



**STANDARD 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 1. Tree Inventory

Location: Shayne Ave., Ft Erie Date: 24 March 2022 Surveyors: JJJ

Tree #	Common Name	Scientific Name	DBH	TI	CS	CV	DL	Location	Comments	Recom.
1	Black Walnut	Juglans nigra	30, 32	FG	G	G	6	Subject Property	Union at ground	Remove
2	Apple species	Malus sp.	12	F	FG	G	3	Subject Property	Bow ed south	Remove
3	Willow species	Salix sp.	53	G	G	G	5	Subject Property	Union at ground, light cavity at flare wth heart rot	Remove
4	Eastern Cottonwood	Populus deltoides	39, 65, 63	F	FG	G	10	Subject Property	Union at ground, light cavity at flare wth heart rot	Remove
5	Black Walnut	Juglans nigra	11	FG	G	G	2	Subject Property	Light crook	Remove
6	Silver Maple	Acer saccharinum	54	G	G	G	6	Subject Property	Union at 0.4 m, seam	Remove
7	Silver Maple	Acer saccharinum	21, 36, 11, 11	F	FG	G	7	Subject Property	Union at 0.4 m, seam	Remove
8	Silver Maple	Acer saccharinum	31, 20, 11, 10	F	FG	G	6	Subject Property	Union at 0.3 m	Remove
9	Silver Maple	Acer saccharinum	21, 37, 31, 13	F	FG	G	3	Subject Property	Unions at g and 0.5 m	Remove
10	Black Walnut	Juglans nigra	12	G	G	G	4	Subject Property	Understorey	Remove
11	Pussy Willow	Salix discolor	15, 18, 18, 15	F	FG	G	6	Subject Property	Unions at g and 0.8 m	Remove
12	Silver Maple	Acer saccharinum	70	FG	G	G	5	Subject Property	Union at 1.6 m	Remove
13	White Elm	Ulmus americana	18	G	G	G	3	Subject Property		Remove
14	White Elm	Ulmus americana	18	G	G	G	4	Subject Property		Remove
15	Silver Maple	Acer saccharinum	12	FG	G	G	4	Subject Property	Bow ed East	Remove
16	Silver Maple	Acer saccharinum	12	FG	FG	G	4	Subject Property	Bow ed east	Remove
17	Green Ash	Fraxinus pennsylvanica	16	P	P	P	3	Subject Property	50% crown dieback, EAB infestation	Remove
18	Green Ash	Fraxinus pennsylvanica	19	P	P	P	3	Subject Property	90% crown dieback, epicormic branching, EAB infestation	Remove
19	Black Walnut	Juglans nigra	-32	G	G	G	4	Neighbouring		Preserve
20	Black Walnut	Juglans nigra	10	G	G	G	2	Subject Property		Remove
21	Green Ash	Fraxinus pennsylvanica	12	P	P	P	3	Subject Property	90% crown dieback, epicormic branching, EAB infestation	Remove
22	Black Walnut	Juglans nigra	21	FG	G	G	4	Subject Property	Union at base of crown	Remove
23	Silver Maple	Acer saccharinum	44, 64, 23	F	FG	G	7	Boundary	Union at ground wth included bark	Remove
24	Sweet Cherry	Prunus avium	14	FG	FG	G	3	Subject Property	Bow ed west	Remove
25	Green Ash	Fraxinus pennsylvanica	15	P	P	P	3	Subject Property	80% crown dieback, EAB infestation	Remove
26	Black Walnut	Juglans nigra	19	FG	G	G	4	Subject Property	Union at base of crown	Remove
27	Green Ash	Fraxinus pennsylvanica	19	P	P	P	3	Subject Property	Poor form, 65% crown dieback, EAB infestation	Remove
28	Silver Maple	Acer saccharinum	-70	G	G	G	8	Neighbouring		Preserve
29	Silver Maple	Acer saccharinum	-55, 45, 45	FG	FG	G	7	Neighbouring	Union at 0.5 m	Preserve
30	Norway Maple	Acer platanoides	-20	G	G	G	3	Neighbouring		Preserve
31	Black Walnut	Juglans nigra	20	FG	G	G	4	Subject Property	Crook	Remove
32	Silver Maple	Acer saccharinum	14, 11, 28, 20	F	FG	G	6	Subject Property	Unions at ground and 1.3 m	Remove
33	White Elm	Ulmus americana	14	G	G	G	3	Subject Property		Remove
34	Silver Maple	Acer saccharinum	-81	FG	G	G	9	Neighbouring	Union at 2 m	Preserve
35	White Spruce	Picea glauca	17	G	F	F	3	Subject Property	Small live crown ratio, 20% crown dieback	Remove
36	Scots Pine	Pinus sylvestris	14	FG	FG	G	3	Subject Property	Bow ed south	Remove
37	White Spruce	Picea glauca	23	F	FG	G	4	Subject Property	Crook	Remove
38	White Spruce	Picea glauca	15	FG	FG	G	0	Subject Property	Union in crown	Remove
39	White Spruce	Picea glauca	21	G	G	G	4	Subject Property		Remove
40	White Spruce	Picea glauca	19	G	F	F	3	Subject Property	Understorey	Remove
41	White Spruce	Picea glauca	21	G	G	G	4	Subject Property		Remove
42	White Spruce	Picea glauca	32	FG	G	G	5	Subject Property	Lean east	Remove
43	Scots Pine	Pinus sylvestris	36	G	G	G	4	Subject Property		Remove
44	White Spruce	Picea glauca	16	G	G	G	3	Subject Property		Remove
45	White Spruce	Picea glauca	18	G	F	F	3	Subject Property	20% crown dieback	Remove
46	Norway Spruce	Picea abies	-15	G	G	G	3	Neighbouring		Preserve
47	Scots Pine	Pinus sylvestris	22	FG	G	G	4	Subject Property	Crook	Remove
48	Scots Pine	Pinus sylvestris	21	G	F	F	3	Subject Property	Poor form	Remove
49	Norway Spruce	Picea abies	-15	G	G	G	3	Neighbouring		Preserve
50	Norway Spruce	Picea abies	-46	G	G	G	3	Neighbouring		Preserve
51	Silver Maple	Acer saccharinum	76	G	G	G	11	Subject Property		Remove
52	Silver Maple	Acer saccharinum	61	FG	G	G	8	Subject Property	Union at 2.2 m	Remove
53	Silver Maple	Acer saccharinum	75	G	G	G	9	Subject Property		Remove
54	Silver Maple	Acer saccharinum	48	G	F	G	7	Subject Property	Pruning wounds	Remove
55	Silver Maple	Acer saccharinum	48	FG	G	G	6	Subject Property	Union at 3 m, light cavity in crown	Remove
56	Pussy Willow	Salix discolor	-5-10, avg. 7	F	FG	G	4	Subject Property	Union at ground	Remove
57	Silver Maple	Acer saccharinum	12, 17	F	FG	G	4	Subject Property	Union at 0.2 m	Remove
58	Silver Maple	Acer saccharinum	25	FG	FG	FG	4	Subject Property	Union at 2.2 m, 10% crown dieback	Remove
59	Silver Maple	Acer saccharinum	44, 58	P	F	FF	11	Neighbouring	Union at 0.4 m, heavy fruiting bodies -> root rot, stem wound wth heart rot, 30% crown dieback, HAZARD	Remove
60	Silver Maple	Acer saccharinum	22, 22, 20, 18	F	F	FG	6	Subject Property	Union at 0.3 m, pruning wounds, poor form	Remove
61	Silver Maple	Acer saccharinum	65	FG	G	G	5	Neighbouring	Union at 1.8 m	Remove
62	Silver Maple	Acer saccharinum	44	G	G	G	6	Neighbouring		Preserve
63	Red Maple	Acer rubrum	-42	G	FG	G	6	Neighbouring	Vertical scaffold limb	Preserve
64	Silver Maple	Acer saccharinum	-95	FG	G	G	10	Neighbouring	Union at 2 m	Preserve
65	Silver Maple	Acer saccharinum	54	G	G	G	7	Neighbouring	Union at 2 m	Preserve
66	Apple species	Malus sp.	29	G	FG	FG	4	Neighbouring	Epicormic branching	Preserve
67	Silver Maple	Acer saccharinum	74	FG	G	G	6	Neighbouring		Preserve
68	White Birch	Betula papyrifera	-12, 12, 15	FG	F	F	3	Neighbouring	Union at 1 m, 20% crown dieback	Preserve
69	Shagbark Hickory	Carya ovata	39	G	G	G	8	Neighbouring		Preserve
70	Shagbark Hickory	Carya ovata	35	G	G	G	5	Boundary		Preserve
71	Black Walnut	Juglans nigra	39	G	G	G	6	Neighbouring		Preserve
72	Silver Maple	Acer saccharinum	29	G	G	G	4	Neighbouring		Remove
73	Silver Maple	Acer saccharinum	46	P	F	FF	3	Neighbouring	Cavity wth heart rot, 20% crown dieback	Remove
74	Sugar Maple	Acer saccharum	-65	FG	FG	FG	5	Neighbouring	Union at 1.8 m, broken branches	Preserve
75	Sugar Maple	Acer saccharum	-51	P	F	F	4	Neighbouring	Heavy stem wound, broken branches, 20% crown dieback, grilling root	Preserve
76	Sugar Maple	Acer saccharum	-45	FG	FG	G	5	Neighbouring	Union at 1.8 m	Preserve
77	Sugar Maple	Acer saccharum	-40	F	F	F	3	Neighbouring	Stem wound, main stem missing in crown	Preserve
78	Norway Maple	Acer platanoides	41	FG	G	G	8	Subject Property	Lean west	Remove
79	Silver Maple	Acer saccharinum	44, 21	F	G	G	6	Subject Property	Unions at 0.5 and 1.2 m	Remove
80	Eastern White Cedar	Thuja occidentalis	8, 9, 17	FG	G	G	2	Subject Property	Union at ground, understorey	Remove
81	Silver Maple	Acer saccharinum	14, 21	F	FG	FG	4	Subject Property	Union at 0.3 m, bow ed	Remove
82	Silver Maple	Acer saccharinum	38, 20, 23, 49	F	FG	G	6	Subject Property	Unions at g and 1.7 m	Remove
83	Eastern White Cedar	Thuja occidentalis	15, 30, 10	FG	G	G	3	Subject Property	Union at ground	Remove
84	Norway Maple	Acer platanoides	14	FG	FG	G	4	Subject Property	Union at 1 m	Remove
85	Pear species	Pyrus sp.	-20, 15, 13	F	F	FG	3	Subject Property	Union at ground	Remove
86	Black Walnut	Juglans nigra	12	G	G	G	3	Subject Property		Remove
87	Black Walnut	Juglans nigra	12	G	G	G	3	Subject Property		Remove
88	Black Walnut	Juglans nigra	29	G	G	G	4	Subject Property		Remove
89	Black Walnut	Juglans nigra	19	G	G	G	4	Subject Property		Remove
90	Black Walnut	Juglans nigra	14, 15	FG	G	G	3	Subject Property	Union at ground	Remove
91	White Spruce	Picea glauca	38	G	FG	F	4	ROW	15% crown dieback	Preserve

**Table 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)  
 Recom Recommendation (preserve/remove)  
 G Good  
 F Fair  
 P Poor  
 EAB Emerald Ash Borer  
 ~ Estimate

**LEGEND**

- Surveyed Tree Location
- GPS Tree Location
- 34 Tree Number Identified for Preservation (GREEN)
- 8 Tree Number Identified for Removal (RED)
- TPZ Tree Protection Zone Symbol
- DripLine
- Property Boundary
- Tree Protection Fence

**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 at the mTPZ distance and locations outlined in Table 1 and on Figure 1 prior to the commencement of demolition.
- 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 Figure 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 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.	Date	Description	By
1	5 July 2022	Report Submission	JJJ

DATE SOURCE: QUANTA GROUP INC.

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**Tree Preservation Plan**

Project # P295  
 Date 5 July 2022  
 Scale 1:750

Figure # **1**