Tree Inventory and Preservation Plan Report
5034 – 5080 Ninth Line
Mississauga, Ontario

prepared for

NAK Design Strategies
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prepared by

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KUNTZ FORESTRY CONSULTING INC Project P2885

Introduction

Kuntz Forestry Consulting Inc. was retained by NAK Design Strategies to complete a Tree Inventory and Preservation Plan for the proposed development located at 5034 – 5080 Ninth Line in Mississauga. The property is located southwest of Ninth Line, northwest of E Lower Base Line and northeast of the 407 ETR, within a rural / residential area.

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

- Prepare inventory of the tree resources greater than 15cm DBH on and within 6m of the subject property, 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

Tree resources were assessed utilizing the following parameters:

Tree # - number assigned to tree that corresponds to Figure 1.
Species - common and scientific names provided in the inventory table.
DBH - diameter (centimetres) at breast height, measured at 1.4 m above the ground.
Dripline – distance from the stem of the tree to the outer reaches of the crown,
Condition - condition of tree considering trunk integrity, crown structure, and crown vigour. Condition ratings include poor (P), fair (F) and good (G).
Comments - additional relevant detail.

Trees measuring over 15 cm DBH on and within 6m of the subject property, and trees of all sizes within the road right-of-way were included in the inventory. Trees were located using the topographic survey and measurements taken from known points in-field. Individual trees were identified using tags numbered 501 – 646 and letters A – V (not tagged). One tree polygon was identified and denoted as P1. Refer to Table 1 for the results of the inventory.

Existing Site Conditions

The subject property is currently comprised of one one-storey brick dwelling and one two-storey brick dwelling. On the subject property there also exists a number of outbuildings including a glass shed, chicken coop, woodshed with an addition, wood and concrete block shed, and a metal clad shed. Furthermore, an inground pool, two interlock driveways, and several concrete walkways exist on the subject property. Tree resources exist in the form of landscape trees and natural regeneration.

Tree Resources

The tree inventory was conducted on 11 August 2021. The inventory documented 168 trees and one tree polygon on and within 6m of the subject property. Refer to Table 1 for the full tree inventory and Figure 1 for the location of trees reported in the tree inventory. Refer to Appendix B for photographs of trees.

Tree resources included in the inventory are comprised of Apple species (*Malus sp.*), Austrian Pine (*Pinus nigra*), Black Locust (*Robinia pseudoacacia*), Black Walnut (*Juglans nigra*), Blue Spruce (*Picea pungens*), Bur Oak (*Quercus macrocarpa*), Butternut (*Juglans cinerea*), Cherry species (*Prunus sp.*), Poplar species (*Populus sp.*), Eastern White Cedar (*Thuja occidentalis*), Honey Locust cultivar (*Gleditsia triacanthos 'inermis' cv.*), Manitoba Maple (*Acer negundo*), Norway Maple (*Acer platanoides)*, Pear species (*Pyrus sp.*), Siberian Elm (*Ulmus pumila*), Silver Maple (*Acer saccharinum*), Sugar Maple (*Acer saccharum*), Trembling Aspen (*Populus tremuloides*) Weeping Mulberry (*Morus alba 'pendula'*), White Mulberry (*Morus alba*), White Spruce (*Picea glauca*), Weeping Willow (*Salix babylonica*), and Willow species (*Salix sp.*).

Proposed Development

The proposed development includes the demolition of all existing structures, inground pool, driveways and walkways. The proposed development involves the construction of six high density residential buildings, one with retail space facing Ninth Line. Further, a park area, walkways, parking areas, and public and private roadways are also proposed. Road widening of Ninth Line is also being proposedwhile discussing the proposed development on the subject property. Refer to Figure 1 for the existing conditions and 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 and existing conditions.

Development Impacts/Tree Removal

The removal of 124 trees, identified as Trees 501, 510 – 513, 515 – 527, 546 – 552, 554 – 644, M, and P – V will be required to accommodate the proposed works. All trees identified for removal are greater than 15cm DBH. Trees 554, 555, 563, 564, 577 – 583, 585, 590, 643, and P – V, are located within the City road right-of-way. Trees noted as dead on Figure 1 should also be removed. Refer to Figure 1 for the locations of the proposed tree removals.

Tree Preservation

The preservation of 44 individual trees, identified as Trees 502 – 509, 514, 528 – 545, 553, 645, 646, A – L, N, O, and one tree polygon, P1, 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 proposed demolition to ensure tree resources designated for retention are not impacted by the proposed development. Refer to Figure 1 for the location of required tree preservation fencing and general Tree Protection Plan Notes and tree preservation fence details.

Tree O

Tree O is a Butternut (*Juglans cinerea*) tree, which is an endangered species as per the COSEWIC list. Although this tree can be retained in the context of the proposed site plan, a formal assessment of this tree must be conducted and reported to the Ontario Ministry

of the Environment, Conservation and Parks. The retention suitability of this tree will ultimately be determined by a Butternut Health Assessor and the Ontario Ministry of the Environment, Conservation and Parks.

Trees 502, 530, 532 – 540, 553, G, I – K, and O

Encroachment into the dripline of Tree 502 is required due to the future road widening of Ninth Line. Encroachment into the driplines of Trees 530, 532 – 540, 553, G, I – K, and O is required due to a proposed walkway. Trees 532 – 540, and 553 are being granted at least 1.8m of protection from their base. Trees G, I – K, and O are being granted at least 2.4m of protection from their base. Tree 530 is being granted at least 3m of protection and tree 502 is being granted at least 3.6m of protection. Although the driplines of these trees are being encroached, they are being granted at least the minimum protection consistent with protection standards utilized by surrounding municipalities. This level of protection is expected to be sufficient to protect these trees during construction.

Tree Compensation

The City of Mississauga requires replacement for any by-law protected tree removals. The ratio of required replacement plantings per tree is below:

DBH of Tree to be Removed	Number of Replacement Plantings
15-50 cm	1
>50 cm	2

As such, a total of 101 replacement plantings is required, as there are 89 trees identified for removal between 15 and 50cm DBH, and six trees identified for removal with greater than 50cm DBH. This includes Trees 554, 563, 564, 577, 579 – 583, 585, 643, and P – R, which are City trees.

Tree Valuation

A valuation was calculated for all trees within the City right-of-way. Refer to Appendix A for the individual tree value computations. See below for the methodology used to calculate the appraised value of the trees. 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 (2003) provides regionally relevant data pertaining to 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 (2003). For Ontario, the unit tree cost has been set at $6.51/cm^2 within the Supplement and this value 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.

Results

The total appraised value of trees within the road right-of-way, including Trees 554, 563, 564, 577, 579 – 583, 585, 643, and P – R, was calculated at $ 31,240.

Summary and Recommendations

Kuntz Forestry Consulting was retained by NAK Design Strategies to complete a Tree Inventory and Preservation Plan in support of a development application for the property located at 5034 – 5080 Ninth Line in Mississauga, Ontario. A tree inventory was conducted and reviewed in the context of the proposed site plan.

The findings of the study indicate a total of 168 trees and one tree polygon on and within 6m of the subject property. The removal of 124 trees will be required to accommodate the proposed development. The removal of dead trees on site is also recommended. The remaining tree resources may be saved provided appropriate tree protection measures are maintained during construction.

The following recommendations are suggested to minimize impacts to trees identified for preservation. Refer to Figure 1 for additional tree preservation notes and the preservation fence detail.

- 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 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 mitigation measures are implemented.

Respectfully Submitted,

Kuntz Forestry Consulting Inc.

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Table 1. Tree Inventory

Location: 5034 – 5080 Ninth Line, Mississauga Date: 11 August 2021 Surveyors: KNH

Tree #	Common Name	Scientific Name	DBH	TI	CS	CV	CDB	DL	Comments	Action
501	Weeping Willow	*Salix babylonica*	74	FG	FG	G	10	5	Union at 2m, sweep (L), deadwood (L), broken branches (L)	Remove
502	Weeping Willow	*Salix babylonica*	~60	FG	FG	FG	10	5	Union at 3m, deadwood (L), broken branches (L), sweep (L), epicormic branching (L)	Retain
503	Weeping Willow	*Salix babylonica*	24	G	FG	FG		5	Union at 0.5m, crowded, poor form (L), epicormic branching (L)	Retain
504	Eastern White Cedar	*Thuja occidentalis*	~15	FG	G	G		2	Lean (L)	Retain
505	Eastern White Cedar	*Thuja occidentalis*	~16	FG	G	G		3	Fused stems	Retain
506	Eastern White Cedar	*Thuja occidentalis*	~25	FG	G	G		2	Sweep (L)	Retain
507	Norway Maple	*Acer platanoides*	21.5	FG	G	G		4	Sweep (L), crook (L)	Retain
508	Sugar Maple	*Acer saccharum*	15, 18.5	F	FG	FG	10	2	Union at 0.2 with included bark, stem wound (M), deadwood (L)	Retain
509	Sugar Maple	*Acer saccharum*	26.5	FG	FG	FG	10	2	Union at 2m, stem wound (L), deadwood (L)	Retain
510	Bur Oak	*Quercus macrocarpa*	23, 28	FG	FG	FG		5	Co-dominance at 1m with included bark, sun scorch (M)	Remove
511	Pear species	*Pyrus sp.*	20, 13, 13, 12	F	F	F		4	Union at base with decay (L), 1 lost leader, epicormic branching (M)	Remove
512	Apple species	*Malus sp.*	32	P	F	F	10	3	Stem almost fully hollow - decay (H), lean (M), epicormic branching (H), deadwood (L)	Remove
513	Pear species	*Malus sp.*	~45	P	F	F		4	Stem almost fully hollow - decay (H), poor form (M), epicormic branching (H)	Remove
514	Pear species	*Pyrus sp.*	~22, ~16	F	G	FG		3	Union at 1.2m, sweep (M), epicormic branching (M)	Retain
515	Pear species	*Pyrus sp.*	~15, ~8	FG	G	G		3	Union at 1m, bow (L)	Remove
516	Pear species	*Pyrus sp.*	43, 18.5	FG	FG	FG		4	Fused stems, union at 1m, epicormic branching (M)	Remove
517	Pear species	*Pyrus sp.*	~25, ~20, ~18, ~18, ~15	F	F	F	15	4	Decay (M) in 2 stems, union at 0.2m, epicormic branching (M), deadwood (L)	Remove
518	Pear species	*Pyrus sp.*	10, 12, 16	FG	FG	FG		3	Union at 0.2m, epicormic branching (L)	Remove

519	Pear species	*Pyrus sp.*	~20, ~8	FG	FG	FG		3	Union at base, stems fused, epicormic branching (M)	Remove
520	Pear species	*Pyrus sp.*	~16 - ~30 (avg. ~18)	P	F	F		5	Union at base, 8 stems, shifting root plate, asymmetrical crown (L), lean (M), epicormic branching (M), poor form (M), decay (M) in all stems	Remove
521	Pear species	*Pyrus sp.*	~18, ~28	P	PF	F		4	Shifting root plate, epicormic branching (M), union at base, decay (M) in all stems	Remove
522	Pear species	*Pyrus sp.*	~20, ~15	P	P	P		3	Shifting root plate caused failure - lying horizontally, union at base	Remove
523	Pear species	*Pyrus sp.*	47, 33	P	PF	PF	10	5	Union at base with decay (H), 1 lost leader, broken branches (M), crack with decay (M) from base to canopy, epicormic branching (H), deadwood (L)	Remove
524	Pear species	*Pyrus sp.*	10, 12, 25, 28	F	F	F	10	3	Union at base, broken branches (L), decay at base (M), epicormic branching (M), deadwood (L)	Remove
525	Silver Maple	*Acer saccharinum*	23	FG	FG	G		3	Co-dominance at 1.5m, bow (L),asymmetrical crown (L)	Remove
526	Silver Maple	*Acer saccharinum*	20	FG	G	G		3	Union at 1.5m, crook (L)	Remove
527	Silver Maple	*Acer saccharinum*	23	FG	G	G		3	Co-dominance at 1.5m	Remove
528	Black Locust	*Robinia pseudoacacia*	~25	G	FG	F		3	Epicormic branching (H), pruning wounds (L), lean (L)	Retain
529	Silver Maple	*Acer saccharinum*	20, 20	FG	G	G		4	Co-dominance at 1m with included bark, epicormic branching (L)	Retain
530	Silver Maple	*Acer saccharinum*	28, 11, 38	F	FG	FG		5	Union at 1m with included bark, epicormic branching (M), canker (L)	Retain
531	Silver Maple	*Acer saccharinum*	14	FG	G	G		3	Co-dominance at 2m (V-union), sweep (L)	Retain
532	Silver Maple	*Acer saccharinum*	21.5, 11.5	FG	G	G		4	Union at 0.5 with included bark	Retain
533	Silver Maple	*Acer saccharinum*	16	F	G	G		4	V-union at 2m with included bark, bow (L)	Retain
534	Silver Maple	*Acer saccharinum*	11.5, 12	FG	G	G		4	Co-dominance at 1m	Retain
535	Silver Maple	*Acer saccharinum*	15.5	FG	G	G		4	Union at 2m	Retain
536	Silver Maple	*Acer saccharinum*	10, 5.5	FG	G	G		4	Union at 1m	Retain
537	Silver Maple	*Acer saccharinum*	15	FG	FG	G		4	Pruning wounds (L), asymmetrical crown (L), union at 2m	Retain
538	Silver Maple	*Acer saccharinum*	13.5, 14.5	F	G	G		4	Co-dominance at 1m, stem wounds (L)	Retain

539	Silver Maple	*Acer saccharinum*	12.5	F	FG	G		4	Crook (L), bow (L), asymmetrical crown (L)	Retain
540	Silver Maple	*Acer saccharinum*	12, 16.5	FG	G	FG		4	Co-dominance at 1m (V-union), epicormic branching (L)	Retain
541	Silver Maple	*Acer saccharinum*	11.5	FG	G	G		3	Union at 1.5m	Retain
542	Silver Maple	*Acer saccharinum*	16	FG	G	G		3	Co-dominance at 1.5 (V-union)	Retain
543	Silver Maple	*Acer saccharinum*	16	F	G	G		3	Lean (L), pruning wounds (L) with decay (L)	Retain
544	Silver Maple	*Acer saccharinum*	24.5	FG	G	G		3	Co-dominance at 2m with included bark (V-union)	Retain
545	Silver Maple	*Acer saccharinum*	16, 21	FG	G	FG		3	Co-dominance at 1m with included bark (V-union), epicormic branching (L)	Retain
546	Silver Maple	*Acer saccharinum*	19.5	FG	G	FG		3	Epicormic branching (M), stem wound (L) at base	Remove
547	Silver Maple	*Acer saccharinum*	35.5	FG	G	FG		4	Lean (L), epicormic branching (L)	Remove
548	Bur Oak	*Quercus macrocarpa*	15	F	F	FG		2	Crook (M), asymmetrical crown (M), epicormic branching (L)	Remove
549	Silver Maple	*Acer saccharinum*	21.5	F	G	FG		3	Lean (L), union at 2m, pruning wounds (L), epicormic branching (L)	Remove
550	Silver Maple	*Acer saccharinum*	12, 16	FG	G	G		3	Co-dominance at 1m, stem wounds (L)	Remove
551	White Mulberry	*Morus alba*	7, 10	F	G	G		1	V-union at 0.5m with wetwood	Remove
552	Apple species	*Malus sp.*	19.5, 15, 26.5	G	G	G		3	Union at 0.2m, epicormic branching (L)	Remove
553	White Mulberry	*Morus alba*	17, 16	FG	FG	FG		3	Co-dominance at 0.5m, epicormic branching (M), pruning wounds (M)	Retain
554	Honey Locust (shademaster)	*Gleditsia triacanthos inermis*	28	FG	G	FG		4	Co-dominance at 2.5m, epicormic branching (M)	Remove
555	Black Walnut	*Juglans nigra*	13	G	G	G		3		Remove
556	White Mulberry	*Morus alba*	22, 20	FG	FG	FG		3	Pruning wounds (H), epicormic branching (L), pollarded in past, V-union at 0.5m with wetwood	Remove
557	Silver Maple	*Acer saccharinum*	35.5, 37	F	PF	PF	30	5	Co-dominance at 1m, deadwood (M), epicormic branching (M), cavity at 4m	Remove
558	White Spruce	*Picea glauca*	19.5	FG	FG	FG		2	Sweep (L), asymmetrical crown (L), epicormic branching (L)	Remove
559	White Spruce	*Picea glauca*	27	G	FG	FG	15	3	Sparse crown (L), deadwood (L)	Remove
560	White Spruce	*Picea glauca*	33.5	G	G	G		2	Pruning wounds (L)	Remove
561	White Spruce	*Picea glauca*	21, 33	F	G	G		3	Co-dominance at 0.2m (V-union)	Remove

562	Cherry species	*Prunus sp.*	31.5	FG	FG	G		5	Union at 1.5m with sap oozing, exposed roots (L), pruning wounds (L), poor form (L)	Remove
563	White Mulberry	*Morus alba*	22	F	F	FG		3	Sweep (L), pruning wounds (M) with wetwood, pollarded in past, epicormic branching (L)	Remove
564	Silver Maple	*Acer saccharinum*	72	F	FG	FG		5	Co-dominance at 1.5m with included bark (V-union), deadwood (L), pruning wounds (L)	Remove
565	Pear species	*Pyrus sp.*	17, 12	FG	G	G		3	Co-dominance at 1m (V-union), epicormic branching (M), pruning wounds (L)	Remove
566	Pear species	*Pyrus sp.*	22	F	F	FG		2	Epicormic branching (M), pruning wounds (M), cavity at 1.5m, asymmetrical crown (L)	Remove
567	Silver Maple	*Acer saccharinum*	24, 22	F	FG	G		5	Co-dominance at 0.2m (V-union), bow (M), girdling roots (L)	Remove
568	Silver Maple	*Acer saccharinum*	43	F	F	G		5	Lean (L), co-dominance at 1.5m with included bark, broken branches (L), bow (L), asymmetrical crown (M)	Remove
569	Silver Maple	*Acer saccharinum*	46.5	FG	F	FG	10	5	Lean (L), deadwood (L), pruning wounds (L), asymmetrical crown (L), epicormic branching (L)	Remove
570	Silver Maple	*Acer saccharinum*	56	F	FG	G		5	Co-dominance at 1.5m (V-union), pruning wounds (L), asymmetrical crown (L), inclusion of plastic tube in stem (M)	Remove
571	Willow species	*Salix sp.*	~20, ~24	FG	F	FG		2	Co-dominance at 0.5m (V-union), pruning wounds (H), epicormic branching (H), pollarded in past, sweep (L), disturbance in root zone	Remove
572	Willow species	*Salix sp.*	~30	FG	F	FG		2	Pruning wounds (H), epicormic branching (H), pollarded in past, stem wounds (M), disturbance in root zone	Remove
573	Willow species	*Salix sp.*	~26, ~28	F	F	FG		2	Co-dominance at 1m (V-union, fused), pruning wounds (H), epicormic branching (H), pollarded in past, stem wounds (M), disturbance in root zone	Remove
574	Bur Oak	*Quercus macrocarpa*	16	G	F	FG		2	Crowded, asymmetrical crown (M), epicormic branching (L), disturbance in root zone	Remove
575	Apple species	*Malus sp.*	16, 19.5	G	G	FG		3	Co-dominance at 1m, pruning wounds (L), epicormic branching (L)	Remove
576	Apple species	*Malus sp.*	15.5	G	F	F		2	Epicormic branching (H), pruning wounds (H)	Remove

577	Honey Locust (shademaster)	*Gleditsia triacanthos inermis*	23	F	G	FG	10	3	Co-dominance at 2m (V-union, fused), deadwood (L), sweep (VL), bow (VL)	Remove
578	Silver Maple	*Acer saccharinum*	24.5	FG	PF	PF	40	2	Deadwood (M), broken branches (M), bow (L)	Remove
579	Austrian Pine	*Pinus nigra*	41	FG	G	G		3	Sweep (VL), pruning wounds (L)	Remove
580	Austrian Pine	*Pinus nigra*	35.5	FG	G	G		3	Sweep (L), pruning wounds (L)	Remove
581	Austrian Pine	*Pinus nigra*	41	G	G	G		4	Pruning wounds (L)	Remove
582	Austrian Pine	*Pinus nigra*	33	G	G	G		4	Lean (VL), pruning wounds (L)	Remove
583	Norway Maple	*Acer platanoides*	18	G	G	G		3		Remove
584	Weeping Mulberry	*Morus alba 'Pendula'*	16	G	G	G		1	Pruning wounds (M), pollarded in past	Remove
585	Norway Maple	*Acer platanoides*	24	G	G	G		3	Co-dominance at 3m	Remove
586	White Birch	*Betula papyrifera*	16	G	G	G		2	Co-dominance at 2m	Remove
587	Austrian Pine	*Pinus nigra*	27.5	F	FG	G		3	Sweep (M), asymmetrical crown (L), pruning wounds (L)	Remove
588	Austrian Pine	*Pinus nigra*	32	F	FG	G		3	Pruning wounds (L), asymmetrical crown (L), sweep (L), lean (L)	Remove
589	Austrian Pine	*Pinus nigra*	29	F	FG	G		3	Crook (L), lean (L), asymmetrical crown (L)	Remove
590	Silver Maple	*Acer saccharinum*	13.5, 19, 9	F	F	F	15	4	Co-dominance at 1m (V-union, fused), deadwood (L), broken branches (L)	Remove
591	Silver Maple	*Acer saccharinum*	~22, ~17	F	F	F	15	3	Co-dominance at 0.5m with water collecting in union (V-union), inclusion of metal rod at base (L), deadwood (L)	Remove
592	Silver Maple	*Acer saccharinum*	32.5	PF	F	F		4	Co-dominance at 2.5m, cavity (M) from 0.5m to 2m, epicormic branching (M)	Remove
593	Silver Maple	*Acer saccharinum*	38.5	FG	FG	FG	10	4	Co-dominance at 1.5m (V-union), deadwood (L), epicormic branching (L)	Remove
594	Silver Maple	*Acer saccharinum*	29.5, 26	FG	F	F	10	5	Co-dominance at 1m with included bark (V-union), epicormic branching (H), deadwood (L)	Remove
595	Silver Maple	*Acer saccharinum*	40	F	F	F	15	5	Deadwood (L), epicormic branching (L), lean (M), asymmetrical crown (L)	Remove
596	Silver Maple	*Acer saccharinum*	13, 13.5	F	PF	FG		4	Co-dominance at 0.2m (V-union), epicormic branching (M), bow (M), crowded, poor form (L)	Remove
597	Silver Maple	*Acer saccharinum*	34, 30, 28.5	PF	F	F	10	6	Co-dominance at 0.5m (V-union), deadwood (L), canker (L), epicormic branching (M), broken branches (L)	Remove

598	Silver Maple	*Acer saccharinum*	20	F	PF	F		2	Narrow canopy, crowded, epicormic branching (M), lean (L), asymmetrical crown (L), poor form (L)	Remove
599	Silver Maple	*Acer saccharinum*	52	F	G	G		6	Co-dominance at 3m, seam (L) with wetwood from base too 1.5m	Remove
600	Silver Maple	*Acer saccharinum*	17	F	PF	F		2	Stem wounds (M), narrow canopy, crowded, poor form (L), epicormic branching (M)	Remove
601	Silver Maple	*Acer saccharinum*	29.5	FG	F	G		4	Co-dominance in canopy, stem wound (VL) with wetwood	Remove
602	Silver Maple	*Acer saccharinum*	33	F	FG	FG		4	Lean (L), bow (L), asymmetrical crown (L), epicormic branching (L), exposed roots (L) with wounds	Remove
603	Silver Maple	*Acer saccharinum*	33	FG	G	G		4	Exposed roots (L) with wounds, girdling roots (L)	Remove
604	Silver Maple	*Acer saccharinum*	37	FG	G	G		4	Exposed roots (L) with wounds	Remove
605	Silver Maple	*Acer saccharinum*	17	FG	F	F		4	Bow (L), asymmetrical crown (L), crowded, epicormic branching (L)	Remove
606	Silver Maple	*Acer saccharinum*	23	F	F	FG		4	Nails/screws driven into trunk, bow (M), epicormic branching (L)	Remove
607	Silver Maple	*Acer saccharinum*	37	F	FG	G		4	Co-dominance at 4m, nails/screws driven into trunk, epicormic branching (L), exposed roots (L), lean (L)	Remove
608	Silver Maple	*Acer saccharinum*	23.5	F	FG	G		4	Co-dominance at 3m, stem wounds (L), nails/screws driven into trunk	Remove
609	Silver Maple	*Acer saccharinum*	35	F	FG	FG		4	Co-dominance at 3m (V-union), epicormic branching (L)	Remove
610	Silver Maple	*Acer saccharinum*	20	F	PF	FG		4	Union at 3m, bow (M), crowded, epicormic branching (L), asymmetrical crown (L)	Remove
611	Silver Maple	*Acer saccharinum*	50	F	FG	G		4	Co-dominance at 2m (V-union), lean (M), exposed roots (L) with wounds	Remove
612	Silver Maple	*Acer saccharinum*	36.5	FG	G	G		4	Bow (L), exposed roots (L) with wounds	Remove
613	Silver Maple	*Acer saccharinum*	34	FG	G	G		4	Co-dominance in canopy, exposed roots (L) with wounds	Remove
614	Silver Maple	*Acer saccharinum*	19	F	F	G		3	Bow (M), asymmetrical crown (L), exposed roots (L) with wounds, crowded	Remove

615	Silver Maple	*Acer saccharinum*	27	P	PF	G		3	Bow (H), pruning wounds (L), asymmetrical crown (M), lean (L), crowded	Remove
616	Silver Maple	*Acer saccharinum*	34	FG	FG	FG	10	3	Bow (L), crowded, deadwood (L), epicormic branching (L), exposed roots (L) with wounds	Remove
617	Silver Maple	*Acer saccharinum*	71	F	FG	FG	10	8	Co-dominance at 2m (V-union), deadwood (L), bow (L) in all stems, exposed roots (L) with wounds	Remove
618	Silver Maple	*Acer saccharinum*	23.5	G	F	F		2	Narrow canopy, epicormic branching (M), crowded	Remove
619	Silver Maple	*Acer saccharinum*	53	FG	FG	G		8	Co-dominance at 2m (V-union), lean (L), asymmetrical crown (L)	Remove
620	Silver Maple	*Acer saccharinum*	25	F	PF	F	10	3	Lean (M), crowded, asymmetrical crown (M), deadwood (L)	Remove
621	Willow species	*Salix sp.*	72.5	F	G	FG		6	Co-dominance at 3m, broken branches (L), cavity (M), seam (L) from base to 1.5m, lean (M), epicormic branching (M)	Remove
622	Silver Maple	*Acer saccharinum*	46	FG	FG	G		5	Co-dominance at 2m (V-union), inclusion of shed roof in trunk (L)	Remove
623	Silver Maple	*Acer saccharinum*	38	G	FG	G		5	Asymmetrical crown (L)	Remove
624	Silver Maple	*Acer saccharinum*	17, 19	FG	G	G		3	Co-dominance at 1m with included bark (V-union), broken branches (VL), disturbance in root zone	Remove
625	Manitoba Maple	*Acer negundo*	14.5, 20	F	FG	G		3	Union at 1m, inclusion of chicken coop roof in one stem (L), exposed roots (L), lean (L)	Remove
626	Silver Maple	*Acer saccharinum*	38	FG	G	FG		4	Co-dominance at 1.8m (V-union), exposed roots (L), lean (L), epicormic branching (L), dead tree in root zone	Remove
627	Manitoba Maple	*Acer negundo*	27	FG	G	G		4	Co-dominance at 2m, stem wounds (L), dead tree in root zone	Remove
628	Manitoba Maple	*Acer negundo*	33, 31	FG	F	F	15	4	Co-dominance at 0.2m (V-union), epicormic branching (L), deadwood (L)	Remove
629	Silver Maple	*Acer saccharinum*	19, 13, 16	FG	FG	FG		3	Co-dominance at 0.2m (V-union, fused), disturbance in root zone, epicormic branching (L)	Remove
630	Silver Maple	*Acer saccharinum*	19.5, 14, 17	F	FG	FG		3	Co-dominance at 0.5m with included bark (V-union), epicormic branching (L), exposed roots (M) with wounds	Remove

631	Silver Maple	*Acer saccharinum*	18, 17, 22.5	FG	G	G		4	Co-dominance at 0.5m with included bark	Remove
632	Silver Maple	*Acer saccharinum*	18, 16	FG	G	FG	10	4	Co-dominance at 0.5m with included bark (V-union), epicormic branching (M), deadwood (L)	Remove
633	Silver Maple	*Acer saccharinum*	22, 28	FG	G	FG		4	Co-dominance at 1m, stem wounds (L) with wetwood, epicormic branching (M)	Remove
634	White Mulberry	*Morus alba*	29, 28	F	G	FG		4	Co-dominance at 1m (V-union), pruning wounds (L), epicormic branching (L), exposed roots (L), seam (L) with wetwood from base to 0.2m	Remove
635	Apple species	*Malus sp.*	25.5	G	G	FG		3	Pruning wounds (L), epicormic branching (L)	Remove
636	Norway Maple	*Acer platanoides*	31.5	G	G	G		4	Exposed roots (VL)	Remove
637	White Mulberry	*Morus alba*	~37, ~30	PF	G	FG		5	Union at 0.8m with wetwood, pruning wounds (L) with wetwood, epicormic branching (M), exposed roots (L), girdling roots (L)	Remove
638	Cherry species	*Prunus sp.*	15.5	G	G	G		2		Remove
639	Cherry species	*Prunus sp.*	41.5	G	G	G		4	Exposed roots (L)	Remove
640	Trembling Aspen	*Populus tremuloides*	27.5	G	G	G		4		Remove
641	Weeping Mulberry	*Morus alba 'Pendula'*	17	G	G	G		2		Remove
642	Blue Spruce	*Picea pungens*	~23	FG	G	G		2	Sweep (L)	Remove
643	Austrian Pine	*Pinus nigra*	~38	FG	FG	G		3	Sweep (L), inclusion of metal rod at base (VL), poor form (L), pruning wounds (L)	Remove
644	Poplar species	*Populus sp.*	37	G	G	FG		4	Epicormic branching (L)	Remove
645	Black Locust	*Robinia pseudoacacia*	37	G	G	G		4	Union at 2m	Retain
646	Honey Locust (shademaster)	*Gleditsia triacanthos inermis*	37	FG	F	PF	20	4	Sweep (L), sparse crown (L), epicormic branching (L), deadwood (L), disturbance in root zone	Retain
A	Eastern White Cedar	*Thuja occidentalis*	~20, ~10	G	G	G		3	Co-dominance at 1m	Retain
B	Poplar species	*Populus sp.*	~20, ~20, ~30	F	FG	FG	15	4	Co-dominance at 0.2m with included bark, deadwood (L)	Retain
C	Black Walnut	*Juglans nigra*	~23, ~18	FG	G	G		4	Co-dominance at base	Retain
D	Black Locust	*Robinia pseudoacacia*	~15	G	FG	G		1	Asymmetrical crown (L), co-dominance at 2m	Retain
E	Black Locust	*Robinia pseudoacacia*	~8	G	FG	G		1	Asymmetrical crown (L), co-dominance at 1.5m	Retain
F	Bur Oak	*Quercus macrocarpa*	~3	FG	P	F		1	Main stem removed at 0.5m, epicormic branching (H)	Retain

G	Pear species	*Pyrus sp.*	18, 18, 16, 12	PF	F	G		4	Inclusion in fence (H), union at 0.2m, stems fused, poor form (L), stem wounds (M)	Retain
H	Eastern White Cedar	*Thuja occidentalis*	~3, ~3, ~3	PF	PF	FG		1	Sweep (M), lean (L), crowded, poor form (M), union at 0.2m	Retain
I	Bur Oak	*Quercus macrocarpa*	~35	G	G	FG		6	Union at 3m, epicormic branching (M)	Retain
J	Siberian Elm	*Ulmus pumila*	33	G	G	FG		4	Co-dominance at 3m, epicormic branching (M)	Retain
K	Siberian Elm	*Ulmus pumila*	26, 26	FG	G	FG		4	Co-dominance at 0.5m (V-union), epicormic branching (M)	Retain
L	Willow species	*Salix sp.*	~55, ~10, ~10	PF	PF	F		3	Hollow main stem - decay (H), epicormic branching (H)	Retain
M	White Mulberry	*Morus alba*	7	G	G	G		1		Remove
N	White Mulberry	*Morus alba*	9	FG	G	G		1	Stem wounds (M), lean (L)	Retain
O	Butternut	*Juglans cinerea*	22.5, 26	F	G	G		5	Union at 0.5m with included bark, pruning wounds (L), canker (L), broken branched (L)	Retain
P	Silver Maple	*Acer saccharinum*	21, 21, 14	FG	G	FG	15	4	Co-dominance at 1m with included bark (V-union), epicormic branching (L), deadwood (L)	Remove
P1	Eastern White Cedar	*Thuja occidentalis*	~8 - ~18 (avg. ~14)	G	G	G		2	7 trees	Retain
Q	White Mulberry	*Morus alba*	12, 14	F	G	G		2	Co-dominance at 1m with wetwood, pruning wounds (L) with wetwood, disturbance in root zone	Remove
R	Silver Maple	*Acer saccharinum*	9.5, 12	G	G	FG		3	Co-dominance at 0.2m, epicormic branching (L)	Remove
S	Silver Maple	*Acer saccharinum*	14	FG	FG	FG	15	2	Crook (L), deadwood (L)	Remove
T	Silver Maple	*Acer saccharinum*	9	F	F	FG		2	Asymmetrical crown (M), lean (L), epicormic branching (L)	Remove
U	Silver Maple	*Acer saccharinum*	12	FG	G	FG	10	2	Lean (L), epicormic branching (L), deadwood (L)	Remove
V	Honey Locust (shademaster)	*Gleditsia triacanthos inermis*	11	FG	G	G		2	Bow (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)
CDB	Crown dieback	%
DL	Dripline, radius from edge of tree	(m)
P = poor, F = fair, G = good, ~ = estimate, (VL) = very light, (L) = light, (M) = moderate, (H) = heavy		

Appendix A. Valuation of City Trees

Location: 5034 – 5080 Ninth Line, Mississauga				*Appraised Trunk Area (cm^2)*	*Unit Tree Cost (RPAC)*	*Basic Tree Cost ($)*	Depreciation			*Appraised Tree Value*	*Adjusted Tree Value*
Tree #	**Common Name**	**DBH**	**OC**				*Condition Rating (%)*	*Functional Limitation Rating (%)*	*External Limitation Rating (%)*		
554	Honey Locust (shademaster)	28	FG	616	6.51	4008.56	0.725	0.5	0.7	$ 1,017.17	$ 1,015.00
555	Black Walnut	13	G	133	6.51	864.09	0.9	0.4	0.7	$ 217.75	$ 220.00
563	White Mulberry	22	F	380	6.51	2474.67	0.55	0.5	0.7	$ 476.37	$ 475.00
564	Silver Maple	72	F	4072	6.51	26505.55	0.55	0.7	0.7	$ 7,143.25	$ 7,100.00
577	Honey Locust (shademaster)	23	F	415	6.51	2704.75	0.55	0.6	0.7	$ 624.80	$ 625.00
578	Silver Maple	24.5	PF	471	6.51	3069.05	0.375	0.6	0.7	$ 483.38	$ 485.00
579	Austrian Pine	41	FG	1320	6.51	8594.88	0.725	0.75	0.7	$ 3,271.42	$ 3,300.00
580	Austrian Pine	35.5	FG	990	6.51	6443.60	0.725	0.75	0.7	$ 2,452.60	$ 2,500.00
581	Austrian Pine	41	G	1320	6.51	8594.88	0.9	0.7	0.7	$ 3,790.34	$ 3,800.00
582	Austrian Pine	33	G	855	6.51	5568.01	0.9	0.75	0.7	$ 2,630.88	$ 2,600.00
583	Norway Maple	18	G	254	6.51	1656.60	0.9	0.75	0.7	$ 782.74	$ 780.00
585	Norway Maple	24	G	452	6.51	2945.06	0.9	0.75	0.7	$ 1,391.54	$ 1,390.00
590	Silver Maple	13.5, 19, 9	F	491	6.51	3196.41	0.55	0.6	0.7	$ 738.37	$ 740.00
643	Austrian Pine	38	FG	1134	6.51	7383.11	0.725	0.7	0.7	$ 2,622.85	$ 2,600.00
P	Silver Maple	21, 21, 14	FG	855	6.51	5566.05	0.725	0.7	0.7	$ 1,977.34	$ 1,975.00
Q	White Mulberry	12, 14	F	269	6.51	1751.19	0.55	0.5	0.7	$ 337.10	$ 335.00
R	Silver Maple	9.5, 12	FG	189	6.51	1230.39	0.725	0.7	0.7	$ 437.10	$ 435.00
S	Silver Maple	14	FG	154	6.51	1002.14	0.725	0.7	0.7	$ 356.01	$ 355.00
T	Silver Maple	9	F	64	6.51	414.15	0.55	0.6	0.7	$ 95.67	$ 95.00
U	Silver Maple	12	FG	113	6.51	736.27	0.725	0.6	0.7	$ 224.19	$ 225.00

V	Honey Locust (shademaster)	11	FG	95	6.51	618.67	0.725	0.6	0.7	$ 188.38	$ 190.00
										Total	$ 31,240.00

Appendix B. Photographs of Trees

Image 1. Tree 501 (right), Tree 502 (centre), and Tree 503 (left)

Image 2. Tree 504 (right) and Tree 505 (left)

Image 3. Tree 506 (right), Tree 507 (centre), and P1 (left)

Image 4. Tree 508 (right) and Tree 509 (left)

Image 5. Tree A

Image 6. Tree 510

Image 7. Tree C

Image 8. Tree 511 (centre)

Image 9. Tree 512

Image 10. Tree 513

Image 11. Tree 514

Image 12. Tree 515

Image 13. Tree 516

Image 14. Tree 517

Image 15. Tree 518 (right) and Tree 519 (left)

Image 16. Tree 520

Image 17. Tree 521 (right) and Tree 522 (left)

Image 18. Tree 523

Image 19. Tree 524

Image 20. Tree 525 (far left), Tree 526 (second from left), and Tree 527 (far right)

Image 21. Tree 528 (far right), Tree D (second from right), and Tree E (third from right)

Image 22. Tree 529

Image 23. Tree 530

Image 24. Tree F

Image 25. Tree G

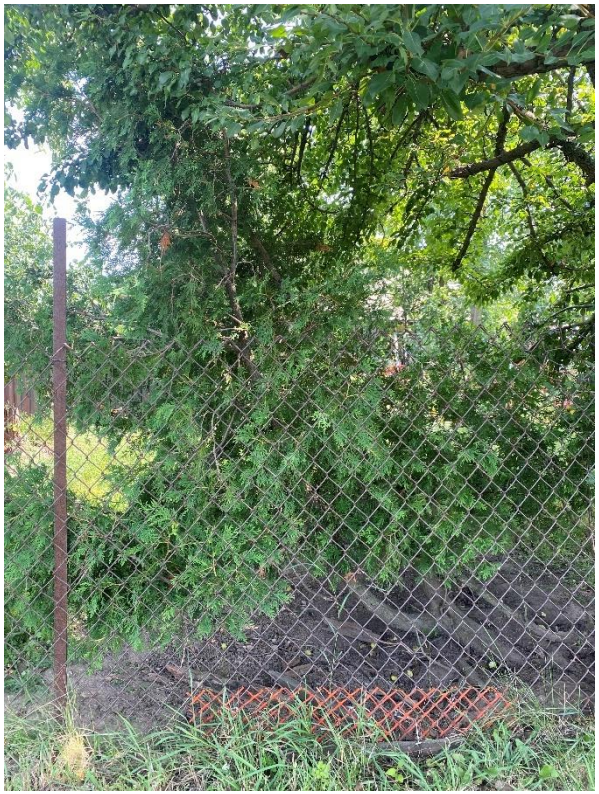


Image 26. Tree H

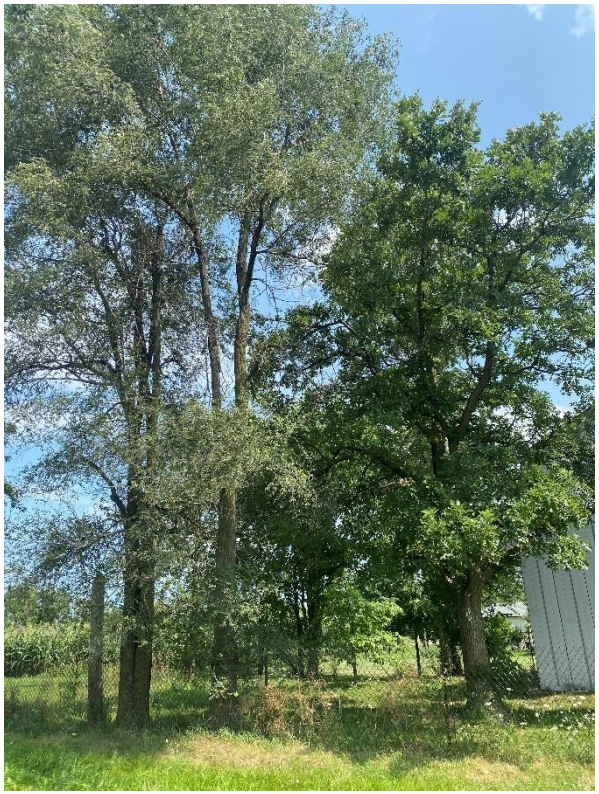


Image 27. Tree I (far right), Tree J (second to left), and Tree K (far left)

Image 28. Tree 531 (right) and Tree 532 (left)

Image 29. Tree 533 (far right), Tree 534 (second to right), Tree 535 (centre), Tree 536 (second to left), and Tree 537 (far left)

Image 30. Tree 538 (far right), Tree 539 (second to right), Tree 540 (centre), Tree 541 (second to left), and Tree 542 (far left)

Image 31. Tree 543 (right), Tree 544 (centre), and Tree 545 (left)

Image 32. Tree 546 (front, left) and Tree L (back, right)

Image 33. Tree 547

Image 34. Tree 548 (right), Tree 549 (centre), and Tree 550 (left)

Image 35. Tree 551

Image 36. Tree M (right) and Tree N (left)

Image 37. Tree 552

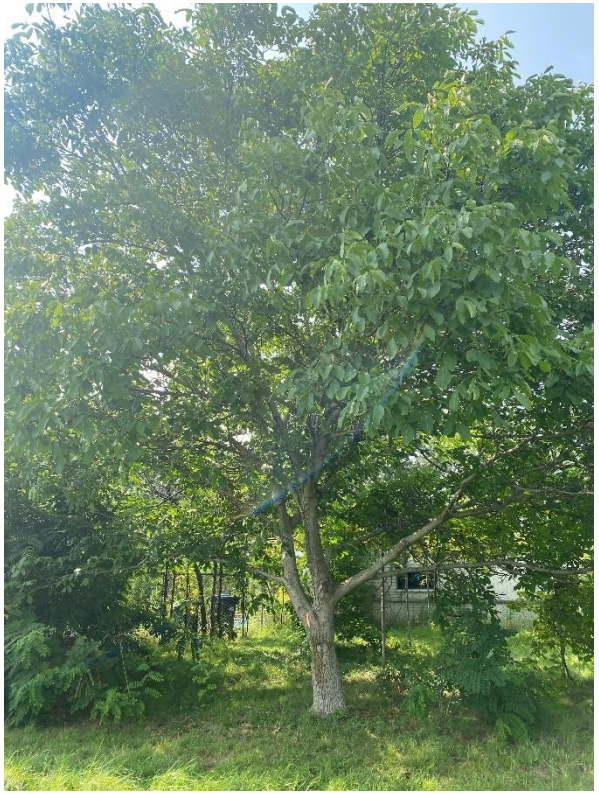


Image 38. Tree O

Image 39. Tree 553

Image 40. Tree 554 (right, front) and Tree 555 (left, back)

Image 41. Tree 556

Image 42. Tree P

Image 43. Tree Q (right) and Tree R (left)

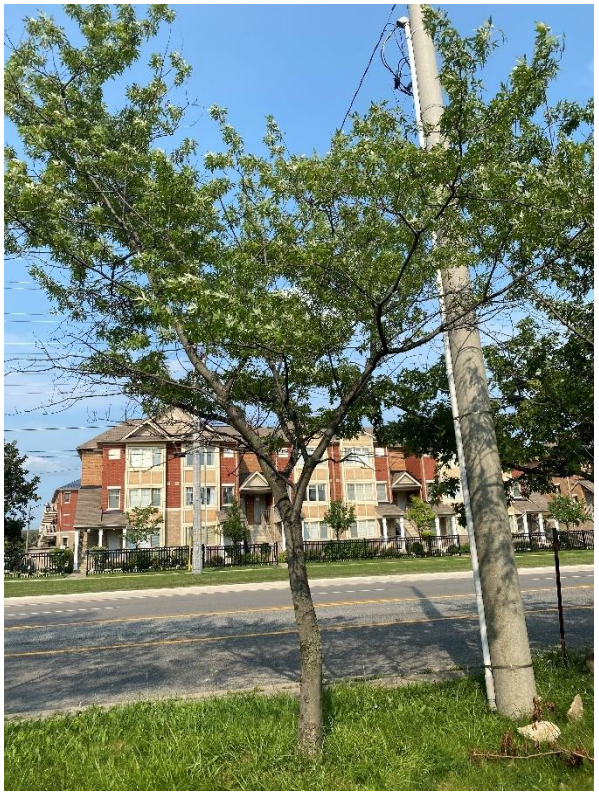


Image 44. Tree S

Image 45. Tree T (right) and Tree U (left)

Image 46. Tree 557

Image 47. Tree 558 (left), Tree 559 (centre), and Tree 560 (right)

Image 48. Tree 561 (right) and Tree 562 (left)

Image 49. Tree 563 (left) and Tree 564 (right)

Image 50. Tree 565

Image 51. Tree 566

Image 52. Tree 567

Image 53. Tree 568 (right), Tree 569 (centre) and Tree 570 (front, left)

Image 54. Tree 571 (far left), Tree 572 (second from left), Tree 573 (second to right), and Tree 574 (far right)

Image 55. Tree 575

Image 56. Tree 576

Image 57. Tree V

Image 58. Tree 577 (right) and Tree 578 (left)

Image 59. Tree 579 (right) and Tree 580 (left)

Image 60. Tree 581 (left) and Tree 582 (right)

Image 61. Tree 583 (right) and Tree 584 (left)

Image 62. Tree 585 (right) and Tree 586 (left)

Image 63. Tree 587 (front, left), Tree 588 (front, centre), and Tree 589 (front, right)

Image 64. Tree 590 (front, right) Tree 591 (front, centre), and Tree 592 (front, left)

Image 65. Tree 593 (right), Tree 594 (centre), and Tree 595 (left)

Image 66. Tree 596 (right), Tree 597 (centre), and Tree 598 (left)

Image 67. Tree 599 (left), Tree 600 (centre), and Tree 601 (right)

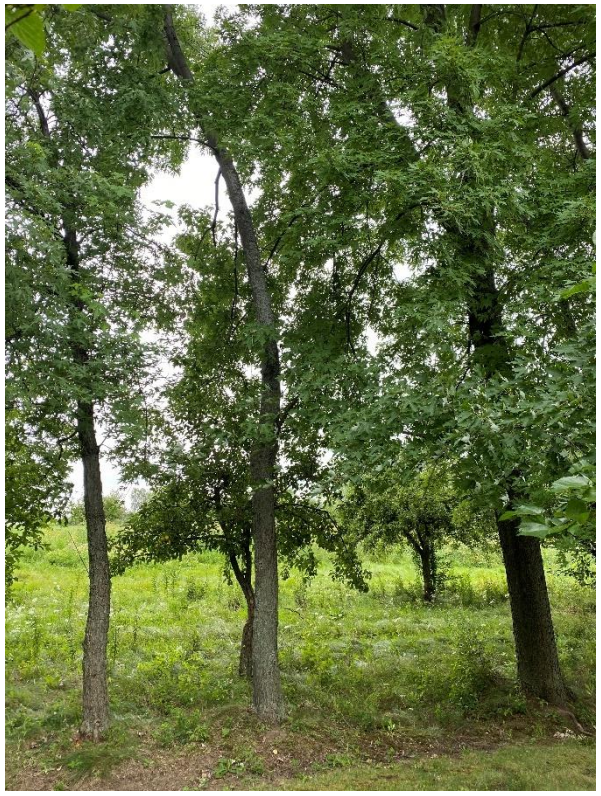


Image 68. Tree 602 (left), Tree 603 (centre), and Tree 604 (right)

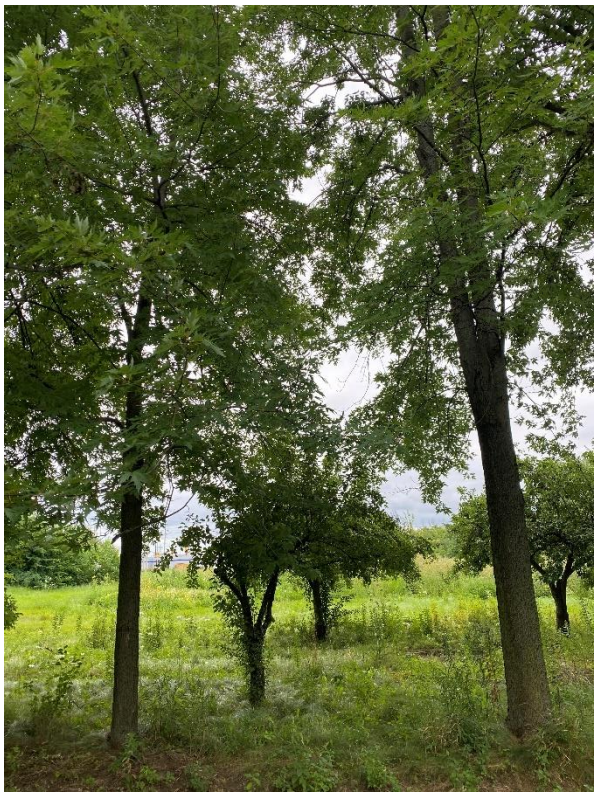


Image 69. Tree 608 (left) and Tree 609 (right)

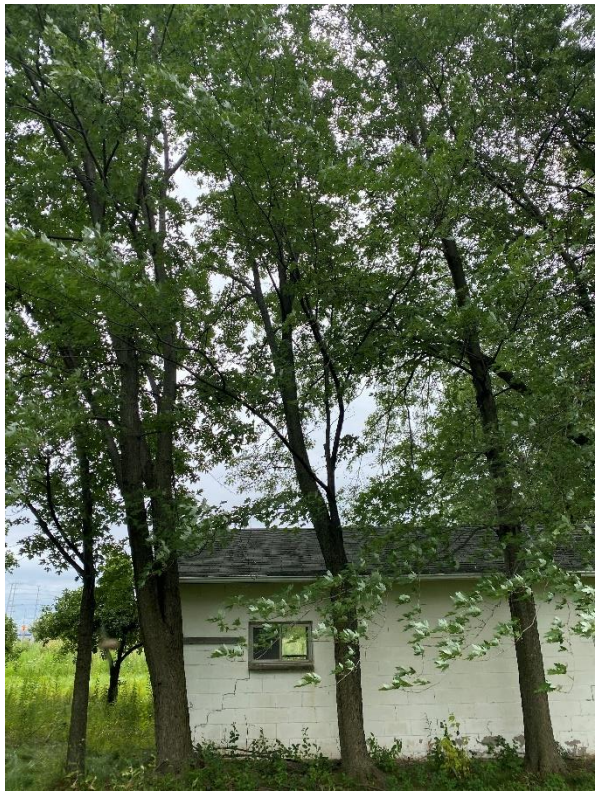


Image 70. Tree 610 (far left), Tree 611 (second from left), Tree 512 (second from right), and Tree 613 (far right)

Image 71. Tree 614 (left) and Tree 615 (right)

Image 72. Tree 616 (left) and Tree 617 (right)

Image 73. Tree 618 (far left), Tree 619 (second from left), Tree 620 (far right), and Tree 621 (second from right)

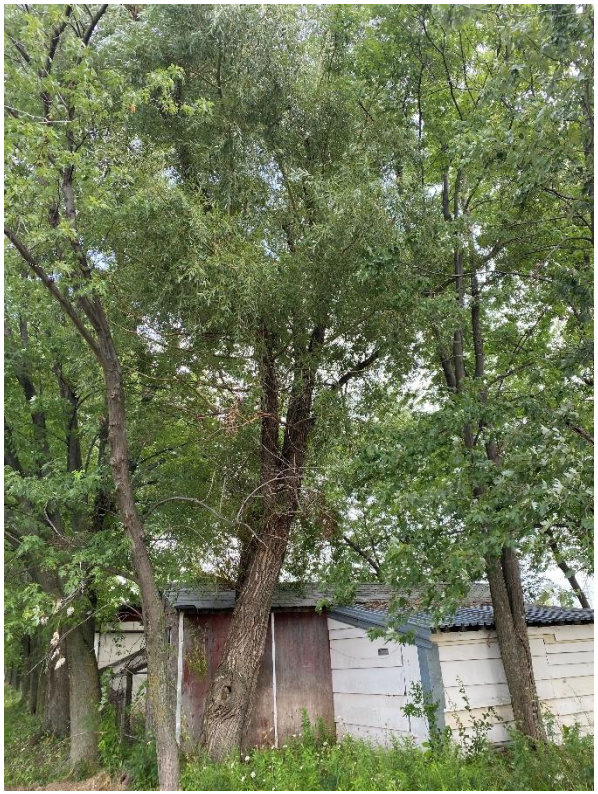


Image 74. Tree 620 (front, left), Tree 621 (centre), and Tree 622 (right)

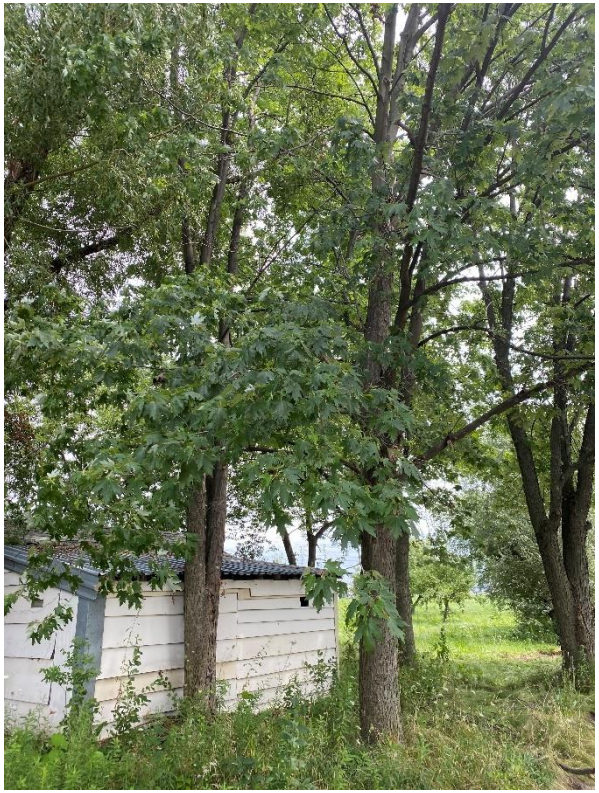


Image 75. Tree 622 (left), Tree 623 (front, right)

Image 76. Tree 624

Image 77. Tree 625 (right) and Tree 626 (left)

Image 78. Tree 627

Image 79. Tree 628

Image 80. Tree 629

Image 81. Tree 630

Image 82. Tree 631 (right), Tree 632 (centre), and Tree 633 (left)

Image 83. Tree 634

Image 84. Tree 635

Image 85. Tree 636

Image 86. Tree 637

Image 87. Tree 638 (left) and Tree 639 (right)

Image 88. Tree 640

Image 89. Tree 641 (right) and Tree 642 (left)

Image 90. Tree 643

Image 91. Tree 644

Image 92. Tree B

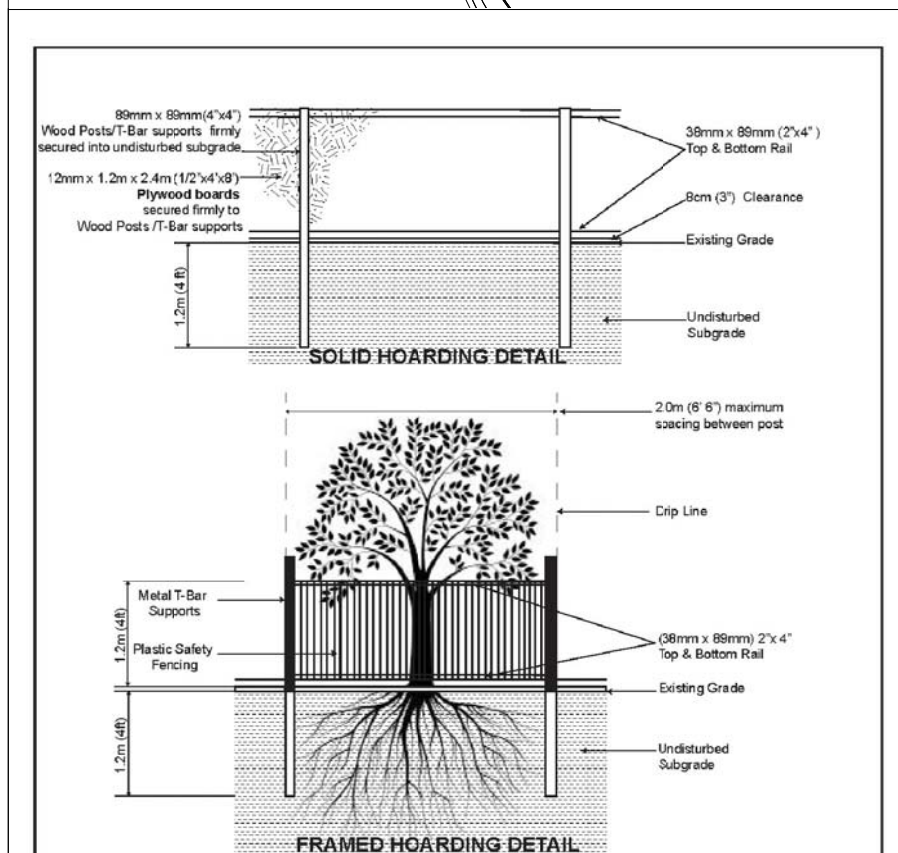
Image 93. Tree 646

Tree O

Tree O is a Butternut (*Juglans cinerea*) tree, which is an endangered species as per the COSEWIC list. Although this tree can be retained in the context of the proposed site plan, a formal assessment of this tree must be conducted and reported to the Ontario Ministry of the Environment, Conservation and Parks. The retention suitability of this tree will ultimately be determined by a Butternut Health Assessor and the Ontario Ministry of the Environment, Conservation and Parks.

Trees 502, 530, 532 – 540, 553, G, I – K, and O

Encroachment into the dripline of Tree 502 is required due to the future road widening of Ninth Line. Encroachment into the driplines of Trees 530, 532 – 540, 553, G, I – K, and O is required due to a proposed walkway. Trees 532 – 540, and 553 are being granted at least 1.8m of protection from their base. Trees G, I – K, and O are being granted at least 2.4m of protection from their base. Tree 530 is being granted at least 3m of protection and tree 502 is being granted at least 3.6m of protection. Although the driplines of these trees are being encroached, they are being granted at least the minimum protection consistent with protection standards utilized by surrounding municipalities. This level of protection is expected to be sufficient to protect these trees during construction.



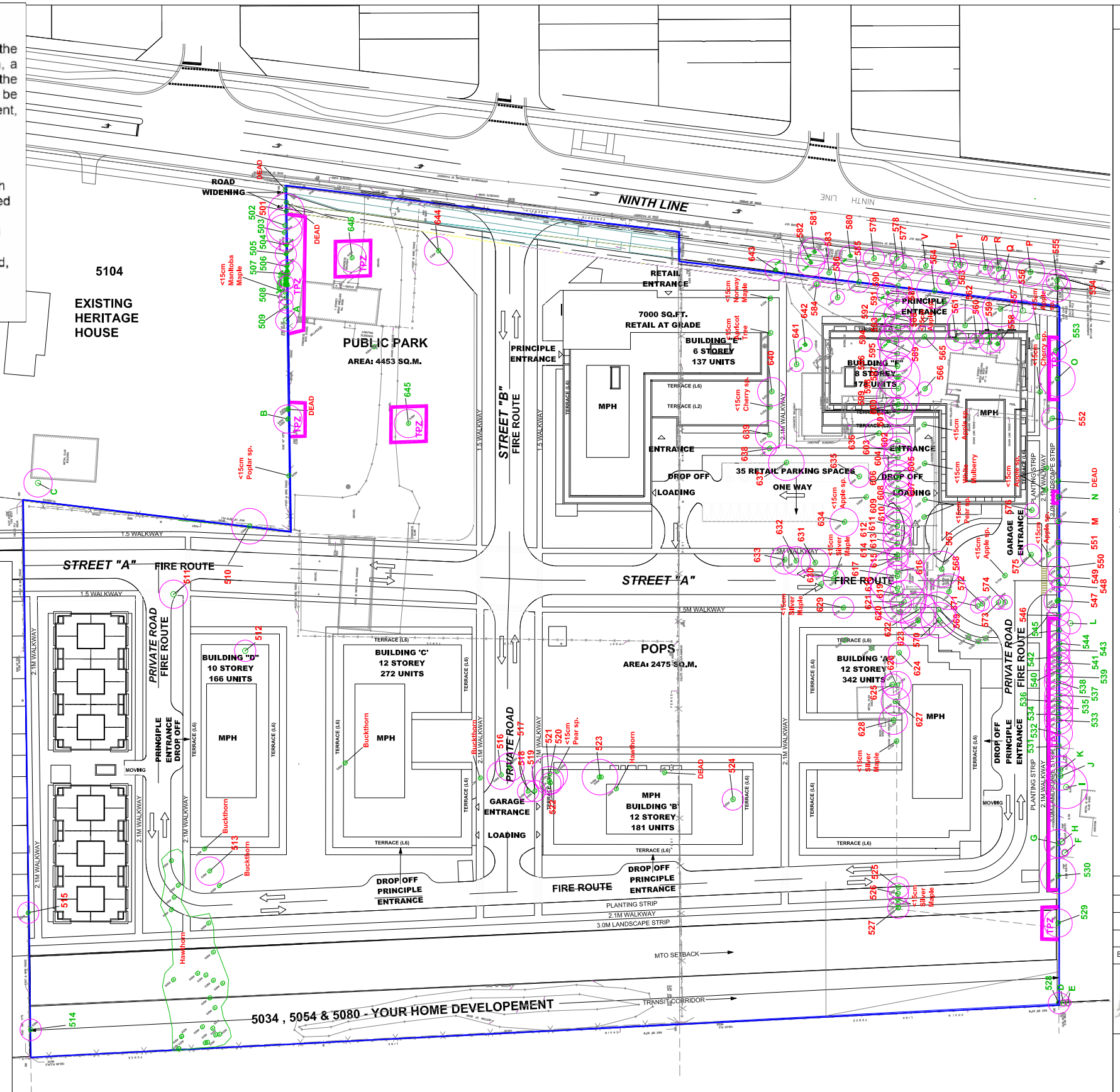
NOTES:

1. Hoarding details to be determined following initial site inspection.
2. Private tree hoarding to be approved by Development & Design ; City tree hoarding to be approved by Community Services Dept.
3. Hoarding must be supplied, installed and maintained by the applicant throughout all phases of construction. **Inspection must be conducted by the Development and Design Division prior to removing any/all private hoarding.**
4. Do not allow water to collect and pond behind or within hoarding.
5. **T-bar supports are acceptable alternative to 4x4 posts. U-shaped metal supports will not be accepted.**
6. **Plywood** must be utilized for 'solid' hoarding. OSB/Chipboard will not be accepted for solid hoarding. Plywood sheets must be installed on "construction" side of frame.
7. Applicant is responsible to ensure utility locates are completed within city boulevard prior to installing framed hoarding.

TREE PRESERVATION HOARDING

SCALE : N.T.S DATE : June 2017

MISSISSAUGA



Tree Protection Note:

The applicant is responsible for ensuring that tree protection hoarding is maintained throughout all phases of demolition and construction in the location and condition as approved by the Planning and Building Department. No materials (building materials, soil, etc.) may be stockpiled within the area of hoarding. Failure to maintain the hoarding as originally approved or the storage of materials within the hoarding will be cause for the Letter of Credit to be held for two years following completion of all site works. Hoarding must be inspected prior to the removal of any tree hoarding from the site.

Owner's Signature: _____

Date: _____

LEGEND

Tree Inventory

Refer to Table 1 of report dated 24 August 2021 for tree inventory information. Trees greater than 15cm DBH on and within six metres of the subject property were included in the inventory.

Tree Removals

The removal of 124 trees will be required to accommodate the proposed development as indicated with RED labels.

Tree Preservation

Preservation of the remaining 44 trees and one tree polygon, will be possible with appropriate tree protection measures. Trees identified for preservation are indicated with GREEN labels. Tree protection measures will have to be implemented prior to construction. Required tree preservation fencing is indicated in MAGENTA. Refer to Tree Protection Plan Notes for preservation details and tree preservation fence detail.

Tree Label (GREEN), preservation recommended	X
Tree Label (RED), removal required due to development	X
Dripline (MAGENTA circle)	
Surveyed Conifer Tree	
Surveyed Deciduous Tree	
Estimated Tree Location by KFCI	
Required Tree Protection Fencing (thick MAGENTA)	

Specifications for the Protection and Preservation of Existing Vegetation

The following notes are to be included on all tree preservation plans:

1. All existing trees, which are to remain, shall be fully protected with hoarding to City standards, erected beyond their "drip line" prior to the issuance of the Erosion and Sediment Control Permit, to the satisfaction of the Community Services Department. Groups of trees and other existing plantings to be protected, shall be treated in a like manner with hoarding around the entire clump(s). Areas within the protective fencing shall remain undisturbed and shall not be used for the storage of building materials or equipment.
2. No rigging cables shall be wrapped around or installed in trees. Surplus soil, equipment, debris or materials shall not be placed over root systems of the trees within the protective fencing. No contaminants will be dumped or flushed where feeder roots of trees exist.
3. The developer or his/her agents shall take every precaution necessary to prevent damage to trees or shrubs to be retained.
4. Where limbs or portions of trees are removed to accommodate construction work, they will be removed carefully in accordance with accepted arboricultural practices.
5. Where root systems of trees are exposed directly adjacent to or damaged by construction work, they shall be trimmed neatly and the area backfilled with appropriate material to prevent desiccation.
6. Where necessary, the trees will be given an overall pruning to restore the balance between roots and top growth or to restore the appearance of the trees.
7. Trees that have died or have been damaged beyond repair, shall be removed and replaced by the owner at the developer's own expense with trees of a size and species as approved by the Community Services Department.
8. If grades around trees to be protected are likely to change, the owner shall be required to take such precautions as dry welling, retaining walls and root feeding, to the satisfaction of the Community Services Department.

No.	Issue/Revisions	Date	By
1	Report Submission	24 Aug. 2021	KNH

Base Data: Altimap Land Surveyors Inc. (topo); 6IX Design (site plan)

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Tree Inventory and Preservation Plan

Project	P2885	Figure	1
Date	24 August 2021		
Scale	1:1500		