

**Tree Inventory and Preservation Plan Report
DiPoce Subdivision
Barrie, Ontario**

prepared for

**DiPoce (Innisfil) Inc.
175 Sun Pac Boulevard, Unit 1A
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prepared by



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KUNTZ FORESTRY CONSULTING INC Project P1821

Introduction

Kuntz Forestry Consulting Inc. was retained by DiPoce (Innisfil) Inc. to complete a Tree Inventory and Preservation Plan Report in support of a development application for a property located on the northeast side of County Road 27 and Salem Road in Barrie, Ontario.

The work plan for this tree preservation study included the following:

- Prepare inventory of the tree resources over 10cm on and within six metres of the proposed development and trees of all sizes within the road right-of-way;
- Prepare 100% tally of trees in wooded areas over 10cm DBH;
- Evaluate potential tree saving opportunities based on the proposed development plans; and
- Document the findings in a Tree Inventory and Preservation Plan Report.

Tree resources were assessed utilizing the following parameters:

Tree # - number assigned to tree that corresponds to Figures 1-3.

Species - common and botanical names provided in the inventory table.

DBH - diameter (centimetres) at breast height, measured at 1.4 m above the ground.

Dripline – radius of tree crown, measures from the stem to the outermost branches

Condition - condition of tree considering trunk integrity, crown structure, and crown vigour. Condition ratings include poor (P), fair (F) and good (G).

Comments - additional relevant detail.

The results of the evaluation are provided below.

Methodology

Trees greater than 10cm DBH on and within six metres of the proposed development and trees of all sizes within the road right-of-way were included in the tree inventory. Trees were located using a handheld GPS unit (Trimble GeoExplorer® 6000 series) accurate to ± 1 m. Trees inventoried individually were tagged with numbers 32-309. Tree polygons were numbered P1-P4. Polygons (groups of trees) were inventoried using 100% tally of trees over 10cm DBH (categorizing trees by species, size category, and condition [AGS (Acceptable Growing Stock) and UGS (Unacceptable Growing Stock)]). Refer to Table 1 for the results of the tree inventory, Table 2 for the results of 100% tallies, and Figures 1-3 for the location of the trees.

Existing Site Conditions

The subject property is currently occupied by a farm land on the north side of the subject property. Bear Creek runs from the northwest corner of the subject property to the south. Natural heritage features exist to the south side of the subject property. Refer to Figures 1-3 for the existing site conditions.

Tree Resources

The tree inventory was conducted on 18 April 2018 and 1 November 2018. The inventory documented 327 individual trees and 4 tree polygons on and within six metres of the

proposed development. Refer to Table 1 for the full tree inventory, Table 2 for the results of 100% tally and Figures 1-3 for the location of trees reported in the tree inventory.

Tree resources included in the inventory are comprised of Balsam Fir (*Abies balsamea*), Manitoba Maple (*Acer negundo*), Black Maple (*Acer nigrum*), Red Maple (*Acer rubrum*), Silver Maple (*Acer saccharinum*), Sugar Maple (*Acer saccharum*), Yellow Birch (*Betula alleghaniensis*), White Birch (*Betula papyrifera*), American Beech (*Fagus grandifolia*), White Ash (*Fraxinus americana*), Green Ash (*Fraxinus pennsylvanica*), Apple Species (*Malus spp.*), Ironwood (*Ostrya virginiana*), White Spruce (*Picea glauca*), Colorado Blue Spruce (*Picea pungens*), Austrian Pine (*Pinus nigra*), Red Pine (*Pinus resinosa*), White Pine (*Pinus strobus*), Scots Pine (*Pinus sylvestris*), Eastern Cottonwood (*Populus deltoides*), Poplar Species (*Populus spp.*), Black Cherry (*Prunus serotina*), Choke Cherry (*Prunus virginiana*), Pear Species (*Pyrus spp.*), Red Oak (*Quercus rubra*), Willow Species (*Salix spp.*), Mountain Ash (*Sorbus spp.*), Eastern White Cedar (*Thuja occidentalis*), Basswood (*Tilia americana*), Eastern Hemlock (*Tsuga canadensis*), and White Elm (*Ulmus americana*).

Proposed Development

The proposed development includes the construction of residential subdivision with one stormwater management pond, one school, one park, and a commercial block. The existing creek will be protected with a 30m buffer on both side of the creek. Part of the existing woodlot to the south side of the subject property will be retained. Refer to Figures 1-3 for the proposed development.

Discussion

The following sections provide a discussion and analysis of development impacts and tree preservation relative to the proposed development and existing conditions.

Development Impacts/Tree Removals

The removal of 104 individual trees and 3 polygons is required to accommodate the proposed development. The removal of additional 22 trees is recommended due to their poor and/or hazardous condition. Refer to Table 3 below for the list of tree numbers designated for removal and Figures 1-3 for the locations of tree removals.

Table 3. The List of Proposed Tree Removals

Required Tree Removals due to the Development	Trees 32, 33, 35-38, 40, 41, 44-47, 97, 99, 102, 113-133, 135-137, 151-158, 161, 163, 165-173, 176, 179, 183, 184, 187, 192, 196, 198, 201, 204, 207, 208, 219-221, 228, 232, 233, 235, 239, 241, 242, 245, 249, 250, 253, 254, 261, 265, 267-269, 272, 275-277, 279, 280, 294, 295, 298, 306, P2, P3, P4, A, and B
Recommended Tree Removals due to poor and/or hazardous condition	Trees 34, 39, 42, 43, 51, 66, 67, 72, 78, 79, 83-85, 98, 100, 101, 134, 149, 211, 212, AA, and AS

Tree Preservation

Preservation of 201 individual trees and 1 tree polygon will be possible with the use of appropriate tree protection measures as indicated on Figure 1. Tree protection measures will have to be implemented prior to the proposed earth works to ensure tree resources

designated for retention are not impacted by the development. Sediment control fencing will suffice as tree preservation fencing. Refer to Figures 1-3 for the location of required tree preservation fencing and general Tree Protection Plan Notes, and Appendix A for the tree preservation fence detail.

Summary and Recommendations

Kuntz Forestry Consulting Inc. was retained by DiPoce (Innisfil) Inc. to complete a Tree Inventory and Preservation Plan in support of a development application for the property located on the northeast side of County Road 27 and Salem Road in Barrie, Ontario. A tree inventory was conducted and reviewed in the context of the proposed work.

The findings of the study indicate a total of 327 individual trees and 4 tree polygons on and within six metres of the proposed development. The removal of 104 trees and 3 tree polygons will be required to accommodate the proposed development. The removal of additional 22 trees is recommended due to their poor and/or hazardous condition. The remaining 201 individual trees and 1 tree polygon can be preserved provided appropriate tree protection measures are followed throughout construction.

The following recommendations are suggested to minimize impacts to trees identified for preservation. Refer to Figures 1-3 for general Tree Protection Plan Notes and Appendix A for the tree preservation fence detail.

- Tree protection barriers and fencing should be erected at locations as prescribed on Figures 1-3. All tree protection measures should follow the guidelines as set out in the tree preservation plan notes and the tree preservation fencing detail.
- No construction activity including surface treatments, excavations of any kind, storage of materials or vehicles, unless specifically outlined above, is permitted within the area identified on Figures 1-3 as a tree protection zone (TPZ) at any time during or after construction.
- Branches and roots that extend beyond prescribed tree protection zones that require pruning must be pruned by a qualified Arborist or other tree professional. All pruning of tree roots and branches must be in accordance with Good Arboricultural Standards.
- Site visits, pre, during and post construction is recommended by either a certified consulting arborist (I.S.A.) or registered professional forester (R.P.F.) to ensure proper utilization of tree protection barriers. Trees should also be inspected for damage incurred during construction to ensure appropriate pruning or other measures are implemented.

Respectfully Submitted,

Kuntz Forestry Consulting Inc.

Kaho Hayashi

Kaho Hayashi, B.Sc., M.Sc.F.

Associate Forest Ecologist

ISA Certified Arborist #ON-2153A

Table 1. Tree Inventory

Location: DiPoce Subdivision, Barrie

Date: 18 April 2018 & 1 November 2018

Surveyors: KH

Tree #	Common Name	Scientific Name	DBH	TI	CS	CV	CDB	DL	Comments	Action
A	Black Cherry	<i>Prunus serotina</i>	~25, 20	F	F/G	F/G		5	Union at base	Remove
B	Apple Species	<i>Malus spp.</i>	~25, 20	F	F/G	F/G		4	Union at 0.5m	Remove
C	Apple Species	<i>Malus spp.</i>	10-16 (avg. 13)	F	F	F		4	Union at base (3 stems)	Preserve
32	Sugar Maple	<i>Acer saccharum</i>	10.5, 9, 8	F/G	F/G	F/G		3	Union at base, asymmetrical crown (L)	Remove
33	Sugar Maple	<i>Acer saccharum</i>	10, 6	F	F	F		3	Stem wound (M), union at 0.6m with included bark (M)	Remove
34	Sugar Maple	<i>Acer saccharum</i>	12	P/F	F	P/F	20	3	Stem wound (M) at base, canker (M)	Remove (condition)
35	Apple Species	<i>Malus spp.</i>	13.5	F	F	F		3	Lean (L), asymmetrical crown (M)	Remove
36	Basswood	<i>Tilia americana</i>	12, 10.5	F	F	F/G		4	Union at base, crook (L), bow (L), stem wound (L)	Remove
37	Sugar Maple	<i>Acer saccharum</i>	16, 11.5	F	F	P/F	25	3	Union at 0.6m with included bark (H), canker (M), 1 stem almost dead	Remove
38	Sugar Maple	<i>Acer saccharum</i>	18	G	G	G		3		Remove
39	Pear Species	<i>Pyrus spp.</i>	~38	P/F	F	F		6	Stem wound (H) at base, asymmetrical crown (M), union at 1.7m ==> hazard	Remove (condition)
40	Sugar Maple	<i>Acer saccharum</i>	93.5	F/G	F/G	F/G		10	Co-dominance at 3m, bow (L), asymmetrical crown (L)	Remove
41	Sugar Maple	<i>Acer saccharum</i>	98	G	G	F.		8		Remove
42	American Beech	<i>Fagus grandifolia</i>	~62	P	P/F	P/F	20	8	Stem wound (H) at base, bow (L), dead branches (M)	Remove (condition)
43	Chokecherry	<i>Prunus virginiana</i>	13.5, 10	P	P/F	P/F	20	3	Stem wound (H) at base, union at 1m with included bark (M), dead branches (L)	Remove (condition)
44	Sugar Maple	<i>Acer saccharum</i>	10.5	G	F/G	F		3	Asymmetrical crown (M)	Remove
45	Basswood	<i>Tilia americana</i>	14, 11	F/G	F/G	F/G		4	Union at base, lean (L), asymmetrical crown (M)	Remove
46	Black Cherry	<i>Prunus serotina</i>	16.5	F/G	F	F/G		4	Stem wound (L), crook (L), asymmetrical crown (M)	Remove
47	Sugar Maple	<i>Acer saccharum</i>	13.5	G	G	F/G		3		Remove
48	American Beech	<i>Fagus grandifolia</i>	21, 16, 13	F	F	F/G		5	Union at 0.3m and 0.6m, bow (M) to west	Preserve
49	Ironwood	<i>Ostrya virginiana</i>	17.5	G	F	G		4	Asymmetrical crown (H)	Preserve
50	American Beech	<i>Fagus grandifolia</i>	51	F	F	P/F	20	8	Bow (M) to west, dead branches (M)	Preserve
51	Basswood	<i>Tilia americana</i>	47	P	P/F	P	75	5	Canker (H), wood pecker damage (H), dead branches (M) ==> hazard	Remove (condition)
52	Sugar Maple	<i>Acer saccharum</i>	62	F/G	F/G	F/G		8	Co-dominance in crown, asymmetrical crown (M)	Preserve
53	Sugar Maple	<i>Acer saccharum</i>	67	G	F/G	G		8	Asymmetrical crown (M)	Preserve
54	Ironwood	<i>Ostrya virginiana</i>	17, 11	F	F	F		4	Union at 0.2m with included bark (M), bow (M) to west	Preserve
55	Ironwood	<i>Ostrya virginiana</i>	11.5	F/G	F	F/G		4	Lean (L), asymmetrical crown (M)	Preserve
56	Ironwood	<i>Ostrya virginiana</i>	11	F/G	F/G	F/G		4	Bow (L) to west, asymmetrical crown (M)	Preserve
57	White Pine	<i>Pinus strobus</i>	100	G	F/G	G		8	Asymmetrical crown (L)	Preserve
58	Ironwood	<i>Ostrya virginiana</i>	21	G	F/G	G		4	Asymmetrical crown (M)	Preserve
59	Sugar Maple	<i>Acer saccharum</i>	78	G	G	G		10		Preserve
60	Sugar Maple	<i>Acer saccharum</i>	47	G	F/G	F/G	15	6	Asymmetrical crown (M), dead branches (L)	Preserve
61	Red Maple	<i>Acer rubrum</i>	39	G	G	G		6		Preserve
62	Sugar Maple	<i>Acer saccharum</i>	52	G	G	G		8	Deadwood	Preserve
63	Black Maple	<i>Acer nigrum</i>	59.5	G	G	F/G		8	Deadwood	Preserve
64	Black Maple	<i>Acer nigrum</i>	45	F/G	F/G	F/G		6	Bow (L) to east, asymmetrical crown (M)	Preserve
65	Black Maple	<i>Acer nigrum</i>	29	G	G	G		6		Preserve
66	American Beech	<i>Fagus grandifolia</i>	58, 17.5	P	P	P	80	8	Included fence (M), union at 0.8m with included bark (M), dead leader	Remove (condition)
67	White Ash	<i>Fraxinus americana</i>	67	P	P	P	90	3		Remove (condition)
68	Basswood	<i>Tilia americana</i>	41.5	F	F/G	F	20	6	Cavity at 3m, dead branches (L), asymmetrical crown (M)	Preserve
69	Black Maple	<i>Acer nigrum</i>	68.5	G	G	F/G		8	Asymmetrical crown (L), cavity at base (L)	Preserve
70	Sugar Maple	<i>Acer saccharum</i>	21.5	G	G	G		4		Preserve
71	Sugar Maple	<i>Acer saccharum</i>	71.5	F	G	F/G		8	Cavity at base	Preserve
72	American Beech	<i>Fagus grandifolia</i>	~64	P	P	P	80	6	Lost leader at 5m	Remove (condition)
73	Black Maple	<i>Acer nigrum</i>	16	G	G	G		4		Preserve
74	Ironwood	<i>Ostrya virginiana</i>	12.5	F/G	F/G	F/G		4	Co-dominance at 1.6m, bow (M)	Preserve
75	Black Maple	<i>Acer nigrum</i>	52	G	G	G		8	Asymmetrical crown (L)	Preserve
76	Black Maple	<i>Acer nigrum</i>	31.5	G	G	G		6		Preserve
77	Basswood	<i>Tilia americana</i>	13, 8, 6	F	F	F		5	Union at base, bow (M) to west	Preserve
78	Green Ash	<i>Fraxinus pennsylvanica</i>	18.5	-	-	-	100	-		Remove (condition)
79	Green Ash	<i>Fraxinus pennsylvanica</i>	14	-	-	-	100	-		Remove (condition)
80	White Elm	<i>Ulmus americana</i>	24	F/G	F/G	F/G		6	Bow (L)	Preserve
81	Black Maple	<i>Acer nigrum</i>	50.5	G	F/G	F/G		6	Lean (VL), asymmetrical crown (M), deadwood	Preserve
82	Black Maple	<i>Acer nigrum</i>	49.5	F/G	G	F/G		6	Co-dominance in crown	Preserve
83	Black Maple	<i>Acer nigrum</i>	55	P	P	P	80	8	Dead leader	Remove (condition)

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84	Black Maple	<i>Acer nigrum</i>	49	P	P	P	90	6	Lost leader at 5m	Remove (condition)
85	Black Maple	<i>Acer nigrum</i>	73.5	P	P	P	90	6	Lost leader at 7m	Remove (condition)
D	Eastern Hemlock	<i>Tsuga canadensis</i>	~13	G	F/G	G		4	Asymmetrical crown (M)	Preserve
E	Ironwood	<i>Ostrya virginiana</i>	~12	G	G	G		5		Preserve
F	Sugar Maple	<i>Acer saccharum</i>	~12	G	G	G		4		Preserve
86	Red Oak	<i>Quercus rubra</i>	53	F/G	G	F	20	8	Co-dominance in crown, dead branches (L)	Preserve
G	Sugar Maple	<i>Acer saccharum</i>	~18	G	G	G		5		Preserve
H	Basswood	<i>Tilia americana</i>	5	F/G	G	G		4		Preserve
87	White Elm	<i>Ulmus americana</i>	16	F	F	P/F	25	4	Stem wound (L), crook (L), dead branches (L)	Preserve
I	Sugar Maple	<i>Acer saccharum</i>	~16	G	G	G		3		Preserve
J	Sugar Maple	<i>Acer saccharum</i>	~20	G	G	G		4		Preserve
K	Basswood	<i>Tilia americana</i>	~24, 20, 18	P	P	F		6	Union at base, all stems lost leader, broken branches (M), epicormic branches (H)	Preserve
88	Sugar Maple	<i>Acer saccharum</i>	~80	F/G	F/G	F/G		10	Co-dominance in crown, asymmetrical crown (M)	Preserve
89	Black Maple	<i>Acer nigrum</i>	~40	F/G	F/G	F	15	6	Co-dominance in crown, pruning wounds (L), deadwood	Preserve
90	Black Maple	<i>Acer nigrum</i>	52	F	F	P/F	25	8	Union at 4m, pruning wounds (L), deadwood	Preserve
91	Black Maple	<i>Acer nigrum</i>	~70, 26	F/G	F	P/F	25	8	Union at 1m, deadwood	Preserve
92	Black Maple	<i>Acer nigrum</i>	53	G	G	G		6		Preserve
93	Black Maple	<i>Acer nigrum</i>	~40, 35	F/G	F/G	F	25	8	Co-dominance at base, deadwood, pruning wounds (L)	Preserve
94	Black Maple	<i>Acer nigrum</i>	~70	F/G	F/G	F	15	8	Stem wound (L), deadwood, asymmetrical crown (M)	Preserve
95	Black Maple	<i>Acer nigrum</i>	71	F/G	F/G	F/G		8	Lean (L) to south, union at 3m, asymmetrical crown (M)	Preserve
96	Sugar Maple	<i>Acer saccharum</i>	~85	F/G	F/G	F	20	8	Union at 3m, deadwood	Preserve
97	Sugar Maple	<i>Acer saccharum</i>	63	G	G	G		8		Remove
98	Sugar Maple	<i>Acer saccharum</i>	46	P/F	F	F	15	6	Stem wound (H) at base with cavity, broken branches (M)	Remove (condition)
L	White Spruce	<i>Picea glauca</i>	~13	G	G	G		3		Preserve
M	White Spruce	<i>Picea glauca</i>	~21	G	G	F/G		3		Preserve
99	Mountain Ash	<i>Sorbus spp.</i>	14, 11.5	F/G	G	G		4	Union at base	Remove
100	Manitoba maple	<i>Acer negundo</i>	19, 16	P	F/G	P/F	10	5	Union at 0.3m, stem wound (H), deadwood	Remove (condition)
101	Sugar Maple	<i>Acer saccharum</i>	~110	P	P	P	75	6	Stem wound (H), cavity (H), fruiting bodies, broken branches (H) ==> hazard	Remove (condition)
N	Austrian Pine	<i>Pinus nigra</i>	~20	G	F/G	F/G		3		Preserve
O	Austrian Pine	<i>Pinus nigra</i>	~18	F/G	G	G		3	Sweep (L)	Preserve
102	Sugar Maple	<i>Acer saccharum</i>	83	P/F	G	F/G		8	Co-dominance at 3m (3 stems), poor union	Remove
P	White Spruce	<i>Picea glauca</i>	~15	G	G	G		2		Preserve
Q	White Spruce	<i>Picea glauca</i>	~16	G	G	F/G		2		Preserve
R	White Birch	<i>Betula papyrifera</i>	~16, 16, 16, 13	F/G	G	G		4		Preserve
S	Colorado Blue Spruce	<i>Picea pungens</i>	~15	G	G	G		2		Preserve
T	Colorado Blue Spruce	<i>Picea pungens</i>	~25	G	G	G		3	Pruning wounds (L)	Preserve
U	White Birch	<i>Betula papyrifera</i>	~25, 16	F/G	G	G		5		Preserve
V	White Spruce	<i>Picea glauca</i>	~30	G	G	G		4		Preserve
W	Colorado Blue Spruce	<i>Prunus virginiana</i>	~25	G	G	G		3		Preserve
X	White Spruce	<i>Picea glauca</i>	~18	G	G	G		2		Preserve
Y	Colorado Blue Spruce	<i>Prunus virginiana</i>	~22	G	G	G		2		Preserve
Z	White Spruce	<i>Picea glauca</i>	~16	F/G	G	G		2	Sweep (L)	Preserve
AA	Black Cherry	<i>Prunus serotina</i>	~45, 40, 35	F/G	F/G	P/F	25	6	Union at base, 1 stem dead	Remove (condition)
AB	Green Ash	<i>Fraxinus pennsylvanica</i>	~30	G	G	F	10	5		Preserve
AC	Willow Species	<i>Salix spp.</i>	3-18 (avg. 12)	F	F/G	F/G		6	Union at 0.6m (~15 stems)	Preserve
AD	Willow Species	<i>Salix spp.</i>	~30	P	P	F		4	Co-dominance at 1.8m, both stems lost leader at 4m, coppice growth (M), vertical crack	Preserve
AE	Willow Species	<i>Salix spp.</i>	~32, 30, 22, 20	F	G	F/G		5	Union at 0.5m with included bark (L), broken branches (L), epicormic branches (M)	Preserve
AF	Sugar Maple	<i>Acer saccharum</i>	~80	G	G	F/G		8		Preserve
AG	Balsam Fir	<i>Abies balsamea</i>	~18	G	G	G		2		Preserve
AH	Balsam Fir	<i>Abies balsamea</i>	~16	G	G	G		2		Preserve
AI	Colorado Blue Spruce	<i>Picea pungens</i>	~20	G	G	G		2		Preserve
AJ	Balsam Fir	<i>Abies balsamea</i>	~16	G	G	G		2		Preserve
AK	Balsam Fir	<i>Abies balsamea</i>	~12	G	G	F/G		2	Sparse crown (L)	Preserve
AL	Balsam Fir	<i>Abies balsamea</i>	~12	G	G	F/G		2	Sparse crown (L)	Preserve
AM	Balsam Fir	<i>Abies balsamea</i>	~20	G	G	G		2		Preserve
AN	White Spruce	<i>Picea glauca</i>	~20	G	G	G		2		Preserve
AO	Balsam Fir	<i>Abies balsamea</i>	~14	G	G	G		2		Preserve
AP	Scots Pine	<i>Pinus sylvestris</i>	~24	F/G	F/G	F/G		5	Crook (L), asymmetrical crown (M)	Preserve
103	Manitoba maple	<i>Acer negundo</i>	11, 11, 9, 8	F	G	G		5	Union at base, sweep (L), crook (L)	Preserve
104	Manitoba maple	<i>Acer negundo</i>	17.5, 15, 14, 14, 13	F	G	G		5	Union at base, crook (M)	Preserve
105	Willow Species	<i>Salix spp.</i>	53, 16.5	F/G	G	G		6	Union at 0.6m and 4m	Preserve
106	Willow Species	<i>Salix spp.</i>	15	F/G	G	G		4	Sweep (L)	Preserve
107	Willow Species	<i>Salix spp.</i>	27	F/G	F/G	F/G		5	Crook (L), broken branches (L), epicormic branches (M)	Preserve
108	Willow Species	<i>Salix spp.</i>	30	F/G	G	G		5	Crook (L)	Preserve

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109	Willow Species	<i>Salix spp.</i>	21, 12	F	G	F/G		5	Union at 1m, lean (L)	Preserve
110	Willow Species	<i>Salix spp.</i>	22	F/G	G	F/G		5	Sweep (L), broken branches (L), epicormic branches (M)	Preserve
111	Willow Species	<i>Salix spp.</i>	28	F/G	G	F/G		5	Union at 4m, epicormic branches (L)	Preserve
112	Willow Species	<i>Salix spp.</i>	19	P	P	F		8	Stem half snapped at 1m, epicormic branches (H)	Preserve
113	White Spruce	<i>Picea glauca</i>	~30	G	G	G		4		Remove
114	White Spruce	<i>Picea glauca</i>	~28	G	G	G		4		Remove
115	White Spruce	<i>Picea glauca</i>	~17	G	G	G		3		Remove
116	White Spruce	<i>Picea glauca</i>	16	G	G	G		3		Remove
117	White Spruce	<i>Picea glauca</i>	~23	G	G	G		4		Remove
118	White Spruce	<i>Picea glauca</i>	16	G	G	G		3		Remove
119	White Spruce	<i>Picea glauca</i>	~29	G	G	G		4		Remove
120	White Spruce	<i>Picea glauca</i>	~24, 15	F/G	G	G		4	Union at base	Remove
121	White Spruce	<i>Picea glauca</i>	~19	G	G	G		3		Remove
122	White Spruce	<i>Picea glauca</i>	~30	G	G	G		4		Remove
123	White Spruce	<i>Picea glauca</i>	29	G	G	G		4		Remove
124	Manitoba maple	<i>Acer negundo</i>	64, 42	P	F	F	25	8	Union at 0.3m, cavity on larger stem, dead branches (M)	Remove
AQ	Sugar Maple	<i>Acer saccharum</i>	57	F/G	G	F/G		6	Union at 1.6m with included bark (M)	Preserve
125	White Spruce	<i>Picea glauca</i>	35	G	G	G		6		Remove
126	White Spruce	<i>Picea glauca</i>	26	G	G	G		5		Remove
127	White Spruce	<i>Picea glauca</i>	32	G	G	G		5		Remove
128	White Spruce	<i>Picea glauca</i>	21.5	G	G	G		5		Remove
129	White Spruce	<i>Picea glauca</i>	27	G	G	G		5		Remove
130	White Spruce	<i>Picea glauca</i>	23.5	G	G	G		5		Remove
131	White Spruce	<i>Picea glauca</i>	28	G	G	G		5		Remove
132	White Spruce	<i>Picea glauca</i>	37	G	G	G		6		Remove
133	White Spruce	<i>Picea glauca</i>	41.5	G	G	G		6		Remove
134	White Spruce	<i>Picea glauca</i>	12, 7.5	F/G	F	P/F	60	3	Union at 0.2m, smaller stem dead, asymmetrical crown ((H)	Remove (condition)
135	White Spruce	<i>Picea glauca</i>	22	G	G	F/G		5	Sparse crown (L)	Remove
136	White Spruce	<i>Picea glauca</i>	48	G	G	G		6		Remove
AR	Silver Maple	<i>Acer saccharinum</i>	~80, 60	F	F	F		10	Union at 0.6m and 2m, 1 stem lost leader at 5m, broken branches (M), lean (L) to north	Remove
137	Austrian Pine	<i>Pinus nigra</i>	11.5	G	G	G		3		Remove
138	Austrian Pine	<i>Pinus nigra</i>	13.5	G	G	G		3		Preserve
AS	White Ash	<i>Fraxinus americana</i>	36, 31	-	-	-	100	-		Remove (condition)
AT	White Spruce	<i>Picea glauca</i>	31, 19	F/G	G	G		6	Union at 0.6m with included bark (M)	Preserve
139	Black Cherry	<i>Prunus serotina</i>	~35m 16	F	G	F		6	Union at base, crook (M), sweep (L), grape vine competition (H)	Preserve
P1	Apple Species	<i>Malus spp.</i>	10-25 (avg. 15)	P/F	F	P/F		5	9 trees, crook (H), dead branches (L), union at base	Preserve
140	Apple Species	<i>Malus spp.</i>	32, 29	F	F	F		6	Union at base, crook (M), deadwood	Preserve
141	Willow Species	<i>Salix spp.</i>	~36	F/G	G	F/G		6	Included fence (L), bow (L)	Preserve
142	Willow Species	<i>Salix spp.</i>	46	G	G	F/G		6	Asymmetrical crown (L)	Preserve
143	Manitoba maple	<i>Acer negundo</i>	18.5	F	F/G	G		6	Lean (M) to east, crook (M)	Preserve
144	Willow Species	<i>Salix spp.</i>	~75	F	G	F/G		8	Co-dominance at 1.5m, lean (L) to east	Preserve
145	Willow Species	<i>Salix spp.</i>	~45, 40	F	F/G	F/G		6	Union at base, broken branches (M)	Preserve
146	Willow Species	<i>Salix spp.</i>	~70	G	G	F/G		8	Crook (L)	Preserve
147	Willow Species	<i>Salix spp.</i>	~45, 40	F	G	F/G		8	Union at 0.6m with included bark (H), crook (L)	Preserve
148	Willow Species	<i>Salix spp.</i>	50, 50	F	F	F/G		8	Union at 1.2m, broken branches (M)	Preserve
149	Willow Species	<i>Salix spp.</i>	~70, 70, 60	P/F	P/F	F	30	8	Union at base, lost leader at 3m and 6m, dead branches (L)	Remove (condition)
150	Willow Species	<i>Salix spp.</i>	38, 36	F	P/F	F		4	Union At base, crook (M), broken branches (M)	Preserve
151	White Pine	<i>Pinus strobus</i>	38	F	G	F/G		5	Cavity at base	Remove
152	Yellow Birch	<i>Betula alleghaniensis</i>	48, 29, 21, 16	F/G	G	F/G		6	Union at base	Remove
153	Eastern White Cedar	<i>Thuja occidentalis</i>	23	G	G	G		2		Remove
154	Eastern White Cedar	<i>Thuja occidentalis</i>	27, 15	F/G	G	F/G		3	Lean (L)	Remove
155	Yellow Birch	<i>Betula alleghaniensis</i>	27, 16	F/G	G	F/G		5	Union at base, sweep (L)	Remove
156	Black Cherry	<i>Prunus serotina</i>	17	G	G	F/G		4		Remove
157	Eastern White Cedar	<i>Thuja occidentalis</i>	26, 19	F/G	G	G		3	Union at base	Remove
158	Yellow Birch	<i>Betula alleghaniensis</i>	47, 43	F	F/G	F		6	Union at base	Remove
159	Eastern White Cedar	<i>Thuja occidentalis</i>	16	G	G	G		2		Preserve
160	Eastern White Cedar	<i>Thuja occidentalis</i>	19, 16	F/G	G	G		3	Union at base	Preserve
161	Eastern Cottonwood	<i>Populus deltoides</i>	20	G	G	G		4		Remove
162	Eastern White Cedar	<i>Thuja occidentalis</i>	19	G	G	G		2		Preserve
163	Eastern White Cedar	<i>Thuja occidentalis</i>	17, 15, 13	F/G	G	F/G		2	Union at base	Remove
164	Eastern White Cedar	<i>Thuja occidentalis</i>	21	G	G	G		3		Preserve
165	Eastern White Cedar	<i>Thuja occidentalis</i>	16, 15, 15	F/G	G	G		3	Union at base	Remove
166	Eastern White Cedar	<i>Thuja occidentalis</i>	18	G	G	G		3		Remove
167	White Elm	<i>Ulmus americana</i>	17	G	G	G		4		Remove
168	Eastern White Cedar	<i>Thuja occidentalis</i>	18	F/G	G	G		3	Sweep (L)	Remove
169	Eastern White Cedar	<i>Thuja occidentalis</i>	21	G	G	G		3		Remove
170	Eastern White Cedar	<i>Thuja occidentalis</i>	20	G	G	G		3		Remove
171	Eastern White Cedar	<i>Thuja occidentalis</i>	23, 17, 16	F/G	G	G		3	Union at base	Remove
172	Eastern White Cedar	<i>Thuja occidentalis</i>	22	G	G	G		3		Remove
173	Eastern White Cedar	<i>Thuja occidentalis</i>	21, 11, 10	F/G	G	G		3	Union at base	Remove
174	Eastern White Cedar	<i>Thuja occidentalis</i>	16	G	G	G		3		Preserve
175	Eastern White Cedar	<i>Thuja occidentalis</i>	17	G	G	G		3		Preserve

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176	Yellow Birch	<i>Betula alleghaniensis</i>	~45, 40	F	G	F/G		6	Union at 1.2m with included bark (M)	Remove
177	Eastern White Cedar	<i>Thuja occidentalis</i>	19	G	G	G		3		Preserve
178	Yellow Birch	<i>Betula alleghaniensis</i>	~22, 12	F	F/G	F/G		5	Union at base, spiral stems	Preserve
179	Eastern White Cedar	<i>Thuja occidentalis</i>	18	G	G	G		2		Remove
180	Yellow Birch	<i>Betula alleghaniensis</i>	17	F/G	G	F/G		3	Lean (L), union at 2.5m	Preserve
181	Eastern White Cedar	<i>Thuja occidentalis</i>	16	G	G	G		2		Preserve
182	Eastern White Cedar	<i>Thuja occidentalis</i>	20.5	G	G	G		2		Preserve
183	Eastern White Cedar	<i>Thuja occidentalis</i>	23	G	G	G		3		Remove
184	Eastern White Cedar	<i>Thuja occidentalis</i>	21	G	G	G		2		Remove
185	Eastern White Cedar	<i>Thuja occidentalis</i>	22	G	G	G		3		Preserve
186	Eastern White Cedar	<i>Thuja occidentalis</i>	17	F/G	G	G		2		Preserve
187	Yellow Birch	<i>Betula alleghaniensis</i>	41, 17	F/G	G	G		6	Union at base	Remove
188	White Elm	<i>Ulmus americana</i>	23	G	G	F/G		5		Preserve
189	Yellow Birch	<i>Betula alleghaniensis</i>	28	F	F	F	25	6	Co-dominance at 2.5m, dead branches (L)	Preserve
190	Eastern White Cedar	<i>Thuja occidentalis</i>	18	G	G	G		2		Preserve
191	Eastern White Cedar	<i>Thuja occidentalis</i>	14.5	G	G	G		2	Lean (M)	Preserve
192	Eastern White Cedar	<i>Thuja occidentalis</i>	15	F	G	F/G		4		Remove
193	Eastern White Cedar	<i>Thuja occidentalis</i>	20	G	G	G		2		Preserve
194	Eastern White Cedar	<i>Thuja occidentalis</i>	21	G	G	G		2		Preserve
195	Eastern White Cedar	<i>Thuja occidentalis</i>	15, 10.5	F/G	G	G		2	Union at base	Preserve
196	Eastern White Cedar	<i>Thuja occidentalis</i>	16, 14, 13, 13, 11	F/G	G	G		3	Union at base	Remove
197	Eastern White Cedar	<i>Thuja occidentalis</i>	24	G	G	G		3		Preserve
198	Eastern White Cedar	<i>Thuja occidentalis</i>	20, 19	F/G	G	G		3	Union at base	Remove
199	Eastern White Cedar	<i>Thuja occidentalis</i>	~15, 14, 14	F/G	G	G		2	Union at base	Preserve
200	Eastern White Cedar	<i>Thuja occidentalis</i>	16	G	G	G		2		Preserve
201	Eastern White Cedar	<i>Thuja occidentalis</i>	14.5	G	G	G		2		Remove
202	Eastern White Cedar	<i>Thuja occidentalis</i>	17	G	G	G		2		Preserve
203	Eastern White Cedar	<i>Thuja occidentalis</i>	16	G	G	G		2		Preserve
204	Eastern White Cedar	<i>Thuja occidentalis</i>	~30, 30	P/F	F	F	25	3	Union at base, lean (L), frost crack (M), sparse crown (L)	Remove
205	Black Cherry	<i>Prunus serotina</i>	21	F/G	G	F/G		4	Lean (L), crook (L)	Preserve
206	Eastern White Cedar	<i>Thuja occidentalis</i>	23	F	P	P	60	2	Frost crack (M)	Preserve
207	Eastern White Cedar	<i>Thuja occidentalis</i>	21	F/G	F	P/F	40	2	Co-dominance at 2.5m	Remove
208	Eastern White Cedar	<i>Thuja occidentalis</i>	17	F	F	F		4	Lean (L), sweep (M)	Remove
209	Eastern White Cedar	<i>Thuja occidentalis</i>	~40, 30, 30	F/G	G	F/G	10	4	Union at base and 1.2m	Preserve
210	Eastern White Cedar	<i>Thuja occidentalis</i>	23, 14	F/G	G	F/G		4	Union at base, sweep (L)	Preserve
211	Eastern White Cedar	<i>Thuja occidentalis</i>	~42, 18, 15	P	F	P/F		6	Union at base, uprooted at 45 degree	Remove (condition)
212	Eastern White Cedar	<i>Thuja occidentalis</i>	~30	P	P	P	80	4	Uprooted at 45 degree	Remove (condition)
213	Eastern White Cedar	<i>Thuja occidentalis</i>	22, 12, 11, 10	F/G	G	F		3	Union at base	Preserve
214	Eastern White Cedar	<i>Thuja occidentalis</i>	14, 8	F	F	F		2	Union at base, smaller stem lost leader at 3m	Preserve
215	Eastern White Cedar	<i>Thuja occidentalis</i>	16, 13	F	F	F		3	Union at base, lean (M)	Preserve
216	Willow Species	<i>Salix spp.</i>	17	F	G	G		4	Crook (M)	Preserve
217	Eastern White Cedar	<i>Thuja occidentalis</i>	18, 16	F/G	G	F/G		2	Union at base, lean (L)	Preserve
218	Eastern White Cedar	<i>Thuja occidentalis</i>	31, 21, 16	F/G	G	F/G		3	Union at base and 0.5m with included bark (M)	Preserve
219	Eastern White Cedar	<i>Thuja occidentalis</i>	15, 14, 12	F/G	G	F		2	Union at base, sweep (L)	Remove
220	Eastern White Cedar	<i>Thuja occidentalis</i>	17, 14	F	G	F/G		3	Union at 0.6m with included bark (M), sweep (M)	Remove
221	Eastern White Cedar	<i>Thuja occidentalis</i>	~16, 16, 14	F/G	G	F/G		2	Union at base	Remove
222	Eastern White Cedar	<i>Thuja occidentalis</i>	21, 18	F/G	G	F/G		2	Union at base	Preserve
223	Eastern White Cedar	<i>Thuja occidentalis</i>	16	G	G	G		2		Preserve
224	Eastern White Cedar	<i>Thuja occidentalis</i>	17, 13	F/G	G	F/G		3	Union at base	Preserve
225	Eastern White Cedar	<i>Thuja occidentalis</i>	17	F/G	G	F/G		2	Lean (L)	Preserve
226	Eastern White Cedar	<i>Thuja occidentalis</i>	20, 18	F/G	G	F/G		2	Union at base	Preserve
227	Eastern White Cedar	<i>Thuja occidentalis</i>	17, 16, 15, 13	F/G	G	F		3	Union at base, sparse crown (M)	Preserve
228	Eastern White Cedar	<i>Thuja occidentalis</i>	15	F/G	G	F/G		2	Spiral stem	Remove
229	Eastern White Cedar	<i>Thuja occidentalis</i>	18	G	G	F		2		Preserve
230	Eastern White Cedar	<i>Thuja occidentalis</i>	16	G	G	F/G		2		Preserve
231	Eastern White Cedar	<i>Thuja occidentalis</i>	22	F/G	G	F/G		2	Lean (L)	Preserve
232	Eastern White Cedar	<i>Thuja occidentalis</i>	15, 14	F/G	G	F/G		2	Union at base	Remove
233	Eastern White Cedar	<i>Thuja occidentalis</i>	16, 16	F/G	G	F/G		3	Union at base, co-dominance in crown	Remove
234	Eastern White Cedar	<i>Thuja occidentalis</i>	17, 14	F	F	P/F	30	3	Lean (M), union at base	Preserve
235	Eastern White Cedar	<i>Thuja occidentalis</i>	~21, 18, 11	F/G	G	F/G		3	Union at base	Remove
236	Eastern White Cedar	<i>Thuja occidentalis</i>	16, 13	F/G	G	F/G		3	Union at base	Preserve
237	Eastern White Cedar	<i>Thuja occidentalis</i>	~22, 20, 20, 18	F/G	G	F/G		3	Union at base	Preserve
238	Eastern White Cedar	<i>Thuja occidentalis</i>	20	G	G	F/G		2		Preserve
239	Eastern White Cedar	<i>Thuja occidentalis</i>	22	G	G	F/G		3		Remove
240	Eastern White Cedar	<i>Thuja occidentalis</i>	23, 14, 13	F/G	G	F/G		3	Union at base and 0.6m	Preserve
241	Eastern White Cedar	<i>Thuja occidentalis</i>	~34, 18	F/G	G	F/G		3	Union at base, sweep (L)	Remove
242	Apple Species	<i>Malus spp.</i>	~40, 25	P/F	F	F		5	Union at base, lean (M), bow (M), crook (M), asymmetrical crown (H)	Remove
243	Eastern White Cedar	<i>Thuja occidentalis</i>	18	G	G	G		2		Preserve
244	Eastern White Cedar	<i>Thuja occidentalis</i>	16	G	G	F/G		2		Preserve
245	Eastern White Cedar	<i>Thuja occidentalis</i>	23	G	G	F/G		3		Remove
246	Eastern White Cedar	<i>Thuja occidentalis</i>	36	G	G	F/G		4		Preserve
247	Eastern White Cedar	<i>Thuja occidentalis</i>	~40, 30, 20	F/G	G	F/G		4	Union at base	Preserve
248	Eastern White Cedar	<i>Thuja occidentalis</i>	22	G	G	G		2		Preserve

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249	Eastern White Cedar	<i>Thuja occidentalis</i>	31, 27	F/G	G	G		3		Remove
250	Eastern White Cedar	<i>Thuja occidentalis</i>	15	G	G	F/G		2		Remove
251	Eastern White Cedar	<i>Thuja occidentalis</i>	~23, 23, 22, 15	F/G	G	F/G		3	Union at base	Preserve
252	Eastern White Cedar	<i>Thuja occidentalis</i>	~22, 20	F/G	G	F/G		2	Union at base	Preserve
253	Eastern White Cedar	<i>Thuja occidentalis</i>	~22, 19	F/G	G	F/G		2	Union at base	Remove
254	Eastern White Cedar	<i>Thuja occidentalis</i>	~32, 22	F/G	G	F/G		3	Union at base	Remove
255	Eastern White Cedar	<i>Thuja occidentalis</i>	21	G	G	F/G		2		Preserve
256	Eastern White Cedar	<i>Thuja occidentalis</i>	~26, 21	F/G	G	F/G		3	Union at base	Preserve
257	Eastern White Cedar	<i>Thuja occidentalis</i>	~32, 30	F/G	G	F/G		3	Union at base	Preserve
258	Eastern White Cedar	<i>Thuja occidentalis</i>	~20, 19	F/G	G	F/G		3	Union at base	Preserve
259	Eastern White Cedar	<i>Thuja occidentalis</i>	5-25 (avg. 18)	F/G	G	F/G		4	Union at base (11 stems)	Preserve
260	Eastern White Cedar	<i>Thuja occidentalis</i>	17.5	G	G	F/G		2		Preserve
261	Eastern White Cedar	<i>Thuja occidentalis</i>	~35, 24, 16, 15, 13	F/G	G	F/G		4	Union at base	Remove
262	Eastern White Cedar	<i>Thuja occidentalis</i>	~20, 18	F/G	G	F/G		3	Union at base	Preserve
263	Eastern White Cedar	<i>Thuja occidentalis</i>	~32, 22	F/G	G	F/G		3	Union at base	Preserve
264	Eastern White Cedar	<i>Thuja occidentalis</i>	25	F/G	G	F/G		2	Co-dominance at 1.5m	Preserve
265	Eastern White Cedar	<i>Thuja occidentalis</i>	12-35 (avg. 22)	F/G	G	F/G		4	Union at base (8 stems)	Remove
266	Eastern White Cedar	<i>Thuja occidentalis</i>	20, 17, 15	F	F/G	F/G		3	Union at base, sweep (M), crook (M)	Preserve
267	Eastern White Cedar	<i>Thuja occidentalis</i>	~40, 34, 13, 12	F/G	G	F/G		3	Union at base and 1.5m	Remove
268	Eastern White Cedar	<i>Thuja occidentalis</i>	~22, 20	F/G	G	F/G		2	Union at base	Remove
269	Eastern White Cedar	<i>Thuja occidentalis</i>	~26, 24, 22	F/G	G	F/G		2	Union at base	Remove
270	Eastern White Cedar	<i>Thuja occidentalis</i>	26	G	G	F/G		2		Preserve
271	Eastern White Cedar	<i>Thuja occidentalis</i>	26, 23, 13	F/G	G	F/G		2	Union at base	Preserve
272	Eastern White Cedar	<i>Thuja occidentalis</i>	~34, 22, 16	F/G	G	F/G		3	Union at base and 0.6m	Remove
273	Eastern White Cedar	<i>Thuja occidentalis</i>	~24, 22, 13	F/G	G	F/G		3	Union at base	Preserve
274	Eastern White Cedar	<i>Thuja occidentalis</i>	~15, 14, 10	F/G	G	F/G		2	Union at base	Preserve
275	Apple Species	<i>Malus spp.</i>	~19, 17, 17	F	F	F		5	Union at 0.6m with included bark (M), lean (L), crook (M)	Remove
276	Eastern White Cedar	<i>Thuja occidentalis</i>	10-25 (avg. 18)	F/G	G	F/G		3	Union at base (7 stems)	Remove
277	Eastern White Cedar	<i>Thuja occidentalis</i>	~23, 17, 12	F/G	G	F/G		3	Union at base	Remove
278	Eastern White Cedar	<i>Thuja occidentalis</i>	~25, 13, 13, 12	F/G	G	F/G		3	Union at base	Preserve
279	Apple Species	<i>Malus spp.</i>	21, 13	F	F/G	F		4	Union at 0.2m, bow (L), crook (M)	Remove
280	Eastern White Cedar	<i>Thuja occidentalis</i>	7-24 (avg. 16)	F/G	G	F/G		4	Union at base (7 stems)	Remove
281	Eastern White Cedar	<i>Thuja occidentalis</i>	20.5	F/G	G	F/G		3	Lean (L), asymmetrical crown (M)	Preserve
282	Eastern White Cedar	<i>Thuja occidentalis</i>	24, 22, 10	F/G	G	F/G		3	Union at base	Preserve
283	Eastern White Cedar	<i>Thuja occidentalis</i>	22	G	G	F/G		2		Preserve
284	Eastern White Cedar	<i>Thuja occidentalis</i>	23, 20, 11	F/G	G	F/G		3	Union at base	Preserve
285	Eastern White Cedar	<i>Thuja occidentalis</i>	22	G	G	F/G		2		Preserve
286	Eastern White Cedar	<i>Thuja occidentalis</i>	22, 15	F/G	G	F/G		3	Union at base and 2m with included bark (M)	Preserve
287	Eastern White Cedar	<i>Thuja occidentalis</i>	~20, 20	F/G	G	F/G		3	Union at base	Preserve
288	Eastern White Cedar	<i>Thuja occidentalis</i>	~21, 20, 17	F/G	G	F/G		3	Union at base	Preserve
289	Eastern White Cedar	<i>Thuja occidentalis</i>	18	G	G	F/G		2		Preserve
290	Eastern White Cedar	<i>Thuja occidentalis</i>	17, 16	F/G	G	F/G		2	Union at base	Preserve
291	Eastern White Cedar	<i>Thuja occidentalis</i>	17	G	G	F/G		2		Preserve
292	Eastern White Cedar	<i>Thuja occidentalis</i>	~26, 22, 12	F/G	G	F/G		3	Union at base	Preserve
293	Black Cherry	<i>Prunus serotina</i>	26	F/G	G	F/G		4	Co-dominance in crown	Preserve
294	Eastern White Cedar	<i>Thuja occidentalis</i>	13-25 (avg. 18)	F/G	G	F/G		4	Union at base (6 stems)	Remove
295	Eastern White Cedar	<i>Thuja occidentalis</i>	7-25 (avg. 17)	F	F/G	F/G		4	Union at base (9 stems)	Remove
296	Eastern White Cedar	<i>Thuja occidentalis</i>	18	G	G	G		3		Preserve
297	Red Pine	<i>Pinus resinosa</i>	30	G	G	F		4	Diplodia (L)	Preserve
298	Scots Pine	<i>Pinus sylvestris</i>	~30	G	F/G	F		3	Crook (L)	Remove
299	Scots Pine	<i>Pinus sylvestris</i>	26	G	G	G		3		Preserve
300	Scots Pine	<i>Pinus sylvestris</i>	19	G	G	G		2		Preserve
301	Scots Pine	<i>Pinus sylvestris</i>	17	G	G	F/G		2		Preserve
302	Scots Pine	<i>Pinus sylvestris</i>	15, 13	F/G	G	F/G		2	Union at base	Preserve
303	Scots Pine	<i>Pinus sylvestris</i>	23	G	G	F/G		3		Preserve
304	Scots Pine	<i>Pinus sylvestris</i>	16	G	F	F		2	Asymmetrical crown (H)	Preserve
305	Scots Pine	<i>Pinus sylvestris</i>	19.5, 13	F/G	F/G	F		3	Union at base, crook (M)	Preserve
AJ	Colorado Blue Spruce	<i>Picea pungens</i>	~25	G	G	F/G		3		Remove
AV	Colorado Blue Spruce	<i>Picea pungens</i>	~15	G	G	G		2		Preserve
AW	Colorado Blue Spruce	<i>Picea pungens</i>	~40	G	G	F/G		4		Preserve
306	Eastern White Cedar	<i>Thuja occidentalis</i>	15.5	G	P	P/F	30	2	Dead leader	Remove
307	Eastern White Cedar	<i>Thuja occidentalis</i>	22.5, 18	F/G	G	F/G		4	Union at base, sweep (L)	Preserve
308	Eastern White Cedar	<i>Thuja occidentalis</i>	22	G	G	G		3		Preserve
309	Eastern White Cedar	<i>Thuja occidentalis</i>	6-17 (avg. 13)	F/G	G	F/G		3	Union at base (9 stems)	Preserve
P2	see tally sheet									Remove
P3	see tally sheet									Remove
P4	see tally sheet									Remove

Codes		
DBH	Diameter at Breast Height	(cm)
TI	Trunk Integrity	(G, F, P)
CS	Crow n Structure	(G, F, P)
CV	Crow n Vigor	(G, F, P)
CDB	Crow n dieback	%
DL	Dripline	(m)
~ = Estimate, (VL) = very light, (L) = light, (M) = moderate, (H) = heavy		

Table 2. 100% Tally Sheet**P2**

Location: DiPoce Subdivision, Barrie
Date: 18 April 2018 & 1 November 2018
Surveyor: KH

Stand Analysis Tally (by Species, Size Class and Quality Class) P2 - 100%

Tree Size >>>>	Class	Polewood 10-24 cm		Sawtimber Sizes						Total All Sizes	
				Small 26-36 cm		Medium 38-48 cm		Large 50 cm +			
Species		AGS	UGS	AGS	UGS	AGS	UGS	AGS	UGS	AGS	UGS
Red Maple (<i>Acer rubrum</i>)								1	1	0	1
Sugar Maple (<i>Acer saccharum</i>)						1		1	1	2	1
Yellow Birch (<i>Betula alleghaniensis</i>)		1		5				1		7	0
Green Ash (<i>Fraxinus pennsylvanica</i>)			3							0	3
Apple Species (<i>Malus spp.</i>)		2	28		4					2	32
Red Pine (<i>Pinus resinosa</i>)		2								2	0
White Pine (<i>Pinus strobus</i>)						1				1	0
Scots Pine (<i>Pinus sylvestris</i>)					1					0	1
Eastern Cottonwood (<i>Populus deltoides</i>)		2	6	3	1	2	1			7	8
Black Cherry (<i>Prunus serotina</i>)		13	22	9	6	1	4			23	32
Willow Species (<i>Salix spp.</i>)			23		3					0	26
Eastern White Cedar (<i>Thuja occidentalis</i>)		~950	244	321	21	40	29	4	3	1315	297
Basswood (<i>Tilia americana</i>)								1		1	0
White Elm (<i>Ulmus americana</i>)		3		1						4	0
Total Number of Trees		23	326	339	36	45	34	7	5	1364	401

Description Cedar forest; very few regeneration; few ground cover or shrubs

P3

Location: DiPoce Subdivision, Barrie
Date: 18 April 2018 & 1 November 2018
Surveyor: KH

Stand Analysis Tally (by Species, Size Class and Quality Class) P3 - 100%

Tree Size >>>>	Class	Polewood 10-24 cm		Sawtimber Sizes						Total All Sizes	
				Small 26-36 cm		Medium 38-48 cm		Large 50 cm +			
Species		AGS	UGS	AGS	UGS	AGS	UGS	AGS	UGS	AGS	UGS
Manitoba Maple (<i>Acer negundo</i>)			1							0	1
White Spruce (<i>Picea glauca</i>)		1		9						10	0
Willow Species (<i>Salix spp.</i>)								2		0	2
Eastern White Cedar (<i>Thuja occidentalis</i>)		4								4	0
Total Number of Trees		5	1	9	0	0	0	0	2	14	3

Description Proposed Bridge on both side of the creek

P4

Location: DiPoce Subdivision, Barrie
 Date: 18 April 2018 & 1 November 2018
 Surveyor: KH

Stand Analysis Tally (by Species, Size Class and Quality Class) P4 - 100%

Tree Size >>>>	Class	Polewood 10-24 cm		Sawtimber Sizes						Total All Sizes	
				Small 26-36 cm		Medium 38-48 cm		Large 50 cm +			
Species		AGS	UGS	AGS	UGS	AGS	UGS	AGS	UGS	AGS	UGS
White Birch (<i>Betula papyrifera</i>)		1		3						4	0
Apple Species (<i>Malus spp.</i>)			5							0	5
White Spruce (<i>Picea glauca</i>)		15	1	4		1				20	1
White Pine (<i>Pinus strobus</i>)		6	1			1			1	7	2
Scots Pine (<i>Pinus sylvestris</i>)		12		4		1				17	0
Poplar Species (<i>Populus spp.</i>)		18								18	0
Black Cherry (<i>Prunus serotina</i>)		3	3							3	3
Willow Species (<i>Salix spp.</i>)				1			1			1	1
Eastern White Cedar (<i>Thuja occidentalis</i>)	~500			3			1			504	1
White Elm (<i>Ulmus americana</i>)		3	5	2						5	5
Total Number of Trees		58	15	17	0	3	2	0	1	579	18

Description: Very young cedar forest; most trees are smaller than 10cm
 Other tree species: Black Ash, Lilac

Appendix A. Tree Preservation Fence Detail

NOTES:

1. A TREE'S ROOT SYSTEM GENERALLY GROWS WITHIN 80cm OF THE SURFACE. THE ROOT SYSTEM IS COMPRISED OF LARGE ANCHOR ROOTS WHICH PROVIDE STRUCTURAL SUPPORT, TRANSPORT ROOTS AND A NETWORK OF FEEDER ROOTS WHICH ARE RESPONSIBLE FOR THE MAJORITY OF ABSORPTION FOR BOTH WATER AND NUTRIENTS FROM THE SURFACE.
2. DRIPLINE IS MEASURED TO THE OUTER MOST LIMIT OF BRANCHING WITHIN THE CROWN OF THE TREE. THE FURTHEST DISTANCE SHALL APPLY TO THE ENTIRE PERIMETER OF THE CROWN AS THE "DRIP LINE"
3. WHEN CONSTRUCTION/REMOVALS ARE LIMITED TO ONE SIDE OF A TREE AND/OR GROUP OF TREES THE LIMIT OF PRESERVATION SHALL BE DETERMINED BY THE DRIPLINE. IN THE EVENT INDIVIDUAL TREES ARE BEING PRESERVED WHERE MORE THAN 1/3 OF THE ROOT ZONE WILL BE DISTURBED THE LIMIT OF PRESERVATION SHALL BE 1.5 TO 2 TIMES THE LIMIT OF CANYOPY OR AS DIRECTED BY THE CITY.
4. WITHIN THE DEFINED LIMIT OF PRESERVATION THERE WILL BE:
 - NO CHANGE OR ALTERATION TO EXISTING GRADES
 - NO TRENCING
 - NO REMOVAL OF UNDER STORY VEGETATION
 - NO ADDING OF FILL OR EXCAVATIONS
 - NO STORAGE OF MATERIALS OR EQUIPMENT
 - NO DISPOSAL OF ANY LIQUIDS (i.e. GAS, PAINT, OIL
 - NO INTRUSION BY VEHICLES OR EQUIPMENT
 - NO INTRUSION BY PEDESTRIANS
5. PRESERVATION FENCING TO BE INSTALLED AS PER BSD-23 UTILIZING PAGE WIRE FENCING. FILTER FABRIC IS ONLY REQUIRED AS DIRECTED BY THE APPROVED EROSION CONTROL PLANS
6. NOTICE SIGNAGE TO BE PLACED AT 50m INTERVALS ALONG THE ENTIRE LENGTH OF PRESERVATION FENCING. REFER TO BSD-46A FOR DETAILS

**THIS STANDARD
DOES NOT APPLY TO CITY RIGHTS OF WAY**

	APPR'D: S.R.A.	DATE: 01.12.05	
	DRAWN: WmMc	SCALE: NTS	
NO.	REVISION	APR'D	DATE
CITY OF BARRIE STANDARD			BSD-21A
LIMIT OF TREE PRESERVATION FOR DEVELOPMENT APPROVALS			

Tree Removal Template

Note to Owner: This Notice to be 24 inches high x 36 inches long and posted in a visible location seven days prior to injuring or destroying any vegetation.

NOTICE OF TREE REMOVALS

All vegetation removal work shall occur in accordance with
By-law 2005-120.

Owner: *Name of Owner*

Removals completed by: *Name of person or company retained to work on the vegetation removal on the land.*

For Further Information, please contact: *Address and telephone number of a person action on behalf of the owner from whom further information on the proposed vegetation removal work may be obtained.*

Tree Preservation Area sign template

Note to Owner: This sign to be 11 inches high by 17 inches long and posted at 50 metre intervals along tree preservation fencing, as per the Tree Removal Permit.

TREE PRESERVATION AREA

NO UNAUTHORIZED TREE CUTTING
PERMITTED IN THIS AREA