



# ***REGIONAL CONSTRUCTION*** **STANDARDS**

**FIFTH EDITION**

**Publication Update #13**

Full Committee Approved Proposed Revision #18  
as Publication Update #13.

Modify Sections 303.1.1 and 109.XI, and add Section 303.III.E.  
to include a description and a new pay item for Protective  
Coverings and Soil Stabilization Mats

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Smith**

303	Sheeting, bracing, and shoring left in place (trenching)	Earthwork	LS
303	Rip-Rap for erosion control	Earthwork	TON or SY
303	Check dam (log or rock)	Earthwork	EA
303	Baled straw check dam	Earthwork	EA
303	Temporary silt fence	Earthwork	LF
303	Geotextile fabric for Erosion Control	Earthwork	SY
303	Temporary filter barrier	Earthwork	LF
303	Sediment basin excavation	Earthwork	CY
303	Slope drain	Earthwork	EA
303	Siltation control excavation for Sedimentation Traps and Basins	Earthwork	CY
303	Inlet Protection ( type of device)	Earthwork	EA
303	Construction entrance	Earthwork	EA
<b>303</b>	<b>Protective coverings and soil stabilization mats</b>	<b>Earthwork</b>	<b>SY</b>
305	Select material - Type I	Subgrade and Shoulders	TON
305	Select material - Types II or III	Subgrade and Shoulders	CY
305	Gravel Driveway Replacement	Subgrade and Shoulders	EA
309	Aggregate material (base course)	Aggregate Base Course	CY or TON
309	Aggregate base material (base course for curb and gutter)	Aggregate Base Course	CY or TON
310	Tack coat	Tack and Prime Coat	GALLON
310	Prime coat	Tack and Prime Coat	GALLON or SY
313	Asphalt surface treatment	Asphalt Surface Treatment	SY
315/ 315A	Asphalt concrete (type and class)	Asphalt Concrete Pavement	TON or SY
315/ 315A	Bituminous Leveling Course	Asphalt Concrete Pavement	TON
315/ 315A	Edge clipping of shoulders	Asphalt Concrete Pavement	LF
315/ 315A	Asphalt Driveways (Thickness)	Asphalt Concrete Pavement	SY or EA
317	Pavement Patch	Pavement Patching	LF or SY
406	Reinforcing steel or welded wire mesh	Reinforcing Steel	POUND
406	Epoxy-coated reinforcing steel	Reinforcing Steel	POUND
414	Dry riprap (class and depth)	Riprap	SY or TON
414	Mortared riprap	Riprap	SY
414	Grouted riprap	Riprap	SY or TON
414	Dumped riprap	Riprap	SY or TON
414	Concrete riprap in bags	Riprap	CY
414	Erosion control rip rap	Riprap	SY or TON
501	Underdrain and combination underdrain	Underdrains	LF
501	Geotextile Fabric	Underdrains	LF
502	Curb, combination curb and gutter (detail designation)	Concrete Items	LF

## SECTION 303

### EARTHWORK

#### I. GENERAL

##### 1.1 DESCRIPTION OF WORK

The Contractor shall furnish all labor, supervision, material (except as herein provided), tools, equipment, supplies, and laboratory and field services; and, shall perform all Work necessary for earthwork in accordance with the requirements of these specifications and in conformity with the specified tolerances for the lines, grades, typical sections, and cross sections shown on the Drawings or as established by the Owner. Earthwork shall include regular, undercut, and minor structure excavation; placing fill and select material; disposing of surplus and unsuitable material; shaping; compacting; sloping; dressing; sheeting; bracing; shoring; trenching; bedding and back-filling; dewatering, **protective covering for soil retention**, and temporary erosion and sediment control.

##### 1.2 MATERIALS

Materials shall be furnished by the Contractor in accordance with Section 200.

##### 1.3 SUBMITTALS

Submittals shall be made by the Contractor in accordance with the procedures set forth in Sections 105 and 200.3.

#### II. EXECUTION

Excavation shall be done in such a manner that there are no violations of the *Virginia Erosion and Sediment Control Handbook*, latest edition.

##### 2.1 ROADWAY EARTHWORK

- A. Loose rock 3-inches or larger shall be removed from the surface of cut slopes.
- B. When slides occur, the Contractor shall remove and dispose of material as directed by the Owner.
- C. Where required, surface ditches shall be cut on the top of slopes of excavation or at the foot of slopes of embankments and at such other points not necessarily confined to the right-of-way or shown on the Drawings, and shall be of such dimensions and grades as directed by the Owner.
- D. Allaying dust shall be performed in accordance with the requirements of Section 511 and the Contract Documents.
- E. Prior to the beginning of excavation, grading, and fill operations in any area, necessary clearing and grubbing in that area shall have been performed in accordance with the requirements of Section 301 and the Contract Documents.

12. Siltation control excavation for sediment traps and basins shall be measured and paid at the unit price bid per cubic yard and computed using the average end-area method. The price shall include excavation and disposal of accumulated silt.
13. Construction entrances shall be measured and paid as each, independent of size or area. This price shall include furnishing and installing stone; maintaining and backfill, or removing to original ground when no longer needed; and dressing the area.

**E. Protective coverings and soil stabilization mats**

**Protective coverings and soil stabilization mats will be measured in square yards of area covered, complete-in-place, in accordance with the nominal plan dimensions and will be paid for at the contract unit price per square yard. Overlaps, overwidths, and cut slots will not be measured for separate payment. This price shall include furnishing, installing, and stapling soil retention coverings; smoothing and shaping ditch channels and waterways; preparing seed beds; and furnishing and applying top- soil, lime, seed, fertilizer, and water.**

**F. Surplus material shall not be measured for separate payment.**

End of Section