

Vegetated Channels Construction Checklist

*This checklist has been designed for vegetated channels
in accordance with the Delaware Sediment and Stormwater Program's
Post Construction Stormwater BMP Standards, Specifications and Details*

PROJECT INFORMATION

Project Name: _____

Location: _____

Contractor: _____

Construction Reviewer: _____

Date(s) / Time(s) of Inspections: _____

KEY:

- | | |
|------------|----------------------------|
| <u>✓</u> | Item meets standard |
| <u>X</u> | Item not acceptable |
| <u>N/A</u> | Item not applicable |

I. Pre-Construction

- _____ A. Facility location staked out. Extents of vegetated channel (to include pre-treatment area) delineated and access by equipment prohibited to prevent compaction of existing soils.
- _____ B. Upstream drainage area stabilized or effectively diverted prior to beginning construction of the channel.
- _____ C. Pretreatment type
- _____ (1) Grass Filter Strip
 - _____ (2) Gravel or Stone Diaphragm
 - _____ (3) Gravel or Stone Level Spreader
 - _____ (4) Initial Sediment Forebay
 - _____ (5) Check Dams, if required on the approved Plan
 - _____ (6) Other: _____
- _____ D. Verify the equipment on the site are large enough to excavate the channel from the sides; not sitting in the bottom of the channel footprint.

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Construction Reviewer: _____

II. Excavation

_____ A. Facility excavated to dimensions and at location as per the approved plan.

_____ B. Facility excavated from the sides so as to not compact the existing soil.

_____ C. Groundwater not encountered during excavation.

(Note: If groundwater is encountered during the excavation process, construction of the facility must cease and the designer notified that a plan modification is necessary)

_____ D. Outlet protection provided at discharge point.

_____ E. (If applicable) Channel Underdrain

_____ (1) Pipe Type and Size: _____

_____ (2) Type of stone: _____

_____ (3) Verify depth of stone: _____

_____ (4) Geotextile fabric type: _____

III. Grading

_____ A. Proper grading connecting the pretreatment practice to the vegetated channel as specified on the approved Plan.

_____ B. Side slopes installed as per the approved Plan.

_____ C. Bottom of channel graded as per the approved Plan.

_____ D. Installation of stone check dams, if required on the approved Plan.

IV. Vegetation

_____ A. Vegetation planted on the bottom and slopes of the channel as indicated on the approved Plan.

_____ B. Seeding applied at a rate to achieve 90% germination.

V. Erosion and Sediment Control

_____ A. Installed erosion control matting in the conveyance area as specified on the approved Plan.