

SPECIFICATIONS

A. General

The following Tree Preservation and Protection Measures will be undertaken to help eliminate and/or significantly reduce construction injury to all trees recommended for preservation. All temporary tree protection measures cited for retained trees must comply with the Town of Caledon Tree Protection Specifications and Details. Any variation from the standard tree protection measures must be approved in writing by the Town of Caledon.

B. Pre-Construction Phase

- Prior to construction, the trees to be preserved shall be protected with a Tree Protection Barrier. The barrier shall consist of 1.2m (4ft) high orange plastic snow fence wired to T-bars (see Town of Caledon Tree Preservation Fencing, STD 608).
- If applicable, attach a filler cloth 600mm high to the construction side of the hoarding to act as sediment control. Sediment control fencing shall meet or exceed OPSD-216 110, and be installed to the satisfaction of the Town of Caledon.
- All supports and bracing used to safely secure the barrier should be located outside the Tree Protection Zone (TPZ). All supports and bracing should minimize damage to roots.
- The TPZ fence is to be installed along the edge of the tree protection zones. This hoarding is to remain in place and remain in good condition throughout the entire duration of the project. Dismantling the tree protection barrier prior to approval by the Town of Caledon staff may constitute a contravention.
- The applicant shall notify the Town of Caledon and the consulting certified arborist or landscape architect to confirm that the tree protection barriers are in place.

- Where fill or excavated material must be temporarily located near a TPZ, a wooden barrier must be used to ensure no material enters the TPZ.
- Remove any garbage and foreign debris from the tree protection zones, daily.
- For the trees that were recommended for removal and/or crown pruning that are within the TPZ limits, these activities are to be performed by a qualified ISA certified arborist prior to the installation of the Tree Protection Zone barriers and prior to the commencement of any construction activities. Install the Tree Protection Zone barrier as per Tree Preservation Fencing, STD 608 at the limits shown on the tree inventory and protection plan after the tree removal, whichever is greater, and crown pruning activities are completed.
- A Tree Protection Zone sign must be mounted on all sides of the tree protection barrier for the duration of site construction. The sign should be a minimum of 40cm x 60cm and made of white gator board or equivalent material.
- The sign must be similar to the illustration shown below, or as directed by the Town of Caledon.

TREE PROTECTION ZONE

No work is permitted in the Tree Protection Zone.

This includes construction work, grading, storage of trash or materials. The tree protection barrier must not be removed without written authorization of the Town of Caledon.

- All contractors and site visitors should be informed of the tree preservation and protection measures at a pre-construction meeting.

specifications continued on next panel...

TOWN OF CALEDON

TREE PRESERVATION STANDARD NOTES - PART 1

SPECIFICATIONS

C. During Construction Phase

- All areas within the TPZ shall remain undisturbed for the duration of construction. There will be no grade changes, dumping, and storage of any materials, structures or equipment within these areas. The Tree Protection Barrier must not be removed without the written authorization of the Town of Caledon.
- Minor grading works will be permitted at the edge of the preservation zone as required to correct localized depressions, and blend to existing grades. This work is to be undertaken under the direct supervision of an ISA certified arborist.
- A certified ISA arborist will undertake proper root pruning in accordance with acceptable arboriculture practices when and if roots of retained trees are to be exposed, damaged, or severed by construction work. The exposed roots will be backfilled with appropriate material as soon as possible to prevent desiccation. Root pruning prior to excavation will help prevent necessary damage to tree roots. The use of low pressure hydrovac to expose roots is recommended, at no additional cost.
- The Town of Caledon must be notified for all work that impacts the TPZ for temporary removal of a section of hoarding to gain access for fine grading or other works. All works are to be supervised by the Town of Caledon.
- No cables, wire or ropes of any kind shall be wrapped around or installed in trees to be preserved.
- No contaminants will be dumped or flushed in the TPZ areas or where feeder roots of trees exist (generally below the TPZ areas).
- Irrigate tree protection zones during drought conditions, June to September to reduce drought stress.
- Inspect the site daily to ensure hoarding is in place and in good condition. Inspect trees to monitor condition.

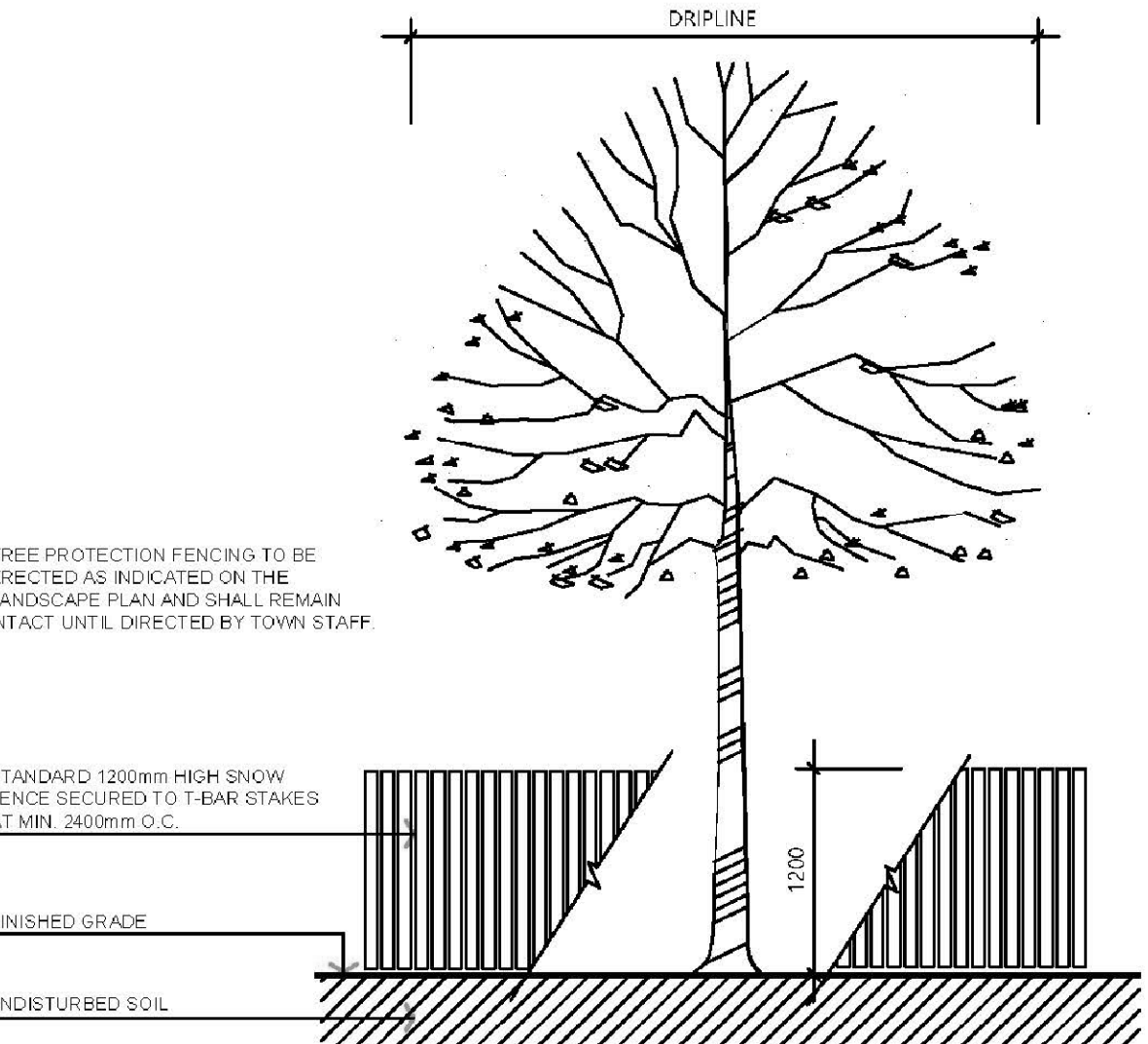
D. Post Construction Phase

- Following the completion of all site works including landscaping, and after review and approval by the Town of Caledon staff, the protective hoarding may be removed.
- After removal of the protective hoarding, the Tree Preservation Zones shall be inspected by the Town of Caledon staff. Any remaining dead, diseased, or hazardous limbs or trees are to be removed by an ISA certified arborist as directed by the consulting arborist or Town of Caledon staff.

end of specifications

TOWN OF CALEDON

TREE PRESERVATION STANDARD NOTES - PART 2



TOWN OF CALEDON

TREE PRESERVATION

01 TREE PROTECTION HOARDING AND STANDARD NOTES

EXISTING TREE INVENTORY

KEY	SPECIES	DBH (cm)	CROWN (m)	HEALTH	STRUCTURE	COMMENTS
006	Buckthorn	<10	10	Poor	Group	Crowded by adjacent tree
007	Birch	11	3	Fair	Leaning	
008	Birch	26	8	Fair	High-Crown	Crowded by adjacent tree, crowded branching, minor deadwood
009	Birch	22	6	Poor	Narrow	Crowded by adjacent tree, 1/30 dead, leaning, declining
010	Birch	26	6	Poor	Narrow	Crowded by adjacent tree, 50% dead, major deadwood
011	Birch	12	3	Poor	One-sided	Crowded by adjacent tree, broken branches
012	Birch	12	3	Poor	One-sided	Crowded by adjacent tree, deadback in crown, broken branches
013	Birch	12	3	Poor	Leaning	Crowded by adjacent tree, irregular form, broken branches
014	Buckthorn	<10	varies	Poor	Group	Row of buckthorn shrubs along lot line
015	Silver Maple	62	12	Poor	Multi-Stem	Broken leader, declining, major decay in trunk, epicormic growth, branching to grade
016	Buckthorn	<10	varies	Poor	Group	Row of buckthorn shrubs along lot line
017	Russian Olive	<7	3	Poor	Multi-Stem	10 stems, shrub form, branching to grade, cross branching
018	Buckthorn	<7	3	Poor	Multi-Stem	10 stems, cross branching, branching to grade, adjacent to fence
019	Manitoba Maple	14	4	Poor	Irregular	Adjacent to base, epicormic growth, branching to grade
020	Manitoba Maple	19	4	Poor	Leaning	Crowded by adjacent tree, epicormic growth, poor pruning
021	Manitoba Maple	15	4	Poor	Multi-Stem	2 stems, 9.13, crowded by adjacent tree, epicormic growth, union at base
022	Manitoba Maple	6.11, 15, 16, 20	6	Poor	Multi-Stem	6 stems, 11, 15, 16, 20, union at base, branching to grade, epicormic growth, poor pruning
023	Manitoba Maple	<10	varies	Poor	Group	7 stems, union at base, epicormic growth, branching to grade
024	Cottonwood	12	3	Fair	Symmetrical	Slight lean, epicormic growth, double leader
025	Manitoba Maple	61	10	Fair	Multi-Leader	2 stems (36, 36), crowded by adjacent tree, union at 1m ht., one-sided, broken branches
026	Manitoba Maple	38	10	Poor	Double Leader	Crowded by adjacent tree, one-sided, broken branches, epicormic growth
027	Manitoba Maple	41	10	Poor	Leaning	Crowded by adjacent tree, one-sided, broken branches, epicormic growth
028	Manitoba Maple	49	10	Poor	Multi-Leader	2 stems, 20, 32, crowded by adjacent tree, broken branches, poor pruning, union at 0.4m ht., major deadwood, including bark
029	Manitoba Maple	48	10	Poor	Multi-Leader	2 stems, 24, 31, crowded by adjacent tree, one-sided, epicormic growth, union at 0.6m ht., crowded branching
030	Manitoba Maple	24.41	10	Poor	Multi-Leader	Crowded by adjacent tree, one-sided, crowded branching, broken branches, major deadwood
031	Manitoba Maple	31	8	Fair	One-sided	Crowded by adjacent tree, double leader, buck from hedge crowding base
032	Scotts Pine	23	4	Poor	One-sided	Crowded by adjacent tree, narrow, broken branches, deadback in crown, slight lean
033	Scotts Pine	18	18	Poor	Irregular	Crowded by adjacent tree, epicormic growth, broken branches, broken leader
034	Scotts Pine	15.19	8	Fair	Multi-Stem	2 stems (18, 19) crowded by adjacent tree, union at base, deadback in lower base
035	Scotts Pine	16	4	Fair	Narrow	Crowded by adjacent tree, deadback in lower base, dead leader
036	Scotts Pine	35	8	Fair	Irregular	Crowded by adjacent tree, deadback in lower base, broken branches
037	Scotts Pine	18	8	Fair	One-sided	Crowded by adjacent tree, deadback in lower base, broken branches, high crown

EXISTING TREE INVENTORY

OWNERSHIP

PRESERVATION

MIN. TPZ

KEY

COMMENTS

OWNERSHIP

PRESERVATION

MIN. TPZ

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COMMENTS

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PRESERVATION

MIN. TPZ

KEY

COMMENTS

EXISTING TREE INVENTORY

KEY	SPECIES	DBH	
447	Scots Pine	26	
448	Buckthorn	08	5.6, 6
449	Scots Pine	27	
450	Scots Pine	41	
451	White Spruce	39	
452	Mauis Sp.	67	12, 13
453	White Cedar	25	
454	White Cedar	38	
455	White Cedar	39	(38)
456	Black Locust	25.33	18, 30
457	Black Locust	68	10, 30
458	Ash	49	11
459	Black Locust	11	8
460	Black Locust	10	4
461	Black Locust	68	4
462	Mauis Sp.	64	31.34, 38.38
463	Manitoba Maple	48	(24)
464	Black Locust	08	13, 15, 16
465	Black Locust	14.27	12
466	Manitoba Maple	18	(18)
467	Manitoba Maple	34.62	7.8, 14
468	Manitoba Maple	34.62	7.8, 14
469	Hawthorn	14.10	(78)
470	Hawthorn	5.12, 14.21	8.9, 9.9
471	Cottonwood	14	6, 7.2
472	Manitoba Maple	<10	10, 10
473	Mix Vegetation	Varies	(14)
474	Mix Vegetation	Varies	10, 10
475	Mix Vegetation	Varies	Varies

EXISTING TREE INVENTORY

OWNERSHIP

PRESERVATION

MIN. TPZ

KEY

COMMENTS

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