



Part 1 General

1.1 DESCRIPTION OF WORK

- .1 The work shall include the supply of topsoil from excavation or trenching and stockpiled on site, or imported) and the utilization of this material in the backfilling and final grading operation.

Part 2 Products

2.1 TOPSOIL MATERIAL

- .1 'Topsoil' shall be defined as on-site topsoil stripped from excavation areas and stockpiled or imported topsoil. It shall be natural fertile, friable agricultural soil containing not less than 6% of organic matter with a pH value ranging from 5.9 to 7.0. Topsoil shall be reasonably free from subsoil, slag, clay, stones, lumps, live plants, roots, sticks, quack grass, noxious weeds and foreign matter.

Part 3 Execution

3.1 PREPARATION OF SUBGRADE

- .1 The Contractor shall remove all foreign material, undesirable plants, roots, stones in excess of 50 mm, debris and soil contaminated with oil or gasoline from the site. The subgrade shall be graded to eliminate uneven areas and depressions and to maintain surface drainage along ditches. The Contractor shall obtain the approval of the Engineer prior to the commencement of placing of topsoil.

3.2 TOPSOIL PLACEMENT

- .1 The Contractor shall place the topsoil to the required elevations and prevent damage to adjacent structures and/or vegetation.
- .2 The surface of the topsoil shall be graded until it is smooth and lumps or clods of topsoil are broken. The topsoil shall be fine graded to ensure positive drainage and shall be feathered around perimeters into existing areas requiring re-growth of vegetation.
- .3 The Engineer may require the topsoil to be rolled for consolidation in areas to be seeded or sodded leaving the surface smooth, uniform and with a fine loose texture.



- .4 Where pipeline construction takes place on cultivated agricultural land, the Contractor shall strip or blade the topsoil in the area affected by construction along the proposed pipeline route. The Engineer shall designate and approve those areas which shall be stripped. The topsoil shall be replaced following backfill operations.
- .5 Where construction takes place in Highway and Provincial Road ditches, the Contractor may be required to strip or blade topsoil in the area affected by construction along the proposed pipeline route. The Engineer shall designate and approve those areas which shall be stripped. The topsoil shall be replaced following backfilling operations. If less than 50 mm of topsoil exists in the Provincial Trunk Highway or Provincial Road ditches, the Engineer may deem stripping to be impracticable.
- .6 A minimum thickness of 100mm topsoil shall be placed on surfaces designated to be seeded or sodded where required by the specifications; Special Provision Section 01001.