

Tree Inventory and Preservation Plan Report

Subject Property:

0 Pin Oak Drive Niagara Falls, ON

Prepared For:

Penta Properties Inc. 4480 Paletta Court Burlington ON, L7L 5R2

Prepared By:

Jackson Arboriculture Inc. 118 Pleasant Ridge Rd. Brantford ON N3R 0B8

11 April 2022

Jackson Arboriculture Inc. Project No. 296



1.0 Introduction

Jackson Arboriculture Inc. was retained by Penta Properties Inc. to complete a Tree Inventory and Preservation Plan report for a property situated at 0 Pin Oak Drive in the City of Niagara Falls, Ontario, hereby referred to as the subject property. It is understood that a development application will be filed with the City for the construction of a residential subdivision.

2.0 Methodology

At the onset of the project the arborilogical scope of work was coordinated with the client and the consulting team. Prior to conducting a site visit, the topographic survey of the subject property and current aerial photography were overlaid utilizing geographic information software, for use on site during the completion of the tree inventory. The tree locations, the topographic survey and the site plan were overlaid and a tree preservation analysis was completed to determine the impacts to each tree included in the inventory.

2.1 Tree Inventory

A site visit was conducted on the 4th of April 2022 to complete the tree inventory. All trees 10 cm in diameter and larger outside of the PSWs situated on subject property, on neighbouring property within 5 m and within the road allowances were included in the tree inventory. A visual assessment was completed on each tree included in the inventory and the following information is provided in the tree inventory table (Table 1):

- Tree #: A number assigned to each tree correlating to the tree inventory and the Tree Preservation Plan (Sheet 1)
- **Species**: Common and scientific (Latin) species names.
- **DBH**: The trunk diameter at breast height, measured in centimeters at 1.4 m from the ground.
- **Condition**: The health of the tree considering the trunk integrity, the crown structure and the crown vigour; each rated as poor, fair or good. The condition ratings are based on the signs, symptoms and defects exhibited by each tree, considering the conditions in which it is growing.
- **Dripline**: The distance in meters from the stem to the tips of the live branches.
- Location: The property where the tree is situated.
- Comments: Any additional notes relevant to the tree's health or growing conditions.
- Recommendation: The recommended removal or preservation of each tree based on the impact assessment.

The trees included in the inventory are identified with numbers 1-213 and were located using a tablet computer with a GPS chip.

2.2 Impact Assessment

A tree preservation analysis was completed on each tree individually considering the impacts from the proposed development and many other factors including, but not limited to, tree condition, species, DBH and the existing site conditions. The impacts from the proposed development will occur where tree roots conflict with construction machinery during demolition, pre-grading, foundation excavation and servicing.

During the tree preservation analysis the dripline was utilized to determine the impacts to the trees included in the tree inventory. Where encroachment is required within the dripline tree removal may be required.

3.0 Existing Conditions

The subject property is currently occupied by a cultural meadow, provincially significant wetlands (PSW) and scattered tree resources. A drainage ditch traverses the western portion of subject property in a northeast to southwest direction. The property is bound by commercial development and PSW to the north, Pin Oak Drive to the east, PSW and woodland to the south and Kalar Road to the west.

4.0 Tree Inventory Results

The results of the tree inventory indicate that a total of 213 trees reside outside of the PSWs on subject property, within the road allowances and on neighbouring property within 5 m of the property boundaries. The trees included in the inventory appear to be comprised of naturally occurring trees and a few landscape plantings.

The trees included in the inventory are comprised of the following species:

- White Elm (*Ulmus americana*),
- Silver Maple (Acer saccharinum),
- Green Ash (Fraxinus pennsylvanica),
- Pear species (*Pyrus sp.*),
- Pin Oak (*Quercus palustris*),
- Bur Oak (*Quercus macrocarpa*),
- Apple species (*Malus sp.*),
- Black Cherry (*Prunus serotina*),
- Eastern Cottonwood (*Populus deltoides*),
- Swamp White Oak (Quercus bicolor),

- Black Locust (Robinia pseudoacacia),
- Red Oak (Quercus rubra),
- Willow species (Salix sp.),
- White Oak (Quercus alba),
- Trembling Aspen (Populus tremuloides),
- Sugar Maple (*Acer saccharum*),
- Basswood (Tilia americana),
- Shagbark Hickory (Carya ovata),
- Norway Spruce (Picea abies) and
- White Spruce (*Picea glauca*).

No rare, threatened or endangered tree species were documented in the tree inventory. Refer to Table 1 for the complete tree inventory and Sheet 1 for the tree locations.

5.0 Proposed Development

The proposed development includes the construction of a multi-block residential subdivision including residential housing blocks, a storm water management block, creek blocks and environmental protection blocks. Access to the subdivision is proposed from Kalar Road and Pin Oak Drive.

6.0 Discussion

The following sections outline the tree removal requirements, tree preservation opportunities based on the results of the impact analysis and tree protection recommendations.

6.1 Tree Removal

The removal of Trees 1, 3, 5-71, 76-100, 102-125, 127-147, 150-172, 174-176, 178, 184 and 187-211 will be required to accommodate the proposed development including grading.

6.2 Tree Preservation

The preservation of Trees 2, 4, 72-75, 101, 126, 148, 149, 173, 177, 179-183, 185, 186, 212 and 213 will be possible with the use of appropriate tree protection measures. Tree protection measures must be implemented prior to the commencement of pre-grading to ensure that the trees identified for preservation are not damaged by the proposed development activities.

Trees 146, 147, 157, 158, 160-163, 169, 170, 171, 172, 178 and 191-211 appear to reside fully or partially on neighbouring property. Permission from the respective property owner will be required prior to the removal of shared trees or neighbouring trees.

Encroachment within the tree protection zone of Trees 101 will be required to accommodate the proposed Street A. If any roots are exposed during construction 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.

Tree protection fence must be installed at the driplines of the trees identified for preservation unless noted otherwise in this report and on Sheet 1. Refer to Sheets 1 and 2 1 for the prescribed tree protection fence locations, the tree protection fence detail and additional tree preservation notes.

6.3 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 dripline for trees identified for preservation prior to the commencement of pre-grading unless noted otherwise in this report and on Sheets 1 and 2.
- 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 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.

7.0 Summary

Jackson Arboriculture Inc. was retained by Penta Properties Inc. to complete a Tree Inventory and Preservation Plan report for a property situated at 0 Pin Oak Drive in the City of Niagara Falls. A tree inventory was conducted and an impact assessment was completed in the context of the proposed development plan.

The tree inventory documented a total of 213 situated on subject property, in the road allowances and on neighbouring property within 5 m of the property boundaries. The results of the impact assessment indicate that the removal of 192 trees included in the tree inventory will be required to accommodate the proposed development.

Respectfully submitted,

Jackson Arboriculture Inc.

Jeremy Jackson

Jeremy Jackson, H.B.Sc., ISA Certified Arborist #ON-1089A GIS Analyst

Limitations of Assessment

It is our policy to attach the following limitations of assessment to ensure that the client, municipalities and agencies are fully aware of what is technically and professionally realistic when visually assessing and retaining trees.

The assessment of the trees presented in this report has been made using accepted arboricultural techniques. These include a visual examination of the above ground parts of each tree for structural defects, scars, external indications of decay such as fungal fruiting bodies, evidence of attack by insects, discoloured foliage, the condition of any visible root structures, the degree and direction of any lean, the general condition of the trees and the surrounding site, and the proximity of property and people.

Notwithstanding the recommendations and conclusions made in this report, it must be realized that trees are living organisms and their health and vigour constantly change. They are not immune to changes in site conditions, or seasonal variations in the weather conditions, including severe storms with high-speed winds.

While reasonable efforts have been made to ensure that the trees recommended for retention are healthy no guarantees are offered, or implied, that these trees, or any parts of them, will remain standing. It is both professionally and practically impossible to predict with absolute certainty the behaviour of any single tree of group of trees or their component parts in al circumstances. Inevitably a standing tree will always pose some risk. Most trees have the potential for failure under adverse weather conditions, and the risk can only be eliminated if the tree is removed.

Although every effort has been made to ensure that this assessment is reasonably accurate, trees should be re-assessed periodically. The assessment presented in this report is valid as the time of the inspection.

Table 1. Tree Inventory

Location: <u>0 Pin Oak Dr, Niagara Falls</u>
Date: <u>4 April 2022</u> Surveyors: <u>JJJ</u>

Tree #	Common Name	Scientific Name	DBH	TI	cs	CV	DL	Location*	Comments	Recom.
1	White Elm	Ulmus americana	16	G	G	G	3	Subject property		Remove
2	Silver Maple	Acer saccharinum	12	G	G	G	3	Neighbouring		Preserve
3	Silver Maple	Acer saccharinum	30	FG	G	G	4	Subject property	Union at 1.6 m	Remove
4	Green Ash	Fraxinus pennsylvanica	11	G	G	G	2	Neighbouring		Preserve
5	Pear species	Pyrus sp.	30	FG	FG	G	3	Subject property	Union at 1.8 m	Remove
6	Pin Oak	Quercus palustris	34	G	G	G	5	Subject property		Remove
7	Bur Oak	Quercus macrocarpa	40	G	FG	FG	6	Subject property	Epicormic branching	Remove
8	Green Ash	Fraxinus pennsylvanica	28	Р	Р	Р	4	Subject property	Peeling bark, epicormic branching, EAB infestation	Remove
9	Pear species	Pyrus sp.	19	G	G	G	4	Subject property		Remove
10	Green Ash	Fraxinus pennsylvanica	23	Р	Р	Р	4	Subject property	Peeling bark, epicormic branching, 60% crown dieback, EAB infestation	Remove
11	Silver Maple	Acer saccharinum	26, 19, 8	FG	FG	G	4	Subject property	Union at 0.3 m	Remove
12	Pear species	Pyrus sp.	31	FG	G	G	4	Subject property	Union at 0.4 m	Remove
13	Pear species	Pyrus sp.	17, 12, 15	FG	FG	G	3	Subject property	Union at ground	Remove
14	Pear species	Pyrus sp.	24, 21	FG	G	G	4	Subject property	Union at ground	Remove
15	Pear species	Pyrus sp.	13	G	G	G	3	Subject property		Remove
16	Pear species	Pyrus sp.	24, 19, 13	FG	G	G	4	Subject property	Union at ground	Remove
17	Pear species	Pyrus sp.	20	G	G	G	3	Subject property		Remove
18	Pear species	Pyrus sp.	21	G	G	G	3	Subject property		Remove
19	Apple species	Malus sp.	16	G	G	G	4	Subject property		Remove
20	Apple species	Malus sp.	11, 11, 10, 11	FG	FG	G	3	Subject property	Unions at ground and 0.3 m	Remove
21	Black Cherry	Prunus serotina	10, 13, 12	F	PF	PF	3	Subject property	Union at ground with stem wounds, 12 cm stem dead, 30% crown dieback	Remove
22	Pear species	Pyrus sp.	14, 23, 12,	F	FG	G	5	Subject property	Unions at ground with included bark	Remove
23	Pear species	Pyrus sp.	10, 7, 8, 8, 9, 8	F	F	FG	4	Subject property	Unions at ground and 0.3 m, epicormic branching	Remove
24	Black Cherry	Prunus serotina	36	G	G	G	6	Subject property		Remove
25	Pear species	Pyrus sp.	23, 16	FG	FG	G	4	Subject property	Unions at ground and 1.5 m	Remove
26	Pear species	Pyrus sp.	16, 20	F	FG	G	3	Subject property	Unions at ground	Remove
27	Pear species	Pyrus sp.	21, 33, 24	FG	G	G	5	Subject property	Unions at ground and 0.3 m	Remove
28	Pear species	Pyrus sp.	23, 14	FG	FG	G	4	Subject property	Union at ground, epicormic branching	Remove
29	Pear species	Pyrus sp.	19	FG	G	G	4	Subject property	Union at 1.5 m	Remove
30	Silver Maple	Acer saccharinum	12, 15, 12, 9, 8	F	FG	G	3	Subject property	Unions at ground	Remove
31	Pear species	Pyrus sp.	13, 17	FG	FG	G	3	Subject property	Union at ground	Remove
32	Eastern Cottonwood	Populus deltoides	24, 25	F	FG	G	5	Subject property	Union at 0.3 m	Remove
33	Eastern Cottonwood	Populus deltoides	52	FG	FG	G	9	Subject property	Union at base of crown	Remove

Tree #	Common Name	Scientific Name	DBH	TI	cs	CV	DL	Location*	Comments	Recom.
34	Swamp White Oak	Quercus bicolor	10, 8, 22	FG	FG	FG	4	Subject property	Union at 0.2 m	Remove
35	Black Locust	Robinia pseudoacacia	16	G	G	G	3	Subject property		Remove
36	Black Locust	Robinia pseudoacacia	12	FG	G	G	3	Subject property	Union at 1.8 m	Remove
37	Black Locust	Robinia pseudoacacia	13	G	G	G	3	Subject property		Remove
38	Black Locust	Robinia pseudoacacia	11	F	G	G	3	Subject property	Sweep	Remove
39	Black Locust	Robinia pseudoacacia	11	F	G	G	3	Subject property	Sweep	Remove
40	Black Locust	Robinia pseudoacacia	15	G	G	G	3	Subject property		Remove
41	Black Locust	Robinia pseudoacacia	17	G	G	G	3	Subject property	Grapevine competition	Remove
42	Black Locust	Robinia pseudoacacia	13	FG	G	G	3	Subject property	Crook	Remove
43	Black Locust	Robinia pseudoacacia	19	G	G	G	4	Subject property		Remove
44	Black Locust	Robinia pseudoacacia	17, 17	F	FG	G	4	Subject property	Union at 1 m, light sweep	Remove
45	Black Locust	Robinia pseudoacacia	16	FG	G	G	3	Subject property	Union at 1.5 m	Remove
46	Black Locust	Robinia pseudoacacia	13	FG	G	G	3	Subject property	Union at base of crown	Remove
47	Black Locust	Robinia pseudoacacia	11	G	G	G	3	Subject property		Remove
48	Black Locust	Robinia pseudoacacia	13	G	G	G	3	Subject property		Remove
49	Black Locust	Robinia pseudoacacia	10	FG	G	G	3	Subject property	Union at base of crown	Remove
50	Black Locust	Robinia pseudoacacia	10	F	G	G	3	Subject property	Stem wound	Remove
51	Black Locust	Robinia pseudoacacia	24	G	G	G	5	Subject property		Remove
52	Black Locust	Robinia pseudoacacia	13, 13	FG	G	G	4	Subject property	Union at 0.2 m	Remove
53	Green Ash	Fraxinus pennsylvanica	20	Р	Р	Р	4	Subject property	Peeling bark, epicormic branching, EAB infestation	Remove
54	Black Locust	Robinia pseudoacacia	18	FG	G	G	4	Subject property	Lean	Remove
55	Black Locust	Robinia pseudoacacia	17	FG	G	G	3	Subject property	Lean	Remove
56	Black Locust	Robinia pseudoacacia	17	FG	G	G	3	Subject property	Lean	Remove
57	Black Locust	Robinia pseudoacacia	17	G	G	G	3	Subject property		Remove
58	Black Locust	Robinia pseudoacacia	11	FG	G	G	3	Subject property	Lean	Remove
59	Black Locust	Robinia pseudoacacia	12	FG	G	G	3	Subject property	Lean	Remove
60	Black Locust	Robinia pseudoacacia	21	G	G	G	4	Subject property	Lean	Remove
61	Black Locust	Robinia pseudoacacia	21	F	G	G	4	Subject property	Crooks, stem wound	Remove
62	Black Locust	Robinia pseudoacacia	20	FG	G	G	4	Subject property	Sweep	Remove
63	Black Locust	Robinia pseudoacacia	14	FG	G	G	4	Subject property	Lean	Remove
64	Black Locust	Robinia pseudoacacia	13, 19	F	G	G	4	Subject property	Union at 0.3 m, sweep	Remove
65	Black Locust	Robinia pseudoacacia	15, 13	F	G	G	4	Subject property	Union at ground, lean	Remove
66	Black Locust	Robinia pseudoacacia	21	FG	G	G	4	Subject property	Union at base of crown	Remove

Tree	Common	Scientific	DBH	TI	cs	CV	DL	Location*	Comments	Recom.
#	Name	Name Robinia	29, 19,						Union at ground with	
67	Black Locust	pseudoacacia	20	FG	G	G	5	Subject property	included bark	Remove
68	Black Locust	Robinia pseudoacacia	63	F	FG	FG	7	Subject property	Union at 1 m with included bark and seams	Remove
69	Black Locust	Robinia pseudoacacia	17, 14	F	F	FG	5	Subject property	Union at ground, lean, sweep	Remove
70	Silver Maple	Acer saccharinum	31, 31, 20	FG	FG	G	7	Subject property	Union at 0.3 m	Remove
71	Red Oak	Quercus rubra	27, 30, 30	FG	G	G	7	Subject property	Unions at ground and 1.3 m	Remove
72	Eastern Cottonwood	Populus deltoides	19	FG	G	G	3	Subject property	Swollen flare	Preserve
73	Eastern Cottonwood	Populus deltoides	~35	G	G	G	4	Subject property		Preserve
74	Willow species	Salix sp.	~13	F	FG	G	3	Subject property	Lean	Preserve
75	Willow species	Salix sp.	13, 13, 14, 10	F	F	F	3	Subject property	Unions at ground, broken branches, poor form	Preserve
76	Black Cherry	Prunus serotina	17	G	G	G	4	Subject property		Remove
77	Eastern Cottonwood	Populus deltoides	35	G	G	G	5	Subject property		Remove
78	Eastern Cottonwood	Populus deltoides	12	FG	G	G	3	Subject property	Understorey - light lean	Remove
79	Willow species	Salix sp.	15, 17	Р	Р	Р	1	Subject property	Union at 0.3 m, 90% crown dieback	Remove
80	Bur Oak	Quercus macrocarpa	14, 9	FG	FG	G	3	Subject property	Union at 0.5 m	Remove
81	White Elm	Ulmus americana	12	G	G	G	3	Subject property		Remove
82	Eastern Cottonwood	Populus deltoides	11	FG	FG	G	3	Subject property	Lean west, understorey	Remove
83	Eastern Cottonwood	Populus deltoides	16	G	G	G	3	Subject property		Remove
84	Eastern Cottonwood	Populus deltoides	17	FG	FG	FG	3	Subject property	10% crown dieback, stem wound	Remove
85	Eastern Cottonwood	Populus deltoides	12	F	F	F	2	Subject property	Canker	Remove
86	Eastern Cottonwood	Populus deltoides	36, 25	FG	G	G	6	Subject property	Union at 0.5 m	Remove
87	Eastern Cottonwood	Populus deltoides	10	G	G	G	2	Subject property		Remove
88	White Elm	Ulmus americana	11	G	G	G	2	Subject property		Remove
89	Green Ash	Fraxinus pennsylvanica	11	F	F	F	2	Subject property	EAB infestation	Remove
90	Silver Maple	Acer saccharinum	32, 23, 17, 11, 10, 13, 11	F	FG	G	7	Subject property	Union at ground	Remove
91	Silver Maple	Acer saccharinum	20	G	G	G	5	Subject property		Remove
92	Eastern Cottonwood	Populus deltoides	35, 29	FG	G	G	5	Subject property	Union at 0.3 m	Remove
93	Willow species	Salix sp.	25	F	PF	PF	1	Subject property	Growth deficit at flare, top of crown dead	Remove
94	Green Ash	Fraxinus pennsylvanica	21	Р	Р	Р	5	Subject property	Peeling bark, EAB infestation	Remove
95	Apple sp	Malus sp.	13, 14, 15, 23	F	F	FG	4	Subject property	Unions at ground, epicormic branching	Remove
96	Apple sp	Malus sp.	12, 12, 8	F	FG	FG	3	Subject property	Unions at ground and 1 m, epicormic branching, lean southeast	Remove
97	Green Ash	Fraxinus pennsylvanica	16	Р	Р	Р	3	Subject property	Epicormic branching, EAB infestation	Remove
98	Green Ash	Fraxinus pennsylvanica	11	Р	Р	Р	2	Subject property	Stem wounds, peeling bark, EAB infestation	Remove
99	White Elm	Ulmus americana	10	G	G	G	3	Subject property		Remove

Tree #	Common Name	Scientific Name	DBH	TI	cs	CV	DL	Location*	Comments	Recom.
100	Green Ash	Fraxinus pennsylvanica	18	Р	Р	Р	4	Subject property	Union at 1.5 m, EAB infestation	Remove
101	White Oak	Quercus alba	31	G	G	G	5	Subject property		Preserve
102	Red Oak	Quercus rubra	18, 18	F	FG	G	4	Subject property	Union at ground with included bark	Remove
103	Red Oak	Quercus rubra	15	G	G	G	4	Subject property		Remove
104	Red Oak	Quercus rubra	83, 11, 17, 9	F	FG	G	11	Subject property	Unions at ground and 1.5 m	Remove
105	White Elm	Ulmus americana	14	G	G	G	3	Subject property		Remove
106	Trembling Aspen	Populus tremuloides	16	FG	FG	FG	3	Subject property	Sweep, crook	Remove
107	Trembling Aspen	Populus tremuloides	29	G	G	G	4	Subject property		Remove
108	Green Ash	Fraxinus pennsylvanica	13	Р	Р	Р	2	Subject property	Epicormic branching, stem wounds, EAB infestation	Remove
109	Trembling Aspen	Populus tremuloides	18	G	G	G	3	Subject property		Remove
110	Trembling Aspen	Populus tremuloides	19	G	G	G	4	Subject property		Remove
111	White Elm	Ulmus americana	21	G	G	G	4	Subject property		Remove
112	Trembling Aspen	Populus tremuloides	20	Р	Р	Р	2	Subject property	Canker, 50% crown dieback	Remove
113	White Elm	Ulmus americana	11	G	G	G	3	Subject property		Remove
114	Red Oak	Quercus rubra	60,22	G	G	G	10	Subject property	Union at 1 m with included bark	Remove
115	White Elm	Ulmus americana	12	F	F	FG	4	Subject property	Bowed east - understorey	Remove
116	Red Oak	Quercus rubra	22	F	G	G	4	Subject property	Stem wound at flare with heart rot	Remove
117	Red Oak	Quercus rubra	33	F	G	G	8	Subject property	Cavity at flare with heart rot	Remove
118	Sugar Maple	Acer saccharum	7, 11, 21	F	F	G	4	Subject property	Unions at ground and 0.5 m, diseased	Remove
119	Pin Oak	Quercus palustris	17	F	Р	Р	1	Subject property	Poor form, 50% crown dieback	Remove
120	Basswood	Tilia americana	17	F	F	F	4	Subject property	Bowed west, understorey	Remove
121	Red Oak	Quercus rubra	30	G	G	G	6	Subject property	Branch galls	Remove
122	Pear species	Pyrus sp.	14	PF	FG	FG	2	Subject property	Union at 1.8 m, heavy sweep	Remove
123	Red Oak	Quercus rubra	10	G	G	G	3	Subject property		Remove
124	Bur Oak	Quercus macrocarpa	12	G	G	G	2	Subject property		Remove
125	Green Ash	Fraxinus pennsylvanica	12	Р	Р	Р	3	Subject property	Peeling bark, 90% crown dieback, EAB infestation	Remove
126	Pin Oak	Quercus palustris	39	G	G	G	5	Subject property		Preserve
127	Red Oak	Quercus rubra	14	FG	F	F	3	Subject property	Top of crown dead - 20% crown dieback, understorey	Remove
128	Pear species	Pyrus sp.	24, 18	F	F	F	3	Subject property	Union at 1.1 m, epicormic branching, understorey	Remove
129	Shagbark Hickory	Carya ovata	21	G	FG	G	4	Subject property	Understorey	Remove
130	Basswood	Tilia americana	13	FG	FG	G	4	Subject property	Bowed east, understorey	Remove
131	Black Cherry	Prunus serotina	12	F	F	F	4	Subject property	Sweep, bowed east	Remove
132	Shagbark Hickory	Carya ovata	31	G	G	G	4	Subject property		Remove
133	White Elm	Ulmus americana	13	G	G	G	2	Subject property		Remove
134	White Elm	Ulmus americana	11	G	G	G	3	Subject property		Remove
135	White Elm	Ulmus americana	16	G	G	G	3	Subject property		Remove
136	White Elm	Ulmus americana	22	G	G	G	4	Subject property		Remove

Tree #	Common Name	Scientific Name	DBH	ті	cs	cv	DL	Location*	Comments	Recom.
137	Green Ash	Fraxinus	14	P	P	Р	2	Subject property	90% crown dieback, epicormic branching,	Remove
		pennsylvanica							peeling bark, EAB infestation	
138	Pin Oak	Quercus palustris	36	G	G	G	7	Subject property	Dealine hade EAD	Remove
139	Green Ash	Fraxinus pennsylvanica	16	P	Р	Р	4	Subject property	Peeling bark, EAB infestation	Remove
140	Apple species	Malus sp.	21	F	FG	G	4	Subject property	Lean east	Remove
141	Pear species	Pyrus sp. Fraxinus	20	G	G	G	3	Subject property	Peeling bark, EAB	Remove
142	Green Ash	pennsylvanica	19	Р	Р	Р	3	Subject property	infestation	Remove
143	Pear species	Pyrus sp.	22	FG	FG	FG	3	Subject property	Epicormic branching	Remove
144	Pear species	Pyrus sp.	16	G	G	G	3	Subject property		Remove
145	White Oak	Quercus alba	36	G	G	G	6	Subject property		Remove
146	White Elm	Ulmus americana	12	G	G	G	3	Boundary		Remove
147	Pin Oak	Quercus palustris	24	G	G	G	4	Neighbouring	Branch galls	Remove
148	Pin Oak	Quercus palustris	15	G	G	G	4	Neighbouring		Preserve
149	Pin Oak	Quercus palustris	19	G	G	G	4	Neighbouring		Preserve
150	Pear species	Pyrus sp.	13	F	FG	G	2	Subject property	Crook	Remove
151	Pear species	Pyrus sp.	14	PF	F	F	2	Subject property	Heavy lean east	Remove
152	Red Oak	Quercus rubra	27	G	G	G	5	Subject property		Remove
153	Pin Oak	Quercus palustris	33	G	G	G	4	Subject property		Remove
154	Swamp White Oak	Quercus bicolor	19, 10	FG	G	G	3	Subject property	Union at 0.5 m	Remove
155	Pin Oak	Quercus palustris	35	G	G	G	5	Subject property		Remove
156	Pear species	Pyrus sp.	24, 20	FG	FG	G	3	Subject property	Union at 1.6 m	Remove
157	Eastern Cottonwood	Populus deltoides	33	G	G	G	5	Neighbouring		Remove
158	Green Ash	Fraxinus pennsylvanica	20	Р	Р	Р	3	Neighbouring	Peeling bark, epicormic branching, EAB infestation	Remove
159	Eastern Cottonwood	Populus deltoides	62	G	G	G	8	Subject property		Remove
160	Bur Oak	Quercus macrocarpa	36, 20	PF	PF	PF	5	Boundary	Union at 0.3 m, heavy stem wound with heart rot, top of crown missing	Remove
161	Pin Oak	Quercus palustris	10, 14	FG	FG	G	3	Boundary	Union at ground	Remove
162	Pin Oak	Quercus palustris	25	G	G	G	5	Neighbouring		Remove
163	Pin Oak	Quercus palustris	31	F	FG	G	5	Neighbouring	Union in crown	Remove
164	Pin Oak	Quercus palustris	10	G	G	G	4	Subject property	Oak branch gall	Remove
165	Shagbark Hickory	Carya ovata	13	G	G	G	2	Subject property		Remove
166	Shagbark Hickory	Carya ovata	12	G	G	G	2	Subject property		Remove
167	Shagbark Hickory	Carya ovata	14	G	G	G	2	Subject property		Remove
168	Shagbark Hickory	Carya ovata	10	G	G	G	2	Subject property		Remove
169	Shagbark Hickory	Carya ovata	16	G	G	G	3	Boundary		Remove
170	Shagbark Hickory	Carya ovata	22	G	G	G	5	Boundary		Remove
171	Pear species	Pyrus sp.	24	FG	FG	G	4	Boundary	Union at 2.2 m, spiral grain	Remove
172	Shagbark Hickory	Carya ovata	13	G	G	G	3	Boundary		Remove
173	Shagbark Hickory	Carya ovata	22	G	G	G	4	Neighbouring		Preserve

Name	Troo	Common	Scientific								
Helckory	Tree #		Scientific Name	DBH	TI	CS	CV	DL	Location*	Comments	Recom.
February	174		Carya ovata	35	G	G	G	6	Boundary		Remove
Red Oak	175	Bur Oak	· ·	41	G	G	G	5	Boundary		Remove
Hickory	176	Red Oak	Quercus rubra		F	F	FG	7	Boundary	failed stem, 1 stem bowed	Remove
179 Green Ash	177		Carya ovata	29	G	G	G	5	Neighbouring		Preserve
	178	Pin Oak	,	17	G	G	G	4	Neighbouring	Branch gall	Remove
181	179	Green Ash		12	Р	Р	Р	3	Neighbouring	EAB infestation	Preserve
Hickory	180	Oak	Quercus bicolor	15	G	G	G	3	Neighbouring		Preserve
18.3 Willow species Salix sp. 13, 12, 15 F FG G G 3 Subject property debris plied in rotzone against trunk Remove	181		Carya ovata	21	FG	G	G	4	Neighbouring	_	Preserve
Willow species Salix sp. 15, 12, 15 F FG G G G G G G G	182	Pin Oak	Quercus palustris	46	G	G	G	7	Neighbouring		Preserve
185 White Elm	183	Willow species	Salix sp.		F	FG	G	3	, , , ,	debris piled in rootzone	Preserve
186 White Elm Ulmus americana 29, 22, 14 F FG G 4 Neighbouring Unions at 0.4 and 1.3 m Preserve 187 White Spruce Picea glauca 24 G G G 4 Neighbouring Remove 189 White Spruce Picea glauca 29 G G G 4 Neighbouring Remove 190 White Spruce Picea glauca 29 G G G 4 Neighbouring Remove 190 White Spruce Picea glauca 22 G FG G 3 Neighbouring Crook Remove 191 White Spruce Picea abies 3 G G G Subject property Union in crown Remove 192 Norway Spruce Picea abies 18 G G 4 Subject property Union in crown Remove 194 Norway Spruce Picea abies 22 G F G 4	184	Norway Spruce	Picea abies	28	G	G	G	4	Subject property		Remove
White Spruce Picea glauca 24 G G G G G G Heighbouring Remove	185	White Elm	Ulmus americana		G	G	G	2	Neighbouring		Preserve
Mile Spruce Picea glauca 20 G G G G 4 Neighbouring Remove	186	White Elm	Ulmus americana		F	FG	G	4	Neighbouring	Unions at 0.4 and 1.3 m	Preserve
White Spruce Picea glauca 29 G G G G A Neighbouring Remove	187	White Spruce	Picea glauca	24	G	G	G	4	Neighbouring		Remove
White Spruce Picea glauca 22 G FG G 3 Neighbouring Crook Remove	188	White Spruce	Picea glauca	20	G	G	G	4	Neighbouring		Remove
191 White Spruce Picea glauca 35 G G G G S Subject property Remove	189	White Spruce	Picea glauca	29	G	G	G	4	Neighbouring		Remove
192 Norway Spruce Picea abies 17 G FG G 3 Subject property Union in crown Remove 193 Norway Spruce Picea abies 22 G FG G 4 Subject property Union in crown Remove 194 Norway Spruce Picea abies 18 G G G G 3 Subject property Union in crown Remove 195 Norway Spruce Picea abies 26 G FG G 4 Subject property Vertical scaffold limbs Remove 196 Norway Spruce Picea abies 22 G F G 4 Subject property Union in crown Remove 197 Norway Spruce Picea abies 31 G F FG G 3 Subject property Union in crown Remove 198 Norway Spruce Picea abies 18 G FG G 3 Subject property Union in crown Remove 199 Norway Spruce Picea abies 18 G FG G 3 Subject property Union in crown Remove 200 Norway Spruce Picea abies 12 G FG FG 2 Subject property Union in crown Remove 201 Norway Spruce Picea abies 25 G FG G 3 Subject property Vertical scaffold limbs Remove 202 Norway Spruce Picea abies 25 G FG G 3 Subject property Vertical scaffold limbs Remove 203 Green Ash Fraxinus pennsylvanica 10 G G G 3 Subject property Vertical scaffold limbs Remove 204 Norway Spruce Picea abies 24 G F G G 3 Subject property Vertical scaffold limbs Remove 205 White Spruce Picea abies 24 G F G G G G S Subject property Vertical scaffold limbs Remove 206 Norway Spruce Picea abies 24 G G G G S Subject property Union in crown Remove 207 Norway Spruce Picea abies 24 G G G G S Subject property Union in crown Remove 208 White Spruce Picea abies 24 G G G G G S Subject property Remove 208 White Spruce Picea abies 24 G G G G S Subject property Remove 209 Norway Spruce Picea abies 24 G G G G S Subject property Remove 209 Norway Spruce Picea abies 24 G G G G S Subject property Remove 209 Norway Spruce Picea abies 18 G G G G S Subject property Rope girdling stem Remove 209 Norway Spruce Picea abies 18 G G G G S Subject property Rope girdling stem Remove 209 Norway Spruce Picea abies 18 G G G G S Subject property Rope girdling stem Remove 209 Norway Spruce Picea abies 18 G G G G S Subject property 20% crown dieback Remove 211 Norway Spruce Picea abies 18 G F F F S Subject property 20% crown	190	White Spruce	Picea glauca	22	G	FG	G	3	Neighbouring	Crook	Remove
Norway Spruce Picea abies 22 G FG G 4 Subject property Union in crown Remove	191	White Spruce	Picea glauca	35	G	G	G	5	Subject property		Remove
Norway Spruce Picea abies 18 G G G G S Subject property Vertical scaffold limbs Remove Picea abies 26 G F G G 4 Subject property Vertical scaffold limbs Remove Picea abies 22 G F G G 4 Subject property Vertical scaffold limbs Remove Picea abies 31 G F F G S Subject property Union in crown Remove Picea abies 31 G F F G S Subject property Union in crown Remove Picea abies 18 G F G S Subject property Vertical scaffold limbs Remove Picea abies 18 G F F G S Subject property Vertical scaffold limbs Remove Picea abies 18 G F F G S Subject property Vertical scaffold limbs Remove Picea abies 12 G F G S Subject property Vertical scaffold limbs Remove Picea abies 12 G F G S Subject property Vertical scaffold limbs Remove Picea abies 25 G F G S Subject property Vertical scaffold limbs Remove Picea abies 25 G F G S Subject property Vertical scaffold limbs Remove Picea abies 25 G F G S Subject property Vertical scaffold limbs Remove Picea abies 22 G G G S Subject property Vertical scaffold limbs Remove Picea abies 24 G F G S Subject property Vertical scaffold limbs Remove Picea abies 24 G F G S Subject property Vertical scaffold limbs Remove Picea abies 24 G F G S Subject property Vertical scaffold limbs Remove Picea abies 24 G F G S Subject property Vertical scaffold limbs Remove Picea abies 24 G F G S Subject property Vertical scaffold limbs Remove Picea abies 24 G F G S Subject property Vertical scaffold limbs Remove Picea abies 24 G F G S Subject property Vertical scaffold limbs Remove Picea abies 24 G F G S Subject property Vertical scaffold limbs Remove Picea abies 24 G F G S Subject property Vertical scaffold limbs Remove Picea abies 24 G F G S Subject property Vertical scaffold limbs Remove Picea abies 24 G F G S Subject property Vertical scaffold limbs Remove Picea abies 24 G F G S Subject property Remove Picea abies 24 G G G G S Subject property Remove Picea abies 18 G G G S Subject property Remove Picea abies 18 G G G S Subject property Remove Picea abies 18 G G G S Subject property Picea abies Remove Picea abies	192	Norway Spruce	Picea abies	17	G	FG	G	3	Subject property	Union in crown	Remove
Norway Spruce Picea abies 26 G FG G 4 Subject property Vertical scaffold limbs Remove Picea abies 22 G F G F G 4 Subject property Union in crown Remove Picea abies 31 G F FG G 3 Subject property Union in crown Remove Picea abies 18 G F FG G 3 Subject property Union in crown Remove Picea abies 18 G F FG G 3 Subject property Union in crown Remove Picea abies 18 G F FG G 3 Subject property Vertical scaffold limbs Remove Picea abies 18 G F FG G 3 Subject property Union in crown Remove Picea abies 12 G FG FG G 3 Subject property Union in crown Remove Picea abies 12 G FG FG G 3 Subject property Union in crown Remove Picea abies 12 G FG FG G 3 Subject property Vertical scaffold limbs Remove Picea abies 25 G FG G G 3 Subject property Vertical scaffold limbs Remove Picea abies 22 G G G G 3 Subject property Vertical scaffold limbs Remove Picea abies 22 G G G G G 3 Subject property Vertical scaffold limbs Remove Picea abies 22 G G G G G G G G G G G G G G G G G G	193	Norway Spruce	Picea abies	22	G	FG	G	4	Subject property	Union in crown	Remove
196Norway SprucePicea abies22GFG4Subject propertyUnion in crownRemove197Norway SprucePicea abies31GFFG3Subject propertyUnion in crownRemove198Norway SprucePicea abies18GFGG3Subject propertyVertical scaffold limbsRemove199Norway SprucePicea abies18GFFG3Subject propertyUnion in crownRemove200Norway SprucePicea abies12GFGFG2Subject propertySmall crown - shadingRemove201Norway SprucePicea abies25GFGG3Subject propertyVertical scaffold limbsRemove202Norway SprucePicea abies22GGG3Subject propertyVertical scaffold limbsRemove203Green AshFraxinus pennsylvanica10GGG3Subject propertyUnion in crownRemove204Norway SprucePicea abies24GFG4Subject propertyUnion in crownRemove205White SprucePicea abies22GGG3Subject propertyRemove207Norway SprucePicea abies24GGG3Subject propertyRemove208White SprucePicea abies18GG <td< td=""><td>194</td><td>Norway Spruce</td><td>Picea abies</td><td>18</td><td>G</td><td>G</td><td>G</td><td>3</td><td>Subject property</td><td></td><td>Remove</td></td<>	194	Norway Spruce	Picea abies	18	G	G	G	3	Subject property		Remove
197 Norway Spruce Picea abies 31 G F FG 3 Subject property Union in crown Remove 198 Norway Spruce Picea abies 18 G FG G 3 Subject property Vertical scaffold limbs Remove 200 Norway Spruce Picea abies 12 G FG FG 2 Subject property Vertical scaffold limbs Remove 201 Norway Spruce Picea abies 25 G FG G 3 Subject property Small crown - shading Remove 202 Norway Spruce Picea abies 22 G G G 3 Subject property Vertical scaffold limbs Remove 203 Green Ash Fraxinus pennsylvanica 24 G F G G 3 Subject property Vertical scaffold limbs Remove 204 Norway Spruce Picea abies 24 G F G G 3 Neighbouring Remove 205 White Spruce Picea abies 22 G G G G 3 Subject property Union in crown Remove 206 Norway Spruce Picea abies 22 G G G G 3 Subject property Union in crown Remove 206 Norway Spruce Picea abies 22 G G G G 3 Subject property Union in crown Remove 207 Norway Spruce Picea abies 24 G G G G 3 Subject property Remove 208 White Spruce Picea abies 24 G G G G 3 Subject property Remove 208 White Spruce Picea abies 24 G G G G 3 Subject property Remove 208 White Spruce Picea abies 24 G G G G 3 Subject property Remove 209 Norway Spruce Picea abies 18 G G G G 3 Subject property Remove 209 Norway Spruce Picea abies 18 G G G G 3 Subject property Remove 210 Norway Spruce Picea abies 18 G G G G 3 Subject property Remove 211 Norway Spruce Picea abies 18 G G G G 3 Subject property Remove 211 Norway Spruce Picea abies 18 G G G G 3 Subject property Remove 211 Norway Spruce Picea abies 18 G G G G 3 Subject property Remove 212 White Spruce Picea abies 18 G G G G Subject property 20% crown dieback Remove 212 White Spruce Picea abies 18 G F F F 2 Subject property 20% crown dieback Remove 212 White Spruce Picea abies 18 G F F F 2 Subject property 20% crown dieback Remove 212 White Spruce Picea abies 18 G F F F 2 Subject property 20% crown dieback Preserve	195	Norway Spruce	Picea abies	26	G	FG	G	4	Subject property	Vertical scaffold limbs	Remove
198 Norway Spruce Picea abies 18 G FG G 3 Subject property Vertical scaffold limbs Remove 199 Norway Spruce Picea abies 18 G F FG 3 Subject property Union in crown Remove 200 Norway Spruce Picea abies 12 G FG FG 2 Subject property Vertical scaffold limbs Remove 201 Norway Spruce Picea abies 25 G FG G 3 Subject property Vertical scaffold limbs Remove 202 Norway Spruce Picea abies 22 G G G G 3 Subject property Vertical scaffold limbs Remove 203 Green Ash Picea abies 24 G F G G 3 Subject property Remove 204 Norway Spruce Picea abies 24 G F G G S Subject property Union in crown Remove 205 White Spruce Picea abies 24 G G G G S Subject property Union in crown Remove 206 Norway Spruce Picea abies 22 G G G G S Subject property Remove 207 Norway Spruce Picea abies 24 G G G G S Subject property Remove 208 White Spruce Picea abies 24 G G G G S Subject property Remove 208 White Spruce Picea abies 24 G G G G S Subject property Remove 209 Norway Spruce Picea abies 18 G G G G S Subject property Remove 209 Norway Spruce Picea abies 18 G G G G S Subject property Remove 210 Norway Spruce Picea abies 18 G G G G S Subject property Remove 211 Norway Spruce Picea abies 18 G G G G S Subject property Remove 211 Norway Spruce Picea abies 18 G G G G S Subject property Remove 212 White Spruce Picea abies 18 G F F F S Subject property 20% crown dieback Remove 212 White Spruce Picea abies 18 G F F F S Subject property 20% crown dieback Remove 212 White Spruce Picea abies 18 G F F F S Subject property 20% crown dieback Remove 212 White Spruce Picea abies 18 G F F F S Subject property 20% crown dieback Remove 212 White Spruce Picea abies 12 F G G G S Neighbouring Suy wire girdling stem Preserve	196	Norway Spruce	Picea abies	22	G	F	G	4	Subject property	Union in crown	Remove
199Norway SprucePicea abies18GFFG3Subject propertyUnion in crownRemove200Norway SprucePicea abies12GFGFG2Subject propertySmall crown - shadingRemove201Norway SprucePicea abies25GFGG3Subject propertyVertical scaffold limbsRemove202Norway SprucePicea abies22GGG3Subject propertyPertical scaffold limbsRemove203Green AshFraxinus pennsylvanica10GGG3NeighbouringRemove204Norway SprucePicea abies24GFG4Subject propertyUnion in crownRemove205White SprucePicea abies22GGG2Subject propertyRemove207Norway SprucePicea abies24GGG3Subject propertyRemove208White SprucePicea abies18GGG3Subject propertyRope girdling stemRemove209Norway SprucePicea abies18GGG3Subject propertyRemove210Norway SprucePicea abies18GFF2Subject property20% crown diebackRemove211Norway SprucePicea abies18GFF2Subject property20% crow	197	Norway Spruce	Picea abies	31	G	F	FG	3	Subject property	Union in crown	Remove
200Norway SprucePicea abies12GFGFG2Subject propertySmall crown - shadingRemove201Norway SprucePicea abies25GFGG3Subject propertyVertical scaffold limbsRemove202Norway SprucePicea abies22GGG3Subject propertyRemove203Green AshFraxinus pennsylvanica10GGGG3NeighbouringRemove204Norway SprucePicea abies24GFG4Subject propertyUnion in crownRemove205White SprucePicea abies22GGG2Subject propertyRemove206Norway SprucePicea abies24GGG3Subject propertyRemove207Norway SprucePicea abies24GGG3Subject propertyRope girdling stemRemove208White SprucePicea abies18GGG3Subject propertyRemove210Norway SprucePicea abies18GGG3Subject property20% crown diebackRemove211Norway SprucePicea abies18GFF2Subject property20% crown diebackRemove212White SprucePicea glauca12FGG2NeighbouringGuy wire girdling stemP	198	Norway Spruce	Picea abies	18	G	FG	G	3	Subject property	Vertical scaffold limbs	Remove
201Norway SprucePicea abies25GFGG3Subject propertyVertical scaffold limbsRemove202Norway SprucePicea abies22GGG3Subject propertyRemove203Green AshFraxinus pennsylvanica pennsylvanica10GGG3NeighbouringRemove204Norway SprucePicea abies24GFG4Subject propertyUnion in crownRemove205White SprucePicea abies22GGG2Subject propertyRemove206Norway SprucePicea abies24GGG3Subject propertyRemove207Norway SprucePicea abies24GGG3Subject propertyRope girdling stemRemove208White SprucePicea abies18GGG3Subject propertyRemove210Norway SprucePicea abies18GGG3Subject propertyRemove211Norway SprucePicea abies18GFF2Subject property20% crown diebackRemove212White SprucePicea glauca12FGG2NeighbouringGuy wire girdling stemPreserve	199	Norway Spruce	Picea abies	18	G	F	FG	3	Subject property	Union in crown	Remove
202Norway SprucePicea abies22GGG3Subject propertyRemove203Green AshFraxinus pennsylvanica10GGG3NeighbouringRemove204Norway SprucePicea abies24GFG4Subject propertyUnion in crownRemove205White SprucePicea glauca15GGG2Subject propertyRemove206Norway SprucePicea abies22GGG3Subject propertyRemove207Norway SprucePicea abies24GGG3Subject propertyRope girdling stemRemove208White SprucePicea abies18GGG3Subject propertyRope girdling stemRemove209Norway SprucePicea abies18GGG3Subject propertyRemove210Norway SprucePicea abies18GFF2Subject property20% crown diebackRemove211Norway SprucePicea abies18GFF2Subject property20% crown diebackRemove212White SprucePicea glauca12FGG2NeighbouringGuy wire girdling stemPreserve	200	Norway Spruce	Picea abies	12	G	FG	FG	2	Subject property	Small crown - shading	Remove
Green Ash Fraxinus pennsylvanica 10 G G G 3 Neighbouring Remove Picea abies 24 G F G 4 Subject property Union in crown Remove Picea glauca 15 G G G G Subject property Union in crown Remove Picea glauca 15 G G G G Subject property Remove Picea abies 22 G G G G Subject property Remove Picea abies 24 G G G G Subject property Remove Picea abies 24 G G G G Subject property Remove Picea glauca 17 FG G G G Subject property Rope girdling stem Remove Picea abies 18 G G G Subject property Rope girdling stem Remove Picea abies 18 G G G Subject property Remove Picea abies 18 G G G Subject property Remove Picea abies 18 G G G Subject property Remove Picea abies 18 G G G Subject property Remove Picea abies 18 G G G Subject property Remove Picea abies 18 G G G Subject property Remove Picea abies 18 G G G Subject property Remove Picea abies 18 G G G Subject property Remove Picea abies 18 G G G Subject property Remove Picea abies 18 G G G Subject property Remove Picea abies 18 G G G Subject property Remove Picea abies 18 G G G Subject property Remove Picea abies 18 G G G Subject property Remove Picea abies 18 G G G Subject property Picea Blauca Preserve	201	Norway Spruce	Picea abies	25	G	FG	G	3	Subject property	Vertical scaffold limbs	Remove
204 Norway Spruce Picea abies 24 G F G 4 Subject property Union in crown Remove 205 White Spruce Picea abies 22 G G G G 3 Subject property Remove 206 Norway Spruce Picea abies 22 G G G G 3 Subject property Remove 207 Norway Spruce Picea abies 24 G G G G 3 Subject property Remove 208 White Spruce Picea abies 24 G G G G 3 Subject property Remove 209 Norway Spruce Picea abies 18 G G G G 3 Subject property Remove 210 Norway Spruce Picea abies 18 G G G G 3 Subject property Remove 210 Norway Spruce Picea abies 18 G G G G 3 Subject property Remove 211 Norway Spruce Picea abies 18 G G G G 3 Subject property Remove 212 White Spruce Picea abies 18 G G G G 3 Subject property Remove 213 Norway Spruce Picea abies 18 G G G G 3 Subject property Remove 214 Norway Spruce Picea abies 18 G G G G Subject property 20% crown dieback Remove 215 White Spruce Picea glauca 12 F G G G 2 Neighbouring Guy wire girdling stem Preserve	202	Norway Spruce	Picea abies	22	G	G	G	3	Subject property		Remove
White Spruce Picea glauca 15 G G G 2 Subject property Remove Picea abies 22 G G G G 3 Subject property Remove Picea abies 24 G G G G 3 Subject property Remove Picea abies 24 G G G G 3 Subject property Remove Picea glauca 17 FG G G G 3 Subject property Repeated Remove Picea abies 18 G G G G 3 Subject property Remove Picea abies 18 G G G G G G G G G G G G G G G G G G	203	Green Ash		10	G	G	G	3	Neighbouring		Remove
206Norway SprucePicea abies22GGG3Subject propertyRemove207Norway SprucePicea abies24GGG3Subject propertyRemove208White SprucePicea glauca17FGGG3Subject propertyRope girdling stemRemove209Norway SprucePicea abies18GGG3Subject propertyRemove210Norway SprucePicea abies18GGG3Subject propertyRemove211Norway SprucePicea abies18GFF2Subject property20% crown diebackRemove212White SprucePicea glauca12FGG2NeighbouringGuy wire girdling stemPreserve	204	Norway Spruce	Picea abies	24	G	F	G	4	Subject property	Union in crown	Remove
207Norway SprucePicea abies24GGG3Subject propertyRemove208White SprucePicea glauca17FGGG3Subject propertyRope girdling stemRemove209Norway SprucePicea abies18GGG3Subject propertyRemove210Norway SprucePicea abies18GGG3Subject propertyRemove211Norway SprucePicea abies18GFF2Subject property20% crown diebackRemove212White SprucePicea glauca12FGG2NeighbouringGuy wire girdling stemPreserve	205	White Spruce	Picea glauca	15	G	G	G	2	Subject property		Remove
White Spruce Picea glauca 17 FG G G 3 Subject property Rope girdling stem Remove Norway Spruce Picea abies 18 G G G 3 Subject property Remove Norway Spruce Picea abies 18 G G G 3 Subject property Remove Norway Spruce Picea abies 18 G G G 3 Subject property Remove Norway Spruce Picea abies 18 G F F 2 Subject property 20% crown dieback Remove White Spruce Picea glauca 12 F G G 2 Neighbouring Guy wire girdling stem Preserve	206	Norway Spruce	Picea abies	22	G	G	G	3	Subject property		Remove
209Norway SprucePicea abies18GGG3Subject propertyRemove210Norway SprucePicea abies18GGG3Subject propertyRemove211Norway SprucePicea abies18GFF2Subject property20% crown diebackRemove212White SprucePicea glauca12FGG2NeighbouringGuy wire girdling stemPreserve	207	Norway Spruce	Picea abies	24	G	G	G	3	Subject property		Remove
210Norway SprucePicea abies18GGG3Subject propertyRemove211Norway SprucePicea abies18GFF2Subject property20% crown diebackRemove212White SprucePicea glauca12FGG2NeighbouringGuy wire girdling stemPreserve	208	White Spruce	Picea glauca	17	FG	G	G	3	Subject property	Rope girdling stem	Remove
211Norway SprucePicea abies18GFF2Subject property20% crown diebackRemove212White SprucePicea glauca12FGG2NeighbouringGuy wire girdling stemPreserve	209	Norway Spruce	Picea abies	18	G	G	G	3	Subject property		Remove
212 White Spruce Picea glauca 12 F G G 2 Neighbouring Guy wire girdling stem Preserve	210	Norway Spruce	Picea abies	18	G	G	G	3	Subject property		Remove
	211	Norway Spruce	Picea abies	18	G	F	F	2	Subject property	20% crown dieback	Remove
213 Pin Oak Quercus palustris 28 G G G 3 Neighbouring Preserve	212	White Spruce	Picea glauca	12	F	G	G	2	Neighbouring	Guy wire girdling stem	Preserve
	213	Pin Oak	Quercus palustris	28	G	G	G	3	Neighbouring		Preserve

^{*}Based on GPS points taken on site.

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 infestation

~ Estimate



Tro-	on: <u>0 Pin Oak Dr, Niag</u> I		I				<u></u>	<u>ril 2022</u> Survey	ors: <u>JJJ</u>	<u> </u>
Tree #	Common Name	Scientific Name	DBH	TI	cs	CV	DL	Location*	Comments	Recon
2	White ⊟m Silver Maple	Ulmus americana Acer saccharinum	16 12	G G	G	G	3	Subject property Neighbouring		Remov Preserv
3	Silver Maple Green Ash	Acer saccharinum Fraxinus pennsylvanica	30 11	FG G	G G	G G	4 2	Subject property Neighbouring	Union at 1.6 m	Remove Preserv
5 6	Pear species Pin Oak	Pyrus sp. Quercus palustris	30 34	FG G	FG G	G G	3 5	Subject property Subject property	Union at 1.8 m	Remov
7	Bur Oak Green Ash	Quercus macrocarpa Fraxinus pennsylvanica	40	G	FG P	FG P	6	Subject property	Epicormic branching	Remov
9	Pear species	Pyrus sp.	19	G	G	G	4	Subject property Subject property	Peeling bark, epicormic branching, EAB infestation	Remov
10	Green Ash	Fraxinus pennsylvanica	23	Р	Ρ	Р	4	Subject property	Peeling bark, epicormic branching, 60% crow n dieback, EAB infestation	Remov
11 12	Silver Maple Pear species	Acer saccharinum Pyrus sp.	26, 19, 8 31	FG FG	FG G	G	4	Subject property Subject property	Union at 0.3 m Union at 0.4 m	Remov Remov
13 14	Pear species Pear species	Pyrus sp. Pyrus sp.	17, 12, 15 24, 21	FG FG	FG G	G G	3	Subject property Subject property	Union at ground Union at ground	Remov Remov
15 16	Pear species Pear species	Pyrus sp.	13	G	G	G	3	Subject property Subject property		Remov
17	Pear species	Pyrus sp. Pyrus sp.	24, 19, 13	G	G	G	3	Subject property	Union at ground	Remov
18 19	Pear species Apple species	Pyrus sp. Malus sp.	21 16	G	G	G	3	Subject property Subject property		Remov Remov
20	Apple species	Malus sp.	11, 11, 10, 11	FG	FG	G	3	Subject property	Unions at ground and 0.3 m	Remov
21	Black Cherry	Prunus serotina	10, 13, 12	F	PF	PF	3	Subject property	Union at ground with stem wounds, 12 cm stem dead, 30% crown dieback	Remov
22	Pear species	Pyrus sp.	14, 23, 12, 10, 7, 8, 8, 9,	F	FG F	G FG	5	Subject property	Unions at ground with included bark	Remov
23	Pear species Black Cherry	Pyrus sp. Prunus serotina	8 36	G	G	G	6	Subject property Subject property	Unions at ground and 0.3 m, epicormic branching	Remov
25 26	Pear species Pear species	Pyrus sp. Pyrus sp.	23, 16 16, 20	FG F	FG FG	G G	4	Subject property Subject property	Unions at ground and 1.5 m Unions at ground	Remov
27	Pear species	Pyrus sp.	21, 33, 24	FG	G	G	5	Subject property	Unions at ground and 0.3 m	Remov
28 29	Pear species Pear species	Pyrus sp. Pyrus sp.	23, 14 19	FG FG	FG G	G G	4	Subject property Subject property	Union at ground, epicormic branching Union at 1.5 m	Remov
30	Silver Maple	Acer saccharinum	12, 15, 12, 9, 8	F	FG	G	3	Subject property	Unions at ground	Remov
31 32	Pear species Eastern Cottonw ood	Pyrus sp. Populus deltoides	13, 17 24, 25	FG F	FG FG	G G	3 5	Subject property Subject property	Union at ground Union at 0.3 m	Remov
33 34	Eastern Cottonw ood Sw amp White Oak	Populus deltoides Quercus bicolor	52 10, 8, 22	FG FG	FG FG	G FG	9	Subject property Subject property	Union at base of crown Union at 0.2 m	Remov
35	Black Locust	Robinia pseudoacacia	16	G	G	G	3	Subject property		Remov
36 37	Black Locust Black Locust	Robinia pseudoacacia Robinia pseudoacacia	12 13	FG G	G G	G G	3	Subject property Subject property	Union at 1.8 m	Removi
38 39	Black Locust Black Locust	Robinia pseudoacacia Robinia pseudoacacia	11	F	G G	G G	3	Subject property Subject property	Sw eep	Remov
40 41	Black Locust Black Locust	Robinia pseudoacacia Robinia pseudoacacia	15 17	G G	G G	G G	3	Subject property Subject property	Grapevine competition	Remov
42	Black Locust	Robinia pseudoacacia	13	FG	G	G	3	Subject property	Crook	Remov
43 44	Black Locust Black Locust	Robinia pseudoacacia Robinia pseudoacacia	19 17, 17	G F	G FG	G G	4	Subject property Subject property	Union at 1 m, light sw eep	Remov
45 46	Black Locust Black Locust	Robinia pseudoacacia Robinia pseudoacacia	16 13	FG FG	G G	G G	3	Subject property Subject property	Union at 1.5 m Union at base of crown	Remove Remove
47 48	Black Locust Black Locust	Robinia pseudoacacia Robinia pseudoacacia	11 13	G G	G G	G G	3	Subject property Subject property		Remove
49	Black Locust	Robinia pseudoacacia	10	FG F	G	G	3	Subject property	Union at base of crown	Remove
50 51	Black Locust Black Locust	Robinia pseudoacacia Robinia pseudoacacia	10 24	G	G	G G	3 5	Subject property Subject property	Stem w ound	Remove
52 53	Black Locust Green Ash	Robinia pseudoacacia Fraxinus pennsylvanica	13, 13 20	FG P	G P	G P	4	Subject property Subject property	Union at 0.2 m Peeling bark, epicormic branching, EAB infestation	Remov
54 55	Black Locust Black Locust	Robinia pseudoacacia Robinia pseudoacacia	18 17	FG FG	G G	G G	4	Subject property Subject property	Lean Lean	Remov
56 57	Black Locust Black Locust	Robinia pseudoacacia Robinia pseudoacacia	17 17	FG G	G	G G	3	Subject property Subject property	Lean	Remov
58	Black Locust	Robinia pseudoacacia	11	FG	G	G	3	Subject property	Lean	Remov
59 60	Black Locust Black Locust	Robinia pseudoacacia Robinia pseudoacacia	12 21	FG G	G	G	3 4	Subject property Subject property	Lean Lean	Remov
61 62	Black Locust Black Locust	Robinia pseudoacacia Robinia pseudoacacia	21 20	F FG	G G	G G	4	Subject property Subject property	Crooks, stem wound Sweep	Remov
63 64	Black Locust Black Locust	Robinia pseudoacacia Robinia pseudoacacia	14 13, 19	FG F	G G	G G	4	Subject property Subject property	Lean Union at 0.3 m, sweep	Remov
65	Black Locust	Robinia pseudoacacia	15, 13	F	G	G	4	Subject property	Union at ground, lean	Remov
66 67	Black Locust Black Locust	Robinia pseudoacacia Robinia pseudoacacia	21 29, 19, 20	FG FG	G	G G	4 5	Subject property Subject property	Union at base of crow n Union at ground with included bark	Remove
68 69	Black Locust Black Locust	Robinia pseudoacacia Robinia pseudoacacia	63 17, 14	F	FG F	FG FG	7 5	Subject property Subject property	Union at 1 m w ith included bark and seams Union at ground, lean, sw eep	Remove
70 71	Silver Maple Red Oak	Acer saccharinum Quercus rubra	31, 31, 20 27, 30, 30	FG FG	FG G	G G	7	Subject property Subject property	Union at 0.3 m Unions at ground and 1.3 m	Remove
72	Eastern Cottonw ood	Populus deltoides	19	FG	G	G	3	Subject property	Sw ollen flare	Preserv
73 74	Eastern Cottonw ood Willow species	Populus deltoides Salix sp.	~35 ~13	G F	G FG	G G	3	Subject property Subject property	Lean	Preserv Preserv
75	Willow species	Salix sp.	13, 13, 14, 10	F	F	F	3	Subject property	Unions at ground, broken branches, poor form	Preserv
76 77	Black Cherry Eastern Cottonw ood	Prunus serotina Populus deltoides	17 35	G	G	G	4 5	Subject property Subject property		Remove Remove
78 79	Eastern Cottonw ood Willow species	Populus deltoides Salix sp.	12 15, 17	FG P	G P	G P	3	Subject property Subject property	Understorey - light lean Union at 0.3 m, 90% crown dieback	Remove
80	Bur Oak	Quercus macrocarpa	14, 9	FG	FG	G	3	Subject property	Union at 0.5 m	Remov
81 82	White Elm Eastern Cottonw ood	Ulmus americana Populus deltoides	12 11	G FG	G FG	G	3	Subject property Subject property	Lean w est, understorey	Remov
83 84	Eastern Cottonw ood Eastern Cottonw ood	Populus deltoides Populus deltoides	16 17	G FG	G FG	G FG	3	Subject property Subject property	10% crown dieback, stemwound	Remov
85 86	Eastern Cottonw ood Eastern Cottonw ood	Populus deltoides Populus deltoides	12 36, 25	F FG	F G	F G	2	Subject property Subject property	Canker Union at 0.5 m	Remov
87	Eastern Cottonw ood	Populus deltoides	10	G	G	G	2	Subject property		Remov
88 89	White ⊟m Green Ash	Ulmus americana Fraxinus pennsylvanica	11	G F	G F	G F	2	Subject property Subject property	EAB infestation	Remov
90	Silver Maple	Acer saccharinum	32, 23, 17, 11, 10, 13,	F	FG	G	7	Subject property	Union at ground	Remove
91	Silver Maple	Acer saccharinum	20	G	G	G	5	Subject property		Remove
92 93	Eastern Cottonw ood Willow species	Populus deltoides Salix sp.	35, 29 25	FG F	G PF	G PF	5 1	Subject property Subject property	Union at 0.3 m Grow th deficit at flare, top of crow n dead	Remove Remove
94	Green Ash	Fraxinus pennsylvanica	21 13, 14, 15,	P	P _	Р	5	Subject property	Peeling bark, EAB infestation	Remove
95	Apple sp	Malus sp.	23	F	F	FG	4	Subject property	Unions at ground, epicormic branching Unions at ground and 1 m, epicormic branching, lean	Remove
96	Apple sp	Malus sp.	12, 12, 8	F	FG	FG	3	Subject property	southeast	Remov
97 98	Green Ash	Fraxinus pennsylvanica Fraxinus pennsylvanica	16	P P	P P	P P	2	Subject property Subject property	Epicormic branching, EAB infestation Stemwounds, peeling bark, EAB infestation	Remove
99 100	White ⊟m Green Ash	Ulmus americana Fraxinus pennsylvanica	10 18	G P	G P	G P	3 4	Subject property Subject property	Union at 1.5 m, EAB infestation	Remov
101 102	White Oak Red Oak	Quercus alba Quercus rubra	31 18, 18	G F	G FG	G G	5 4	Subject property Subject property	Union at ground with included bark	Preserv
103	Red Oak	Quercus rubra	15	G	G	G	4	Subject property		Remove
104 105	Red Oak White &m	Quercus rubra Ulmus americana	83, 11, 17, 9 14	F G	FG G	G G	11 3	Subject property Subject property	Unions at ground and 1.5 m	Remove Remove
106	Trembling Aspen Trembling Aspen	Populus tremuloides Populus tremuloides	16 29	FG G	FG G	FG G	3	Subject property Subject property	Sw eep, crook	Remove
107	and the second second				<u> </u>	<u> </u>	<u> </u>	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1	
	Green Ash	Fraxinus pennsylvanica	13	Р	Р	Р	2	Subject property	Epicormic branching, stem wounds, EAB infestation	Remove
107		Fraxinus pennsylvanica Populus tremuloides Populus tremuloides	13 18 19	P G G	P G G	P G G	3 4	Subject property Subject property Subject property	Epicormic branching, stem wounds, EAB infestation	Remove Remove

Tree #	Common Name	Scientific Name	DBH	ті	cs	cv	DL	Location*	Comments	Reco
113 114	White ⊟m Red Oak	Ulmus americana Quercus rubra	11 60,22	G G	G G	G G	3 10	Subject property Subject property	Union at 1 m w ith included bark	Remo
115	White ⊟m	Ulmus americana	12	F	F	FG	4	Subject property	Bow ed east - understorey	Remo
116 117	Red Oak Red Oak	Quercus rubra Quercus rubra	22 33	F	G	G	8	Subject property Subject property	Stem w ound at flare w ith heart rot Cavity at flare w ith heart rot	Remo
118 119	Sugar Maple Pin Oak	Acer saccharum Quercus palustris	7, 11, 21 17	F	F	G P	4	Subject property Subject property	Unions at ground and 0.5 m, diseased Poor form, 50% crown dieback	Remo
120	Bassw ood	Tilia americana	17	F	F	F	4	Subject property	Bow ed w est, understorey	Remo
121 122	Red Oak Pear species	Quercus rubra Pyrus sp.	30 14	G PF	G FG	G FG	6	Subject property Subject property	Branch galls Union at 1.8 m, heavy sw eep	Remo
123 124	Red Oak Bur Oak	Quercus rubra Quercus macrocarpa	10 12	G G	G G	G G	3	Subject property Subject property		Remo
125	Green Ash	Fraxinus pennsylvanica	12	P	P	P	3	Subject property	Peeling bark, 90% crown dieback, EAB infestation	Remo
126	Pin Oak	Quercus palustris	39	G	G	G	5	Subject property	Top of crown dead - 20% crown dieback	Prese
127	Red Oak Pear species	Quercus rubra Pyrus sp.	14 24, 18	FG F	F	F	3	Subject property Subject property	understorey Union at 1.1 m, epicormic branching, understorey	Remo
129	Shagbark Hickory	Carya ovata	21	G	FG	G	4	Subject property	Understorey	Remo
130 131	Bassw ood Black Cherry	Tilia americana Prunus serotina	13 12	FG F	FG F	G F	4	Subject property Subject property	Bow ed east, understorey Sw eep, bow ed east	Remo
132	Shagbark Hickory	Carya ovata	31	G	G	G	4	Subject property	C. Copi and C. Cop	Remo
133 134	White ⊟m White ⊟m	Ulmus americana Ulmus americana	13 11	G	G	G	3	Subject property Subject property		Remo
135 136	White ⊟m White ⊟m	Ulmus americana Ulmus americana	16 22	G G	G G	G G	3	Subject property		Remo
137	Green Ash	Fraxinus pennsylvanica	14	Р	Р	Р	2	Subject property Subject property	90% crown dieback, epicormic branching, peeling	Remo
138	Pin Oak	Quercus palustris	36	G	G	G	7	Subject property	bark, EAB infestation	Remo
139	Green Ash	Fraxinus pennsylvanica	16	Р	P	Р	4	Subject property	Peeling bark, EAB infestation	Remo
140 141	Apple species Pear species	Malus sp. Pyrus sp.	21 20	F G	FG G	G	3	Subject property Subject property	Lean east	Remo
142 143	Green Ash	Fraxinus pennsylvanica	19 22	P FG	P FG	P FG	3	Subject property	Peeling bark, EAB infestation	Remo
143	Pear species Pear species	Pyrus sp. Pyrus sp.	16	G	G	G	3	Subject property Subject property	Epicormic branching	Remo
145 146	White Oak White ⊟m	Quercus alba Ulmus americana	36 12	G G	G G	G	6 3	Subject property Boundary		Remo
147	Pin Oak	Quercus palustris	24	G	G	G	4	Neighbouring	Branch galls	Remo
148 149	Pin Oak Pin Oak	Quercus palustris Quercus palustris	15 19	G	G G	G	4	Neighbouring Neighbouring		Prese Prese
150	Pear species	Pyrus sp.	13	F	FG	G	2	Subject property	Crook	Remo
151 152	Pear species Red Oak	Pyrus sp. Quercus rubra	14 27	PF G	F G	F G	5	Subject property Subject property	Heavy lean east	Remo
153	Pin Oak	Quercus palustris	33	G	G	G	4	Subject property	Union of 0.5 m	Remo
154 155	Sw amp White Oak Pin Oak	Quercus bicolor Quercus palustris	19, 10 35	FG G	G	G	3 5	Subject property Subject property	Union at 0.5 m	Remo
156 157	Pear species Eastern Cottonwood	Pyrus sp. Populus deltoides	24, 20 33	FG G	FG G	G G	3 5	Subject property Neighbouring	Union at 1.6 m	Remo
158	Green Ash	Fraxinus pennsylvanica	20	P	P	P	3	Neighbouring	Peeling bark, epicormic branching, EAB infestation	Remo
159	Eastern Cottonwood	Populus deltoides	62	G	G	G	8	Subject property	Union at 0.3 m, heavy stem wound with heart rot, top	Remo
	Bur Oak	Quercus macrocarpa	36, 20	PF	PF	PF	5	Boundary	of crown missing	Remo
161 162	Pin Oak Pin Oak	Quercus palustris Quercus palustris	10, 14 25	FG G	FG G	G	3 5	Boundary Neighbouring	Union at ground	Remo
163 164	Pin Oak Pin Oak	Quercus palustris Quercus palustris	31 10	F	FG G	G	5 4	Neighbouring Subject property	Union in crow n Oak branch gall	Remo
165	Shagbark Hickory	Carya ovata	13	G	G	G	2	Subject property	Can Brahoff gail	Remo
166 167	Shagbark Hickory Shagbark Hickory	Carya ovata Carya ovata	12 14	G	G	G	2	Subject property Subject property		Remo
168	Shagbark Hickory	Carya ovata	10	G	G	G	2	Subject property		Remo
169 170	Shagbark Hickory Shagbark Hickory	Carya ovata Carya ovata	16 22	G	G	G	3 5	Boundary Boundary		Rem
171	Pear species	Pyrus sp. Carya ovata	24	FG G	FG	G	4	Boundary	Union at 2.2 m, spiral grain	Rem
172 173	Shagbark Hickory Shagbark Hickory	Carya ovata	13 22	G	G	G	4	Boundary Neighbouring		Rem Prese
174 175	Shagbark Hickory Bur Oak	Carya ovata Quercus macrocarpa	35 41	G	G G	G	6 5	Boundary Boundary		Remo
176	Red Oak	Quercus rubra	24, 30, 24	F	F	FG	7	Boundary	Union at ground with 1 failed stem, 1 stem bowed	Remo
177	Shagbark Hickory	Carya ovata	29	G	G	G	5	Neighbouring	north	Prese
178 179	Pin Oak Green Ash	Quercus palustris Fraxinus pennsylvanica	17 12	G P	G P	G P	4	Neighbouring Neighbouring	Branch gall EAB infestation	Remo
180	Sw amp White Oak	Quercus bicolor	15	G	G	G	3	Neighbouring	LAD III estation	Prese
181 182	Shagbark Hickory Pin Oak	Carya ovata Quercus palustris	21 46	FG G	G G	G	7	Neighbouring Neighbouring	Girdling roots from adjacent tree	Prese Prese
183	Willow species	Salix sp.	13, 12, 15	F	FG	G	3	Subject property	Union at 0.3 m, w oody debris piled in rootzone	Prese
184	Norw ay Spruce	Picea abies	28	G	G	G	4	Subject property	against trunk	Remo
185 186	White ⊟m White ⊟m	Ulmus americana Ulmus americana	16 29, 22, 14	G F	G FG	G	2	Neighbouring Neighbouring	Unions at 0.4 and 1.3 m	Prese Prese
187	White Spruce	Picea glauca	24	G	G	G	4	Neighbouring	Simple de C. Falla I.O III	Remo
188 189	White Spruce White Spruce	Picea glauca Picea glauca	20 29	G	G G	G	4	Neighbouring Neighbouring		Remo
190	White Spruce	Picea glauca	22	G	FG	G	3	Neighbouring	Crook	Rem
191 192	White Spruce Norw ay Spruce	Picea glauca Picea abies	35 17	G	G FG	G	5 3	Subject property Subject property	Union in crow n	Rem Rem
193	Norw ay Spruce	Picea abies	22	G	FG	G	4	Subject property	Union in crow n	Rem
194 195	Norw ay Spruce Norw ay Spruce	Picea abies Picea abies	18 26	G	G FG	G	3 4	Subject property Subject property	Vertical scaffold limbs	Rem
196 197	Norw ay Spruce Norw ay Spruce	Picea abies Picea abies	22 31	G	F	G FG	4	Subject property Subject property	Union in crow n Union in crow n	Rem
198	Norw ay Spruce	Picea abies	18	G	FG	G	3	Subject property	Vertical scaffold limbs	Rem
199 200	Norw ay Spruce Norw ay Spruce	Picea abies Picea abies	18 12	G	F FG	FG FG	3	Subject property Subject property	Union in crow n Small crow n - shading	Rem Rem
201	Norw ay Spruce	Picea abies	25	G	FG	G	3	Subject property	Vertical scaffold limbs	Rem
202	Norw ay Spruce Green Ash	Picea abies Fraxinus pennsylvanica	22 10	G	G G	G	3	Subject property Neighbouring		Rem Rem
204	Norw ay Spruce	Picea abies	24	G	F	G	4	Subject property	Union in crow n	Rem
205 206	White Spruce Norw ay Spruce	Picea glauca Picea abies	15 22	G	G G	G	3	Subject property Subject property		Rem
207	Norw ay Spruce	Picea abies	24 17	G FG	G	G	3	Subject property	Page girdling stom	Remo
209	White Spruce Norw ay Spruce	Picea glauca Picea abies	18	G	G G	G	3	Subject property Subject property	Rope girdling stem	Remo
210 211	Norw ay Spruce Norw ay Spruce	Picea abies Picea abies	18 18	G G	G F	G F	3	Subject property Subject property	20% crown dieback	Remo
212	White Spruce	Picea glauca	12	F	G	G	2	Neighbouring	Guy wire girdling stem	Prese
-	Pin Oak on GPS points taken on	Quercus palustris	28	G	G	G	3	Neighbouring		Prese
TI CS CV DL	Table Le Diameter at Breast Heigh Trunk Integrity (G, F, P) Crown Structure (G, F, I) Crown Vigor (G, F, P) Dripline (m) Recommendation (prese	-it (cm) -?)								
Recom.	Recommendation (prese Good Fair Poor	rve/remove)								

NOTES: 1.THIS DETAIL DOES NOT REPRESENT ANY PARTICULAR TREE **SPECIES** (Or at Distance Specified on the Tree Preservation Plan) 2. NO CONSTRUCTION ACTIVITY. GRADE CHANGE, SURFACE TREE PROTECTION TREATMENT, BARRIER TO CONSIST COMPACTION, **EXCAVATION OR ORANGE SNOW** STOCKPILING OF ANY **FENCE** KIND IS PERMITTED - PLACED ON METAL WITHIN THE T-BARS AT 3 METRE CENTRES. PROTECTED AREA. T-BARS TYP. 3000 mm MAXIMUM

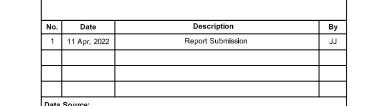
> STANDARD TREE PRESERVATION PLAN NOTES
>
> Prior to site disturbance the owner must confirm that no migratory birds are making use of the site for nesting. The owner must ensure that the works are in conformance with the Migratory Bird Convention Act and that no migratory bird nests will be impacted 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 orange snow fencing. All supports and bracing to safely secure the barrier should be outside the TPZ. STANDARD TREE PRESERVATION PLAN NOTES

LEGEND

fencing. 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.





0 Pin Oak Drive Niagara Falls, ON

Penta Properties Inc. 4480 Paletta Court

Tree Preservation Plan

Burlington, ON L7P 5R2

Project# P296

Date 11 April 2022 Scale N.T.S.