

ITEM 8101018 — EROSION CONTROL (STABILIZED CONSTRUCTION ENTRANCE/EXIT GRAVEL PAD)

Description:

The installation of Erosion/Sediment Control Gravel Pad Best Management Practice (BMP) for Stabilized Construction Entrance/Exit shall be employed to assist in controlling and minimizing the transportation of debris/soil/dust from the disturbed project site onto the adjacent roadways/surface streets or Waters of the US. The fractured/crushed Gradation C rocks and associated Nonwoven Very High Survivability Fabric will be required to be completely removed at the completion of the project. The contractor, in conjunction with the Engineer, shall evaluate and determine the locations, as well as quantities of the construction entrance/exit gravel pads in spite of what is proposed in the plans and/or details. Stabilized Construction Entrance/Exit Gravel Pads may be relocated at no additional cost to the Department, with the approval of the Engineer, as the project progresses.

Materials:

Rock materials shall be sound and durable, clean and washed angular shape aggregate/gravel materials and free of silt/dust, seams as well as free of coatings, and of such characteristics that they will not disintegrate when subjected to the action of water. The contractor shall not impair air and stormwater quality through selecting and installing rock materials to maximum extent practicable (MEP). Sedimentary rocks and/or rock materials that will naturally generate excessive fine particles shall not be allowed.

Rock materials shall also conform to the requirements specified on the plans and these Special Provisions. The Bulk Specific Gravity (Saturated Surface Dry – SSD) shall be determined in accordance with the requirements of the Sub-section 913—2.01 (A). Rock materials installed in place shall be well graded, angular crushed rocks. Control for the rock gradation will be by visual inspection of the Engineer. The source from which the rock materials will be obtained shall be selected well in advance of the time when it will be required in the work. In addition, the acceptability of the rock materials shall be according to the Sub-section 913—2.01 (A).

Construction Requirements:

The bed for the rock mulch shall be shaped and leveled to provide even surfaces and at a depth to accommodate the rock size as well as depth of rock materials specified on the plans.

The finished surface rock materials may be placed by dumping and spreading in layers by bulldozers or other suitable equipment. Placement depth shall be six (6) to twelve (12) inches based on the necessities of construction vehicle/equipment as per the evaluation of the contractor as well as approval of the Engineer.

Install nonwoven fabric when water is applied for construction vehicle/equipment cleaning on gravel pad. Edge treatment trenching and nonwoven fabric shall not be required if no wash water is used for vehicle/equipment cleaning. If installed, fabric used below the

angular crushed rocks shall comply with Sub-section 1014-4.04 for Nonwoven Very High Survivability Fabric.

Bury the edge of Nonwoven Very High Survivability Fabric in the installation trench along perimeter of gravel pad as shown in the Detail. The section of the trench shall be a minimum of 18" (depth) X 12" (width). Bury Nonwoven Very High Survivability Fabric along the sides and bottom of the trench to form a "U".

The contractor shall remove and legally dispose from the site all rock materials and fabric associated with this element of work within the time frame as approved by the Engineer.

The contractor may propose alternative methods of the Stabilized Construction Entrance/Exit Erosion/Sediment Control Measure (CM) at no additional cost to the Department. If applied, shop drawings shall be submitted to the Engineer for approval.

Method of Measurement:

Item 8101018—EROSION CONTROL (STABILIZED CONSTRUCTION ENTRANCE/EXIT GRAVEL PAD) will be measured by the Square Yard installed. Measurement will not include any separate measurement of the nonwoven separation fabric or removal and disposal of materials which are being considered an incidental cost to this item of work.

Basis of Payment:

The accepted quantities of Item 8101018—EROSION CONTROL (STABILIZED CONSTRUCTION ENTRANCE/EXIT GRAVEL PAD) measured as provided above, will be paid for at the contract price per Square Yard (Yd²), which price shall be full compensation for the work, complete in place, including grading area to accept rocks, excavating, furnishing and placing material, relocating, removing and disposing of all materials and backfilling, and re-compacting and all other work specified shall be considered as included in the unit cost.

SECTION 810 — EROSION CONTROL AND POLLUTION PREVENTION

810-2.03 Riprap and Rock Mulch of the Standard Specifications is **revised to read:**

Gradation C Rock Mulch (fractured/crushed rocks in angular shape)	
Sieve Size	Percent Passing
3.75 Inch	100
2.5 Inch	50 — 75
2 Inch	30 — 50
1 Inch	10 — 20