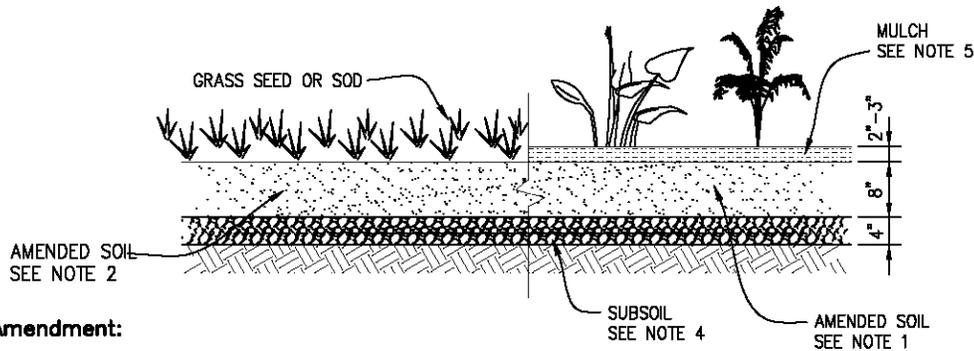


# SOIL AMENDMENT NOTES FOR BMP T5.13

LAST REVISED: 04/01/2016

REFERENCE: WA STATE DEPT. OF ECOLOGY'S STORMWATER MANAGEMENT MANUAL FOR W. WA



**Notes for Soil Amendment:**

**General:**

1. For planting areas, the minimum acceptable organic matter content by dry weight is 10% (loss-on-ignition testing).
2. For turf areas, the minimum acceptable organic matter content by dry weight is 5% (loss-on-ignition testing).
3. A minimum organic-amended depth of 8 inches (except in tree protection areas) is required.
4. Subsoil shall be scarified 4 inches below amended layer to produce 12-inch depth of un-compacted soil.
5. Planting beds should be mulched after planting with 2 to 3 inches of organic material such as arborist wood chip mulch.
6. Soil amendment cannot be placed in overly saturated soils. It is recommended that the soil amendment be placed between May 1 and October 1, when soils are typically driest and less subject to compaction.
7. Prior to soil installation, applicant will submit soil test verification, including tests from either supplier or contractor (depending on option chosen) to verify organic matter content and that compost meets WAC specifications. Soil verification test method must meet ASTM D2974. The verification shall clearly state the following (at a minimum): test date, test method used, testing company, and loss-on-ignition (LOI) results.

For projects 4 lots or less – you must import amended soil meeting the requirements below:

1. For planting beds, a mix by volume of 40% compost (meeting WAC 173-350-220) with 60% mineral aggregate is pre-approved to meet the organic matter content by dry weight (loss-on-ignition test).
2. For turf areas, a mix by volume of 25% compost (meeting WAC 173-350-220) with 75% mineral aggregate is pre-approved to meet the organic matter content by dry weight (loss-on-ignition test).

For projects 5 lots or greater – you may either import amended soil meeting the requirements above or follow Option 1 or Option 2 below:

**Option 1 – Amending Existing Disturbed Topsoil:**

1. For planting beds, 3 inches of compost (meeting WAC 173-350-220) incorporated into the top 8 inch depth is pre-approved to meet the organic matter content by dry weight (loss-on-ignition test).
2. For turf areas, 1.75 inches of compost (meeting WAC 173-350-220) incorporated into the top 8 inch depth is pre-approved to meet the organic matter content by dry weight (loss-on-ignition test).

**Option 2 – Amending Stockpiled Topsoil from Cleared Areas:**

1. Stockpile and cover soil with 3 inches of wood chips, weed barrier, or other breathable materials that sheds moisture yet allows air transmission.
2. Test stockpile material (prior to adding compost) for organic matter content to determine whether additional compost must be tilled into the stockpiled material to meet the required organic matter content by dry weight (loss-on-ignition test).
3. After the stockpiled material has been laid, a soil sample will be taken by applicant / contractor for every 5,000 sf or every lot (whichever is less) to test that the site meets the required organic matter content by dry weight (loss-on-ignition test).

CITY OF KIRKLAND	
PLAN NO. CK-E.12	
	SOIL AMENDMENT