
1.0 GENERAL

1.1 Scope

- 1.1.1 The work shall consist of the excavation of all materials other than rock excavation and shall include soil, frozen earth, roots and plain or bituminous bound base courses or cement stabilized soils. Excavation shall be to the finished grade and cross-section shown on the drawings or designated by the Engineer.
- 1.1.2 Waste excavation shall consist of removing unsuitable materials and stockpiling or disposing of material not incorporated into an embankment at a site designated by the Engineer.
- 1.1.3 All excavations shall satisfy the requirement of the most recent version of the Saskatchewan Occupational Health and Safety Regulations.

1.2 Related Sections

- 1.2.1 Section 02120 – Embankments
- 1.2.2 Section 02130 – Subgrade Preparation

2.0 PRODUCTS

None in this section

3.0 EXECUTION

3.1 Construction

- 3.1.1 Prior to the start of work, the Contractor shall be responsible for contacting each agency for field locating services to determine the location of any underground utilities or services that may be damaged during excavation.
- 3.1.2 Protect trees including root systems and canopy from damage in accordance with the Regina Urban Forest Management Strategy (Appendix G) and the Forestry Bylaw #9607.
- 3.1.3 Strip topsoil and organic material from the area prior to start of excavation. If the excavated top soil is designated to be re-used on site, it shall be stockpiled on site. Otherwise, it shall be properly disposed of off-site or in locations indicated on the plans or as directed by the Engineer.
- 3.1.4 The Contractor shall shape the cut section to the depth and grades established by the Engineer. Suitable excavated material shall be used as far as practicable in the formation of fills, embankments or for other backfill.

Excess excavated material not used in the subgrade construction shall be disposed of at the City landfill, unless otherwise approved by the Engineer.

- 3.1.5 If the material below the subgrade surface consists of unsuitable materials, it shall be removed and disposed of as directed by the Engineer. This work will be referred to as "sub-cut." Suitable excavated material from another portion of the project shall be used to fill the "sub-cut" area. If sufficient suitable excavated material is not available from the excavation, upon authorization of the Engineer, material shall be obtained from a borrow pit or other approved source. Construction of sub-cut areas shall be in accordance with Section 2130 for Subgrade Preparation.
- 3.1.6 Construction of embankment areas shall be in accordance with Section 2120 for Embankments.
- 3.1.7 For rural cross sections, sub-cut areas in cut sections to a depth of 600mm in accordance with Section 2130 for Subgrade preparation.
- 3.1.8 For urban cross sections, refer to Section 2130 for preparation of subgrade with subsurface drainage.
- 3.1.9 The Contractor will be required to repair any damage caused to existing pavements, sidewalks or underground facilities during excavation, to the original or better condition, at no additional cost.
- 3.1.5 The Contractor will be responsible for constructing and maintaining any or all haul roads required in the execution of the work. The Contractor will be responsible for removing, trimming, scarifying and cleaning of the haul road sites to restore them to their original condition to the satisfaction of the Engineer.