Table 1. Tree Inventory

Location: 116 Four Mile Creek Rd, NOTL Date: 24 July 2025 Surveyors: JJJ

Tree #	Common Name	Scientific Name	DBH	TI	CS	CV	DL	mTPZ	Location	Comments	Action
1	Blue Spruce	*Picea pungens*	~31	FG	FG	G	3	2.4	Neighbouring	Unions at 2.5 and 3.5 m	Preserve
2	Copper Beech	*Fagus sylvatica 'Purpurea'*	~55, 55, 41	F	FG	G	7	4.2	Neighbouring	Unions at 0.3 m	Preserve
3	Norway Maple	*Acer platanoides*	~25	G	G	G	4	2.4	Neighbouring	Weed species	Preserve
4	Copper Beech	*Fagus sylvatica 'Purpurea'*	~65, 65	FG	G	G	8	4.8	Neighbouring	Union at 1.2 m	Preserve
5	Sweet Cherry	*Prunus avium*	33, 33	FG	F	G	3	3.0	ROW	Union at 1 m, 20% crown dieback	Remove
6	Sweet Cherry	*Prunus avium*	22, 23, 23, 30, 22	F	F	F	3	3.0	Subject Property	Union at 1 m, 20% crown dieback	Remove
7	Sweet Cherry	*Prunus avium*	31, 33	FG	FG	F	3	3.0	Subject Property	Union at 1 m, 10% crown dieback	Remove
8	Sweet Cherry	*Prunus avium*	23, 22, 24	FG	G	FG	3	2.4	ROW	Unions at 0.5 and 1 m, 10% crown dieback, pruning wound	Remove
9	Silver Maple	*Acer saccharinum*	86	F	FG	G	8	5.4	ROW	Lean east, stemwounds at flare - likely lawn mower damage	Preserve
10	Silver Maple	*Acer saccharinum*	~55	FG	F	G	6	3.6	ROW	Union at 2 m, top cut - hydro	Preserve
11	Sweet Cherry	*Prunus avium*	~17, 17, 15, 18	FG	G	G	4	2.4	Neighbouring	Unions at 0.4 and 0.8 m	Preserve
12	Sweet Cherry	*Prunus avium*	~35, 25, 20	FG	G	G	4	3.0	Neighbouring	Union at 0.6 m	Preserve
13	Sweet Cherry	*Prunus avium*	~31, 25, 25	FG	G	G	4	3.0	Neighbouring	Union at 0.5 m, stems top cut at 1.7 m	Preserve
14	Sweet Cherry	*Prunus avium*	~14, 11	P	F	FG	3	2.4	Neighbouring	Stemwound with heart rot	Remove
15	Sweet Cherry	*Prunus avium*	23, 23	FG	F	F	3	2.4	Subject Property	Union at 0.7 m, 20% crown dieback	Remove
16	Sweet Cherry	*Prunus avium*	28	G	F	F	3	2.4	Subject Property	Union at 1.6 m, 20% crown dieback	Remove
17	Sweet Cherry	*Prunus avium*	25, 19	P	P	P	3	2.4	Subject Property		Remove
18	Sweet Cherry	*Prunus avium*	31, 24, 23	F	F	F	3	2.4	Subject Property		Remove
19	Sweet Cherry	*Prunus avium*	27, 26, 25	F	FG	FG	3	2.4	Subject Property		Remove
20	Sweet Cherry	*Prunus avium*	39	FG	G	G	4	3.0	Subject Property	Union at 1.6 m	Remove
21	Sweet Cherry	*Prunus avium*	31	F	FG	FG	3	2.4	Subject Property	Stemwound with heart rot and frass	Remove
22	Sweet Cherry	*Prunus avium*	25, 19, 19	F	FG	FG	5	2.4	Subject Property	Union at 0.5 m, 10% crown dieback	Remove
23	Sweet Cherry	*Prunus avium*	23, 21	F	PF	PF	5	2.4	Subject Property	Union at 0.5 m with pruning wound and heart rot, broken branches, 30% crown dieback	Remove
24	Sweet Cherry	*Prunus avium*	32, 28, 31	P	F	FG	5	3.0	Subject Property	Union at 0.5 m with cavity and heart rot, pruning wounds	Remove
25	Sweet Cherry	*Prunus avium*	42	F	PF	PF	3	3.0	Subject Property	Lean south, cavity with heart rot, 30% crown dieback	Remove
26	Sweet Cherry	*Prunus avium*	36, 28, 28	FG	FG	G	4	3.0	Subject Property	Union at 0.5 m, broken branches	Remove
27	Sweet Cherry	*Prunus avium*	31, 34	F	FG	FG	4	3.0	Subject Property	Union at 0.6 m, 10% crown dieback	Remove
28	Sweet Cherry	*Prunus avium*	28, 20, 16	F	FG	G	4	2.4	Subject Property	Union at 1 m, stemwound	Remove
29	Sweet Cherry	*Prunus avium*	23, 21, 25	F	FG	FG	4	2.4	Subject Property	Union at 1 m, stemwound, 10% crown dieback	Remove
30	Sweet Cherry	*Prunus avium*	21, 23, 30	F	FG	FG	4	2.4	Subject Property	Unions at 0.7 and 1 m, 10% crown dieback	Remove
31	Sweet Cherry	*Prunus avium*	22, 21	F	F	F	4	2.4	Subject Property	Union at 1 m, pruning wounds, 20% crown dieback	Remove
32	Sweet Cherry	*Prunus avium*	25, 28	FG	FG	FG	4	3.0	Subject Property	Union at 0.5 m, 10% crown dieback, pruning wounds	Remove
33	Sweet Cherry	*Prunus avium*	~31	PF	PF	F	4	2.4	Subject Property	Main stem failed and lying in ground	Remove
34	Sweet Cherry	*Prunus avium*	25, 36, 28	PF	F	FG	4	2.4	Subject Property	Union at 0.3 m with cavity and heart rot	Remove
35	Sweet Cherry	*Prunus avium*	32, 18, 16	F	FG	FG	3	3.0	Subject Property	Union at 0.5 m, stemwounds, pruning wounds	Remove
36	Sweet Cherry	*Prunus avium*	29, 23, 24	FG	F	F	4	2.4	Subject Property	Union at 1 m, 20% crown dieback	Remove
37	Sweet Cherry	*Prunus avium*	28, 21 , 17	PF	F	F	5	2.4	Subject Property	Union at 1 m with cavity and heart rot, 20% crown dieback	Remove
38	Sweet Cherry	*Prunus avium*	42, 30, 27	F	FG	FG	4	3.6	Subject Property	Unions at 0.5 and 1.2 m, stemwounds	Remove
39	Sweet Cherry	*Prunus avium*	29, 25	P	P	P	3	2.4	Subject Property	Union at ground with cavity and heart rot, 50% crown dieback	Remove
40	Sweet Cherry	*Prunus avium*	22, 14	F	P	P	3	2.4	Subject Property	Union at 0.7 m, 40% crown dieback	Remove
41	Sweet Cherry	*Prunus avium*	30	P	F	FG	3	2.4	Subject Property	Stemwound with heart rot	Remove
42	Sweet Cherry	*Prunus avium*	16, 20, 22	PF	F	FG	4	2.4	Subject Property	Union at 1.4 m with stemwound and heart rot and pruning wounds	Remove
43	Sweet Cherry	*Prunus avium*	32, 23, 28	F	F	F	5	3.0	Subject Property	Union at 0.5 m, broken branches, 20% crown dieback	Remove
44	Sweet Cherry	*Prunus avium*	30	P	PF	F	4	2.4	Subject Property	Union at ground with stump and cavity with heart rot	Remove
45	Sweet Cherry	*Prunus avium*	21, 18, 19	F	FG	FG	4	2.4	Subject Property	Union at 0.8 m, 10% crown dieback	Remove
46	Sweet Cherry	*Prunus avium*	30, 24	F	PF	PF	4	3.0	Subject Property	Union at 1 m, stemwound at flare with heart rot, 30% crown dieback	Remove
47	Sweet Cherry	*Prunus avium*	20, 16, 23	F	FG	G	4	2.4	Subject Property	Union at 1 m	Remove
48	Sweet Cherry	*Prunus avium*	30, 28, 28	F	FG	FG	4	3.0	Subject Property	Union at 1 m with pruning wounds, 10% crown dieback	Remove
49	Sweet Cherry	*Prunus avium*	31, 33	PF	F	F	4	3.0	Subject Property	Union at ground with cavity and heart rot, 30% crown dieback	Remove
50	Sweet Cherry	*Prunus avium*	26, 24,	FG	FG	FG	4	2.4	Subject Property	Union at 0.9 m	Remove
51	Sweet Cherry	*Prunus avium*	30, 20	F	P	P	3	3.0	Subject Property	Unions at 0.8 and 1.3 m, 40% crown dieback	Remove
52	Sweet Cherry	*Prunus avium*	17, 20, 22	PF	PF	P	3	2.4	Subject Property	Union at 0.8 m with cavity and heart rot, 30% crown dieback	Remove
53	Sweet Cherry	*Prunus avium*	31, 23, 27	F	FG	G	4	3.0	Subject Property	Unions at 0.7 and 1.2 m, pruning wounds	Remove
54	Sweet Cherry	*Prunus avium*	21, 24, 15, 21, 22, 32	F	F	FG	4	3.0	Subject Property	Union at ground with crack, 10% crown dieback	Remove
55	Sweet Cherry	*Prunus avium*	22, 21	FG	F	F	3	2.4	Subject Property	0.6 m, 20% crown dieback	Remove
56	Blue Spruce	*Picea pungens*	~14	G	G	G	2	2.4	Neighbouring		Preserve
57	Blue Spruce	*Picea pungens*	~20	G	G	G	3	2.4	Neighbouring		Preserve
58	Sweet Cherry	*Prunus avium*	29, 24, 26, 27	F	P	P	4	3.0	Subject Property		Remove
59	Norway Maple	*Acer platanoides*	~18	G	G	G	3	2.4	Neighbouring	Weed species	Preserve
60	Norway Maple	*Acer platanoides*	~13	G	G	G	2	2.4	Neighbouring	Weed species	Preserve
61	Norway Spruce	*Picea abies*	28	G	G	G	3.5	2.4	Subject Property		Remove
62	Norway Spruce	*Picea abies*	23	G	G	G	3.5	2.4	Subject Property		Remove
63	Norway Spruce	*Picea abies*	31	G	G	G	3.5	2.4	Subject Property		Remove
64	Norway Spruce	*Picea abies*	34	G	G	G	4	2.4	Subject Property		Remove
65	Norway Spruce	*Picea abies*	32	G	G	G	3.5	3.0	Subject Property		Remove
66	Norway Spruce	*Picea abies*	26	G	G	G	3.5	2.4	Subject Property		Remove
67	Norway Spruce	*Picea abies*	19	G	G	G	3.5	2.4	Subject Property		Remove
68	Norway Spruce	*Picea abies*	34	G	G	G	3.5	2.4	Subject Property		Remove
69	Tulip Tree	*Liriodendron tulipifera*	20	G	G	G	3	2.4	Subject Property		Remove
70	Norway Spruce	*Picea abies*	23	G	G	G	3	2.4	Subject Property		Remove
71	Norway Spruce	*Picea abies*	25	G	G	G	3	2.4	Subject Property		Remove
72	Red Oak	*Quercus rubra*	~20	G	G	G	3	2.4	Neighbouring		Preserve
73	Norway Spruce	*Picea abies*	~18	G	G	G	3	2.4	Subject Property		Remove
74	Norway Spruce	*Picea abies*	20	G	G	G	3	2.4	Subject Property		Remove
75	Norway Spruce	*Picea abies*	30	G	G	G	3.5	2.4	Subject Property		Remove
76	Red Oak	*Quercus rubra*	~20	G	G	G	3	2.4	Neighbouring		Preserve
77	Blue Spruce	*Picea pungens*	~25	G	G	G	3	2.4	Neighbouring		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	
EAB	Emerald Ash Borer	
~	Estimate	

LEGEND

- Surveyed Deciduous Tree Location
- Surveyed Coniferous Tree Location
- Tree Number Identified for Preservation (GREEN)
- 10 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:

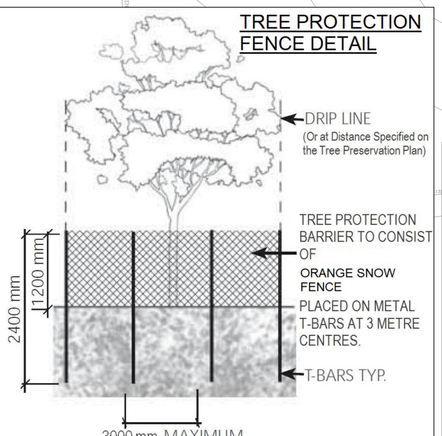
- Tree protection fence must be installed prior to the commencement of demolition to ensure that the trees identified for preservation are not damaged during construction.
- Tree protection fence must be installed at the mTPZ distance unless noted otherwise on this drawing.
- Once tree protection fence 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.

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



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 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.

No.	Description	Date	By
1	Issued for Submission	22 Aug, 2025	JJ

Data Source: Upper Canada Consultants.

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

Pinewood Homes (Niagara) Ltd.
2125 Fruitbelt Parkway
Niagara Falls, ON L2J 0A5

Tree Preservation Plan

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Project #	P584
Date	22 August 2025
Scale	1:300 (@ 24x36)
Sheet #	1