

**Tree Inventory and Preservation Plan
4050 Yonge Street
Toronto, ON**

prepared for

**Easton's Group of Companies
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prepared by



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KUNTZ FORESTRY CONSULTING INC. Project P2308

Introduction

Kuntz Forestry Consulting Inc. was retained by Easton's Group of Companies to complete an updated Tree Inventory and Preservation Plan report in support of a development application for a property located at 4050 Yonge Street in Toronto, Ontario. The previous TIPP was submitted 20 May 2015 and last revised 19 December 2019. The site is situated on the northwest corner of Yonge Street and Wilson Avenue.

The work plan for this study included the following:

- Prepare inventory of the tree resources located within the vicinity of the proposed development;
- Evaluate potential tree saving opportunities based on proposed development plans; and
- Document the findings in a Tree Inventory and Preservation Plan Report.

Policy Framework

The proposed development is subject to provisions of the City of Toronto Ravine and Natural Feature Protection By-law (Chapter 658 of the Municipal Code) as the entire subject property is situated within Ravine and Natural Features Protection Area.

The City of Toronto's Ravine Protection By-law prohibits and regulates the injury and destruction of trees, filling, grading and dumping in ravines and associated wooded areas within the Ravine Protection Line, including the West Don River valley system. All trees are subject to the Ravine By-law regardless of species or diameter. The Urban Forestry Services defines a tree as any woody species that will grow to tree size (4.5m height).

All trees on the subject property are classified as City of Toronto Category 4 trees. City of Toronto Category 4 trees are identified as trees:

“On lands designated under City of Toronto Municipal Code, Chapter 658, Ravine and Natural Feature Protection, trees of all diameters situated within 10 m of any construction activity.”

Methodology

The field assessments for the original Tree Inventory and Preservation Plan were conducted on the 13 April 2010, 10 January 2011, and 11 September 2015. Trees of all sizes on the subject property and between the west boundary of the subject property and the ravine were inventoried.

Initial field assessments were conducted on 13 April 2010 and included portions of the wooded ravine area that were 5 metres from the proposed development. Individual trees were tagged 618-735. A second inventory was conducted on 10 January 2011, to include the slopes to the west and north of the proposed development. Individual trees were tagged 1-147 during the second inventory. A third site visit was conducted on 11 September 2015 to update the existing tree inventory for dead, removed or missing trees, and to conduct a 100% tally of all untagged trees and tree regeneration.

The majority of the trees identified during the 13 April 2010 inventory were located by topographic survey. Measurements were taken on site from trees on the existing topographic survey to

determine the approximate location of trees that were not surveyed but were included in the inventory. During the 10 January 2011 field assessment, approximate locations of some trees were located on the ortho-photo in-field to provide a benchmark for located the tagged tree resources.

The previously completed tree inventory was updated on 24 January 2020 and 28 January 2020. Trees of all sizes on the subject property and between the west boundary of subject property and the ravine were inventoried. Trees were located using the topographic survey provided and estimates made in the field. A 100% tally was conducted for all untagged trees and tree regeneration within the subject area. All trees below 10cm DBH and trees that were not able to be tagged due to topography were included in the 100% tally.

Individual tree resources were assessed for condition utilizing the following parameters:

Tree # - numbers and letters assigned to tree that corresponds to Figure 1.

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

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

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

Comments - additional relevant detail.

Existing Site Conditions

The subject property is dominated by an existing asphalt parking lot bounded by wooded ravines to the north and to the west, Yonge Street to the east and Wilson Avenue to the south. The Don River traverses the bottom of the wooded ravine along the western property limit. Refer to Figure 1 for the existing conditions.

Tree Resources

The updated tree inventory documented a total of 242 trees located within the proximity of disturbance on the subject property and on the neighbouring property to the north (4070 Yonge Street). Trees included in the inventory were tagged 618 – 735, 1 – 147, and 780 – 804. Two trees located on the neighbouring property were labelled with the letters “A” and “F”. One Siberian Elm located directly on the corner of Yonge Street and Wilson Avenue was labelled with the letter “B”. One Siberian Elm located on the east side of the Wilson Avenue parking lot entrance was labelled with the letter “G”. A Siberian Elm located within the Yonge Street right-of-way was labelled with the letter “H”. Fifty-nine (59) trees that were tagged in the original inventory no longer exist (either missing or have been removed). The 100% tally of all remaining trees (trees not tagged) documented 9 trees greater than 10cm DBH and 356 trees less than 10cm DBH, for a total of 365 trees.

Tree resources included in the tree inventory are heavily comprised of Siberian Elm (*Ulmus pumila*) with less common occurrences of Norway Maple (*Acer platanoides*), Manitoba Maple (*Acer negundo*), Weeping Willow (*Salix x pendula*), White Elm (*Ulmus americana*), Eastern Cottonwood (*Populus deltoides*), Silver Maple (*Acer saccharinum*), Staghorn Sumac (*Rhus typhina*), Filbert species (*Corylus* spp.), Black Locust (*Robinia pseudoacacia*), Black Walnut (*Juglans nigra*), White Ash (*Fraxinus americana*), and Green Ash (*Fraxinus pennsylvanica*).

The canopy layer of the wooded ravine is dominated by Siberian Elm with occurrences of Manitoba Mable and Norway Maple. Largetooth Aspen (*Populus grandidentata*) was also noted in the canopy layer outside of the inventoried area. The sub-canopy layer is dominated by Siberian Elm, with occurrences of Manitoba Maple, White Elm, and Norway Maple. The understory is comprised of Buckthorn (*Rhamnus* spp.), Manitoba Maple, Norway Maple, and Honeysuckle species (*Lonicera* spp.). Garlic Mustard (*Alliaria petiolata*) is also prevalent throughout the feature along with the presence of light to moderate grapevine (*Vitis* spp.) competition. Furthermore, refuse and debris are scattered throughout the wooded feature. As documented in Savanta's Natural Heritage Assessment Report, this area is found to be of low ecological integrity.

Refer to Table 1 for the detailed individual tree inventory, Table 2 for the 100% tally of trees located within the inventoried area but excluded from the detailed individual tree inventory, and Figure 1 for the location of the trees.

Proposed Development

The proposed development is comprised of a multi-storey mixed-use building with associated underground parking and amenity areas. Refer to Figure 1 for the proposed site plan.

Discussion

The following sections provide a discussion and analysis of development impacts, tree removal requirements and tree preservation relative to the proposed development.

Development Impacts/Tree Removals

The removal of all trees except for Tree A will be required due to their species and condition, and to accommodate proposed slope restoration work and development. A total of 250 trees greater than 10cm DBH and 356 trees less than 10cm DBH will require removal due to their species, health and condition, and/or to accommodate the proposed development.

The trees included in the inventory are comprised almost exclusively of Siberian Elm, Manitoba Maple, and Norway Maple. Manitoba Maple is ranked as a Category 1 invasive species, while Siberian Elm and Norway Maple are both ranked as Category 2 invasive species (Urban Forest Associates Inc., 2002). Many trees are exhibiting moderate to heavy poor form (asymmetrical crowns) as they are growing out over the parking lot in competition for sunlight. It should also be noted that many edge trees have been top-cut towards the base of their original crowns and do not warrant preservation within the urban matrix. Considering the invasive nature of the species dominating the ravine, the poor form of many edge trees and the lack of native regeneration, their removal is required and recommended with compensation to be provided in the form of restoration of the natural feature.

Tree F is a Siberian Elm in declining condition and is recommended for removal. Removal of Tree F will require the neighbouring property owner's permission as it is a shared tree. Tree H is located within the City of Toronto right-of-way, therefore permission from the City of Toronto will be required prior to its removal.

Tree Preservation

Preservation of Tree A will be possible with appropriate tree protection measures. The tree is located 2.1 meters from the surveyed bottom of slope. Tree roots generally exploit water resources (among other resources) and considering water runs downhill, very few tree roots are anticipated to be located uphill in the original fill substrate.

Based on the City of Toronto's standards, the minimum Tree Protection Zone (mTPZ) for this tree is 24.6 meters. This distance extends past the top of bank and onto the existing asphalt parking lot. It is unlikely that tree roots exist here and the tree protection fencing has been proposed at the stable top of slope line.

Encroachment into the Tree Protection Zone (TPZ) of this tree will be required to accommodate tree removals, site preparation for restoration planting and restoration planting. Tree removals within the TPZ of Tree A should occur during the winter months while the soil is frozen, to prevent damage to the root zone of this tree. The removal of debris, refuse, and fill will be required to prepare the northern slope for restoration planting. The removal of debris and refuse within the TPZ should be conducted by hand. Tree root exploration using hand tools and/or air spade may be used to ensure fill removal does not impact the roots of this tree. The application of topsoil within the TPZ of this tree should retain pre-existing grades. No heavy equipment is permitted within the TPZ of this tree. Horizontal hoarding should be laid underneath the path of light equipment to minimize soil compaction within the TPZ. All works completed within the TPZ of this tree should be supervised by a Certified Arborist or registered professional forester (R.P.F.).

Tree protection measures must be implemented prior to construction phase to ensure that all trees identified for preservation are not impacted by the development. Refer to Figure 1 for tree protection zone locations and further tree protection notes.

Detailed preservation and enhancement of the natural feature area is outlined in the Ravine Stewardship Plan Report prepared by Kuntz Forestry Consulting Inc., dated 11 February 2020. Restoration efforts will address all ecological issues currently present in the natural feature. Prescriptions will deal with tree removals, site preparation, restoration of ecological integrity including enhancement of species diversity and ecological function of the riparian forest. It is proposed that the Ravine Stewardship Plan will work in concert with the Landscape Plan to be prepared by NAK Design Group and be informed by the Natural Heritage Assessment report prepared by Savanta.

Compensation

The City of Toronto, Urban Forestry, Ravine and Natural Feature Protection requires a replacement ratio of three native trees planted for each tree greater than 10cm DBH removed, plus one native tree planted for each tree less than 10cm DBH removed, plus one native tree planted for each tree injured and one native tree for every 25m² of protected area lost to hard surfaces.

A total of 250 trees greater than 10cm DBH and 356 trees less than 10cm DBH are being removed. One tree (Tree A) will be injured. Approximately 780m² of protected area will be lost to hard surfaces (rip-rap). Approximately 1320m² of previously existing hard surfaces (asphalt parking lot) will be converted to natural space (buffer plantings), resulting in a gain of 540m² of natural space.

Based on the tree removals and gain in natural space, the required compensation is calculated to be 1197 trees. The total number of trees proposed to be planted as part of the Ravine Stewardship Plan and the Landscape Planting Plan (NAK Design Strategies Sheet L2) is 370 trees. In addition, the planting of 10 shrubs and/or bioengineering plugs will be accepted as the planting of one tree. A total of 2681 shrubs and 1400 bioengineering plugs will be planted on the subject property and will account for 408 trees. The resulting number of required compensation planting is 419 trees.

Summary and Recommendations

Kuntz Forestry Consulting Inc. was retained by Easton's Group of Companies to complete a Tree Inventory and Preservation Plan report in support of a development application for a property located at 4050 Yonge Street in Toronto, Ontario. A tree inventory was conducted and reviewed in the context of the proposed development plan.

The findings of the study indicate a total of 607 existing trees on-site and on adjacent properties. Removal of 250 trees greater than 10cm DBH and 356 trees less than 10cm DBH is recommended to accommodate the proposed development and provide opportunity for enhancements of the natural ravine feature area. All trees identified for removal are identified as City of Toronto Category 4 trees.

The following recommendations are suggested to minimize impacts of trees identified for preservation. Refer to Figure 1 for additional tree preservation notes.

- Tree protection barriers and fencing should be maintained at locations prescribed on Figure 1.
- Tree protection measures will have to be implemented throughout construction to ensure the trees identified for preservation are not impacted by the development.
- Branches and roots that extend past 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,
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References

Urban Forest Associates, January 2002. Invasive Exotic Species Ranking for Southern Ontario.

City of Toronto, 2004. Ravine Protection By-law. Toronto Municipal Code – Sections 223.1 and 223.2 of the Municipal Act, R.S.O. 1990, c. M.45, Chapter 658. September 9, 2004.

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 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: 4050 Yonge St., Toronto

Surveyors: JJJ and AC, JLR, CB, and KD

Date: 13 Apr. 2010 , 10 Jan. 2011, 11 Sep. 2015, 24 Jan. 2020

Tree#	Common Name	Scientific Name	DBH	TI	CS	CV	CDB	cat.	Comments	Action
618	Norway Maple	<i>Acer platanoides</i>	25, 16	G	F	P-F		4	union at base, stem wounds (M), seam (L), 1.5 meters from sidewalk, gypsy moth present	Remove
619	Norway Maple	<i>Acer platanoides</i>	26	F	F-G	F		4	seam (L), swollen flare (M), gypsy moth present	Remove
620	Siberian Elm	<i>Ulmus pumila</i>	18, 14	F	F	F		4	union at 0.4 meters, included bark (M), deadwood (L)	Remove
621	Manitoba Maple	<i>Acer negundo</i>	13, 9.5, 4	F	F	F		4	lean (M), union at base and 0.5 meters, included bark (M), stem wound (L)	Remove
622	Siberian Elm	<i>Ulmus pumila</i>	17, 16, 15	F	F	F		4	union at 0.5 meters with included bark (M), exposed roots, drainage swale adjacent to base, grapevine competition (M)	Remove
623	Siberian Elm	<i>Ulmus pumila</i>	31, 19	F	F	F		4	union at 1 and 1.5 meters, grapevine competition (L), deadwood (M)	Remove
624	Siberian Elm	<i>Ulmus pumila</i>	13	F-G	F-G	F		4	asymmetrical crown (M), bow (L)	Remove
625	Siberian Elm	<i>Ulmus pumila</i>	11, 8	P	P	P		4	Dead	Remove (Condition)
626	Manitoba Maple	<i>Acer negundo</i>	9	F	F	G		4	lean (L) towards parking lot, asymmetrical crown (M)	Remove
627	Siberian Elm	<i>Ulmus pumila</i>	6, 8	F	F	F		4	union at base, asymmetrical crown (M)	Missing
628	Siberian Elm	<i>Ulmus pumila</i>	42	F	F	F		4	union at 1.6 meters, deadwood (M)	Remove
629	Siberian Elm	<i>Ulmus pumila</i>	29	F	P-F	F-G		4	lean (M) toward parking lot, asymmetrical crown (M)	Remove
630	Siberian Elm	<i>Ulmus pumila</i>	18	G	F	F-G		4	deadwood (L)	Remove
631	Siberian Elm	<i>Ulmus pumila</i>	22	F-G	P-F	F-G		4	seam (M), asymmetrical crown (L), broken top	Remove
632	Siberian Elm	<i>Ulmus pumila</i>	9.5	F	F	F-G		4	understory tree, asymmetrical crown (M)	Remove
633	Siberian Elm	<i>Ulmus pumila</i>	23.5	G	F-G	F-G		4		Remove
634	Siberian Elm	<i>Ulmus pumila</i>	24	F-G	P-F	F		4	Broken top, asymmetrical crown (M)	Remove
635	Siberian Elm	<i>Ulmus pumila</i>	14	F	F	F		4	asymmetrical crown (H), lean (L)	Missing
636	Siberian Elm	<i>Ulmus pumila</i>	7, 15, 9.5	F	F	F		4	union at base and 0.35 m, lean (L), asymmetrical crown (M), understory tree, pruning wounds (M)	Missing
637	Siberian Elm	<i>Ulmus pumila</i>	18	F	F	F		4	epicormic branching (H), lean (L), broken top	Remove
638	Siberian Elm	<i>Ulmus pumila</i>	28	F	F	F		4	lean (L), union at 5 meters, poor form (M)	Remove
639	Siberian Elm	<i>Ulmus pumila</i>	25.5				100	4	elevated hazard potential	Missing
640	Siberian Elm	<i>Ulmus pumila</i>	28	F-G	F-G	F		4	grapevine competition (L), union at 5 meters	Remove
641	Siberian Elm	<i>Ulmus pumila</i>	20, 17	F	F	F		4	lean (L), union at 0.75 meters, asymmetrical crown (H), broken branches (L)	Remove
642	Siberian Elm	<i>Ulmus pumila</i>	18	F	P-F	P-F	50	4	lean (L), union at 2.5 meters, broken branches (M)	Remove
643	Siberian Elm	<i>Ulmus pumila</i>	17, 5	F	P-F	F		4	lean (L), union at base, broken top	Remove
644	Siberian Elm	<i>Ulmus pumila</i>	26	F	F	F		4	union at 2 meters, included bark	Remove
645	Siberian Elm	<i>Ulmus pumila</i>	21	F	P-F	F		4	asymmetrical crown (H), lean (L), broken top	Remove
646	Siberian Elm	<i>Ulmus pumila</i>	16	F	P	F		4	union at 1.6 and 2 m, pruning wounds (M), understory tree	Missing
647	Siberian Elm	<i>Ulmus pumila</i>	10	F	P	F		4	lean (M), asymmetrical crown (H)	Missing
648	Siberian Elm	<i>Ulmus pumila</i>	~18, ~15	P-F	F	F		4	15 cm stem dead, union at base, asymmetrical crown (M)	Remove
649	Siberian Elm	<i>Ulmus pumila</i>	17	F	F	F-G		4	lean (L), asymmetrical crown (M), broken top	Remove
650	Manitoba Maple	<i>Acer negundo</i>	15, 9	F	P-F	P-F		4	union at base with included bark (L), stem wound (L), lean (M), asymmetrical crown (M), concrete debris against flare, small stem dead	Remove

651	Siberian Elm	<i>Ulmus pumila</i>	24	F	F	F		4	lean (L), asymmetrical crown (L), sweep (L)	Remove
652	Manitoba Maple	<i>Acer negundo</i>	20.5	P	P	P		4	Dead	Remove (Condition)
653	Siberian Elm	<i>Ulmus pumila</i>	22	F	F	F	25	4	asymmetrical crown (L), seam (L), union at 3 meters, stem wound (M), one stem dead	Remove
654	Siberian Elm	<i>Ulmus pumila</i>	10	F	P-F	F		4	understory tree, asymmetrical crown (H), canopy conflicting with tree 653, broken top	Remove
655	Siberian Elm	<i>Ulmus pumila</i>	13, 10	F	F	F		4	union at 1.3 meters, asymmetrical crown (L), included bark, broken top	Remove
656	Siberian Elm	<i>Ulmus pumila</i>	21, 6	F	F	F		4	crook (L), union at 0.2 m, swollen flare (M)	Remove
657	Siberian Elm	<i>Ulmus pumila</i>	21.5	F	F	F		4	Dead	Remove
658	Siberian Elm	<i>Ulmus pumila</i>	~9, ~7	F	P	F		4	pruning wounds (H)	Missing
659	Siberian Elm	<i>Ulmus pumila</i>	13	F	F	F		4	pruning wounds (H), lean (L), asymmetrical crown (M)	Missing
660	Siberian Elm	<i>Ulmus pumila</i>	18	F	F	F-G		4	crook (L), lean (L), understory tree, asymmetrical crown (M)	Missing
661	Siberian Elm	<i>Ulmus pumila</i>	~40	F	F	F		4	lean (L), asymmetrical crown (M), pruning wounds (L), broken branches (H), one stem dead	Remove
662	Siberian Elm	<i>Ulmus pumila</i>	20.5	F	F	F		4	understory tree, seam (L), co-dominant stems in crown	Remove
663	Siberian Elm	<i>Ulmus pumila</i>	15, 10	F	P	F		4	asymmetrical crown (H), crook at base (L), stem wounds (L), lean (L)	Remove
664	Siberian Elm	<i>Ulmus pumila</i>	36	F	F	F		4	sweep (L), lean (L), deadwood (M)	Remove
665	Siberian Elm	<i>Ulmus pumila</i>	21, 11	F	F	F		4	union at base with included bark (L), 11 cm stem dead, asymmetrical crown (M), lean (L)	Remove
666	Siberian Elm	<i>Ulmus pumila</i>	~10	F	F	F		4	crook (M), sweep (L), asymmetrical crown (L), included fence	Remove
667	Siberian Elm	<i>Ulmus pumila</i>	~10	F	F	F		4	grapevine competition (M), included fence, broken branches (M)	Remove
668	Siberian Elm	<i>Ulmus pumila</i>	~7	P-F	F	F		4	lean (M), grapevine competition (H)	Missing
669	Siberian Elm	<i>Ulmus pumila</i>	17	P-F	P-F	P-F		4	Dead	Remove (Condition)
670	Siberian Elm	<i>Ulmus pumila</i>	19	F	P	F		4	understory tree, lean (M)	Remove
671	Siberian Elm	<i>Ulmus pumila</i>	19	F	F	F	30	4	asymmetrical crown (M)	Remove
672	Siberian Elm	<i>Ulmus pumila</i>	13	F	P	P-F		4	animal burrow under root zone, crook at base (L), poor form (M)	Remove
673	Siberian Elm	<i>Ulmus pumila</i>	13	F	P-F	F		4	lean (L), asymmetrical crown (M), understory tree	Remove
674	Siberian Elm	<i>Ulmus pumila</i>	13.5	F	P-F	F		4	lean (L), understory tree, asymmetrical crown (M)	Missing
675	Siberian Elm	<i>Ulmus pumila</i>	19.5	F	F	F	20	4	lean (L)	Remove
676	Siberian Elm	<i>Ulmus pumila</i>	38	F	F	F		4	lean (L), deadwood (L)	Remove
677	Siberian Elm	<i>Ulmus pumila</i>	30.5	F	F	F		4	lean (L), codominant at 5 meters, understory to 676, broken branches (M)	Remove
678	Siberian Elm	<i>Ulmus pumila</i>	20	F	F	F	20	4	lean (M), sweep at base (L)	Remove
679	Siberian Elm	<i>Ulmus pumila</i>	34, 16	F	F	F	25	4	union at 1 meter with included bark (M), 16 cm stem dead, asymmetrical crown, broken branches (M)	Remove
681	Siberian Elm	<i>Ulmus pumila</i>	7	F-G	F	F		4	asymmetrical crown (M), understory tree	Remove
682	Siberian Elm	<i>Ulmus pumila</i>	6	P	P	P		4	Dead	Missing
683	Siberian Elm	<i>Ulmus pumila</i>	11, 7	F	P-F	F		4	asymmetrical crown (H), crown lodged under limb of adjacent tree, union at base, twisting stems	Remove
684	Siberian Elm	<i>Ulmus pumila</i>	15	F	P-F	F		4	lean (L), asymmetrical crown (M), broken top, epicormic branching (H)	Remove
685	Siberian Elm	<i>Ulmus pumila</i>	12	F	P	F		4	main stem broken at 3 meters, union at 1.6 meters	Remove
686	--	--	~25					4	elevated hazard potential, all limbs Missing from trunk, just stem remains	Remove (Condition)
687	Siberian Elm	<i>Ulmus pumila</i>	27	F	P-F	F		4	sweep (L), lean (L), topcut at 6 meters, asymmetrical crown (M), epicormic branching (H)	Remove
688	Siberian Elm	<i>Ulmus pumila</i>	~12				100	4	Dead	Remove (Condition)
689	Siberian Elm	<i>Ulmus pumila</i>	15	F	P-F	F		4	asymmetrical crown (L), topcut at 5 meters, epicormic branching (H)	Remove
690	Siberian Elm	<i>Ulmus pumila</i>	36	F	F	F-G		4	pruning wounds (M), asymmetrical crown (M), poor form (M), top cut at 7 meters	Remove

691	Siberian Elm	<i>Ulmus pumila</i>	17	F	P	F		4	lean (L), topcut at 5.5 meters, sweep (L)	Remove
692	Siberian Elm	<i>Ulmus pumila</i>	7, 11.5, 13.5	F	F	F		4	clump of 3 stems, lean (L), asymmetrical crown (M), sweep (L)	Missing
693	Siberian Elm	<i>Ulmus pumila</i>	16	F	F	F		4	sweep (M), understory tree	Missing
694	Siberian Elm	<i>Ulmus pumila</i>	7.5	P-F	P	F		4	topcut at 1.75 m, asymmetrical crown (M), poor form (M)	Missing
695	Siberian Elm	<i>Ulmus pumila</i>	9	F	F	F		4	lean (L), asymmetrical crown (M)	Missing
696	Siberian Elm	<i>Ulmus pumila</i>	8, 5.5	F	F	F		4	union at 0.3 m, cavity with heart rot (L)	Missing
697	Siberian Elm	<i>Ulmus pumila</i>	11.5	F	F	F		4	understory tree, asymmetrical crown (M)	Missing
	Siberian Elm	<i>Ulmus pumila</i>	16.5				100	4	dead, elevated hazard potential	Missing
698	Siberian Elm	<i>Ulmus pumila</i>	11.5	F	P	F		4	topcut at 2 m, understory tree	Missing
699	Siberian Elm	<i>Ulmus pumila</i>	35	F	F	F-G		4	included bark (M), pruning wounds (M), poor form (M), stem pruned at previous union	Remove
700	Siberian Elm	<i>Ulmus pumila</i>	17	G	G	F		4	asymmetrical crown (M)	Remove
701	Siberian Elm	<i>Ulmus pumila</i>	9.5	F	P	F		4	top cut at 2 m, pruning wounds (M)	Missing
702	Siberian Elm	<i>Ulmus pumila</i>	18	F	P-F	P-F	70	4	pruning wounds (M)	Missing
703	Siberian Elm	<i>Ulmus pumila</i>	21	F	P	F		4	topcut at 4 m, lean (L), asymmetrical crown (M)	Missing
704	Siberian Elm	<i>Ulmus pumila</i>	13	P	P	P	80	4	topcut at 1 meter, understory tree	Remove
705	Siberian Elm	<i>Ulmus pumila</i>	10	P	F	P		4	top cut at 1 meter, stem wounds (M), asymmetrical crown (M)	Remove
706	Siberian Elm	<i>Ulmus pumila</i>	12.5	F	P	F		4	topcut at 1 meter, epicormic branching (H)	Remove
707	Siberian Elm	<i>Ulmus pumila</i>	18, 17	F	P	F	30	4	union at 0.4 meters with narrow angle, included bark, top cut at 3 meters	Remove
708	Siberian Elm	<i>Ulmus pumila</i>	37	F	P	F		4	pruning wounds (M), lean (L), asymmetrical crown (M), top cut	Remove
709	Siberian Elm	<i>Ulmus pumila</i>	26				100	4	crown Missing, dead, elevated hazard potential	Missing
710	Siberian Elm	<i>Ulmus pumila</i>	15	F	F	F		4	lean (L), asymmetrical crown (M)	Remove
711	Siberian Elm	<i>Ulmus pumila</i>	35	P-F	P-F	F		4	stem wound at base (H), leaning away from stem wound (H) over parking lot, topcut, pruning wounds (M), elevated hazard potential	Missing
712	Manitoba Maple	<i>Acer negundo</i>	9.5	P	P	P		4	broken branches (H), lean (M)	Remove
713	Manitoba Maple	<i>Acer negundo</i>	9.5	P-F	P	P		4	topcut at 2 meters, lean (M)	Remove
714	Siberian Elm	<i>Ulmus pumila</i>	17	P-F	P	P		4	lean (L), understory to 716, asymmetrical crown (H), bark peeling, declining	Remove
715	Manitoba Maple	<i>Acer negundo</i>	18.5	F	P	F		4	crooks (M), lean (L), understory to 716, asymmetrical crown (H), large snag against trunk	Remove
716	Siberian Elm	<i>Ulmus pumila</i>	49, 45	F	F	F		4	union at 0.6 meters, broken branches (L), lean (M), asymmetrical crown (M)	Remove
	Siberian Elm	<i>Ulmus pumila</i>	29	F	F	F		4	asymmetrical crown (M), union at 2.2 meters with included bark and narrow angle	Remove
717	Siberian Elm	<i>Ulmus pumila</i>	42	F-G	F	F		4	broken branches (L)	Remove
718	Siberian Elm	<i>Ulmus pumila</i>	~47	P	P	P	75	4	pruning wounds (M), lean (L)	Remove
719	Siberian Elm	<i>Ulmus pumila</i>	35, 31.5	F	F	F		4	clump of 2, union at base, lean (L) away from parking lot, asymmetrical crown (L), deadwood (L)	Remove
720	Siberian Elm	<i>Ulmus pumila</i>	60	F	F	F		4	union at 5 meters, lean (L), broken branches (M)	Remove
721	Manitoba Maple	<i>Acer negundo</i>	14.5	P-F	P-F	G		4	lean (H), asymmetrical crown (H)	Missing
722	White Elm	<i>Ulmus americana</i>	27	F-G	F-G	F-G		4	union at 0.3 meters with included bark (L)	Remove
	Siberian Elm	<i>Ulmus pumila</i>	40	F	F	F	20	4	broken branches (H), lean (L)	Remove
723	Siberian Elm	<i>Ulmus pumila</i>	~50	F-G	F	F	20	4	sweep (L), broken branches (M), deadwood (L)	Remove
724	Siberian Elm	<i>Ulmus pumila</i>	20	F	F	F		4	lean (L), asymmetrical crown (M), understory tree	Missing
725	Siberian Elm	<i>Ulmus pumila</i>	14	F	F	F		4	understory tree, lean (L), asymmetrical crown (M)	Missing
726	Siberian Elm	<i>Ulmus pumila</i>	10	P	P	P	90	4		Missing
727	Siberian Elm	<i>Ulmus pumila</i>	26.5	F	F-P	F		4	lean (L) towards parking lot, seam (M), pruning wounds (L), poor form (M)	Missing
728	Siberian Elm	<i>Ulmus pumila</i>	~30, ~30	F	P-F	F	30	4	codominant stems at 1.2 meters, pruning wounds (L), top cut at 10 meters	Remove
729	Siberian Elm	<i>Ulmus pumila</i>	37	F	F	F		4	codominant at 1 meter with narrow angle, broken branches (L), included bark	Remove
730	White Elm	<i>Ulmus americana</i>	14	F-G	F	F		4	understory tree, asymmetrical crown (M), lean (L), asymmetrical crown (L)	Remove

731	Siberian Elm	<i>Ulmus pumila</i>	26	F-G	F	F-G		4	codominant at 2 meters with narrow angles, broken branches (L)	Remove
732	Filbert species	<i>Corylus sp.</i>	29, 10	F	F	F		4	seam (M), lean (L)	Remove
733	Siberian Elm	<i>Ulmus pumila</i>	16	F	F	F-G		4	seam (M)	Remove
734	Filbert species	<i>Corylus sp.</i>	17	P	P	P	90	4	Dead	Remove (Condition)
735	Siberian Elm	<i>Ulmus pumila</i>	25.5	F	F	F-G		4	union at 2 meters, broken branches (M)	Remove
1	Manitoba Maple	<i>Acer negundo</i>	15	G	G	G		4	Dead	Remove (Condition)
2	Eastern Cottonwood	<i>Populus deltoides</i>	52	P	F	F		4	Top cut at 7 meters	Missing
3	Norway Maple	<i>Acer platanoides</i>	15	G	G	G		4	Top cut at 7 meters	Missing
4	Siberian Elm	<i>Ulmus pumila</i>	30.5	G	G	G		4	Top cut at 7 meters	Missing
5	Eastern Cottonwood	<i>Populus deltoides</i>	36	G	G	G		4	Top cut at 7 meters	Missing
6	White Elm	<i>Ulmus americana</i>	16.5	G	G	G		4	Exposed roots (L)	Missing
7	Manitoba Maple	<i>Acer negundo</i>	15	P	G	P		4	Lean (M)	Missing
8	Black Locust	<i>Robinia pseudoacacia</i>	38	G	G	G		4	Grapevine competition (L), co-dominant at 2m	Missing
9	White Elm	<i>Ulmus americana</i>	17	G	G	G		4		Missing
10	White Elm	<i>Ulmus americana</i>	20	G	G	G		4		Remove
11	Black Walnut	<i>Juglans nigra</i>	28	G	G	G		4		Missing
12	Siberian Elm	<i>Ulmus pumila</i>	28	G	G	G		4	Grapevine competition (M), stem wounds (L)	Missing
13	Manitoba Maple	<i>Acer negundo</i>	17.5	G	G	G		4	Dead	Missing
14	Manitoba Maple	<i>Acer negundo</i>	16	F	F	F		4	Lean (H), stem wounds (M), grapevine competition (M)	Missing
15	Siberian Elm	<i>Ulmus pumila</i>	15	G	F	F		4	Lean (L), grapevine competition (M)	Missing
16	Siberian Elm	<i>Ulmus pumila</i>	55	P-F	P-F	P-F		4	Co-dominant at 2.5 meters, stem wounds (M), grapevine competition (M), broken branches (H)	Remove
17	Siberian Elm	<i>Ulmus pumila</i>	14.5	F	F	F		4	Leader impacted by #18	Remove
18	Siberian Elm	<i>Ulmus pumila</i>	13	P	P	P		4	Stem wound (M), lean (M), leaning into crown of #17	Missing
19	Black Locust	<i>Robinia pseudoacacia</i>	~20, ~20	P	P	F		4	Co-dominant at base, lean (M), stem wound (M), bark splitting with rot	Remove (Condition)
20	Black Locust	<i>Robinia pseudoacacia</i>	~35	G	F-G	G		4	Lean (L)	Remove
21	White Ash	<i>Fraxinus americana</i>	11	P	P	P		4	Dead	Remove (Condition)
22	Norway Maple	<i>Acer platanoides</i>	15	F	F	F		4	Co-dominant at 1 meter, lean (L), stem wounds (M), broken branches (M)	Remove
23	Siberian Elm	<i>Ulmus pumila</i>	~35	G	G	G		4	Stem wound (L), growth deficit (L), deadwood (M), bow (L), union at 2.5 meters	Remove
24	Siberian Elm	<i>Ulmus pumila</i>	10	F	P-F	P		4	Asymmetrical crown	Remove
25	Black Locust	<i>Robinia pseudoacacia</i>	32	P	P	P		4	Co-dominant at base, 3 stems dead, exposed roots (M)	Remove (Condition)
26	Black Locust	<i>Robinia pseudoacacia</i>	~25	P	P	P		4	Lean (M), stem wounds (H)	Remove (Condition)
27	Black Locust	<i>Robinia pseudoacacia</i>	17.5, 12	P	P	P	98	4	Dead	Remove (Condition)
28	Black Locust	<i>Robinia pseudoacacia</i>	~25, ~25, ~20	P	P	P		4	Co-dominant at base, 3 stem, 2 stems dead, stem wounds (H)	Remove (Condition)
29	Norway Maple	<i>Acer platanoides</i>	~20	P	P	G		4		Remove
30	Black Walnut	<i>Juglans nigra</i>	21	F	F	F		4	Stem wound (M)	Missing

31	Manitoba Maple	<i>Acer negundo</i>	15	F	G	F		4	Lean (L), bark peeling	Remove
32	Manitoba Maple	<i>Acer negundo</i>	~30	P	P	P		4	Co-dominant at 0.25 meters, 2 stems, 1 dead, lean (L), epicormic branching (L), broken branches (L), stem wounds (M)	Remove (Condition)
33	Siberian Elm	<i>Ulmus pumila</i>	~25	F	G	G		4	Growth deficit at base, debris in root zone, stem wound (L), grapevine competition (L)	Remove
34	Norway Maple	<i>Acer platanoides</i>	~15	G	F-G	F		4	Growth deficit (L) at base	Remove
35	Siberian Elm	<i>Ulmus pumila</i>	~30, ~25, ~20, ~15	G	P-F	F		4	Co-dominant at 0.5 meters, 4 stems, stem wounds (M), deadwood (M), lean (L-M)	Remove
36	Siberian Elm	<i>Ulmus pumila</i>	14	F	F	F		4	Lean (L), stem wounds (L), broken branches (L), asymmetrical crown	Remove
37	White Ash	<i>Fraxinus americana</i>	12	G	G	G		4		Missing
38	Manitoba Maple	<i>Acer negundo</i>	13	G	G	G		4	Lean (M), asymmetrical crown	Remove
39	Siberian Elm	<i>Ulmus pumila</i>	~14	F	F	F		4	Not tagged due to topography, lean (L), asymmetrical crown, stem wounds (M)	Missing
40	Siberian Elm	<i>Ulmus pumila</i>	~13	F	G	G		4	Stem wound (L)	Remove
41	Siberian Elm	<i>Ulmus pumila</i>	~25	G	G	G		4	Lean (L), stem wounds (L), union at 2.5 meters	Remove
42	Siberian Elm	<i>Ulmus pumila</i>	~15	G	G	G		4	Stem wounds (L)	Remove
43	Norway Maple	<i>Acer platanoides</i>	~12	G	G	G		4		Remove
44	Siberian Elm	<i>Ulmus pumila</i>	11	G	F	F		4	Stem wounds (M)	Remove
45	Siberian Elm	<i>Ulmus pumila</i>	13	G	F	F		4	Stem wounds (M), crack (0.5m)	Remove
46	Siberian Elm	<i>Ulmus pumila</i>	~40	G	F	F		4	Deadwood (m), exposed roots, broken branches (M), union at 2 meters	Remove
47	Siberian Elm	<i>Ulmus pumila</i>	26	P	P	P		4	Lean (H), grapevine competition (H), stem wounds (H)	Remove
48	Siberian Elm	<i>Ulmus pumila</i>	~25	G	F	F		4	Stem wounds (M), asymmetrical crown, growth deficit at base, deadwood (M)	Remove
49	Norway Maple	<i>Acer platanoides</i>	~25	F	F	G		4	Lean (H), growth deficit at base, exposed roots	Remove
50	Norway Maple	<i>Acer platanoides</i>	18	G	G	F		4	Grapevine competition (M), asymmetrical crown (M)	Remove
51	Siberian Elm	<i>Ulmus pumila</i>	~35	P-F	P-F	P		4	Lean (M), impacted by Manitoba maple on other side of river, 2 stems dead, stem wounds (M)	Remove
52	White Elm	<i>Ulmus americana</i>	~27	F	P	P		4	Broken leader, grapevine competition (M), not tagged due to topography	Remove (Condition)
53	Siberian Elm	<i>Ulmus pumila</i>	~23	G	G	G		4	Not tagged due to topography, stem wounds (L)	Missing
54	Siberian Elm	<i>Ulmus pumila</i>	~50	F	F	F		4	Co-dominant at 2 meters, 1 stem dead, stem wounds (L), burls (M), deadwood (M)	Remove
55	Siberian Elm	<i>Ulmus pumila</i>	~15	P	G	G		4	Bark peeling	Remove
56	Siberian Elm	<i>Ulmus pumila</i>	21	G	G	G		4		Remove
57	Siberian Elm	<i>Ulmus pumila</i>	19	G	G	G		4	Lean (L)	Remove
58	Norway Maple	<i>Acer platanoides</i>	15.5	F-G	G	G		4	Crook (VL), exposed roots	Remove
59	Norway Maple	<i>Acer platanoides</i>	12.5	P	P	P		4	Grapevine competition (VL), declining	Remove
60	Siberian Elm	<i>Ulmus pumila</i>	17.5	P	F	P		4	Lean (H), stem wounds (M)	Remove
61	Siberian Elm	<i>Ulmus pumila</i>	~35	F	F	P		4	Asphalt around base, broken branches (L), stem wounds (M), epicormic branching (M), deadwood (H), broken top	Remove
62	Black Locust	<i>Robinia pseudoacacia</i>	~30	P	P	P		4	Multiple dead stems, growth deficit (H), crack, rot at base, lean (L)	Remove (Condition)
63	Manitoba Maple	<i>Acer negundo</i>	15, 14	F	P-F	P-F		4	Co-dominant at base, 1 stem leans (H) toward ravine & has grapevine competition (H), 1 stem has grapevine competition (M)	Remove
64	Siberian Elm	<i>Ulmus pumila</i>	~25	F	F	G		4	Lean (M), deadwood (L), growth deficit at base	Remove
65	Siberian Elm	<i>Ulmus pumila</i>	~30, ~26	F	F	P-F		4	Co-dominant at base, crook (M) in 1 stem, grapevine competition (L), stem wounds (L), deadwood (M), broken branches (M)	Remove

66	Silver Maple	<i>Acer saccharinum</i>	~40	F	F	G		4	Lean (H), crook (L), grapevine competition (L), debris at base	Remove
67	Manitoba Maple	<i>Acer negundo</i>	14	F	P	F		4	Vine competition (M), poor form (H)	Remove
68	Manitoba Maple	<i>Acer negundo</i>	21	F	P-F	G		4	Lean (H) toward ravine, vine competition (L), asphalt around base	Remove
69	Manitoba Maple	<i>Acer negundo</i>	~20	F	G	G		4	Grapevine competition (M), growth deficit at base, asphalt around base	Remove
70	Siberian Elm	<i>Ulmus pumila</i>	~55	G	G	G		4	Crook, debris in root zone, deadwood (L)	Remove
71	Siberian Elm	<i>Ulmus pumila</i>	75, 31	F	G	G		4	Rot from base to breast height (0.5m width) where pruning occurred, broken branches (L), co-dominant stems in crown	Remove
72	Siberian Elm	<i>Ulmus pumila</i>	31	P	P	P		4	Stem wounds (H), co-dominant at base, 1 stem dead, deadwood (M)	Remove
73	Siberian Elm	<i>Ulmus pumila</i>	18.5	F	F	G		4	Lean (L), asymmetrical crown, impacted by 72	Remove
74	Siberian Elm	<i>Ulmus pumila</i>	15	G	G	F-G		4	Pruning wounds (L)	Remove
75	Siberian Elm	<i>Ulmus pumila</i>	41, 38	F	P-F	F		4	Co-dominant at base, 36.5cm stem leans (L), 37cm stem has rot, splitting bark, pruning wounds (L), stem wounds (L), deadwood (L)	Remove
76	Siberian Elm	<i>Ulmus pumila</i>	27	G	G	G		4	Crook (L)	Remove
77	Siberian Elm	<i>Ulmus pumila</i>	~70	G	F	F-G		4	Canker (L), stem wounds (M), pruning wounds (L), co-dominant stems in crown	Remove
78	Manitoba Maple	<i>Acer negundo</i>	18	F	F	F-G		4	Crook (L), growth deficit at base (L)	Remove
79	Siberian Elm	<i>Ulmus pumila</i>	57	F	F	G		4	Pruning wounds (M), crack from base to breast height with open wound at rot, crack at 5 meters, lean (M)	Remove
80	Siberian Elm	<i>Ulmus pumila</i>	~60	G	G	G		4	Lean (L), crook (L)	Remove
81	Siberian Elm	<i>Ulmus pumila</i>	16	G	G	G		4	lean (L), deadwood (L)	Remove
82	Manitoba Maple	<i>Acer negundo</i>	17.5	F	P	P		4	Dead	Remove (Condition)
83	Siberian Elm	<i>Ulmus pumila</i>	16.5	F	F	F		4	Stem wounds (M), pruning wounds, poor form (L)	Remove
84	Siberian Elm	<i>Ulmus pumila</i>	64	F	F	F		4	Co-dominant stems at 1.5 meters, stem wounds (M), lean (L), included bark, broken branches (M)	Remove
85	Manitoba Maple	<i>Acer negundo</i>	12	F	G	G		4	Crook (M)	Remove
86	Siberian Elm	<i>Ulmus pumila</i>	~60	G	G	F-G		4	Stem wounds (M), deadwood (L)	Remove
87	Siberian Elm	<i>Ulmus pumila</i>	27.5, 10	F	F	F		4	1 dead stem, pruning wounds (L), grapevine competition (L)	Remove
88	Siberian Elm	<i>Ulmus pumila</i>	22	G	G	G	25	4	Pruning wounds (L)	Remove
89	Siberian Elm	<i>Ulmus pumila</i>	~50	F	P	P		4	Pruning wounds (M), epicormic branching (M), grapevine competition (H), co-dominant stems at 2.5 meters	Remove (Condition)
90	Siberian Elm	<i>Ulmus pumila</i>	17	F	P	P		4	Pruning wounds (L), grapevine competition (H), deadwood (L)	Remove (Condition)
91	Siberian Elm	<i>Ulmus pumila</i>	42	F-G	F	F		4	Crack to 4 meters, rot	Remove
92	Manitoba Maple	<i>Acer negundo</i>	12	F-G	F	G		4	Co-dominant at base, growth deficit at base, stem wound (H), bow (L)	Remove
93	Siberian Elm	<i>Ulmus pumila</i>	~35, ~30	P-F	F	P-F		4	Union at base, broken top, included bark, decay in upper crown, pruning wounds (L), stem wounds (L)	Remove
94	Siberian Elm	<i>Ulmus pumila</i>	41	F-G	F	F		4	Grapevine competition (M), stem wounds (M), seam (L), co-dominant stems in crown, deadwood (L)	Remove
95	Siberian Elm	<i>Ulmus pumila</i>	45, 39, 29	P	P	F		4	Union at base, multiple stem failures, 1 dead and lying across base of tree, grapevine competition (M), pruning wounds (L), stem wounds (M), open wound (H)	Remove (Condition)
96	Siberian Elm	<i>Ulmus pumila</i>	63	F	F	G		4	Co-dominant at 2 meters, crack at union (L), deadwood (L)	Remove
97	Siberian Elm	<i>Ulmus pumila</i>	~51	P	P	P		4	Dead	Remove
98	Siberian Elm	<i>Ulmus pumila</i>	27	F	F	F		4	Lean (L), stem wounds (M) with rot, asymmetrical crown, bow (M)	Remove
99	Siberian Elm	<i>Ulmus pumila</i>	28.5	F	F	F		4	Broken branches (M), stem wounds (M), included bark, co-dominant stems in crown	Remove
100	Siberian Elm	<i>Ulmus pumila</i>	~60	G	G	F		4	Stem wounds (H), grapevine competition (H), co-dominant stems at 3 meters, broken branches (M)	Remove

101	Siberian Elm	<i>Ulmus pumila</i>	~55	G	G	G	26	4	Grapevine competition (H), pruning wounds (L)	Remove
102	Siberian Elm	<i>Ulmus pumila</i>	~60	G	G	G	15	4	Asymmetrical crown (M), deadwood (L)	Remove
103	Manitoba Maple	<i>Acer negundo</i>	15	F	P	F		4	Pruning wounds (H), lean (M)	Missing
104	Siberian Elm	<i>Ulmus pumila</i>	15	G	G	G		4		Remove
105	Siberian Elm	<i>Ulmus pumila</i>	13	G	G	F		4	Pruning wounds (L)	Remove
106	Siberian Elm	<i>Ulmus pumila</i>	12.5	G	G	F		4	Stem wounds (M)	Remove
107	Siberian Elm	<i>Ulmus pumila</i>	26	P	P	P-F		4	Lean (M), poor form (M), top cut at 2 meters	Remove (Condition)
108	Siberian Elm	<i>Ulmus pumila</i>	10.5	F	G	G		4	Lean (M)	Missing
109	Siberian Elm	<i>Ulmus pumila</i>	13.5	P	P	P		4	Phoenix tree, lean (H), stem wounds (H)	Missing
110	Siberian Elm	<i>Ulmus pumila</i>	12	F	F	P		4	Pruning wounds (M), suppressed	Remove
111	Siberian Elm	<i>Ulmus pumila</i>	16.5	F	F	F	15	4	Broken branches (L), vine competition (L)	Remove
112	Siberian Elm	<i>Ulmus pumila</i>	25	F	F	F		4	Crack (M), poor form (M), stem wounds (M), broken branches (M)	Remove
113	Siberian Elm	<i>Ulmus pumila</i>	~35	F	F	F		4	Lean (M), broken branches (L), deadwood (M)	Remove
114	Manitoba Maple	<i>Acer negundo</i>	17	P-F	P-F	F		4	Stem wound (M), 1 stem pruned at base	Remove
115	Siberian Elm	<i>Ulmus pumila</i>	21	F	P-F	F		4	Growth deficit at base, crook, stem wounds (M), broken top	Remove
116	Siberian Elm	<i>Ulmus pumila</i>	15	P	P	P		4	Stem wounds (H)	Missing
117	Siberian Elm	<i>Ulmus pumila</i>	14	G	G	F		4		Remove
118	Siberian Elm	<i>Ulmus pumila</i>	19	F	G	G		4	Stem wounds (L), seam (L)	Remove
119	Siberian Elm	<i>Ulmus pumila</i>	~40, ~40, ~35, ~20, ~15	F	P-F	F		4	Clump of 5, lean (L-M), stem wounds (L), pruning wounds (M), broken branches (H)	Remove
120	Siberian Elm	<i>Ulmus pumila</i>	20	F	F	F		4	Grapevine competition (L), impacted by neighbouring tree, pruning wounds (L)	Remove
121	Siberian Elm	<i>Ulmus pumila</i>	~37	F	F	F	30	4	Lean (M), asymmetrical crown, deadwood (M)	Remove
122	Siberian Elm	<i>Ulmus pumila</i>	16	F	F	F	30	4	Poor form (M), broken branches (L)	Remove
123	Siberian Elm	<i>Ulmus pumila</i>	46	F-G	F-G	F-G		4	Lean (L), broken branches (L)	Remove
124	White Elm	<i>Ulmus americana</i>	16	G	G	G		4	Grapevine competition (L)	Remove
125	Siberian Elm	<i>Ulmus pumila</i>	12	G	F-G	G		4	Suppressed	Remove
126	Manitoba Maple	<i>Acer negundo</i>	11	F	P-F	G		4	Lean (M), top cut at 1.5 meters	Remove
127	White Elm	<i>Ulmus americana</i>	16	G	G	G		4	Crook (L)	Remove
128	Manitoba Maple	<i>Acer negundo</i>	18	P	P	P		4	Both leaders pruned, rot	Remove
129	Norway Maple	<i>Acer platanoides</i>	22	G	G	G		4	Lean (L)	Remove
130	Siberian Elm	<i>Ulmus pumila</i>	18	P	P	P		4	Lean (H), impacted by neighbouring tree	Remove
131	Siberian Elm	<i>Ulmus pumila</i>	~14	P	P	P		4	Impacted by neighbouring tree	Missing
132	Siberian Elm	<i>Ulmus pumila</i>	55	P	P	P		4	Broken leader, stem wound (M)	Remove
133	Siberian Elm	<i>Ulmus pumila</i>	17	G	G	F		4	Pruning wounds (L)	Remove
134	Manitoba Maple	<i>Acer negundo</i>	14.5	F	F	F		4	Crook (M), lean (L), stem wounds (M), pruning wounds (M)	Remove
135	Manitoba Maple	<i>Acer negundo</i>	20	P-F	P-F	P-F		4	Crack (M), stem wounds (H), epicormic branching (M), decay present	Remove
136	Manitoba Maple	<i>Acer negundo</i>	11	P	P	P		4	Dead	Remove (Condition)
137	Manitoba Maple	<i>Acer negundo</i>	17.5	F	F	G		4	Lean (M), crook (H)	Missing
138	Siberian Elm	<i>Ulmus pumila</i>	55	F	F	G		4	Lean (M), stem wounds (M), epicormic branching (L), deadwood (L), union at 3 meters	Remove
139	Manitoba Maple	<i>Acer negundo</i>	16	F	G	G		4	sweep (M), epicormic branching (M)	Remove
140	Manitoba Maple	<i>Acer negundo</i>	14.5	F	P-F	F	35	4	Lean (L), crook (H)	Remove
141	Manitoba Maple	<i>Acer negundo</i>	29.5	F	G	G		4	Included fence	Missing
142	Manitoba Maple	<i>Acer negundo</i>	14	F	F	G		4	Crook (L), broken top	Remove

143	Manitoba Maple	<i>Acer negundo</i>	13	F	F-G	G		4	Lean (L), grapevine competition (L), epicormic branching (M)	Remove
144	Manitoba Maple	<i>Acer negundo</i>	17	F	P-F	G		4	Lean (M), bow (H)	Remove
145	Manitoba Maple	<i>Acer negundo</i>	14	F	G	G		4	Lean (L)	Remove
146	Manitoba Maple	<i>Acer negundo</i>	31	F	G	G		4	Lean (L)	Remove
147	Filbert species	<i>Corylus sp.</i>	23, 22	F	G	G		4	Co-dominant at 0.25 meters, included bark	Remove
780	Manitoba Maple	<i>Acer negundo</i>	13, 9, 8	F	F	F		4	Multi-stem at base, included bark, gypsy moth present	Remove
781	Manitoba Maple	<i>Acer negundo</i>	16	F-G	F-G	F-G		4	Sweep (L), crook (L)	Remove
782	Black Walnut	<i>Juglans nigra</i>	17	F	P-F	P-F		4	Lean (H) toward parking lot	Remove
783	Manitoba Maple	<i>Acer negundo</i>	10	P-F	P-F	P-F		4	Lean (H), epicormic branching (M), deadwood (M)	Remove
784	Manitoba Maple	<i>Acer negundo</i>	10	F	F	P-F		4	Bark peeling (M), epicormic branching (M), lean (M), deadwood (M)	Remove
785	Siberian Elm	<i>Ulmus pumila</i>	12	F	F	F-G		4	Bow (M), lean (L)	Remove
786	Manitoba Maple	<i>Acer negundo</i>	12	F	F	F		4	Lean (L) towards parking lot	Remove
787	Norway Maple	<i>Acer platanoides</i>	~15	G	G	G		4		Remove
788	Norway Maple	<i>Acer platanoides</i>	10	G	G	G		4		Remove
789	Norway Maple	<i>Acer platanoides</i>	10	G	F	G		4	Sweep (L)	Remove
790	Norway Maple	<i>Acer platanoides</i>	15	F	F-G	F-G		4	Crook (L), sweep (L), epicormic branching (M)	Remove
791	Manitoba Maple	<i>Acer negundo</i>	11	F	P-F	F		4	Bow (H)	Remove
792	Manitoba Maple	<i>Acer negundo</i>	14	F	F-G	F		4		Remove
793	Manitoba Maple	<i>Acer negundo</i>	11	F	F-G	F-G		4	Crook (L)	Remove
794	Manitoba Maple	<i>Acer negundo</i>	13	F	F	F-G		4	Crook (H), poor form, suppressed	Remove
795	Siberian Elm	<i>Ulmus pumila</i>	38	F-G	F	F-G		4	Crook (M) in crown	Remove
796	Manitoba Maple	<i>Acer negundo</i>	13	F	F	F		4	Lean (M), suppressed	Remove
797	White Elm	<i>Ulmus americana</i>	12	F-G	F	F		4	Suppressed	Remove
798	Norway Maple	<i>Acer platanoides</i>	11	G	G	G		4		Remove
799	Norway Maple	<i>Acer platanoides</i>	12.5	G	F-G	G		4		Remove
800	Norway Maple	<i>Acer platanoides</i>	14	G	G	G		4	Asymmetrical crown (L)	Remove
801	Norway Maple	<i>Acer platanoides</i>	13	G	G	G		4		Remove
802	Norway Maple	<i>Acer platanoides</i>	13	G	G	G		4		Remove
803	Siberian Elm	<i>Ulmus pumila</i>	10.5	F-G	F-G	F		4		Remove
804	Manitoba Maple	<i>Acer negundo</i>	10.5	F-G	F-G	F-G		4		Remove
1418	Siberian Elm	<i>Ulmus pumila</i>	19, 14	F-G	F	F-G		4	Co-dominant stems at 1 meter, included bark, twisting stems	Remove
A	Weeping Willow	<i>Salix x sepulcralis</i>	~205	F	F	F		4	union at 1.5 m, natural branch scars (M), included bark, gypsy moth present, broken branches (M), deadwood (L)	Retain
B	Siberian Elm	<i>Ulmus pumila</i>	15, 13	F	F	G		4	Co-dominant stems at 0.25 meters, included bark, pruning wounds (H)	Remove
C	Manitoba Maple	<i>Acer negundo</i>	28.5	P-F	F	F		4	Main stem dead with rot and broke off at 3.5m, lean(M), wildlife den below root zone, elevated hazard	Missing
D	Silver Maple	<i>Acer saccharinum</i>	48	P-F	P	P	100	4	Elevated risk potential, tree is dead, removal recommended	Missing
E	Siberian Elm	<i>Ulmus pumila</i>	45	P-F	F	F	20	4	Target canker on stem(H), asymmetrical crown(M)	Missing
F	Siberian Elm	<i>Ulmus pumila</i>	59	F	F	F	10	4	Ribbing (H), asymmetrical crown (M), union at 6 meters, broken branches (L)	Remove
G	Siberian Elm	<i>Ulmus pumila</i>	15.5, 11	F	F	F-G		4	Co-dominant stems at 0.25 meters, pruning wounds (M)	Remove
H	Siberian Elm	<i>Ulmus pumila</i>	22, 20, 12	G	F	G		4	Multi-stem at 0.25 meters, included bark, pruning wounds (L)	Remove

Codes		
DBH	Diameter at Breast Height	(cm)
TI	Trunk Integrity	(G, F, P)
CS	Crown Structure	(G, F, P)
CV	Crown Vigor	(G, F, P)
Cat.	City of Toronto Tree Category	01-May
DL	Dripline	(m)
~ = Estimate, (L) = low, (M) = moderate, (H) = heavy		

Table 2. Stand Tally Analysis

Location: 4050 Yonge St. Toronto
Date: 28 January 2020
Surveyor: KD
Compartment Number: N/A
Stations Talled: 100% Tally

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

Tree Size Class >>>>	11-20cm	21-30cm	31-40cm	41-50cm	Regeneration	Total All Sizes
					< 10 cm	
Species						
Siberian Elm (<i>Ulmus pumila</i>)	2				86	88
Manitoba Maple (<i>Acer negundo</i>)	3				107	110
Norway Maple (<i>Acer platanoides</i>)	4				108	112
Black Walnut (<i>Juglans nigra</i>)					1	1
Staghorn Sumac (<i>Rhus typhina</i>)					26	26
White Elm (<i>Ulmus americana</i>)					5	5
Green Ash (<i>Fraxinus pennsylvanica</i>)					23	23
Total Number of Trees	9	0	0	0	356	365