Tree Inventory and Preservation Plan
2620 Chalkwell Close
Mississauga, Ontario

prepared for

Dunpar
105 Six Point Road
Etobicoke, Ontario
M8Z 2X3

prepared by

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KUNTZ FORESTRY CONSULTING INC. Project P3982

Introduction

Kuntz Forestry Consulting Inc. was retained by Dunpar to complete a Tree Inventory and Preservation Plan for the proposed development located at 2620 Chalkwell Close in Mississauga, Ontario. The subject property is located on the west end of Chalkwell Close, north of Truscott Drive, and east of Lockhart Road, within a residential area.

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

- Prepare inventory of the tree resources measuring 10cm diameter at breast height (DBH) and greater on and within six metres of the subject property and trees of all sizes within the road right-of-way;
- Evaluate potential tree saving opportunities based on proposed development plans, and;
- Document the findings in a Tree Inventory and Preservation Plan.

The results of the evaluation are provided below.

Methodology

Tree Inventory

Trees measuring 10cm DBH and greater on and within six metres of the subject property and trees of all sizes within the road right-of-way were identified in the tree inventory. Trees were located using the topographic survey provided for the subject property, aerial imagery, and estimations made from known points in the field. Tree resources included in the inventory were identified as Trees 1376 – 1396, A – Z, and AA – AN. Where appropriate, trees were tagged with their identification numbers. Trees that were not tagged were identified using the alphabetic sequence. Where trees occurred in groups and their individual locations could not be deciphered, they were inventoried as tree polygons. Five polygons were included in the inventory and were identified as Polygons P-1 – P-5.

Tree resources were assessed 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.
Dripline – Crown radius (m).
Comments – Any other relevant tree condition information.

Refer to Figure 1 for the tree and polygon locations and Table 1 for the results of the tree inventory. See Appendix A for photographs of the trees and polygons.

Tree Valuation

A valuation was calculated for trees located within the road right-of-way and the adjacent parkland. The value was calculated using the Trunk Formula Technique. This method is described in the

Guide for Plant Appraisal, 10th Edition (CTLA 2018). The Ontario Supplement (2021) provides regionally relevant data pertaining to species-specific basic costs for trees.

Trunk Formula Technique

This method is used for trees that are larger than what is commonly available for transplant from a nursery. The Unit Tree Cost of the replacement tree is derived from a survey of nurseries or supplied by the Regional Plant Appraisal Council and published within the Ontario Supplement (2021). For Ontario, the species-specific Unit Tree Costs has been calculated within the Ontario Supplement (2021) and these Unit Tree Costs has been used for the calculation.

The Basic Tree Cost is calculated by multiplying the Unit Tree Cost by the cross-sectional area of the subject tree. For multi-stemmed trees, the appraised trunk area considers the cross-sectional area of all stems. The Appraised Value is calculated by multiplying the Basic Reproduction Cost by the three depreciation factors (Condition Rating, Functional Limitation Rating, and External Limitation Rating, as described in the Guide).

The appraised value is therefore calculated using the following equation:

Basic Tree Cost = Appraised Tree Trunk Area X Unit Tree Cost

Appraised Value = Basic Tree Cost X Condition Rating X Functional Limitation Rating X External Limitation Rating

Functional Limitation Ratings and External Limitation Ratings are calculated according to the methods outlined in the guide. Condition Ratings were calculated based on the assessed condition of the trees on the site and in accordance with the guide. The final values were rounded to the nearest $100 for values greater than $2000, and to the nearest $5 for values less than $2000.

Refer to Table 2 for the individual tree value computation.

Existing Site Conditions

The subject property is currently occupied by vacant land. Tree resources exist in the form of landscape trees and self-seeded volunteers. Refer to Figure 1 for the existing site conditions.

Tree Resources

The tree inventory was conducted on 23 October 2023. The inventory documented 61 trees and five polygons on and adjacent to the subject property. Refer to Table 1 for the detailed tree inventory and Figure 1 for the locations of the trees and polygons reported in the inventory. See Appendix A for photographs of the trees.

Tree resources were comprised of Black Walnut (*Juglans nigra*), Blue Spruce (*Picea pungens*), Catalpa species (*Catalpa sp.*), Cherry species (*Prunus sp.*), Eastern White Cedar (*Thuja occidentalis*), Little-leaf Linden (*Tilia cordata*), Manitoba Maple (*Acer negundo*), Norway Maple (*Acer platanoides*), Pin Oak (*Quercus palustris*), River Birch (*Betula nigra*),Siberian Elm (*Ulmus pumila*), Silver Maple (*Acer saccharinum*), Thornless Honey Locust (*Gleditsia triacanthos var. inermis*), White Ash (*Fraxinus americana*), White Birch (*Betula papyrifera*), White Mulberry (*Morus alba*), White Pine (*Pinus strobus*), White Spruce (*Picea glauca*), and Willow species (*Salix sp.*).

Proposed Development

The proposed development includes the construction of 12 blocks of townhomes. Internal roadways, walkways, and surface parking areas are proposed within the subject property. Vehicular access is proposed from Chalkwell Close. Refer to Figure 1 for the proposed site plan.

Discussion

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

Development Impacts / Tree Removal

The removal of 27 trees, including Trees 1376 – 1379, 1381 – 1396, A, B, Q, R, T, V, and AN, will be required to accommodate the proposed development.

Trees 1376 – 1379, 1381, 1385, 1386, 1388 – 1390, 1392, A, B, Q, R, and V are located on private property and are 15cm DBH and greater. As such, these trees will require a permit prior to their removal. Tree AN is located within the Chalkwell Close right-of-way and as such, permission from the City of Mississauga will be required prior to the removal of this tree.

In addition to the aforementioned requirements, written permission will be required prior to the removal of any tree located fully or partially (i.e. shared trees) on neighbouring properties. As such, written permission will be required for the removal of Trees A, B, Q, R, and V.

It should be noted that Tree T is a parkland tree that appears to have been mistakenly planted within the subject property.

Refer to Figure 1 for the locations of trees identified for removal.

Tree Preservation

The preservation of the remaining 34 trees and five polygons, including Trees 1380, C – P, S, U, W – Z, AA, and AC – AN, and Polygons P-1 – P-5, will be possible with the use of appropriate tree protection measures, as indicated on Figure 1. Tree protection measures must be implemented prior to the commencement of the proposed works to ensure tree resources designated for retention are not impacted. Refer to Figure 1 for the location of required tree preservation fencing, general Tree Protection Plan Notes, and tree preservation fence details.

Where the minimum tree protection zone (mTPZ) of a tree cannot be fully respected, including for Trees K, AB, AI, and AM, special mitigation measures have been prescribed and are described below.

<u>Trees K, AB, and AI</u>

Encroachment into the mTPZs of Trees K, AB, and AI will be required to accommodate the construction of proposed sidewalks and / or laneways. Tree preservation fencing has been prescribed within the mTPZs of these trees at the anticipated limits of encroachment. If the following mitigation measures are employed, long-term adverse effects are not anticipated for these trees.

1. Prior to the commencement of the proposed works, tree preservation fencing must be installed as depicted on Figure 1 and maintained throughout the proposed works.
2. Where indicated on Figure 1 with solid cyan, air-spade or low-pressure hydro-vacuum technology should be used to excavate trenches, under the supervision of a Certified Arborist, at the anticipated limit of disturbance within the mTPZs of these trees.
3. The depth of the trenches will depend on the depth of excavation required to construct the proposed sidewalk or laneway.
4. The roots exposed within the trenches are to be pruned by a Certified Arborist in accordance with Good Arboricultural Standards.
5. The trenches are to be backfilled with clean topsoil.
6. Where softscaping is to occur within the mTPZs of these trees, it should occur by-hand.
7. Any branches that extend into the proposed development and require pruning should be pruned by a Certified Arborist or other tree professional in accordance with Good Arboricultural Standards.

A permit to injure Trees K, AB, and AI will be required.

Tree AM

Encroachment into the mTPZ of Tree AM will be required to accommodate the removal of the existing sidewalk and curb. Tree preservation fencing has been prescribed within the mTPZ of this tree at the anticipated limit of encroachment. If the following mitigation measures are employed, long-term adverse effects are not anticipated for this tree.

1. Prior to the commencement of the proposed works, tree preservation fencing must be installed as depicted on Figure 1 and maintained throughout the proposed works.
2. The existing sidewalk and curb should be removed carefully, using small machinery (i.e. a skidsteer).
3. Any roots encountered within the subsurface material are to be left intact.
4. Once the sidewalk has been removed, no machinery use will be permitted within the exposed area of mTPZ from which the sidewalk was removed.
5. Where softscaping is to occur within the mTPZ of Tree AM, it should occur by-hand.

A permit to injure Tree AM will be required.

Tree Valuation

A valuation was calculated for Trees U, AM, and AN. Tree U is located within the adjacent parkland and Trees AM and AN are located within the Chalkwell Close right-of-way. The total appraised value of these City-owned trees was calculated to be $1155.00. Refer to Table 2 for the tree value computation.

Tree Compensation

The City of Mississauga requires replacement plantings to compensate for the removal of public and private trees. The ratio of the required replacement plantings per tree is below:

DBH of Tree to be Removed (cm)	Number of Replacement Plantings
6 – 15	1
16 – 30	2
31 – 45	3
46 – 60	4
61 – 75	5
76 – 90	6
91– 105	7
106 – 120	8
>120	9

To compensate for the removal of trees on the subject property, 54 replacement plantings will be required within the boundaries of the subject property. To compensate for the removal of Tree AN, a public tree, two replacement plantings will be required within the Chalkwell Close right-of-way.

Refer to Table 1 for the individual tree compensation requirements.

Summary and Recommendations

Kuntz Forestry Consulting Inc. was retained by Dunpar to complete a Tree Inventory and Preservation Plan for the proposed development located at 2620 Chalkwell Close in Mississauga, 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 61 trees and five polygons on and adjacent to the subject property. The removal of 27 trees will be required to accommodate the proposed development. All remaining trees and polygons can be preserved provided appropriate tree protection is installed, as shown on Figure 1.

The following recommendations are suggested to minimize impacts to trees identified for preservation. Refer to Figure 1 for tree protection fencing locations, general Tree Protection Plan Notes, and tree preservation fence details.

- Tree protection barriers and fencing should be erected at locations as prescribed on Figure 1. All tree protection measures should follow the guidelines as set out in the tree preservation plan notes and the tree preservation fencing detail.

- No construction activity including surface treatments, excavations of any kind, storage of materials or vehicles, unless specifically outlined above, is permitted within the area identified on Figure 1 as a tree protection zone (TPZ) at any time during or after construction.

- Special mitigation measures have been prescribed for select trees, as outlined in the *Tree Preservation* section of this report.

- Branches and roots that extend beyond prescribed tree protection zones that require pruning must be pruned by a qualified Arborist or other tree professional. All pruning of tree roots and branches must be in accordance with Good Arboricultural Standards.

- Site visits pre, during, and post construction are 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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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: 2620 Chalkwell Close, Mississauga Date: 23 October 2023 Surveyors: KNH

Tree #	Common Name	Scientific Name	DBH	Multistem DBH	TI	CS	CV	CDB	DL	mTPZ	Comments	Owner	Action	Rep.
1376	Norway Maple	*Acer platanoides*	36		F	FG	F		4	2.4	Lean (L), seam (M), multiple branch attachments	Subject Property	Remove	3
1377	Blue Spruce	*Picea pungens*	~32		F	F	F	20	3	2.4	Lean (M)	Subject Property	Remove	3
1378	Manitoba Maple	*Acer negundo*	24, 22	32.5	F	PF	PF	10	4	2.4	V-union at base with included bark, epicormic branching (H), lean (L), bow (L), asymmetrical crown (L)	Subject Property	Remove	3
1379	Manitoba Maple	*Acer negundo*	21		F	F	F		5	1.8	Bow (M), asymmetrical crown (M), epicormic branching (M)	Subject Property	Remove	2
1380	Manitoba Maple	*Acer negundo*	11, 9	14	F	F	FG		3	1.5	V-union at base with included bark, lean (L), multiple branch attachments, poor branch unions	Subject Property	Preserve	
1381	Silver Maple	*Acer saccharinum*	31		F	G	G		4	2.4	V-union at 1.5m and 2m with included bark	Subject Property	Remove	3
1382	Blue Spruce	*Picea pungens*	~12		PF	F	F		1	1.5	Sweep (H), asymmetrical crown (L), epicormic branching (L)	Subject Property	Remove	1
1383	White Spruce	*Picea glauca*	13		PF	PF	PF	30	2	1.5	V-union at 2m with included bark, lean (M)	Subject Property	Remove	1
1384	White Pine	*Pinus strobus*	14.5		FG	G	FG		2	1.5	Lean (L)	Subject Property	Remove	1
1385	Little-leaf Linden	*Tilia cordata*	17.5, 17.5, 16.5	29.5	F	FG	FG		3	1.8	V-union at base with included bark	Subject Property	Remove	2
1386	Little-leaf Linden	*Tilia cordata*	16.5		G	F	F		2	1.5	Epicormic branching (M)	Subject Property	Remove	2
1387	Pin Oak	*Quercus palustris*	13		G	G	G		2	1.5		Subject Property	Remove	1
1388	Thornless Honey Locust	*Gleditsia triacanthos var. inermis*	19.5		G	FG	G		3	1.5	Broken branches (L)	Subject Property	Remove	2
1389	Thornless Honey Locust	*Gleditsia triacanthos var. inermis*	25		G	G	G		4	1.8		Subject Property	Remove	2
1390	Thornless Honey Locust	*Gleditsia triacanthos var. inermis*	16		G	G	G		3	1.5		Subject Property	Remove	2
1391	Manitoba Maple	*Acer negundo*	13		G	F	F		3	1.5	Epicormic branching (M)	Subject Property	Remove	1

1392	Thornless Honey Locust	*Gleditsia triacanthos var. inermis*	26, 13.5	29.5	F	F	F		4	1.8	V-union at 0.2m with included bark, epicormic branching (M)	Subject Property	Remove	2
1393	White Birch	*Betula papyrifera*	11		F	PF	P	50	2	1.5	V-union at 2m with included bark, lean (L)	Subject Property	Remove	1
1394	Thornless Honey Locust	*Gleditsia triacanthos var. inermis*	12		F	G	F		3	1.5	Stem wounds (M)	Subject Property	Remove	1
1395	Willow species	*Salix sp.*	~4 - 10		F	F	F	10	2	1.5	Multistem with unions between base and 1.5m, some unions with included bark, epicormic branching (M)	Subject Property	Remove	1
1396	White Spruce	*Picea glauca*	~14		FG	G	G		2	1.5	Lean (L)	Subject Property	Remove	1
A	Norway Maple	*Acer platanoides*	~24		PF	F	F		2	1.8	Included fence (H), epicormic branching (M)	Shared	Remove	2
B	Manitoba Maple	*Acer negundo*	~32, 30	~44	PF	PF	PF	30	5	3.0	V-union at 1m with included bark, included fence (H), epicormic branching (M)	Shared	Remove	3
C	Manitoba Maple	*Acer negundo*	~14		F	FG	FG		3	1.5	Included fence (L), epicormic branching (L), bow (L)	Shared	Preserve	
D	Siberian Elm	*Ulmus pumila*	~62		PF	F	F	20	7	4.2	Included fence (H), epicormic branching (M), bow (L)	Shared	Preserve	
E	Norway Maple	*Acer platanoides*	~30, 14	~33	P	PF	PF	20	7	2.4	Included fence (H), bow (H) over subject property, union at base, epicormic branching (L), broken branches (L), asymmetrical crown (H)	Shared	Preserve	
F	Manitoba Maple	*Acer negundo*	~24, 22, 14, 14	~38	F	F	F		5	2.4	Union at base, lean (L-M),	Shared	Preserve	
G	Siberian Elm	*Ulmus pumila*	28, 18	33.5	P	PF	PF	20	5	2.4	Included fence (H), epicormic branching (M), crook (H), union at 0.5m, poor branch unions, cavities (H)	Shared	Preserve	
H	Siberian Elm	*Ulmus pumila*	~14		PF	P	PF		2	1.5	Fused to Tree I at base, main leader lost at 2m, epicormic branching (M)	Shared	Preserve	
I	Norway Maple	*Acer platanoides*	~14		P	G	F		3	1.5	Fused to H at base, included fence (M), sweep (M)	Shared	Preserve	
J	Siberian Elm	*Ulmus pumila*	~18, 16	~24	P	PF	PF		3	1.8	Included fence (H), v-union at 0.2m with included bark, one leader lost at 1.5m, one leader sweep (H), epicormic branching (M)	Subject Property	Preserve	

K	Siberian Elm	*Ulmus pumila*	~54		F	PF	PF	40	7	3.6	V-union at 1.5m with included bark, included fence (L)	Subject Property	Preserve (Injure)	
L	Norway Maple	*Acer platanoides*	~14		F	F	F		2	1.5	Included fence (L), lean (L), asymmetrical crown (M)	Subject Property	Preserve	
M	Norway Maple	*Acer platanoides*	12, 9, 8, 8, 6	19.5	P	PF	F		3	1.5	V-union at base and 0.5m with included bark, sweep (H), poor branch unions, included fence (H), asymmetrical crown (H), epicormic branching (L)	Subject Property	Preserve	
N	Siberian Elm	*Ulmus pumila*	~26		FG	F	F	10	4	1.8	Bow (L), asymmetrical crown (M)	Neighbour Property	Preserve	
O	Siberian Elm	*Ulmus pumila*	~50		G	PF	PF	40	6	3.0		Neighbour Property	Preserve	
P	Siberian Elm	*Ulmus pumila*	~28		G	F	F	20	4	1.8	Epicormic branching (L)	Neighbour Property	Preserve	
Q	Siberian Elm	*Ulmus pumila*	~38, 38, 36, 10, 10	~66	PF	PF	PF	30	7	4.2	V-union at base and 1m with included bark and wetwood, included fence (M), epicormic branching (M), one leader decay (M)	Shared	Remove	5
R	Siberian Elm	*Ulmus pumila*	~54		G	F	F	20	7	3.6		Shared	Remove	4
S	Norway Maple	*Acer platanoides*	~22, 20	~29.5	FG	FG	FG		4	1.8	V-union at base	Neighbour Property	Preserve	
T	Catalpa species	*Catalpa sp.*	5		G	G	G		1	1.2	Parkland tree that appears to have been mistakenly planted within the subject property	Subject Property	Remove	0
U	Catalpa species	*Catalpa sp.*	4.5		G	G	G		1	1.2	One leader cut at base,	City (Parkland)	Preserve	
V	Manitoba Maple	*Acer negundo*	~62, 38	~72.5	F	P	P	50	8	4.8	V-union at base, lean (L), multiple branch attachments, poor branch unions, decay (M) in trunk, epicormic branching (H), bow (M), broken branches (M)	Shared	Remove	5
W	Manitoba Maple	*Acer negundo*	~16, 16	~22.5	F	F	F		4	1.8	Bow (M), asymmetrical crown (L), epicormic branching (M)	Neighbour Property	Preserve	
X	Manitoba Maple	*Acer negundo*	~40, 40	~56.5	F	FG	F		5	3.6	V-union at 1m with included bark, epicormic branching (L)	Neighbour Property	Preserve	

Y	Cherry species	*Prunus sp.*	~14, 12	~18.5	F	F	F		4	1.5	V-union at 1m with included bark, epicormic branching (L), lean (L), asymmetrical crown (L)	Neighbour Property	Preserve	
Z	Blue Spruce	*Picea pungens*	~42		G	G	G		4	3.0		Neighbour Property	Preserve	
AA	Thornless Honey Locust	*Gleditsia triacanthos var. inermis*	~96		F	F	F	10	7	6.0	V-union at 3m with included bark, epicormic branching (L)	Neighbour Property	Preserve	
AB	Thornless Honey Locust	*Gleditsia triacanthos var. inermis*	~96		FG	F	F	20	8	6.0	Included dead stub (L)	Neighbour Property	Preserve (Injure)	
AC	White Ash	*Fraxinus americana*	10.5		PF	F	F	20	2	1.5	Lean (L), Emerald Ash Borer (H), v-union at base with included bark and one leader cut	Shared	Preserve	
AD	Black Walnut	*Juglans nigra*	~16		G	G	G		3	1.5		Neighbour Property	Preserve	
AE	Thornless Honey Locust	*Gleditsia triacanthos var. inermis*	~22		G	G	G		4	1.8		Neighbour Property	Preserve	
AF	Thornless Honey Locust	*Gleditsia triacanthos var. inermis*	~28		G	G	G		4	1.8		Neighbour Property	Preserve	
AG	Siberian Elm	*Ulmus pumila*	~52, 36	~63	PF	F	PF	20	7	4.2	V-union at base with included bark, lean (L-M), included fence (H), epicormic branching (M)	Shared	Preserve	
AH	Norway Maple	*Acer platanoides*	22, 16	27	PF	F	F		3	1.8	Included fence (L), v-union at base and 2m with included bark, sweep (L)	Shared	Preserve	
AI	Silver Maple	*Acer saccharinum*	~34, 30, 30, 26, 24, 18	~67.5	F	F	F		6	4.2	V-union at base, 1m, and 2m with included bark, included fence (L), pruning wounds (L)	Shared	Preserve (Injure)	
AJ	Norway Maple	*Acer platanoides*	17		PF	F	F		3	1.5	Included fence (M), lean (L) towards subject property, asymmetrical crown (L)	Subject Property	Preserve	
AK	River Birch	*Betula nigra*	~26		FG	G	G		5	1.8	Lean (L)	Neighbour Property	Preserve	
AL	Norway Maple	*Acer platanoides*	31.5		F	G	F		4	2.4	Sweep (L), v-union at 3m with included bark	City (Parkland)	Preserve	
AM	Norway Maple	*Acer platanoides*	31		F	F	PF	10	3	2.4	Multiple branch attachments, poor branch unions, lean (L)	City (Right-of-Way)	Preserve	

AN	Norway Maple	*Acer platanoides*	28.5		PF	P	P	60	3	1.8	Epicormic branching (M), frost rib (M), cavities (L)	City (Right-of-Way)	Remove	2
P-1	Eastern White Cedar	*Thuja occidentalis*	~10 - 22		FG	FG	FG	10	2	1.8	Approximately ten trees, average DBH = ~14cm, most trees lean (L)	Neighbour Property	Preserve	
P-2	Eastern White Cedar	*Thuja occidentalis*	~10 - 12		FG	FG	F	10	2	1.5	Approximately nine trees, average DBH = ~10cm, most trees lean (L)	Shared	Preserve	
P-3	Eastern White Cedar	*Thuja occidentalis*	~10 - 12		FG	FG	FG		2	1.5	Approximately six trees, average DBH = ~10cm, one tree sweep (M)	Neighbour Property	Preserve	
P-4	Eastern White Cedar	*Thuja occidentalis*	~10 - 26		G	G	G		2	1.8	Approximately 16 trees, average DBH = ~16cm	Neighbour Property	Preserve	
P-5	Norway Maple	*Acer platanoides*	~10 - 30		F	F	FG		3	1.8	Approximately 15 trees, average DBH = ~12cm	Shared	Preserve	
	White Mulberry	*Morus alba*	12, 9								One tree			
	Manitoba Maple	*Acer negundo*	16								One tree			

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)*
CDB	Crown Dieback	*(%)*
DL	Dripline (Radius)	*(m)*
mTPZ	Minimum Tree Protection Zone	*(m)*
Owner	Ownership	*(City, Private, Shared)*
Rep.	Replacement Tree Requirements	*# of Trees*
~ = estimate; (VL) = very light; (L) = light; (M) = moderate; (H) = heavy; (VH) = very heavy		

Table 2. City-Owned Tree Valuation

Location: 2620 Chalkwell Close, Mississauga

Tree #	Common Name	Scientific Name	DBH	OC	*Appraised Trunk Area (cm^2)*	*Unit Tree Cost (RPAC) ($/cm^2$)*	*Basic Tree Cost ($)*	Depreciation			***Appraised Tree Value***	***Adjusted Tree Value***
								Condition Rating (%)	*Functional Limitation Rating (%)*	*External Limitation Rating (%)*		
U	Catalpa species	*Catalpa sp.*	4.5	G	*16*	*8.21*	130.57	*0.9*	*0.9*	*0.9*	$ 95.19	$ 95.00
AM	Norway Maple	*Acer platanoides*	31	PF	*755*	*4.77*	3600.25	*0.375*	*0.6*	*0.9*	$ 729.05	$ 730.00
AN	Norway Maple	*Acer platanoides*	28.5	P	*638*	4.77	3042.98	0.2	0.6	0.9	$ 328.64	$ 330.00
											Total	**$ 1,155.00**

Appendix A. Site Photographs


Image 1. Tree 1376


Image 2. Tree 1377

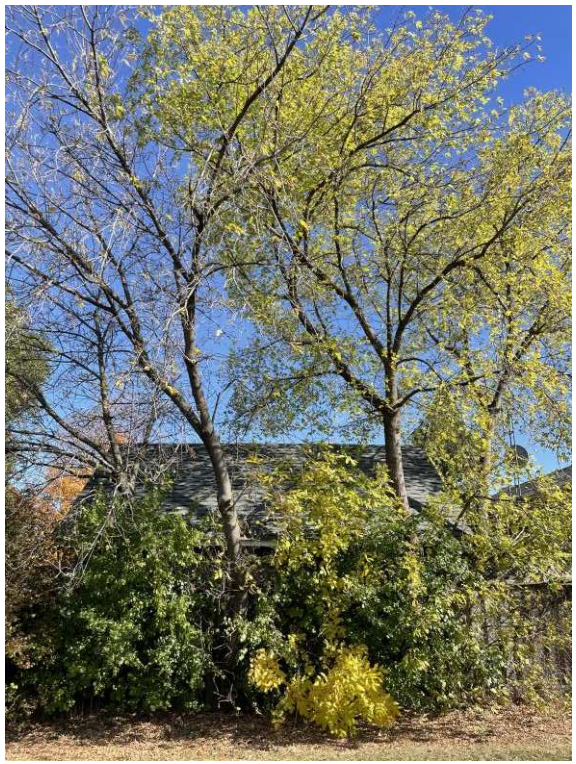
Image 3. Trees 1378 (left) and B (right)

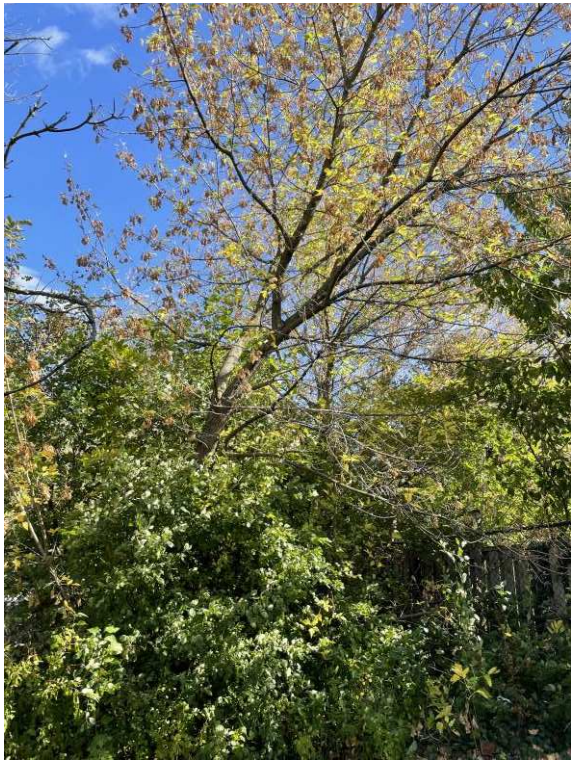
Image 4. Tree 1379


Image 5. Tree 1380


Image 6. Tree 1381


Image 7. Tree 1382


Image 8. Trees 1384 (right) and 1385 (left)

Image 9. Trees 1386 (left) and 1387 (right)

Image 10. From left to right, Trees 1388 – 1390


Image 11. Tree 1391


Image 12. Tree 1392


Image 13. Tree 1393

Image 14. From right to left, Trees 1395, 1394, and 1396

Image 15. Tree A

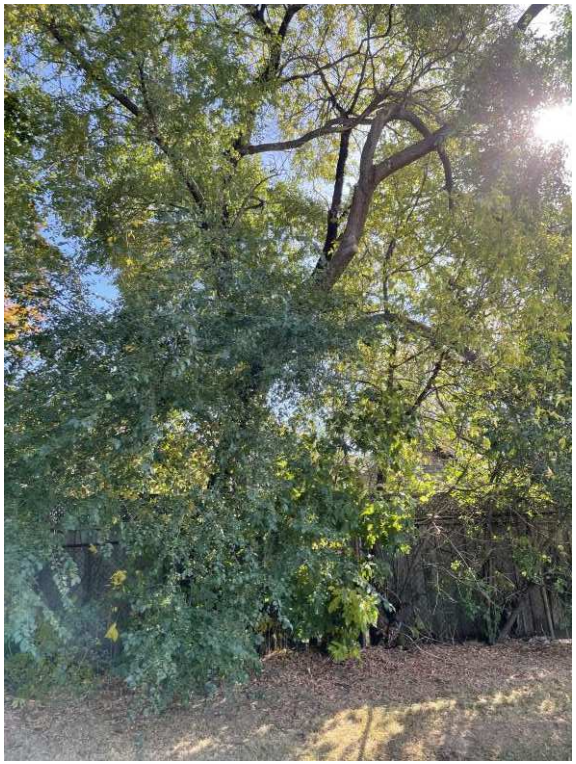
Image 16. Trees C (right) and D (left)

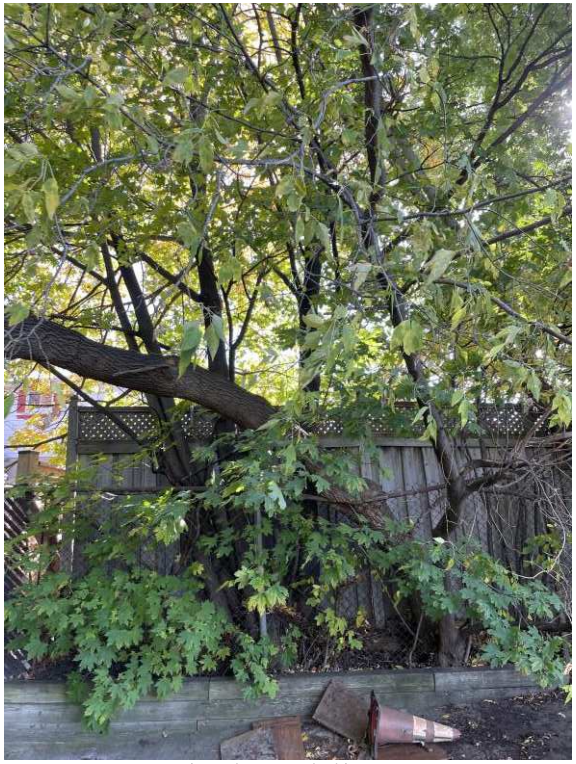
Image 17. Trees E (right) and F (left)

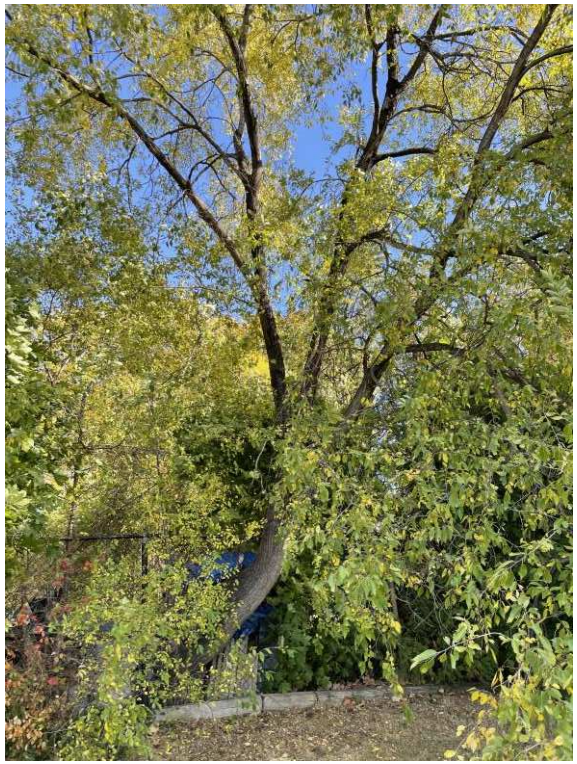
Image 18. Tree G


Image 19. Trees H (right) and I (left)


Image 20. Tree J


Image 21. Trees K (back) and L (front)

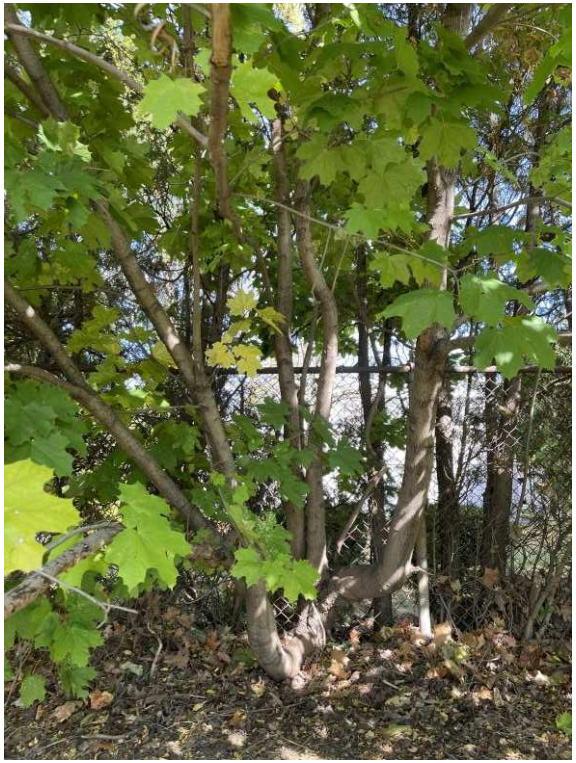
Image 22. Tree M

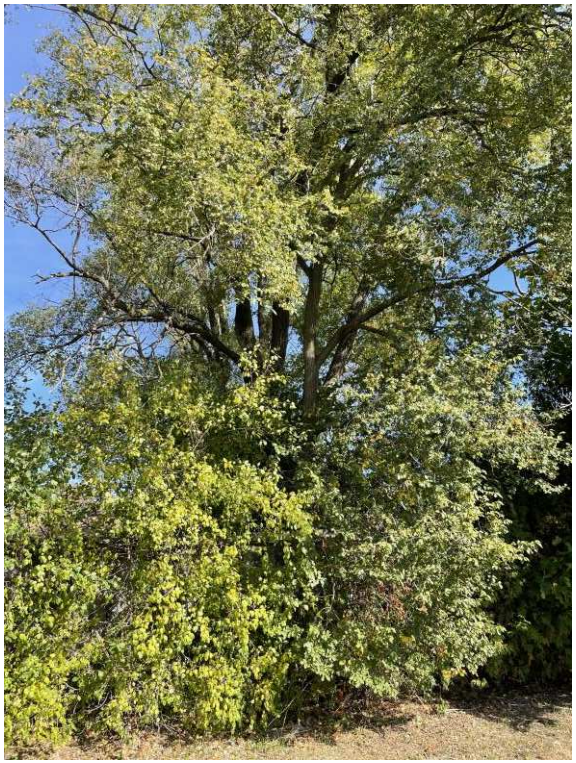
Image 23. From near to far, Trees N – P

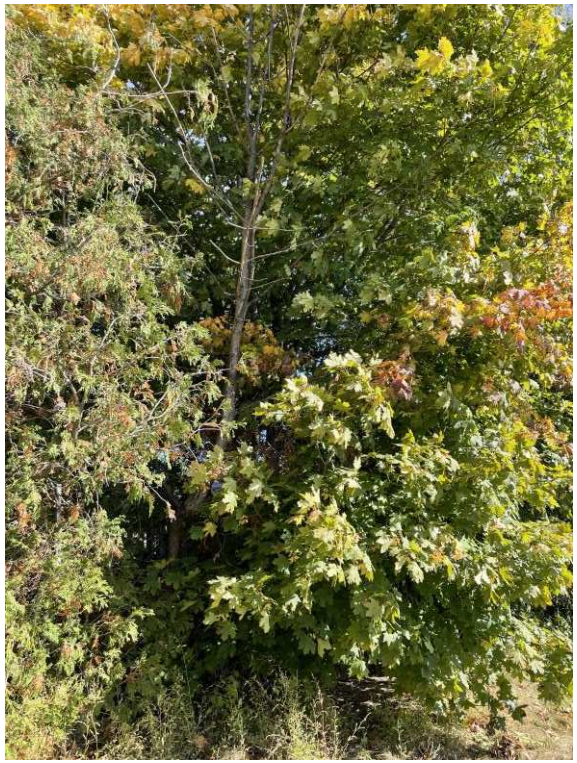
Image 24. Trees Q (right) and R (left)

Image 25. Tree T

Image 26. Tree U

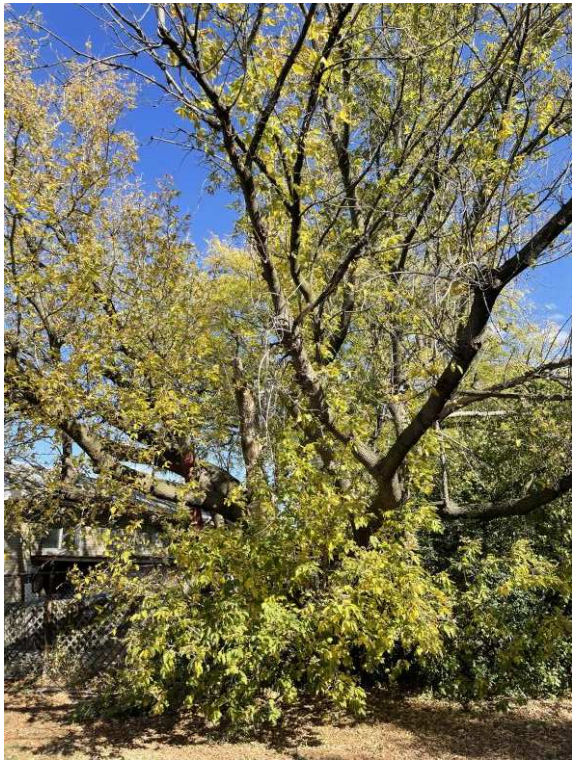

Image 27. Tree V

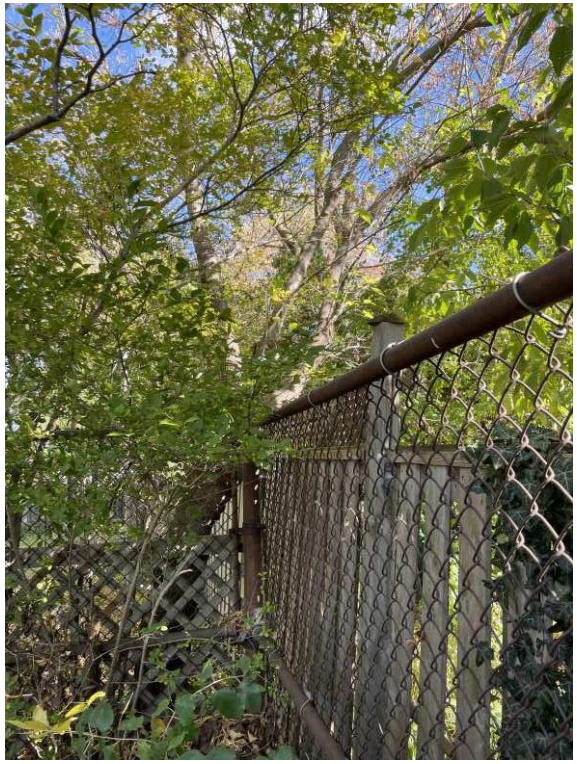
Image 28. Tree W

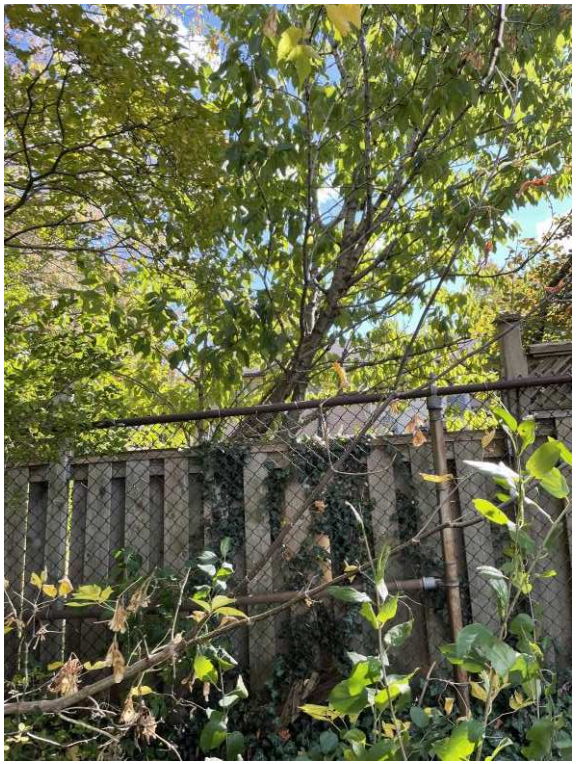
Image 29. Tree Y

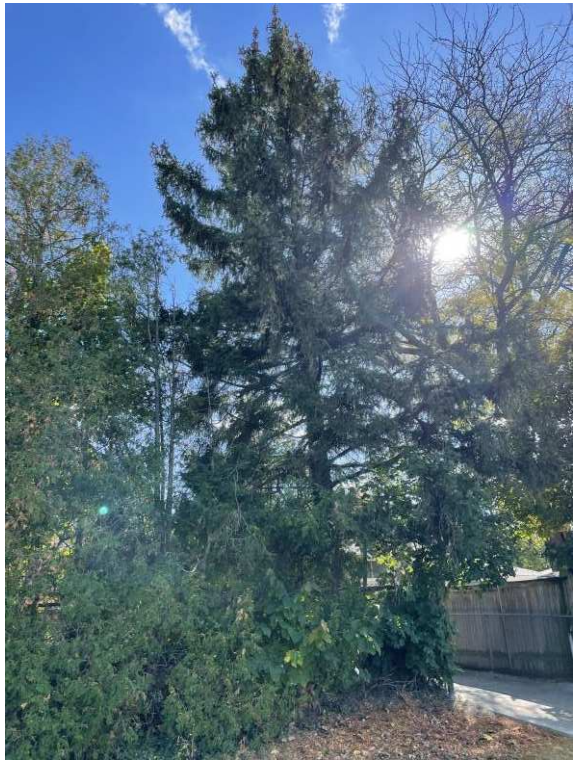
Image 30. Tree Z

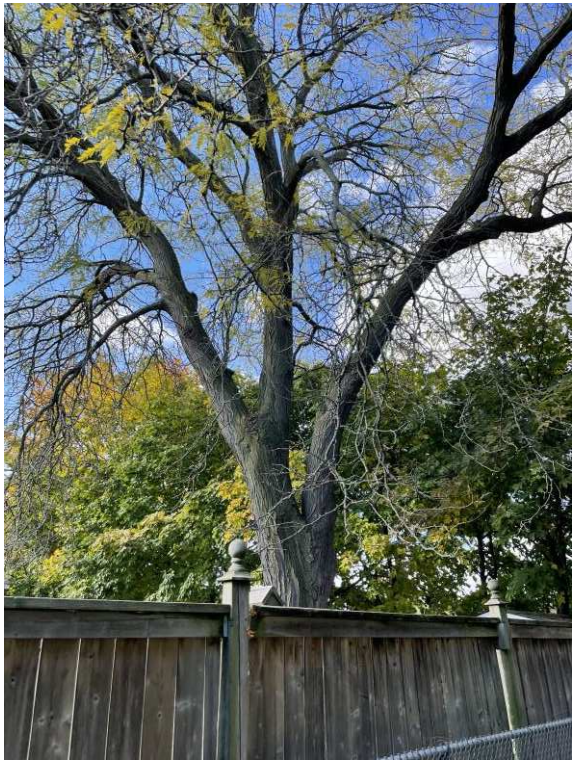
Image 31. Tree AA


Image 32. Tree AB


Image 33. Tree AC

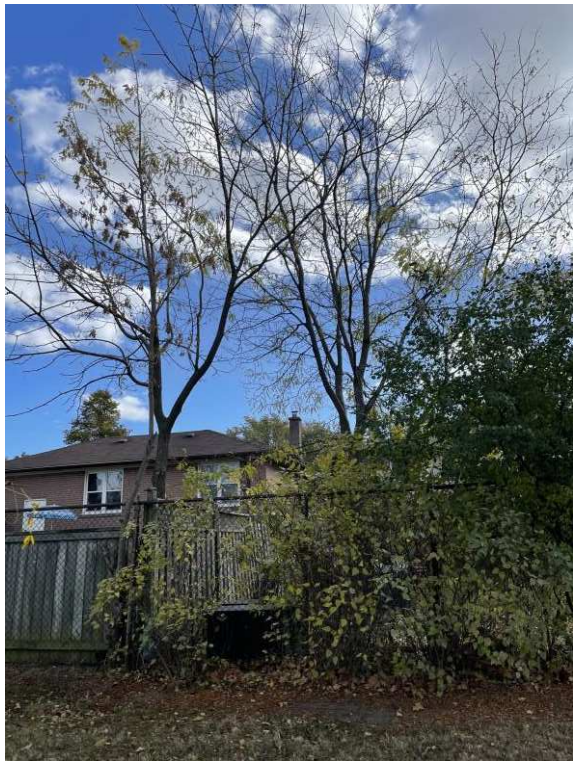
Image 34. Trees AD (left) and AE (right)

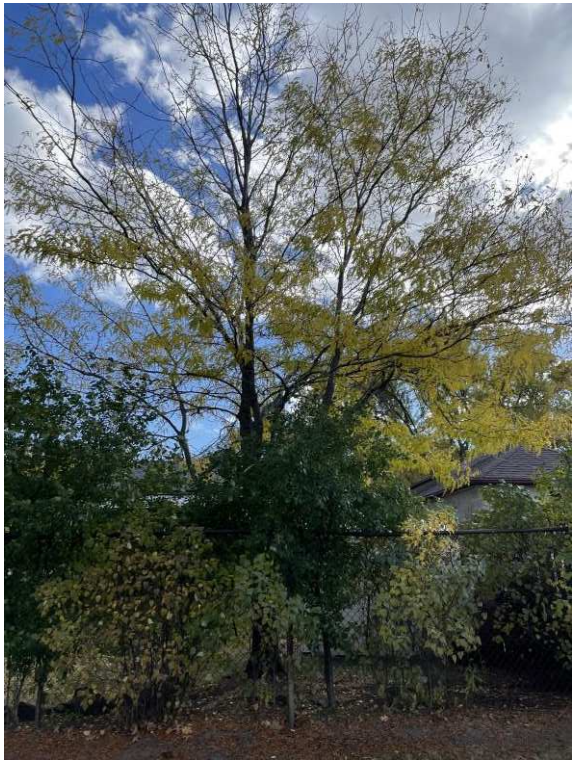
Image 35. Tree AF

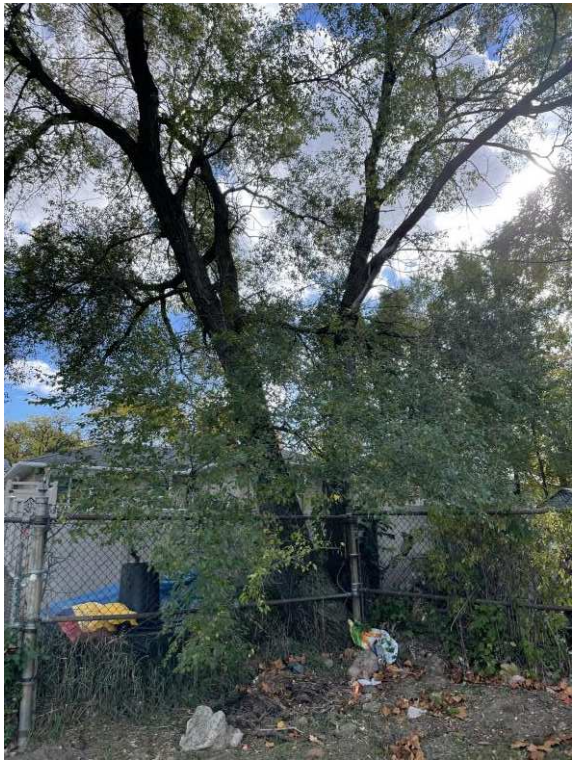
Image 36. Tree AG

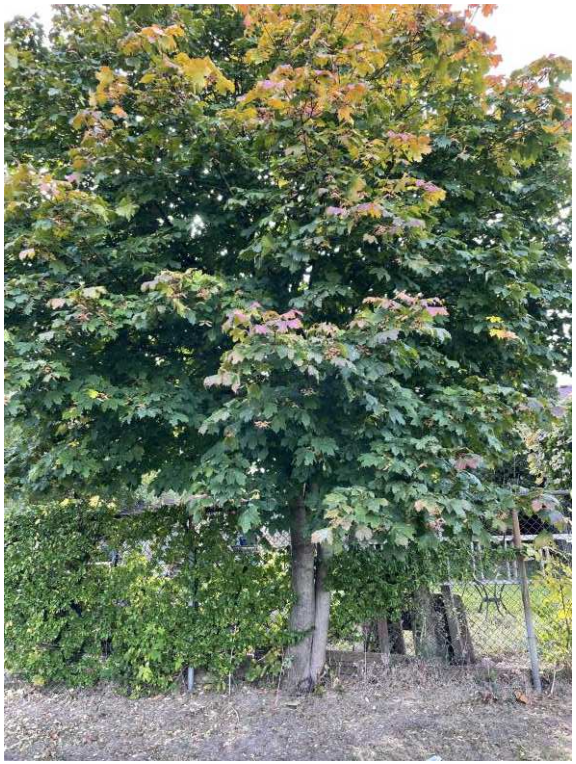
Image 37. Tree AH

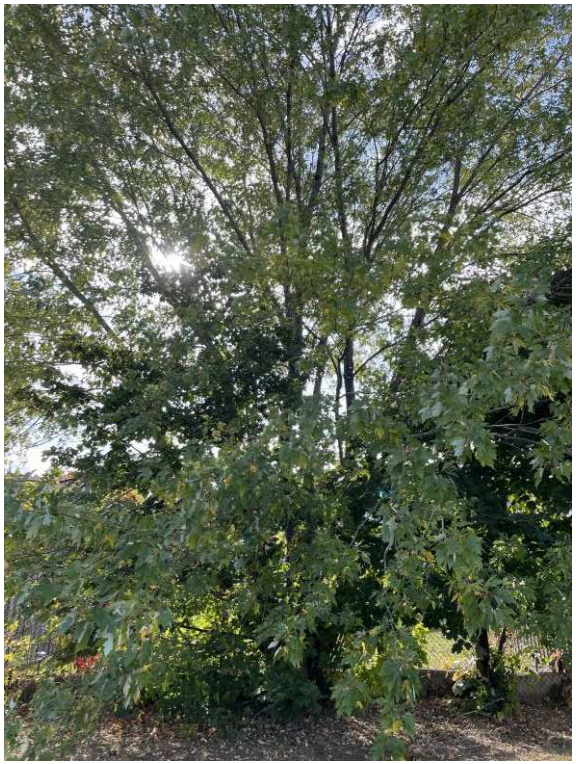
Image 38. Tree AI

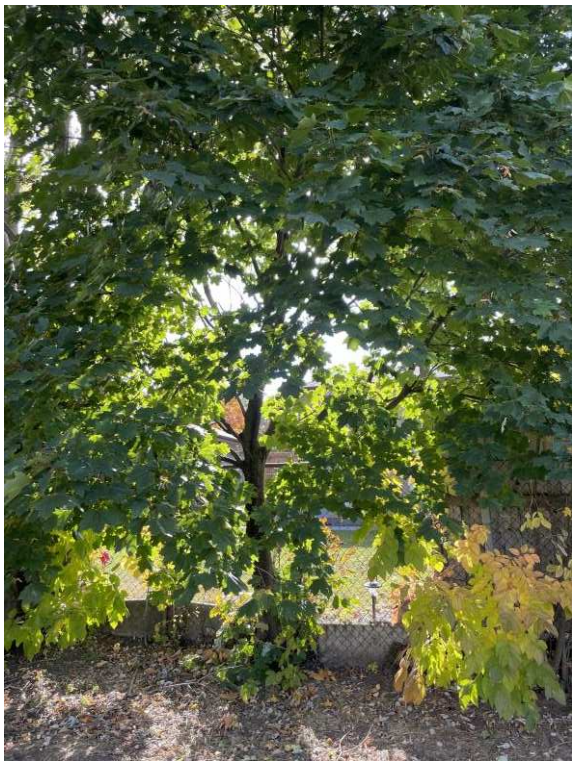
Image 39. Tree AJ


Image 40. Tree AK


Image 41. Tree AL


Image 42. Tree AM


Image 43. Tree AN


Image 44. Polygon P-1

Image 45. Polygon P-2

Image 46. Polygon P-3 and Tree S (far right)

Image 47. Polygon P-4

Image 48. Polygon P-5