



TREE PROTECTION REQUIREMENTS

Purpose: To ensure Retained Trees are maintained and protected for long-term health and safety throughout regular property management and maintenance activities (Non-Development) as well as building, subdivision, and development-related site Works (Development).

Tree Protection – Non-Development

1. Property maintenance activities should follow arboricultural best management practices and support natural and safe growth of trees.
2. The following maintenance activities are prohibited, unless a Tree Management Permit for the activity is approved by the Director:
 - a. removal of Permit Trees;
 - b. over-Pruning and Topping;
 - c. disturbance to tree roots within the Critical Root Zone; and,
 - d. ground disturbance within the Critical Root Zone and/or Drip Line of trees that results in the excavation or compaction of soil.

Tree Protection - Development

1. Tree Management Plans are required for properties where site Works are proposed and where Permit Trees are identified on-site or within 5m (16.4') of the property.
2. Tree Management Plans are to be prepared by a Project Arborist and are to clearly identify the Retained Trees (on and offsite) and include prescriptions for tree protection throughout the duration of the development work.
3. Tree Management Permits will not be issued in support of a development without the submission of a Tree Management Plan.
4. All development work is to follow the prescriptions provided in a Tree Management Plan. If amendments are needed, these are to be submitted to and accepted by the City.
5. Permit Trees that are identified for protection will require the following protection measures to be implemented (at a minimum):
 - a. Installation of Tree Protection Barriers around the Critical Root Zones;
 - b. Tree Protection Barriers shall be in place before site disturbance or work begins;



This guide is provided for convenience; is not exhaustive; and is not a bylaw. It is a guide prepared to assist you in understanding the requirements for creating a SSMUH development. For details and legal documents, you must consult relevant bylaws and provincial legislation.

Planning & Development Services

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Hours: 8:30 a.m. - 4:30 p.m.
(Monday to Friday)

- c. Project Arborist is required to inspect the Tree Protection Barrier installation and provide confirmation in writing to the City that the Tree Protection Barrier has been installed correctly and consistent with the Tree Management Plan prior to the start of site disturbance and work;
 - d. Tree Protection Barriers shall remain intact throughout the completion of all site Works, unless otherwise prescribed in the Tree Management Plan;
 - e. Tree protection signs are to be installed and maintained on Tree Protection Barriers on all sides fronting active work locations;
 - f. Tree Protection Barriers are to remain in place until all development work on site is completed and recommendation of removal is provided by the Project Arborist;
 - g. The area within a Tree Protection Barrier shall remain undisturbed for the duration of the work and will not be used for any purpose, including storage or disposal of materials or equipment, parking or machine operation; and
 - h. Any required excavation in and around a Critical Root Zone of a tree shall be identified in a Tree Management Plan and shall be completed by hand (eg. underground servicing, footings, etc.) under the supervision of the Project Arborist.
6. Grades within the Critical Root Zone shall be maintained as original.
 7. Re-grading outside the Critical Root Zone shall not negatively impact the drainage or the health of the Retained Trees.
 8. Trees within a Tree Protection Barrier shall be routinely cared for duration of development work.
 9. If Permit Trees are damaged within the Critical Root Zone (Tree Protection Barrier) and considered damaged beyond repair, the Owner will be required to obtain a Tree Management Permit for removal of the damaged tree and will be required to plant a Replacement Tree.

Tree Protection – Barrier Fence Requirements (see diagram)

Tree Protection Barriers are to be installed in accordance with the following specifications:

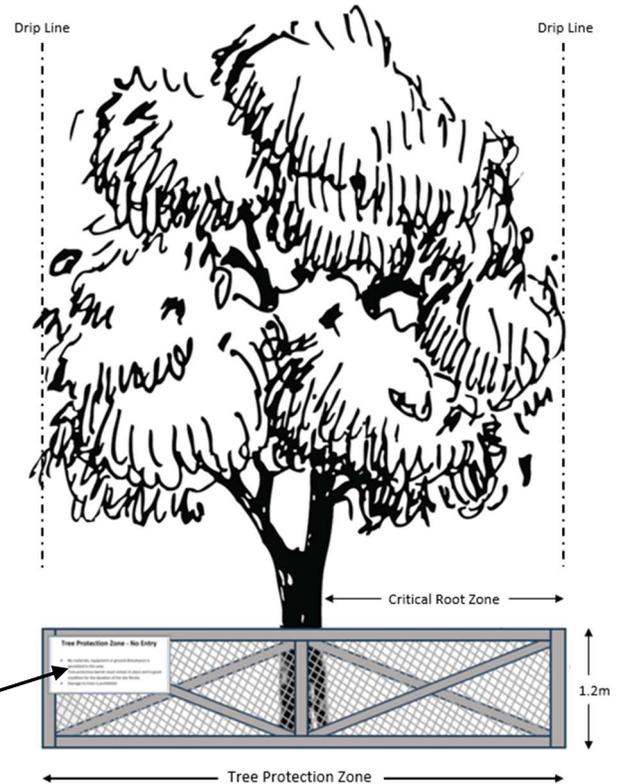
1. 1.2m (3.9') in height;
2. wooden 2"x 4" posts to be used for vertical posts, top and bottom rails and cross-bracing (in an "X"); round, untreated vertical posts may be used with a minimum diameter of 9cm (3.5");
3. spacing between vertical posts to be a minimum of 3.7m (12.1') on centre;
4. structure shall be sturdy with vertical posts driven firmly into the ground;
5. continuous plastic mesh high visibility screening (e.g. orange snow fencing);
6. located at a minimum distance from the tree based on the Critical Root Zone identified in the Tree Management Plan and at a minimum distance from the tree equal to 6 times the tree diameter at breast height (DBH);
7. Tree Protection Barriers must not impede visibility or access to sidewalks, property access points, fire hydrants, or cross walks.
8. Tree Protection Signs: Barriers must be posted with visible all-weather signs that provide the following information (see diagram):
 - a. Area within the Tree Protection Barrier is a 'Tree Protection Zone';
 - b. Encroachment within the barrier is prohibited;
 - c. Storage or disposal of materials, equipment or vehicles within the barrier is prohibited;
 - d. Excavation or other ground disturbance within the barrier is prohibited; and
 - e. Damage to retained trees or replacement trees is prohibited;

Any damage or impact to the boulevard as a result of the installation, maintenance and removal of Tree Protection Barriers are the responsibility of the Permit holder. Refundable securities that are held back due to boulevard damage will only be released once the damage to the boulevard has been remediated.

Tree Protection Barrier Placement

Trunk Diameter (DBH) (measured 1.4m above the ground)	Tree Protection Barrier (minimum distance installed from the tree trunk, confirm distance identified in Tree Management Plan)
20 cm	1.2m
30 cm	1.8 m
40 cm	2.4 m
50 cm	3.0 m
60 cm	3.6 m
70 cm	4.2 m
80 cm	4.8 m
90 cm	5.4 m
100 cm	6.0 m

Tree Protection Barrier Installation



Tree Protection Zone Sign details

Tree Protection Zone - No Entry

- No materials, equipment or ground disturbance is permitted in this area
- Tree protection barrier must remain in place and in good condition for the duration of the site Works.
- Damage to trees is prohibited

- Sign to be 11"x17" minimum size and waterproof

Tree Protection – Security Release

Tree protection securities will be released following completion of all site Works and the submission of a Letter of Completion – Tree Protection submitted by the Project Arborist.

For more information, please contact

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