

**Tree Inventory and Preservation Plan Report
545-565 Big Bay Road – Phase 1
Barrie, Ontario**

prepared for

**Midnight Building
1185 Queensway East, Unit 9A
Mississauga, Ontario**

prepared by



146 Lakeshore Road West
PO Box 1267 Lakeshore W PO
Oakville ON L6K 0B3
t: 289.837.1871
e: consult@kuntzforestry.ca

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KUNTZ FORESTRY CONSULTING Inc. Project P4413

Introduction

Kuntz Forestry Consulting Inc. (KFCI) was retained by Midnight Building to complete an Arborist Report and a Tree Inventory and Preservation Plan as part of a development application for the property located at 545-565 Big Bay Road in Barrie, Ontario. The property is located the south side of Big Bay Road, east of Montgomery Drive within a residential area. This report was prepared for Phase 1 of the development, proposed on the northern portion of the subject site.

The work plan for this study included the following:

- Prepare inventory of all tree resources 10 cm in diameter and larger occurring on subject properties and trees of all sizes within the road right-of-way and on neighbouring properties, with the potential to be impacted by the proposed development;
- Evaluate potential tree saving opportunities based on proposed site plans; and,
- Document the findings in a Tree Inventory and Preservation Plan report.

This report and Figures TP1-TP6 include the following components:

- Tree Preservation/Removal Plan (see Figure TP1)
- Boundary Tree Identification (see Figure TP1)
- Canopy Survey (see Figure TP1)
- Tree Inventory (See Tables 1 and 2 and TP4-TP6)

Methodology

Tree Inventory/Health Assessment/Boundary Tree Identification

Field assessments were conducted on 22 October 2024. All trees greater than 10cm Diameter at Breast Height (DBH) on the subject property, and trees of all sizes within the road right-of-way and on neighbouring property with the potential to be impacted by the proposed work were included in the Tree Inventory/Health Assessment. For the purposes of this report, trees on and within 6 metres of the Phase 1 development limit were included in the inventory (the northern half of the subject property).

Trees were identified and located using KFCI's Trimble GPS Unit, accurate to 0.3m. Trees were tagged using numbers 1007-1019, 1027-1038, 1045-1072, 1078-1086, 1096-1099, 1104, 1121-1164. The remaining tagged trees that were located beyond six metres of the Phase 1 development limit were excluded from this report. Polygons (groups of trees) were identified as P2-P7. Trees within P5 were inventoried by 100% tally, categorizing trees by species, size category, and condition [AGS (Acceptable Growing Stock) and UGS (Unacceptable Growing Stock)]. Refer to TP-1 for locations of trees. Refer to Tables 1 and 2 for the tree inventory and health assessment.

Tree resources included in the inventory were visually assessed for condition utilizing the following parameters:

Tree # – Number assigned to trees that corresponds to Figure 1.

Species – Common and botanical names provided in the inventory table.

DBH – Diameter (cm) at breast height, measured at 1.4m above the ground.

Condition – Condition of tree considering trunk integrity (TI), crown structure (CS) and crown vigor (CV). Condition ratings include poor (P), fair (F), and good (G).

Crown Dieback – Percentage of dead branches within the crown.

Comments – Any other relevant tree condition information.

Canopy Survey

Driplines were estimated by KFCI as annotated on Figure TP-1. Refer to Figure TP-1 for the extent of the canopies, including neighbouring and boundary trees.

Existing Site Conditions

The subject property is currently comprised of residential lots with detached dwellings and associated amenity spaces. Trees exist in the form of landscape trees and natural regeneration. Refer to Figure TP-1 for the existing site conditions.

Individual Tree Resources

The tree inventory documented a total of 114 trees and six tree polygons on and within six metres of the Phase 1 development limits. Refer to Figure TP-1 for the tree locations and Tables 1 and 2 for the complete tree inventory.

Tree resources included in the inventory are composed of Sugar Maple (*Acer saccharum*), White Pine (*Pinus strobus*), Manitoba Maple (*Acer negundo*), Norway Maple (*Acer platanoides*), Eastern White Cedar (*Thuja occidentalis*), Mountain Ash (*Sorbus spp*), Scots Pine (*Pinus sylvestris*), Balsam Fir (*Abies balsamea*), Poplar Species (*Populus sp.*), Silver Maple (*Acer saccharinum*), Honey Locust 'Shademaster' (*Gleditsia triacanthos 'inermis'*), Catalpa (*Catalpa sp.*), Freeman Maple (*Acer x freemanii*), Apple species (*Malus spp.*), Black Cherry (*Prunus serotina*), White Mulberry (*Morus alba*), Willow species (*Salix sp.*), Norway Spruce (*Picea abies*), White Birch (*Betula papyrifera*), and Blue Spruce (*Picea pungens*).

Proposed Development

The proposed development involves the construction of two 6-storey apartment buildings with an associated subsurface parking garage. An access road running east-west between Montgomery Drive and Ashford Drive is also proposed. Refer to Figure TP-1 for the proposed development.

Discussion

The following sections provide a discussion and analysis of development impacts, tree removals and tree preservation relative to both concept plans.

Construction Impacts/Tree Removals

The removal of 89 trees and six tree polygons will be required to accommodate the proposed development.

Trees 1009, 1011-1013, 1015-1018, 1049, 1050, 1055, 1056, 1059, 1065, 1070-1072, 1080, 1082, 1084, 1096-1098, and 1113 conflict with proposed hardscape. Trees 1014, 1027-1032, 1034, 1037, 1038, 1053, 1054, 1061, 1062, 1064, 1115-1137, 1139-1164, and P2-P7 conflict with the proposed subsurface parking garage. Tree 1138 conflicts with the proposed widening of Big Bay Point Road.

The removal of an additional 12 trees, identified as Trees 1010, 1033, 1035, 1036, 1051, 1052, 1060, 1063, 1081, 1083, 1104, and 1114, is recommended due to their poor condition regardless of the site plan.

Tree 1113 is located within the road right-of-way; all other trees identified for removal are located within the boundaries of the subject property.

Tree Preservation

The preservation of the remaining 15 trees, including Trees 1007, 1008, 1019, 1045-1048, 1066, 1069, 1078, 1079, 1085, 1086, 1099, and 1112, will be possible with the use of appropriate tree protection measures as indicated on Figure TP-1. Tree protection measures will have to be implemented prior to demolition to ensure tree resources designated for retention are not impacted by the development. Refer to Figure TP-1 for the location of required tree preservation fencing, general Tree Protection Plan Notes, and the tree preservation hoarding detail.

The City of Barrie requires tree protection fencing to be installed at a tree's dripline. Refer to Figure TP-1 for the location of the driplines of the inventoried trees. Although this level of protection cannot be respected for Trees 1046, 1047, 1066, and 1085, these trees are afforded minimum tree protection zones (mTPZs) that are consistent with standards utilized by surrounding municipalities.

The mTPZs are based on the trunk diameter of the tree, as follows:

Diameter at Breast Height (cm)	Minimum Tree Protection Zone (m) (from edge of stem)
<10	1.2
10 – 29	1.8
30 – 40	2.4
41 – 50	3.0
51 – 60	3.6
61 – 70	4.2
71 – 80	4.8
81 – 90	5.4
91 – 100	6.0
101 – 110	6.6
111 – 120	7.2
121 – 130	7.8
131 – 140	8.4

Trees 1008, 1019, 1046-1048, 1066, and 1085

Encroachment into the minimum tree protection zones (mTPZ's) and/or driplines of Trees 1008, 1019, 1046-1048, 1066, and 1085 will be required during the construction of the proposed hardscape. Prior to construction, designated tree protection fencing must be installed in the location indicated on Figure TP-1. Prior to the construction of the road

and/or sidewalk, a trench must be excavated at the limit of encroachment within the driplines and/or mTPZ's of these trees under the supervision of a Certified Arborist. Roots must be pruned in accordance with Good Arboricultural Practices. The trench must be backfilled with clean topsoil.

Trees 1007, 1008, 1019, 1045-1048, 1066, 1069, 1078, 1079, 1099 and 1112 have been identified for interim preservation. The preservation of these trees will need to be reassessed prior to Phase 2 of the proposed development.

Preservation planning is subject to change pending the provision of a detailed service and grading plan.

Summary and Recommendations

Kuntz Forestry Consulting Inc. was retained by Midnight Building to complete an Arborist Report and a Tree Inventory and Preservation Plan as part of a development application for the property at 545-565 Big Bay Road in Barrie, Ontario. A tree inventory was conducted and reviewed in the context of the proposed site plan.

The findings of the study indicate a total of 114 trees and five tree polygons on and adjacent to the subject area. The removal of 89 trees and six tree polygons will be required to accommodate the proposed development. An additional 12 trees are recommended for removal due to their poor condition. The remaining trees can be preserved with appropriate tree protection measures.

The following recommendations are suggested to minimize impacts to trees identified for preservation. Refer to Figure TP-1 for the location of tree preservation fence and further tree protection plan notes and Figures TP-2 and TP-3 for tree preservation details and drawings.

- Tree protection barriers and fencing should be erected at locations as prescribed on Figure TP-1. All tree protection measures should follow the guidelines as set out in the tree preservation plan notes and the tree preservation fencing details on Figures TP-2 and TP-3.
- Tree protection measures are to be implemented prior to construction to ensure the trees identified for preservation are not impacted by the development.
- Branches and roots that extend beyond prescribed tree protection zones that require pruning must be pruned by a qualified Arborist or other tree professional as approved by the City of Barrie. 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.

Natasha Brooks

Natasha Brooks, B.B.R.M.(EM), CERPIT
Ecologist, ISA Certified Arborist #ON-2906A
Email: natasha.brooks@kuntzforestry.ca
Phone: 289-837-1871 ext.108

Kaylee Harper

Kaylee Harper, B.Sc.Env. Ecology
Ecologist, ISA Certified Arborist #ON-2749A
Email: kaylee.harper@kuntzforestry.ca
Office: 289-837-1871 ext. 105

Limitations of Assessment

Only the tree(s) identified in this report were included in the inventory. The assessment of the trees presented in this report has been made using accepted arboricultural techniques. These may include a visual examination taken from the ground of all the above-ground parts of the 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 of lean (if any), the general condition of the trees and the identification of potentially hazardous trees or recommendations for removal (if applicable). Where trees could not be directly accessed (i.e. due to obstructions, and/or on neighbouring properties), trees were assessed as accurately as possible from nearby vantage points.

Locations of trees provided in the report are determined as accurately as possible based on the best information available. If official survey information is not provided, tree locations in the report may not be exact. Where KFCL's in-house GPS unit is used (if applicable), tree locations are accurate only to the extent that the technology allows, which can be variable based on satellite available, RTK network / cell coverage, canopy coverage, and/or projection transformation limitations. In this case, if trees occur on or near property boundaries, an official site survey may be required to determine ownership utilizing specialized survey protocol to gain precise location.

Furthermore, recommendations made in this report are based on the development plans that have been provided at the time of reporting. These recommendations may no longer be applicable should changes be made to the development plan and/or grading, servicing, or landscaping plans following report submission.

Notwithstanding the recommendations and conclusions made in this report, it must be recognized that trees are living organisms, and their health and vigor constantly change over time. They are not immune to changes in site conditions or seasonal variations in the weather conditions. Any tree will fail if the forces applied to the tree exceed the strength of the tree or its parts.

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

Table 1. Tree Inventory

Location: 545-565 Big Bay Point Road, Barrie

Date: 22 October 2024

Surveyors: KNH

Tree #	Common Name	Scientific Name	DBH	TI	CS	CV	CDB	DL	Ownership	Comments	Action
1007	Sugar Maple	<i>Acer saccharum</i>	42	G	G	FG		6.0	Subject		Preserve
1008	Sugar Maple	<i>Acer saccharum</i>	32.5, 32	F	F	F	10	6.0	Subject	V-union at 1 with included bark epicormic branching (L)	Preserve (Injure)
1009	White Pine	<i>Pinus strobus</i>	32.5	FG	G	FG		4.0	Subject	Lean (L)	Remove
1010	White Pine	<i>Pinus strobus</i>	37	P	P	P	60	5.0	Subject	Lean (H), stem wound (L), growing into 1011 broken branches (H), cavity (H) -> HAZARD	Remove (Condition)
1011	White Pine	<i>Pinus strobus</i>	24.5	F	F	F		2.0	Subject	crown of 1010 caught on trunk, stem wound in crown from base of 1012, narrow crown	Remove
1012	Manitoba Maple	<i>Acer negundo</i>	34	PF	PF	PF	30	8.0	Subject	Bowed (L), cavity (M), V-union at 2 with included bark, Epicormic branching (M)	Remove
1013	White Pine	<i>Pinus strobus</i>	51	G	FG	F	10	4.0	Subject		Remove
1014	Manitoba Maple	<i>Acer negundo</i>	28	PF	PF	F	10	3.0	Subject	Sweep (H), cavity (M), asymmetrical crown(M), Epicormic branching (M)	Remove
1015	Norway Maple	<i>Acer platanoides</i>	20	F	FG	F		4.0	Subject	Lean (M), cavity (L)	Remove
1016	Eastern White Cedar	<i>Thuja occidentalis</i>	12	F	F	F	20	0.0	Subject	Lean (M) crowded	Remove
1017	Manitoba Maple	<i>Acer negundo</i>	29.5	PF	PF	PF	30	6.0	Subject	Sweep (M), broken branches (M), bowing (M), epicormic branching (M)	Remove
1018	Eastern White Cedar	<i>Thuja occidentalis</i>	11	G	FG	FG		2.0	Subject	crowded	Remove
1019	Mountain Ash	<i>Sorbus spp.</i>	19	G	G	G		3.0	Subject		Preserve (Injure)
1027	Norway Maple	<i>Acer platanoides</i>	20	FG	F	G		4.0	Subject	Bowing (L), asymmetrical crown (M)	Remove
1028	Norway Maple	<i>Acer platanoides</i>	22	G	G	G		4.0	Subject		Remove
1029	White Pine	<i>Pinus strobus</i>	40	F	F	F	20	3.0	Subject	V union in crown	Remove
1030	Scots Pine	<i>Pinus sylvestris</i>	30	FG	F	F	20	4.0	Subject	Lean (L)	Remove

1031	Scots Pine	<i>Pinus sylvestris</i>	33	F	F	F	10	4.0	Subject	Lean (L), stem wound (L), Crook (M)	Remove
1032	Manitoba Maple	<i>Acer negundo</i>	21	PF	F	F		5.0	Subject	Bowed (H) Epicormic branching (M)	Remove
1033	Scots Pine	<i>Pinus sylvestris</i>	19	D	D	D	100	0.0	Subject		Remove (Condition)
1034	Scots Pine	<i>Pinus sylvestris</i>	40	FG	F	F	20	5.0	Subject	Lean (L)	Remove
1035	Balsam Fir	<i>Abies balsamea</i>	18	D	D	D	100	0.0	Subject		Remove (Condition)
1036	Scots Pine	<i>Pinus sylvestris</i>	23	D	D	D	100	0.0	Subject		Remove (Condition)
1037	Scots Pine	<i>Pinus sylvestris</i>	29	F	F	F	20	4.0	Subject	Crook (M), sweep (L)	Remove
1038	Scots Pine	<i>Pinus sylvestris</i>	35.5	FG	F	F	20	5.0	Subject	Lean (L), asymmetrical crown (L)	Remove
1045	White Spruce	<i>Picea glauca</i>	28.5	F	PF	PF	30	3.0	Subject	Sweep (L), Asymmetrical crown (M), exposed roots (L)	Preserve
1046	Manitoba Maple	<i>Acer negundo</i>	31, 26	PF	PF	F	20	7.0	Subject	V-union at 0.5 with included bark, bowed (M), included shed (L), Epicormic branching (M)	Preserve (Injure)
1047	White Pine	<i>Pinus strobus</i>	56	G	F	F	10	5.0	Subject	Pruning wounds (M), broken branches (M)	Preserve (Injure)
1048	Manitoba Maple	<i>Acer negundo</i>	31	F	PF	F	10	5.0	Subject	Lean (L), epicormic branching (M) poor form (L), V-union at 3m with included bark	Preserve (Injure)
1049	Manitoba Maple	<i>Acer negundo</i>	27	PF	PF	F	20	5.0	Subject	Sweep (M), bowed (M), Epicormic branching (M) asymmetrical crown (M)	Remove
1050	Manitoba Maple	<i>Acer negundo</i>	30.5	FG	F	F	20	5.0	Subject	Bowed (L), epicormic branching (L)	Remove
1051	Scots Pine	<i>Pinus sylvestris</i>	23	D	D	D	100	0.0	Subject		Remove (Condition)
1052	Scots Pine	<i>Pinus sylvestris</i>	25	D	D	D	100	0.0	Subject		Remove (Condition)
1053	Scots Pine	<i>Pinus sylvestris</i>	23	G	F	F	30	3.0	Subject		Remove
1054	Scots Pine	<i>Pinus sylvestris</i>	39.5	F	F	F	20	4.0	Subject	Lean (L)	Remove
1055	Balsam Fir	<i>Abies balsamea</i>	29.5	G	F	F	20	3.0	Subject		Remove
1056	White Spruce	<i>Picea glauca</i>	30.5	FG	F	F	20	3.0	Subject	Lean (L)	Remove
1059	Manitoba Maple	<i>Acer negundo</i>	35	F	F	F	20	6.0	Subject	Lean (M), Epicormic branching (M)	Remove

1060	Poplar	<i>Populus spp.</i>	28.5	D	D	D	100	0.0	Subject		Remove (Condition)
1061	Scots Pine	<i>Pinus sylvestris</i>	32	FG	F	F	20	5.0	Subject	Crook (L)	Remove
1062	Poplar	<i>Populus spp.</i>	36	FG	F	F	20	4.0	Subject	Lean (L)	Remove
1063	Poplar	<i>Populus spp.</i>	23	D	D	D	100	0.0	Subject		Remove (Condition)
1064	White Pine	<i>Pinus strobus</i>	20	G	F	FG		3.0	Subject	crowded narrow crown	Remove
1065	Manitoba Maple	<i>Acer negundo</i>	22, 17	PF	PF	F	20	4.0	Subject	V-union at 0.5 w included bark and two stems cut at union, Lean (M) Epicormic branching (M), bowed (M)	Remove
1066	Silver Maple	<i>Acer saccharinum</i>	9-42	F	FG	FG		8.0	Subject	V-union at 0.5 and 1 with included bark epicormic branching (L), Lean (L-M)	Preserve (Injure)
1069	Pear species	<i>Pyrus sp.</i>	14	FG	F	F		2.0	Subject	Lean (L), Epicormic branching (M)	Preserve
1070	White Spruce	<i>Picea glauca</i>	27	FG	G	FG		3.0	Subject	Lean (L)	Remove
1071	White Spruce	<i>Picea glauca</i>	19.5	PF	F	F	30	2.0	Subject	crowded, v-crack in stem	Remove
1072	Silver Maple	<i>Acer saccharinum</i>	56, 47, 38	F	FG	F	10	10.0	Subject	V-union at 1 with included bark	Remove
1078	Manitoba Maple	<i>Acer negundo</i>	49	PF	P	F	20	6.0	Subject	Poor form (H), multiple branch attachment with poor branch union, Epicormic branching (M), Lean (L)	Preserve
1079	Red Oak	<i>Quercus rubra</i>	11	FG	F	G		2.0	Subject	Lean (L) asymmetrical crown (M)	Preserve
1080	Manitoba Maple	<i>Acer negundo</i>	35	PF	F	PF	30	6.0	Subject	Cavity (M), Lean (M), fruiting bodies, Epicormic branching (M)	Remove
1081	Silver Maple	<i>Acer saccharinum</i>	55	P	PF	PF	20	8.0	Subject	Lean (M), broken branches (H) decay (L), bowed ((M), asymmetrical crown (H) - > HAZARD	Remove (Condition)
1082	Silver Maple	<i>Acer saccharinum</i>	43	F	FG	F		8.0	Subject	Lean (L), bowed (L), asymmetrical crown (L), sweep (L)	Remove
1083	Silver Maple	<i>Acer saccharinum</i>	28, 22	P	P	PF	40	7.0	Subject	V-union at 0.5 w included bark and decay (M), Epicormic branching (M) , asymmetrical crown (M), Crook (M), poor form (M) -> HAZARD	Remove (Condition)
1084	Silver Maple	<i>Acer saccharinum</i>	50	FG	F	F		7.0	Subject	Lean (L) Epicormic branching (M)	Remove

1085	Honey Locust (shademaster)	<i>Gleditsia triacanthos inermis</i>	37	G	F	F	20	6.0	Subject	Epicormic branching (L)	Preserve (Injure)
1086	Catalpa	<i>Catalpa sp.</i>	43	G	G	FG		5.0	Subject		Preserve
1096	Silver Maple	<i>Acer saccharinum</i>	54.5	F	F	F	10	8.0	Subject	Lean (M) Epicormic branching (M)	Remove
1097	Silver Maple	<i>Acer saccharinum</i>	58,61,~36,~36	F	F	F		9.0	Subject	V-union at 0.5 w included bark epicormic branching (L)	Remove
1098	Freeman Maple	<i>Acer x freemanii</i>	64.5,44	F	F	F	10	11.0	Subject	V-union at base, with included bark Lean (L), borken branch (L)	Remove
1099	Mountain Ash	<i>Sorbus spp.</i>	21	F	FG	G		3.0	Subject	V-union at 2 with included bark	Preserve
1104	Apple species	<i>Malus sp.</i>	32.5	P	F	PF	20	3.0	Subject	Caivty (H), bowing (L), Epicormic branching (M)	Remove (Condition)
1112	Catalpa	<i>Catalpa sp.</i>	86	F	F	F		7.0	Subject	Caity (M), Epicormic branching (M)	Preserve
1113	Norway Maple	<i>Acer platanoides</i>	42	F	FG	FG		5.0	City	V-union at 2 with included bark, Lean (L)	Remove
1114	Manitoba Maple	<i>Acer negundo</i>	73	P	PF	PF	20	6.0	Subject	V-union at 2m with one lost leader at union, cavity (H), Crook (M) Epicormic branching (M) -> HAZARD	Remove (Condition)
1115	Manitoba Maple	<i>Acer negundo</i>	44	PF	PF	PF	30	5.0	Subject	Epicormic branching (M) cavity (L) ssweep (H), V-union at 2 with included bark, broken branch (L)	Remove
1116	Apple species	<i>Malus sp.</i>	23,29,27,19,23	F	F	F	20	4.0	Subject	Union at 1m, pruning wounds (M), stem wound (M), Epicormic branching (M), decay (L) in trunk	Remove
1117	Sugar Maple	<i>Acer saccharum</i>	39.5	PF	FG	PF		5.0	Subject	Cavity (H)	Remove
1118	Red Oak	<i>Quercus rubra</i>	77.5	F	FG	F	10	11.0	Subject	Seam (M), stem wound (M), girdled roots (M)	Remove
1119	ironwood	<i>Ostrya virginiana</i>	20	F	FG	FG		3.0	Subject	V-union at 1.5 with included bark	Remove
1120	Red Oak	<i>Quercus rubra</i>	54	FG	F	F	20	8.0	Subject	Lean (L)	Remove
1121	Sugar Maple	<i>Acer saccharum</i>	33,31,31	F	F	F		6.0	Subject	V-union at 1 with included bark, borken branch (L), epicormic branching (L)	Remove
1122	Norway Maple	<i>Acer platanoides</i>	18	F	G	G		4.0	Subject	Lean (L) Crook (M)	Remove
1123	Norway Maple	<i>Acer platanoides</i>	11	FG	G	G		2.0	Subject	Lean (L)	Remove
1124	Eastern White Cedar	<i>Thuja occidentalis</i>	20,17,14,12.5	F	FG	F		3.0	Subject	V-union at base, and 1 with included bark cl	Remove

1125	Eastern White Cedar	<i>Thuja occidentalis</i>	16,11,10.5	F	FG	F		3.0	Subject	V-union at 0.5 and 1 with included bark	Remove
1126	Eastern White Cedar	<i>Thuja occidentalis</i>	26,18	F	FG	F		3.0	Subject	Lean (L) V-union at 1 with included bark	Remove
1127	Norway Spruce	<i>Picea abies</i>	71	PF	F	F	10	5.0	Subject	V-union at 2 with included bark and sap ooze and seam (M), crossing branches, epicormic branching (L)	Remove
1128	Manitoba Maple	<i>Acer negundo</i>	24	PF	F	F	10	6.0	Subject	Lean (H), Epicormic branching (M)	Remove
1129	Eastern White Cedar	<i>Thuja occidentalis</i>	32.5,18.5,14.5,11,14,8	F	F	F		3.0	Subject	V-union at base, with included bark, sweep (M), multiple branch attachment with poor branch unions	Remove
1130	Eastern White Cedar	<i>Thuja occidentalis</i>	17,16,12,13.5,13,11,15	F	F	F	20	3.0	Subject	V-union at base, and 0.5 with included bark, Lean (L)	Remove
1131	Eastern White Cedar	<i>Thuja occidentalis</i>	24,14,12,10,10	PF	F	F		3.0	Subject	V-union at base, with included bark Lean (L), stem wound (M)	Remove
1132	Apple species	<i>Malus sp.</i>	20,15,14,12	PF	F	PF	10	3.0	Subject	V-union at base, and 1.5 with included bark with decay (M) in trunk, Crook (M), Epicormic branching (M)	Remove
1133	Black Cherry	<i>Prunus serotina</i>	13	F	F	FG		4.0	Subject	Lean (L), bowed (M), asymmetrical crown (M)	Remove
1134	Apple species	<i>Malus sp.</i>	19,15,12	PF	P	P	70	3.0	Subject	V-union at 1 w included bark and decay (H), epicormic branching (H)	Remove
1135	Eastern White Cedar 'Emerald'	<i>Thuja occidentalis</i> 'Emerald'	25,20,13	F	FG	G		2.0	Subject	V-union at base, and 1.5 with included bark, Lean (L)	Remove
1136	Eastern White Cedar 'Emerald'	<i>Thuja occidentalis</i> 'Emerald'	22,30	F	FG	G		2.0	Subject	V-union at base, and 1.5 with included bark, Lean (L)	Remove
1137	White Mulberry	<i>Morus alba</i>	11-20.5	PF	PF	PF	20	3.0	Subject	V-union at base, Epicormic branching (M) crossing branching, stem wound (M), decay in trunk	Remove
1138	Manitoba Maple	<i>Acer negundo</i>	28,21	PF	PF	PF	30	5.0	Subject	V-union at 0.5 with included bark, epicormic branching (H)	Remove
1139	Eastern White Cedar	<i>Thuja occidentalis</i>	17	F	G	FG		2.0	Subject	Lean (L), stem wound (M)	Remove
1140	Willow species	<i>Salix sp.</i>	~96	P	P	P		3.0	Subject	trunk cut at 2 suckers off stump decay (M) in stump	Remove
1141	Manitoba Maple	<i>Acer negundo</i>	12	F	F	F		3.0	Subject	Lean (M) Epicormic branching (M)	Remove

1142	Willow species	<i>Salix sp.</i>	~124	P	P	P		3.0	Subject	trunk cut at 3m, suckers off stump decay (H) in stump	Remove
1143	Manitoba Maple	<i>Acer negundo</i>	24.5	PF	F	F	10	4.0	Subject	Inlcuded fence (H), Crook (M) Epicormic branching (M)	Remove
1144	White Spruce	<i>Picea glauca</i>	59	F	FG	F		4.0	Subject	V-union in crown	Remove
1145	White Birch	<i>Betula papyrifera</i>	47	G	FG	F	10	5.0	Subject		Remove
1146	Silver Maple	<i>Acer saccharinum</i>	56	F	F	F		5.0	Subject	V-union at 1.5 with included bark Epicormic branching (M)	Remove
1147	Manitoba Maple	<i>Acer negundo</i>	24,22,24.5	PF	PF	PF	20	4.0	Subject	V-union at base, with included bark epicormic branching (H) two seam spiral, Lean (M)	Remove
1148	Manitoba Maple	<i>Acer negundo</i>	37	F	F	F	20	6.0	Subject	Lean (M), Epicormic branching (M)	Remove
1149	Manitoba Maple	<i>Acer negundo</i>	69	PF	F	PF	20	8.0	Subject	V-union at 3 with included bark and seamh Epicormic branching (M) decay (M) in trunk	Remove
1150	Manitoba Maple	<i>Acer negundo</i>	15	F	F	F	10	3.0	Subject	Crook (M), Epicormic branching (M)	Remove
1151	Manitoba Maple	<i>Acer negundo</i>	41	PF	F	F	30	8.0	Subject	Lean (H), included fence (M), Epicormic branching (M)	Remove
1152	Manitoba Maple	<i>Acer negundo</i>	43,38	PF	F	F	20	9.0	Subject	V-union at base, with included bark Lean (M), bowing (M), Epicormic branching (M)	Remove
1153	Manitoba Maple	<i>Acer negundo</i>	34	FG	F	F	10	5.0	Subject	Bowing (L), Epicormic branching (M)	Remove
1154	Manitoba Maple	<i>Acer negundo</i>	52.5,37.5	F	F	F	20	10.0	Subject	V-union at base, w included bark Lean (M) Epicormic branching (M)	Remove
1155	Manitoba Maple	<i>Acer negundo</i>	38	PF	F	F	10	6.0	Subject	Sweep (M), Epicormic branching (M) decay (M) at base	Remove
1156	Manitoba Maple	<i>Acer negundo</i>	12,7,7,6.5	F	F	F		3.0	Subject	Multiple branch attachment with poor branch unions, Epicormic branching (M) V-union at base with included bark	Remove
1157	Norway Spruce	<i>Picea abies</i>	29.5	G	PF	PF	30	3.0	Subject	Epicormic branching (M)	Remove
1158	Norway Spruce	<i>Picea abies</i>	47.5	G	F	F		4.0	Subject	Epicormic branching (M)	Remove
1159	Balsam Fir	<i>Abies balsamea</i>	11.5	G	G	G		1.0	Subject		Remove
1160	Balsam Fir	<i>Abies balsamea</i>	10.5	FG	F	F	20	1.0	Subject	Lean (L)	Remove

1161	White Birch	<i>Betula papyrifera</i>	43,28.5	FG	F	F	20	6.0	Subject	V-union at base, Lean (L) epicormic branching (L), broken branch (L)	Remove
1162	Apple species	<i>Malus sp.</i>	31.5	PF	PF	PF	10	4.0	Subject	Pruning wounds (M), stem wound (M), Lean (M) bm Epicormic branching (M)	Remove
1163	Blue Spruce	<i>Picea pungens</i>	45.5	F	PF	PF	30	3.0	Subject	Lean (L) Epicormic branching (M) decay (L) in trunk	Remove
1164	White Pine	<i>Pinus strobus</i>	67	FG	G	FG		5.0	Subject	Lean (L)	Remove
P2	Eastern White Cedar	<i>Thuja occidentalis</i>	10-21.5	F	F	F		3.0	Subject	~20 trees	Remove
P3	Eastern White Cedar	<i>Thuja occidentalis</i>	8-21	F	F	F			Subject	5 trees	Remove
P4	Eastern White Cedar	<i>Thuja occidentalis</i>	~12-16	F	F	F		4.0	Subject	23 trees	Remove
P5	See Table 2										Remove
P6	Eastern White Cedar	<i>Thuja occidentalis</i>	~10-28	FG	FG	FG		2.0	Subject	5 trees	Remove
P7	Eastern White Cedar	<i>Thuja occidentalis</i>	~10-20	FG	FG	FG		2.0	Subject	47 trees, one tree dead	Remove

Codes		
DBH	Diameter at Breast Height	(cm)
TI	Trunk Integrity	(G, F, P, D)
CS	Crown Structure	(G, F, P, D)
CV	Crown Vigor	(G, F, P, D)
CDB	Crown Die Back	(%)
CW	Crown Width	(m)
~ = estimate; (L) = light; (M) = moderate; (H) = heavy G = good; F = fair; P = poor; D = dead		

Table 2. 100% Tally Stand Analysis

Location: 545-565 Big Bay Point Road, Barrie

Date: 22 October 2024

Compartment Number: P5

Surveyor: KNH

Stand Analysis Tally (by Species, Size Class and Quality Class)

Tree Size Class >>>>	Polewood 10-29 cm		Sawtimber Sizes						Total All Sizes	
			Small 30-40cm		Medium 41-50cm		Large 51cm +			
Species	AGS	UGS	AGS	UGS	AGS	UGS	AGS	UGS	AGS	UGS
<i>Siberian Elm</i>	22	23	3	3	1	0	0	0	26	26
<i>Manitoba Maple</i>	5	1	0	0	0	0	0	0	5	1
<i>Poplar Species</i>	2	0	0	0	0	0	0	0	2	0
TOTAL	29	24	3	3	1	0	0	0	33	27