904 Mississauga Heights Drive, Mississauga

Arborist Report and Tree Preservation Plan

June 2021

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1. INTRODUCTION

1.1. BACKGROUND & SCOPE

Dougan & Associates (D&A) was retained by Sajecki Planning to prepare an Arborist Report and Tree Preservation Plan (TPP) in support of a proposed plan of subdivision at 904 Mississauga Height Drive.

The subject property is located on the south side of The Queensway, west of Mavis Road in Mississauga. approximately 1.25 ha in size with one existing dwelling. The proposal involves severance of the existing parcel of land into five (5) lots with the existing dwelling to remain (see Appendix A). An ISA Certified Arborist carried out field surveys on April 3rd and June 11th, 2019 to inventory and assess all trees greater than 15cm diameter at breast height (DBH) located within the study area, per the Corporation of the City of Mississauga Private Tree Protection By-law 254-12. An additional survey was carried out on April 9th 2021 to tag and assess remaining trees 10 cm DBH and greater within the subject lands and within 6 m of the property boundaries, in accordance with the City of Mississauga's Terms of Reference for Arborist Reports, Tree Inventory/Survey & Tree Preservation Plans dated April 2019 (made available online in July 2020). In accordance with this document, the DBH for multi-stemmed trees was calculated by taking the sum of the square value of each stem, and then taking the square root.

Survey parameters included tree size (DBH, height, crown reserve), structural condition, and biological health. Each tree was uniquely identified using tree tags and geo-positioned using a Trimble R1 GPS unit. Trees under 10 cm DBH were not assessed, in accordance with the City's Tree By-law, nor were non-tree woody vegetation (such as large shrubs and vines). All observations were made from the ground, i.e. no tree climbing or aerial lift inspection methods were used.

Map 1, Tree Preservation Plan, shows the location of trees, their canopy sizes and proposed action (preserve, remove, injure) and recommended Tree Protection Fencing based on the most current site plan provided by Sajecki Planning in March 2021.

Results of the tree inventory and assessment were overlaid with the draft site plan to assess potential grading and/or construction impacts to inventoried trees, as follows:

- Trees with disturbance greater than 30% within their driplines are considered too heavily impacted to be retained and were therefore designated as "**remove**".
- Trees with disturbance for part of the dripline, but less than 30% are considered partly impacted and designated as "**injure**".
- Those trees that are clearly not affected by development are designated "**preserve**".

2. FINDINGS

2.1. TREE INVENTORY AND ASSESSMENT

A total of 290 trees were tagged within the study area +6m surroundings during the tree inventory and assessment. A total of 27 species were tagged and evaluated, plus an additional five (5) that were only identified to genus due to lack of identifiable features at the time of survey. Map 2 shows the locations

of the trees surveyed, their respective crown reserve (diameter of the canopy), and preservation priority. Appendix A contains a summary of all tagged tree data including definitions of the parameters used in the arborist assessment.

Of the 27 species identified, 19 are native to Ontario and 8 are non-native. The most abundant species was Norway Maple (*Acer platanoides)*, a non-native tree, with a total of 98 trees tagged, followed by White Pine (*Pinus strobus)*, a native tree, and Norway Spruce (*Picea abies*), a non-native tree, with 33 and 31 individuals identified, respectively. Figure 1, Overall Tree Tally by Species illustrates the overall count of trees tagged during the survey.

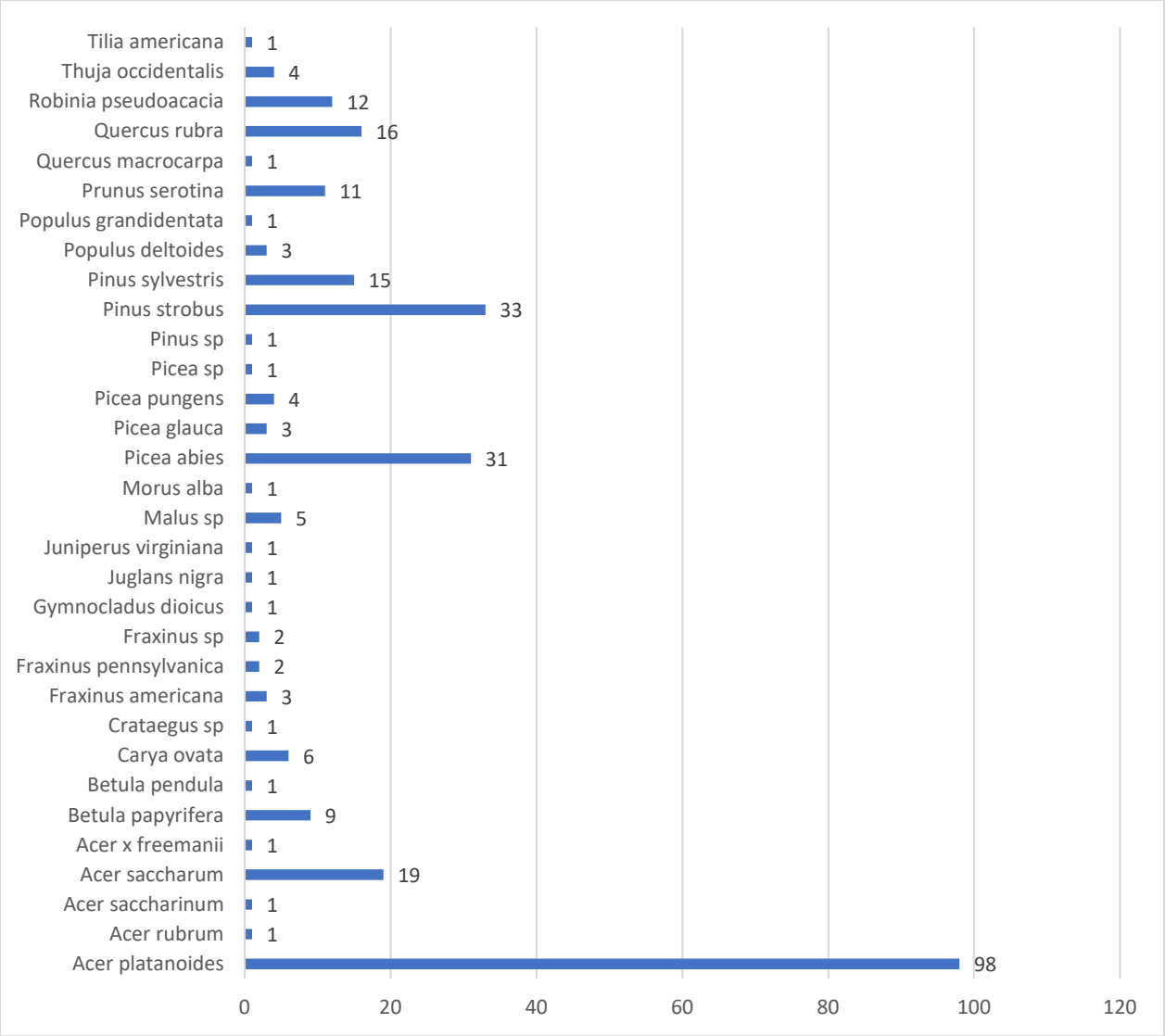


Figure 1: Overall Tree Tally by Species

Trees were tagged within all three (3) ELC communities - Anthropogenic, Mixed Forest, and Deciduous Forest. Overall, distribution of native and non-native species was fairly even throughout the site, with 163 non-native trees and 117 native trees present. The high amount of non-native species and human

disturbance on the site is reflective of the presence of a single-family home on the property, as well as surrounding residential land use.

Table 1: Comparison of Native vs. Non-Native Trees for the Study Area

Native Status	Tree Count
Native	117
Introduced	163
Genus	10
Total	**290**

Table 2 provides a breakdown of the number of specimens that ranked High, Medium, or Low for Structural Condition, Biological Health, and Preservation Priority parameters. Data were collected on the Structural Condition, Biological Health, and Preservation Priority for each tree tagged.

Structural Condition - refers to the physical structure of the tree. Trees with poor condition may be leaning or have cracks, multiple stems, or broken branches.

Biological Health - assessed by observing signs of tree health such as rot, cavities, epicormic shoots, crown dieback, bulges, fissures, and insect holes.

Preservation Priority -a function of size, desirable species, condition ranking, and/or health ranking.

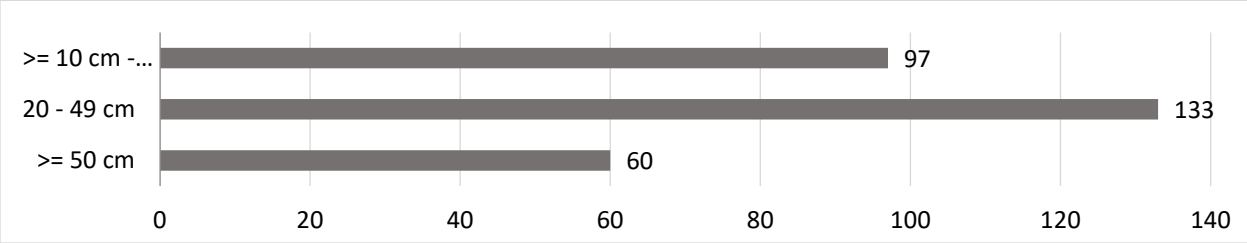
The large majority of trees were assessed as having good to fair structural condition, biological health and preservation priority.

Table 2: Summary of Structural Condition, Biological Health, and Preservation Priority rankings

Ranking	Number of Trees		
	Structural Condition	Biological Health	Preservation Priority
Good	113	157	148
Fair	142	104	102
Poor	23	17	28
Dead	12	12	12
Total	290	290	290

Generally, the trees on site exhibited young to mid-age characteristics, with the majority of trees falling within the 20-49 cm DBH size range, and 60 trees (20%) over 50 cm DBH. Generally the larger, mature trees were concentrated along the edges of the property (i.e. along the existing laneway, western property boundary and frontage onto Mississauga Heights Drive) with younger growth occurring in the central lands. The largest tree surveyed was tree #520, a Silver Maple (*Acer saccharinum)* located in the north-west corner of the property, with a single DBH of 127 cm. Table 3 provides a breakdown of the size distribution of the trees surveyed.

Table 3: Size Distribution of Trees by DBH



Of the 192 trees surveyed, 12 were identified as dead; these were a mix of Ash, Pine, Black Locust, Paper Birch and Norway Maple, and although dead, were assessed for potential Endangered bat habitat suitability based on the presence of features such as cavities, knot holes, loose or peeling bark, or cracks (see the accompanying *Environmental Impact Study: 904 Mississauga Heights Drive, D&A 2021* for details on the bat habitat assessment).

Appendix A contains the detailed data on each tree inventoried and assessed.

3. IMPACT ASSESSMENT

3.1. IMPACTS TO TREES

In accordance with the City's Private Tree Protection Bylaw (2012), all privately-owned trees that are greater than 15 cm DBH (i.e. *regulated trees*) required a permit if three (3) or more individual trees are proposed for *injury or destruction*. This includes dead, dying or hazardous trees.

Of the 290 trees 10cm DBH and greater that were inventoried, 48 are proposed to remain, while 242 will be impacted. This includes 223 proposed for removal, and 19 that may be injured due to grading within the root zone as summarized in Table 4.

Table 4 Summary of proposed tree action based on current site and grading plans

Tree Action	Tree Count
Preserve	48
Injure	19
Remove	223
Total	**290**

In total, 218 ***regulated trees*** were inventoried and assessed. This includes 160 proposed for removal and 16 that may be injured based on the current site plan. All **160 regulated trees proposed for removal** are subject to permitting and compensation under the City's Private Tree Bylaw (Appendix C).

3.2. TREE PRESERVATION PLAN

The Tree Preservation Plan is provided as Map 1 and displays the locations of all trees assessed including their respective crown reserve (diameter of the canopy), and proposed action (preserve, injure or

remove) based on the draft site plan. This map also illustrates where tree protection fencing should be installed. Appendix B contains a standard tree protection fencing detail and signage concept.

4. TREE PROTECTION AND MITIGATION MEASURES

4.1. GENERAL PROTECTION AND MITIGATION

The following key recommendations are intended to mitigate the injuries anticipated to trees proposed as "injure" or "preserve" based on the current site plan:

- Prior to construction activities, Tree Preservation Hoarding (TPH) should be established to protect trees identified as "injure" or "preserve" (Map 1). For full details refer to Appendix B: Tree Preservation Hoarding Detail. The tree protection fencing should be affixed with a waterproof sign every 10 – 15m stating "Tree Protection Zone. No Access Permitted."

- Trees proposed as "preserve" or "injure" must be surrounded by a continuous barrier (TPF), which shall be installed prior to site clearing, grading and demolition, and maintained through construction and landscaping.

The following tree mitigation actions are recommended pre-, during and post-construction (Matheny & Clark, 1998 and ANSI 300):

Pre-Construction

1. Preserved and injured trees must be surrounded by a continuous barrier (TPH), which shall be installed prior to site clearing, grading and demolition, and maintained through construction and landscaping. Location of the TPH should be determined or verified prior to installation by a certified arborist.
2. Install mulch to a depth of 4 inches within the Tree Protection Zone, ensuring mulch does not touch the trunk.
3. Where excavation is proposed within the dripline and/or tree protection zones, root pruning may be required. If significant roots must be cut, the following is to be adhered to:
    a. Provide deep watering (to a depth of 30 inches) prior to excavation.
    b. Stake the edge of excavation.
    c. Cut with sterilized root pruning equipment 15-30 cm outside the staked line towards the tree.
    d. If root pruning equipment cannot be used, dig a trench along the staked line. Equipment such as a backhoe can be used until roots larger than 1 inch in diameter are encountered. Then, complete excavation with a shovel.
    e. When a root is encountered, expose it by removing soil **by hand**, and cut root cleanly with a sterilized saw at the outside edge of the trench (towards the tree). Cut to a lateral root when possible. Do not paint the cut root end. If excavation is for installation of underground utilities, leave the root intact and thread the lines underneath if possible.

f. Replace soil in the trench.

g. Place tree protection fencing at the edge of excavation.

h. All grading equipment to operate **outside** the protection fence area.

4. Every effort shall be made to protect exposed roots from desiccation by covering said roots with moisture retaining material such as wet burlap, or moist topsoil, and a covering such as a tarpaulin. The covered area should be monitored and kept moist to avoid root desiccation.

5. All pruning should be performed by qualified arborists and in accordance with the International Society of Arboriculture's Pruning Best Management Practices (2019)

6. Should any overhead branches obstruct construction activity, they shall be tied back to provide clearance. If this is not possible, branches shall be pruned by a certified arborist following ISA best management practices and ANSI 300 Pruning Standard – Part 1.

7. Ensure they are cut at a forty-five-degree angle just above the node and/or branch collar with a sharp sterile saw.

Corrective

1. If injury should occur to any tree during construction, it should be evaluated **as soon as possible** (no more than 6 hours) by a certified arborist so that appropriate treatments can be applied.

2. Any grading, construction, demolition, or other work that is expected to encounter tree roots **must** be monitored by the consulting arborist.

3. Any roots damaged during grading or construction shall be exposed to sound tissue and cut cleanly with a saw.

Post-Construction

1. A post-construction evaluation is to be performed by a certified arborist to determine health and vigour of preserved and injured trees. If health and vigour have declined since pre-construction assessment, remedial treatments such as pruning, root zone aeration and irrigation may be required.
2. A post- construction inspection for structural stability is to be performed by a certified arborist to evaluate defects in structure (dieback of twigs and branches, branch attachments, weight distribution), live crown ratio, soil stability, and trunk taper that may be indicative of potential for failure.

Transplanting

1. Methods for transplanting should be in accordance with *ANSI A300 Transplanting Standard – Part 6* including but not limited to the following:
    a. Digging and root pruning tools shall be sharp to cut without breaking, crushing, or tearing roots.
    b. Season and phenology of the tree or shrub shall be taken into consideration.
    c. Transplanting should occur during the optimum time of year for the species.
    d. Trees over 20 cm DBH should have 30 cm or more of root ball diameter for every 2.5 cm of trunk diameter.
    e. Trunk should be centered in the root ball.
    f. Prior to lifting root balls, roots should be separated from the surrounding soil.
    g. The system used for transporting shall minimize desiccation and other damage to crown, trunk, and root ball.
    h. The health and vigour of the trees or shrubs shall be maintained during storage.
    i. The depth of the root ball shall be measured from the bottom of the trunk flare to the bottom of the ball.
    j. The soil directly beneath the root ball should be undisturbed or prepared to prevent settling.
    k. The planting hole width should be a minimum of 1.5 times the diameter of the root ball.
    l. Trees or shrubs should be marked and placed in the same compass orientation from which they originated.
    m. Water should be added to the root ball and backfill to bring the root ball to field capacity.
    n. Mulch should be applied near, but not touching, the trunk out to the perimeter of the planting, initial depth of organic mulch should be between 5-10 cm.

Trees identified as "injure" will likely experience substantial disturbance within the critical root zone (CRZ- area within the dripline of the tree). To mitigate construction related impacts, the following measures shall be adhered to pre-, during, and post-construction:

ROOTS

1. Any activity within the CRZ shall be performed in a manner whereby roots are protected from compaction and unnecessary removal.
2. Prior to excavation within the CRZ, it is recommended that roots are located using ArborRadix (https://rinntech.info/products/arboradix/). If this is not feasible, the recommendation is to have excavation performed or overseen by a qualified arborist using airspade or hydrovac services.
3. Where possible, tunnel below root system for utilities installation. This shall be overseen by a qualified arborist.

Fig 1. Utility installation below root system.

4. When root removal is unavoidable, selective pruning shall be the preferred method and shall be performed or overseen by a qualified arborist.
5. Root pruning and cutting tools should be sharp.
6. **Selective root pruning**
    a. The size and/or location of roots to be pruned shall be specified.
    b. Roots should be exposed using the least injurious excavation method prior to pruning.
    c. A pruning cut that removes a root at its point of origin should not cut into the trunk or parent root.
    d. Smaller pruning cuts shall be preferred.
    e. The final cut should result in a flat surface with adjacent bark firmly attached.
    f. Root pruning tools shall include, but are not limited to: handsaws; lopping shears; chisels; hand shears; chain saws; reciprocating saws; and, circular saws
7. **Non-selective root cutting**
    a. When non-selective root cutting is necessary, roots shall be cut as far from the trunk as practical.
    b. The location and depth of excavation for root cutting shall be specified.
    c. Minimum distance from the trunk for root cutting should be adjusted according to trunk diameter, species tolerance to root loss, tree age, health, and site condition.
    d. Root cutting distances from the trunk shall be adjusted for disease management, root location, tree species and condition, and site and soil conditions.
    e. When roots are damaged within six times the trunk diameter (DBH), mitigation shall be recommended.
    f. Roots should be cut with equipment that minimizes cracking the wood and tearing the bark.
    g. Heavy equipment should be located outside the root cut line or remain on existing pavement or on a soil-protecting surface.
    h. Temporary staging areas for excavated soil should be located at a safe distance on the side of the trench furthest from the trunk.

i. Upon completion of non-selective root cutting, selective root pruning of damaged roots shall be considered.

NOTE: Roots that are more than two inches wide or close to the trunk should not be severed because they help anchor the tree.

CANOPY

8. Any activity within the CRZ shall be performed in a manner whereby branches and trunk are protected from injury (this includes scuffing, tearing, cutting, etc.). If branches must be removed, pruning cuts shall be performed by a qualified arborist following arboricultural best practices (Tree Care Industry Association ANSIs). Prior to removal, branches that impede access shall be considered for tie back (tying them out of the path) over removal.
9. All pruning shall be overseen or performed by a qualified arborist following arboricultural best practices.

POST CARE

1. **Prune the crown to compensate for stress.** A tree with a damaged root system is not able to sustain all its branches and leaves. Reducing the number of leaves and branches will counterbalance the changes imposed on the root environment. All trees should be pruned by a qualified arborist who can remove the dead wood and selectively thin the live branches without disfiguring the tree.
2. **Mulch** with organic material, such as woodchips or shredded bark, to encourage fine roots, which absorb nutrients, water, and oxygen. Ideally, extend a three-to-four-inch layer of mulch as far out from the tree as practical, keeping mulch away from the base of the tree.

4.2. TIMING OF CLEARING & SPECIES AT RISK

This Arborist Report has been prepared based on the site plan information that is available to date with respect to proposed features. The following recommendations apply to tree removal as it relates to compliance with the Migratory Birds Convention Act (1994) and with regard to the Endangered Species Act (2007) regarding Species at Risk (SAR) bat habitat:

- Clearing of trees and vegetation should be conducted in the late fall or winter months (**October 1 – March 31**) so as not to coincide with the breeding bird season or bat roosting season.
- If construction occurs in the spring or summer (April 15 – August 15), nest sweeps of the site should be conducted by a qualified biologist. These surveys should occur prior to construction to ensure that unusually early or late bird nesting is not taking place, or that dependent young, even though fully fledged, are not in the area and unable to disperse. If breeding birds are found, construction must be delayed until all young have fledged.
- If tree removals do not take place outside of the bat roosting window (April 1 – September 30), further consultation with MECP is required to confirm additional study requirements.

4.3. TREE REPLACEMENT & COMPENSATION FEES

According to the City's website, **compensation fees and/or tree replacement** are required for all healthy, live trees that are over 15 cm DBH proposed for removal. Tree replacement and fees are **not required for dead, dying or hazardous trees**.

As part of the tree removal permitting process, a tree replacement security deposit is required to make sure that replacement trees are planted on private property. The amount will be determined by the City. If there is no space for replacement trees on private property, a payment must be made to the City to plant replacement trees elsewhere on City property. A summary of the required compensation fees based on the City's 2021 rates available on their website are as follows:

Table 5 Summary of tree compensation fee requirements

NUMBER OF HEALTHY, LIVE TREES >15 CM DBH PROPOSED FOR REMOVAL	**152**
FEE PER TREE REMOVED*	$ 98.09
SUB-TOTAL FEES (152 X $98.09)	$ 14,909.68
CITY'S PERMIT FEE*	$ 434.40
TOTAL FEE PAYABLE TO CITY	**$ 15,344.08**

**City of Mississauga, 2021*

If tree replacements can be accommodated on private property, these plantings may serve to reduce the fees. The City's requirements for replacement tree planting are:

- *At least 1.8 m tall if it's a coniferous (evergreen) tree or at least 6 cm in diameter if it's a deciduous (leaves) tree*
- *One replacement tree is required if a healthy tree was removed that was 0 to 49 cm.*
- *Two replacement trees are required if a healthy tree removed is 50 cm or greater.*
- ***If the replacement tree is healthy one year after being planted, the security deposit will be refunded.***

Table 6 summarizes the number of replacement trees required based on the City's current replacement ratios listed above.

Table 6. Summary of replacement tree requirements (ref. Map 1)

Tree Size Category	Number of healthy trees proposed for removal	Compensation Tree Ratio*	Number of Replacement Trees Required
16-49 cm DBH	111	1:1	111
50 cm DBH+	41	2:1	82
Total	**152**		**193**

* City of Mississauga, 2021

In summary:

- Fees payable to the City of Mississauga *if no replacement trees are planted* total **$15,344.08** based on 2021 rates provided on the City's website;
- The number of replacement trees required to compensate for all the tree removals is **193** based on the City's current compensation ratio.

Further, it is recommended that any tree replacement plantings should be selected based on **CVC's Native Plant List for Breeding Birds**.

The City of Mississauga will confirm the final compensation fees and/or tree plantings required through the tree removal permitting process.

5. CONCLUSION

The purpose of this Arborist Report is to respond to requirements set out in the City of Mississauga Private Tree Protection By-law 254-12 and Terms of Reference in support of a Zoning By-law Amendment application at 904 Mississauga Heights Drive. Field work to inventory and assess trees was conducted in spring 2019 and 2021, resulting in mapping which indicates trees to be removed, preserved, or injured based on the proposed site plan.

The Arborist Report and TPP (Map 1) address the following objectives:

a) Identify trees to be preserved, injured and removed, and appropriate protection/mitigation measures;

b) Provide detailed characterization of trees to allow for comparison of pre-post construction conditions;

c) Provide recommendations on mitigating impacts to trees, and compensation requirements in accordance with the City of Mississauga's Tree Removal Application Form.

Key recommendations of this report include:

1. Clearing of any vegetation which may be required should be conducted in the fall or winter months (October 1 – March 31) so as not to coincide with the breeding bird seasons or SAR bat roosting season.
2. If construction occurs during the nesting bird season (April 15 – August 15), nest sweeps of the site should be conducted prior to construction to ensure that unusually early or late nesting is not taking place, or that dependent young, even though fully fledged, are not in the area and unable to disperse. If breeding birds are found, construction must be delayed until all young have fledged.
3. If tree removal cannot take place outside of the bat roosting season (April 1 – September 30), further consultation with MECP is required to confirm additional study requirements under the Endangered Species Act (2007).

4. Before beginning construction, Tree Protection Hoarding (TPH) should be established to protect trees that are not proposed for removal as displayed on Map 1. The City's recommended Tree Hoarding Detail is provided in Appendix B. Tree Protection Hoarding should be inspected by a Certified Arborist before construction activity begins. All other mitigation measures discussed in section 4.1 should be followed where appropriate.
5. Tree removal fees and replacement plantings were calculated based on current direction available on the City's website. Fees payable to the City total **$ 15,344.08**, and/or the number of replacement trees total **193**. Replacement trees that are planted and maintained in good health for one (1) year will reduce the total fee. **Fees and replacement tree plantings are to be confirmed in consultation with the City through the tree permit application process**.

6. ASSUMPTIONS AND LIMITATIONS

This assessment and evaluation are limited to the assignment and purpose as stated within Section 1.2. The assessment has been conducted using visual examination of only the above ground parts of trees. Unless specifically noted, trees were not cored, probed, sounded, or climbed. Parts of the trees below ground, unless specifically noted, were not inspected nor exposed by excavation for assessment.

Trees are living organisms that respond individually to static and variable influences such as climate, gravity, wind, and biotic factors. Therefore, this assessment is limited to the observations made at the time of inspection.

Every reasonable effort has been made to ensure the accuracy of the assessment, within Arboriculture Industry accepted practices; however, no guarantees are offered or implied that the trees and their parts will remain standing or alive.

We trust that the enclosed meets the requirements set out by the City of Mississauga with respect to documenting existing trees and providing recommendations on protection, mitigation, and compensation. The approval of this Arborist Report and Tree Removal Permit Application are required from the City prior to pre-grading.

Sincerely,

Christina Myrdal, BSc, Eco. Mgmt. Tech.
Ecologist, ISA Arborist #ON-2586A

Todd Fell, BLA, OALA, CSLA
Landscape Architect, Director

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Map 1: Tree Inventory (Map 4 from 904 Mississauga Heights EIS, D&A 2021)

PROJECT: DA19-002-01

CLIENT: Investex Holdings Limited

DATE: 14, June 2021

DRAWN BY: N. White

Map 4
Tree Inventory
Overview
Mississauga Heights EIS

Study Area

Tree Inventory

Preservation Priority

- High
- Medium
- Low
- To be Determined
- Suitable Bat Maternity Roost

Mississauga Heights Drive

Map 4.1

Map 4.2

Map 4.3

Map 4.4

Key Map Data Map data © OpenStreetMap contributors, Map layer by Esri

Orthoimagery Source: Credit Valley Conservation Authority

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Metres

SCALE: 1:300

NAD 1983 UTM Zone 17N

Disclaimer:
The information displayed on this map has been compiled from various sources. While every effort has been made to accurately depict the information, this map should not be relied on as being a precise indicator of locations, features, or roads, nor as a guide to navigation.
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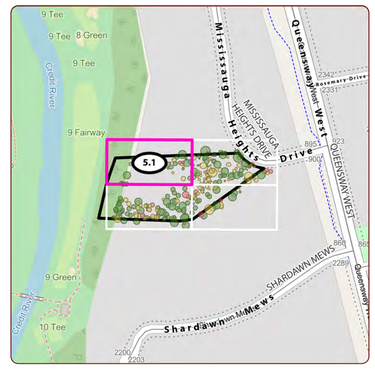
Map 4.1
Tree Inventory
Mississauga Heights EIS

Study Area

Tree Inventory
Preservation Priority

- High
- Medium
- Low
- To be Determined
- Suitable Bat Maternity Roost



Key Map Data Map data © OpenStreetMap contributors, Map layer by Esri

Orthoimagery Source: Credit Valley Conservation Authority

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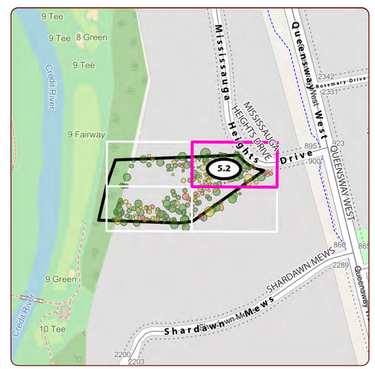
PROJECT: DA19-002-01
CLIENT: Investex Holdings Limited
DATE: 14, June 2021
DRAWN BY: N. White

Map 4.2
Tree Inventory
Mississauga Heights EIS

Study Area

Tree Inventory
Preservation Priority

- High
- Medium
- Low
- To be Determined
- Suitable Bat Maternity Roost



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Orthoimagery Source: Credit Valley Conservation Authority

0 2.25 4.5 9
Metres

SCALE: 1:150

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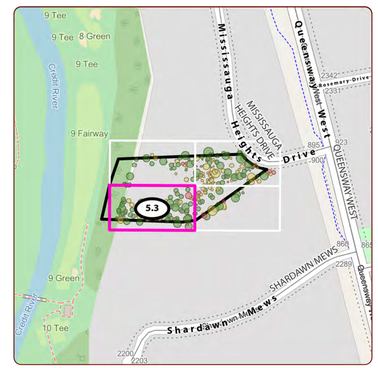
Map 4.3
Tree Inventory
Mississauga Heights EIS

Study Area

Tree Inventory
Preservation Priority

- High
- Medium
- Low
- To be Determined
- Suitable Bat Maternity Roost



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SCALE 1:150

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Metres

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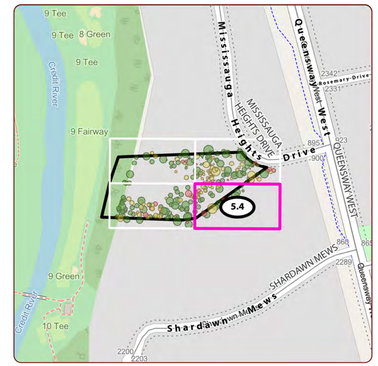
Map 4.4
Tree Inventory
Mississauga Heights EIS

Study Area

Tree Inventory
Preservation Priority

- High
- Medium
- Low
- To be Determined
- Suitable Bat Maternity Roost



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0 2.25 4.5 9
Metres

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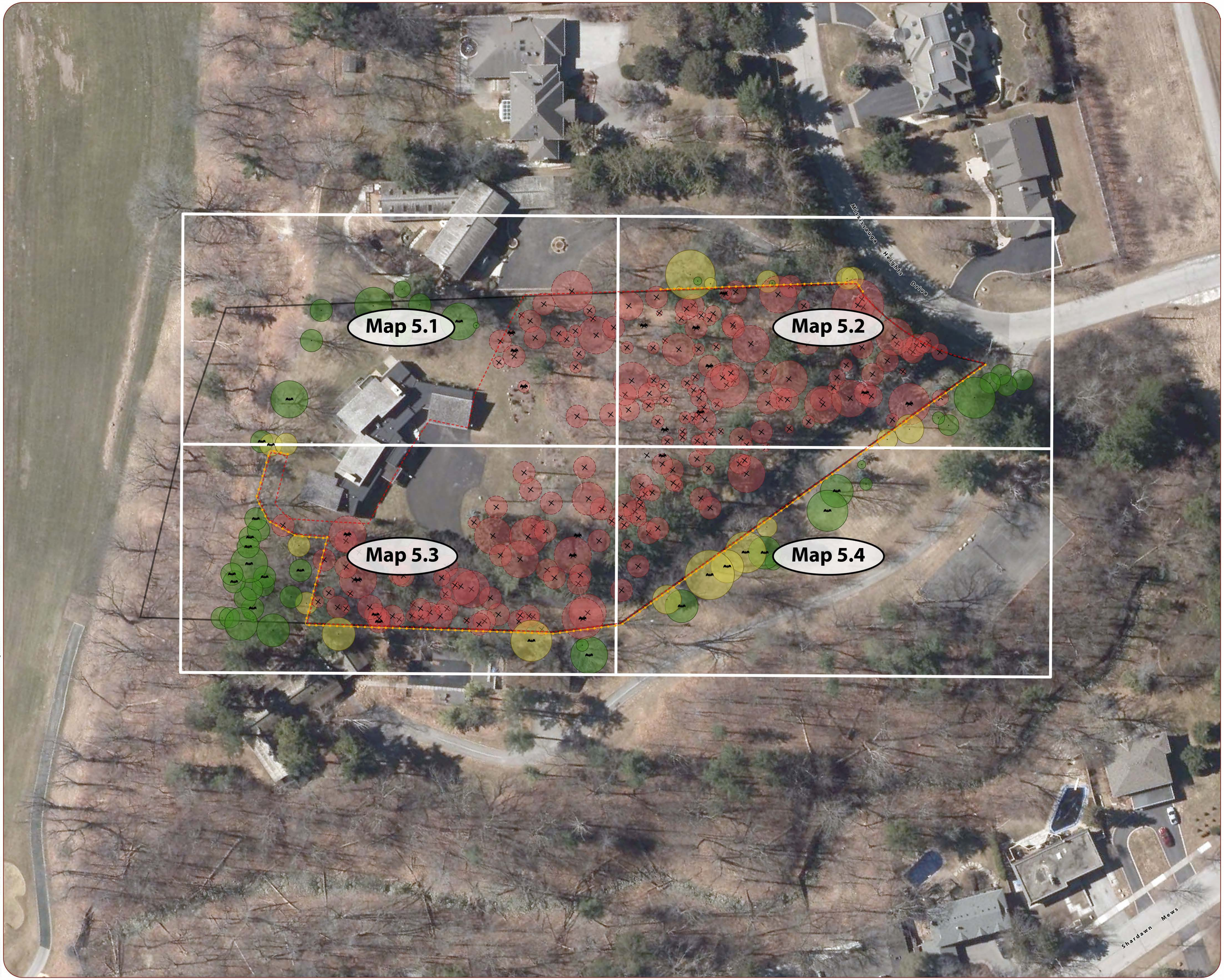
SCALE: 1:150

Map 2: Tree Preservation Plan (Map 5 from 904 Mississauga Heights EIS, D&A 2021)

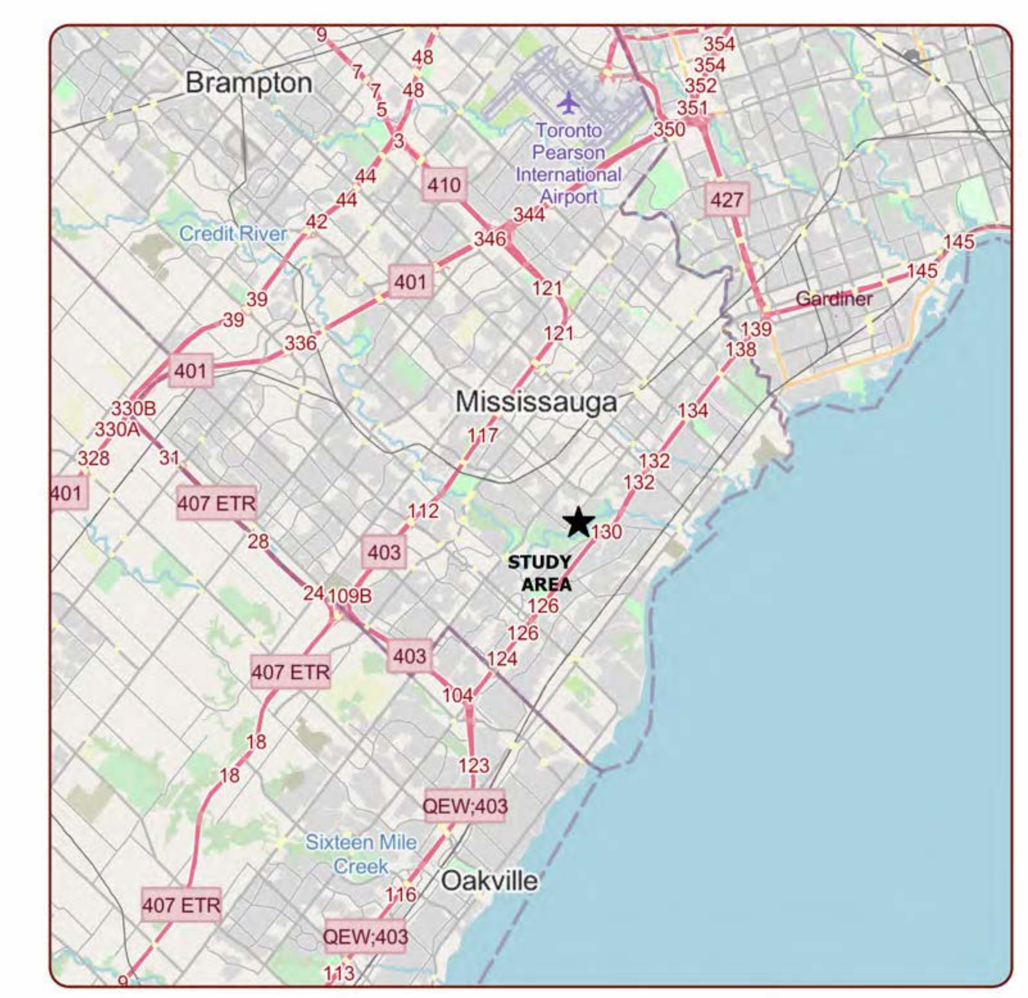


Map 2
Tree Protection Plan Overview
Mississauga Heights EIS

Study Area
Limit of Disturbance
Tree Protection Hoarding *

Tree Inventory
Action
Preserve
Injure
Remove
Suitable Bat Maternity Roost

* Tree Preservation Hoarding should be installed per the City of Mississauga's standard details.



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Orthoimagery Source: Credit Valley Conservation Authority

0 2.5 5 10 15
Metres
SCALE: 1:400

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Map 5.1
Tree Preservation Plan
Mississauga Heights EIS

Study Area

Limit of Disturbance

Tree Protection Hoarding*

Tree Inventory

Action

Preserve

Injure

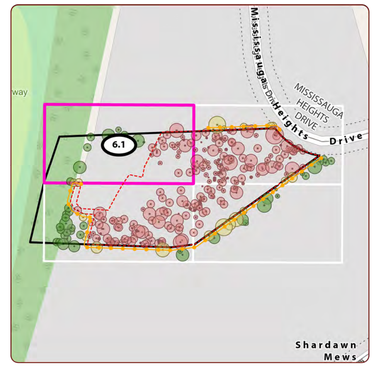
Remove

Suitable Bat Maternity Roost

Site Plan (Sajecki Planning, 2021)

Proposed and Existing Features

* Tree Preservation Hoarding should be installed per the City of Mississauga's standard details.



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0 0.75 1.5 3 4.5
Metres
SCALE: 1:150

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DATE: 09, June 2021
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Map 5.2
Tree Preservation Plan
Mississauga Heights EIS

Study Area

Limit of Disturbance

Tree Protection Hoarding*

Tree Inventory

Action

Preserve

Injure

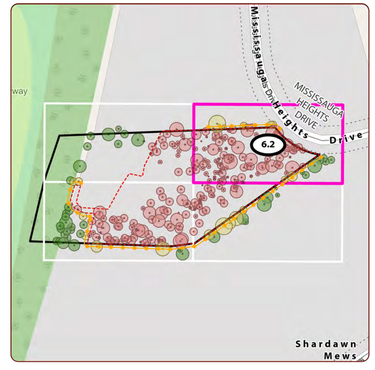
Remove

Suitable Bat Maternity Roost

Site Plan (Sajecki Planning, 2021)

Proposed and Existing Features

* Tree Preservation Hoarding should be installed per the City of Mississauga's standard details.



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0 0.75 1.5 3 4.5
Metres
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Map 5.3
Tree Preservation Plan
Mississauga Heights EIS

Study Area

Limit of Disturbance

Tree Protection Hoarding*

Tree Inventory

Action

Preserve

Injure

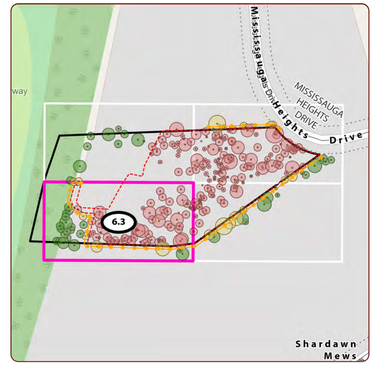
Remove

Suitable Bat Maternity Roost

Site Plan (Sajecki Planning, 2021)

Proposed and Existing Features

* Tree Preservation Hoarding should be installed per the City of Mississauga's standard details.



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0 0.75 1.5 3 4.5
Metres
SCALE: 1:150

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Map 5.4
Tree Preservation Plan
Mississauga Heights EIS

Study Area

Limit of Disturbance

Tree Protection Hoarding*

Tree Inventory

Action

Preserve

Injure

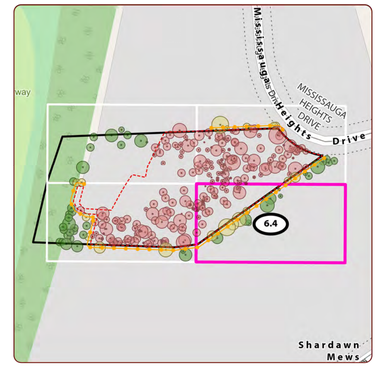
Remove

Suitable Bat Maternity Roost

Site Plan (Sajecki Planning, 2021)

Proposed and Existing Features

* Tree Preservation Hoarding should be installed per the City of Mississauga's standard details.



0 0.75 1.5 3 4.5
Metres
SCALE: 1:150

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APPENDIX A – Tree Data Table

Tree Data Table, Mississauga Heights EIS

Tree Tag #	Scientific Name	Common Name	Tree Status	Total DBH[1]	Crown Reserve [2] (m)	Height [3] (m)	Structural Condition [4]	Biological Health [5]	Preservation Priority [6]	Native Status [7]	Regulated Tree Subject to Permitting	Suitable Bat Maternity Roost Tree	Tree Action [8]	Compensation [9]	Coordinate Source [10]
1	*Pinus sylvestris*	Scots Pine	Alive	29	3	10-15	L	L	L	I	x	No	Remove	1:1	Trimble R1
2	*Pinus sylvestris*	Scots Pine	Alive	33	4	15-20	L	L	L	I	x	No	Remove	1:1	Trimble R1
3	*Fraxinus americana*	White Ash	Dead	22	1	10-15	L	L	L	N	x	No	Remove	n/a	Trimble R1
4	*Pinus sylvestris*	Scots Pine	Alive	36	5	10-15	M	L	L	I	x	No	Remove	1:1	Trimble R1
5	*Picea abies*	Norway Spruce	Alive	69	8	15-20	M	M	L	I	x	No	Remove	2:1	Trimble R1
6	*Carya ovata*	Shagbark Hickory	Alive	22	5	10-15	H	H	H	N	x	No	Remove	1:1	Trimble R1
7	*Acer saccharum*	Sugar Maple	Alive	16	6	15-20	H	H	H	N	x	No	Remove	1:1	Trimble R1
8	*Pinus sylvestris*	Scots Pine	Alive	57	8	10-15	M	M	L	I	x	No	Remove	2:1	Trimble R1
9	*Acer platanoides*	Norway Maple	Alive	19	6	10-15	H	H	M	I	x	No	Remove	1:1	Trimble R1
10	*Pinus sylvestris*	Scots Pine	Alive	50	8	15-20	M	M	M	I	x	No	Remove	2:1	Trimble R1
10.1	*Acer platanoides*	Norway Maple	Alive	10	2	5-10	M	M	M	I		No	Remove	n/a	Trimble R1
11	*Quercus rubra*	Northern Red Oak	Alive	57.31	8	15-20	M	H	H	N	x	Yes	Remove	1:1	Trimble R1
12	*Quercus rubra*	Northern Red Oak	Alive	65.12	12	10-15	M	H	H	N	x	Yes	Remove	1:1	Trimble R1
13	*Acer saccharum*	Sugar Maple	Alive	15	6	10-15	M	H	H	N		No	Remove	n/a	Trimble R1
14	*Picea abies*	Norway Spruce	Alive	53	8	15-20	H	M	M	I	x	No	Remove	2:1	Trimble R1
15	*Picea abies*	Norway Spruce	Alive	44	8	15-20	M	M	M	I	x	No	Remove	1:1	Trimble R1
16	*Picea abies*	Norway Spruce	Alive	15	1	03-05	L	L	L	I		No	Remove	n/a	Trimble R1
17	*Picea abies*	Norway Spruce	Alive	16	2	05-10	L	L	L	I	x	No	Remove	1:1	Trimble R1
18	*Acer platanoides*	Norway Maple	Alive	25	10	10-15	H	H	M	I	x	Yes	Remove	1:1	Trimble R1
19	*Pinus sylvestris*	Scots Pine	Alive	75	10	15-20	H	H	M	I	x	No	Remove	2:1	Trimble R1
20	*Acer platanoides*	Norway Maple	Alive	20	8	10-15	M	H	M	I	x	No	Remove	1:1	Trimble R1
21	*Acer platanoides*	Norway Maple	Alive	17	5	10-15	H	H	M	I	x	No	Remove	1:1	Trimble R1
22	*Carya ovata*	Shagbark Hickory	Alive	22	7	10-15	H	H	H	N	x	No	Injure	n/a	Trimble R1
23	*Picea abies*	Norway Spruce	Alive	24	5	10-15	H	M	M	I	x	No	Remove	1:1	Trimble R1
24	*Carya ovata*	Shagbark Hickory	Alive	31	10	15-20	H	H	H	N	x	No	Remove	1:1	Trimble R1
25	*Acer saccharum*	Sugar Maple	Alive	75	12	15-20	H	H	H	N	x	Yes	Remove	2:1	Trimble R1
26	*Picea abies*	Norway Spruce	Alive	48	10	15-20	M	M	M	I	x	No	Remove	1:1	Trimble R1
27	*Picea abies*	Norway Spruce	Alive	56	10	15-20	H	M	M	I	x	No	Injure	n/a	Trimble R1
28	*Quercus rubra*	Northern Red Oak	Alive	42	8	15-20	M	M	H	N	x	Yes	Preserve	n/a	Trimble R1
29	*Pinus strobus*	Eastern White Pine	Alive	55	10	15-20	M	H	H	N	x	No	Preserve	n/a	Trimble R1
30	*Betula papyrifera*	Paper Birch	Alive	19	2	10-15	M	H	H	N	x	No	Preserve	n/a	Trimble R1
31	*Betula papyrifera*	Paper Birch	Alive	23	3	10-15	H	H	H	N	x	No	Preserve	n/a	Trimble R1
32	*Quercus rubra*	Northern Red Oak	Alive	71	10	15-20	M	H	H	N	x	Yes	Preserve	n/a	Trimble R1
33	*Quercus rubra*	Northern Red Oak	Alive	35	8	15-20	M	M	H	N	x	Yes	Preserve	n/a	Trimble R1
35	*Acer platanoides*	Norway Maple	Alive	17	5	10-15	M	M	M	I	x	No	Preserve	n/a	Trimble R1
36	*Acer saccharum*	Sugar Maple	Alive	16	7	10-15	M	H	H	N	x	No	Preserve	n/a	Trimble R1
37	*Acer platanoides*	Norway Maple	Alive	20	8	10-15	H	H	H	I	x	No	Preserve	n/a	Trimble R1
38	*Acer platanoides*	Norway Maple	Alive	21	8	10-15	H	H	H	I	x	No	Preserve	n/a	Trimble R1
39	*Quercus macrocarpa*	Bur Oak	Alive	32	8	15-20	H	H	H	N	x	Yes	Preserve	n/a	Trimble R1
40	*Acer platanoides*	Norway Maple	Alive	27	12	15-20	H	H	H	I	x	Yes	Preserve	n/a	Trimble R1
41	*Acer platanoides*	Norway Maple	Alive	28	6	10-15	H	H	H	I	x	Yes	Preserve	n/a	Trimble R1
42	*Acer platanoides*	Norway Maple	Alive	32	10	10-15	H	H	H	I	x	Yes	Preserve	n/a	Trimble R1
43	*Acer platanoides*	Norway Maple	Alive	24	8	15-20	H	H	H	I	x	Yes	Preserve	n/a	Trimble R1
44	*Acer platanoides*	Norway Maple	Alive	23	6	10-15	H	H	H	I	x	No	Preserve	n/a	Trimble R1
45	*Picea abies*	Norway Spruce	Alive	60	8	10-15	H	H	H	I	x	No	Preserve	n/a	Trimble R1
46	*Acer platanoides*	Norway Maple	Alive	37	10	10-15	H	H	H	I	x	Yes	Preserve	n/a	Trimble R1
48	*Acer platanoides*	Norway Maple	Alive	31	7	15-20	H	H	H	I	x	Yes	Injure	n/a	Trimble R1
49	*Acer platanoides*	Norway Maple	Alive	25	6	15-20	H	H	H	I	x	Yes	Preserve	n/a	Trimble R1
50	*Betula papyrifera*	Paper Birch	Alive	30	8	10-15	H	H	H	N	x	No	Injure	n/a	Trimble R1
51	*Acer platanoides*	Norway Maple	Alive	45	13	10-15	H	H	H	I	x	Yes	Preserve	n/a	Trimble R1
52	*Pinus sylvestris*	Scots Pine	Alive	31	7	15-20	M	M	M	I	x	No	Remove	1:1	Trimble R1
53	*Pinus strobus*	Eastern White Pine	Alive	59	8	15-20	H	H	H	N	x	No	Remove	2:1	Trimble R1
54	*Robinia pseudoacacia*	Black Locust	Alive	36	4	10-15	M	M	M	I	x	No	Remove	1:1	Trimble R1
55	*Pinus strobus*	Eastern White Pine	Alive	40	7	15-20	M	M	M	N	x	No	Remove	1:1	Trimble R1
235	*Fraxinus americana*	White Ash	Alive	14	3	10-15	M	L	L	N		No	Preserve	n/a	Trimble R1
236	*Quercus rubra*	Northern Red Oak	Alive	51	10	15-20	H	H	H	N	x	Yes	Remove	2:1	Trimble R1
240	*Quercus rubra*	Northern Red Oak	Alive	55	10	15-20	H	H	H	N	x	Yes	Injure	n/a	Trimble R1
301	*Malus sp*	Apple Species	Alive	25	5	5-10	M	M	M	<Null>	x	No	Preserve	n/a	Trimble R1
302	*Malus sp*	Apple Species	Alive	24	5	3-5	M	M	L	<Null>	x	No	Preserve	n/a	Trimble R1
303	*Malus sp*	Apple Species	Alive	14	5	5-10	M	M	L	<Null>		No	Preserve	n/a	Trimble R1
304	*Malus sp*	Apple Species	Alive	18	5	5-10	M	M	L	<Null>	x	No	Preserve	n/a	Trimble R1
305	*Pinus strobus*	Eastern White Pine	Alive	79	10	15-20	H	H	H	N	x	No	Preserve	n/a	Trimble R1
321	*Carya ovata*	Shagbark Hickory	Alive	30	9	15-20	H	H	H	N	x	Yes	Preserve	n/a	Trimble R1
322	*Picea glauca*	White Spruce	Alive	24	7	10-15	L	M	L	N	x	No	Injure	n/a	Trimble R1
323	*Acer saccharum*	Sugar Maple	Alive	48	8	15-20	M	H	H	N	x	Yes	Preserve	n/a	Trimble R1
324	*Quercus rubra*	Northern Red Oak	Alive	67	12	15-20	M	H	M	N	x	Yes	Injure	n/a	Trimble R1
325	*Acer saccharum*	Sugar Maple	Alive	28	8	10-15	H	H	H	N	x	Yes	Injure	n/a	Trimble R1
326	*Acer saccharum*	Sugar Maple	Alive	41	10	15-20	H	H	H	N	x	Yes	Injure	n/a	Trimble R1
327	*Acer saccharum*	Sugar Maple	Alive	54	8	15-20	M	H	M	N	x	Yes	Preserve	n/a	Trimble R1
328	*Picea glauca*	White Spruce	Alive	32	4	10-15	M	M	M	N	x	No	Preserve	n/a	Trimble R1
329	*Crataegus sp*	Hawthorn Species	Alive	25	5	5-10	L	M	L	<Null>	x	No	Injure	n/a	Trimble R1
330	*Acer saccharum*	Sugar Maple	Alive	56	10	15-20	H	H	H	N	x	Yes	Preserve	n/a	Trimble R1
331	*Acer saccharum*	Sugar Maple	Alive	52	8	15-20	H	H	H	N	x	Yes	Preserve	n/a	Trimble R1

Tree Data Table, Mississauga Heights EIS

Tree Tag #	Scientific Name	Common Name	Tree Status	Total DBH[1]	Crown Reserve [2] (m)	Height [3] (m)	Structural Condition [4]	Biological Health [5]	Preservation Priority [6]	Native Status [7]	Regulated Tree Subject to Permitting	Suitable Bat Maternity Roost Tree	Tree Action [8]	Compensation [9]	Coordinate Source [10]
332	*Picea pungens*	Blue Spruce	Alive	16	3	5-10	H	M	H	I	x	No	Preserve	n/a	Trimble R1
333	*Populus deltoides*	Eastern Cottonwood	Alive	25	7	5-10	M	M	M	N	x	No	Injure	n/a	Trimble R1
334	*Acer platanoides*	Norway Maple	Alive	17	3	5-10	H	H	H	I	x	No	Remove	1:1	Trimble R1
335	*Prunus serotina*	Black Cherry	Alive	66	10	15-20	H	M	M	N	x	Yes	Remove	2:1	Trimble R1
336	*Acer platanoides*	Norway Maple	Alive	15	3	5-10	H	H	M	I		No	Preserve	n/a	Trimble R1
337	*Populus deltoides*	Eastern Cottonwood	Alive	30	5	10-15	H	M	M	N	x	No	Preserve	n/a	Trimble R1
338	*Picea pungens*	Blue Spruce	Alive	16	4	5-10	H	H	H	I	x	No	Remove	1:1	Trimble R1
401	*Acer x freemanii*	(Acer rubrum X Acer saccharir	Alive	47	8	10-15	H	H	H	I	x	0	Preserve	n/a	Trimble R1
402	*Pinus strobus*	Eastern White Pine	Alive	35	6	10-15	H	H	H	N	x	0	Preserve	n/a	Trimble R1
403	*Quercus rubra*	Northern Red Oak	Alive	66	11	15-20	M	H	H	N	x	0	Preserve	n/a	Trimble R1
404	*Betula pendula*	Weeping Birch	Alive	39	7	10-15	M	H	H	I	x	0	Preserve	n/a	Trimble R1
405	*Pinus strobus*	Eastern White Pine	Alive	69	6	15-20	M	M	M	N	x	0	Preserve	n/a	Trimble R1
406	*Acer platanoides*	Norway Maple	Alive	70	11	15-20	H	H	H	I	x	Yes	Preserve	n/a	Trimble R1
407	*Tilia americana*	American Basswood	Alive	38	3	15-20	M	H	H	N	x	0	Preserve	n/a	Trimble R1
408	*Acer platanoides*	Norway Maple	Alive	39	8	15-20	H	H	H	I	x	0	Remove	1:1	Trimble R1
409	*Acer platanoides*	Norway Maple	Alive	17	5	10-15	H	H	H	I	x	0	Remove	1:1	Trimble R1
410	*Acer platanoides*	Norway Maple	Alive	29	8	10-15	H	H	H	I	x	0	Remove	1:1	Trimble R1
411	*Pinus sylvestris*	Scots Pine	Dead	31	0	15-20	TBD	TBD	TBD	I	x	Yes	Remove	n/a	Trimble R1
412	*Pinus sylvestris*	Scots Pine	Alive	24	2	15-20	L	L	L	I	x	Yes	Remove	1:1	Trimble R1
413	*Thuja occidentalis*	Eastern White Cedar	Alive	25	3	10-15	H	M	M	N	x	0	Remove	1:1	Trimble R1
414	*Picea abies*	Norway Spruce	Alive	48	8	15-20	M	M	M	I	x	0	Remove	1:1	Trimble R1
415	*Acer platanoides*	Norway Maple	Alive	31	10	10-15	H	H	H	I	x	0	Remove	1:1	Trimble R1
416	*Acer platanoides*	Norway Maple	Alive	21	5	10-15	M	H	M	I	x	Yes	Remove	1:1	Trimble R1
417	*Quercus rubra*	Northern Red Oak	Alive	35	10	15-20	H	H	H	N	x	0	Remove	1:1	Trimble R1
418	*Quercus rubra*	Northern Red Oak	Alive	21	6	10-15	H	H	H	N	x	0	Remove	1:1	Trimble R1
419	*Populus grandidentata*	Large-toothed Aspen	Alive	43	8	10-15	H	H	H	N	x	0	Remove	1:1	Trimble R1
420	*Acer platanoides*	Norway Maple	Alive	25	10	10-15	H	H	H	I	x	0	Remove	1:1	Trimble R1
421	*Quercus rubra*	Northern Red Oak	Alive	31	8	10-15	H	H	H	N	x	0	Remove	1:1	Trimble R1
422	*Picea pungens*	Blue Spruce	Alive	28	5	10-15	M	M	M	I	x	0	Remove	1:1	Trimble R1
423	*Picea abies*	Norway Spruce	Alive	62	13	20-25	H	H	H	I	x	0	Remove	2:1	Trimble R1
424	*Picea abies*	Norway Spruce	Alive	38	10	15-20	H	H	H	I	x	0	Remove	1:1	Trimble R1
425	*Picea abies*	Norway Spruce	Alive	56	14	20-25	H	H	H	I	x	0	Remove	2:1	Trimble R1
425.1	*Gymnocladus dioicus*	Kentucky Coffee-tree	Alive	14	5	5-10	H	H	H	N		No	Injure	n/a	Trimble R1
426	*Pinus strobus*	Eastern White Pine	Alive	64	12	20-25	H	H	H	N	x	0	Remove	2:1	Trimble R1
426.1	*Picea pungens*	Blue Spruce	Alive	11	2	5-10	M	M	M	I		No	Preserve	n/a	Trimble R1
427	*Pinus strobus*	Eastern White Pine	Alive	48	8	15-20	M	H	H	N	x	0	Remove	1:1	Trimble R1
428	*Picea abies*	Norway Spruce	Alive	48	6	15-20	H	M	M	I	x	0	Remove	1:1	Trimble R1
428.1	*Acer platanoides*	Norway Maple	Alive	12	2	5-10	M	M	M	I		No	Remove	n/a	Trimble R1
429	*Acer platanoides*	Norway Maple	Alive	99	15	15-20	H	H	H	I	x	Yes	Remove	2:1	Trimble R1
430	*Pinus strobus*	Eastern White Pine	Alive	56	10	20-25	H	H	H	N	x	0	Remove	2:1	Trimble R1
431	*Picea abies*	Norway Spruce	Alive	56	10	20-25	H	H	H	I	x	0	Remove	2:1	Trimble R1
432	*Pinus strobus*	Eastern White Pine	Alive	52	8	20-25	H	H	H	N	x	0	Remove	2:1	Trimble R1
433	*Acer rubrum*	Red Maple	Alive	65.73	10	10-15	H	H	H	N	x	0	Remove	2:1	Trimble R1
434	*Picea sp*	Spruce Species	Dead	42	0	10-15	L	L	L	<Null>	x	Yes	Remove	n/a	Trimble R1
435	*Prunus serotina*	Black Cherry	Alive	35	10	10-15	H	H	H	N	x	0	Remove	1:1	Trimble R1
436	*Picea abies*	Norway Spruce	Alive	44	8	20-25	H	H	H	I	x	0	Remove	1:1	Trimble R1
437	*Pinus strobus*	Eastern White Pine	Alive	44	5	20-25	H	H	H	N	x	0	Remove	1:1	Trimble R1
438	*Prunus serotina*	Black Cherry	Alive	38	8	10-15	M	M	M	N	x	0	Remove	1:1	Trimble R1
439	*Quercus rubra*	Northern Red Oak	Alive	26	6	10-15	H	H	H	N	x	0	Remove	1:1	Trimble R1
440	*Acer platanoides*	Norway Maple	Alive	24	6	10-15	H	H	H	I	x	0	Remove	1:1	Trimble R1
441	*Pinus sylvestris*	Scots Pine	Alive	38	8	20-25	M	M	L	I	x	0	Remove	1:1	Trimble R1
442	*Pinus sylvestris*	Scots Pine	Alive	26	4	15-20	L	L	L	I	x	0	Remove	1:1	Trimble R1
443	*Pinus strobus*	Eastern White Pine	Alive	45	8	20-25	M	H	H	N	x	0	Remove	1:1	Trimble R1
444	*Pinus strobus*	Eastern White Pine	Alive	73.82	10	20-25	M	H	H	N	x	0	Remove	2:1	Trimble R1
445	*Pinus strobus*	Eastern White Pine	Alive	55	10	20-25	H	H	H	N	x	0	Remove	2:1	Trimble R1
446	*Pinus strobus*	Eastern White Pine	Alive	51	8	20-25	H	H	H	N	x	0	Remove	2:1	Trimble R1
447	*Fraxinus sp*	Ash Species	Dead	49	0	20-25	L	L	L	<Null>	x	0	Remove	n/a	Trimble R1
448	*Pinus strobus*	Eastern White Pine	Dead	43	0	20-25	TBD	TBD	TBD	N	x	Yes	Remove	n/a	Trimble R1
449	*Quercus rubra*	Northern Red Oak	Alive	59	8	15-20	M	H	H	N	x	0	Remove	2:1	Trimble R1
450	*Acer platanoides*	Norway Maple	Alive	56	10	15-20	M	M	H	I	x	0	Remove	2:1	Trimble R1
451	*Juglans nigra*	Black Walnut	Alive	40	8	15-20	M	M	M	N	x	0	Remove	1:1	Trimble R1
452	*Acer platanoides*	Norway Maple	Alive	56	7	15-20	M	M	M	I	x	0	Remove	2:1	Trimble R1
453	*Acer platanoides*	Norway Maple	Alive	52	15	15-20	H	H	H	I	x	0	Remove	2:1	Trimble R1
454	*Quercus rubra*	Northern Red Oak	Alive	79.25	15	20-25	M	M	H	N	x	0	Remove	2:1	Trimble R1
455	*Acer platanoides*	Norway Maple	Alive	20	8	10-15	H	H	H	I	x	0	Remove	1:1	Trimble R1
456	*Acer platanoides*	Norway Maple	Alive	17	3	10-15	M	H	H	I	x	0	Remove	1:1	Trimble R1
457	*Acer platanoides*	Norway Maple	Alive	20	5	10-15	H	H	H	I	x	0	Remove	1:1	Trimble R1
458	*Acer platanoides*	Norway Maple	Alive	18	4	10-15	M	H	H	I	x	0	Remove	1:1	Trimble R1
459	*Acer platanoides*	Norway Maple	Alive	28	8	10-15	M	H	H	I	x	0	Remove	1:1	Trimble R1
460	*Pinus sp*	Pine Species	Dead	36	0	15-20	TBD	TBD	TBD	<Null>	x	Yes	Remove	n/a	Trimble R1
461	*Prunus serotina*	Black Cherry	Alive	21	6	10-15	H	H	H	N	x	0	Remove	1:1	Trimble R1
462	*Acer platanoides*	Norway Maple	Alive	15	3	10-15	M	H	H	I		0	Remove	n/a	Trimble R1
463	*Fraxinus sp*	Ash Species	Alive	23	3	15-20	M	L	L	<Null>	x	0	Remove	1:1	Trimble R1

Tree Data Table, Mississauga Heights EIS

Tree Tag #	Scientific Name	Common Name	Tree Status	Total DBH[1]	Crown Reserve [2] (m)	Height [3] (m)	Structural Condition [4]	Biological Health [5]	Preservation Priority [6]	Native Status [7]	Regulated Tree Subject to Permitting	Suitable Bat Maternity Roost Tree	Tree Action [8]	Compensation [9]	Coordinate Source [10]
464	*Acer platanoides*	Norway Maple	Alive	17	5	10-15	H	H	H	I	x	0	Remove	1:1	Trimble R1
465	*Pinus strobus*	Eastern White Pine	Alive	48	7	20-25	H	H	H	N	x	0	Remove	1:1	Trimble R1
466	*Acer platanoides*	Norway Maple	Alive	16	5	10-15	H	H	H	I	x	0	Remove	1:1	Trimble R1
467	*Acer platanoides*	Norway Maple	Alive	17	6	10-15	H	H	H	I	x	0	Remove	1:1	Trimble R1
468	*Robinia pseudoacacia*	Black Locust	Alive	35	5	15-20	M	M	M	I	x	0	Remove	1:1	Trimble R1
469	*Prunus serotina*	Black Cherry	Alive	23	1	10-15	L	L	M	N	x	Yes	Remove	1:1	Trimble R1
470	*Robinia pseudoacacia*	Black Locust	Alive	34	5	15-20	M	H	M	I	x	0	Remove	1:1	Trimble R1
471	*Robinia pseudoacacia*	Black Locust	Alive	52	8	15-20	M	M	M	I	x	0	Remove	2:1	Trimble R1
472	*Fraxinus pennsylvanica*	Green Ash	Dead	16	5	10-15	M	M	M	N	x	0	Remove	n/a	Trimble R1
473	*Fraxinus pennsylvanica*	Green Ash	Alive	15	4	10-15	M	M	M	N		0	Remove	n/a	Trimble R1
474	*Acer platanoides*	Norway Maple	Alive	16	4	10-15	M	H	H	I	x	0	Remove	1:1	Trimble R1
474.1	*Acer platanoides*	Norway Maple	Alive	31.32	8	10-15	M	M	M	I	x	No	Preserve	n/a	Trimble R1
475	*Pinus strobus*	Eastern White Pine	Alive	58	10	20-25	M	H	H	N	x	Yes	Remove	2:1	Trimble R1
476	*Pinus strobus*	Eastern White Pine	Alive	48	10	20-25	M	H	H	N	x	0	Remove	1:1	Trimble R1
477	*Pinus strobus*	Eastern White Pine	Alive	45	10	20-25	M	H	H	N	x	0	Remove	1:1	Trimble R1
478	*Acer platanoides*	Norway Maple	Alive	15	6	10-15	H	H	H	I		0	Remove	n/a	Trimble R1
479	*Pinus strobus*	Eastern White Pine	Alive	45	8	20-25	M	H	H	N	x	0	Remove	1:1	Trimble R1
480	*Pinus sylvestris*	Scots Pine	Dead	23	0	15-20	L	L	L	I	x	Yes	Remove	n/a	Trimble R1
481	*Pinus strobus*	Eastern White Pine	Alive	33	5	15-20	M	H	H	N	x	0	Remove	1:1	Trimble R1
482	*Pinus strobus*	Eastern White Pine	Alive	49	10	20-25	M	H	M	N	x	Yes	Remove	1:1	Trimble R1
483	*Robinia pseudoacacia*	Black Locust	Alive	40	5	20-25	M	M	M	I	x	0	Remove	1:1	Trimble R1
484	*Robinia pseudoacacia*	Black Locust	Alive	34	5	20-25	M	M	M	I	x	0	Remove	1:1	Trimble R1
485	*Robinia pseudoacacia*	Black Locust	Alive	34	5	20-25	M	M	M	I	x	0	Remove	1:1	Trimble R1
486	*Robinia pseudoacacia*	Black Locust	Dead	17	0	15-20	L	L	L	I	x	Yes	Remove	n/a	Trimble R1
487	*Robinia pseudoacacia*	Black Locust	Alive	35	6	15-20	L	M	M	I	x	0	Remove	1:1	Trimble R1
488	*Robinia pseudoacacia*	Black Locust	Alive	23	2	15-20	M	M	M	I	x	0	Remove	1:1	Trimble R1
488.1	*Pinus strobus*	Eastern White Pine	Alive	60	8	10-15	H	H	H	N	x	No	Injure	n/a	Trimble R1
489	*Robinia pseudoacacia*	Black Locust	Alive	35	5	15-20	M	M	M	I	x	0	Remove	1:1	Trimble R1
490	*Pinus strobus*	Eastern White Pine	Alive	40	7	20-25	M	H	H	N	x	0	Remove	1:1	Trimble R1
491	*Pinus strobus*	Eastern White Pine	Alive	55	12	20-25	H	H	H	N	x	0	Remove	2:1	Trimble R1
492	*Pinus strobus*	Eastern White Pine	Alive	66	10	20-25	L	H	H	N	x	0	Remove	2:1	Trimble R1
493	*Pinus sylvestris*	Scots Pine	Alive	27	5	15-20	M	M	M	I	x	0	Remove	1:1	Trimble R1
494	*Acer platanoides*	Norway Maple	Alive	22	7	15-20	H	H	H	I	x	0	Remove	1:1	Trimble R1
495	*Acer platanoides*	Norway Maple	Alive	19	6	15-20	H	H	H	I	x	0	Remove	1:1	Trimble R1
496	*Acer platanoides*	Norway Maple	Alive	17	7	15-20	H	H	H	I	x	0	Remove	1:1	Trimble R1
497	*Betula papyrifera*	Paper Birch	Alive	30.89	9	15-20	M	H	H	N	x	0	Remove	1:1	Trimble R1
498	*Pinus strobus*	Eastern White Pine	Alive	60	15	20-25	H	H	H	N	x	0	Remove	2:1	Trimble R1
499	*Acer saccharum*	Sugar Maple	Alive	53	15	20-25	M	H	H	N	x	0	Remove	2:1	Trimble R1
500	*Pinus sylvestris*	Scots Pine	Alive	35	8	15-20	M	H	M	I	x	0	Remove	1:1	Trimble R1
501	*Picea abies*	Norway Spruce	Alive	53	10	20-25	H	H	H	I	x	0	Remove	2:1	Trimble R1
502	*Pinus strobus*	Eastern White Pine	Alive	61	12	20-25	M	H	H	N	x	0	Remove	2:1	Trimble R1
503	*Picea abies*	Norway Spruce	Alive	43	12	20-25	H	H	H	I	x	0	Remove	1:1	Trimble R1
504	*Betula papyrifera*	Paper Birch	Alive	27	5	15-20	M	H	H	N	x	0	Remove	1:1	Trimble R1
505	*Betula papyrifera*	Paper Birch	Alive	30	8	15-20	M	M	H	N	x	Yes	Remove	1:1	Trimble R1
506	*Picea abies*	Norway Spruce	Alive	35	6	15-20	H	H	H	I	x	0	Remove	1:1	Trimble R1
507	*Betula papyrifera*	Paper Birch	Alive	30	8	15-20	M	H	H	N	x	0	Remove	1:1	Trimble R1
508	*Picea abies*	Norway Spruce	Alive	35	7	20-25	H	H	H	I	x	0	Remove	1:1	Trimble R1
509	*Betula papyrifera*	Paper Birch	Dead	41.82	2	10-15	L	L	L	N	x	0	Remove	n/a	Trimble R1
510	*Picea abies*	Norway Spruce	Alive	33	6	20-25	H	H	H	I	x	0	Remove	1:1	Trimble R1
511	*Picea abies*	Norway Spruce	Alive	53	6	20-25	H	H	H	I	x	0	Remove	2:1	Trimble R1
512	*Picea abies*	Norway Spruce	Alive	45.18	6	20-25	M	H	H	I	x	0	Remove	1:1	Trimble R1
513	*Betula papyrifera*	Paper Birch	Dead	28	5	20-25	M	L	M	N	x	0	Remove	n/a	Trimble R1
514	*Picea abies*	Norway Spruce	Alive	54	12	20-25	H	H	H	I	x	0	Remove	2:1	Trimble R1
515	*Picea abies*	Norway Spruce	Alive	38	3	20-25	M	L	L	I	x	0	Remove	1:1	Trimble R1
516	*Picea abies*	Norway Spruce	Alive	26	6	10-15	M	H	H	I	x	0	Remove	1:1	Trimble R1
517	*Picea abies*	Norway Spruce	Alive	45	5	20-25	M	H	H	I	x	0	Remove	1:1	Trimble R1
518	*Picea abies*	Norway Spruce	Alive	39	7	20-25	H	H	H	I	x	0	Injure	n/a	Trimble R1
519	*Picea abies*	Norway Spruce	Alive	55	9	20-25	H	H	H	I	x	0	Injure	n/a	Trimble R1
520	*Acer saccharinum*	Silver Maple	Alive	127	20	20-25	H	H	H	N	x	0	Remove	2:1	Trimble R1
521	*Picea abies*	Norway Spruce	Alive	48	7	20-25	H	M	M	I	x	0	Remove	1:1	Trimble R1
522	*Pinus sylvestris*	Scots Pine	Alive	31	5	20-25	M	H	M	I	x	0	Remove	1:1	Trimble R1
523	*Pinus strobus*	Eastern White Pine	Alive	36	6	20-25	H	H	H	N	x	0	Injure	n/a	Trimble R1
524	*Pinus strobus*	Eastern White Pine	Alive	46	6	20-25	M	H	H	N	x	0	Remove	1:1	Trimble R1
525	*Acer saccharum*	Sugar Maple	Alive	71	15	20-25	H	H	H	N	x	0	Remove	2:1	Trimble R1
526	*Pinus strobus*	Eastern White Pine	Alive	37	3	20-25	M	M	M	N	x	0	Preserve	n/a	Trimble R1
527	*Quercus rubra*	Northern Red Oak	Alive	50	15	15-20	H	H	H	N	x	0	Remove	2:1	Trimble R1
528	*Acer platanoides*	Norway Maple	Alive	18	4	10-15	H	H	H	I	x	0	Remove	1:1	Trimble R1
529	*Acer platanoides*	Norway Maple	Alive	16	4	10-15	H	H	H	I	x	0	Remove	1:1	Trimble R1
530	*Carya ovata*	Shagbark Hickory	Alive	17	6	10-15	H	H	H	N	x	0	Remove	1:1	Trimble R1
531	*Pinus strobus*	Eastern White Pine	Alive	73	7	20-25	M	H	H	N	x	0	Remove	2:1	Trimble R1
532	*Acer saccharum*	Sugar Maple	Alive	16	6	10-15	H	H	H	N	x	0	Remove	1:1	Trimble R1
533	*Acer saccharum*	Sugar Maple	Alive	15	6	10-15	M	H	H	N		0	Remove	n/a	Trimble R1
534	*Acer saccharum*	Sugar Maple	Alive	23	6	10-15	H	H	H	N	x	0	Remove	1:1	Trimble R1

Tree Data Table, Mississauga Heights EIS

Tree Tag #	Scientific Name	Common Name	Tree Status	Total DBH[1]	Crown Reserve [2] (m)	Height [3] (m)	Structural Condition [4]	Biological Health [5]	Preservation Priority [6]	Native Status [7]	Regulated Tree Subject to Permitting	Suitable Bat Maternity Roost Tree	Tree Action [8]	Compensation [9]	Coordinate Source [10]
535	*Carya ovata*	Shagbark Hickory	Alive	31	7	15-20	H	H	H	N	x	0	Remove	1:1	Trimble R1
536	*Picea abies*	Norway Spruce	Alive	25	3	10-15	M	M	M	I	x	0	Remove	1:1	Trimble R1
537	*Acer saccharum*	Sugar Maple	Alive	67	12	20-25	H	H	H	N	x	0	Remove	2:1	Trimble R1
538	*Acer saccharum*	Sugar Maple	Alive	35	10	20-25	M	H	H	N	x	0	Remove	1:1	Trimble R1
539	*Acer saccharum*	Sugar Maple	Alive	78	15	20-25	M	H	H	N	x	0	Remove	2:1	Trimble R1
540	*Acer saccharum*	Sugar Maple	Alive	48	10	20-25	M	H	H	N	x	0	Remove	1:1	Trimble R1
606	*Picea glauca*	White Spruce	Alive	60	8	15-20	H	H	H	N	x	No	Preserve	n/a	Trimble R1
805	*Acer platanoides*	Norway Maple	Alive	12	2	5-10	M	M	M	I		No	Remove	n/a	Trimble R1
806	*Prunus serotina*	Black Cherry	Alive	15	2	5-10	L	L	L	N		No	Remove	n/a	Trimble R1
807	*Malus sp*	Apple Species	Alive	20.62	8	5-10	L	L	L	<Null>		No	Remove	1:1	Trimble R1
808	*Acer platanoides*	Norway Maple	Alive	16	3	5-10	M	M	M	I	x	No	Remove	1:1	Trimble R1
809	*Acer platanoides*	Norway Maple	Alive	12	4	5-10	M	H	M	I		No	Remove	n/a	Trimble R1
810	*Prunus serotina*	Black Cherry	Alive	12	4	5-10	L	L	L	N		No	Remove	n/a	Trimble R1
811	*Fraxinus americana*	White Ash	Alive	14	3	5-10	L	M	L	N		No	Remove	n/a	Trimble R1
812	*Prunus serotina*	Black Cherry	Alive	15	7	5-10	M	M	M	N		No	Remove	n/a	Trimble R1
813	*Prunus serotina*	Black Cherry	Alive	12	3	5-10	L	L	L	N		No	Remove	n/a	Trimble R1
814	*Acer platanoides*	Norway Maple	Alive	12	8	10-15	M	M	M	I		No	Remove	n/a	Trimble R1
815	*Acer platanoides*	Norway Maple	Alive	12	3	5-10	M	M	M	I		No	Remove	n/a	Trimble R1
816	*Acer platanoides*	Norway Maple	Alive	12	3	5-10	M	M	M	I		No	Remove	n/a	Trimble R1
817	*Acer platanoides*	Norway Maple	Alive	13	3	5-10	M	M	M	I		No	Remove	n/a	Trimble R1
818	*Acer platanoides*	Norway Maple	Alive	13	3	5-10	M	M	M	I		No	Remove	n/a	Trimble R1
819	*Acer platanoides*	Norway Maple	Alive	12	2	5-10	M	M	M	I		No	Remove	n/a	Trimble R1
820	*Acer platanoides*	Norway Maple	Alive	13	5	5-10	M	M	M	I		No	Remove	n/a	Trimble R1
821	*Acer platanoides*	Norway Maple	Alive	14	4	5-10	M	M	M	I		No	Remove	n/a	Trimble R1
822	*Acer platanoides*	Norway Maple	Alive	11	2	5-10	M	M	M	I		No	Remove	n/a	Trimble R1
823	*Acer platanoides*	Norway Maple	Alive	11	2	5-10	M	M	M	I		No	Remove	n/a	Trimble R1
824	*Acer platanoides*	Norway Maple	Alive	15	4	5-10	M	M	M	I		No	Remove	n/a	Trimble R1
825	*Acer platanoides*	Norway Maple	Alive	10	3	5-10	L	M	L	I		No	Remove	n/a	Trimble R1
826	*Acer platanoides*	Norway Maple	Alive	12	4	5-10	M	M	M	I		No	Remove	n/a	Trimble R1
827	*Acer platanoides*	Norway Maple	Alive	11	4	5-10	M	M	M	I		No	Remove	n/a	Trimble R1
828	*Acer platanoides*	Norway Maple	Alive	13	3	5-10	M	M	M	I		No	Remove	n/a	Trimble R1
829	*Acer platanoides*	Norway Maple	Alive	12	2	5-10	M	M	M	I		No	Remove	n/a	Trimble R1
830	*Acer platanoides*	Norway Maple	Alive	10	2	5-10	M	M	M	I		No	Remove	n/a	Trimble R1
831	*Acer platanoides*	Norway Maple	Alive	12	2	5-10	M	M	M	I		No	Remove	n/a	Trimble R1
832	*Acer platanoides*	Norway Maple	Alive	12	3	5-10	L	M	M	I		No	Remove	n/a	Trimble R1
833	*Acer platanoides*	Norway Maple	Alive	12	4	5-10	M	M	M	I		No	Remove	n/a	Trimble R1
834	*Acer platanoides*	Norway Maple	Alive	12	2	5-10	L	M	L	I		No	Remove	n/a	Trimble R1
835	*Acer platanoides*	Norway Maple	Alive	15	5	5-10	M	M	M	I		No	Remove	n/a	Trimble R1
836	*Acer platanoides*	Norway Maple	Alive	10	3	5-10	M	M	M	I		No	Remove	n/a	Trimble R1
837	*Acer platanoides*	Norway Maple	Alive	10	2	5-10	M	M	M	I		No	Remove	n/a	Trimble R1
838	*Acer platanoides*	Norway Maple	Alive	11	3	5-10	M	M	M	I		No	Remove	n/a	Trimble R1
839	*Acer platanoides*	Norway Maple	Alive	11	11	5-10	M	M	M	I		No	Remove	n/a	Trimble R1
840	*Acer platanoides*	Norway Maple	Alive	15	6	10-15	M	M	M	I		No	Remove	n/a	Trimble R1
842	*Robinia pseudoacacia*	Black Locust	Alive	80.61	12	15-20	H	H	H	I	x	No	Injure	n/a	Trimble R1
843	*Thuja occidentalis*	Eastern White Cedar	Alive	14	1	3-5	H	H	H	N		No	Injure	n/a	Trimble R1
844	*Thuja occidentalis*	Eastern White Cedar	Alive	13	2	3-5	M	H	H	N		No	Preserve	n/a	Trimble R1
845	*Thuja occidentalis*	Eastern White Cedar	Alive	14	3	3-5	M	H	H	N		No	Injure	n/a	Trimble R1
846	*Acer platanoides*	Norway Maple	Alive	13	4	5-10	M	M	M	I		No	Remove	n/a	Trimble R1
847	*Acer platanoides*	Norway Maple	Alive	10	2	5-10	M	M	M	I		No	Remove	n/a	Trimble R1
848	*Acer platanoides*	Norway Maple	Alive	11	3	5-10	M	M	M	I		No	Remove	n/a	Trimble R1
849	*Acer platanoides*	Norway Maple	Alive	11	4	5-10	M	M	M	I		No	Remove	n/a	Trimble R1
850	*Acer platanoides*	Norway Maple	Alive	16.34	2	3-5	L	L	L	I		No	Remove	1:1	Trimble R1
851	*Acer platanoides*	Norway Maple	Alive	12	3	5-10	H	H	M	I		No	Remove	n/a	Trimble R1
852	*Prunus serotina*	Black Cherry	Alive	10	4	5-10	M	M	M	N		No	Remove	n/a	Trimble R1
853	*Prunus serotina*	Black Cherry	Alive	11	3	5-10	M	M	M	N		No	Remove	n/a	Trimble R1
854	*Acer platanoides*	Norway Maple	Dead	12	4	3-5	L	M	M	I		No	Remove	n/a	Trimble R1
855	*Morus alba*	White Mulberry	Alive	24.08	5	3-5	L	L	L	I	x	No	Remove	1:1	Trimble R1
856	*Populus deltoides*	Eastern Cottonwood	Alive	23	4	5-10	L	M	M	N	x	No	Remove	1:1	Trimble R1
857	*Acer platanoides*	Norway Maple	Alive	11	2	10-15	M	M	M	I		No	Remove	n/a	Trimble R1
858	*Acer platanoides*	Norway Maple	Alive	11	2	5-10	M	M	M	I		No	Remove	n/a	Trimble R1
859	*Acer platanoides*	Norway Maple	Alive	11	4	5-10	M	M	M	I		No	Remove	n/a	Trimble R1
860	*Acer platanoides*	Norway Maple	Alive	15	6	5-10	M	M	M	I		No	Remove	n/a	Trimble R1
861	*Acer platanoides*	Norway Maple	Alive	15	5	5-10	M	M	M	I		No	Remove	n/a	Trimble R1
862	*Acer platanoides*	Norway Maple	Alive	15	4	5-10	M	M	M	I		No	Remove	n/a	Trimble R1
863	*Acer platanoides*	Norway Maple	Alive	15	5	5-10	M	M	M	I		No	Remove	n/a	Trimble R1
864	*Acer platanoides*	Norway Maple	Alive	20.3	6	5-10	L	M	L	I		No	Remove	1:1	Trimble R1
865	*Acer platanoides*	Norway Maple	Alive	12	2	5-10	M	M	M	I		No	Remove	n/a	Trimble R1
866	*Acer platanoides*	Norway Maple	Alive	13	4	5-10	M	M	M	I		No	Remove	n/a	Trimble R1
867	*Acer platanoides*	Norway Maple	Alive	11	4	5-10	M	M	M	I		No	Remove	n/a	Trimble R1
868	*Juniperus virginiana*	Eastern Red Cedar	Alive	12	4	3-5	M	M	M	N		No	Preserve	n/a	Trimble R1
869	*Acer platanoides*	Norway Maple	Alive	48	10	15-20	M	H	H	I	x	No	Remove	1:1	Trimble R1

ree Assessment Criteria

1. *DBH (cm) : Diameter at breast height, 1.4 m above ground, measured in centimetres.For multistemmed specimen, the total DBH was calculated by taking the square root of the sum of the square value of each stem.*

Tree Data Table, Mississauga Heights EIS

Tree Tag #	Scientific Name	Common Name	Tree Status	Total DBH[1]	Crown Reserve [2] (m)	Height [3] (m)	Structural Condition [4]	Biological Health [5]	Preservation Priority [6]	Native Status [7]	Regulated Tree Subject to Permitting	Suitable Bat Maternity Roost Tree	Tree Action [8]	Compensation [9]	Coordinate Source [10]

2. *Crown Reserve (m) : Crown diameter (tree's canopy) measured at intervals of 1, 3, 5, 7.5, 10, 15 metres*

3. *Height (m) : Height of tree from ground to top of crown.*

4. *Structural Condition : Related to defects in a tree's structure, (i.e., lean, codominant trunks).*
High *- No structural defects, well-developed crown.*
Medium *- Presence of minor structural defects.*
Low *- Presence of major structural defects including drastic leans and imminent branch and/or trunk failure.*

5. *Biological Health : Related to presence and extent of disease/disease symptoms and the vigour of the tree.*
High *- No diseases/disease symptoms present, and moderate to high vigour.*
Medium *- Presence of minor diseases/disease symptoms, and/or moderate vigour.*
Low *- Presence of major diseases/disease symptoms, (i.e., extensive crown dieback), and/or severely poor vigour.*

6. *Preservation Priority : A rating of each tree's projected survival related to existing conditions.*
High *- High to moderate biological health, and well developed crown. Well suited as a shade tree or screen planting. Will survive existing conditions indefinitely.*
Medium *- One or more moderate to severe defects in biological health and/or structural condition. Marginally suited as a shade tree or screen planting. Can survive at least 3 - 5 years under existing conditions.*
This category also includes stock planted within past 2 years that is not yet established.
Low *- Low biological health and/or severely damaged/defective structural condition, and/or unsuitable for urban uses. If biologically defective, survival for more than 1-3 years under existing conditions is unlikely.*

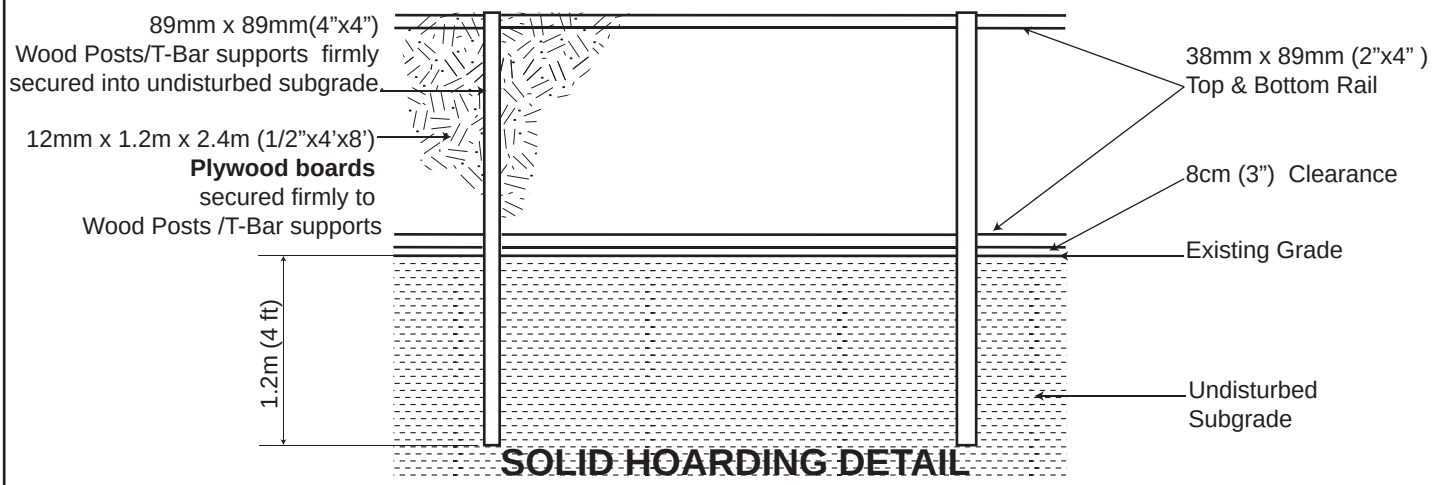
7. *Native Status :*
Native *– Native to Ontario*
Introduced *– Not native to Ontario*
Genus *- Unable to identify species level due to lack of key characteristics at the time of survey.*
Source: NHIC (Natural Heritage Information Centre). 2009. Ontario Vascular Plant Species List. Biodiversity Explorer Online Database. Ontario Ministry of Natural Resources.

8. *Tree Action*
Preserve *- Trees that have a dripline that is substantially outside the limits of disturbance (less than 30% of the crown reserve will be impacted) and having moderate to high Preservation Priority. Protection of the entire root zone of the tree is desirable.*
Injure *- Trees located near construction activities that may be damaged.*
Remove *- Any tree for which at least 30% of the dripline is within the limits of disturbance, has low biological health, and/or severe structural defects, and is not likely to survive more than 1-3 years, and/or will not survive proposed development.*
N/A *- Not applicable. Tree not present. Removed since D&A's 2014 arborist assessment.*

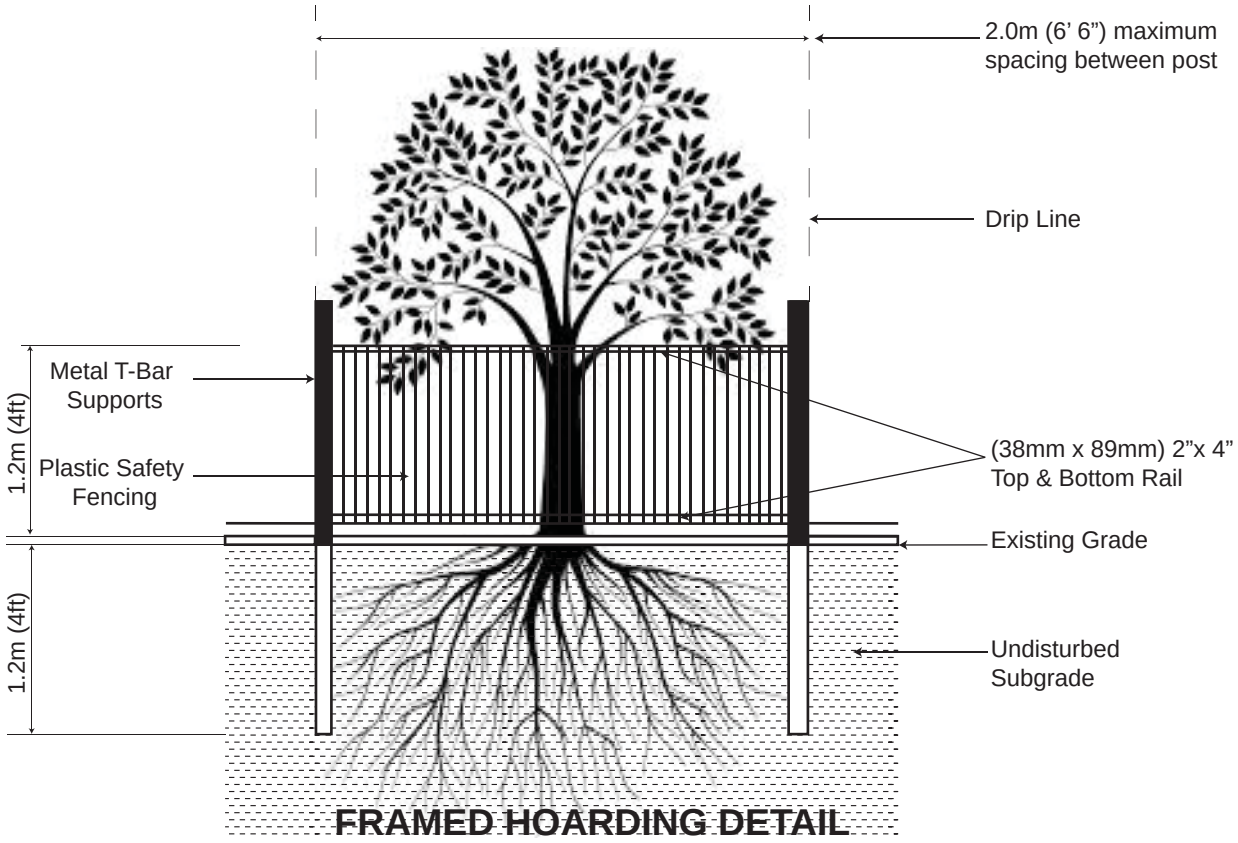
9. *Compensation*
1:1 *- One replacement tree is required if a healthy tree was removed that was 0 to 49 cm (City of Mississauga, 2021)*
2:1 *- Two replacement trees are required if a healthy tree removed is 50 cm or greater (City of Mississauga, 2021)*
n/a *- Compensation not required for trees proposed for preservation, or proposed for injury of removal that are 15 cm DBH or smaller (City of Mississauga, 2012)*

10. *Coordinate Source*
Trimble R1 GPS Unit *- Global Positioning System (GPS) device used to locate each tree.*

APPENDIX B - Tree Protection Fencing Detail & Signage Concept



SOLID HOARDING DETAIL



FRAMED HOARDING DETAIL

NOTES:

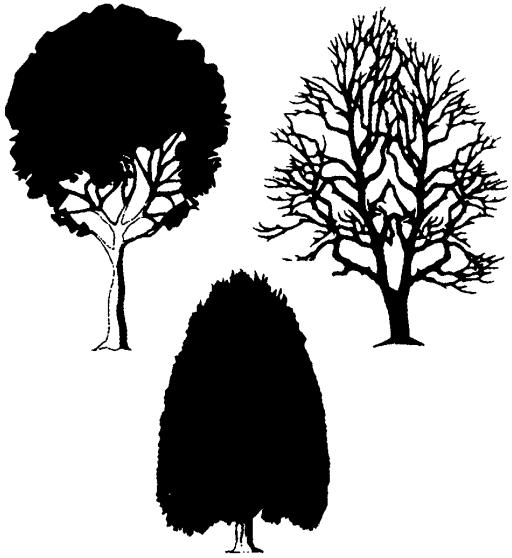
1. Hoarding details to be determined following initial site inspection.
2. Private tree hoarding to be approved by Development & Design ;
   City tree hoarding to be approved by Community Services Dept.
3. Hoarding must be supplied, installed and maintained by the applicant throughout all phases of construction.
   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

MISSISSAUGA

SCALE : N.T.S DATE : June 2017

CONCEPT SIGNAGE



TREE PRESERVATION AREA

NO

DUMPING
STORAGE OF MATERIALS
TREE REMOVAL
DISTURBANCE OF ANY KIND

BEYOND THIS POINT

DEVELOPERS NAME	DEVELOPERS TELEPHONE NUMBER
CONSULTANTS NAME	CONSULTANTS TELEPHONE NUMBER
CITY CONTACT NAME	CITY CONTACT TELEPHONE NUMBER

MOUNTED ON GATOR BOARD
MINIMUM SIZE 11" x 17"

SIGN TO BE PLACED 45M O.C. ALONG FENCE
SECURED WITH OUTDOOR PLASTIC LOCKING TIE-WRAPS

APPENDIX C - Tree Removal Declaration and Application Form

Tree Injury or Destruction Questionnaire and Declaration Schedule

under the *Planning Act*, R.S.O. 1990, c.P.13, as amended

Planning and Building Department
Development and Design Division
300 City Centre Drive
Mississauga, ON L5B 3C1
Tel: 905-615-3200 ext. 4165
www.mississauga.ca

MISSISSAUGA

Personal information on this form is collected under the authority of Section 135 of the *Municipal Act*, 2001, SO 2001 c25, and City of Mississauga By-law 0254-2012, as amended, and will be used for processing tree permit/permissions applications. Questions about the collection of personal information should be directed to the Private Tree Protection By-law Inspector at (905) 615-4311.

Tree Injury or Destruction Questionnaire and Declaration

The City of Mississauga has enacted Private Tree Protection By-law 0254-2012, as amended, that requires a Permit to injure or destroy trees on private property within the City. Furthermore, a Tree Removal Permission process has also been established in certain circumstances. A Tree Permit is required when three or more trees with a diameter greater than 15 cm (6 in) are proposed to be injured or removed due to the owner's desire, or in conjunction with a development application.

Applicant/Property Owner/Site Information

Address of Site: 904 Mississauga Heights Drive, Mississauga

Ward No.:

Name of Applicant: Mario Polla

Name of Property Owner: Mario Polla

1. Are there existing trees on the property with a diameter greater than 15 cm (6 in.)? ☑ Yes ☐ No
2. I intend on injuring or destroying:
   - ☐ No trees.....No permit or permission required
   - ☐ All trees having a diameter of 15 cm (6 in.) or less.....No permit or permission required
   - ☐ Up to TWO trees with diameters greater than 15 cm (6 in.) within one calendar year.....No permit or permission required
   - ☑ THREE or MORE trees with diameters greater than 15 cm (6 in.) within one calendar year regardless of its condition (i.e. dead, dying and dangerous trees) .....Permit or permission required

   Indicate how many trees are subject to injury or destruction: 176 (>15cm DBH)
3. If a permit is required, have you applied for a permit to injure or destroy the trees? ☐ Yes ☐ No

   If yes, what is the state of the application? ☐ In-process ☐ Approved ☐ Refused

   Permit No.:
4. Are there public trees adjacent to the subject property that may be impacted by the proposed construction or development? ☐ Yes ☑ No
5. Provide the file no. for any of the following applications currently under review for the subject property.

Official Plan/Rezoning:		Subdivision:	
Building Permit:		Site Plan:	
Pool Enclosure Permit:		Committee of Adjustment:	
Land Division:		Erosion & Sediment Control Permit:	

Declaration of Applicant

I, the undersigned, hereby declare that the statements made upon this questionnaire and declaration is to the best of my belief and knowledge a true and complete representation of my intentions.

Signature of Applicant/Property Owner _____ Print Name _____ Date _____

Copy: Private Tree By-law Inspector, Forestry, 950 Burnhamthorpe Road West
Development Construction, Transportation & Works Department, 3185 Mavis Road

Application to Permit the Injury or Destruction of Trees on Private Property

For a Tree Permit or Tree Removal Permission

Community Services Department
Forestry Section
950 Burnhamthorpe Road West
Mississauga, Ontario L5C 3B4
Tel.: 3-1-1 (905-615-4311 outside City limits)
FAX: 905-615-3098
www.mississauga.ca/forestry

MISSISSAUGA

Personal information on this form is collected under the authority of Section 135 of the *Municipal Act, 2001*, SO 2001, c25 and City of Mississauga By-law 0254-2012 and will be used for processing tree permit/permission applications. For the purpose of public access to information, a limited amount of information will be displayed on the City's website. Questions about the collection of personal information should be directed to the Private Tree Protection By-law Inspector at 3-1-1.

Important Information / Requirements regarding Application process

A separate application is required for each applicable address. Incomplete applications will not be processed.

- This is not a permit. Removal of three trees or more each with a diameter greater than 15 cm before receiving an approved permit will put you in contravention of By-law 0254-2012.
- Ensure you have read and understand the Private Tree Protection By-law in its entirety before completing this application.
- If this application is signed by an applicant or agent other than the owner, written authorization of the owner is required.
- Provide two (2) copies of plans or drawings of the property showing the location of trees to be removed and those being preserved, and if replanting please include a replanting or landscaping plan. Additional copies may be requested.
- Provide an Arborist report completed by an Arborist as defined, at the direction of the Private Tree Protection By-law Inspector.
- Before removing any trees, written consent is required from an adjacent property owner where any portion of the tree trunk rests on the property line or the adjacent owner's property.
- Mail or deliver this application and other supporting documentation to the Forestry Section at 950 Burnhamthorpe Road West.
- Applications may take up to 30 days to be processed.
- Fee Requirements: As per #7.
- All Ash trees are considered dead/dying.
- All pages of this application must be completed to be accepted by Forestry for review.
- For ASH TREE ONLY applications please email applications to: privatetree@mississauga.ca

FOR APPLICATIONS WITH ASH TREES ONLY, APPLICANT MUST HAVE A CERTIFIED ARBORIST VERIFY AND SIGN OFF ON INFORMATION

Owner / Applicant / Municipal Address Information

◆ **Application to be completed by applicant** ◆ **Print clearly** ◆ **All fields are mandatory** ◆

Provide all contact details where applicable, indicating your preferred contact method by checking ☑ the appropriate box.

Municipal Site Address _____ Ward # _____

Name of Applicant/Agent _____

☐ Phone _____ ☐ Cellphone _____

☐ Fax (if applicable) _____ ☐ Email _____

Name of Registered Owner _____

Mailing Address of Owner (if different than municipal address) _____

Existing land use _____

Declaration

◆ **If Owner's signature cannot be included, a separate Letter of Owner's Authorization must be provided** ◆

Declaration
I, the Applicant and the Owner, hereby declare that the statements made by me upon this application are, to the best of my belief and knowledge, a true and complete representation of the purpose and intent of this application.

Applicant Signature	Print name	Date (YYYY/MM/DD)
Owner Signature	Print name	Date (YYYY/MM/DD)
Arborist Name/Professional #	Print name	Date (YYYY/MM/DD)

OFFICE USE ONLY

Permit No. _____ Received by _____ Date (YYYY/MM/DD) _____

Fee $ _____ Official Receipt # _____ Received by _____ Date (YYYY/MM/DD) _____

Tree Detail

1. If applicable, provide the file number for any current development applications that have been submitted

- ☐ Official Plan/Rezoning ____________
- ☐ Subdivision ____________
- ☐ Building Permit ____________
- ☐ Committee of Adjustment ____________
- ☐ Erosion & Sediment Control Permit ____________
- ☐ Site Plan ____________
- ☐ Pool Permit ____________
- ☐ Land Division ____________

2. Have you removed any trees within this calendar year?
☐ Yes ☐ No
If yes, how many trees were removed? ____________

How many of these trees were larger than 15 cm? ____________
(Please list these trees below)

3. Number of trees being injured or removed:

Total 160 (remove); 16 (injure)

Dead/Dying 11 Healthy 165

4. Indicate the species, diameter (in cm) and reason for removal, as well as any additional comments on the Tree Removal Inventory Table below, and/or provide an Arborists Report.
See 904 Mississauga Heights Arborist Report & TPP (D&A, 2021)

5. Will you be planting replacement trees? ☐ Yes ☐ No
If yes, are copies of the replanting plan attached?
☐ Yes ☐ No

6. A site plan or drawing of the subject property is required and must include the following:
- The location of any buildings on the property
- The dimensions of the property and location of the streets
- The location and size of trees being protected
- The proposed location for replacement tree(s).
- Other natural features on the property such as slopes and creeks.

7. Fee Requirements: At time of application submission, please provide only the base Tree Removal Permit Fee for the removal of 3 healthy trees, each with a diameter greater than 15 cm as defined in the Fees and Charges by-law. Please don't pay for any additional trees at this time. When applicable, after inspection of the property any further payments required will be communicated to the Applicant using their preferred method of communication.

Trees which are dead, dying or hazardous are not subject to any fees but do require a permit.

Cheques payable to "City of Mississauga".
This fee is non-refundable.

Tree Removal Inventory
Indicate the species, diameter (in cm), reason for removal or additional comments and tree condition.
If more than two (2) healthy trees, document them using the Tree Removal Inventory Table below and/or provide an Arborists Report.

Status	Species	Diameter	Reason/Comments	Condition
☐ Already Removed ☐ To be Removed				☐ Good ☐ Fair ☐ Poor ☐ Dead
☐ Already Removed ☐ To be Removed				☐ Good ☐ Fair ☐ Poor ☐ Dead
☐ Already Removed ☐ To be Removed				☐ Good ☐ Fair ☐ Poor ☐ Dead
☐ Already Removed ☐ To be Removed				☐ Good ☐ Fair ☐ Poor ☐ Dead
☐ Already Removed ☐ To be Removed				☐ Good ☐ Fair ☐ Poor ☐ Dead
☐ Already Removed ☐ To be Removed				☐ Good ☐ Fair ☐ Poor ☐ Dead
☐ Already Removed ☐ To be Removed				☐ Good ☐ Fair ☐ Poor ☐ Dead
☐ Already Removed ☐ To be Removed				☐ Good ☐ Fair ☐ Poor ☐ Dead
☐ Already Removed ☐ To be Removed				☐ Good ☐ Fair ☐ Poor ☐ Dead
☐ Already Removed ☐ To be Removed				☐ Good ☐ Fair ☐ Poor ☐ Dead
☐ Already Removed ☐ To be Removed				☐ Good ☐ Fair ☐ Poor ☐ Dead
☐ Already Removed ☐ To be Removed				☐ Good ☐ Fair ☐ Poor ☐ Dead
☐ Already Removed ☐ To be Removed				☐ Good ☐ Fair ☐ Poor ☐ Dead
☐ Already Removed ☐ To be Removed				☐ Good ☐ Fair ☐ Poor ☐ Dead
☐ Already Removed ☐ To be Removed				☐ Good ☐ Fair ☐ Poor ☐ Dead