

ITEM 610.100XXX09 - SURFACE-APPLIED COMPOST

DESCRIPTION

This work shall consist of furnishing and placing surface-applied compost in accordance with the contract documents and as directed by the Engineer.

MATERIALS

The following sections of the standard specifications apply:

Compost §713-15

Surface-Applied Compost: Type C, as described under §713-15.

CONSTRUCTION DETAILS

Preparation: Prior to placing compost, the Contractor shall prepare the areas indicated in the contract documents to facilitate bonding between the compost and the existing soil surface by:

- Slightly roughening, tilling or scarifying surfaces to a depth of 150 mm.
- Removing all debris, large clods, rocks, stumps, and any undesirable roots larger than 50 mm in diameter.
- “Tracking” surfaces by a minimum of two passes in a manner that creates an even pattern of creases perpendicular to the existing contours. Tracking can be done by mechanical equipment or hand raking.

For extremely steep, inaccessible or other areas noted in the contract documents and as determined by the Engineer, the Contractor will not be required to till and remove debris, clods, rocks, stumps and roots but shall roughen and track as much of the surface of such areas as possible using the teeth of a track hoe bucket, with the bucket teeth parallel to the contours. Smoothing of the slope is not permitted.

Applying Compost: The Contractor shall evenly distribute compost over the prepared areas to the depths indicated in the contract documents, using an approved method including (but not limited to): pneumatic blower unit, side discharge manure methods, units that propel the product directly at the soil surface, or manually. In addition, equipment such as bulldozers, front end loaders and bucket trucks and/or manual methods shall be used to spread the compost.

Regardless of the application method used, the Contractor shall establish good contact between the existing soil and the surface-applied compost in a manner that prevents water from moving between the soil- compost interfaces. The limits of the surface-applied compost shall extend approximately 900 mm beyond the top of the slope or shall overlap adjacent undisturbed areas (including existing vegetation), where applicable.

The Contractor shall thoroughly water the compost to a depth of 25 mm after it is applied. Watering shall not displace or cause the surface-applied compost to erode. The cost for this watering shall be included in the cost for this pay item.

Surface-applied compost may be used in conjunction with other appropriate structural and non-structural erosion/sediment control measures. Examples include compost erosion/sediment control filter berms, erosion control blankets, silt fence and temporary seed and/or mulch. When used with

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other erosion/sediment control measures, those items shall be included in the contract, and estimated and paid for separately.

The temporary or permanent seeding of surface-applied compost surfaces, as well as subsequent applications of water to applied seeds, shall not displace or cause the surface-applied compost to erode.

METHOD OF MEASUREMENT

This work will be measured as the number of cubic meters, measured on slope to the nearest whole cubic meter of compost satisfactorily furnished and placed.

BASIS OF PAYMENT

The unit price bid shall include the cost of furnishing all labor, materials, and equipment necessary to satisfactorily complete the work.

Where XXX is the depth of the compost in millimeters.