

Approved: 2006-09-30

Part 1 General

- 1.1 Material Supplied By Departmental Representative / Dcc Representative/ Consultant
 - .1 Departmental Representative will supply topsoil previously stockpiled on job site.
 - .2 **If topsoil required exceeds stockpiled topsoil available onsite, additional topsoil will be an addition to the contract.**
- 1.2 Related Requirements
 - .1 Section 31 14 13 Soil Stripping and Stockpiling
 - .2 Section 31 22 13 Rough Grading
- 1.3 Measurement Procedures
 - .1 Measurement Procedures.
 - .1 Preparation of sub-grade for placing of topsoil will be measured in square metres of area prepared.
 - .2 Topsoil stripping
 - .1 Section 31 14 13 Soil Stripping and Stockpiling.
 - .3 Measure placing and spreading and finish grading of topsoil in cubic metres removed from stockpile.
 - .1 Stockpiles will be measured by Departmental Representative and volume of topsoil removed calculated by average end area method.
 - .2 Payment Procedures.
 - .1 Unit rate payment per square metre of rough graded site area.
- 1.4 References
 - .1 Agriculture and Agri-Food Canada
 - .1 The Canadian System of Soil Classification, Third Edition, 1998.
 - .2 Canadian Council of Ministers of the Environment
 - .1 PN1340-2005, Guidelines for Compost Quality.
 - .3 U.S. Environmental Protection Agency (EPA)/Office of Water
 - .1 EPA 832R92005, Storm Water Management for Construction Activities: Developing Pollution Prevention Plans and Best Management Practices.
- 1.5 Quality Assurance
 - .1 Pre-installation meetings: conduct pre-installation meeting to verify project requirements, installation instructions and warranty requirements in accordance with Section 01 32 16.07 - Construction Progress Schedules - Bar (GANTT) Chart.

Part 2 Products

- 2.1 Topsoil
 - .1 Use stockpiled topsoil from stripping.

Part 3 Execution

- 3.1 Temporary Erosion And Sedimentation Control
 - .1 Provide temporary erosion and sedimentation control measures to prevent soil erosion and discharge of soil-bearing water runoff or airborne dust to adjacent properties and walkways, according to sediment and erosion control plan, specific to site, that complies with EPA 832/R-92-005 or requirements of authorities having jurisdiction, whichever is more stringent.
 - .2 Inspect, repair, and maintain erosion and sedimentation control measures during construction until permanent vegetation has been established.
 - .3 Remove erosion and sedimentation controls and restore and stabilize areas disturbed during removal.
- 3.2 Stripping Of Topsoil
 - .1 Section 31 14 13 Soil Stripping and Stockpiling
- 3.3 Preparation Of Existing Grade
 - .1 Section 31 22 13 Rough Grading
 - .2 Cultivate entire area which is to receive topsoil to minimum depth of 100 mm.
 - .1 Cross cultivate those areas where equipment used for hauling and spreading has compacted soil.
- 3.4 Placing And Spreading Of Topsoil/Planting Soil
 - .1 Place topsoil after Departmental Representative has accepted subgrade.
 - .2 Spread topsoil in uniform layers not exceeding 150 mm.
 - .3 For sodded areas keep topsoil 15 mm below finished grade.
 - .4 Spread topsoil to following minimum depths after settlement.
 - .1 150 mm for seeded areas.
 - .2 150 mm for sodded areas.
 - .3 500 mm for shrub beds.
 - .4 In the event of surplus unused topsoil, spread as directed by Departmental Representative
 - .5 Manually spread topsoil/planting soil around trees, shrubs and obstacles.
- 3.5 Finish Grading
 - .1 Grade to eliminate rough spots and low areas and ensure positive drainage.

- .1 Prepare loose friable bed by means of cultivation and subsequent raking.
 - .2 Consolidate topsoil to required bulk density using equipment approved by Departmental Representative.
 - .1 Leave surfaces smooth, uniform and firm against deep footprinting.
- 3.6 Acceptance
 - .1 Departmental Representative will inspect and test topsoil in place and determine acceptance of material, depth of topsoil and finish grading.
- 3.7 Surplus Material
 - .1 Dispose of materials except topsoil not required where directed by Departmental Representative.
- 3.8 Cleaning
 - .1 Proceed in accordance with Section 01 74 11 - Cleaning.
 - .2 Upon completion of installation, remove surplus materials, rubbish, tools and equipment barriers.

END OF SECTION