

Permeable Pavement Construction Checklist

This checklist has been designed for permeable pavement practices constructed 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:

- Item meets standard**
- Item not acceptable**
- Item not applicable**

I. Pre-Construction

- _____ A. Facility location staked out. Extents of infiltration practice delineated and access by equipment prohibited to prevent compaction of existing soils.
- _____ B. Upstream drainage area stabilized or effectively diverted.
- _____ C. Materials on-site and dimensions and properties checked.
 - _____ (1) Underdrain (if applicable)
 - _____ (2) Filter course stone (clean-washed) Stone #: _____
 - _____ (3) Bedding course stone (clean-washed) Stone #: _____
 - _____ (4) Outfall pipe
 - _____ (5) Observation ports
 - _____ (6) Joint fill stone (if applicable) Stone #: _____
- _____ D. Equipment on the site large enough to excavate infiltration area from the sides of the facility.

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II. Excavation

- _____ A. Facility excavated to dimensions and at location as per the approved plan.
- _____ B. Stepwise excavation used for infiltration facilities.
- _____ C. Facility excavated from the sides so as to not compact the existing soil.
- _____ D. 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)
- _____ E. Bottom of excavation within design slope range.
- _____ F. Native soils at the bottom of the excavation are scarified 3-4" to promote infiltration.

III. Structural Components

(For infiltration practices containing underdrain components)

- _____ A. Underdrain pipe material according to approved plan. *(Note: If underdrain pipe material is not specified, it shall be SDR 35 minimum)*
Underdrain pipe material: _____
- _____ B. Underdrain pipe sizes according to approved plans.
Underdrain pipe diameter(s): _____
- _____ C. Underdrain pipe perforations according to approved plans.
(Note: If not specified on the plan, three rows of 5/8" diameter perforations, 6" on-center, shall be provided)
- _____ D. Underdrain piping lay flat or with positive slope toward outlet.
- _____ E. Clean-outs and/or observation ports provided at endpoints of underdrain pipes or as shown on the approved Plan.
- _____ F. Closely follow the installation steps and design on the approved Sediment and Stormwater Plan.