

PART 1 GENERAL

1.1 Work Included

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1.2 Related Sections

- .1 Section 01 45 00 – Quality Control
- .2 Section 31 05 16 – Aggregates
- .3 Section 31 23 17 – Rock Removal
- .4 Section 31 23 33.01 – Trenching and Backfilling
- .5 Section 31 32 19.01 – Geotextiles
- .6 Section 32 11 23 – Roadway Grading

1.3 References

- .1 ASTM International
 - .1 ASTM D698-[07e1], Test Method for Laboratory Compaction Characteristics of Soil Using Standard Effort (600 kN-m/m³).

1.4 ACTION AND INFORMATIONAL SUBMITTALS

- .1 Submit in accordance with Section 01 33 00 – Shop Drawings and Submittals
- .2 Sustainable Design Submittals:
 - .1 EPP Canada submittals: in accordance with Section 01 35 43 – Environmental Procedures
 - .2 Construction Waste Management:
 - .1 Submit project Waste Management Plan highlighting recycling and salvage requirements.
 - .2 Erosion and Sedimentation Control: submit copy of erosion and sedimentation control plan in accordance with Section 01 35 43 – Environmental Procedures

1.5 EXISTING CONDITIONS

- .1 Examine subsurface investigation report which is available upon request
- .2 Known underground and surface utility lines and buried objects are as indicated on site plan.
- .3 Refer to dewatering in Section 31 23 33.01 - Excavating, Trenching and Backfilling

PART 2 PRODUCTS

2.1 MATERIALS

- .1 Fill material:
 - .1 Granular A shall Conform to the requirements listed in Section 31 05 16 – Aggregates
 - .2 Granular B shall Conform to the requirements listed in Section 31 05 16 - Aggregates
 - .3 Granular C shall Conform to the requirements listed in Section 31 05 16 – Aggregates
 - .4 Sand shall Conform to the requirements listed in Section 31 05 16 - Aggregates
- .2 Excavated or graded material existing on site suitable to use as fill for grading work if approved by Consultant.

PART 3 EXECUTION

3.1 EXAMINATION

- .1 Verification of Conditions: verify that conditions of substrate previously installed under other Sections or Contracts are acceptable for rough grading installation in accordance with manufacturer's written instructions.
 - .1 Visually inspect substrate in presence of Owner's Representative
 - .2 Inform Owner's Representative of unacceptable conditions immediately upon discovery.
 - .3 Proceed with installation only after unacceptable conditions have been remedied and after receipt of written approval to proceed from Owner's Representative.

3.2 Stripping Of Organic Material

- .1 Unless Specifically directed, there shall be no stripping of the organic layer of material.
- .2 Stripping of the organic material shall only occur in areas requiring excavation to prepare the subgrade at the design elevation.

3.3 GRADING

- .1 Rough grade to levels, profiles, and contours allowing for surface treatment as indicated.
- .2 Rough grade to following depths below finish grades:
 - .1 100 mm for Lot Grading
- .3 If required, slope rough grade away from building as indicated.
- .4 Grade ditches to depth as indicated
- .5 Compact filled and disturbed areas to maximum dry density to ASTM D698, as follows:
 - .1 85% under industrial lots

.2 95% along roadways

.6 Do not disturb soil within branch spread of trees or shrubs to remain.

3.4 TESTING

.1 Not used

3.5 CLEANING

.1 Progress Cleaning: clean in accordance with Section 01 74 11 - Cleaning.

.1 Leave Work area clean at end of each day.

.2 Final Cleaning: upon completion remove surplus materials, rubbish, tools and equipment in accordance with Section 01 74 11 - Cleaning.

3.6 PROTECTION

.1 Protect existing natural features, bench marks, buildings, surface or underground utility lines which are to remain as directed by Owner's 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.

END OF SECTION