

PART 1 - GENERAL

- 1.1 DESCRIPTION .1 This Section specifies requirements for:
.1 General site grading and maintenance of designated areas and Temporary Staging Areas.
.2 The Upgrading and Maintenance of site access routes.
.3 Restoration of worked areas, waste debris areas and depressions created by the removal of debris.
- 1.2 DEFINITION .1 Re-shaping: The leveling and grading of designated areas to blend in with the natural terrain and provide positive drainage. Reshaping does not require the supply and placement of additional materials but does entail spreading and compaction of the surplus materials.
.2 Re-grading: The leveling and grading of designated areas and which includes the supply and placement of additional fill to blend in with the natural terrain and provide positive drainage.
- 1.3 SITE CONDITIONS .1 Ensure that all work under this section meet the terms and references of applicable operations-use permits for the site.
.2 Suspend operations whenever climatic conditions are unsatisfactory for grading or re-shaping to conform to this Specification.
.3 Only operate equipment in work areas where materials are sufficiently dry to prevent excessive rutting.
.4 Areas to be graded or shaped are to be free from debris and excessive snow, ice or standing water.
- 1.4 PROTECTION .1 Protect unanticipated archaeological resources encountered during construction, suspend all activities in that area and notify Departmental Representative immediately.
.2 Environmental protection measures are to be in accordance with the requirements specified in Section 01 35 43 - Environmental Protection. Follow the approved Erosion, Sediment and Drainage Control Plan submitted in accordance with Section 01 35 43 - Environmental Protection.
.3 Prevent damage to the garage building and the utilidor (underground services). Immediately repair any damage, at no cost to Departmental Representative

PART 2 PRODUCTS

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- 2.1 MATERIALS .1 Backfill requires the approval of Departmental Representative.
- PART 3 EXECUTION
- 3.1 GENERAL SITE GRADING AND MAINTENANCE .1 Maintain natural drainage patterns and keep areas free of standing water.
- 3.2 UPGRADING AND MAINTENANCE OF ACCESS ROUTES .1 Upgrade and maintain access routes to facilitate work.
.2 Ensure drainage of access routes and adjacent lands to provide surface drainage. Where necessary, cut swales to channel surface drainage in such a manner as to minimize surface erosion.
- 3.3 SITE RESTORATION OF WORKED AREAS .1 Re-shape and re-grade work areas and depressions created by the removal of debris, and relocation of debris.
.2 Ensure drainage of restored areas to maintain natural drainage patterns and keep areas free of standing water.
- 3.4 TEMPORARY STORAGE AREA .1 Develop a Temporary Storage Area for the storage of containerized hazardous waste materials as required.
.2 Prepare the Temporary Storage Area to comply with the AHJ and approved by Departmental Representative.
.1 Provide easy access to the off-site transport equipment. For the purposes of this contract a 15 m by 15 m area is to be assumed.
.2 Allow the equipment and packaging containers to be level and distribute the weight of the containers evenly to the supporting surface.
.3 The area is to be free of standing water.
.4 Surface water run-on to the area must be minimized. The area must not be subject to flooding, excessive snow drifting, and/or seasonal saturation.
.5 Sufficiently compact the area so as to prevent the containers from settling into the soil.
.6 Locate at least 30 m from any body of water.
.7 More than 30 metres away from flammable materials.
.8 Set timbers or another form of base to ensure that containers used to package non-hazardous and hazardous materials going off-site do not freeze to the ground prior to demobilization from site.
.3 Within the Temporary Storage Areas, segregate the various types of containerized materials as

- described in Section 02 61 33 - Hazardous Waste Material.
- .4 Provide signage for Temporary Storage Area in accordance with Section 02 61 33 - Hazardous Waste Material.
 - .5 Erect a barricade to demarcate the limits of the Temporary Storage Area.

3.5 MAINTENACE .1 Maintain finished surfaces in a condition in accordance with this Section until demobilization.

END OF SECTION

- 1.6 EXISTING CONDITIONS
- .1 Examine soil report available at an attachment to this document.
 - .2 Buried services:
 - .1 Before commencing work establish location of buried services on and adjacent to site.
 - .2 Arrange with appropriate authority for relocation of buried services that interfere with execution of work: pay costs of capping services.
 - .3 Remove obsolete buried services at the property demarcation point and within 2 m of foundations: cap cut-offs.
 - .4 Size, depth and location of existing utilities and structures as indicated are for guidance only. Completeness and accuracy are not guaranteed.
 - .5 Prior to beginning excavation Work, notify Departmental Representative of established location and state of use of buried utilities and structures. Departmental Representative to clearly mark such locations to prevent disturbance during Work.
 - .6 Confirm locations of buried utilities by careful test excavations.
 - .7 Maintain and protect from damage, water, sewer, electric, telephone and other utilities and structures encountered.
 - .8 Where utility lines or structures exist in area of excavation, obtain direction of Departmental Representative before removing. .9 Record location of maintained, re-routed and abandoned underground lines.
 - .10 Confirm locations of recent excavations adjacent to area of excavation.
 - .3 Existing buildings and surface features:
 - .1 Conduct, with Departmental Representative condition survey of existing buildings, trees and other plants, lawns, service poles, wires, pavement, survey bench marks and monuments which may be affected by Work.

PART 2 - PRODUCTS

- 2.1 MATERIALS
- .1 Fill: Locally available borrow material selected from excavation, approved by Departmental Representative for use intended, unfrozen and free from rocks larger than seventy-five (75) mm, cinders, ashes, sods, refuse or other deleterious materials.
 - .2 All borrowing for materials must follow the conditions of the quarry permit.

