

## **1.0 GENERAL**

### **1.1 TOPSOIL**

- .1 No placing of topsoil shall take place until the subgrade trimming has been approved by the Project Manager.
- .2 A minimum depth of 150 mm (6 inches) of topsoil shall be placed on all sites. Where subgrade materials are porous and subject to high percolation rates, an additional amount of loam up to 225 mm (9 inches) may be required.
- .3 Topsoil shall be friable, neither heavy clay nor of very light sandy nature, consisting of approximately 45% sand, 35% silt, 20% clay and a pH value ranging from 6.5 to 7.5. Topsoil shall be free from subsoil, roots, vegetation, debris, toxic materials, and stones over 25mm (one inch) in diameter. Topsoil minimum organic content shall be six (6) percent. Topsoil shall consist of a homogeneous mixture of topsoil and compost within the top 150 mm (6 inches).
- .4 The Contractor shall notify the Project Manager as to the source of the organic material. A sample will be taken within one (1) working day. A laboratory test will be conducted to ensure that the organic material meets the requirements for pathogens and heavy metal content. No placement of the organic material shall take place until the laboratory results of the test are received, and evaluated. The City shall pay for the cost of the initial test.
- .5 The Contractor shall notify the Project Manager when the organic material has been incorporated into the topsoil. A soil sample will be taken within one (1) working day. No further development shall take place until the laboratory results of the soil test are received, evaluated and the topsoil meets the criteria for 6% organic matter as noted above. The City shall pay for the cost of the initial soil test.
- .6 When the seeding does not take place within one week of the preparation of the soil bed, the soil bed shall be rescarified to a minimum depth of 150 mm (6 inches) prior to seeding taking place. The soil bed shall be loose and friable.

### **1.2 INSPECTION**

- .1 Have all subgrade preparation complete, finished grades established and results of soil test meet the topsoil criteria.
- .2 Give one (1) working day notice to the Project Manager when work is available for inspection.

- .3 Receive in writing from the Project Manager, approval of the subgrade before proceeding with the placement of topsoil.

**END OF SECTION**