

**PART 1 - GENERAL**

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| 1.1 | <u>RELATED SECTIONS</u>       | .1 | Section 320191 – Tree and Shrub Preservation   |
| 1.2 | <u>BASIS OF PAYMENT</u>       | .1 | Measurement Procedures:<br>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 | <u>DEFINITION</u>             | .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 | <u>STORAGE AND PROTECTION</u> | .1 | Prevent damage to fencing, trees, landscaping, natural features, bench marks, existing buildings, existing pavement, utility lines, site which are to remain.<br>.1 Repair any damaged items to approval of Departmental Representative.<br>.2 Replace any trees designated to remain, if damaged, as directed by Departmental Representative. |

**PART 2 – PRODUCTS**

NOT USED

**PART 3 – EXECUTION**

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| 3.1 | <u>PREPARATION</u>    | .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 | <u>ISOLATED TREES</u> | .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 \*\*\***