

**Construction Specification for
Clearing and Grubbing of Right-of-Way**

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TS 2.00.01 SCOPE

This specification covers the requirements for clearing, grubbing and tree removal, within the contract limits.

TS 2.00.02 REFERENCES

This specification refers to the following standards, specifications or publications:

City of Toronto Publication

Tree Protection Policy and Specifications for Construction Near Trees

Ontario Provincial Standard Specifications

OPSS 180 General Specification for the Management of Excess Materials

TS 2.00.03 DEFINITIONS

For the purpose of this specification, the following definitions apply:

Small Trees means any tree whose main trunk diameter is 150 mm or less, measured at a height of 1.4 m above the ground surface at the base of the tree. Clusters of trees shall have their trunks measured individually.

Large Trees means any tree whose main trunk diameter is greater than 150 mm, measured at a height of 1.4 m above the ground surface at the base of the tree.

TS 2.00.04 DESIGN AND SUBMISSION REQUIREMENTS

A qualified arborist shall be hired to remove any trees suspect of being infested with the Emerald Ash Borer. Contact Urban Forestry to see if a permit is required to remove trees that are terminally diseased or trees that are in poor health. The Contractor shall adhere to the City tree protection policy.

TS 2.00.05 MATERIALS – Not Used

TS 2.00.06 EQUIPMENT – Not Used

TS 2.00.07 CONSTRUCTION

TS 2.00.07.01 General

All work shall be carried out in a professional manner, with minimal disturbance to the surrounding area. Care shall be taken to protect all adjacent property and utilities from damage. All trees, shrubs, and other vegetation, not designated for removal shall be carefully protected at all times during construction.

All costs associated with repairing any damage caused during the course of construction and/or reinstating the surrounding area to its original state shall be borne by the Contractor.

Prior to any clearing, grubbing or removal work, the Contractor shall construct all sediment controls and temporary drainage facilities.

Open burning of any material is not permitted.

All material which is surplus or unsuitable shall be managed according to OPSS 180.

TS 2.00.07.02 Clearing and Grubbing

Clearing and grubbing shall consist of the removal of all brush, stumps, roots, hedges, fences, wooden curbs, embedded logs, guard rails, posts, retaining walls, flagstone walks, fallen timber, fallen branches, small trees and other such items not covered by removal items in the contract, lying within the construction limits, and the disposal of all such material off the site, as shown on the Contract Drawings.

The work shall also include the complete removal of all traffic signs and posts within the limits of construction and the return of all signs and posts to a site designated by the Contract Administrator.

All existing fences of which a portion has been removed shall be terminated in a manner acceptable to the Contract Administrator.

During freezing, stormy or inclement weather, no work shall be done except that which is incidental

TS 2.00.07.03 Large Tree Removal

Only trees clearly marked by the City shall be removed.

Tree removal shall consist of the cutting down of large trees within the construction limits, grubbing the roots and disposal off the site

Where trees cannot be felled without danger to traffic, property or to other vegetation, they shall be cut in sections from the top of the tree down.

All wood and roots shall be disposed of, off the site.

TS 2.00.08 QUALITY ASSURANCE – Not Used

TS 2.00.09 MEASUREMENT FOR PAYMENT

TS 2.00.09.01 Clearing and Grubbing

Measurement of clearing and grubbing shall be by area in square metres (m²).

TS 2.00.09.02 Large Tree Removal

Measurement of large tree removal shall be for each tree removed. Trees shall be classified according to the diameter as determined by the average trunk diameter measured at 1.4 m above the original ground surface. Trees having multiple trunks at 1.4 m above the original ground surface shall have each trunk measured individually and each trunk treated for payment as a single tree.

TS 2.00.10 BASIS OF PAYMENT

TS 2.00.10.01 Clearing and Grubbing – Item

Payment at the Contract Price for the above tender item shall be full compensation for all labour, Equipment and Material to do the work. Payment shall include the removal and disposal of all existing undesired objects and vegetation, including small trees, that are not to be paid for under any other contract item.

TS 2.00.10.02 Large Tree Removal – Item

Payment at the Contract Price for the above tender item shall be full compensation for all labour, Equipment and Material to do the work. Payment shall include the cutting down, felling in sections, grubbing of root system, removal and disposal of all designated large trees within the construction limits.