

## **SECTION 31 23 22 COMMON EXCAVATION**

### **PART 1 GENERAL**

#### **1.1 RELATED SECTIONS**

- .1 Section 01 35 29.06 – Health and Safety Requirements.

#### **1.2 DEFINITIONS**

- .1 Common Excavation consists of excavation, hauling, and disposal of excavated materials, and pre-existing loose rock and soil material from roadway ditch along the north side of Red Rock Parkway between approximate Station 4+000 to 4+500, and/or as directed by the Departmental Representative. Common Excavation may include rock fragments up to 0.5 m<sup>3</sup> in volume as well as weak or fractured rock that can be removed with moderate effort with wheeled 15-tonne weight class excavator.
- .2 Common Excavation materials also includes timber, brush, and organic materials, but shall be separated from inorganic material where practical.

#### **1.3 MEASUREMENT PROCEDURES**

- .1 Common Excavation will be measured to the nearest cubic metre as the loose (bulk) volume of material excavated, loaded, and hauled to the disposal site(s) as measured in one stockpile in the designated location as per Section 01 11 00 – Summary of Work. The tendered unit price shall be full compensation for supplying all material, labour and equipment to execute the work as specified.
  - .a Payment for Common Excavation will be made at the Contract Unit Price per cubic metre of material hauled to the disposal site as measured as per Clause 1.3.3 below.
  - .b Final payment will be based on final survey.
- .2 Where practical, at the discretion of the Departmental Representative, large/bulk organic material should be segregated from inorganic materials at source. Or segregated at the Disposal site as directed by the Departmental Representative.
- .3 The Departmental Representative will measure the volume of each haul truck based on a survey of the pile. Load counts will not be used for payment measurement purposes.
- .4 At the start of the work the Contractor and Departmental Representative will inspect the disposal site. At the end of the work, final payment, and an adjustment to the interim payments for common excavation, will be made based on a survey or measured volume of the final graded spoil stockpile at the designated disposal site(s).
- .6 Over excavation beyond the limits indicated or as directed by the Departmental Representative will not be measured for payment.
- .7 The grading and shaping of stockpiles, clean up, and stockpile maintenance, the grading of excavation areas, and all costs related to use of the disposal site are considered incidental to Common Excavation.

- .8 Excavation, removal, stockpiling, clearance of snow or other frozen materials are not considered to be measurable items.
- .9 Any costs relating to Restricted Activity Permits is considered incidental to the Contract and shall not be measured for payment.

**PART 2 PRODUCTS**

**2.1 NOT USED**

- .1 Not Used.

**PART 3 EXECUTION**

**3.1 DISPOSAL SITES**

- .1 The Contractor shall be responsible for sourcing, permitting (if required) a dump site, or sites, to dispose of material generated at the worksite. Provided that there is space available within the park pits for reusable material, the material may be stockpiled in one of the Park's pits, at the discretion of the Departmental Representative.

**3.2 SUBMITTALS**

- .1 The Contractor shall provide the Departmental Representative with a Common Excavation Disposal Plan: At least two (2) weeks prior to the start of Common Excavation, the Contractor shall submit details of its proposed disposal site to the Departmental Representative for review. The minimum information required in the Common Excavation Disposal Plan includes:
  - .a Legal description and address of the disposal site.
  - .b Name, address, and phone number of the registered Owner of the disposal site.
  - .c Letter signed by the registered Owner of the disposal site authorizing the Contractor to use the site for disposal of Common Excavation materials, and granting the Departmental Representative access to the site for inspection and measurement purposes.
  - .d This will require additional information and a unique Restricted Activity Permit.

**3.3 REQUIREMENTS**

- .1 Excavation shall be carried out with a wheeled excavator of minimum 15 tonne weight class such as Caterpillar Model 214 or equivalent, or an equivalent tracked excavator equipped with Street Pads (Contrax Roadliner or approved equal). Tracked equipment that might damage the asphalt surface are not permitted. Use of a front-end loader for excavation will only be permitted where, in the opinion of the Departmental Representative, a loader can adequately complete the required excavation and properly clean and shape the ditches.
- .2 The disposal site must be accessible to the Departmental Representative during working hours to facilitate random measurement of hauled loads.
- .3 The haul trucks used must be road legal.

**3.4 EXCAVATION**

- .1 Common Excavation shall be carried out within two (2) weeks of completing gaurdrail work unless otherwise authorized by the Departmental Representative.
- .2 Common Excavation areas shall be cleaned and restored to a visually pleasing quality, which includes having final slopes and grades as directed by the Departmental Representative.
- .3 Excavated materials hauled to the Contractors disposal site shall be leveled and graded for survey requirements.

**END OF  
SECTION**