

PART 1 - GENERAL

- 1.1 RELATED SECTIONS
- .1 Section 01 29 83 - Payment Procedures: Testing Laboratory Services.
  - .2 Section 31 23 10 - Excavation, Trenching and Backfilling.
- 1.2 REFERENCES
- .1 American Society for Testing and Materials (ASTM)
    - .1 ASTM D698-07e1, Test Method for Laboratory Compaction Characteristics of Soil Using Standard Effort (600 kN-m/m<sup>3</sup>).
- 1.3 EXISTING CONDITIONS
- .1 Examine subsurface investigation report which is bound into specification.
  - .2 Known underground and surface utility lines and buried objects are as indicated on site plan. Lines shown for information purposes only. Contractor is responsible for obtaining locates prior to commencing work.
  - .3 Refer to dewatering in Section 31 23 10.
- 1.4 PROTECTION
- .1 Protect and/or transplant existing fencing trees, landscaping, natural features, bench marks, buildings, pavement, surface or underground utility lines which are to remain as directed by Departmental Representative. 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 Fill material: Type 3 in accordance with of Section 31 23 10.
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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 as determined by Departmental Representative.
- .2 Commence topsoil stripping of areas as directed by Departmental Representative after area has been cleared of brush weeds and grasses and removed from site.
- .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 Departmental Representative. Stockpile height not to exceed 2 m.
- .5 Dispose of unused topsoil off site.

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 as indicated:
  - .3 Slope rough grade away from building as indicated (offers more choice).
  - .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.
  - .7 Do not disturb soil within branch spread of trees or shrubs to remain.
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3.3 TESTING  
(Cont'd)

.2 Submit testing procedure, frequency of tests,  
testing results to Departmental Representative  
for review.

3.4 SURPLUS  
MATERIAL

.1 Remove surplus material and material unsuitable  
for fill, grading or landscaping off site.