

**ITEM 615.8201NN08 - BOULDER CLUSTERS FOR STREAM BED ESTABLISHMENT**

**DESCRIPTION**

This work shall consist of furnishing and installing a boulder cluster within a stream bed establishment area in accordance with the contract documents and as directed by the Engineer.

**MATERIALS**

A boulder cluster placed within a stream bed establishment area shall be composed of rounded or sub-rounded stone of natural origin that does not consist of shale or contain poor durability material. The boulders shall be composed of the same rock type and general color as the predominant stones naturally occurring in the existing stream directly upstream or downstream of the stream bed establishment area. Boulders that are the product of crushing or blasting of ledge rock or contain a large fractured face are not acceptable. The largest dimension on any boulder shall not exceed three times the boulders smallest dimension.

The source of material for boulder clusters shall be approved by the Project Engineer. Material for boulder clusters shall be visually evaluated at an identified pile constructed at the source for approval by the Regional Environmental Contact.

The Regional Environmental Contact shall provide written documentation to the Engineer of stockpile acceptance or rejection.

**CONSTRUCTION DETAILS**

Boulder clusters for stream bed establishment shall meet the sizes shown and be placed in accordance with the plans and details shown in the contract documents. Boulder clusters for stream bed establishment shall be substantially free of excess soil prior to installation.

**METHOD OF MEASUREMENT**

This work will be measured as the number of boulder clusters for stream bed establishment satisfactorily furnished and installed.

**BASIS OF PAYMENT**

The unit price bid shall include the cost of furnishing all labor, materials, and equipment necessary to satisfactorily complete the work.