

## CONSTRUCTION SPECIFICATION

### **762. Compost Filter Sock**

#### **1. SCOPE**

This work consists of furnishing, placement and maintenance of a 50/50 mix organic compost and wood chip, placed in a water permeable sock, as an erosion and sediment control practice including all material, equipment, and labor necessary for the installation, maintenance, partial removal (when required) and residual wood chip and compost spreading of the Compost Filter Sock device.

#### **2. QUALITY**

Compost for the Compost Filter Socks shall conform to the requirements of Material Specification 806 for Coarse Compost and this specification.

Wood chips shall be 1 inch maximum in any dimension, and free of bark or inner bark pieces.

Compost Filter Sock mesh shall be a high density polyethylene (HDPE), expandable, tubular, photodegradable 3 mil to 5 mil, 3/8 inch knitted mesh netting fabric sock of the diameter specified.

Wood Stakes shall not be less than 1 ¾ inch nor more than 2 inches in width and thickness and of a length sufficient to permit a 12inch ground embedment and 1 inch exposure at the top of the filled Compost Filter Sock.

#### **3. STORAGE**

Before use, the Compost Filter Sock mesh material shall be stored in a dry location and in a safe area to prevent damage to material.

#### **4. SURFACE PREPARATION**

Remove all rocks, fill all depressions and grade out all high spots that interfere with continuous Compost Filter Sock contact with the ground. Compost Filter Socks shall be staked through the outer mesh material at a 45 degree angle in the direction of flow.

#### **5. PLACEMENT**

Fill sock with approved compost at the designated erosion control area or fill and transport to the project site. Fill sock with compost using pneumatic blower equipment designed to blow compost/bark. Tie off ends of the sock. Create filled compost filter socks to the lengths required.

Place compost filter sock on level contour or surface as indicated. Position the filter

sock around the structure or surface to be protected to create a complete physical barrier to intercept any sheet flow of drainage water and allowing sediment to collect on the outside of the sock. Ensure a minimal overlap of at least 12 inches on either side of the area to be protected. Anchor filter sock with approved stakes or other devices capable of holding the sock in place.

For bottom of slope installations, position filter sock parallel to the base of the slope to be protected in order to intercept sheet flow of drainage water. Place filter sock at least 5 feet distance from the toe of slope if possible. Do not place the sock where it will concentrate drainage runoff or channel water to another location. Position each closed end of the sock pointing upslope so that the ends are at a higher elevation than the overall filter sock body.

For ditch check applications, pack loose compost on the upstream side of the Compost Sock to eliminate flow under the device.

## **6. MEASUREMENT AND PAYMENT**

This work will be measured for payment per foot. Overlap lengths will be measured as a single length.

## **7. ITEMS OF WORK AND CONSTRUCTION DETAILS**

See Standard Practice 814.