

**SECTION 611 - HAND-LAID RIPRAP**

**611.01 Description.** This section describes constructing hand-laid riprap.

**611.02 Materials.**

Geotextile 716.02

Stones for riprap shall be clean, sound, durable, one-man stone. Stones shall be at least 3 inches thick in least dimension containing more than half cubic foot in volume. Stones that do not extend through revetment will not be allowed.

**611.03 Construction.** Excavate in accordance with Section 206 – Excavation and Backfill for Drainage Facilities.

Make sufficient excavation to expose foundation bed. Free foundation bed of brush, trees, stumps, roots, debris, and other objectionable materials, and dress to smooth surface. Prior to placing geotextile fabric provide 3 days notice to Engineer for inspection of foundation.

After foundation is acceptable to Engineer, place geotextile fabric in accordance with manufacturer's recommendations or as indicated in contract documents. Remove and replace geotextile fabric that is displaced or damaged during riprap placement, at no increase in contract cost or contract time. Distribute stones to prevent large accumulations of either large or small sized stones.

**611.04 Measurement.** Hand-laid riprap will be paid on a lump sum basis. Measurement for payment will not apply.

**611.05 Payment.** Engineer will pay for the accepted quantities of hand-laid riprap on a contract lump sum basis. Payment will be full compensation for the work prescribed in this section and the contract documents.

Engineer will pay for the following pay item when included in proposal schedule:

<b>Pay Item</b>	<b>Pay Unit</b>
Hand-Laid Riprap	Lump Sum

Lump sum monthly payment basis will be determined in accordance with Subsection 109.01 – Schedule of Agreed Prices for Lump Sum Price Items.

**END OF SECTION 611**