should be ‘No’.
- Is there any debris present in the observation well? Answer should be ‘No’.

Inflow

This is the method by which water flows into the vegetated swale, which typically consists of roof drain downspouts and overland sheet flow (e.g. flow from driveways, sidewalks and yards).

- Is the flow from the roof drains towards the infiltration trench, either above or below ground, in conformance with the approved plan? Answer should be ‘Yes’.
- Is the flow from the overland sheet flow towards the infiltration trench, either above or below ground, in conformance with the approved plan? Answer should be ‘Yes’.

VEGETATED SWALE.
Swale channel, plantings
and observation well.

