



Lakeshore Tree Services Inc.

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ARBORIST REPORT & TREE PROTECTION PLAN

Attention:

**Tree Protection & Plan Review
City Hall, 1st Floor, Permit Alley
100 Queen Street West
Toronto, Ontario M5H 2N1**

Project Address:

**23 Strathearn Boulevard
Toronto, ON
M5P 1S8**

Prepared by:

**Lakeshore Tree Services Inc.
Sebastian Bravo
James Dubrovskis**

Report created: 03 February 2023

**ARBORIST REPORT &
TREE PROTECTION PLAN
23 STRATHEARN BOULEVARD, (WARD 12)
TORONTO, ON M5P 1S8**

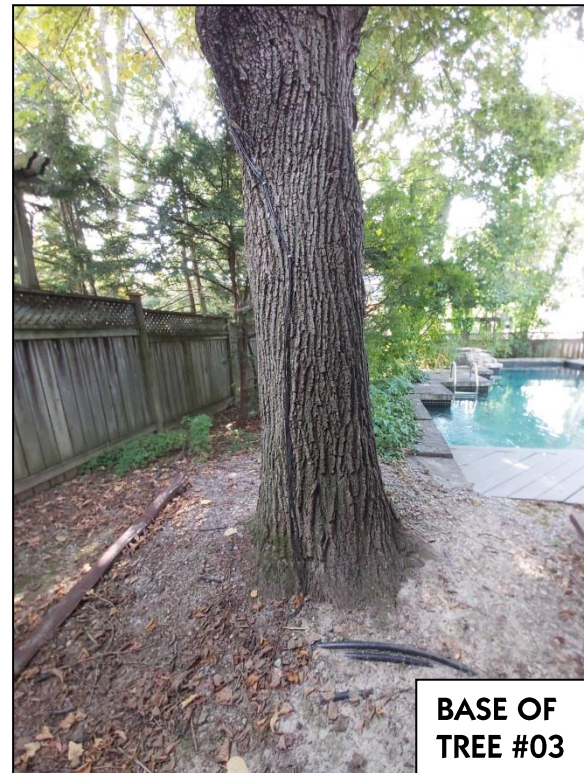
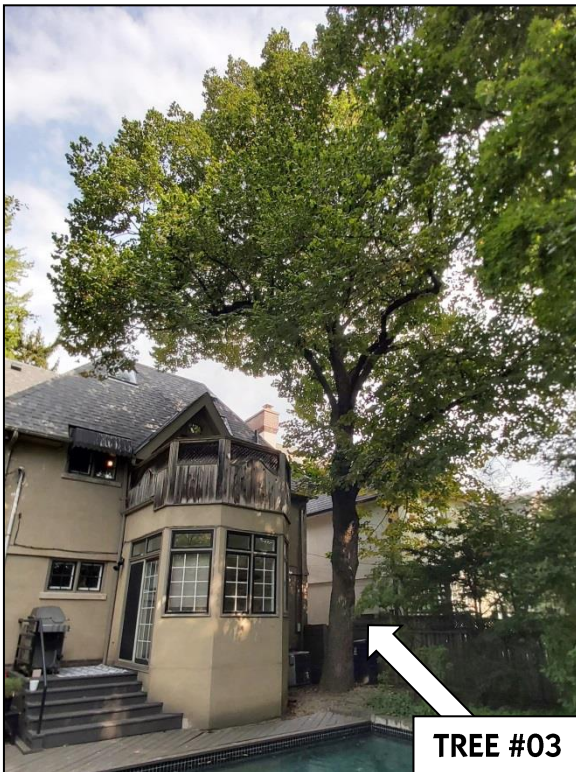
Lakeshore Tree Services Inc. has been retained to prepare this Arborist Report and Tree Protection Plan for the property at 23 Strathearn Boulevard Toronto, Ontario, Ward 12: Toronto - St. Paul's. The tree assessment was completed on the 16th of September 2022 according to the requirements set forth by Toronto Urban Forestry.

The purpose of this report is to inventory and assess trees $\geq 30\text{cm}$ Dia. on the subject property, within 6m of the proposed construction and any trees in the city road allowance and parkland adjacent to the property. None of the property falls within the jurisdiction of the City of Toronto's Ravine Protection Bylaw.

My client is proposing the demolition of the existing dwelling at this time. As a result of the proposed demolition works, my client will require permission to injure one (1) city-owned tree, as well as permission to remove one (1) privately-owned tree as well. An application to injure these trees will have to be submitted to Toronto Urban Forestry (TUF). Please see body of report for additional details.

Lastly, in order to facilitate the proposed demolition, my client may wish to exercise their option of removing other smaller trees and vegetation located on the subject private property. These trees are all under 30cm in Diameter, therefore no permits or compensation plantings are required for their removal and these trees are not subject to protection during the proposed works.

Tree protection hoarding/fencing should be installed prior to any demolition or construction activities as outlined on sheets T1-T3.

PRIVATELY OWNED TREE TO BE INJURED**Tree #03 Little Leaf Linden (62cm dia.) – Permit Required**

Tree #03, a 62cm dia. Little Leaf Linden (*Tilia cordata*), is a privately-owned deciduous tree growing at the back of the subject property at 23 Strathearn Boulevard.

Tree #03 is growing close to my client's existing dwelling. The canopy of this tree is considered to be asymmetrical. Overall this tree is considered to be suppressed by the adjacent dwelling.

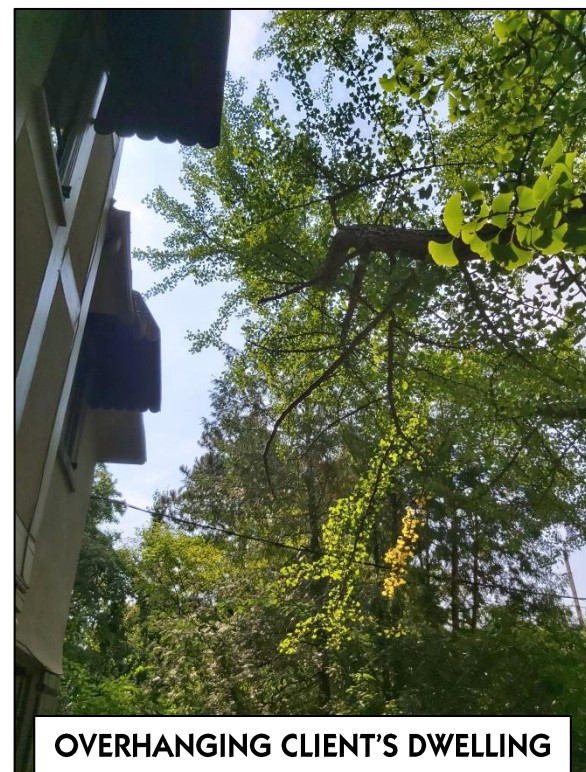
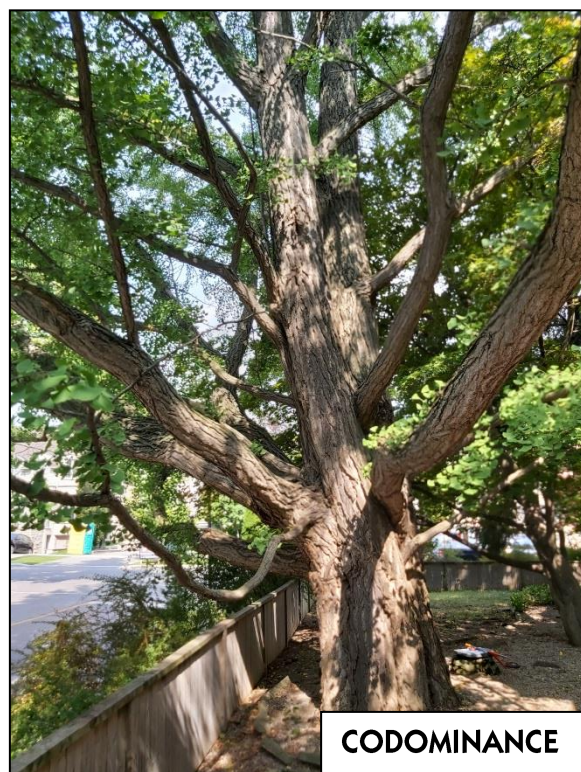
Due to this tree being located in close proximity to the proposed demolition works, my client would like permission to injure this tree at this time. Therefore, an application to injure this tree will have to be submitted to Toronto Urban Forestry.

It is important to note that there is minimal impact proposed to the soft landscaping adjacent to the proposed dwelling within the TPZ. Lakeshore Tree Services Inc. recommends that this work be done utilizing hand tools wherever possible and that the work be undertaken under arborist supervision. During the majority of the construction and demolition activities, this tree will be protected with 1.2m high plywood fencing on a 2" x 4" frame as outlined on T1. Horizontal root protection is proposed adjacent to the dwelling in order to limit root compaction in those areas.

Tree protection hoarding/fencing should be installed prior to any demolition or construction activities as outlined on sheets T1- T3.

CITY OWNED TREE TO BE INJURED

Tree # 1W – Ginkgo (101cm Dia.) - Permit Required



Tree #1W, a 101cm dia. Ginko (*Ginko biloba*), is a city-owned deciduous tree growing along the city road allowance adjacent to the subject property at 23 Strathearn Boulevard. This tree is situated in close proximity to my client's Western property line.

Tree #1W is codominant. This tree has some unhealed pruning cuts and deadwood present. Tree #1W is growing in close proximity to my client's dwelling and is being suppressed by the somewhat by the existing dwelling. The canopy of this tree overhangs my client's dwelling also.

Due to this tree being located in close proximity to the proposed demolition works, my client would like permission to injure this tree at this time. Therefore, an application to injure this tree will have to be submitted to Toronto Urban Forestry.

It is important to note that there is minimal impact proposed to the soft landscaping adjacent to the proposed dwelling within the TPZ. Lakeshore Tree Services Inc. recommends that this work be done utilizing hand tools wherever possible and that the work be undertaken under arborist supervision. During the majority of the construction and demolition activities, this tree will be protected with 1.2m high orange snow fencing on a 2" x 4" frame as outlined on T1. Horizontal root protection is proposed adjacent to the dwelling in order to limit root compaction in those areas.

Tree protection hoarding/fencing should be installed prior to any demolition or construction activities as outlined on sheets T1-T3.

GENERAL RECOMMENDATIONS

The following recommendations are given to maximize the health and protection of all trees near construction:

1. No groundbreaking activities or demolition of existing dwelling should occur until all tree preservation requirements have been met. Of primary concern is the erection of proper hoarding to establish the tree protection zones (TPZ).
2. An Arborist should be consulted for all site work that impacts the Tree Protection Zone (TPZ).
3. No roots larger than 5cm in diameter are to be cut. If roots 5cm in diameter are found during excavation Urban Forestry MUST be contacted. Roots 5cm in diameter or smaller must be cut cleanly by a Certified Arborist.

LIMITATIONS OF ASSESSMENTS

It is the policy of Lakeshore Tree Services Inc. to attach the following clause in regards to limitations. This is to ensure that the client is fully aware of what is technically and professionally realistic in the preservation and assessment of trees in the urban environment.

The assessment of the trees in this report has been done in conjunction with and according to accepted arboriculture methods and techniques. These include an examination of the above ground parts of the tree for structural defects, scars, cracks, the overall condition of the root structures, the severity and direction of lean (if any), the general condition of the trees and the surrounding environment, external indications of decay such as fungal fruiting bodies, evidence of attack by insects, symptoms of infestation and pathogens, discoloured foliage, and the proximity of potential targets should a tree fail. Except where specifically noted, the trees were not cored, probed or climbed and there was no detailed inspection of the root crowns involving excavations, or samples taken to be scientifically tested.

Notwithstanding the recommendations and conclusions presented in this report, it must be acknowledged that trees are living organisms. They are not immune to changes in site conditions, dramatic weather events or seasonal variations in climate. Therefore it should always be recognized that trees are ever evolving and their health and vigour constantly vary over time. While all reasonable efforts have been made to ensure that the subject trees are healthy, no guarantees are offered or implied that these trees or part(s) of any trees will remain intact.

It is professionally and practically impossible to predict with absolute certainty the behaviour of any tree or its component parts under all circumstances and variables. Most trees have the potential for failure under adverse weather conditions and the risk can only be completely eliminated if the tree is removed. Inherently, a standing tree will always pose some level of risk. Although every effort has been made to ensure that this assessment is reasonably accurate, trees should be re-assessed periodically. The assessment presented in this report is valid at the time of inspection.

This report is property of Lakeshore Tree Services Inc. and/or its agents and may not be used until payment is made in full unless written permission is granted. Lakeshore Tree Services Inc. reserves the right to withdraw this report and its recommendations, if any requirements are not met. All details and graphics are copyright of Lakeshore Tree Services Inc.

On behalf of Lakeshore Tree Services Inc.



Sebastian Bravo,
Certified Arborist
ISA ON-1852A



ON-1852A

Tree #	Common Name	Botanical Name	Dia. (cm)	R.Z.	T.I.	C.S.	C.V.	Category	TPZ (m)	Comments	Site Plan Results
01	Norway Spruce	<i>Picea abies</i>	57	F	G	F	F	1	3.6	Client's tree, deadwood in understory, slightly suppressed	preserve
02	Norway Maple	<i>Acer platanoides</i>	75	F	F	F	G	1	4.8	Client's tree, growing along property line, unhealed wounds, unhealed pruning cuts, peeling bark	preserve
03	Little leaf Linden	<i>Tilia cordata</i>	62	F	G	F	F	1	4.2	Client's tree, growing close to existing dwelling, suppressed by adjacent dwelling, asymmetrical canopy	REMOVE (P)
1N	Norway Maple	<i>Acer platanoides</i>	54	P	F	G	G	5	3.6	City tree, exposed roots, girdled roots, vertical crack, unhealed wounds, peeling bark, decay present	preserve
1E	Honey Locust	<i>Gleditsia triacanthos</i>	30	F	G	F	G	2	2.4	Neighbour's tree	preserve
1S	Austrian Pine	<i>Picea abies</i>	41	F	G	F	F	2	3.0	Neighbour's tree, asymmetrical canopy, diplodia tip blight, deadwood & dieback	preserve
1W	Ginko	<i>Ginkgo biloba</i>	101	F	G	F	G	5	6.06	City tree, growing close to property line, codominance, asymmetrical canopy, sparse canopy, suppressed by adjacent dwelling	INJURY (P)
2W	Cedar	<i>Thuja occidentalis</i>	17	F	G	F	F	5	1.8	City tree, growing close to property line, asymmetrical canopy, suppressed by adjacent board fence, planted by previous property owner	preserve
3W	Magnolia	<i>Magnolia sp.</i>	14,11,9	F	G	F	G	5	1.8	City tree, multi stemmed, growing close to property line, asymmetrical canopy, suppressed by adjacent vegetation, planted by previous property owner	preserve
4W	White Mulberry	<i>Morus alba</i>	19	F	G	F	G	5	1.8	City tree, growing close to property line, asymmetrical canopy, suppressed by adjacent vegetation, invasive species, not planted by previous property owner or by city of Toronto Forestry dept.	preserve

preserve - tree proposed to be preserved, not being injured or removed

INJURY (P) - tree proposed to be injured - permit required

remove - tree to be removed - no permit required

REMOVE (P) - tree proposed to be removed - permit required

Tree # - this number refers to the number on the tree assessment and plan - only the last three numbers on the tree tag are referenced

Species - the common name and botanical name for each tree are provided

Diameter - refers to diameter (in centimeters) measured at 1.4 m above finished grade

Root Zone (R.Z.) - this is an assessment of the growing conditions within the root zone of the tree. It is measured on a scale of Good, Fair, Poor

Trunk Integrity (T.I.) - this is an assessment of the trunk for any defects or weaknesses. It is measured on a scale of Good, Fair, Poor

Canopy Structure (C.S.) - this is an assessment of the scaffold branches and the canopy of the tree. This is also measured on a Good, Fair, Poor

Canopy Vigour (C.V.) - this is an assessment of the health of the tree and assesses the amount of deadwood and live growth in the crown as compared to a 100% healthy tree. The size, colour and amount of foliage are also considered in this category. This is also measured on a Good, Fair, Poor.

Tree Protection Zone (TPZ) - minimum Tree Protection Zone as recommended by the City of Toronto. This distance is based on the diameter of the tree and the protection zone is measured from the trunk.

Categories

0. Trees with diameters of less than 30 cm, situated on private property on the subject site.

1. Trees with diameters of 10 cm or more, situated on the subject site.

2. Trees with diameters of 30 cm or more, situated on private property, within 6 m of the subject site.

3. Trees of all diameters situated on City owned parkland within 6 m of the subject site.

4. Trees of all diameters situated within lands designated under City of Toronto Municipal Code, Chapter 658, Ravine Protection.

5. Trees of all diameters situated within the City road allowance adjacent to the subject site.

Existing Deciduous Tree

Existing Evergreen Tree

Tree Protection Zone (TPZ)

Tree Protection Zone (TPZ) - Proposed for Injury

Tree to be Preserved Tree #

Tree to be Injured or Removed Tree #

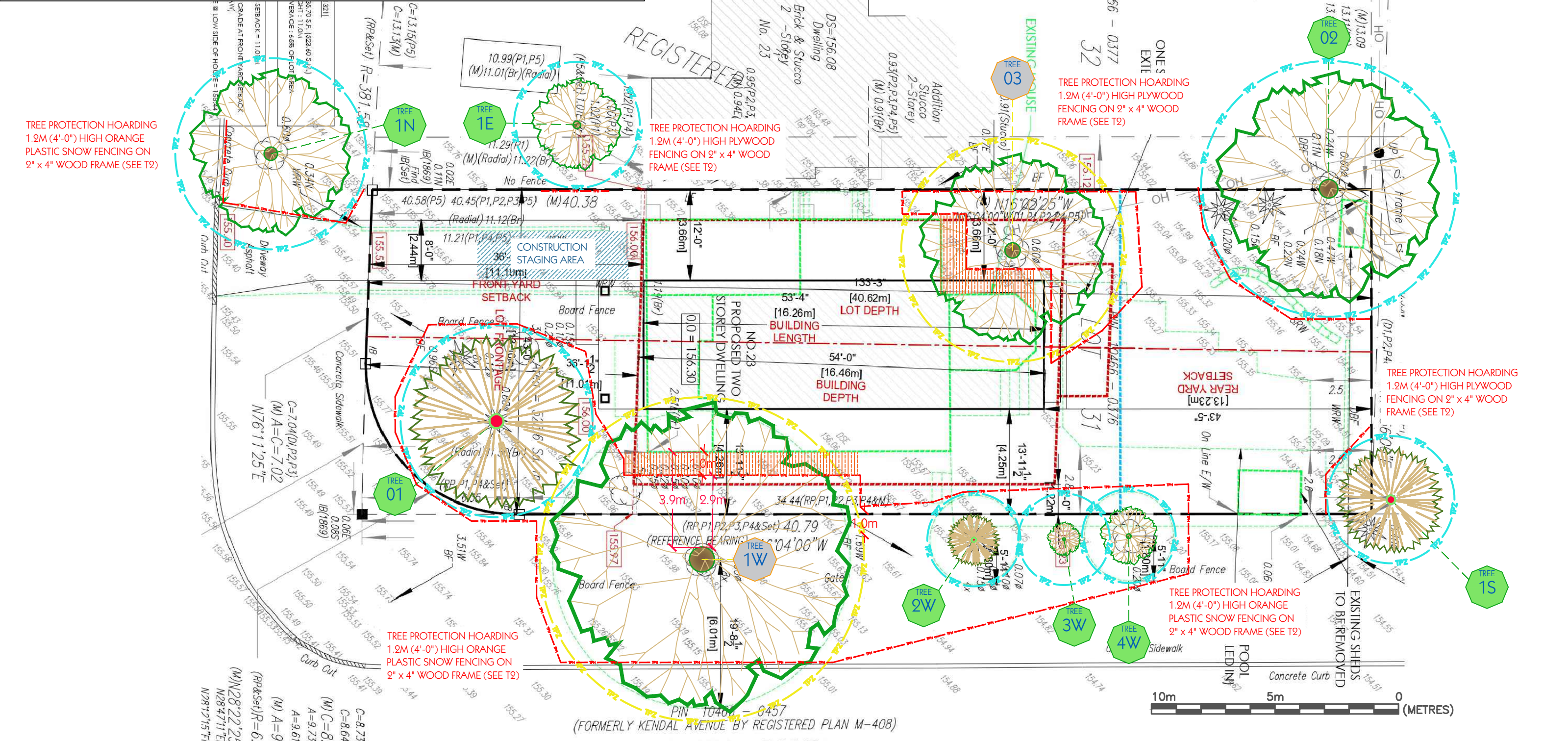
Tree Protection Hoarding/Fence (See T2)

Property Line

Horizontal Root Protection (See T3)

Construction Staging Area

Legend



Lakeshore Tree Services Inc.

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Project Address

23 STRATHEARN BLVD
TORONTO, ON
M5P 1S8

Title

TREE PROTECTION PLAN

Scale

1:150

Drawn

JH

Checked

SB

Date

JAN. 2023

Project #

#22119

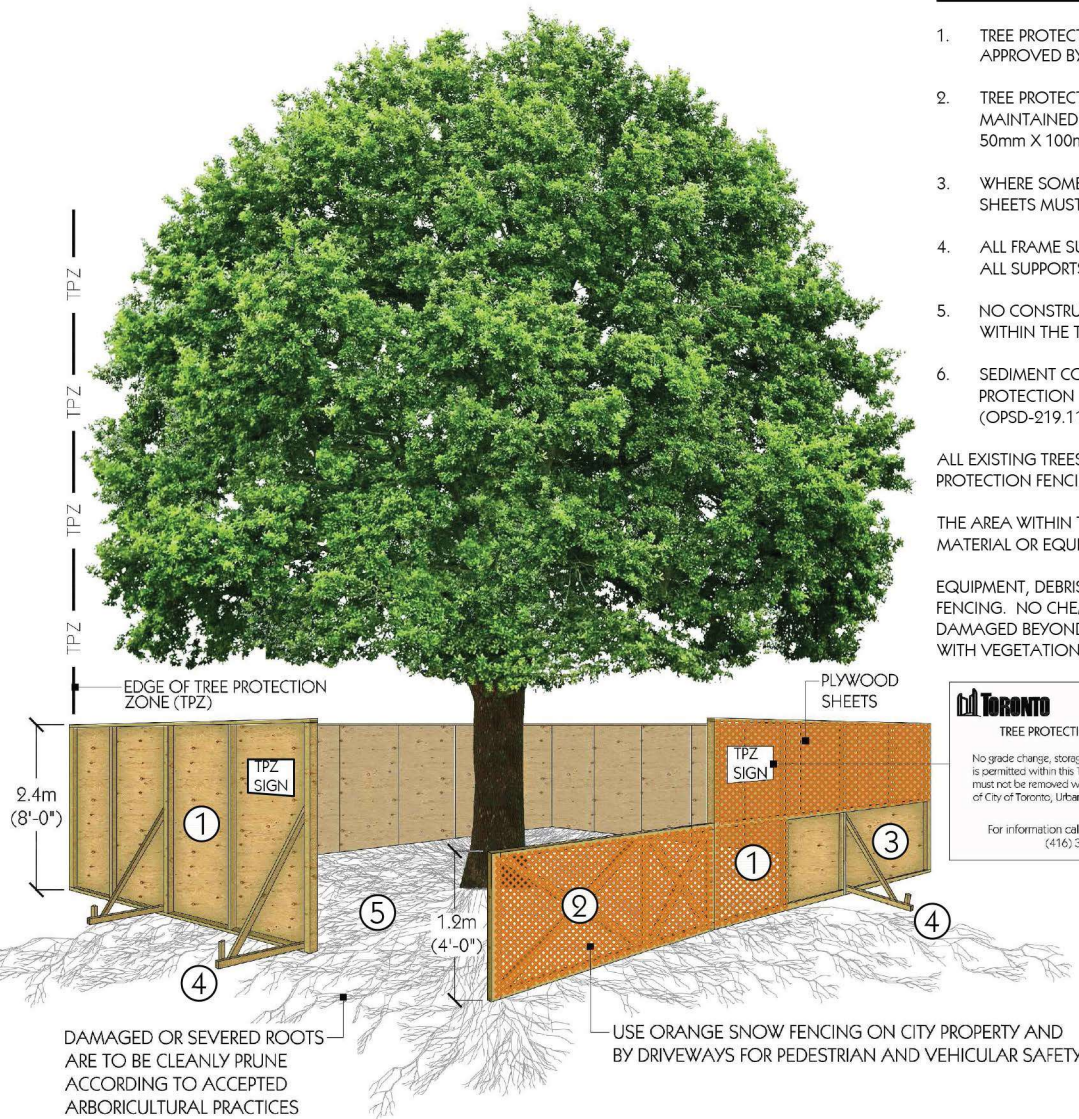
Sheet

T1

1. TREE PROTECTION BARRIERS MUST BE 2.4m (8'-0") HIGH, 19mm ($\frac{3}{4}$ ") PLYWOOD CLAD HOARDING OR AN EQUIVALENT APPROVED BY URBAN FORESTRY.
2. TREE PROTECTION BARRIERS FOR TREES SITUATED WITHIN THE CITY ROAD ALLOWANCE AND WHERE VISIBILITY MUST BE MAINTAINED CAN BE 1.2m (4'-0") HIGH AND CONSIST OF ORANGE PLASTIC WEB SNOW FENCING ON A 50mm X 100mm (2 X 4") WOOD FRAME.
3. WHERE SOME EXCAVATE OR FILL HAS TO BE TEMPORARILY LOCATED NEAR A TREE PROTECTION BARRIER, PLYWOOD SHEETS MUST BE USED TO ENSURE NO MATERIAL ENTERS THE TREE PROTECTION ZONE.
4. ALL FRAME SUPPORTS AND BRACING SHOULD BE OUTSIDE THE TREE PROTECTION ZONE, UNLESS OTHERWISE SPECIFIED. ALL SUPPORTS SHOULD BE INSTALLED TO MINIMIZE ROOT DAMAGE OUTSIDE THE TREE PROTECTION BARRIER.
5. NO CONSTRUCTION ACTIVITY, GRADE CHANGES, SURFACE TREATMENT OR EXCAVATIONS OF ANY KIND ARE PERMITTED WITHIN THE TREE PROTECTION ZONE.
6. SEDIMENT CONTROL FENCING SHALL BE INSTALLED IN LOCATIONS INDICATED IN AN URBAN FORESTRY APPROVED TREE PROTECTION PLAN THE SEDIMENT CONTROL FENCING MUST BE INSTALLED TO ONTARIO PROVINCIAL STANDARDS (OPSD-219.110) AND TO THE SATISFACTION OF URBAN FORESTRY.

THE AREA WITHIN THE TREE PROTECTION ZONE SHALL REMAIN UNDISTURBED AND SHALL NOT BE USED FOR THE STORAGE OF BUILDING MATERIAL OR EQUIPMENT. NO RIGGING CABLES SHALL BE WRAPPED AROUND OR INSTALLED ON TREES.

EQUIPMENT, DEBRIS, OR MATERIALS SHALL NOT BE PLACED OVER THE ROOT ZONE OF THE VEGETATION WITHIN THE PROTECTIVE FENCING. NO CHEMICALS/SOLVENTS SHALL BE DUMPED OR FLUSHED ANYWHERE ON SITE. VEGETATION THAT HAS DIED OR BEEN DAMAGED BEYOND REPAIR SHALL BE REPLACED BY THE CONTRACTOR AT THEIR EXPENSE, WITH VEGETATION OF SIMILAR SIZE AND SPECIES AS APPROVED BY TORONTO URBAN FORESTRY.



TREE PROTECTION ZONES – TORONTO			
Trunk Diameter (DBH) Measured @ 1.4m Above Grade	Minimum Protection Distances Required For:		
	Trees on City Property	Trees on Private Property	Ravine & Natural Feature Protection Trees
< 10cm	1.2m		drip line or 1.2m (whichever is greater)
11-29cm	1.8m		drip line or 3.6m (whichever is greater)
30-40cm	2.4m	2.4m	drip line or 4.8m (whichever is greater)
41-50cm	3.0m	3.0m	drip line or 6.0m (whichever is greater)
51-60cm	3.6m	3.6m	drip line or 7.2m (whichever is greater)
61-70cm	4.2m	4.2m	drip line or 8.4m (whichever is greater)
71-80cm	4.8m	4.8m	drip line or 9.6m (whichever is greater)
81-90cm	5.4m	5.4m	drip line or 10.8m (whichever is greater)
91-100cm	6.0m	6.0m	drip line or 12.0m (whichever is greater)
> 100cm	6cm protection for each 1cm of diameter	6cm protection for each 1cm of diameter	12cm protection for each 1cm diameter or the drip line (whichever is greater)

Note: Tree protection distances measured from trunk of tree



THIS DETAIL IS TO BE USED WHERE
CONSTRUCTION EQUIPMENT ENCROACHES
OVER ROOTS OF TREES TO BE PRESERVED

- 2 LAYERS 19mm ($\frac{3}{4}$ ") PLYWOOD (FOR SOFT SURFACES)
OR ONE STEEL PLATE (FOR HARD SURFACES)
- 100x100mm (4x4") (OR EQUIVALENT) FRAME TO HOLD
WOOD CHIPS (WHERE NECESSARY FOR SOFT SURFACES)
- 30cm (12") COARSE WOOD CHIPS (FOR SOFT SURFACES)
- TERRAFIX 270R FILTER CLOTH ON EXISTING GRADE
(FOR SOFT SURFACES)

EXISTING GRADE

UNDISTURBED ROOT ZONE

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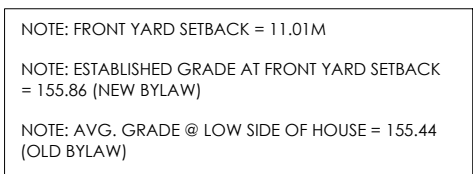
Project Address

23 STRATHEARN BLVD.
TORONTO, ON
M5P 1S8

Title Horizontal Root Protection
Hoarding Detail

Scale	As shown	Sheet
Drawn	JH	T3
Checked	SB	
Date	JAN. 2023	
Project #	#22119	

- 8FT. HIGH PLYWOOD TREE PROTECTION
- 4FT. HIGH SNOW FENCE ON WOOD FRAME, TREE PROTECTION
- LOCATION OF TREE PROTECTION WARNING SIGN



The legend defines the symbols used in the site plan:

- Existing Deciduous Tree:** Represented by a green outline of a tree canopy.
- Existing Evergreen Tree:** Represented by a brown outline of a tree canopy with a green center.
- Tree Protection Zone (TPZ):** Represented by a light blue dashed circle.
- Tree Protection Zone (TPZ) - Proposed for Injury:** Represented by a light yellow dashed circle.
- Tree to be Preserved Tree #:** Represented by a green hexagon with the word "TREE" and a number (e.g., #001).
- Tree to be Injured or Removed Tree #:** Represented by a yellow hexagon with the word "TREE" and a number (e.g., #001).
- Tree Protection Hoarding/Fence (See T2):** Represented by a red line with the text "TPH" above it.
- Property Line:** Represented by a solid black line.
- Horizontal Root Protection (See T3):** Represented by a series of vertical orange lines.
- Construction Staging Area:** Represented by a blue hatched area.

