

## **Part 1      General**

### **1.1            Related Sections**

- .1      Section 32 91 21 – Topsoil Placement and Grading.
- .2      Section 32 92 23 – Sodding.

### **1.2            References**

- .1      American Society for Testing and Materials (ASTM)
  - .1      ASTM D698-91(1998), Test Method for Laboratory Compaction Characteristics of Soil Using Standard Effort (600 kN-m/m).

### **1.3            Existing Conditions**

- .1      Known underground and surface utility lines and buried objects are as indicated on site plan. Confirm with Contract Administrator.

### **1.4            Protection**

- .1      Protect and/or transplant existing buildings, pavement, surface or underground utility lines which are to remain as directed by Contract Administrator. If damaged, restore to original or better condition unless directed otherwise.
- .2      Maintain access roads to prevent accumulation of construction related debris on roads.

## **Part 2      Products**

### **2.1            Materials**

- .1      Excavated or graded material existing on site may be suitable to use as fill for grading work if approved by Contract Administrator.

## **Part 3      Execution**

### **3.1            Stripping of Topsoil**

- .1      Do not handle topsoil while in wet or frozen condition or in any manner in which soil structure is adversely affected.
- .2      Commence topsoil stripping of areas as required and as directed by Contract Administrator after area has been cleared of brush, weeds and grasses.
- .3      Strip topsoil to depths as indicated. Rototill weeds and grasses and retain as topsoil on site. Avoid mixing topsoil with subsoil.

- .4 Stockpile in locations as directed by Contract Administrator. Stockpile height not to exceed 2 m.
- .5 Dispose of unused topsoil as directed by Contract Administrator.

### **3.2 Grading**

- .1 Rough grade to levels, profiles, and contours allowing for surface treatment as indicated.
- .2 Rough grade to following depths below finish grades:
  - .1 115 mm for seeded areas.
  - .2 100 mm for sodded areas.
  - .3 300 mm for shrub beds.
  - .4 75 mm for asphalt and gravel paving.
  - .5 50 mm for concrete paving, walks, and precast paving units.
- .3 Slope rough grade away from building as indicated.
- .4 Grade ditches to depth as indicated.
- .5 Prior to placing fill over existing ground, scarify surface to depth of 150 mm. Maintain fill and existing surface at approximately same moisture content to facilitate bonding.
- .6 Compact filled and disturbed areas to maximum dry density to ASTM D698, as follows:
  - .1 85% under landscaped areas.
  - .2 95 % under paved and walk areas.

### **3.3 Quality Control**

- .1 Remove surplus material and material unsuitable for fill, grading or landscaping as directed by Contract Administrator.

**END OF SECTION**