

1 General

1.1 RELATED WORK

.1 Coordinate the requirements of this section with all other sections, including but not limited to:

- .1 Section 01410 Testing Laboratory Services
- .2 Section 02065 Existing Plant Material
- .3 Section 02070 Demolition, Removal and Salvage
- .4 Section 02212 Topsoil
- .5 Section 02233 Granular Base
- .6 Section 02511 Crusher Dust
- .7 Section 02515 Unit Paving
- .8 Section 02523 Concrete
- .9 Section 02552 Asphalt
- .10 Section 02872 Play Surfacing
- .11 Section 02875 Infields

1.2 QUALITY CONTROL

.1 City of Saskatoon, Parks Branch and Consultant to approve rough grading and sub grade preparation for Work.

- .1 Notification is required when unsuitable or waste material is encountered during rough grading operations.

1.3 INSPECTIONS

.1 Notify City of Saskatoon, Parks Branch and Consultant for inspection of:

- .1 Sub grade preparation, after compaction, before placement of finish grade material.
- .2 Sub grade preparation, after compaction, before placement of granular base.

ROUGH GRADING

1.4 TESTING

- .1 Rough grading and sub grade preparation for surface treatments including asphalt may be subject to compaction tests by an approved testing laboratory service or as directed by the City of Saskatoon, Parks Branch.

2 Products

2.1 MATERIALS

- .1 Existing On Site Fill Material: clean subsoil material for rough grading, containing no organic matter, waste material or other unsuitable material deemed to be detrimental to construction of rough grade.
 - .1 Granular base, excavated from existing pathways, is considered acceptable fill material if buried a minimum of 1.0m below design sub grade.
 - .2 Sand infield material, excavated from existing ball diamond infields, is considered acceptable fill material if buried a minimum of 1.0m below finish grade.
 - .3 Topsoil is acceptable fill material within soft landscape areas.
- .2 Imported Fill Material: clean subsoil material, as approved for rough grading, containing no organic matter, waste material or other unsuitable material deemed to be detrimental to construction of rough grade.
- .3 Waste: materials found on site which are deemed unsuitable for fill, grading or landscaping, includes:
 - .1 Soil contaminated with asphalt rubble, concrete and other building waste materials.
 - .2 Soil containing spongy or yielding material, organic material, frozen materials, wet or saturated materials, toxic materials, alkaline material, and other unsuitable materials.

3 Execution

3.1 PREPARATION

- .1 Ensure existing plant material and other items to remain are properly protected from damage during rough grading.
- .2 Remove weeds, stones, debris, and other foreign material in excess of 50mm diameter before start of Work.

3.2 LAYOUT

- .1 Approval before final excavation for layout of pathways and granular parking lots is required.

ROUGH GRADING

- .2 Contractor is responsible for layout accuracy.
- .2 Establish and maintain line and grade controls using appropriate survey personnel and equipment.
 - .1 Check surface grades continuously as Work proceeds.
 - .2 Normal tolerance will be +/- 25 mm, except where greater accuracy is specified.

3.3 ROUGH GRADING

- .1 Rough grade to sub grade elevations. Ensure same moisture content between existing ground and graded material to facilitate bonding.
 - .1 Burying of waste material or unsuitable material is prohibited.
- .2 Rough grade to designed sub grades per drawings, allowing for the depths required for hard and soft landscape surface treatments.
- .3 Backfill areas over excavated below designed sub grade with selected material or granular backfill.
- .4 Compact sub grade to Standard Proctor per ASTM D-698.
 - .1 If soil is too moist, dry top 300mm by aeration to optimum moisture content.
 - .2 If the soil is too dry, add water uniformly with pressure water sprayer to achieve optimum moisture content.
 - .3 Use sheeps foot type roller or other equipment to achieve compaction.
 - .4 Do not over compact sub grade for the use intended.
- .5 Compact sub grade to the following Standard Proctor densities:

Turf areas (except sportsfields)	85%
Sportsfield areas	90%
Infield areas	95%
Play Surfacing	95%
Gravel Parking Lots and Crusher Dust areas	97%
Unit Paving, Concrete and Asphalt areas	97%

- .6 Eliminate uneven or low areas, ensuring positive drainage.
 - .1 Re-grade areas damaged during construction of other Work.

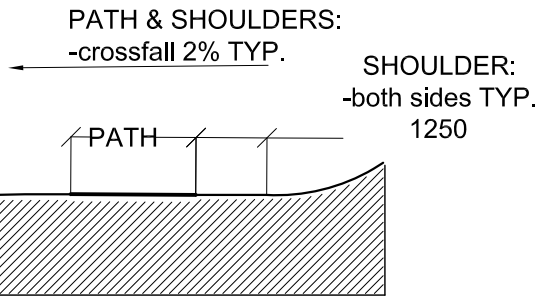
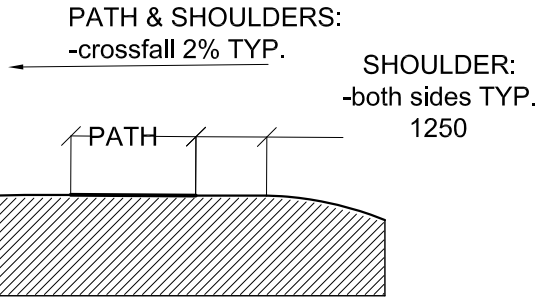
ROUGH GRADING

3.4 CLEAN-UP

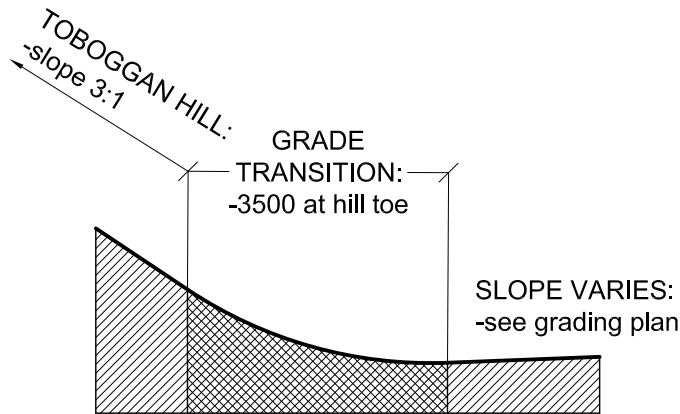
- .1 Remove and dispose of excess material, waste material and surface debris.
- .2 Clean adjacent walks and road surfaces at the end of each working day.

END OF SECTION

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PATH - GRADE TRANSITIONS



TOBOGGAN HILL BASE - GRADE TRANSITION

NOTE:

1. All units are in millimeters U.N.O.
2. Refer to grading plan for elevations and grades.

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