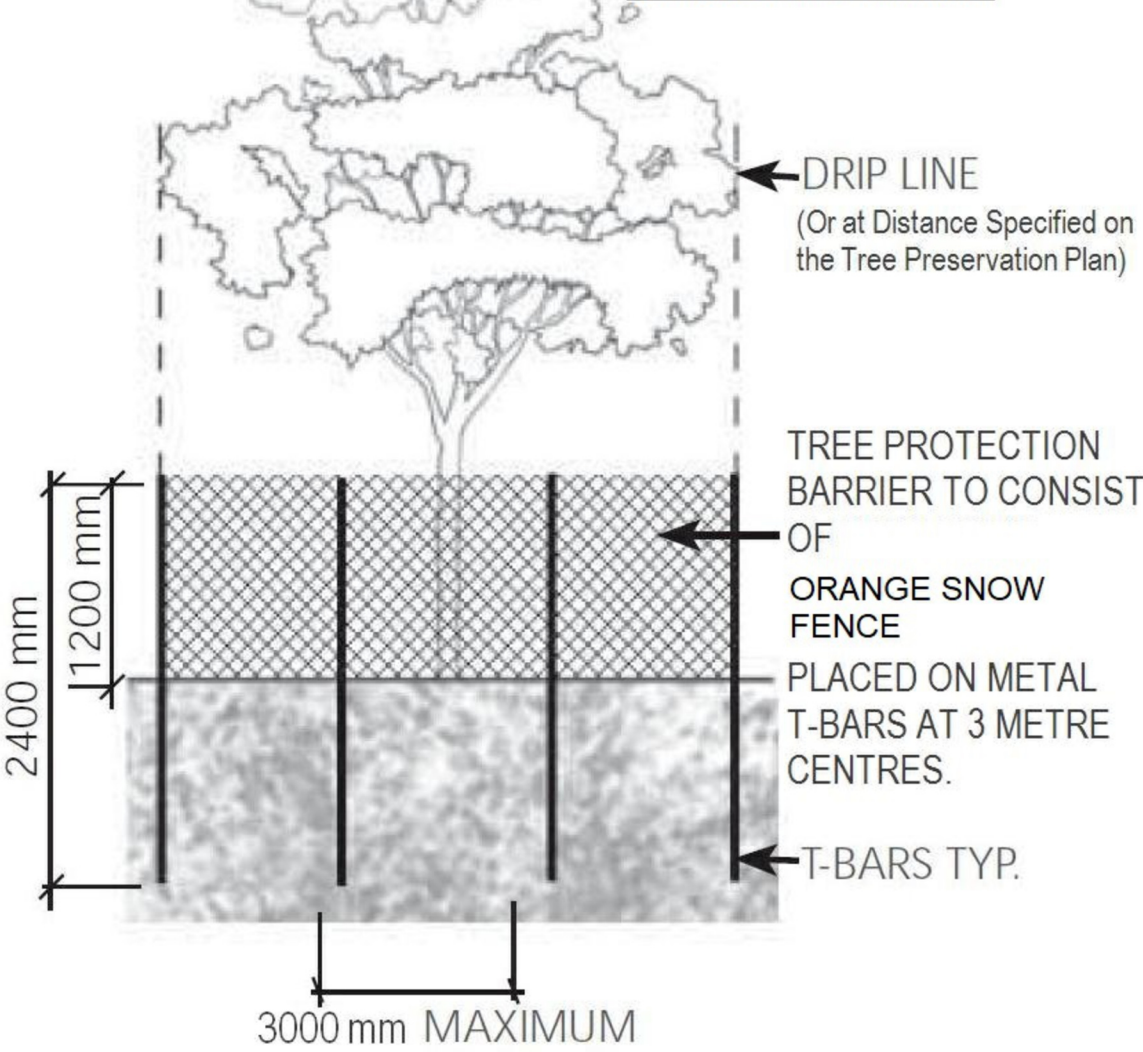


**NOTE:**  
Encroachment within the mTPZ of Tree 15 will be required to accommodate the proposed driveway and retaining wall. The limit of encroachment should be excavated using an air spade to gently expose any tree roots that conflict with construction. The air spade excavation must be supervised or completed by a Certified Arborist. If any tree roots are exposed by the air spade they must be pruned by a Certified Arborist in accordance with good arboricultural practice to ensure that the root system is not damaged by construction.

**NOTES:**

1. THIS DETAIL DOES NOT REPRESENT ANY PARTICULAR TREE SPECIES
2. NO CONSTRUCTION ACTIVITY, GRADE CHANGE, SURFACE TREATMENT, COMPACTION, EXCAVATION OR STOCKPILING OF ANY KIND IS PERMITTED WITHIN THE PROTECTED AREA.

**TREE PROTECTION FENCE DETAIL**



**Table 2. Minimum tree preservation zone distances.**

DBH (cm)	Min. Tree Preservation Zone Distance (m)*
	Radius
< 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.

**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 applicants' 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 1. Tree Inventory**  
Location: 2052 York Rd, NOTL Date: 24 April 2025 Surveyors: JJJ

Tree #	Common Name	Scientific Name	DBH	TI	CS	CV	DL	mTPZ	Location	Comments	Action
1	Japanese Flowering Elm	Syringa reticulata 'Horyo Silk'	~15	G	G	G	2	2.4	Regional Road Allowance		Preserve
2	Blue Spruce	Picea pungens	~41	G	FG	G	3	3.0	Neighbouring	Union in top of crown, asymmetrical crown - shading	Preserve
3	White Spruce	Picea glauca	31	G	F	FG	3	2.4	Boundary	Topped	Preserve
4	White Pine	Pinus strobus	36	G	FG	G	4	2.4	Boundary	Topped	Preserve
5	Norway Maple	Acer platanoides	62	G	G	G	8	4.2	Subject Property	Union at 2 m, weed species	Preserve
6	Sycamore Maple	Acer pseudoplatanus	57	G	G	G	10	3.6	Subject Property	Union at 2 m	Preserve
8	Sycamore Maple	Acer pseudoplatanus	71	G	G	G	10	4.8	Subject Property		Preserve
7	Eastern Cottonwood	Populus deltoides	22	FG	G	G	2	2.4	Subject Property	Union at 1.5 m, weed species	Preserve
9	Red Maple	Acer rubrum	23	G	F	F	3	2.4	Regional Road Allowance	Top cut (hydro)	Preserve
10	White Spruce	Picea glauca	10	G	FG	F	2	2.4	Regional Road Allowance	Understorey	Preserve
11	Blue Spruce	Picea pungens	28	G	F	F	3.5	2.4	Regional Road Allowance	Pruning wounds (hydro)	Preserve
12	Norway Spruce	Picea abies	45	FG	FG	G	4	3.0	Subject Property	Vertical scaffold limb	Remove
13	Norway Spruce	Picea abies	45	FG	FG	G	4	3.0	Subject Property	Vertical scaffold limb	Remove
14	Red Oak	Quercus rubra	26	G	PF	F	8	2.4	Regional Road Allowance	Pruning wounds (hydro), epicormic branching	Preserve
15	Copper Beech	Fagus sylvatica	72	G	G	G	11	4.8	Subject Property		Preserve
16	Eastern White Cedar	Thuja occidentalis	15, 6, 5	G	G	G	3	2.4	Subject Property	Union at ground	Remove
17	Eastern Hemlock	Tsuga canadensis	38	G	G	G	4	2.4	Regional Road Allowance		Remove
18	Cypress species	Cupressus spp.	22	G	G	G	2	2.4	Subject Property		Remove
19	Green Ash	Fraxinus pennsylvanica	43	P	P	P	4	3.0	Subject Property	50% crown dieback, peeling bark, epicormic branching	Remove
20	Norway Maple	Acer platanoides	65	G	G	G	9	4.2	Subject Property	Union at 1.8 m, weed species	Remove
21	Balsam Fir	Abies balsamea	28	G	G	G	4	2.4	Subject Property		Remove
22	Scots Pine	Pinus sylvestris	~25	G	G	G	3	2.4	Neighbouring		Preserve
23	Yew species	Taxus spp.	18	G	G	G	4	2.4	Subject Property		Preserve
24	Scots Pine	Pinus sylvestris	~25	FG	G	G	3	2.4	Neighbouring	Crook	Preserve
25	White Pine	Pinus strobus	12	G	PF	F	3	2.4	Subject Property	Top cut at 2 m	Preserve
26	White Pine	Pinus strobus	41	G	G	G	6	3.0	Subject Property		Preserve
27	White Pine	Pinus strobus	34	G	G	G	6	2.4	Subject Property		Preserve
28	White Pine	Pinus strobus	45	G	G	G	5	3.0	Subject Property		Remove
29	Balsam Fir	Abies balsamea	33	G	G	G	3	2.4	Subject Property		Remove
30	Eastern White Cedar	Thuja occidentalis	31	G	G	G	3	2.4	Subject Property		Preserve
31	Saucer Magnolia	Magnolia x soulangiana	~12	G	G	G	3	2.4	Subject Property		Preserve
32	Sycamore Maple	Acer pseudoplatanus	56	G	G	G	8	3.6	Subject Property		Preserve
33	Flowering Dogwood	Cornus florida	~16	G	PF	F	3	2.4	Subject Property		Preserve
34	Norway Maple	Acer platanoides	~41	G	G	G	6	3.0	Neighbouring	Weed species	Preserve
35	Norway Maple	Acer platanoides	~28	G	G	G	4	2.4	Neighbouring	Weed species	Preserve
38	Downy Redwood	Metasequoia glyptostrobos	~51	G	G	G	7	3.6	Neighbouring		Preserve
36	White Pine	Pinus strobus	~45	G	G	G	6	3.0	Neighbouring		Preserve
37	Norway Spruce	Picea abies	~38	G	G	G	5	2.4	Subject Property		Preserve
39	Katsura Tree	Cercidiphyllum japonicum	20, 27	FG	G	G	5	2.4	Subject Property	Union at 0.3 m w/ th included bark	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)
Con	Overall Condition (G, F, P)
DL	Drip Line (m)
mTPZ	Minimum Tree Preservation Zone (m)
G	Good
F	Fair
P	Poor
EAB	Emerald ash borer
~	Estimate

**LEGEND**

- GPS Tree Location
- 10 Tree Number Identified for Preservation (GREEN)
- 15 Tree Number Identified for Removal (Red)
- TPZ 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 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 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 Sheet 1 as a tree preservation zone (TPZ) is allowed at anytime during construction.
- 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.


No.	Description	Date	By
1	Issued for Submission	29 Jul. 2025	JJJ

Data Source: Niagara Planting Group

**2052 York Road**  
**Niagara-on-the-Lake, ON**

**Newcastle Communities**  
**1725 Third Street South**  
**St. Catharines, ON L2R 6P9**

**Tree Preservation Plan**



**JACKSON ARBORICULTURE INC.**  
CONSULTING AND DESIGN ANALYSIS

Project #  
**P564**

Date  
**29 July 2025**

Scale  
**1:200 (@ 24x36)**

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Brampton, ON L6R 6R6  
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Sheet #  
**1**