

## **ITEM 613.04----01 - STOCKPILING AND PLACING EXISTING STREAM BED MATERIALS**

### **DESCRIPTION**

This work shall consist of stockpiling and placing existing stream bed materials in conformance with the lines, grades and thickness shown in the Contract Documents or as directed by the Engineer.

### **MATERIALS**

Stream bed materials shall come from the existing stream bed areas within the work limits as shown in the Contract Documents or as determined by the Engineer.

Stream bed materials shall be the surface layer of the native stream bed and shall be free of refuse and debris.

### **CONSTRUCTION DETAILS**

1. **Work Plan.** The Contractor shall submit a work plan to the Engineer describing the methodology and equipment that will be utilized to complete the stripping, stockpiling, and placing of the stream bed materials. The work plan shall also identify the Contractor's protection of all watercourses from water borne sediment or other pollutants. No work shall commence in the stream bed until the Engineer has reviewed and provided the Contractor with written acceptance of the work plan.
2. **Stripping of Existing Stream bed Materials.** Stream bed materials shall be stripped from the areas and to the depth designated in the Contract Documents or as directed by the Engineer. The stream bed materials shall be stripped prior to starting the general excavation in the area. After stripping, the stream bed materials shall be immediately placed or stockpiled in a location approved by the Engineer and surrounded with an appropriate erosion control measure.
3. **Preparation of Areas to Receive Stream bed Materials.** The surface within the areas to be covered by stream bed materials shall be de-watered and graded so that the completed work after the stream bed material is placed, shall conform to the specified lines and grades. The Contractor shall chink the voids in these areas as necessary to the satisfaction of the Engineer, prior to the placement of the stream bed materials.
4. **Placing and Spreading of Stream bed Materials.** The stream bed materials shall be placed to the thickness and grade lines designated as shown in the contract documents and in a manner consistent with the approved work plan, unless otherwise directed by the Engineer.
5. **Restoration.** The sites of all stockpiles and areas adjacent thereto which have been disturbed by the Contractor shall be graded as required by the Engineer and put into a condition acceptable for seeding. Surplus stream bed materials shall be disposed of in accordance with the provisions of 203-Disposal of Surplus Excavated Material.

**ITEM 613.04----01 - STOCKPILING AND PLACING EXISTING STREAM BED MATERIALS**

**METHOD OF MEASUREMENT**

Stream bed material quantities shall be measured in cubic meters, computed from the final (in place) payment lines shown on the plans except where revised payment lines are established by the Engineer.

**BASIS OF PAYMENT**

The unit price bid shall include the cost of furnishing all equipment, labor, and materials necessary to complete the work as specified. The stripping (excavation) of the stream bed materials shall be paid for under the appropriate excavation item(s) as noted in the Contract Documents.