

PART 1 - GENERAL

- 1.1 Definitions
- .1 Topsoil: material capable of supporting good vegetative growth and suitable for use in top dressing, landscaping and seeding.
 - .2 Waste material: material unsuitable for use in embankment or surplus to requirements.
 - .3 Excavated rock material: excavated rock material obtained from areas on site required for construction of embankments or for other portions of work.
 - .4 Embankment: excavated rock and granular materials as shown on the Project Drawings.
 - .5 Pavement structure: combination of layers of unbound or stabilized granular sub-base, base, and asphalt or concrete surfacing.
 - .6 Subgrade elevation: elevation immediately below pavement structure.
- 1.2 Traffic Provisions
- .1 Provide and maintain roadways, walkways and detours, for vehicular and pedestrian traffic and access to fire hydrants, alarms and emergency telephones.

PART 2 - PRODUCTS

- 2.1 Materials
- .1 Embankment materials to approval of Departmental Representative.
 - .2 Material used for embankment not to contain organic matter, frozen lumps, weeds, sod, roots, logs, stumps, boulders larger than 200 mm or any other unsuitable material.
 - .3 Excavated Rock material: as specified in Sections 31 05 17 and 31 23 10.
 - .4 Rip Rap: to Section 31 37 00.
 - .5 Geotextile: to Section 31 23 10.
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PART 3 - EXECUTION

- 3.1 Compaction Equipment .1 Compaction equipment must be capable of obtaining required densities in materials on project.
- 3.2 Water Distributors 1 Apply water with equipment capable of uniform distribution.
- 3.3 Embankments .1 Remove topsoil and rootmat.
- .2 Remove existing pavement in accordance with Section 32 01 16.
- .3 Do not place material which is frozen nor place material on frozen surfaces.
- .4 Maintain a crowned surface during construction to ensure ready runoff of surface water. Do not place material in free standing water.
- 3.4 Excavations .1 Remove topsoil and rootmat as specified in Section 31 11 00.
- .2 Excavate fill or bedrock to subgrade level.
- 3.5 Subgrade Compaction .1 After grading has been completed, scarify and mix subgrade surface to required depth of subgrade compaction.
- .2 Remove unsuitable materials found during work. Replace with material approved by Departmental Representative
- .3 Bring moisture content of soil to level required to achieve specified compaction. Add water or aerate as required.
- 3.6 Finishing and Tolerances .1 Shape and compact surfaces to within 30 mm of design elevations but not uniformly high or low.
- .2 Do scarifying, grading, compacting or other methods of work as necessary to provide thoroughly compacted roadbed shaped to grades and cross
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sections as indicated or as directed by
Departmental Representative.

- .3 Finish edges and slopes of common material to neat condition, true to line and grade.
 - .1 Remove isolated boulders exposed in cut slopes and fill resulting cavities.
 - .2 Hand finish slopes that cannot be finished satisfactorily by machine.

- 3.7 Maintenance .1 Maintain finished surfaces in condition conforming to this section until acceptance.