

## **ITEM 01203.0309 M - SHOULDER BACKUP MATERIAL**

### **DESCRIPTION:**

This work shall consist of furnishing and placing backup material adjacent to shoulders to eliminate drop-offs to original ground at locations and per details shown in the Contract Documents or as directed by the Engineer. At each location specified, this material will meet the requirements of either Option A (Suitable and Establishing Turf), used in front of developed properties and as directed by the Engineer, or Option B (Crusher-Run), used in those locations not identified for the use of Option A and as directed by the Engineer.

Option A (Suitable and Establishing Turf). Consists of furnishing, placing, grading, and compacting suitable material; furnishing and installing fertilizer, seed, mulch, and mulch anchorage. The work also consists of producing a satisfactory established turf.

Option B (Crusher-Run). Consists of furnishing, placing, grading and compacting crusher-run material.

### **MATERIALS:**

Option A (Suitable and Establishing Turf). Suitable material shall be the surface layer of soil and shall be free from refuse, any material toxic to plant growth, subsoil, woody vegetation, and stumps, roots, brush, stones, clay lumps or similar objects larger than 25 mm in greatest dimension. Sod and herbaceous growth such as grass and weeds need not be removed but shall be thoroughly broken up and mixed with the soil during handling operations. Gradation shall be subject to the approval of the Engineer. Material that is impractical to place or grade as shown in the Contract Documents or as determined by the Engineer shall not be used.

Turf establishment materials shall conform to the requirements of Subsection 610-2.02, Establishing Turf.

Option B (Crusher-Run). The backup material shall consist of well-graded crusher-run material from an approved quarry source. The material shall contain no organic, deleterious, hazardous or toxic material. Gradation shall be subject to the approval of the Engineer, however no material larger than 25 mm in greatest dimension shall be allowed. Material that is impractical to place or grade as shown in the Contract Documents or as determined by the Engineer shall not be used.

### **CONSTRUCTION DETAILS:**

Option A (Suitable and Establishing Turf). The shoulder backup material shall be placed as shown in the Contract Documents, or as directed by the Engineer. The material shall be placed, graded and compacted to the satisfaction of the Engineer. Turf shall be established in accordance with the details of Subsection 610-3.02, Establishing Turf.

Option B (Crusher-Run). The shoulder backup material shall be placed at locations and as detailed in the Contract Documents or as directed by the Engineer. This material shall be placed, graded and compacted to the satisfaction of the Engineer.

### **METHOD OF MEASUREMENT:**

Option A or B. The unit of measure for this item will be the number of linear meters, measured along the edge of each shoulder, where the shoulder backup material is properly placed.

### **BASIS OF PAYMENT:**

Option A or B. The unit price bid per linear meter shall include the cost of all labor, material and equipment necessary to satisfactorily complete the work.