

1.0 GENERAL

1.1 REFERENCES

Provide Waste Fill placement in accordance with the following standards except where specified otherwise.

- .1 American Society for Testing and Materials (ASTM)
 - .1 ASTM D698 Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Standard Effort (12,400 ft-lbf/ft³ (600 kN-m/m³))

2.0 PRODUCTS

2.1 MATERIALS

- .1 Waste Fill: Refer to Section 02330 – Earthwork Materials for material specifications.

3.0 EXECUTION

3.1 WASTE FILL PLACEMENT

- .1 Perform stripping as specified in Section 02234 – Topsoil and Subsoil Stripping.
- .2 Remove debris, snow, ice, and excess water prior to starting Waste Fill placement.
- .3 Receiving surfaces for Waste Fill may be frozen.
- .4 Excavate, Load, Haul, and dispose of all Waste Fill from the Site to an approved Off-Site Owner provided Waste Fill site, or Contractor provided site.
- .5 The area(s) receiving waste fill are to maintain positive drainage throughout placement operations.
- .6 Waste Fill may include frozen material; however, temporarily stockpile large frozen particles that cannot be broken and placed to the specified loose lift thickness, and compacted as specified. Allow stockpiled frozen material to thaw prior to placing and compacting in its final location.
- .7 Spread the Waste Fill using a maximum loose lift thickness of 400 mm in order to eliminate large voids. If hand operated equipment is being utilized, the loose lift thickness is to be reduced to a 300 mm thickness.
- .8 Compact each lift of Waste Fill by performing a minimum of 4 passes utilizing a minimum 10-ton compactor. A single pass means the complete coverage of the fill lift. Overlap required for complete coverage will not be considered to provide any portion of a subsequent or previous pass. The Owner or Engineer of Record can increase the number of passes required based on the equipment being utilized by the contractor, and the condition of the fill material and subgrade at the time of placement.

- .9 If compaction records are required by the Town of Drumheller or private property owner, the waste fill is to be compacted to a minimum of 92% of the Standard Proctor Maximum Dry Density as determined by ASTM D698. Depending on the specific location the waste soils are being placed, a higher degree of compaction may be required during waste fill placement.
- .10 Place Waste Fill at an approved Off-Site Owner provided Waste Fill site, Contractor provided site, or as directed by the Owner. Provide finished side slopes that are 3H:1V or flatter.
- .11 Regrade Waste Fill areas, after the previously placed Waste Fill materials have subsided, to provide a neat, uniform, and positively draining surface.
- .12 Permanent grade supported structures are not to be situated within waste fill placement areas.

END OF SECTION