

## **ROCK PLATING:**

(7-21-09) (Rev 10-19-10)

SP2 R85

### **Description**

Construct rock plating in accordance with the contract. Rock plating is required to stabilize slopes at locations shown on the plans.

### **Materials**

Refer to Division 10 of the *Standard Specifications*:

<b>Item</b>	<b>Section</b>
Select Material	1016
Plain Riprap	1042
Subsurface Drainage Materials	1044
Filter Fabric for Rock Plating, Type 2	1056

Use Class IV Select Material (standard size no. ABC) over riprap and Class V Select Material (standard size no. 78M) for subdrain coarse aggregate. Use Class 1, 2 or B Riprap unless required otherwise on the plans. Provide polyvinyl chloride (PVC) plastic subdrain pipes, fittings and outlet pipes for subsurface drainage materials.

### **Construction Methods**

Construct embankments in accordance with the contract. Compact fill slopes to the satisfaction of the Engineer using tracked equipment or other approved methods. Undercut as necessary to install rock plating on cut slope faces or embed rock plating below the ground line.

Unroll fabrics down slopes, i.e., perpendicular to the roadway centerline. Bury filter fabrics at or near top of slopes and embed fabrics at toe of slopes as shown on the plans. Filter fabrics should be continuous down slopes. However, if fabric roll length is too short, overlap ends of fabric rolls at least 5 ft with the upper fabric over the lower as shown on the plans. Filter fabrics may be discontinuous down slopes in the direction perpendicular to the roadway centerline only once per roll width.

Overlap adjacent filter fabrics along slopes at least 18" as shown on the plans. Use wire staples as needed to hold fabrics in place until covered. Do not displace or damage filter fabrics while placing riprap. When shown on the plans, install 6" diameter perforated subdrain pipes at toe of slopes in accordance with Article 815-3 of the *Standard Specifications*. Place subdrain coarse aggregate beneath, around and over pipes such that pipes are covered by at least 6" of aggregate. Provide subdrain pipes with positive drainage towards outlets.

When shown on the plans, place filter fabrics and 18" of ABC over riprap at top of slopes. Compact ABC to 92% of AASHTO T180 as modified by the Department or to the highest density that can be reasonably obtained.

## Measurement and Payment

*Rock Plating* will be measured and paid in square yards. Rock plating will be measured along the slope faces of rock plated slopes as the exposed riprap and if applicable, ABC. No payment will be made for portions of rock plating embedded below the ground line. The contract unit price for *Rock Plating* will be full compensation for providing, transporting and placing filter fabric, wire staples, riprap and ABC. The contract unit price for *Rock Plating* will also be full compensation for undercut excavation to install rock plating on cut slope faces or embed rock plating below the ground line.

Subsurface drainage will be measured and paid in accordance with Section 815 of the *Standard Specifications*.

Payment will be made under:

<b>Pay Item</b>	<b>Pay Unit</b>
Rock Plating	Square Yard