



JACKSON ARBORICULTURE INC.

CONSULTING AND GIS ANALYSIS
118 Pleasant Ridge Road, Brantford ON, N3R 0B8
905-512-6303, jeremy@jacksonarbor.ca

Tree Inventory and Preservation Plan Report

Subject Property:

436 & 440 Ridge Road North
Fort Erie, ON

Prepared For:

2855546 Ontario Inc.
10 Wilfrid Laurier Crescent
St. Catharines, ON L5G 5Z5

Prepared By:

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

20 July 2022

Jackson Arboriculture Inc. Project No. P322

1.0 Introduction

Jackson Arboriculture Inc. was retained by 2855546 Ontario Ltd. to complete a Tree Inventory and Preservation Plan report for a property situated at 436 and 440 Ridge Road North in the Town of Fort Erie, Ontario, hereby referred to as the subject property. It is understood that a development application will be filed with the Town for the redevelopment of the property.

The following study has been completed in accordance with the Town of Fort Erie's Site Plan Control Processing Guidelines.

2.0 Methodology

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

2.1 Tree Inventory

A site visit was conducted on the 15th of July 2022 to complete the tree inventory. All trees 10 cm in diameter and larger situated on subject property, on neighbouring property within 6 m and within the road allowance 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 corresponding to the tree inventory (Table 1) 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 good, fair or poor. The condition ratings are based on the signs, symptoms and defects exhibited by each tree, considering the surroundings in which it is growing.
- **Dripline:** The distance from the trunk to the tips of the live branches.
- **Location:** The property where the tree is situated, based on the topographic survey.
- **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 results of the impact assessment.

The trees included in the inventory were identified with numbers 1-149 and were located using the topographic survey provided and a tablet computer with a GPS chip.

Where many trees are situated in close proximity to each other and were not located individually on the topographic survey, they were inventoried as a group called a “tree polygon”. Tree polygons are identified with the letter “P” prefix prior to the tree number (i.e. P27). All trees 10 cm in diameter and larger situated within a tree polygon were tallied utilizing the following parameters:

Species: Common and scientific species names.

Size Class: Trunk diameter classes 10-19 cm, 20-29 cm, 30-39 cm, 40-49 cm, etc.

Condition: Tree health classified as either Good, Fair or Poor.

Refer to Appendix A for the complete tree polygon tally sheet.

2.2 Impact Assessment

A tree preservation analysis was completed on each tree included in the inventory 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 and branches conflict with machinery during pre-grading and construction.

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

3.0 Existing Conditions

The subject property is currently occupied by two single family dwellings, a garage, manicured lawn and scattered tree resources. The property is bound by residential and commercial development to the north, residential development to the east, vacant land to the south and residential development and Ridge Road North to the west.

4.0 Tree Inventory Results

The results of the tree inventory indicate that a total of 148 trees and 1 tree polygon reside on subject property, on neighbouring property within 6 m and within the road allowance. The trees included in the inventory appear to be comprised of naturally occurring trees and landscape plantings.

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

- Norway Maple (*Acer platanoides*),
- Sugar Maple (*Acer saccharum*),
- Willow species (*Salix sp.*),
- Black Walnut (*Juglans nigra*),
- Manitoba Maple (*Acer negundo*),
- Green Ash (*Fraxinus pennsylvanica*),
- Bitternut Hickory (*Carya cordiformis*),
- Basswood (*Tilia americana*),
- Apple species (*Malus sp.*),
- Black Cherry (*Prunus serotina*),

- Red Oak (*Quercus rubra*),
- Silver Maple (*Acer saccharinum*),
- White Pine (*Pinus strobus*),
- Northern Catalpa (*Catalpa speciosa*),
- Trembling Aspen (*Populus tremuloides*),
- Eastern White Cedar (*Thuja occidentalis*),
- White Spruce (*Picea glauca*),
- Balsam Fir (*Abies balsamea*),
- Freeman's Maple (*Acer x freemanii*) and
- Hybrid Butternut (*Juglans x*).

No rare, threatened or endangered tree species were documented in the tree inventory. One hybrid Butternut was identified in the tree inventory, however, hybrid Butternut are not regulated by the Endangered Species Act. Refer to Table 1 for the complete tree inventory, Appendix A for the tree polygon tally sheet and Sheet 1 for the tree locations.

5.0 Proposed Development

The proposed development is comprised of an apartment building/townhouse complex with covered asphalt parking. Access to the development is proposed from Ridge Road North in the form of a private road.

6.0 Discussion

The following sections discuss the tree removal requirements, tree preservation opportunities and tree preservation recommendations based on the results of the impact assessment.

6.1 Tree Removal

The removal of the following trees will be required to accommodate the proposed development:

- 1, 2, 16, 23-25, P27-30, 36, 39, 41-81, 83-98, 102-106, 111-114, 128 and 131-145.

Trees 28-30, 39, 56, 60, 80-83, 94-97, 103 and 142 appear to reside partially or fully on neighbouring property. Permission from the respective property owner will be required prior to their removal.

6.2 Tree Preservation

Pending the review of detailed grading plans, the preservation of the following trees will be possible with the use of appropriate tree protection measures:

- 3-15, 17-22, 26, 31-35, 37, 38, 40, 82, 99-101, 107-110, 115-127, 129, 130 and 146-149.

Encroachment within the driplines of Trees 4, 19-21, 31-35, 99-101, 116 and 146-148 will be required to accommodate the proposed development. If any roots are exposed during construction (earthworks/excavation), they must be pruned by a Certified Arborist in accordance with good arboricultural practice.

Heavy encroachment within the driplines of Trees 26 and 149 will be required to accommodate the proposed development. Prior to excavation/earthworks, the encroachment area must be excavated using gentle air spade methods to expose any roots that conflict with development. If any roots are exposed they must be pruned by a Certified Arborist in accordance with good arboricultural practice. The air spading must be completed or supervised by a Certified Arborist to ensure that tree roots are not damaged by the excavation.

Tree protection fence must be installed at the dripline unless noted otherwise in this report and on Sheet 1. Tree protection fence must be installed prior to the commencement of demolition to ensure that the trees identified for preservation are not impacted by the proposed development. Refer to Sheet 1 for the prescribed tree protection fence locations, additional tree protection plan notes and the tree protection fencing detail.

6.3 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 locations outlined on Sheet 1 prior to the commencement of demolition, unless noted otherwise in this report and on Sheet 1.
- 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 unless noted otherwise in this report and on Sheet 1.
- Excavation within the dripline of Trees 26 and 149 must be completed using air spade methods to gently expose any roots that conflict with development.
- 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.

7.0 Summary

Jackson Arboriculture Inc. was retained by 2855546 Ontario Ltd. to complete a Tree Inventory and Preservation Plan report for a property situated at 436 and 440 Ridge Road North in the Town of Fort Erie, Ontario. 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 148 trees and 1 tree polygon situated on subject property, in the road allowance and on neighbouring property within 6 m. The results of the impact analysis indicate that the removal of 93 trees and 1 tree polygon will be required to accommodate the proposed development. Including the trees situated within the tree polygon, the removal of a total of 140 trees 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 or group of trees or their component parts in all 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: 440 & 436 Ridge Rd. N., Fort Erie

Date: 15 July 2022 Surveyors: JJJ

Tree #	Common Name	Scientific Name	DBH	TI	CS	CV	DL	Location	Comments	Recom.
1	Norway Maple	<i>Acer platanoides</i>	43	G	G	G	5	Subject Property		Remove
2	Sugar Maple	<i>Acer saccharum</i>	62	G	FG	G	8	Subject Property	Pruning wounds for hydro	Remove
3	Willow species	<i>Salix sp.</i>	20	FG	FG	G	3	Neighbouring	Union at 1.5 m	Preserve
4	Sugar Maple	<i>Acer saccharum</i>	63	G	F	F	7	Neighbouring	20% crown dieback	Preserve
5	Black Walnut	<i>Juglans nigra</i>	34	G	G	G	5	Neighbouring		Preserve
6	Manitoba Maple	<i>Acer negundo</i>	32	FG	G	FG	5	Neighbouring	Epicormic branching	Preserve
7	Black Walnut	<i>Juglans nigra</i>	34	G	G	G	6	Neighbouring		Preserve
8	Sugar Maple	<i>Acer saccharum</i>	19	F	P	P	2	Neighbouring	Stem wound, 50% crown dieback	Preserve
9	Black Walnut	<i>Juglans nigra</i>	36	G	G	G	5	Neighbouring		Preserve
10	Green Ash	<i>Fraxinus pennsylvanica</i>	24	P	P	P	3	Neighbouring	Peeling bark, epicormic branching, 80% crown dieback, EAB infestation	Preserve
11	Black Walnut	<i>Juglans nigra</i>	20	FG	G	G	4	Neighbouring	Union at 1.5 m	Preserve
12	Bitternut Hickory	<i>Carya cordiformis</i>	14, 12	FG	G	G	4	Neighbouring	Union at 0.3	Preserve
13	Black Walnut	<i>Juglans nigra</i>	15	G	G	G	4	Neighbouring		Preserve
14	Basswood	<i>Tilia americana</i>	~50, 20, 25, 14, 15	F	F	F	6	Neighbouring	Unions at ground, cavity	Preserve
15	Sugar Maple	<i>Acer saccharum</i>	13	G	G	G	3	Neighbouring		Preserve
16	Black Walnut	<i>Juglans nigra</i>	13	G	G	G	4	Subject Property		Remove
17	Sugar Maple	<i>Acer saccharum</i>	~18	G	G	G	3	Neighbouring		Preserve
18	Apple species	<i>Malus sp.</i>	~25, 20	G	G	G	4	Neighbouring	Union at 1 m	Preserve
19	Black Cherry	<i>Prunus serotina</i>	29, 29	F	F	F	7	Neighbouring	Union at ground, heavy bow/lean south, 20% crown dieback	Preserve
20	Black Cherry	<i>Prunus serotina</i>	36, 49, 40	F	FG	FG	6	Neighbouring	Union at ground with light stem rot	Preserve
21	Black Cherry	<i>Prunus serotina</i>	36, 43	F	G	G	6	Neighbouring	Union at ground	Preserve
22	Black Cherry	<i>Prunus serotina</i>	~55	P	F	F	4	Neighbouring	heavy stem wound with dry rot	Preserve
23	Manitoba Maple	<i>Acer negundo</i>	13, 12	PF	F	F	4	Subject Property	Union at 1 m, stem dead	Remove
24	Black Cherry	<i>Prunus serotina</i>	~20	G	G	G	4	Subject Property		Remove
25	Black Walnut	<i>Juglans nigra</i>	13	G	G	G	3	Subject Property		Remove
26	Red Oak	<i>Quercus rubra</i>	~75	G	G	G	10	Neighbouring	Pruning wound	Preserve
P27	Refer to Appendix A for Tally Sheet							Subject Property		Remove
28	Black Walnut	<i>Juglans nigra</i>	~75	G	G	G	8	Neighbouring		Remove
29	Basswood	<i>Tilia americana</i>	~35, 15	FG	G		6	Neighbouring		Remove
30	Black Walnut	<i>Juglans nigra</i>	~25	G	G	G	4	Neighbouring	Understorey	Remove
31	Black Walnut	<i>Juglans nigra</i>	~45	G	G	G	5	Neighbouring		Preserve
32	Black Walnut	<i>Juglans nigra</i>	~10	G	F	FG	3	Neighbouring	Understorey	Preserve
33	Silver Maple	<i>Acer saccharinum</i>	~55, 25, 40	F	FG	G	6	Neighbouring	Union at 1.2 m	Preserve
34	Norway Maple	<i>Acer platanoides</i>	~20	G	FG	G	4	Neighbouring	Understorey	Preserve
35	Norway Spruce	<i>Picea abies</i>	~30	G	G	G	4	Neighbouring		Preserve
36	Black Cherry	<i>Prunus serotina</i>	~25	G	FG	G	3	Boundary	Broken branches	Remove
37	Silver Maple	<i>Acer saccharinum</i>	~65	FG	FG	G	7	Neighbouring	Pruning wounds	Preserve
38	White Pine	<i>Pinus strobus</i>	~12	G	G	G	3	Neighbouring		Preserve

Tree #	Common Name	Scientific Name	DBH	TI	CS	CV	DL	Location	Comments	Recom.
39	White Pine	<i>Pinus strobus</i>	~28	G	G	G	4	Neighbouring		Remove
40	Northern Catalpa	<i>Catalpa speciosa</i>	~30	G	G	G	4	Neighbouring		Preserve
41	Sugar Maple	<i>Acer saccharum</i>	~75	F	FG	G	8	Boundary	Stem wound	Remove
42	Sugar Maple	<i>Acer saccharum</i>	80	G	G	G	9	Subject Property		Remove
43	Green Ash	<i>Fraxinus pennsylvanica</i>	~10	G	G	G	2	Boundary		Remove
44	Black Walnut	<i>Juglans nigra</i>	~17	G	G	G	3	Boundary		Remove
45	Northern Catalpa	<i>Catalpa speciosa</i>	10	G	FG	FG	2	Boundary	Understorey	Remove
46	Black Walnut	<i>Juglans nigra</i>	~25	F	G	G	4	Boundary	Included wire fence	Remove
47	Black Walnut	<i>Juglans nigra</i>	~18	G	G	G	4	Boundary		Remove
48	Black Walnut	<i>Juglans nigra</i>	41	G	G	G	6	Subject Property		Remove
49	Black Walnut	<i>Juglans nigra</i>	31	G	G	G	6	Subject Property		Remove
50	Black Walnut	<i>Juglans nigra</i>	28	G	FG	G	5	Subject Property	Understorey	Remove
51	Black Walnut	<i>Juglans nigra</i>	30	F	G	G	5	Boundary	Included wire fence	Remove
52	Black Walnut	<i>Juglans nigra</i>	11	G	G	G	3	Subject Property		Remove
53	Black Walnut	<i>Juglans nigra</i>	35	G	G	G	8	Subject Property		Remove
54	Norway Maple	<i>Acer platanoides</i>	18	G	G	G	3	Subject Property		Remove
55	Black Walnut	<i>Juglans nigra</i>	48	FG	G	G	8	Subject Property	Union at 2 m	Remove
56	Black Walnut	<i>Juglans nigra</i>	52	G	G	G	8	Neighbouring		Remove
57	Black Walnut	<i>Juglans nigra</i>	~65	F	G	G	8	Boundary	Included wire fence	Remove
58	Black Walnut	<i>Juglans nigra</i>	11	G	G	G	3	Subject Property		Remove
59	Black Walnut	<i>Juglans nigra</i>	19	G	G	G	5	Boundary		Remove
60	Manitoba Maple	<i>Acer negundo</i>	~25, 25	F	F	F	5	Neighbouring	Union at ground, lean south, 20% crown dieback	Remove
61	Black Walnut	<i>Juglans nigra</i>	15	F	G	G	4	Subject Property	Heavy sweep	Remove
62	Black Walnut	<i>Juglans nigra</i>	11	G	G	G	4	Subject Property		Remove
63	Black Walnut	<i>Juglans nigra</i>	12	G	G	G	3	Subject Property		Remove
64	Black Walnut	<i>Juglans nigra</i>	10	G	G	G	3	Subject Property		Remove
65	Black Walnut	<i>Juglans nigra</i>	14	G	G	G	4	Subject Property		Remove
66	Black Walnut	<i>Juglans nigra</i>	12	G	G	G	3	Subject Property		Remove
67	Black Walnut	<i>Juglans nigra</i>	12	G	G	G	3	Subject Property		Remove
68	Black Walnut	<i>Juglans nigra</i>	12	G	G	G	3	Subject Property		Remove
69	Trembling Aspen	<i>Populus tremuloides</i>	12	G	G	G	2	Subject Property		Remove
70	Manitoba Maple	<i>Acer negundo</i>	12, 11	F	F	FG	3	Subject Property	Union at ground, epicormic branching, growing out of concrete foundation	Remove
71	Norway Maple	<i>Acer platanoides</i>	11	G	G	G	3	Subject Property	Growing out of concrete foundation	Remove
72	Manitoba Maple	<i>Acer negundo</i>	14	G	G	G	4	Subject Property		Remove
73	Manitoba Maple	<i>Acer negundo</i>	11	F	P	P	1	Subject Property	60% crown dieback	Remove
74	Black Walnut	<i>Juglans nigra</i>	14	G	G	G	3	Subject Property		Remove
75	Black Walnut	<i>Juglans nigra</i>	14	G	G	G	3	Subject Property		Remove
76	Eastern White Cedar	<i>Thuja occidentalis</i>	19	F	FG	FG	3	Subject Property	Stem wound	Remove
77	Manitoba Maple	<i>Acer negundo</i>	34	F	PF	PF	5	Subject Property	Stem wound from failed stem at flare, 30% crown dieback	Remove
78	Manitoba Maple	<i>Acer negundo</i>	14	F	P	P	1	Subject Property	Top of crown failed, epicormic branching	Remove
79	Black Walnut	<i>Juglans nigra</i>	42	FG	G	G	8	Subject Property	Light crook	Remove

Tree #	Common Name	Scientific Name	DBH	TI	CS	CV	DL	Location	Comments	Recom.
80	Norway Maple	<i>Acer platanoides</i>	39	G	F	F	6	Neighbouring	Broken branches, 20% crown dieback	Remove
81	Black Walnut	<i>Juglans nigra</i>	30	F	G	G	8	Neighbouring	Included wire fence	Remove
82	Black Walnut	<i>Juglans nigra</i>	~25	G	G	G	5	Neighbouring	Light lean	Preserve
83	Sweet Cherry	<i>Prunus avium</i>	28	G	FG	FG	4	Neighbouring	Top of crown dead - 10% crown dieback	Remove
84	Manitoba Maple	<i>Acer negundo</i>	~45, 1	F	F	F	7	Boundary	Union at ground with stem rot, included wire fence, lean, 10% crown dieback	Remove
85	Eastern White Cedar	<i>Thuja occidentalis</i>	26	G	FG	FG	3	Subject Property	Top of crown failed	Remove
86	White Spruce	<i>Picea glauca</i>	47	G	G	G	4	Subject Property		Remove
87	White Spruce	<i>Picea glauca</i>	36	G	G	G	4	Subject Property		Remove
88	White Spruce	<i>Picea glauca</i>	44	G	G	G	4	Subject Property		Remove
89	White Pine	<i>Pinus strobus</i>	52	G	G	G	7	Subject Property		Remove
90	Eastern White Cedar	<i>Thuja occidentalis</i>	12	F	F	F	2	Subject Property	Union at 1.5 m, understory	Remove
91	Eastern White Cedar	<i>Thuja occidentalis</i>	17	G	G	G	3	Subject Property		Remove
92	Eastern White Cedar	<i>Thuja occidentalis</i>	30	G	G	G	3	Subject Property		Remove
93	Black Walnut	<i>Juglans nigra</i>	19	G	G	G	4	Subject Property		Remove
94	Black Walnut	<i>Juglans nigra</i>	~25	G	G	G	5	Neighbouring		Remove
95	Black Cherry	<i>Prunus serotina</i>	~14	G	G	FG	4	Neighbouring		Remove
96	Norway Maple	<i>Acer platanoides</i>	~25	G	G	G	5	Neighbouring		Remove
97	Manitoba Maple	<i>Acer negundo</i>	~18	P	PF	PF	6	Neighbouring	Failed and lying on fence	Remove
98	Norway Maple	<i>Acer platanoides</i>	~15	G	G	G	4	Boundary		Remove
99	Norway Maple	<i>Acer platanoides</i>	~15, 19	FG	FG	G	4	Neighbouring	Union at ground	Preserve
100	Norway Maple	<i>Acer platanoides</i>	~19, 14	FG	FG	G	4	Neighbouring		Preserve
101	Black Walnut	<i>Juglans nigra</i>	12	G	G	G	3	Neighbouring		Preserve
102	Black Walnut	<i>Juglans nigra</i>	28	F	G	G	5	Boundary	Stem wound from top fence pipe	Remove
103	Black Walnut	<i>Juglans nigra</i>	14	G	G	G	3	Neighbouring		Remove
104	Norway Maple	<i>Acer platanoides</i>	19, 22	F	FG	G	5	Boundary	Unions at 0.3 and 1.5 m, included wire fence	Remove
105	Black Walnut	<i>Juglans nigra</i>	41	F	G	G	7	Boundary	Included wire fence and top pipe	Remove
106	Black Walnut	<i>Juglans nigra</i>	30	G	G	G	6	Subject Property		Remove
107	Black Walnut	<i>Juglans nigra</i>	~12	G	G	G	3	Neighbouring		Preserve
108	Black Walnut	<i>Juglans nigra</i>	~12	G	G	G	3	Neighbouring		Preserve
109	Black Walnut	<i>Juglans nigra</i>	~11	G	G	G	3	Neighbouring		Preserve
110	Black Walnut	<i>Juglans nigra</i>	~16	G	G	G	4	Neighbouring		Preserve
111	Norway Maple	<i>Acer platanoides</i>	24	PF	P	P	3	Subject Property	Girdling root, 90% crown dieback	Remove
112	Black Walnut	<i>Juglans nigra</i>	38	G	G	G	7	Subject Property		Remove
113	Sugar Maple	<i>Acer saccharum</i>	~100	P	P	P	6	Boundary	Heavy cavity, hazard, 20% crown dieback	Remove
114	Black Walnut	<i>Juglans nigra</i>	86	G	G	G	12	Subject Property		Remove
115	White Spruce	<i>Picea glauca</i>	~14	G	G	G	2	Neighbouring		Preserve
116	White Spruce	<i>Picea glauca</i>	51	G	G	G	5	Subject Property		Preserve
117	White Spruce	<i>Picea glauca</i>	24	F	FG	FG	2	Neighbouring	Disturbed grade at flare with severed roots, 10% crown dieback	Preserve
118	White Spruce	<i>Picea glauca</i>	18	F	P	P	3	Neighbouring	50% crown dieback	Preserve
119	White Spruce	<i>Picea glauca</i>	21	G	G	G	3	Neighbouring		Preserve

Tree #	Common Name	Scientific Name	DBH	TI	CS	CV	DL	Location	Comments	Recom.
120	Norway Spruce	<i>Picea abies</i>	40	G	G	G	4	Neighbouring		Preserve
121	Sugar Maple	<i>Acer saccharum</i>	~55	FG	F	F	5	Neighbouring	Union at 1.8 m, 20% crown dieback	Preserve
122	Balsam Fir	<i>Abies balsamea</i>	41	G	G	G	3	Neighbouring		Preserve
123	Eastern White Cedar	<i>Thuja occidentalis</i>	10-18, avg: 14	F	FG	G	2	Boundary	Hedge, 12 trees over 10 cm, disturbed grade with exposed roots	Preserve
124	Norway Maple	<i>Acer platanoides</i>	17, 10	FG	FG	G	4	Neighbouring	Union at 0.4 m	Preserve
125	Manitoba Maple	<i>Acer negundo</i>	22	FG	F	F	4	Neighbouring	Union at 1.8 m, poor form, stem wound, understory	Preserve
126	Freeman's Maple	<i>Acer x freemanii</i>	25, 20, 62, 38	F	FG	G	8	Neighbouring	Unions at ground	Preserve
127	Norway Maple	<i>Acer platanoides</i>	18, 20, 20	F	FG	FG	5	Subject Property	Union at 0.4 m, 10% crown dieback	Preserve
128	Norway Maple	<i>Acer platanoides</i>	23, 30	FG	G	G	5	Subject Property	Union at 1.2 m	Remove
129	Manitoba Maple	<i>Acer negundo</i>	16	G	G	G	3	Neighbouring		Preserve
130	Sweet Cherry	<i>Prunus avium</i>	14	G	G	G	2	Neighbouring		Preserve
131	Manitoba Maple	<i>Acer negundo</i>	15	F	PF	PF	3	Boundary	Cavity at flare with heart rot, 40% crown dieback	Remove
132	Basswood	<i>Tilia americana</i>	52, 47	F	FG	G	9	Subject Property	Union at ground	Remove
133	Basswood	<i>Tilia americana</i>	54, 59, 14, 17, 9	F	FG	FG	7	Subject Property	Unions at ground	Remove
134	Hybrid Butternut	<i>Juglans x</i>	21	G	G	G	5	Subject Property		Remove
135	Green Ash	<i>Fraxinus pennsylvanica</i>	10	G	G	G	3	Subject Property		Remove
136	Basswood	<i>Tilia americana</i>	26	F	P	PF	4	Subject Property	Seam, stem wound at flare with heart rot, failed at 3 m	Remove
137	Black Walnut	<i>Juglans nigra</i>	49	F	G	G	7	Subject Property	Canker	Remove
138	Black Walnut	<i>Juglans nigra</i>	34, 31	F	FG	G	7	Subject Property	Union at 0.5 m	Remove
139	Basswood	<i>Tilia americana</i>	15	FG	FG	G	3	Subject Property	Lean, understory	Remove
140	Basswood	<i>Tilia americana</i>	14, 11	F	FG	G	4	Subject Property	Union at 0.8 m	Remove
141	Bitternut Hickory	<i>Carya cordiformis</i>	20	G	G	G	4	Subject Property		Remove
142	Black Walnut	<i>Juglans nigra</i>	37	G	G	G	9	Neighbouring		Remove
143	Black Walnut	<i>Juglans nigra</i>	47	G	G	G	7	Subject Property	Pruning wounds	Remove
144	Black Walnut	<i>Juglans nigra</i>	41	G	G	G	6	Subject Property		Remove
145	Black Walnut	<i>Juglans nigra</i>	61	G	G	G	10	Subject Property		Remove
146	Black Walnut	<i>Juglans nigra</i>	24	G	G	G	4	Subject Property		Preserve
147	Bitternut Hickory	<i>Carya cordiformis</i>	12	G	G	G	3	Subject Property		Preserve
148	Black Walnut	<i>Juglans nigra</i>	21	G	G	G	5	Subject Property		Preserve
149	Black Walnut	<i>Juglans nigra</i>	~80	F	FG	G	10	Boundary	Union at 0.3 m with fused stems	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

Appendix A – Tree Polygon Tally Sheet

Project: P322
Date: 15-Jul-22
Surveyor: JJJ

Group #	Species	10-19 cm			20-29 cm			30-39 cm			40-49 cm			Row Totals
		G	F	P	G	F	P	G	F	P	G	F	P	
P27	Red Oak (<i>Quercus rubra</i>)				1									1
	Black Walnut (<i>Juglans nigra</i>)	13			3	1		2			2			21
	Sugar Maple (<i>Acer saccharum</i>)	4			2					1			1	8
	Black Cherry (<i>Prunus serotina</i>)	2				1								3
	Bitternut Hickory (<i>Carya cordiformis</i>)	2												2
	Green Ash (<i>Fraxinus pennsylvanica</i>)			1										1
	Sweet Cherry (<i>Prunus avium</i>)	3			1									4
	Norway Maple (<i>Acer planatoides</i>)	4		1								1		6
Column Totals:		28	0	2	7	2	0	2	0	1	2	1	1	46