

**PART 1 - GENERAL**

- 1.1 RELATED SECTIONS .1 Section 320191 – Tree and Shrub Preservation
- 1.2 BASIS OF PAYMENT .1 Measurement Procedures:  
1 Removal and grubbing of trees shall include all labour, materials and equipment to do the work. The unit price bid will be full compensation for the work.
- 1.3 DEFINITION .1 Clearing isolated trees consists of cutting off to not more than specified height above ground of designated trees, and disposing of felled trees and debris.  
.2 Grubbing consists of excavation and disposal of stumps and roots boulders and rock fragments of specified size to not less than a specified depth below existing ground surface.
- 1.4 STORAGE AND PROTECTION .1 Prevent damage to fencing, trees, landscaping, natural features, bench marks, existing buildings, existing pavement, utility lines, site which are to remain.  
.1 Repair any damaged items to approval of Departmental Representative.  
.2 Replace any trees designated to remain, if damaged, as directed by Departmental Representative.

**PART 2 – PRODUCTS**

NOT USED

**PART 3 – EXECUTION**

- 3.1 PREPARATION .1 Inspect site and verify with Departmental Representative, items designated to remain.  
.2 Locate and protect utility lines. Preserve in operating condition active utilities traversing site.  
.3 Notify utility authorities before starting clearing and grubbing.  
.4 Be aware of the nature of the proposed engineering and landscape architecture work.
- 3.2 ISOLATED TREES .1 Cut off isolated trees as by Departmental Representative at height of not more than 300 mm above ground surface.  
.2 Remove trees by sectioning tree. Strip tree (partial or total removal of branches close to trunk) as a means to cut trunk without causing damage. Ropes are essential for this procedure, involving vertical lift and horizontal toggle, with one or two ropes.  
.3 Grub out isolated tree stumps to a depth of 500 mm and diameter of 1000 mm. Cut roots with a saw prior to grubbing.

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| 3.3 | <u>GRUBBING</u>                 | .1 | Grubbing in areas where trees are intended to preserved, Contractor must preceded by a cutting of the roots with a concrete saw.    |
| 3.4 | <u>REMOVAL AND<br/>DISPOSAL</u> | .1 | Remove all grubbing and clearing material off-site.   |
|     |                                 | .2 | Evacuate clearing, grubbing waste material from work site and dispose of it in accordance with the applicable laws and regulations. |
| 3.5 | <u>FINISHED SURFACES</u>        | 1. | Leave ground surface in condition suitable to approval of Departmental Representative.  |

**\*\*\* END OF SECTION \*\*\***