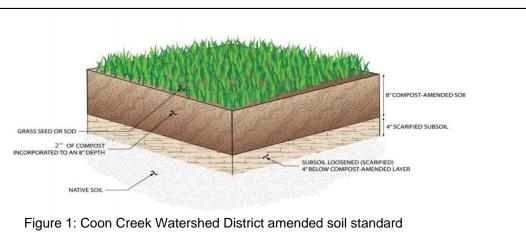
STANDARD OPERATING PROCEDURE (S.O.P.) FOR: AMENDED SOIL QUALITY AND DEPTH TEST





The main conditions to be confirmed are:

- 1. Provision of eight (8) inches of compost amended soil or imported topsoil.
- 2. Four (4) inches of scarified (loosened) subsoil below the topsoil layer (for a total uncompacted depth of 12 inches).
- 3. Grass seed or sod.

SITE INSPECTION SUPPLIES: 1.) Sturdy shovel, 2.) Tape measure or 12" ruler, 3.) Rod Penetrometer (see Step 4 for details)

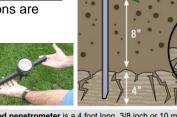
The following steps may be completed at multiple visits as a project progresses or in one final project approval inspection:

| Step 1: Compare site conditions with the approved Plan Set. | Step 2: Inspect delivery tickets for compost and topsoil. | Step 3: Verify depth of amended soils and scarification. |
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| Make sure site conditions match these details: | Permitee must provide original delivery tickets for all soil and compost products stating the following information: | Use a shovel to dig at least <u>one</u> <u>test hole per</u> |
| -Soil amendment areas match approved drawings. | -Soil specification stating that the soil consists of 20-25% compost by volume or soil test showing 5% organic matter by | acre to verify eight inch topsoil depth, incorporation |
| -Areas with amended soils have been fenced off during construction to prevent soil compaction. | -Total quantities for each soil product and compost. | of amendments, and four inches of uncompacted soil. |
| | -Product descriptions and sources. | -The top eight inches of soil should be |

Step 4: Check soil depth in several spots.

Use a simple "rod penetrometer" See illustration at right) to confirm that the soil is uncompacted twelve inches deep at <u>ten locations per acre - with a minimum of</u> <u>ten on smaller sites</u>. Additional test locations are encouraged.

The rod penetrometer should enter the soil 12 in. deep, driven solely by the inspector's weight. Irregular scarification or rocks in the lower layer may require probing a few spots at each location to reach the full depth.



A rod penetrometer is a 4 foot long, 3/8 inch or 10 mm diameter stainless steel rod with a 90 degree bend 5 inches form the top to make a handle, and a 30 degree bevel cut 1/8 inch or 3 mm into the side of the tip. -The top eight inches of soil should be easy to dig using a garden spade driven solely by your weight. The soil should be darker than the unamended soil below, and particles of added compost (organic matter) are likely to be visible. Soil that requires vigorous chipping with the shovel to penetrate does not meet the requirement.

-The next four-inch depth of soil should be loose enough to penetrate with the shovel.