

NOTE:
Light encroachment within the mTPZ of Tree 19 will be required to accommodate the proposed covered patio. If any tree roots are exposed during construction they must be pruned by a Certified Arborist in accordance with good arboricultural practice to ensure that the root systems are not damaged.

LEGEND

- Surveyed Deciduous Tree Location
- Surveyed Coniferous Tree Location
- GPS Tree Location
- Tree Number Identified for Preservation (GREEN)
- Tree Number Identified for Removal (RED)
- Tree Preservation Zone Symbol
- Minimum Tree Preservation Zone - distance at which tree protection fence is to be installed
- Tree Protection Fence Location
- Property Boundary

Tree Preservation Recommendations
The following recommendations are made in attempts to reduce the impacts to trees identified for preservation:

- Tree protection fence must be installed prior to the commencement of construction to ensure that the trees identified for preservation are not damaged during construction.
- Tree protection fence must be installed at the mTPZ distance as outlined in this report and on Sheet 1.
- Once tree protection fence has been installed it must not be moved, relocated or altered in any way (unless repairing fallen fence etc.) for the duration of the construction period.
- No intrusion into an area identified on Sheet 1 as a tree preservation zone (TPZ) is allowed at anytime during construction unless noted otherwise in this report and on Sheet 1.
- No storage of machinery, construction debris, materials, waste or any other items is allowed within a TPZ.
- Any tree branches and roots that conflict with the proposed development must be pruned by a Certified Arborist in accordance with good arboricultural practice.
- Tree protection fencing should be inspected by a Certified Arborist prior to and during construction to ensure that the fencing remains intact and in good repair throughout the stages of development.

TREE PROTECTION PLAN NOTES
Prior to site disturbance the owner must confirm that no migratory birds are making use of the site for nesting. The owner must ensure that the works are in conformance with the Migratory Bird Convention Act and that no migratory bird nests will be impacted by the proposed work. It is the applicant's responsibility to discuss potential tree injury of trees on shared property lines with their neighbours. Should such trees be injured to the point of instability or death the applicant may be held responsible for removal and such issues would be dealt with in civil court or through negotiation.

TREE PROTECTION ZONE: No construction activity including grade changes, surface treatments or excavations of any kind is permitted within the area identified on the Tree Protection Plan or Site Plan as a Tree Protection Zone (TPZ). No root cutting is permitted. No storage of materials or fill is permitted within the TPZ. No movement or storage of vehicles or equipment is permitted within the TPZ. Grade changes are not permitted within established TPZ. The area(s) identified as a TPZ must remain undisturbed at all times.

TREE PROTECTION BARRIERS:
Tree protection barriers must be installed around trees to be protected using palge wire fence supported on metal T-bars. All supports and bracing to safely secure the barrier should be outside the TPZ. All such supports and bracing should minimize damage to roots outside the TPZ.

General Note:
Prior to the commencement of any site activity the tree protection barriers specified on this plan must be installed. Established tree protection zones must not be used as construction access, storage or staging areas. The tree protection barriers must remain in effective condition until all site activities including landscaping are complete. Permission from the City/Town must be provided prior to the removal of tree protection fence.

ARBORICULTURAL WORK:
Any roots or branches which extend beyond the TPZ indicated on this plan which require pruning, must be pruned by a Certified Arborist. All pruning of tree roots and branches must be in accordance with good arboricultural standards. Roots located outside the TPZ that have received approval from the City/Town to be pruned must first be exposed by hand digging or by using an air spade. This will allow a proper pruning cut and minimize tearing of the roots.

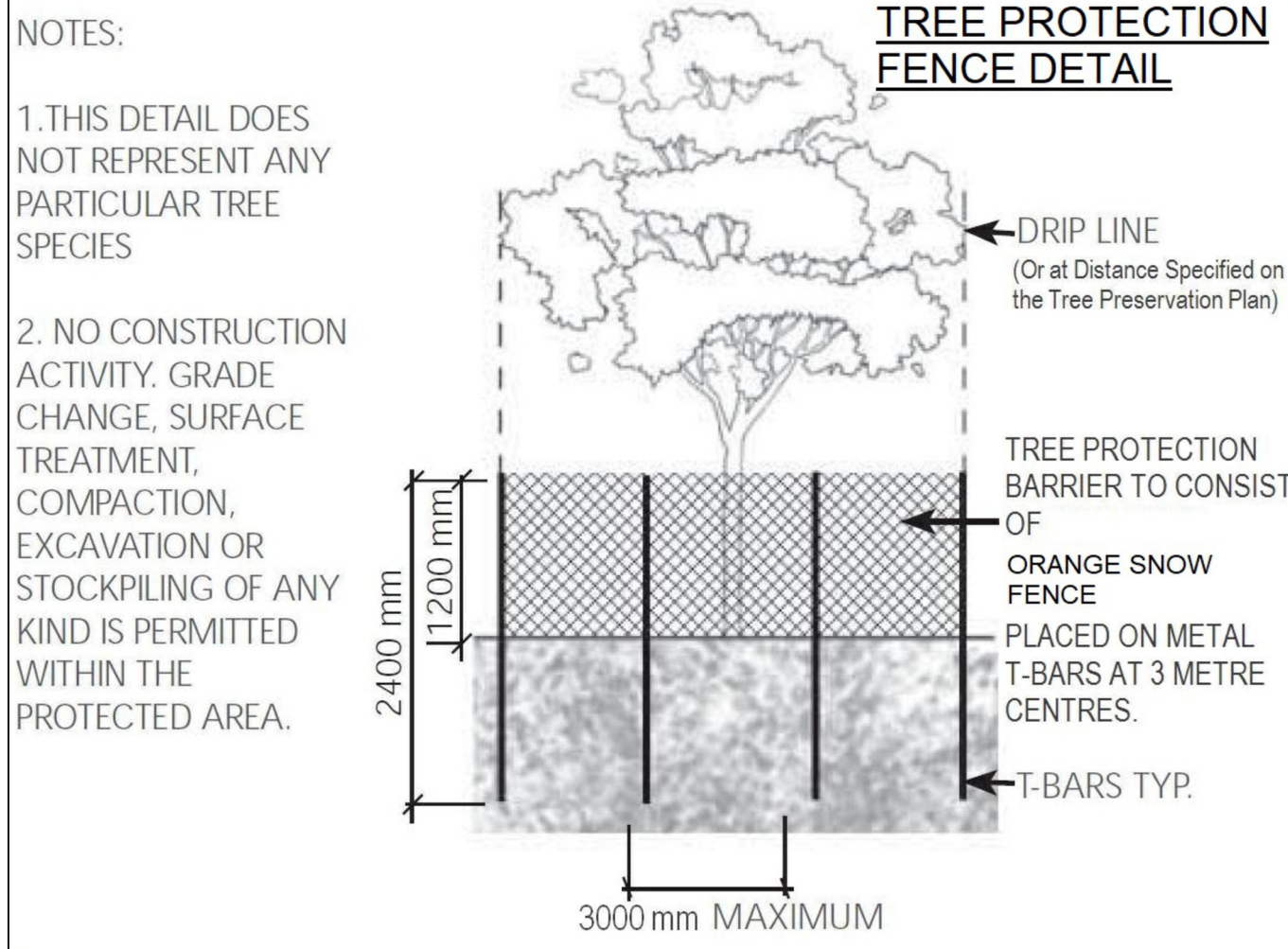


Table 2. Minimum tree preservation zone distances.

DBH (cm)	Min. Tree Preservation Zone Distance (m)*
< 10	1.8
11 - 40	2.4
41 - 50	3
51 - 60	3.6
61 - 70	4.2
71 - 80	4.8
81 - 90	5.4
91 - 100	6
101 - 110	6.6

*As measured from the outside of the tree trunk.

Table 1. Tree Inventory
Location: 1634 Four Mile Creek Rd, NOTL Date: 21 Oct. 2024 Surveyors: JJJ

Tree #	Common Name	Scientific Name	DBH	TI	CS	CV	DL	mTPZ	Location	Comments	Action
1	Manitoba Maple	<i>Acer negundo</i>	53	F	F	FG	6	3.6	Subject Property	Union at 2 m, lean northeast, growth deficit, weed species	Remove
2	White Mulberry	<i>Morus alba</i>	17	G	FG	G	3.5	2.4	Boundary	Understorey, weed species	Remove
3	Black Locust	<i>Robinia pseudoacacia</i>	19	G	G	G	3	2.4	Boundary		Remove
4	Black Walnut	<i>Juglans nigra</i>	47	G	G	G	7	3.0	Subject Property		Remove
5	Norway Spruce	<i>Picea abies</i>	33	G	G	G	4	2.4	Subject Property		Remove
6	European Larch	<i>Larix decidua</i>	32	F	FG	G	6	2.4	Subject Property	Spiralling stem wound with heart rot, lean northeast	Preserve
7	Blue Spruce	<i>Picea pungens</i>	25	G	G	G	2	2.4	Subject Property		Remove
8	White Mulberry	<i>Morus alba</i>	36	G	G	G	6	2.4	Subject Property	Snag - Tree 9 leaning and resting in crown, weed species	Remove
9	Black Locust	<i>Robinia pseudoacacia</i>	45	P	F	F	5	3.0	Boundary	Root plate failure, heavy lean east - snagged in the crown of Tree 8	Remove
10	White Mulberry	<i>Morus alba</i>	21, 15	F	F	F	3	2.4	Neighbouring	Union at ground, snag in crown, weed species	Remove
11	Black Cherry	<i>Prunus serotina</i>	29	G	G	G	5	2.4	Subject Property		Remove
12	Black Locust	<i>Robinia pseudoacacia</i>	35	PF	F	FG	8	2.4	Neighbouring	Heavy stem wound with dry rot and fruiting body	Remove
13	Horsechestnut	<i>Aesculus hippocastanum</i>	12.5	FG	G	G	3	2.4	Subject Property	Canker lesions, crook, understorey	Remove
14	Horsechestnut	<i>Aesculus hippocastanum</i>	69	FG	G	G	5	4.2	Boundary	Union at 3 m, light canker lesions	Remove
15	Black Walnut	<i>Juglans nigra</i>	30	G	G	G	5	2.4	Neighbouring		Preserve
16	Horsechestnut	<i>Aesculus hippocastanum</i>	27, 9	G	G	G	3.5	2.4	Subject Property	Union at ground	Remove
17	Manitoba Maple	<i>Acer negundo</i>	12.5	F	FF	FF	1	2.4	Neighbouring	Top of crown is dead, weed species	Preserve
18	Black Walnut	<i>Juglans nigra</i>	65	G	G	G	8	4.2	Neighbouring		Preserve
19	Manitoba Maple	<i>Acer negundo</i>	38, 11, 7, 8	P	PF	PF	3	3.0	Neighbouring	38 cm stem dead above 1 m, weed species	Preserve
20	Blue Spruce	<i>Picea pungens</i>	38	G	G	G	3	2.4	Subject Property		Remove
21	Norway Spruce	<i>Picea abies</i>	52	G	G	G	5	3.6	Subject Property		Remove
22	Red Maple	<i>Acer rubrum</i>	~15	G	G	G	3	2.4	Neighbouring		Preserve
23	White Spruce	<i>Picea glauca</i>	22	G	G	G	2	2.4	Subject Property	Broken branches	Remove
24	Honey Locust cultivar	<i>Gleditsia triacanthos var. 'inermis'</i>	~38	G	G	G	8	2.4	Neighbouring		Preserve
25	White Spruce	<i>Picea glauca</i>	~35	G	G	G	3.5	2.4	Neighbouring	Patio stones surrounding flare of tree	Preserve
26	Norway Spruce	<i>Picea abies</i>	~32	G	G	G	4	2.4	Neighbouring		Preserve
27	White Spruce	<i>Picea glauca</i>	~31	G	FF	FF	3.5	2.4	Neighbouring	30% crown dieback	Preserve
28	White Spruce	<i>Picea glauca</i>	~28	G	G	G	3	2.4	Neighbouring		Preserve
29	Blue Spruce	<i>Picea pungens</i>	~45	G	G	G	4	3.0	Neighbouring		Preserve
30	Norway Maple	<i>Acer platanoides</i>	~25	G	G	G	4	2.4	Neighbouring	Weed species	Preserve

Legend

DBH	Diameter at Breast Height (cm)
TI	Trunk Integrity G, F, P
CS	Crown Structure G, F, P
CV	Crown Vigor G, F, P
DL	Dripline m
mTPZ	Minimum Tree Preservation Zone m
G	Good
F	Fair
P	Poor
~	Estimate

No.	Description	Date	By
1	Issued for Submission	23 Jun. 2025	JJ

1634 Four Mile Creek Road
Niagara-on-the-Lake, ON

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Tree Preservation Plan

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Project # P529 Figure # 1

Date 23 June 2025

Scale 1:500 (@18x24)