

**Tree Inventory and Preservation Plan Report
17 Jacobs Terrace
Barrie, Ontario**

prepared for

Tonlu Holdings Ltd.

prepared by



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KUNTZ FORESTRY CONSULTING Inc. Project P2720

Introduction

Kuntz Forestry Consulting Inc. was retained by Tonlu Holdings Ltd. to complete a Tree Inventory and Preservation Plan Report in support of a development application for the property located at 17 Jacobs Terrace in Barrie, Ontario. The property is located at the northeast corner of the Jacobs Terrace and Innisfil Street intersection, within a mixed-use area.

The work plan for this study included the following:

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

Methodology

Field assessments were conducted on 27 May 2021. Trees were located using the topographic survey provided and estimations made in-field. Trees on the subject property and on the property boundary were tagged with the numbers 1 – 32 and 935 – 1000. Trees on neighbouring properties were identified as N1 – N9. Where trees were located in groups, they were identified with the prefix “P”.

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

Tree # - numbers assigned to trees that corresponds to Figure TP-1.

Species - common and botanical names provided in the inventory table (Table 1).

DBH - diameter (centimeters) at breast height, measured at 1.4 metres above the ground.

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

Dripline – size of crown radius, as measured from the stem to the outermost reaches of the branches.

Crown Dieback – the percentage of dead branches located in the crown.

Comments - additional relevant detail.

Where trees were situated in groups, they were inventoried in tree polygons. Trees within a tree polygon were inventoried using a 100% tally analysis by species, size class, and quality. Trees with a DBH of 10cm or greater were included in the stand tally analysis. Trees in polygons were assessed for condition utilizing the following parameters:

Species: Common and botanical names provided in the inventory table;

Size Class (DBH): 10 – 24cm, 26 – 36cm, 38 – 48cm, 50cm +

Quality Class: Acceptable Growing Stock (AGS), Unacceptable Growing Stock (UGS)

Trees classified as AGS are trees exhibiting no major defects in the bole and a relatively good crown structure and vigour. Trees classified as UGS are trees exhibiting a major defect in the bole or a relatively poor crown structure or vigour.

Refer to Table 1, Table 2, and Figure TP-3 for the results of the tree inventory and Figure TP-1 for the location of the trees.

Since the original tree inventory, Trees 949-959 and P960 (located along the property boundary between 17 Jacobs Terrace and 280 Innisfil Street, which is also owned by the applicant) have been removed.

Existing Site Conditions

The subject site is approximately 0.9 hectares in size and consists of two industrial buildings with an associated above-ground parking lot. The subject property is bordered by commercial properties to the east and west, Jacobs Terrace to the north, and residential dwellings to the south. Trees exist in the form of landscape trees and natural regeneration.

The tree inventory documented a total of 105 trees and two tree polygons located on and within six metres of the subject property (12 of which have been removed). Refer to Figure TP-1 for tree locations and Table 1 for the complete tree inventory. Tree resources included in the inventory are composed of Manitoba Maple (*Acer negundo*), Norway Maple (*Acer platanoides*), Sugar Maple (*Acer saccharum*), White Birch (*Betula papyrifera*), White Ash (*Fraxinus americana*), Green Ash (*Fraxinus pennsylvanica*), Black Walnut (*Juglans nigra*), Austrian Pine (*Pinus nigra*), Scots Pine (*Pinus sylvestris*), Poplar species (*Populus* sp.), Eastern White Cedar (*Thuja occidentalis*), and Siberian Elm (*Ulmus pumila*).

The tree resources on site are comprised of single-row boundary trees along the western and eastern perimeters (fencerow features), and groupings of trees contiguous with existing neighbouring residential development to the south. Single-tree linear hedgerows typically do not qualify as woodlands, and the canopy along the southern boundary is comprised of the fencerow on site, and individual landscape trees on neighbouring sites. As such, it is KFCI's opinion that the tree resources on and adjacent to the site do not qualify as a woodlot.

Proposed Development

The proposed development includes the demolition of the existing structures and the construction of one 24-storey tower and one 26-storey tower with associated landscaped areas, parking, and amenity areas. Vehicular access will be possible from Jacobs Terrace. 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.

Development Impacts/Tree Removals

The removal of Trees 1 – P18, 22-30, 32, 935-948, 961, 964-969, 972-974, 976, 978, 979, 981-985, 987, 990, 997, and 998 will be required in order to accommodate the proposed development.

Tree 1 conflicts with the proposed building. Tree 2 is located within the road widening block and requires removal to accommodate the new streetscape design. Trees along

the western property boundary, including Trees 3-P18 require removal to accommodate the civil design through this area, including a swale along the western boundary. Trees along the eastern boundary, including Trees 935-948 and 961 require removal to accommodate the proposed laneway, which extends south from Jacobs Terrace to the southeast corner of the site.

Along the southern property boundary there is a swale proposed, and a “future roadway” (not part of the current construction proposal). The proposed swale conflicts with the stems and/or driplines of trees along this boundary, including Trees 22-30, 32, 964-969, 972-974, 976, 978, 979, 981-985, 987, 990, 997, and 998.

Of these trees identified for removal due to the development, Trees 13, 15, P18-20, 22, 940, 947, 962-964, 969, 980, 983, and 997 are in poor condition or dead and their removal would have been advised regardless of the site plan.

Trees 19, 20, 962, 963, and 980 are identified for removal due to their condition alone, but could otherwise have been preserved in the context of the development. Tree 963 is a hazard tree, and its imminent removal is advised.

Trees 9-12, 14-P18, 935-940, 943, 944, and 946 are shared with neighbouring property owners (see Table 1 for ownership details). Permission from these property owners is required prior to their removal.

Refer to Figure TP-1 for the location of tree removals.

Tree Preservation

Preservation of the remaining trees will be possible with appropriate tree protection measures as indicated on Figure TP-1. Tree protection measures must be implemented prior to the proposed work to ensure tree resources designated for retention are not impacted by the proposed development. Refer to Figure TP-1 for the location of required tree preservation fencing and general Tree Protection Plan Notes, and Figure TP-3 for tree preservation fencing details and specifications. All trees identified for removal can be fully protected at their dripline.

Trees 975, 993, and N1-N4 would be recommended for removal due to their condition, but are neighbouring or shared trees and can be preserved in the context of the development and therefore are shown to be preserved. It is recommended that the neighbouring property owners be made aware of their condition and the recommendation for their removal. Trees N1-N4 are fully dead.

Summary and Recommendations

Kuntz Forestry Consulting Inc. was retained by Tonlu Holdings Ltd. to complete a Tree Inventory and Preservation Plan Report in support of a development application for a property situated at 17 Jacobs Terrace 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 105 trees and two tree polygons situated on and adjacent to the subject property (12 of which have been removed). The removal of 69 trees or tree polygons will be required to accommodate the proposed development and /

or due to condition. All other 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 Figure TP-3 for the tree preservation fence detail.

- 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-1 and TP-3.
- Tree protection measures are to be implemented prior to the demolition phase 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.

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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 (ie. 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 location in the report may not be exact. 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 site plans that have been provided at the time of reporting. These recommendations may no longer be applicable should changes be made to the site 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: 17 Jacobs Terrace, Barrie

Date: 27 May 2021
Surveyors: KD

Tree #	Common Name	Scientific Name	DBH	TI	CS	CV	CDB	DL	Comments	Tree Category	Owner	Preservation Value	Protection Level	Action
1	White Birch	<i>Betula papyrifera</i>	12, 10	G	F-G	G	5	2	Union at 0.75 metres, sweep (L)	Individual	Private (subject site)	-	-	Remove
2	Scots Pine	<i>Pinus sylvestris</i>	30, 30	G	F-G	G		2.5	Co-dominant stems at base	Individual	Private (subject site)	-	-	Remove
3	Eastern White Cedar	<i>Thuja occidentalis</i>	~18	F	F-G	F		1	Fused to Tree 4, browning needles (L), co-dominant stems at 3 metres, suppressed, sweep (L)	Individual	Private (subject site)	-	-	Remove
4	Manitoba Maple	<i>Acer negundo</i>	40	F	F	F		6	Sweep (M), co-dominant stems at 2.5 metres, pruning wounds (L), coppice growth (M), epicormic branching (M)	Individual	Private (subject site)	-	-	Remove
5	Manitoba Maple	<i>Acer negundo</i>	28, ~25	F-G	F	F		5	Co-dominant stems at base, coppice growth (M), epicormic branching (M), sweep (L)	Individual	Private (subject site)	-	-	Remove
6	Manitoba Maple	<i>Acer negundo</i>	30, 28	F-G	F-G	F		5	Co-dominant stems at 1.25 metres, coppice growth (M), epicormic branching (M), divergent stems (L)	Individual	Private (subject site)	-	-	Remove
7	Manitoba Maple	<i>Acer negundo</i>	28, 27, 19	F-G	F	F-G		6	Co-dominant stems at base and 1.25 metres, included bark (L), coppice growth (L), epicormic branching (M)	Individual	Private (subject site)	-	-	Remove
8	Manitoba Maple	<i>Acer negundo</i>	~30, 22, 17, 16	F	F	F		4	Union at base, multi-stem at 1.25 metres, included fence (L)	Individual	Private (subject site)	-	-	Remove
9	Manitoba Maple	<i>Acer negundo</i>	~28, 25	F	F-G	F		4	Included fence (M), co-dominant stems at base, coppice growth (L), sweep (L)	Boundary Hedgerow	Shared (subject site and 159 Anne St)	-	-	Remove
10	Manitoba Maple	<i>Acer negundo</i>	25, ~23, ~20, ~20, 14	F	F	F		5	Included fence (M), multi-stem at base, cavity (L) at union, epicormic branching (M)	Boundary Hedgerow	Shared (subject site and 159 Anne St)	-	-	Remove

11	Manitoba Maple	<i>Acer negundo</i>	~23, ~20, ~20,	F	F	F		4	Multi-stem at base, bow (L), included fence (M), fused bark, pruning wounds (M)	Boundary Hedgerow	Shared (subject site and 159 Anne St)	-	-	Remove
12	Manitoba Maple	<i>Acer negundo</i>	~20	F	F	F		3.5	Some branches topped at 2 metres, epicormic branching (M), bow (M), included fence (M)	Boundary Hedgerow	Shared (subject site and 159 Anne St)	-	-	Remove
13	Poplar species	<i>Populus</i> spp.	~20	P-F	F-G	P	95	1.5	Included fence (H)	Boundary Hedgerow	Private (subject site)	-	-	Remove
14	Manitoba Maple	<i>Acer negundo</i>	21, ~18, ~14	F	F	F	20	4	Epicormic branching (H), multi-stem at base, included fence (M), deadwood (L)	Boundary Hedgerow	Shared (subject site and 159 Anne St)	-	-	Remove
15	Manitoba Maple	<i>Acer negundo</i>	~13, ~10, ~7	P-F	P-F	P-F	40	2.5	Two stems topped at 2 metres, multi-stem at base, included fence (M)	Boundary Hedgerow	Shared (subject site and 159 Anne St)	-	-	Remove
16	Black Walnut	<i>Juglans nigra</i>	~20	F-G	G	F		2.5	Included fence (M), sparse crown (L)	Boundary Hedgerow	Shared (subject site and 159 Anne St)	-	-	Remove
17	Manitoba Maple	<i>Acer negundo</i>	11	F	F	P-F	25	3	Sweep (L), bow (L), epicormic branching (H), stem wound (L) at 2 metres	Boundary Hedgerow	Shared (subject site and 159 Anne St)	-	-	Remove
P18	Refer to Table 2									Boundary Hedgerow	Shared (subject site and 159 Anne St)	-	-	Remove
19	Austrian Pine	<i>Pinus nigra</i>	38	F	F	P-F	60	2.5	Co-dominant stems 1.5 metres, included bark (H), one stem dead	Group	Private (subject site)	-	-	Remove (Condition)
20	Manitoba Maple	<i>Acer negundo</i>	33	-	-	-	-	-	Dead	Group	Private (subject site)	-	-	Remove (Condition)

21	Manitoba Maple	<i>Acer negundo</i>	11	P-F	F-G	F-G		1.5	Stem wound (H) at 2 metres	Boundary Group	Shared (subject site and 163 Anne St)	Medium	1	Retain
22	Austrian Pine	<i>Pinus nigra</i>	30	P-F	P	P	75	3.5	Lost leader	Group	Private (subject site)	-	-	Remove
23	Manitoba Maple	<i>Acer negundo</i>	~55, 28	F	P-F	F-G		8	Union at 0.75 metres, co-dominant stems at 2 metres, divergent stems (H)	Group	Private (subject site)	-	-	Remove
24	Austrian Pine	<i>Pinus nigra</i>	26	F-G	F-G	F	15	3	Co-dominant stems in crown	Group	Private (subject site)	-	-	Remove
25	Austrian Pine	<i>Pinus nigra</i>	39	F-G	G	F-G	20	3	Deadwood (M)	Group	Private (subject site)	-	-	Remove
26	Manitoba Maple	<i>Acer negundo</i>	12	F	F	F	30	2	Sweep (M)	Group	Private (subject site)	-	-	Remove
27	Manitoba Maple	<i>Acer negundo</i>	19	F	F	F-G		3	Sweep (H)	Group	Private (subject site)	-	-	Remove
28	Austrian Pine	<i>Pinus nigra</i>	37	G	F-G	G		5	Asymmetrical crown (M), crooks (M), co-dominant stems in crown	Group	Private (subject site)	-	-	Remove
29	Manitoba Maple	<i>Acer negundo</i>	28	F	P-F	F-G		4	Sweep (H)	Group	Private (subject site)	-	-	Remove
30	Manitoba Maple	<i>Acer negundo</i>	10	F	F	F		2.5	Sweep (M)	Group	Private (subject site)	-	-	Remove
31	Austrian Pine	<i>Pinus nigra</i>	38	G	G	G		2.5		Group	Private (subject site)	High	2	Retain
32	Manitoba Maple	<i>Acer negundo</i>	33	F	P-F	F-G	25	6	Included fence (L), bow (H), deadwood (M)	Group	Private (subject site)	-	-	Remove
935	Manitoba Maple	<i>Acer negundo</i>	~65, ~40, 27, 23	F	F	F-G		9	Included fence (H), multi-stem at base, pruning wounds (M), coppice growth (M), stem wound (L)	Boundary	Shared (subject site and 272 Innisfil St)	-	-	Remove
936	Manitoba Maple	<i>Acer negundo</i>	29	F	F-G	F-G		5	Included fence (M), coppice growth (M), sweep (M)	Boundary tree	Shared (subject site and 272 Innisfil St)	-	-	Remove

937	Manitoba Maple	<i>Acer negundo</i>	~40, ~30, ~20, ~20, ~10	F	F	F		6	Multi-stem at base, coppice growth (M), included fence (H), pruning wounds (M), epicormic branching (M), deadwood (L)	Boundary	Shared (subject site and 272 Innisfil St)	-	-	Remove
938	Manitoba Maple	<i>Acer negundo</i>	~43, ~10	P-F	F	F		5	Cavity (M) at base from previous stem failure, coppice growth (M), deadwood (L), epicormic branching (M)	Boundary tree	Shared (subject site and 272 Innisfil St)	-	-	Remove
939	Manitoba Maple	<i>Acer negundo</i>	5 - 23	P-F	P-F	P-F		3.5	Multi-stem at base (~10 stems), many stems topped at 2 metres, included fence (M), cavities (M), vine competition (M), epicormic branching (H)	Boundary Group	Shared (subject site and 272 Innisfil St)	-	-	Remove
940	Manitoba Maple	<i>Acer negundo</i>	~35, ~30, ~25	P	P-F	F		4	Included fence (M), fungal fruiting body at 1.5 metres, included bark (H), multi-stem at 0.75 metres	Boundary Group	Shared (subject site and 272 Innisfil St)	-	-	Remove
941	Black Walnut	<i>Juglans nigra</i>	33	F-G	F-G	F-G		5	Bow (L)	Group	Private (subject site)	-	-	Remove
942	Black Walnut	<i>Juglans nigra</i>	35	G	G	G		4	Asymmetrical crown (L)	Group	Private (subject site)	-	-	Remove
943	Manitoba Maple	<i>Acer negundo</i>	~15, ~10	F	P-F	F		2	Large stem topped at 2 metres, included fence (M), co-dominant stems at base, epicormic branching (M)	Boundary Group	Shared (subject site and 272 Innisfil St)	-	-	Remove
944	Manitoba Maple	<i>Acer negundo</i>	~40, ~30, ~10, ~10	F	P-F	F		7	Multi-stem at base, included fence (M), divergent stems (M), coppice growth (H)	Boundary Group	Shared (subject site and 272 Innisfil St)	-	-	Remove
945	Manitoba Maple	<i>Acer negundo</i>	25	P-F	P-F	F		4	Sweep (H), deadwood (M), broken branches (M), coppice growth (M), cavity (M) at 2 metres	Group	Private (subject site)	-	-	Remove
946	Manitoba Maple	<i>Acer negundo</i>	~17, ~10	P	F	P	95	2	Included fence (H), almost dead	Boundary tree	Shared (subject site and 272 Innisfil St)	-	-	Remove
947	Manitoba Maple	<i>Acer negundo</i>	43, 37	P-F	F	P	75	5	Co-dominant stems at 0.5 metres, included bark (M),	Individual	Private (subject site)	-	-	Remove

									pruning wounds (M), root damaged (H)					
948	Manitoba Maple	<i>Acer negundo</i>	37	P-F	P-F	F		8	Pruning wounds (H), deadwood (M), bow (H), coppice growth (M), poor form, asymmetrical crown (H)	Individual	Private (subject site)	-	-	Remove
949	Siberian Elm	<i>Ulmus pumila</i>	22	P-F	F-G	P-F	-	2.5	Disturbance within root zone, low vigour	Individual	Private (subject site)	-	-	Tree has been removed
950	Manitoba Maple	<i>Acer negundo</i>	~45	P-F	P-F	F	-	6	Included fence (H), coppice growth (M), multi stem at 1.25 metres, divergent stems (M), cavity (M) at 2 metres	Boundary tree	Shared (subject site and 280 Innisfil St)	-	-	Tree has been removed
951	Manitoba Maple	<i>Acer negundo</i>	26, 22	F	P-F	F	-	4	Included fence (L), deadwood (M), coppice growth (L), crook (M), co-dominant stems at base, stem wound (M) at 0.5 metres, epicormic branching (H)	Group	Private (subject site)	-	-	Tree has been removed
952	Siberian Elm	<i>Ulmus pumila</i>	~55, ~45, ~30, 29, 18	F	F	P	75	7	One stem dead, broken branches (M), deadwood (M), multi stem at 0.5 metres, included bark (M)	Group	Private (subject site)	-	-	Tree has been removed
953	Manitoba Maple	<i>Acer negundo</i>	19, 9	F	F	F-G	-	2.5	Union at base, asymmetrical crown (M)	Group	Private (subject site)	-	-	Tree has been removed
954	Black Walnut	<i>Juglans nigra</i>	~12	F-G	F	F-G	40	2.5	Bow (M), asymmetrical crown (M)	Group	Private (subject site)	-	-	Tree has been removed
955	Manitoba Maple	<i>Acer negundo</i>	20, ~10	P-F	P-F	F	-	1.5	Coppice growth (M), union at 1.25 metres, topped at 2 metres	Group	Private (subject site)	-	-	Tree has been removed
956	Manitoba Maple	<i>Acer negundo</i>	15, ~10	F	F	F-G	-	3	Co-dominant stems at base, bow (L), pruning wounds (H), coppice growth (L)	Group	Private (subject site)	-	-	Tree has been removed
957	Black Walnut	<i>Juglans nigra</i>	~50	F	F-G	F-G	-	5	Included fence (M)	Boundary Group	Shared (subject site and 280 Innisfil St)	-	-	Tree has been removed
958	Manitoba Maple	<i>Acer negundo</i>	38, 13, ~10	F-G	F	F-G	-	5	Union at 1 metre, broken branches (M), epicormic branching (M)	Group	Private (subject site)	-	-	Tree has been removed
959	Manitoba Maple	<i>Acer negundo</i>	~35	P-F	F	F-G	-	5	Included fence (H), coppice growth (M), sweep (M)	Boundary Group	Shared (subject site and 280 Innisfil St)	-	-	Tree has been removed

P960	Refer to Table 2									Boundary Group	Shared (subject site and 280 Innisfil St)	-	-	Tree has been removed
961	Black Walnut	<i>Juglans nigra</i>	33	G	G	G		3.5	Deadwood (L)	Group	Private (subject site)	-	-	Remove
962	Sugar Maple	<i>Acer saccharum</i>	27	F-G	G	P-F	40	2.5	Deadwood (H), top-down dieback	Individual	Private (subject site)	-	-	Remove (Condition)
963	Manitoba Maple	<i>Acer negundo</i>	24	P	P-F	F		3	Lean (M), crown resting in Tree 962, root plate failing, epicormic branching (H) --> Hazard	Individual	Private (subject site)	-	-	Remove (Condition)
964	Manitoba Maple	<i>Acer negundo</i>	5 - 55	P-F	P-F	F		6	Multi-stem at base, 9 stems, 4 stems dead or topped, vertical crack (H) and lean (H) on one stem, epicormic branching (M), coppice growth (M)	Individual	Private (subject site)	-	-	Remove
965	Austrian Pine	<i>Pinus nigra</i>	32	F-G	F-G	G		2.5	Vine competition (L), co-dominant stems in crown	Group	Private (subject site)	-	-	Remove
966	Austrian Pine	<i>Pinus nigra</i>	38	F-G	F-G	P-F		3	Vine competition (M), low vigour	Group	Private (subject site)	-	-	Remove
967	Austrian Pine	<i>Pinus nigra</i>	31	F-G	F-G	G		3	Vine competition (M), crook (M)	Group	Private (subject site)	-	-	Remove
968	Norway Maple	<i>Acer platanoides</i>	12	F-G	F-G	G		1.5	Stem wound (L) at 0.25 metres	Group	Private (subject site)	-	-	Remove
969	Austrian Pine	<i>Pinus nigra</i>	29	-	-	-	-	-	Dead	Group	Private (subject site)	-	-	Remove
970	Norway Maple	<i>Acer platanoides</i>	31	F-G	G	G		3	Included fence (L), seam (L)	Boundary Group	Shared (subject site and 20 Caroline St)	High	1	Retain
971	Sugar Maple	<i>Acer saccharum</i>	~26	G	G	G		2.5		Boundary Group	Shared (subject site and 20 Caroline St)	High	1	Retain
972	Black Walnut	<i>Juglans nigra</i>	43	F-G	F-G	F-G		4	Broken branches (M), asymmetrical crown (L), stem wound (H) from broken branch	Group	Private (subject site)	-	-	Remove

973	Austrian Pine	<i>Pinus nigra</i>	39	F-G	F	F-G		4	Vine competition (M), asymmetrical crown (M)	Group	Private (subject site)	-	-	Remove
974	Austrian Pine	<i>Pinus nigra</i>	38	F-G	F-G	G		4	Co-dominant stems at 3.5 metres, asymmetrical crown (L)	Group	Private (subject site)	-	-	Remove
975	Manitoba Maple	<i>Acer negundo</i>	~20	P-F	P	P		0.5	Topped at 2 metres, epicormic branching (M)	Boundary Group	Shared (subject site and 22 Caroline St)	Low	1	Retain
976	Austrian Pine	<i>Pinus nigra</i>	40	G	G	G		4		Group	Private (subject site)	-	-	Remove
977	Sugar Maple	<i>Acer saccharum</i>	12	G	G	P-F	20	1.5	Sparse crown (M), small leaves	Group	Private (subject site)	High	2	Retain
978	Austrian Pine	<i>Pinus nigra</i>	31	F	F	P-F	30	3	Co-dominant stems at 2 metres, top-down dieback on one stem	Group	Private (subject site)	-	-	Remove
979	Black Walnut	<i>Juglans nigra</i>	13	F-G	F-G	F	20	2.5	Sparse crown (L), crooks (M)	Group	Private (subject site)	-	-	Remove
980	Austrian Pine	<i>Pinus nigra</i>	~10	-	-	-	-	-	Dead	Group	Private (subject site)	-	-	Remove (Condition)
981	Norway Maple	<i>Acer platanoides</i>	13	G	F-G	G		2.5	Asymmetrical crown (M)	Group	Private (subject site)	-	-	Remove
982	Norway Maple	<i>Acer platanoides</i>	17	G	G	G		2.5	Pruning wounds (L)	Group	Private (subject site)	-	-	Remove
983	Austrian Pine	<i>Pinus nigra</i>	~80	-	-	-	-	-	Dead	Group	Private (subject site)	-	-	Remove
984	Sugar Maple	<i>Acer saccharum</i>	10	G	G	G		1.5		Group	Private (subject site)	-	-	Remove
985	Austrian Pine	<i>Pinus nigra</i>	22	F	P-F	P-F		2.5	Crook (H) in crown, co-dominant stems in crown	Group	Private (subject site)	-	-	Remove
986	Austrian Pine	<i>Pinus nigra</i>	17	F	P-F	F		2	Crook (M), bow (M)	Group	Private (subject site)	High	2	Retain
987	Austrian Pine	<i>Pinus nigra</i>	33	G	G	G		3.5	Vine competition (L)	Group	Private (subject site)	-	-	Remove
988	Sugar Maple	<i>Acer saccharum</i>	17	F	F-G	G		2.5	Included fence (H), crook (M)	Boundary Group	Shared (subject site and 26 Caroline St)	High	1	Retain

989	Sugar Maple	<i>Acer saccharum</i>	19	F	G	G		3	Included fence (H)	Boundary Group	Shared (subject site and 26 Caroline St)	High	1	Retain
990	Austrian Pine	<i>Pinus nigra</i>	32	F	F	F-G		3	Lost leader, vine competition (L), asymmetrical crown (M)	Group	Private (subject site)	-	-	Remove
991	Sugar Maple	<i>Acer saccharum</i>	~20	F	G	G		3	Included fence (H)	Boundary Group	Shared (subject site and 26 Caroline St)	High	1	Retain
992	Sugar Maple	<i>Acer saccharum</i>	13	G	G	G		2		Group	Private (subject site)	High	2	Retain
993	Green Ash	<i>Fraxinus pennsylvanica</i>	16, 16, 12	P-F	F	F-G		2	Multi-stem at 1 metre, EAB present	Boundary Group	Shared (subject site and 26 Caroline St)	Low	1	Retain
994	Sugar Maple	<i>Acer saccharum</i>	14	G	F-G	G		2	Asymmetrical crown (M)	Group	Private (subject site)	High	2	Retain
995	Sugar Maple	<i>Acer saccharum</i>	10	G	G	G		1.5		Group	Private (subject site)	High	2	Retain
996	Green Ash	<i>Fraxinus pennsylvanica</i>	15	F	F-G	F-G		2		Group	Private (subject site)	High	2	Retain
997	Green Ash	<i>Fraxinus pennsylvanica</i>	~16	P-F	P-F	P-F	40	3	Bow (M), EAB present	Group	Private (subject site)	-	-	Remove
998	Austrian Pine	<i>Pinus nigra</i>	35	F-G	F	G		4	Multi-stem at 2 metres, fused bark	Group	Private (subject site)	-	-	Remove
999	White Ash	<i>Fraxinus americana</i>	11	F	F-G	F	20	1.5	Deadwood (M)	Boundary Group	Shared (subject site and 28 Caroline St)	High	1	Retain
1000	Sugar Maple	<i>Acer saccharum</i>	24	G	F-G	G		2.5	Included fence (L)	Boundary Group	Shared (subject site and 28 Caroline St)	Medium	1	Retain
N1	Austrian Pine	<i>Pinus nigra</i>	~27	-	-	-	-	-	Dead	Boundary Group	26 Caroline St	Low	1	Retain
N2	Austrian Pine	<i>Pinus nigra</i>	~30	-	-	-	-	-	Dead	Boundary Group	26 Caroline St	Low	1	Retain

N3	Scots Pine	<i>Pinus sylvestris</i>	~40	-	-	-	-	-	Dead	Boundary Group	26 Caroline St	Low	1	Retain
N4	Scots Pine	<i>Pinus sylvestris</i>	~40	-	-	-	-	-	Dead	Boundary Group	26 Caroline St	Low	1	Retain
N5	Scots Pine	<i>Pinus sylvestris</i>	~40	G	G	G		3		Boundary Group	26 Caroline St	High	1	Retain
N6	Sugar Maple	<i>Acer saccharum</i>	~12	G	G	G		1.5		Boundary Group	28 Caroline St	High	1	Retain
N7	Norway Maple	<i>Acer platanoides</i>	~12	G	G	G		1.5		Boundary Group	28 Caroline St	High	1	Retain
N8	Manitoba Maple	<i>Acer negundo</i>	~40	F-G	F-G	F-G	20	4.5	Deadwood (M), bow (L)	Boundary tree	163 Anne St	High	1	Retain
N9	Eastern White Cedar	<i>Thuja occidentalis</i>	~15	F-G	F-G	F-G		1.5	Part of hedgerow	Boundary hedgerow	159/163 Anne St	High	1	Retain

Codes		
DBH	Diameter at Breast Height	(cm)
TI	Trunk Integrity	(G, F, P)
CS	Crown Structure	(G, F, P)
CV	Crown Vigour	(G, F, P)
CDB	Crown Die Back	(%)
DL	Dripline (radius)	(metres)
~ = estimate; (VL) = very light; (L) = light; (M) = moderate; (H) = heavy		

Table 2. 100% Tally of Polygon(s)

Location: 17 Jacobs Terrace
Date: May 27, 2021
Surveyor: KD
Compartment Number P18
Stations Talled: 100% Tally

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

Tree Size Class >>>>	Polewood 10-24cm		Sawtimber Size					
			26-36cm		38-48cm		50cm+	
Species	AGS	UGS	AGS	UGS	AGS	UGS	AGS	UGS
Manitoba Maple (<i>Acer negundo</i>)		5		1				
White Pine (<i>Prunus strobus</i>)		2						
Total Number of Trees	0	7	0	1	0	0	0	0

Additional Information