

## 210 – SALVAGING, STOCKPILING AND PLACING TOPSOIL

### SECTION 210

#### SALVAGING, STOCKPILING AND PLACING TOPSOIL

##### 210.1 DESCRIPTION

Within the construction limits, excavate existing topsoil from cut areas and areas to be covered by embankments. Haul and stockpile the salvaged topsoil to a location approved by the Engineer. Place the salvaged topsoil on backslopes, foreslopes and ditches or as directed by the Engineer. Do not place topsoil in areas of rock that are on a 3:1 slope or steeper in rock ditches or other areas listed in the plans. Leave stockpile areas in a neat condition.

##### BID ITEM

Salvaged Topsoil

##### UNITS

Square Yard

##### 210.2 MATERIALS

Use the existing topsoil (available natural topsoil) from within the project construction limits. The topsoil may contain organic matter.

Do not use topsoil containing toxic matter.

##### 210.3 CONSTRUCTION REQUIREMENTS

Before excavating the topsoil from the locations shown in the Contract Documents, remove all trees, shrubs, stumps, and other objectionable material as directed by the Engineer, from the areas. Unless specified otherwise in the Contract Documents, salvage the topsoil to a depth of 6 inches.

Stockpile topsoil or place topsoil at completed locations. Locate stockpiles within the right-of-way where topsoil will not run off into any waterway due to a rain event and where it will not impair drainage. Obtain the Engineer's approval of any stockpile site.

Finish all excavations and embankments before placing the topsoil. Place the topsoil to the finish elevation. Adjust the cut and fill sections to accommodate the placement of the salvaged topsoil such that after placement the cross section will be at the final grade as shown on the Plans. Note: If a cut section is rock, do not undercut.

After placing the topsoil, use harrows or disks to break down clods and lumps. If placing heavy clay-bearing soil (Plastic Index greater than 25) on top of light sandy soil (Plastic Index less than 8), disk to a depth that will uniformly mix the two soils in equal portions. Manipulate and roll the topsoil with placing and spreading equipment to consolidate the material. If necessary, adjust the moisture content of the soil by adding water to or aerating the material.

Provide temporary erosion and pollution control according to **DIVISION 900**.

##### 210.4 MEASUREMENT AND PAYMENT

**a. Contract Quantities.** Provided the project is constructed essentially to the lines and grades shown in the Contract Documents, the quantities shown in the Contract Documents for the various balances will be the quantities for which payment is made.

If the Contract Documents are altered, or if the Engineer or the Contractor questions the accuracy of the contract quantities for topsoil in any balance, either party may request measurement of the quantities involved.

The quantity of roadway excavation to be measured for payment will not include excavation made below embankment areas to obtain topsoil or excavation made in undercutting slopes, ditches and shoulders in preparing such areas for topsoil placement. This excavation is subsidiary to salvaged topsoil.

Topsoil quantities shall not be deducted from the excavation quantities.

**b. Measured Quantities.** The Engineer will measure salvaged topsoil excavated by the square yard.

**c. Payment.** Payment for "Salvaged Topsoil" at the contract unit price is full compensation for the specified work.