

**Section 02910****TOPSOIL****1.0 GENERAL****1.01 SECTION INCLUDES**

- A Furnishing and placing topsoil for finish grading and for seeding, sodding, and planting.
- B References to Technical Specifications:
  - 1. Section 01200 - Measurement and Payment Procedures
  - 2. Section 01350 – Submittals
  - 3. Section 01450 – Testing Laboratory Services
  - 4. Section 01500 – Temporary Facilities and Controls
  - 5. Section 02200 – Site Preparation
  - 6. Section 01140 – Contractor’s Use of Premises

**1.02 MEASUREMENT AND PAYMENT**

- A Unless indicated as a Bid Item, no separate payment will be made for topsoil under this Section. Include cost in Bid Items for which topsoil is a component.
- B If topsoil is included as a Bid Item, measurement will be based on the units shown in Section 00300 – Bid Proposal and in accordance with Section 01200 – Measurement and Payment Procedures.

**1.03 SUBMITTALS**

- A Make Submittals required by this Section under the provisions of Section 01350 – Submittals.
- B Submit product quality, material sources, and field quality information in accordance with this Section.

**1.04 TESTING**

- A Testing and analysis of product quality, material sources, or field quality shall be performed by an independent testing laboratory provided by the Owner under the provisions of Section 01450 – Testing Laboratory Services and as specified in this Section.

**1.05 PROTECTION OF PEOPLE AND PROPERTY**

- A Contractor shall conduct all construction operations under this Contract in conformance with the practices described in Section 01500 – Temporary Facilities and Controls.

## **2.0 PRODUCTS**

### **2.01 TOPSOIL**

- A Topsoil shall be fertile, friable, natural sandy loam surface soil obtained from excavation or borrow operations having the following characteristics:
1. pH value of between 5.5 and 6.5.
  2. Liquid limit: topsoil not exceed 50
  3. Plasticity index: 10 or less.
  4. Gradation: maximum of 40 percent with a passing the #280 sieve.
- B Topsoil shall be reasonably free of subsoil, clay lumps, weeds, non-soil materials and other litter or contamination. Topsoil shall not contain roots, stumps, and stones larger than 2 inches.
- C Obtain topsoil from the top material from naturally well drained areas where topsoil occurs at a minimum depth of 4 inches and has similar characteristics to that found at the placement site. Do not obtain topsoil from areas infected with a growth of, or reproductive parts of nut grass or other noxious weeds.

## **3.0 EXECUTION**

### **3.01 EXAMINATION**

- A Verify that excavation and embankment operations have been completed to correct lines and grades.

### **3.02 TOPSOIL STRIPPING AND STOCKPILING**

- A Conform to topsoil stripping and stockpiling requirements of Section 02200 – Site Preparation.

### **3.03 PLACEMENT**

- A Contractor shall conduct erosion control practices described in Section 01566 - Source Controls for Erosion and Sedimentation during topsoil placement operations.
- B For areas to be seeded or sodded, scarify or plow existing surface material to a minimum depth of 4 inches, or as indicated on the Plans. Remove any vegetation and foreign inorganic material. Place 4 inches of topsoil on the loosened material and roll lightly with an appropriate lawn roller to consolidate the topsoil.
- C Increase depth of topsoil to 6 inches when placed over cement stabilized sand used as bedding and backfill material.
- D For areas to receive bushes or trees, excavate existing material and place topsoil to the depth and dimensions shown on the Plans.

- E Remove spilled topsoil from curbs, gutters, and, paved areas and dispose of excess topsoil in accordance with requirements of Section 01140 – Contractor’s Use of Premises.

**3.04 PROTECTION OF THE WORK**

- A Protect and maintain topsoil until a vegetative cover is established.
- B Repair areas damaged by Contractor's operations at no cost to Owner.

END OF SECTION