

Arborist Report

6620 Rothschild Trail

Block 21 Vintages Select

City of Mississauga

Part of Lot 21 and 22, Registered Plan 43M-1710

Prepared For:

DiBlasio Homes

Prepared By:

Beacon Environmental Limited

Date:

2024-12-09

Project:

215194



GUIDING SOLUTIONS IN THE NATURAL ENVIRONMENT

Table of Contents

	page
1. Introduction	1
2. Methodology	1
3. Results	2
3.1 Subject Property Trees	2
3.2 Public Trees	3
4. Proposed Development, Tree Preservation, and Removal.....	3
4.1 Trees Recommended for Removal Due to Development	4
4.2 Trees Recommended for Preservation	4
5. Tree Preservation/Construction Specifications	5
6. Tree Replacement and Compensation	6
7. Summary	7
8. References	8

Figures

Figure 1. Site Location.....	after page 2
------------------------------	--------------

Tables

Table 1. Subject Property Trees	2
Table 2. Public Trees.....	3
Table 3. Subject Property Trees Recommended for Removal Due to Development	4
Table 4. Minimum TPZ Distances.....	5
Table 5. List of Suggested Tree Species for Planting.....	7

Appendices

Appendix A. Limitations of Tree Assessment
Appendix B. Tree Inventory and Preservation Plan

Report Versions Issued

Version	Date	Revisions
1.	April 2021	First submission
2.	April 2022	Second submission
3.	December 2024	Third submission

1. Introduction

Beacon Environmental Limited (Beacon) has been retained by DiBlasio Homes to prepare an updated Arborist Report and Tree Inventory and Preservation Plan (TIPP) in support of a Site Plan Application for the project known as Block 21 Vintages Select, located at 6620 Rothschild Trail in the City of Mississauga, Region of Peel (herein referred to as the “subject property”). The subject property is approximately 2.29 acres (0.9287 ha) in area, and its legal description is Part of Lot 9, Concession 2, WHS. It is part of Registered Plan 43M-1710. The site is bound by the City of Mississauga Natural Area Site MV2 on the west, south, and part of the north property line.

An Arborist Report and TIPP were previously submitted in April 2021 and April 2022. This report is a revision to the original report to reflect changes in the Site Plan and Grading Plan.

This report summarizes the findings of a tree inventory and assessment of trees located on and adjacent to the subject property and provides recommendations for tree removal or preservation based on the potential to integrate trees within and adjacent to the proposed development.

The City of Mississauga requires the completion of an Arborist Report and TIPP in accordance with the City’s *Terms of Reference for Arborist Reports, Tree Inventory/Survey & Tree Preservation Plans* guidelines (2022), in support of the proposed works, and to issue a tree removal permit as necessary. The City’s guidelines and standards apply to all trees ≥ 10 cm in diameter at breast height (DBH) located on private property and trees at least 6 cm in DBH located within the City’s Road Allowance (CRA) and/or public property. This report was prepared in accordance with City of Mississauga standards and guidelines and with *Best Management Practice – Managing Trees During Construction 3rd ed.* (Matheny et al. 2023), and *ANSI A300 Tree Care Standards* (American National Standards Institute 2023).

2. Methodology

All trees measuring ≥ 10 cm diameter at breast height (DBH, measured 1.4 m above grade) within the proposed development areas, including a proposed stormwater outfall on adjacent City-owned lands, were assessed by an International Society of Arboriculture (ISA) Certified Arborist on October 13, 2015, January 21, 2019, and September 19, 2024. Trees measuring ≥ 15 cm DBH located along the edge of the woodland adjacent to the subject property were also inventoried. Inventoried trees were marked with numbered aluminum forestry tags. In addition, the dripline of woodland trees surrounding the property was staked with Credit Valley Conservation (CVC) on May 26, 2015 and was surveyed by an Ontario Land Surveyor (OLS).

The following information was collected for each tree:

- Tree species;
- DBH (cm);
- Crown Diameter (m); and
- Condition rating based on health and structure (good, fair, poor, or dead).

Trees were measured at breast height (i.e., 1.4 m from ground) and tree condition was assessed in terms of overall health and structural integrity based on indicators such as live leaves and buds, dead wood, decay, structural defects, and the presence of disease. The DBH for multi-stemmed trees that split close to ground level or below 1.4 m was determined by calculating the square root of the sum of the squared stem DBH values.

The condition of individual trees was assessed in terms of overall health and structural integrity based on indicators such as live leaves and buds, dead wood, decay, structural defects, and presence of disease. Each tree was assigned a condition rating of good, fair, poor, or dead based on the following criteria:

- **Poor** – Severe dieback, significant lean, missing leader, major defects, significant decay and/or disease presence;
- **Fair** – Moderate dieback and/or lean, limb defects, multiple stems, moderate foliage damage from stress;
- **Good** – Healthy vigorous growth, minor visible defects or damage; and
- **Dead** – No live crown.

The limitations of the assessment are detailed in **Appendix A**.

3. Results

A total of 105 individual trees were inventoried and assessed on and adjacent to the subject property. Detailed tree inventory data are presented in the tree inventory table in **Appendix B**, and the locations of the inventoried trees are shown in the TIPP (**Appendix C**).

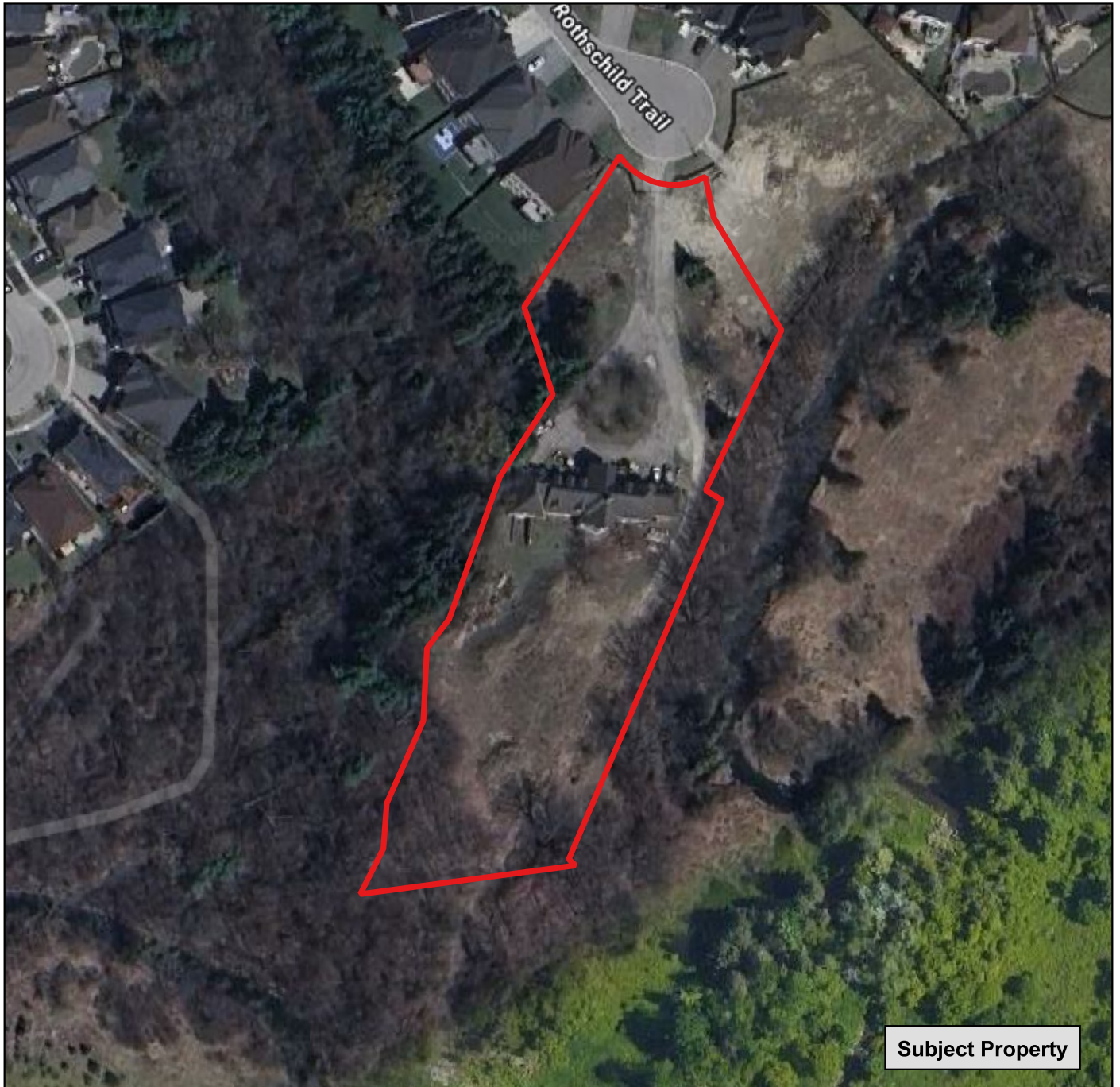
Of the 105 trees inventoried, 50 are located on the subject property, and 55 are located on the adjacent public lands (Natural Area MV2).

3.1 Subject Property Trees

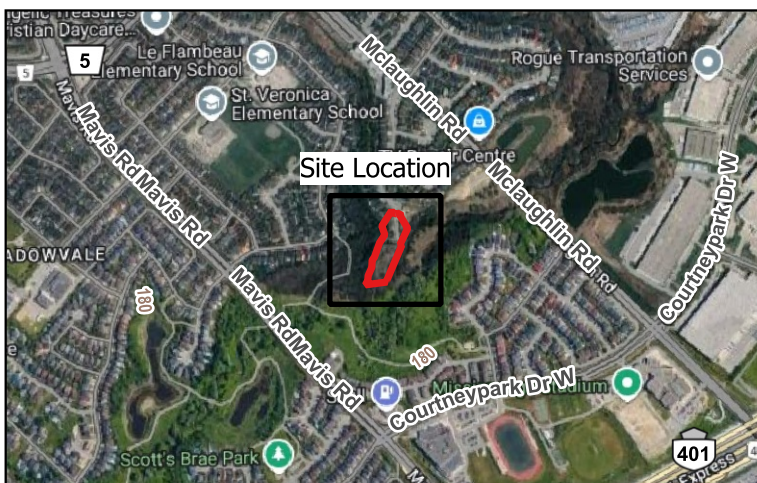
A summary of the 50 trees situated on the subject property is provided in **Table 1**.

Table 1. Subject Property Trees

Scientific Name	Common Name	Quantity
<i>Picea glauca</i>	White Spruce	17
<i>Pinus strobus</i>	Eastern White Pine	8
<i>Gleditsia triacanthos</i>	Honey Locust	8
<i>Acer negundo</i>	Manitoba Maple	5
<i>Acer platanoides</i>	Norway Maple	4
<i>Fraxinus pennsylvanica</i>	Red Ash	3
<i>Acer saccharum</i>	Sugar Maple	2



Subject Property



Site Location

Figure 1

Block 21 Vintages Arborist Report



Project: 215194
Last Revised: September 2024

Client:

Prepared by: SS
Checked by: HB



1:1,593

Inset Map: 1:20,000

Contains information licensed under the Open Government License—Ontario
Orthoimagery Baselayer: ()

Scientific Name	Common Name	Quantity
<i>Quercus macrocarpa</i>	Bur Oak	1
<i>Rhamnus cathartica</i>	European Buckthorn	1
<i>Malus baccata</i>	Siberian Crabapple	1
Total		50

3.2 Public Trees

A summary of the 55 trees situated on adjacent public lands is provided in **Table 2**.

Table 2. Public Trees

Scientific Name	Common Name	Quantity
<i>Picea glauca</i>	White Spruce	27
<i>Quercus rubra</i>	Northern Red Oak	8
<i>Quercus macrocarpa</i>	Bur Oak	5
<i>Pinus strobus</i>	Eastern White Pine	3
<i>Acer negundo</i>	Manitoba Maple	4
<i>Acer saccharum</i>	Sugar Maple	5
<i>Ulmus americana</i>	White Elm	1
<i>Prunus serotina</i>	Black Cherry	1
<i>Picea pungens</i>	Blue Spruce	1
Total		55

4. Proposed Development, Tree Preservation, and Removal

The proposed redevelopment consists of 17 townhomes with access from Rothschild Trail via a private condominium road. The redevelopment also includes a 7 m easement for the Region of Peel sanitary sewer along the south side of the subject property. The proposed condo road aligns with an existing gravel laneway over the sanitary sewer easement. Surface runoff from the proposed condominium block will be directed to a watercourse via a new stormwater outfall north of the subject property.

4.1 Trees Recommended for Removal Due to Development

A total of 33 trees are recommended for removal due to development and site alteration to accommodate the development plan and associated grading and servicing requirements.

Of the 33 trees, eight (8) are located on adjacent City-owned public lands and 25 are located on the subject property. Details of ownership can be found in **Figure TP-2 (Appendix B)**.

The eight (8) trees to be removed due to development on adjacent public lands include:

- Seven (7) White Spruce that range from 22 cm to 46 cm DBH, predominantly in fair and fair-good condition;
- One (1) Eastern White Pine measuring 53 cm DBH, in good condition;

The 25 trees to be removed due to development on the subject property are summarized in **Table 3**.

Table 3. Subject Property Trees Recommended for Removal Due to Development

Scientific Name	Common Name	Quantity
<i>Gleditsia triacanthos</i>	Honey Locust	8
<i>Picea glauca</i>	White Spruce	4
<i>Acer platanoides</i>	Norway Maple	4
<i>Pinus strobus</i>	Eastern White Pine	3
<i>Acer negundo</i>	Manitoba Maple	2
<i>Quercus macrocarpa</i>	Bur Oak	1
<i>Rhamnus cathartica</i>	European Buckthorn	1
<i>Malus baccata</i>	Siberian Crabapple	1
<i>Fraxinus pennsylvanica</i>	Green Ash	1
Total		25

Of the trees to be removed, three (3) are dead, two (2) are in poor condition, and four (4) are in fair-poor condition. The other 24 are in fair or good condition.

4.2 Trees Recommended for Preservation

A total of 72 trees are recommended for preservation, including 13 trees to be preserved with encroachment of less than 25% into the TPZ. Trees to be preserved are illustrated in the TIPP (**Appendix B**).

Please refer to **Section 5** for tree preservation specifications.

5. Tree Preservation/Construction Specifications

Any tree that does not require removal shall be protected through the establishment of a minimum TPZ. Prior to construction, tree protection hoarding is required to be installed around protected trees located a minimum distance as shown in the “TPZ” column of the tree inventory table in **Figure TP-2 (Appendix B)**, measured from the base of the tree, unless otherwise specified.

A minimum TPZ radius of 6 cm is recommended for every 1 cm of trunk diameter, as is consistent with the City of Mississauga *Tree Preservation & Protection Standards* (2019). Alternatively, if there is sufficient area, the TPZ shall be installed one metre offset from the dripline of trees to be preserved in accordance with City of Mississauga Drawing 02830-6 (**Figure TP-2, Appendix B**). The locations of tree protection barriers are shown on the TIPP (**Figure TP-1, Appendix B**).

Table 4 below outlines TPZs based on tree diameter and location.

Table 4. Minimum TPZ Distances

Trunk Diameter at Breast Height (cm)	Minimum TPZ (m)	Minimum TPZ (m) for woodlands
≤10	1.2	2.4
10-20	1.5	2.4
21-30	1.8	3.6
31-40	2.4	4.8
41-50	3.0	6.0
51-60	3.6	7.2
61-70	4.2	8.4
71-80	4.8	9.6
81-90	5.4	10.8
91-100	6.0	12
>100	6 cm per 1 cm DBH	12 cm per 1 cm DBH

The TPZ shall be demarcated with tree protection hoarding. Per City of Mississauga standards, framed hoarding is required for Municipal property and solid plywood hoarding is required for the subject property, or a suitable alternative approved by the City. See **Figure TP-1 in Appendix B** for hoarding location and details. Hoarding must be installed by the proponent and inspected by City of Mississauga Urban Forestry before any construction or site alteration takes place. The owner is responsible for ensuring that the hoarding is maintained throughout construction.

In addition to the establishment of TPZs, the following specifications are recommended:

- Before the beginning of work, the contractor shall meet with Beacon on site to review work procedures, access routes, storage areas and the TPZ or other tree protection measures;
- Tree protection fencing shall be installed and in good condition prior to the start of construction and is to be maintained in good condition throughout the duration of construction activities;

- Areas within the tree protection fencing of the trees designated for preservation are not to be used for any type of storage;
- Trees shall not have any rigging cables or hardware of any sort attached or wrapped around them, nor shall any contaminants be dumped within the protective areas or flushed where they may come into contact with the feeder roots of the trees;
- In the event that it is necessary to remove additional limbs or portions of trees, after construction has commenced, to accommodate construction, the consulting Arborist or project administrator is to be informed and the removal is to be executed carefully and in full accordance with arboricultural techniques, by or under the supervision of a qualified Arborist;
- During excavation operations in which roots are affected, the Contractor is to prune all exposed roots cleanly. Pruned root ends shall point obliquely downwards. The exposed roots should not be allowed to dry out. The Contractor shall discuss watering of the roots with the Owner and Contract Administrator prior to pruning to ensure that so that optimum soil moisture is maintained during construction and backfilling operations. Backfilling must be completed as soon as practical with clean, uncontaminated native topsoil or mulch. Directional drilling is recommended for installing infrastructure servicing within TPZs; and
- Where the access route abuts the tree protection fencing, curb shall be hand-formed to minimize root loss.

The federal *Migratory Bird Convention Act* (1994) and the provincial *Fish and Wildlife Conservation Act* (1997) protect the nests, eggs and young of most bird species from harm or destruction. Environment Canada considers the general nesting period of breeding birds in southern Ontario to be between late March and the end of August. This includes times at the beginning and end of the season when only a few species might be nesting. During the peak period of bird nesting, no vegetation clearing or disturbance to nesting bird habitat should occur (between mid-May and mid-July). In the “shoulder” seasons of April 1 to May 15, and July 16 to August 31, vegetation clearing could occur, but only after an ecologist with appropriate avian knowledge has surveyed the area to confirm an absence of nesting. If nesting is found, then vegetation clearing (in an area around the nest) must wait until nesting has concluded. From September 1 through to March 31, of any year, vegetation clearing can occur without nest surveys, but the law for nest protection applies at any time (i.e., if an active nest is known it is to be protected). Nesting habitat includes grasses, shrubs, trees, and structures.

6. Tree Replacement and Compensation

As per the City’s replacement requirements, replacement trees or cash-in-lieu are required for trees proposed for removal.

The City requires one replacement tree for every 15 cm of tree removed; therefore, 61 replacement trees are required to replace a cumulative diameter of 910 cm recommended for removal. Trees to be removed due to their condition and ash trees infested with Emerald Ash Borer were not included in this calculation.

A list of suggested native tree species that can be used as replacement trees is shown in **Table 5** below. To avoid a monoculture, a variety of trees should be used with no more than 20% of the same species for any streetscape. Replacement trees are to be 60 mm DBH minimum size for deciduous species and 1.8 m high for coniferous species.

Table 5. List of Suggested Tree Species for Planting

Scientific Name	Common Name
<i>Acer saccharum</i>	Sugar Maple
<i>Amelanchier laevis</i>	Smooth Serviceberry
<i>Carya ovata</i>	Shagbark Hickory
<i>Ostrya virginiana</i>	Eastern Hop-hornbeam
<i>Picea glauca</i>	White Spruce
<i>Pinus strobus</i>	Eastern White Pine
<i>Quercus alba</i>	White Oak
<i>Quercus macrocarpa</i>	Bur Oak
<i>Quercus rubra</i>	Red Oak
<i>Tilia americana</i>	Basswood

7. Summary

Beacon was retained by DiBlasio Homes to undertake an updated Arborist Report and TIPP in connection with the proposed residential re-development of the property located at 6620 Rothschild Trail in the City of Mississauga.

A total of 105 trees were inventoried and assessed within and adjacent to the subject property. Of these 105 trees, 50 are located on the subject property and 55 are located on adjacent City lands (Natural Area MV2).

A total of 33 trees are recommended for removal to accommodate the updated proposed redevelopment, including grading and servicing.

A total of 72 trees are recommended for preservation and will be protected using the mitigation and arboricultural best management practices recommended in this report.

A total of 61 replacement trees are required to replace a cumulative total of 910 cm recommended for removal to accommodate the updated proposed works.

Should you have any comments regarding the arborist report, please contact the undersigned at dwesterhof@beaconenviro.com or 548-761-3839.

Report prepared by:
Beacon Environmental Ltd.



Holly Barsoum
ISA Certified Arborist (ON-2506A)

Report reviewed by:
Beacon Environmental Ltd.



Dan Westerhof, B.Sc., M.E.S.
Senior Terrestrial Ecologist
ISA Certified Arborist

8. References

American National Standards Institute. 2023.
ANSI A300 Tree Care Standards

City of Mississauga. 2015.
Page Wire Hoarding Detail 0230-4. October 2015.

City of Mississauga. 2019.
Tree Preservation & Protection Standards. July 2019.

City of Mississauga. 2022.
Terms of Reference: Arborist Reports, Tree Inventory/Survey & Tree Preservation Plans.
September 2022.

City of Mississauga. 2022.
Private Tree By-law 0021-2022.

Council of Tree & Landscape Appraisers. 2000.
Guide for Plant Appraisal, 9th Edition. International Society of Arboriculture, Champaign, Illinois.

Government of Canada. 1994.
Migratory Birds Convention Act, 1994 (S.C. 1994, c.22).

Government of Ontario. 1997.
Fish and Wildlife Conservation Act, 1997 (S.O. 1997, c.41).

Matheny, N., Smiley, E. T., Gilpin, R., & Hauer, R. (2023).
Best Management Practices - Managing Trees During Construction (3rd ed.). Champaign,
Illinois, International Society of Arboriculture.

SKIRA & Associated Ltd. 2024.
Erosion and Sediment Control Plan DWG No. C103.

SKIRA & Associated Ltd. 2024.
Site Grading Plan DWG No. C102.

Appendix A



Limitations of Tree Assessment

Appendix A

Limitations of Tree Assessment

It is the policy of Beacon Environmental Limited to attach the following clause regarding limitations of the tree assessment. The intent is to ensure that the client is aware of what is technically and professionally realistic in assessing and/or retaining trees.

The assessment of the trees presented in this report has been made using accepted arboricultural techniques. These techniques include a visual examination of the above-ground parts of each tree for structural defects, scars, external indications of decay such as fungal fruiting bodies, evidence of insect attack, crown dieback, discoloured foliage, the condition of any visible root structures, the degree and direction of lean (if any), the general condition of the tree(s) and the surrounding site, and the proximity of property and people. Except where specifically noted in the report, none of the trees examined were dissected, cored, probed, or climbed, and detailed root crown examinations involving excavation were not undertaken.

Notwithstanding the recommendations and conclusions made in this report, it must be recognized that trees are living organisms and their health and vigour constantly change over time. They are not immune to changes in site conditions, pests, or variations in the weather conditions including severe storms with high-speed winds. Furthermore, some symptoms may only be visible seasonally; the extent of observations that can be made may be limited by the time of year in which the inspection took place.

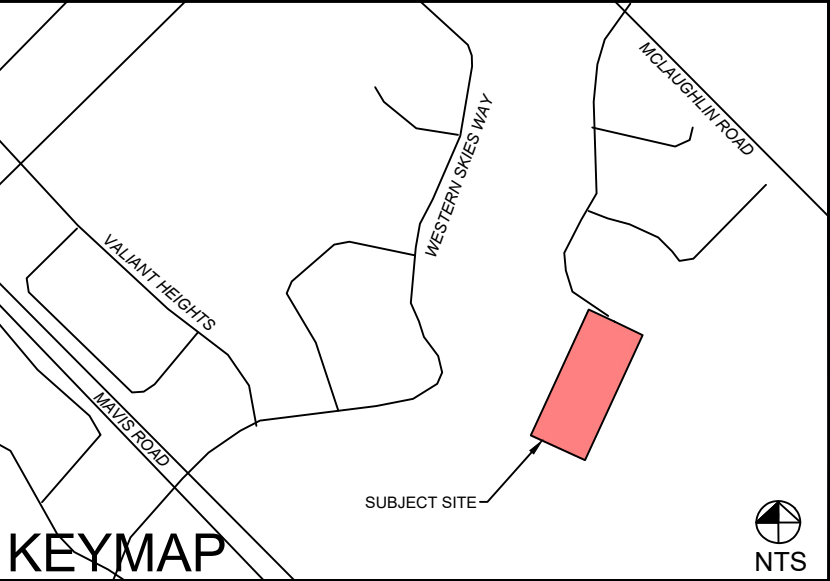
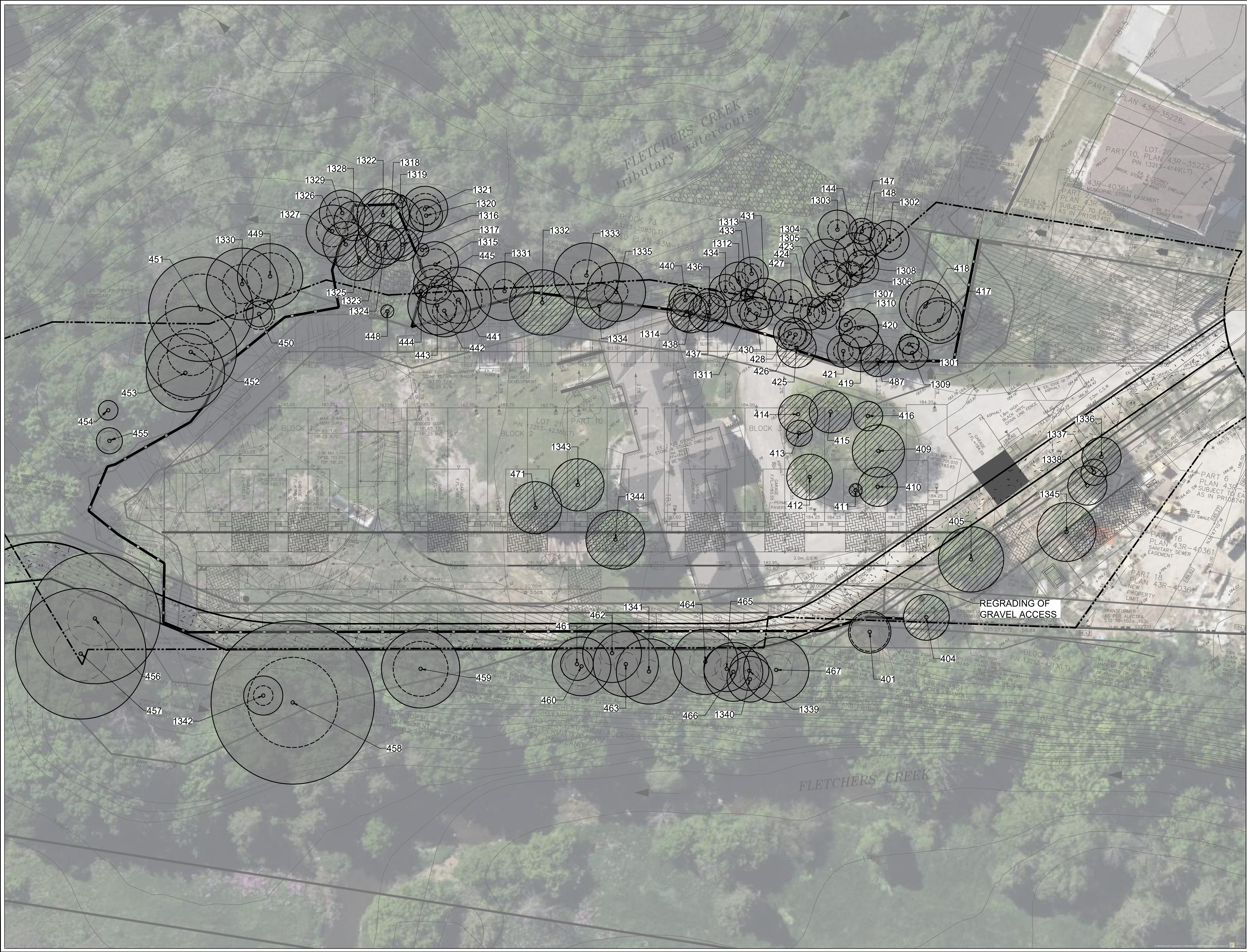
While reasonable efforts have been made to ensure that the trees recommended for retention are healthy unless stated otherwise within the report, no warranty or guarantees are offered, or implied, that these trees, or any parts of them, will have continued health or structure as noted in the report. It is both professionally and practically impossible to predict with absolute certainty the behaviour of any single tree or group of trees or their component parts in all circumstances. Inevitably, a standing tree will always pose some risk. Most trees have the potential for failure if provided with the necessary combinations of stresses and elements. This risk can only be eliminated if the tree is removed.

Although every effort has been made to ensure that this assessment is reasonably accurate, it is recommended that trees be re-assessed periodically to identify changes in condition. Design or site plan changes may also necessitate re-assessment and/or revisions to this report. **The assessment presented in this report is valid at the time of the inspection and is intended for sole use of the client.** Any use of this report by a third party, and any decision based on this report, is the singular responsibility of the third party.

Appendix B



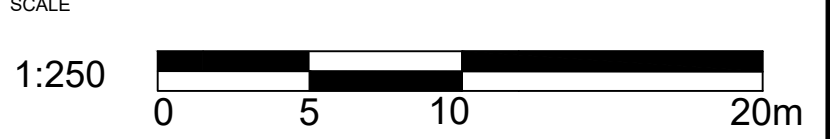
Tree Inventory and Preservation Plan



- LEGEND**
- Property Boundary
 - Tree Preservation Fence
 - Proposed Straw Bale Reinforced Double Silt Fence (Refer to SKIRA & Assoc. Ltd. DWG No. C103)
 - 1678 Tree Tag
 - Tree Crown
 - Minimum Tree Protection Zone
 - Tree Location
 - Tree to be Preserved
 - Tree to be Removed due to Condition
 - Tree to be Removed due to Development

Notes: Scale shown is for an 36" x 24" page.
For illustrative purposes. Do not scale

NO	REVISIONS	DATE	BY
6			
5			
4			
3			
2			
1	COMMENT	XXXX/XXXX	XX



BEACON ENVIRONMENTAL

MARKHAM OFFICE
80 MAIN ST NORTH
MARKHAM, ON L3P 1X5

T) 905-201-7622
F) 905-201-0639
www.beaconenviro.com

CLIENT
DIBLASIO HOMES

PROJECT
BLOCK 21 VINTAGES

SHEET TITLE
TREE INVENTORY AND PRESERVATION PLAN

DESIGN BY:	---	PROJECT NO:	215194
DRAWN BY:	MB	FIGURE NO:	TP-1
CHECKED BY:	DW		
DATE:	28 November 2024		

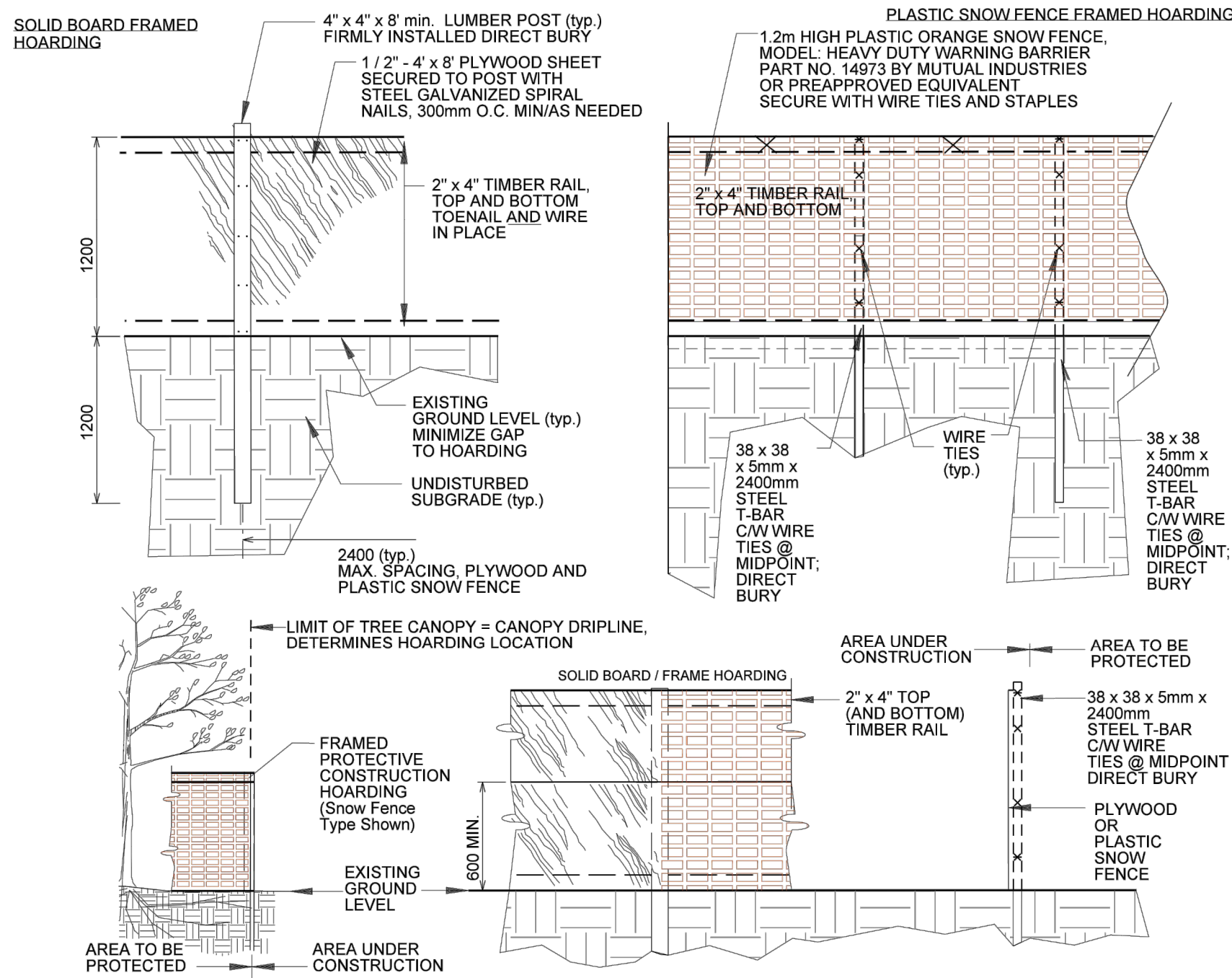
TREE INVENTORY TABLE

Tree No.	Scientific Name	Common Name	DBH (cm)	Crown Diameter (m)	Condition	Comments	Ownership	TPZ Radius (m)	Recommendation
144	<i>Picea glauca</i>	White Spruce	30	6.5	Fair	Smothered in grapevines. Good form.	City (Public Natural Area MV2)	1.8	Preserve
147	<i>Picea glauca</i>	White Spruce	20	4	Poor-Fair	Smothered in grapevines. Dieback and thinning.	City (Public Natural Area MV2)	1.5	Preserve
148	<i>Picea glauca</i>	White Spruce	25	5	Poor-Fair	Smothered in grapevines. Dieback and thinning.	City (Public Natural Area MV2)	1.8	Preserve
401	<i>Picea pungens</i>	White Spruce	48	6.5	Fair	Good form. Tip dieback.	City (Public Natural Area MV2)	3.0	Preserve (with injury)
404	<i>Acer platanoides</i>	Norway Maple	30	7	Poor	Dieback and thinning. Decay on south side of trunk.	Subject Property	N/A	Remove Due to Development
405	<i>Gleditsia inaequalis</i>	Honey Locust	47	10	Fair-Good	Good form and vigour. Construction activity and materials inside TPZ.	Subject Property	N/A	Remove Due to Development
409	<i>Gleditsia inaequalis</i>	Honey Locust	39	8	Good	Good form and vigour.	Subject Property	N/A	Remove Due to Development
410	<i>Gleditsia inaequalis</i>	Honey Locust	16	6	Good	Good form and vigour.	Subject Property	N/A	Remove Due to Development
411	<i>Gleditsia inaequalis</i>	Honey Locust	15	N/A	Dead	Standing snag.	Subject Property	N/A	Preserve
412	<i>Gleditsia inaequalis</i>	Honey Locust	29	7	Good	Good form and vigour.	Subject Property	N/A	Remove Due to Development
413	<i>Melus baccata</i>	Siberian Crabapple	26	4	Poor-Fair	Dieback and thinning. Epicormic shoots along trunk.	Subject Property	N/A	Remove Due to Development
414	<i>Gleditsia inaequalis</i>	Honey Locust	25	6	Good	Good form and vigour. Signs of construction activities within TPZ.	Subject Property	N/A	Remove Due to Development
415	<i>Gleditsia inaequalis</i>	Honey Locust	24	6.5	Good	Good form and vigour.	Subject Property	N/A	Remove Due to Development
416	<i>Gleditsia inaequalis</i>	Honey Locust	15	4.5	Good	Good form and vigour.	Subject Property	N/A	Remove Due to Development
417	<i>Picea glauca</i>	White Spruce	45	7	Fair	Smothered in grapevines. Construction activity and debris on north side of trunk. Good form.	Subject Property	3.0	Preserve
418	<i>Picea glauca</i>	White Spruce	44	8	Fair	Smothered in grapevines. Good form.	Subject Property	3.0	Preserve
419	<i>Picea glauca</i>	White Spruce	25	7	Fair-Good	Some grapevines throughout canopy. Good form and vigour.	Subject Property	1.8	Preserve
420	<i>Pinus strobus</i>	Eastern White Pine	40	6	Fair-Good	Some grapevines throughout canopy. Good form and vigour.	Subject Property	3.0	Preserve
421	<i>Pinus strobus</i>	Eastern White Pine	19	5	Fair	Smothered in grapevines.	Subject Property	1.5	Preserve (with injury)
423	<i>Pinus strobus</i>	Eastern White Pine	16	5	Fair	Smothered in grapevines.	Subject Property	1.5	Preserve
424	<i>Pinus strobus</i>	Eastern White Pine	15	5	Poor-Fair	Dieback and thinning.	Subject Property	1.5	Preserve
425	<i>Picea glauca</i>	White Spruce	34	6	Poor-Fair	Co-dominate stems. Suppressed by neighbouring trees. Girdling by rope tied near base. Construction equipment inside TPZ.	Subject Property	N/A	Remove Due to Development
426	<i>Picea glauca</i>	White Spruce	16, 17 (23)	5	Poor-Fair	Co-dominate stems. Suppressed by neighbouring trees. Mechanical damage on east side of smaller trunk. Construction equipment inside TPZ.	Subject Property	1.8	Preserve (with injury)
427	<i>Picea glauca</i>	White Spruce	22	6.5	Fair-Good	Good form and vigour. Slightly suppressed by neighbouring trees.	City (Public Natural Area MV2)	1.8	Preserve
428	<i>Picea glauca</i>	White Spruce	24	5	Fair-Good	Good form and vigour. Slightly suppressed by neighbouring trees.	Subject Property	1.8	Preserve (with injury)
430	<i>Picea glauca</i>	White Spruce	25	5	Fair-Good	Good form and vigour. Slightly suppressed by neighbouring trees and vines. Construction equipment inside TPZ.	Subject Property	1.8	Preserve
431	<i>Pinus strobus</i>	Eastern White Pine	21	6	Fair-Good	Good form and vigour. Slightly suppressed by neighbouring trees and vines.	City (Public Natural Area MV2)	1.8	Preserve
433	<i>Picea glauca</i>	White Spruce	21	N/A	Dead	Standing snag.	City (Public Natural Area MV2)	1.8	Preserve
434	<i>Pinus strobus</i>	Eastern White Pine	20	5	Fair	Good form. Suppressed by neighbouring trees and vines.	City (Public Natural Area MV2)	1.5	Preserve
436	<i>Picea glauca</i>	White Spruce	20	5	Poor	Smothered in grapevines. Dieback and thinning.	Subject Property	1.5	Preserve
437	<i>Pinus strobus</i>	Eastern White Pine	38	6	Fair	Good form. Suppressed by neighbouring trees. Construction equipment inside TPZ. Metal frame screwed into tree trunk.	Subject Property	N/A	Remove Due to Development
438	<i>Pinus strobus</i>	Eastern White Pine	23	6	Fair-Good	Good form and vigour. Slightly suppressed by neighbouring trees.	Subject Property	N/A	Remove Due to Development
440	<i>Pinus strobus</i>	Eastern White Pine	28	5	Fair	Good form. Suppressed by neighbouring trees.	Subject Property	1.8	Preserve
441	<i>Picea glauca</i>	Blue Spruce	53	10	Poor-Fair	Dieback and thinning. Suppressed by neighbouring trees and vines.	Subject Property	3.6	Preserve (with injury)
442	<i>Picea glauca</i>	White Spruce	28	8	Poor-Fair	Dieback and thinning. Suppressed by neighbouring trees and vines.	Subject Property	1.8	Preserve (with injury)
443	<i>Picea glauca</i>	White Spruce	42	9	Poor	Dieback and thinning. Suppressed by neighbouring trees and vines.	Subject Property	3.0	Preserve (with injury)
444	<i>Picea glauca</i>	White Spruce	45	N/A	Dead	Standing snag.	City (Public Natural Area MV2)	N/A	Remove due to Development
445	<i>Picea glauca</i>	White Spruce	38	6	Fair	Good form. Smothered by grapevines.	City (Public Natural Area MV2)	2.4	Preserve
448	<i>Fraxinus pennsylvanica</i>	Green Ash	23	N/A	Dead	Standing snag.	Subject Property	N/A	Remove Due to Development
449	<i>Quercus rubra</i>	Northern Red Oak	53	10	Good	Good form and vigour. Growing on slight lean to the east.	City (Public Natural Area MV2)	3.6	Preserve (with injury)
450	<i>Fraxinus pennsylvanica</i>	Green Ash	34	4	Poor	Nearly dead.	Subject Property	2.4	Preserve
451	<i>Acer saccharum</i>	Sugar Maple	83	16	Good	Good form and vigour.	City (Public Natural Area MV2)	5.4	Preserve (with injury)
452	<i>Acer saccharum</i>	Sugar Maple	58	14	Good	Good form and vigour.	Subject Property	3.6	Preserve
453	<i>Acer saccharum</i>	Sugar Maple	62	12	Good	Good form and vigour.	Subject Property	4.2	Preserve
454	<i>Ulmus americana</i>	White Elm	18	3	Poor	Smothered in grapevines. Dieback and thinning.	City (Public Natural Area MV2)	1.5	Preserve
455	<i>Acer saccharum</i>	Sugar Maple	17	5	Fair-Good	Good form and vigour. Slightly suppressed by neighbouring trees.	City (Public Natural Area MV2)	1.5	Preserve
456	<i>Acer saccharum</i>	Sugar Maple	72, 71 (101)	20	Poor	Large open wound on stem with significant decay. Dieback and thinning.	City (Public Natural Area MV2)	6.0	Preserve
457	<i>Acer saccharum</i>	Sugar Maple	68	20	Fair-Good	Good form and vigour. Slightly suppressed by neighbouring trees.	City (Public Natural Area MV2)	4.2	Preserve
458	<i>Acer saccharum</i>	Sugar Maple	115	25	Good	Healthy mature tree. Good root flare and branching structure. No major defects observed.	City (Public Natural Area MV2)	6.9	Preserve
459	<i>Quercus rubra</i>	Northern Red Oak	70	12	Fair	Good form. Some dieback and thinning.	City (Public Natural Area MV2)	4.2	Preserve (with injury)
460	<i>Quercus rubra</i>	Northern Red Oak	43	9	Fair-Good	Good form. Minor dieback.	City (Public Natural Area MV2)	3.0	Preserve
461	<i>Quercus macrocarpa</i>	Bur Oak	24	5	Fair	Suppressed by neighbouring trees.	City (Public Natural Area MV2)	1.8	Preserve
462	<i>Quercus rubra</i>	Northern Red Oak	28	9	Good	Good form and vigour.	City (Public Natural Area MV2)	2.4	Preserve
463	<i>Quercus rubra</i>	Northern Red Oak	28	10	Good	Good form and vigour.	City (Public Natural Area MV2)	1.8	Preserve
464	<i>Quercus macrocarpa</i>	Bur Oak	33	10	Fair-Good	Good form and vigour. Sapsucker holes along trunk.	City (Public Natural Area MV2)	2.4	Preserve
465	<i>Quercus macrocarpa</i>	Bur Oak	22	7	Fair-Good	Good form. Minor dieback and thinning.	City (Public Natural Area MV2)	1.8	Preserve
466	<i>Quercus rubra</i>	Northern Red Oak	24	9	Good	Good form and vigour.	City (Public Natural Area MV2)	1.8	Preserve
467	<i>Quercus macrocarpa</i>	Bur Oak	33	10	Fair	Good form. Epicormic shoots along trunk. Minor thinning.	City (Public Natural Area MV2)	2.4	Preserve
471	<i>Acer platanoides</i>	Norway Maple	33	8	Fair-Good	Good form and vigour. Minor tarpot. Construction activity inside TPZ.	Subject Property	N/A	Remove Due to Development
487	<i>Rhamnus cathartica</i>	European Buckthorn	21	5	Poor-Fair	Smothered in grapevines. Dieback and thinning.	Subject Property	N/A	Remove Due to Development
1301	<i>Fraxinus pennsylvanica</i>	Green Ash	17	3	Poor	Nearly dead. Infested with EAB.	Subject Property	1.5	Preserve
1302	<i>Picea glauca</i>	White Spruce	28	6	Fair	Smothered in grapevines. Good form.	City (Public Natural Area MV2)	1.8	Preserve
1303	<i>Picea glauca</i>	White Spruce	20	6	Poor-Fair	Smothered in grapevines. Dieback and thinning.	City (Public Natural Area MV2)	1.5	Preserve
1304	<i>Acer negundo</i>	Manitoba Maple	23	7	Fair	Good vigour. Growing horizontally towards the west.	City (Public Natural Area MV2)	1.8	Preserve
1305	<i>Picea glauca</i>	White Spruce	32	6	Poor-Fair	Smothered in grapevines. Dieback and thinning.	City (Public Natural Area MV2)	2.4	Preserve
1306	<i>Picea glauca</i>	White Spruce	22	4	Poor-Fair	Smothered in grapevines. Dieback and thinning.	City (Public Natural Area MV2)	1.8	Preserve
1307	<i>Picea glauca</i>	White Spruce	31	N/A	Dead	Standing snag.	Subject Property	2.4	Preserve
1308	<i>Picea glauca</i>	White Spruce	28	5	Poor	Smothered in grapevines. Dieback and thinning.	City (Public Natural Area MV2)	1.8	Preserve
1309	<i>Acer negundo</i>	Manitoba Maple	15	5	Fair	Good vigour. Mechanical wounds down east side of trunk.	Subject Property	1.5	Preserve
1310	<i>Picea glauca</i>	White Spruce	15	N/A	Dead	Standing snag.	Subject Property	1.5	Preserve
1311	<i>Picea glauca</i>	White Spruce	16, 15 (22)	6	Fair	Good vigour. Slightly suppressed by neighbouring trees and vines. Co-dominate stems. Mechanical damage on east side of trunk. Construction equipment inside TPZ.	Subject Property	1.8	Preserve
1312	<i>Acer negundo</i>	Manitoba Maple	15	6	Fair-Good	Good vigour. Slight lean to the west.	City (Public Natural Area MV2)	1.5	Preserve
1313	<i>Acer negundo</i>	Manitoba Maple	16	5	Good	Good form and vigour.	City (Public Natural Area MV2)	1.5	Preserve
1314	<i>Pinus strobus</i>	Eastern White Pine	27	6	Poor-Fair	Dieback and yellowing foliage. Construction equipment inside TPZ. Metal frame nailed into tree trunk. Signs of decay around nails.	Subject Property	N/A	Remove Due to Development
1315	<i>Picea glauca</i>	White Spruce	35	7	Fair	Good form. Slightly suppressed by neighbouring trees and vines.	City (Public Natural Area MV2)	2.4	Preserve (with injury)
1316	<i>Picea glauca</i>	White Spruce	22	5	Poor	Dieback and thinning.	City (Public Natural Area MV2)	N/A	Remove Due to Development
1317	<i>Picea glauca</i>	White Spruce	25	N/A	Dead	Standing snag.	City (Public Natural Area MV2)	1.8	Preserve
1318	<i>Pinus strobus</i>	Eastern White Pine	53	10	Good	Good form and vigour.	City (Public Natural Area MV2)	N/A	Remove Due to Development
1319	<i>Picea glauca</i>	White Spruce	16, 14 (21)	N/A	Dead	Standing snag.	City (Public Natural Area MV2)	2.4	Preserve
1320	<i>Picea glauca</i>	White Spruce	19	5	Fair	Minor dieback and thinning.	City (Public Natural Area MV2)	1.5	Preserve
1321	<i>Picea glauca</i>	White Spruce	38	7	Fair	Minor dieback and thinning.	City (Public Natural Area MV2)	2.4	Preserve

1322	<i>Picea glauca</i>	White Spruce	46	8	Fair-Good	Good form and vigour.	City (Public Natural Area MV2)	N/A	Remove Due to Development
1323	<i>Picea glauca</i>	White Spruce	28	7	Fair-Good	Good form. Minor thinning.	City (Public Natural Area MV2)	N/A	Remove Due to Development
1324	<i>Picea glauca</i>	White Spruce	29	6	Fair	Good form. Minor thinning.	City (Public Natural Area MV2)	N/A	Remove Due to Development
1325	<i>Picea glauca</i>	White Spruce	35	7	Fair	Good form. Minor thinning. Slightly suppressed by neighbouring trees.	City (Public Natural Area MV2)	N/A	Remove Due to Development
1326	<i>Picea glauca</i>	White Spruce	38	7	Fair-Good	Good form. Minor thinning. Slightly suppressed by neighbouring trees.	City (Public Natural Area MV2)	N/A	Remove Due to Development
1327	<i>Picea glauca</i>	White Spruce	38	8	Fair-Good	Good form. Minor thinning. Slightly suppressed by neighbouring trees.	City (Public Natural Area MV2)	2.4	Preserve
1328	<i>Picea glauca</i>	White Spruce	28	6	Fair	Good form. Minor thinning. Slightly suppressed by neighbouring trees.	City (Public Natural Area MV2)	2.4	Preserve
1329	<i>Picea glauca</i>	White Spruce	46	7	Fair	Good form. Suppressed by neighbouring trees and vines.	City (Public Natural Area MV2)	N/A	Preserve
1330	<i>Quercus rubra</i>	Northern Red Oak	50	11	Good	Good form and vigour.	City (Public Natural Area MV2)	3.0	Preserve
1331	<i>Acer negundo</i>	Manitoba Maple	21	9	Good	Good form and vigour.	Subject Property	1.8	Preserve (with injury)
1332	<i>Acer negundo</i>	Manitoba Maple	38	10	Fair	Good vigour. Growing horizontally towards the east.	Subject Property	N/A	Remove Due to Development
1333	<i>Picea glauca</i>	White Spruce	38	10	Poor	Dieback and thinning. Suppressed by neighbouring trees and vines.	City (Public Natural Area MV2)	2.4	Preserve (with injury)
1334	<i>Acer negundo</i>	Manitoba Maple	21	7	Fair	Lean to the south. Suppressed by neighbouring trees and vines.	Subject Property	N/A	Remove Due to Development
1335	<i>Acer negundo</i>	Manitoba Maple	22	9	Fair	Good vigour. Heavy lean to the east.	Subject Property	1.8	Preserve
1336	<i>Picea glauca</i>	White Spruce	26	6	Fair-Good	Good form and vigour. Construction activity and root damage inside the TPZ.	Subject Property	N/A	Remove Due to Development
1337	<i>Picea glauca</i>	White Spruce	19	4	Fair	Good form and vigour. Construction activity and root damage inside the TPZ. Suppressed by neighbouring trees.	Subject Property	N/A	Remove Due to Development
1338	<i>Picea glauca</i>	White Spruce	26	6	Fair	Good form and vigour. Construction activity and root damage inside the TPZ. Mechanical damage on north side of trunk.	Subject Property	N/A	Remove Due to Development
1339	<i>Acer negundo</i>	Manitoba Maple	10, 11, 10, 8 (19)	6	Fair-Good	Good vigour. Co-dominate stems.	City (Public Natural Area MV2)	1.5	Preserve
1340	<i>Quercus macrocarpa</i>	Bur Oak	18	7	Fair	Good form. Dieback and thinning.	City (Public Natural Area MV2)	1.5	Preserve
1341	<i>Quercus rubra</i>	Northern Red Oak	28	10	Fair-Good	Good form and vigour. Girdling root on south side.	City (Public Natural Area MV2)	1.8	Preserve
1342	<i>Prunus serotina</i>	Black Cherry	15	6	Poor-Fair	Suppressed by neighbouring trees and vines.	City (Public Natural Area MV2)	1.5	Preserve
1343	<i>Acer platanoides</i>	Norway Maple	39	8	Fair	Tree appears to have been previously topped. Good vigour. Construction activity inside TPZ. Construction sign nailed to trunk. Mechanical damage on north side of trunk.	Subject Property	N/A	Remove Due to Development
1344	<i>Acer platanoides</i>	Norway Maple	43	9	Fair	Good form vigour. Construction activity and materials inside TPZ. Construction sign nailed to trunk. Mechanical damage on north side of trunk.	Subject Property	N/A	Remove Due to Development
1345	<i>Quercus macrocarpa</i>	Bur Oak	17	9	Fair	Good form. Dieback and thinning.	Subject Property	N/A	Remove Due to Development

02830-6

Hoarding
Framed Protective Construction Hoarding
Solid Board- Plastic Snow Fence

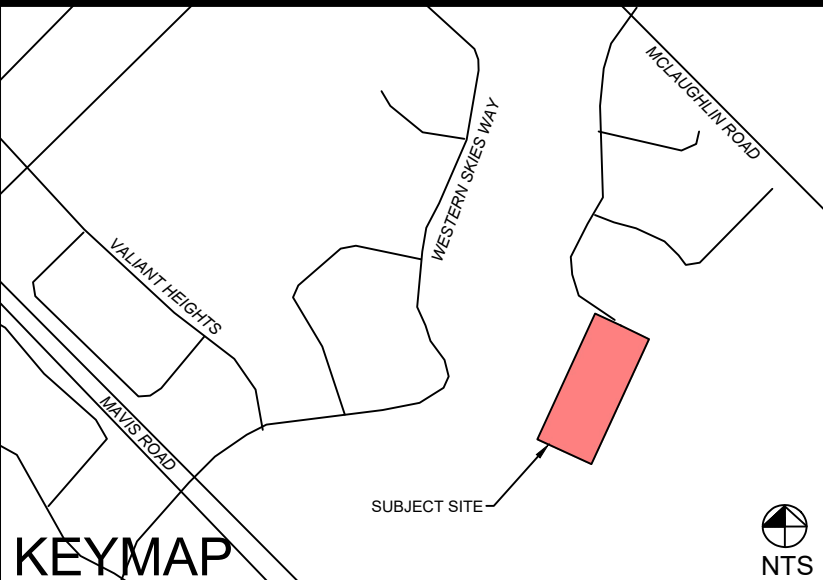


- NOTES:
- HOARDING LOCATION AS PER DRAWINGS. HOARDING INSTALLATIONS ARE TO INCLUDE WOVEN GEOTEXTILE FABRIC FOR SEDIMENT CONTROL.
 - NO MOBILIZATION OR CONSTRUCTION WORK TO OCCUR UNTIL HOARDING HAS BEEN INSPECTED AND APPROVED BY COMMUNITY SERVICES PROJECT MANAGER (CSPM). CONTRACTOR TO ARRANGE FOR A HOARDING INSPECTION WITH (CSPM). 48 HOUR NOTICE REQUIRED.
 - HOARDING TO BE SUPPLIED, INSTALLED AND MAINTAINED BY THE CONTRACTOR THROUGH ALL PHASES OF WORK ON SITE.
 - THE CONTRACTOR IS TO REMOVE AND DISPOSE THE HOARDING OFF SITE WHEN DIRECTED BY THE (CSPM).
 - ALL WOOD PRODUCTS TO BE NEW AND LUMBER KILN DRIED SPF.
 - ALL FASTENERS TO BE NEW GALVANIZED STEEL AND SECURELY INSTALLED. WIRE TIES MIN 3.5mm DIA. GALVANIZED STEEL.
 - DO NOT ALLOW WATER TO COLLECT AND/OR POND ON EITHER SIDE OF THE HOARDING.
 - WHEN INSTALLING DIRECT BURY TIMBER POSTS AND T-BARS, TAKE CARE TO AVOID VISIBLE AND ASCERTAINABLE TREE ROOTS.
 - PLACE HOARDING AT LIMIT OF TREE CANOPY DRIP LINE OR BEYOND (E.G. FURTHER AWAY FROM TRUNK) OF TREE.
 - HOARDED OFF AREA TO REMAIN UNDISTURBED. NO STOCKPILING, STAGING OR MOVEMENT OF VEHICLES TO OCCUR WITHIN PROTECTED AREA.
 - FOR PROTECTION OF TREE'S AND ROOT SYSTEM, CONTRACTOR MAY BE REQUIRED TO PROVIDE WATERING, MULCHING, FERTILIZING, PRUNING OR OTHER ACTIVITIES TO ENSURE THE HEALTH OF THE TREE(S).
 - ALL MEASUREMENTS IN MILLIMETRES UNLESS NOTED OTHERWISE (E.G. DIMENSIONAL LUMBER).
 - CONTRACTOR RESPONSIBLE FOR LOCATES

N.T.S.

Detail: 02830-6

ORIGINAL DATE: Mar 08/18
REVISION DATE: Mar 08/18



LEGEND

Notes: Scale shown is for a 36" x 24" page.
For illustrative purposes. Do not scale

Nº	REVISIONS	DATE:	BY:
6			
5			
4			
3			
2			
1	COMMENT	xxxx/xx/xx	xx

SCALE

NORTH ARROW



Holly Barstow
#ON-2506A



MARKHAM OFFICE
80 MAIN ST NORTH
MARKHAM, ON L3P 1X5

T) 905-201-7622
F) 905-201-0639
www.beaconenviro.com

CLIENT

DIBLASIO HOMES

PROJECT

BLOCK 21 VINTAGES

SHEET TITLE

TREE INVENTORY AND
PRESERVATION PLAN

DESIGN BY: -- PROJECT Nº: 215194

DRAWN BY: MB FIGURE Nº:

CHECKED BY: DW

DATE: 28 November 2024

TP-2