

NOTE:
Encroachment within the mTPZ of Trees 17 and 18 will be required to accommodate foundation excavation for Unit 6. During foundation excavation within the mTPZ of Trees 17 and 18 a Certified Arborist must be on site to ensure that no tree roots are damaged. If any tree roots are exposed they must be pruned by a Certified Arborist in accordance with good arboricultural practice.

Table 1. Tree Inventory											
Location: 1317 York Rd, NOTL			Date: 29 Jan, 2025		Surveyors: JJJ						
Tree #	Common Name	Scientific Name	DBH	TI	CS	CV	DL	mTPZ	Location	Comments	Action
1	Umbrella Catalpa	<i>Catalpa spp.</i>	~35	G	F	F	2	2.4	Neighbouring - private	Pruning wounds	Preserve
2	English Walnut	<i>Juglans regia</i>	41	G	G	G	4	3.0	Town ROW		Preserve
3	Manitoba Maple	<i>Acer negundo</i>	10	F	F	F	3	2.4	Town ROW		Preserve
4	Manitoba Maple	<i>Acer negundo</i>	21, 23	FF	F	F	5	2.4	Town ROW	Union at ground, stem wounds - stems rubbing against each other at 1.8 m	Remove
5	Manitoba Maple	<i>Acer negundo</i>	18, 21, 16, 17	FF	F	F	5	2.4	Town ROW	Union at ground with heart rot	Remove
6	Black Walnut	<i>Juglans nigra</i>	21	G	G	G	3	2.4	Town ROW		Remove
7	Black Walnut	<i>Juglans nigra</i>	32	G	G	G	4	2.4	Boundary - private/public		Remove
8	Black Walnut	<i>Juglans nigra</i>	27	G	G	G	4	2.4	Boundary - private/public		Remove
9	Manitoba Maple	<i>Acer negundo</i>	17, 16	F	F	F	4	2.4	Town ROW	Union at 0.3 m	Remove
10	Manitoba Maple	<i>Acer negundo</i>	17, 12, 22, 26	FF	F	F	4	2.4	Town ROW	Union at ground with included bark	Remove
11	Black Walnut	<i>Juglans nigra</i>	26	G	G	G	4	2.4	Town ROW		Remove
12	Silver Maple	<i>Acer saccharinum</i>	112, 14, 13	G	FG	F	8	7.2	Town ROW	Unions at ground and 0.5 m, 10% crown dieback, broken branches, grinding root	Remove
13	Black Cherry	<i>Prunus serotina</i>	61	FG	FG	G	7	4.2	Subject Property	Union at 1.8 m diameter measured at 1m due to union	Remove
14	Apple species	<i>Malus spp.</i>	15, 11	G	FG	G	2	2.4	Subject Property	Epicormic branching	Remove
15	Silver Maple	<i>Acer saccharinum</i>	98	G	G	G	7	6.0	Boundary - private		Remove
16	Honey Locust cultivar	<i>Gleditsia triacanthos var. 'Inermis'</i>	45	FG	FG	G	4	3.0	Neighbouring - private	Pruning wound, diameter measured at 1m due to pruning wound, bowed south - understory	Remove
17	Norway Maple	<i>Acer platanoides</i>	~10	G	G	G	2	2.4	Neighbouring - private		Preserve
18	Honey Locust cultivar	<i>Gleditsia triacanthos var. 'Inermis'</i>	~26	G	FG	G	4	2.4	Neighbouring - private	Bowed south	Preserve
19	Black Locust	<i>Robinia pseudoacacia</i>	~27	FG	FG	G	3	2.4	Neighbouring - private	Union at 1.5 m	Preserve
20	Honey Locust cultivar	<i>Gleditsia triacanthos var. 'Inermis'</i>	14	G	G	G	3	2.4	Subject Property		Remove
21	Sweet Cherry	<i>Prunus avium</i>	17	F	F	F	3	2.4	Subject Property	Lean southeast, 10% crown dieback	Remove
22	Apple species	<i>Malus spp.</i>	19	G	G	G	3	2.4	Subject Property		Remove
23	Apple species	<i>Malus spp.</i>	23, 15	FG	F	F	3	2.4	Subject Property	Union at 1.2 m, canker lesion	Remove
24	Manitoba Maple	<i>Acer negundo</i>	~55	F	F	F	7	3.6	Neighbouring - private	Union at 2.5 m with broken branches and cavity, lean west	Remove
25	Sweet Cherry	<i>Prunus avium</i>	13	F	G	G	3	2.4	Neighbouring - private	Gummosis - fungal infection	Remove
26	White Spruce	<i>Picea glauca</i>	~25	G	G	G	3	2.4	Neighbouring - private		Preserve
27	White Pine	<i>Pinus strobus</i>	37	G	G	G	5	2.4	Subject Property		Remove

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	Drip Line (m)
mTPZ	Minimum Tree Preservation Zone (m)
G	Good
F	Fair
P	Poor
~	Estimate

LEGEND

- Surveyed Tree Location
- GPS Tree Location
- Tree Number Identified for Preservation (GREEN)
- Tree Number Identified for Removal (RED)
- Tree Preservation Zone Symbol
- Minimum Tree Protection Zone (mTPZ)
- Tree Protection Fence Location
- Property Boundary

Tree Protection Recommendations

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

- Tree protection fence must be installed at the mTPZ distance outlined on this drawing prior to the commencement of demolition, unless noted otherwise on this drawing.
- 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 this drawing as a tree preservation zone (TPZ) is allowed at anytime during construction unless noted otherwise on this drawing.
- 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 Paige 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.

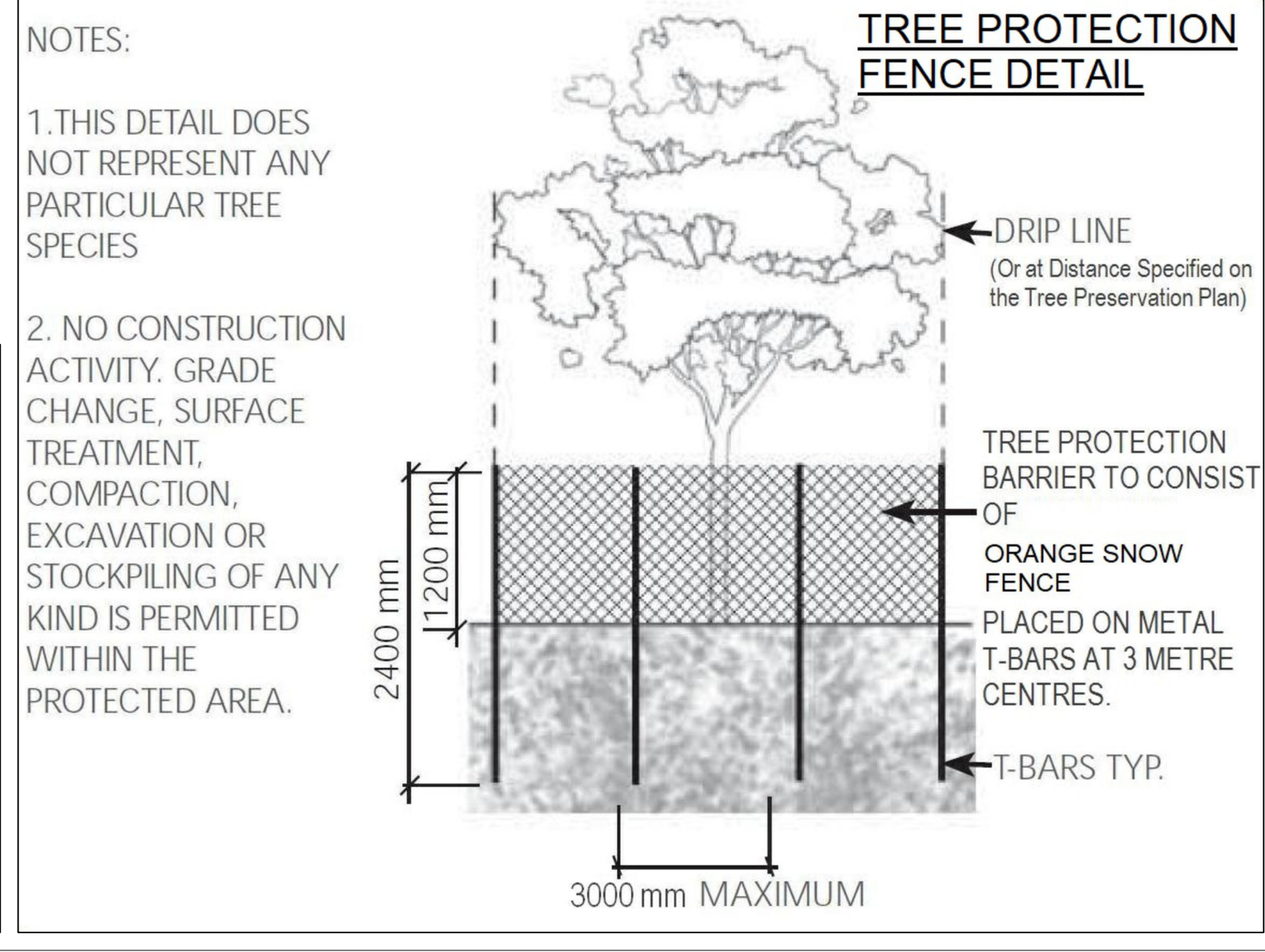


Table 2. Minimum tree preservation zone distances.

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.

1317 York Road
Niagara-on-the-Lake, ON

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1317 York Rd
Niagara-On-The-Lake, ON L0S 1P0

Tree Preservation Plan

JACKSON ARBORICULTURE INC.
CONSULTING AND DESIGN ANALYSIS

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Project # P547 Sheet # 1

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Scale 1:200 @ 24x36

