

Soil Amendments Construction Checklist

This checklist has been developed for BMPs designed in accordance with the Delaware Sediment and Stormwater Program's Post Construction Stormwater BMP Standards and Specifications. Submit interim versions of this construction checklist to the approval agency weekly with the Certified Construction Reviewer report. Submit the final completed checklist with the PCVD.

PROJECT INFORMATION

Project Name/BMP Name: _____

Project Approval Number: _____ NOI number: _____

Location: _____

Contractor: _____

Construction Reviewer: _____

Supervising P.E.: _____

For each checklist item, enter in the blank the date (MM/DD/YY) the item is completed and verified by the construction reviewer. If an item is not applicable, enter "N/A" in the blank for that checklist item.

I. Pre-Construction

A. _____ Soil amendments field meeting with responsible person and person completing construction checklist.

B. _____ Extents of soil amendments area location staked out.

C. _____ Materials on-site and properties checked and confirmed to be in accordance with the approved plan. ***Submit materials invoice or delivery tickets to approval agency as part of PCVD for the following items:***

i. _____ Compost soil amendment

ii. _____ Other; list: _____

II. Excavation and Grading

A. _____ Groundwater not encountered during excavation/tilling. (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)

B. _____ Deep tilling to a depth of 2'-3' perpendicular to the direction of flow for compost incorporation depths up to 12".

C. _____ Compost incorporation depths 12" or greater completed the following items:

i. _____ Existing topsoil stripped and stockpiled for later use.

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- ii. _____ Excavate subsoils to the depths specified in accordance with the approved plan strips perpendicular to the slope/flowpath, using multiple lifts.
- iii. _____ Removal of a minimum 25% of the subsoil, densely compacted soils removed first. Remaining subsoil stockpiled for later use.
- iv. _____ Bottom of soil amendment area excavation scarified prior to placement of soil amendments.

III. Incorporate Soil Amendment Components

- A. _____ Compost incorporation depths up to 12 inches completed the following items:
 - i. _____ Confirmation that existing soils are dry prior to compost incorporation.
 - ii. _____ Placement of compost layer to the depth and location specified in accordance with the approved plans.
 - iii. _____ Roto-tilled compost layer into existing soils.
- B. _____ Compost incorporation depths 12 inches or greater completed the following items:
 - i. _____ Excavated soil amendment area filled in minimum 2 lifts
 - ii. _____ Lifts consist of loosened, aerated and mixed existing subsoils, stockpiled topsoil, and compost layer. Compost uniformly incorporated throughout each layer.
 - iii. _____ Confirmation that existing soils are dry prior to compost incorporation.
 - iv. _____ Rake to level and surface woody debris and rocks larger than 1 inch removed.
 - v. _____ Last lift to be a minimum of 4 inches above final grade to account for settlement.
- C. _____ Photo documentation of construction taken. ***Submit photo documentation to approval agency as part of PCVD.*** (Photo #: _____)

IV. Vegetative Stabilization

- A. _____ Vegetated areas have completed the following items. ***Submit soil test report, lime, fertilizer, compost, planting and seed tickets to approval agency as part of PCVD.***
 - i. _____ Soil testing at least 1 week after compost has been incorporated.
 - ii. _____ Nutritional requirements, pH adjustment, and organic matter adjustments in accordance with the soil test.
 - iii. _____ Application of seed to the soil surface using approved methods.
 - iv. _____ Areas to be planted completed in accordance with the approved plans

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v. _____ Mulch applied in accordance with the approved plan.

B. _____ Photo documentation of landscaping components taken. **Submit photo documentation to approval agency as part of PCVD.** (Photo #: _____)

V. Erosion and Sediment Control

A. _____ Sediment prevented from entering soil amendment area by keeping using perimeter controls as specified on the approved plan.

B. _____ Sediment controls removed once drainage area meets final stabilization standard.

VI. Maintenance Access

A. _____ Maintenance access in accordance with the approved plans.

VII. Post Construction Verification

Owner shall submit post construction verification documents to demonstrate that the soil amendment practice has been constructed within allowable tolerances in accordance with the Approved Sediment and Stormwater Management Plan and accepted by the approving agency.

A. _____ Verification of soil amendment depth

B. _____ Compost delivery tickets

C. _____ Photo documentation of construction

VIII. BMP Acceptance

A. _____ Final BMP construction review complete.

B. _____ All BMP punch list items addressed.

C. _____ Soil amendments is online (stabilized drainage area is entering soil amendments).

D. _____ As-built survey.

E. _____ PCVD submitted to approval agency for review and approval. Submit the following pieces of PCVD documentation to the approval agency:

- Materials invoice or delivery tickets
- Photo documentation
- Soil test report
- Compost, lime, fertilizer, and seed tickets
- As-built survey
- Final, completed BMP Construction Checklist