



# Arborist Report + Tree Preservation Plan

Prepared for:  
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## Summary

This arborist report is in regard to construction at 15 Mill St. Vaughan ON. Trees were inventoried and assessed for health and preservation measures. The development area is devoid of any vegetation or woodland except for two trees; therefore, no Woodland or Woodland and Contiguous Vegetation assessment has been performed.

## Introduction & Assignment (Nature of Work)

Cinerea Urban Forestry Services was commissioned by the property owner, to complete an Arborist Report and Tree Preservation Plan. This is for the proposed construction of a new coach house and 2<sup>nd</sup> story addition. The subject property is 15 Mill St. Vaughan ON.

An inventory and general health assessment was performed for all City-owned trees of any size and bylaw protected trees located on and within 6 metres of the property line.

## Assignment Limitations

Recommendations for tree preservation have been based upon the client supplied drawings.

This Arborist Report was compiled from field data collected from the ground. A basic visual assessment of the trees was performed. No level of ISA Tree Risk Assessment was performed. More data may be obtained regarding risk through a basic or advanced ISA Tree Risk Assessment. As trees change over time, this report noting conditions of health and structure of trees on site shall be void after a period of 1 year.

The opinions conveyed within this report are those of Mark Ellis, ISA BCMA ON-1686BM. Another arborist or forester may look at the same tree and have different opinions. Thus; opinions may be subjective.

Arborist recommendations have been supplied, however, due to varying ownership, recommendations may not be able to be carried out

Measurements taken from property lines or tree ownership may not be exact as most of the time a survey stake is not visible so a fence or arbitrary property line is used.

Specifications regarding cabling of a tree is to preserve the tree and prolong its service life. A cable is in no way a guarantee that the tree shall not fail. Cables, if installed correctly, may reduce the risk of a tree splitting apart. Trees may fail at any time due to a myriad of factors including but not limited to tree vigour, severe weather events, change in tree architecture, removal of adjacent trees.

This report is in no way a permit to remove or injure a tree. It is also not a guarantee of a permit to remove or injure a tree either.

## Key Arboricultural Terms

*AirSpade* – A high pressure pneumatic device that blows compressed air. Used to excavate roots of trees without damaging them.

*Cash-in-lieu of planting* – Used a tool by municipalities when there is not sufficient space to re-establish a large growing tree on the property where a tree is being removed. Such examples include most of property being hardscape, property having significant canopy coverage, or a very



small property. The payment is intended to be used by municipalities to plant a replacement tree in another location on municipal owned lands.



*Crown Cleaning* – To remove the dead portions of a trees canopy via pruning.

*Crown Raising* – To prune lower branches of a tree to a specified height. Most deciduous trees should be elevated to height of 2 metres (6.5 feet) once mature to allow for pedestrian access under tree.

*Crown Reduction* – To reduce the height of a tree. Usually only performed only over mature trees or trees that are experienced dieback at the top and exterior portions of crown.

*Crown Thinning* – To selectively remove branches from the interior of a tree canopy in efforts to allow other branches to grow larger and provide more aeration throughout canopy.

*DBH* – Diameter at breast height. Within the Cities of Toronto, Vaughan, Markham, Mississauga, and Richmond Hill this measurement is from the ground to 1.4 metres in height. Within the City of Ottawa the measurement is from the ground to a height of 1.3 metres.

*ISA* – International Society of Arboriculture

*ISA Certified Arborist* – trained and knowledgeable in all aspects of arboriculture. ISA Certified Arborist® have met all requirements to be eligible for the exam, which includes three or more years of full-time, eligible, practical work experience in arboriculture and/or a degree in the field of arboriculture, horticulture, landscape architecture, or forestry from a regionally accredited educational institute. This certification covers a large number of topics giving the candidates flexibility in the arboricultural profession. A code of ethics for ISA Certified Arborists® strengthens the credibility and reliability of the work force. This certification is accredited by the American National Standards Institute, meeting and exceeding ISO 17024.



*ISA Board Certified Master Arborist* - The ISA Board Certified Master Arborist® credential is the highest level of certification offered by ISA. This credential recognizes ISA Certified Arborists® who have reached the pinnacle of their profession. In addition to passing an extensive scenario-based exam, candidates must abide by a Code of Ethics, which ensures quality of work. Fewer than two percent of all ISA Certified Arborists® currently hold this certification.



*MTPZ* – Minimum Tree Protection Zone. A distance defined by a local municipality that will ensure reasonable protection for a tree should construction activities occur outside of the zone. It is usually based on a multiple of six times the distance the diameter of the tree.

## Methods

- Tools used to assess the trees included a clinometer, metric measuring tape, metric measuring wheel, binoculars
- City trees of any diameter and all private trees measuring 19 cm or greater at 1.4 metres in height were recorded for the purposes of this report; only private trees measuring 20 cm or greater at the base are subject the City of Vaughan’s private tree bylaw
- The MTPZ radius is measured from the outside edge of the tree base
- Photos were taken of each tree inventoried and are included

## Observations

- Field work was completed by Mark Ellis on September 2, 2024
- Weather at time of assessment was sunny and 10°C
- Application fees of \$161.70 and permit processing fees of \$161.70 for each tree to be injured or removed
- Twelve trees to be removed to facilitate construction
- Trees # 14, 15, 18, 19 are 100% dead and within striking distance of existing/new proposed coach house and all City-owned
- Tree # 24 has included bark where single stems branches to two stems, potentially weakened attachment

## Tree Replacement Information & Tree Appraisal

Due to the removal of trees # 6, 7, 8, 9, 10, 11, 12, 13 up to twenty trees are to be compensated for. All of these trees are being proposed as cash-in-lieu of planting as the green areas of the property are heavily treed. There is very little area of the green area that is not treed. The 2024 rate for cash-in-lieu of planting is \$682.50. Therefore  $20 \times \$682.50 = \$13\ 650$ .

**Trees # 20, 21, 22, 23 are City-owned or co-owned. The City is to advise what compensation they would like for these trees, if any.**

Additionally, the City of Vaughan's Tree Protection Protocol copyright 2018. Valuation Method is based upon the outdated Guide for Plant Appraisal 9<sup>th</sup> Edition Trunk Formula Method. Within the 10<sup>th</sup> Edition of the Guide for Plant Appraisal copyright June 2019, the Trunk Formula Technique replaces the Trunk Formula Method and species rating is done away with. If the City would like trees within this report appraised, they are to advise what method is to be used to appraise trees.

## Pruning & Root Pruning Plan

No above or below ground pruning is required to facilitate construction or construction access given the current proposed removals

## Arborist Recommendations

- Install tree protection fencing as per the City of Vaughan Urban Forestry specification and as per the Tree Preservation Plan
- Submit arborist report and tree preservation plan to City of Vaughan
- Pay application fees in the amount of \$3881
- Pay cash-in-lieu of planting in the amount of \$13650
- Pay appraised value determined by City of Vaughan for trees #20, 21, 22, 23
- Remove and stump grind twelve trees (6, 7, 8, 9, 10, 11, 12, 13, 20, 21, 22, 23)
- Contact Service Vaughan to remove trees # 14, 15, 18, 19
- Consider installing cable in tree # 24 to reduce the risk of stems tearing apart

## Migratory Bird Convention Act, 1994

To avoid the disturbance of migratory bird nesting habitat or nests directly, tree removal and or pruning should only occur between September 1 and March 15.

Should arboricultural/forestry activities during bird nesting season be unavoidable, or where birds may be suspected of nesting outside of typical dates, the property owner is required to conduct a nesting survey. Nesting surveys shall be undertaken by an ecologist or registered professional biologist.

## Conclusion

I, Mark Ellis conducted a site visit on September 2, 2024 to inventory trees on the property of 15 Mill St. in Vaughan as pertaining to proposed construction. The proposal is to rebuild the coach house larger and also to add a 2<sup>nd</sup> story addition onto the house at the back or south end.

To facilitate this, twelve trees have been suggested for removal. Trees that had proposed construction within their MTPZs that could potentially be preserved, that were in fair or poor condition, in poor locations, and or invasive in nature have been suggested for removal.

Trees # 14, 15, 18, 19 are all 100% dead, within striking distance of the existing coach house and new proposed coach house and located on City property. These trees need to be removed to eliminate the potential of them falling onto the coach house and causing damage or human injury. Please contact Service Vaughan at 905-832-2281 or [service@vaughan.ca](mailto:service@vaughan.ca) to remove these trees.

Tree # 24 has a potentially weakened attachment where the main trunk branches into two stems. To reduce and mitigate the risk of failure of the top of the tree in part or whole, it is recommended to have the tree cabled together. This work can be done by an experienced arborist familiar with this type of work.

Tree protection fencing is to be installed as per the associated Tree Preservation plan as well according to the City of Vaughan specification. Orange web fencing is to be utilized only when there is potential obstruction of vehicular lines of sight. In all other circumstances, plywood (preferably 5/8" or higher) should be used.

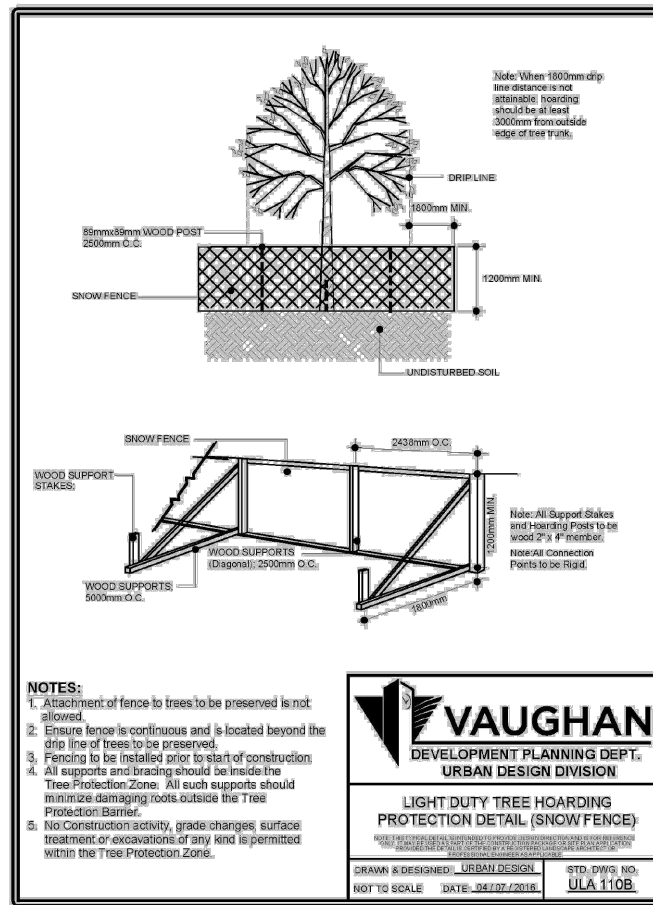
Total application fees amount to \$3881 and cash-in-lieu of planting amounts to \$13 650. A replanting plan may be prepared should the City want to see some trees replanted at the site.

The client is advised to hire a company employing ISA Certified Arborists to conduct all tree removal operations at the site as well to install or inspect tree protection fencing.

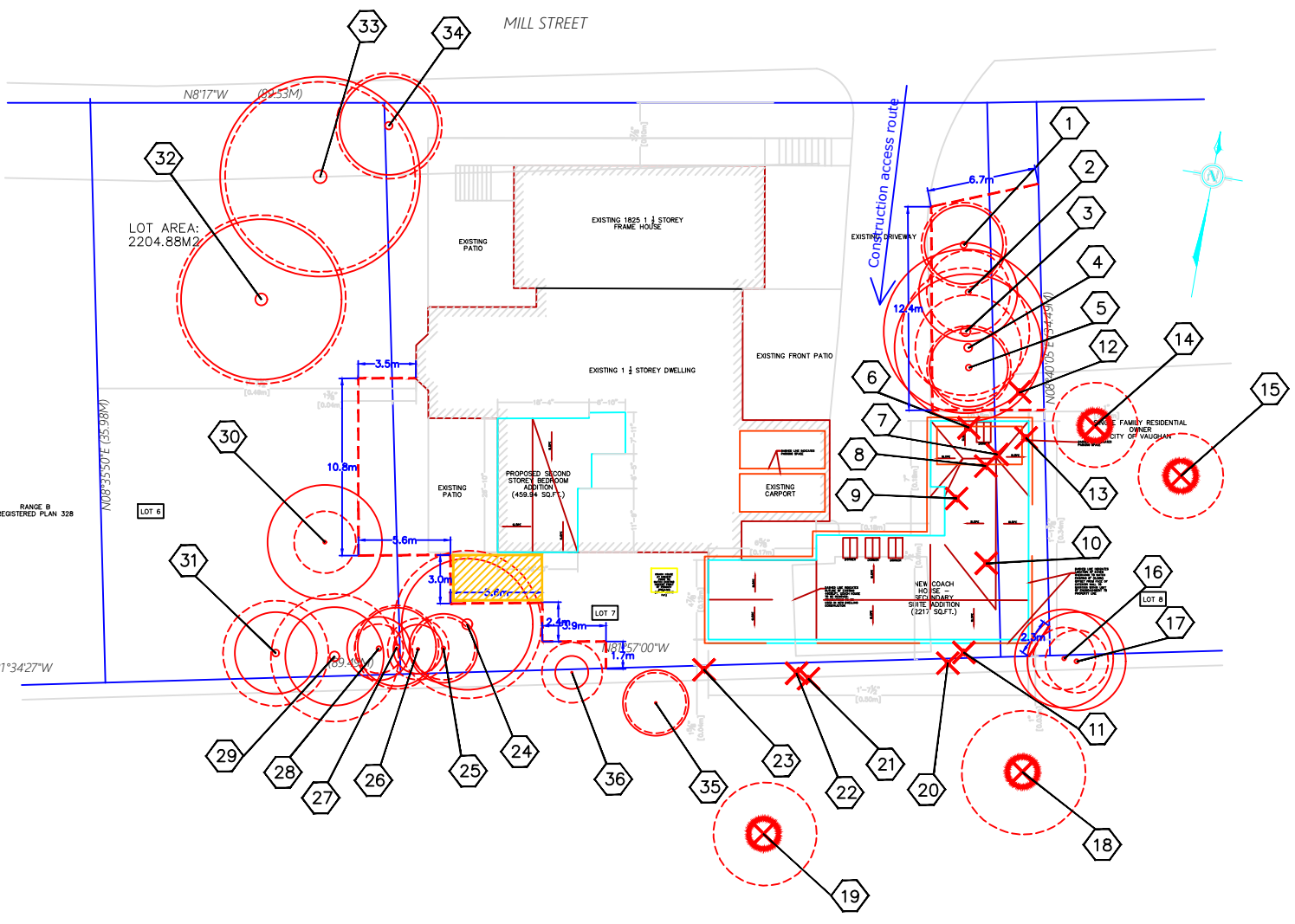
All documentation shall be submitted to the City of Vaughan, Joint Operations Centre, 2800 Rutherford Rd. Vaughan ON L4K 2N9 or online at:<https://eservices.vaughan.ca/citizenportales/app/>

# Tree Inventory

Tree #	Common Name	Latin	DBH (cm) @ 1.4m	Height (m)	Crown Spread (m)	MTPZ (m)	Ownership	Health	Structure	Overall Condition	Address	Location	Comments	Arborist Recommendation
1	White Spruce	<i>Picea glauca</i>	38	17	5	2.4	Private	Good	Good	Good	15 Mill St.	11.2 metres south of curb 3 metres east of east building line of coach house		Tree protection fencing
2	White Spruce	<i>Picea glauca</i>	31	17	3 x 6	2.4	Private	Good	Good	Good	15 Mill St.	14.1 metres south of curb 3.5 metres east of east building line of coach house		Tree protection fencing
3	Norway Spruce	<i>Picea abies</i>	60	20	4 x 10	3.6	Private	Good	Good	Good	15 Mill St.	16.5 metres south of curb 3 metres east of east building line of coach house		Tree protection fencing
4	Norway Spruce	<i>Picea abies</i>	48	20	3 x 9	3	Private	Good	Good	Good	15 Mill St.	17.3 metres south of curb 3.3 metres east of east building line of coach house		Tree protection fencing
5	White Spruce	<i>Picea glauca</i>	35	19	5	2.4	Private	Good	Good	Good	15 Mill St.	19.2 metres south of curb 3.3 metres east of east building line of coach house		Tree protection fencing
6	Norway Spruce	<i>Picea abies</i>	51	20	4 x 10	3.6	Private	Good	Good	Good	15 Mill St.	22.4 metres south of curb 3.3 metres east of east building line of coach house		Remove due to proposed construction
7	Eastern White Pine	<i>Pinus strobus</i>	51	21	6	3.6	Private	Good	Good	Good	15 Mill St.	24.1 metres south of curb 4.6 metres east of east building line of coach house		Remove due to proposed construction
8	Norway Spruce	<i>Picea abies</i>	31	19	5	2.4	Private	Good	Good	Good	15 Mill St.	24.6 metres south of curb 3.8 metres east of east building line of coach house		Remove due to proposed construction
9	Colorado Blue Spruce	<i>Picea pungens</i>	43	20	6	3	Private	Good	Good	Good	15 Mill St.	3.6 metres north of north building line of coach house 2 metres east of east building line of coach house		Remove due to proposed construction
10	White Mulberry	<i>Morus alba</i>	26	11	4	1.8	Private	Fair	Fair	Fair	15 Mill St.	0.4 metres south of north building line of coach house 3.7 metres east of east building line of coach house		Remove due to proposed construction
11	Eastern White-cedar	<i>Thuja occidentalis</i>	75	11	5	4.8	Private	Good	Fair	Fair	15 Mill St.	0.3 metres south of south building line of coach house 2 metres east of east building line of coach house	Three stems; 20, 25, 30 cm dbh	Remove due to proposed construction
12	Manitoba Maple	<i>Acer negundo</i>	24	8	4	1.8	Private	Fair	Poor	Poor	15 Mill St.	10.3 metres north of north building line of coach house 5.4 metres east of east building line of coach house	Leaning Trunk scar	Remove due to proposed construction
13	Norway Maple	<i>Acer platanoides</i>	24	10	4	1.8	Private	Good	Good	Good	15 Mill St.	7.2 metres north of north building line of coach house 5.8 metres east of east building line of coach house		Remove due to proposed construction
14	Norway Spruce	<i>Picea abies</i>	38	18	0	2.4	City	Dead	Dead	Dead	42 Old Yonge St.	8 metres north of north building line of coach house 9.2 metres east of east building line of coach house	Within striking distance of existing coach house/new coach house	Initiate service request with City to have tree removed
15	Red Pine	<i>Pinus resinosa</i>	39	17	0	2.4	City	Dead	Dead	Dead	42 Old Yonge St.	4.8 metres north of north building line of coach house 15.2 metres east of east building line of coach house	Within striking distance of existing coach house/new coach house	Initiate service request with City to have tree removed
16	Black Cherry	<i>Prunus serotina</i>	22	15	6	1.8	City	Fair	Good	Good	26 Old Yonge St.	0.2 metres south of south property line of 15 Mill St. 0.6 metres east of east property line of 15 Mill St.		Tree protection fencing
17	Norway Maple	<i>Acer platanoides</i>	24	15	6	1.8	City	Good	Good	Good	26 Old Yonge St.	0.4 metres south of south property line of 15 Mill St. 1.3 metres east of east property line of 15 Mill St.		Tree protection fencing
18	Red Pine	<i>Pinus resinosa</i>	36	18	0	3.6	City	Dead	Dead	Dead	26 Old Yonge St.	7.1 metres south of south property line of 15 Mill St. 1.9 metres west of west building line of coach house	Within striking distance of existing coach house/new coach house	Initiate service request with City to have tree removed
19	Red Pine	<i>Pinus resinosa</i>	30	18	0	3	City	Dead	Dead	Dead	26 Old Yonge St.	10.4 metres south of south property line of 15 Mill St. 17.8 metres west of west building line of coach house	Within striking distance of existing coach house/new coach house	Initiate service request with City to have tree removed
20	Silver Maple	<i>Acer saccharinum</i>	42	13	6	3	City	Good	Fair	Fair	26 Old Yonge St.	0.4 metres south of south property line of 15 Mill St. 1 metre east of east building line of coach house	Two stems; 15, 27 cm dbh	Remove due to proposed construction
21	Manitoba Maple	<i>Acer negundo</i>	18	7	6	1.8	City/Private	Good	Poor	Fair	15 Mill St./26 Old Yonge St.	1 metre south of south property line of 15 Mill St. 0.7 metres east of west building line of coach house	Leaning	Remove due to proposed construction
22	Black Cherry	<i>Prunus serotina</i>	24	10	5	1.8	City/Private	Good	Good	Good	15 Mill St./26 Old Yonge St.	0.7 metres south of south property line of 15 Mill St. At west building line of coach house		Remove due to proposed construction
23	Manitoba Maple	<i>Acer negundo</i>	16	8	4	1.8	City	Good	Good	Good	26 Old Yonge St.	0.2 metres south of south property line of 15 Mill St. 5.6 metres west of west building line of 15 Mill St.		Remove due to proposed construction
24	Norway Spruce	<i>Picea abies</i>	64	22	8	4.2	Private	Good	Good	Good	15 Mill St.	3.3 metres north of south property line 2.4 metres east of west building line		Tree protection fencing Horizontal hoarding
25	Eastern White-cedar	<i>Thuja occidentalis</i>	23	8	4	1.8	Private	Good	Fair	Fair	15 Mill St.	1.5 metres north of south property line 0.9 metres east of west building line	Trunk scar	Tree protection fencing
26	Eastern White-cedar	<i>Thuja occidentalis</i>	15	8	3	1.8	Private	Fair	Fair	Fair	15 Mill St.	1.5 metres north of south property line 0.8 metres west of west building line	Longitudinal trunk scar Leaning	Tree protection fencing
27	Eastern White-cedar	<i>Thuja occidentalis</i>	31	8	5	2.4	Private	Fair	Very Poor	Very Poor	15 Mill St.	1.6 metres north of south property line 3.9 metres west of west building line	Split apart One stem is 50% dead Tag 23 Removal recommended (unrelated to construction)	Tree protection fencing
28	Eastern White-cedar	<i>Thuja occidentalis</i>	28	8	3	1.8	Private	Good	Fair	Good	15 Mill St.	1.6 metres north of south property line 3 metres west of west building line	Tag 24	Tree protection fencing
29	Eastern White-cedar	<i>Thuja occidentalis</i>	60	9	6	3.6	Private	Fair	Fair	Fair	15 Mill St.	1.2 metres north of south property line 5.7 metres west of west building line	Three stems; 15, 21, 24 cm dbh Tag 23	Tree protection fencing
30	Tulip Poplar	<i>Liriodendron tulipifera</i>	18	11	7	1.8	Private	Excellent	Good	Good	15 Mill St.	0.2 metres south of south property line 0.3 metres west of west building line	Leaning towards north	Tree protection fencing
31	Eastern White-cedar	<i>Thuja occidentalis</i>	44	8	5	3	Private	Fair	Fair	Fair	15 Mill St.	1.5 metres north of south property line 9.3 metres west of west building line	Three stems; 14, 14, 16 cm dbh	Tree protection fencing
32	Austrian Pine	<i>Pinus nigra</i>	72	20	10	4.8	Private	Good	Good	Good	15 Mill St.	13.2 metres south of curb 10.3 metres west of west building line	Tag 50, leaning	Tree protection fencing
33	Norway Spruce	<i>Picea abies</i>	81	20	12	5.4	Private	Excellent	Excellent	Excellent	15 Mill St.	5.9 metres south of curb 6.6 metres west of west building line	Tag 52	N/A
34	Scots Pine	<i>Pinus sylvestris</i>	47	13	6	3	Private	Fair	Fair	Fair	15 Mill St.	2.8 metres south of curb 2.4 metres west of west building line	Trunk contorted, in decline	N/A
35	Manitoba Maple	<i>Acer negundo</i>	11	5	4	1.8	City	Fair	Very Poor	Very Poor	26 Old Yonge St.	2.2 metres south of south property line 8.7 metres west of west building line of coach house		N/A
36	Manitoba Maple	<i>Acer negundo</i>	10	5	2	1.8	City	Good	Fair	Fair	26 Old Yonge St.	0.2 metres south of south property line of 15 Mill St. 13.7 metres west of west building line of coach house		Tree protection fencing



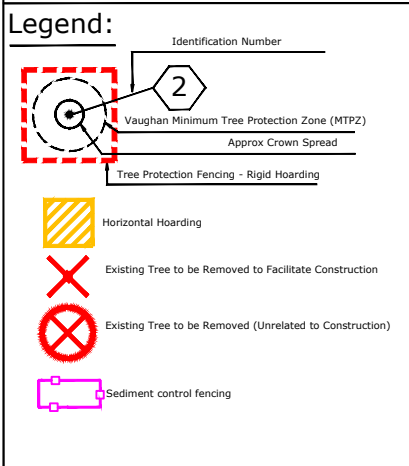
Ground protection mat can be used as horizontal hoarding.



**Project:**  
15 Mill Street, Vaughan, ON  
Tree Preservation Plan

**Client:**  
Monica Murad  
416-822-3347  
rmurad@linkrp.com  
15 Mill Street, Vaughan, ON, L4J 8C5

**Notes:**  
1. All field data collected by Mark Ellis, ISA BCMA ON-1686BM on September 2, 2024.



No.	DATE	BY	REVISIONS
1	2024.09.03	ME	ISSUED FOR PERMIT

APPROVALS  
MUNICIPAL  
DIRECTOR OF ENGINEERING  
DATE

STAMP

DRAWING NO. TP - 1  
SCALE 1:400  
CONTRACT NO.  
SHEET 1 OF 1

## Appendix 1 – Tree Inventory

Tree #	Common Name	Latin	dbh (cm) @ 1.4 m	Height (m)	Crown Spread (m)	MTPZ (m)	Ownership	Health	Structure	Overall Condition	Address	Location	Comments	Arborist Recommendation
1	White Spruce	<i>Picea glauca</i>	38	17	5	2.4	Private	Good	Good	Good	15 Mill St.	11.2 metres south of curb 3 metres east of east building line of coach house		Tree protection fencing
2	White Spruce	<i>Picea glauca</i>	31	17	3 x 6	2.4	Private	Good	Good	Good	15 Mill St.	14.1 metres south of curb 3.5 metres east of east building line of coach house		Tree protection fencing



3	Norway Spruce	<i>Picea abies</i>	60	20	4 x 10	3.6	Private	Good	Good	Good	15 Mill St.	16.5 metres south of curb 3 metres east of east building line of coach house	Tree protection fencing
4	Norway Spruce	<i>Picea abies</i>	48	20	3 x 9	3	Private	Good	Good	Good	15 Mill St.	17.5 metres south of curb 3.3 metres east of east building line of coach house	Tree protection fencing
5	White Spruce	<i>Picea glauca</i>	35	19	5	2.4	Private	Good	Good	Good	15 Mill St.	19.2 metres south of curb 3.3 metres east of east building line of coach house	Tree protection fencing
6	Norway Spruce	<i>Picea abies</i>	51	20	4 x 10	3.6	Private	Good	Good	Good	15 Mill St.	22.4 metres south of curb 3.3 metres	Remove due to proposed construction

east of  
east  
building  
line of  
coach  
house

24.1  
metres  
south of  
curb  
4.6  
metres  
east of  
east  
building  
line of  
coach  
house

24.6  
metres  
south of  
curb  
3.8  
metres  
east of  
east  
building  
line of  
coach  
house

3.6  
metres  
north of  
north  
building  
line of  
coach  
house  
2 metres  
east of  
east

Remove  
due to  
proposed  
construction

Remove  
due to  
proposed  
construction

Remove  
due to  
proposed  
construction

7	Eastern White Pine	<i>Pinus strobus</i>	51	21	6	3.6	Private	Good	Good	Good	15 Mill St.		
8	Norway Spruce	<i>Picea abies</i>	31	19	5	2.4	Private	Good	Good	Good	15 Mill St.		
9	Colorado Blue Spruce	<i>Picea pungens</i>	43	20	6	3	Private	Good	Good	Good	15 Mill St.		



												building line of coach house		
10	White Mulberry	<i>Morus alba</i>	26	11	4	1.8	Private	Fair	Fair	Fair	15 Mill St.	0.4 metres south of north building line of coach house 3.7 metres east of east building line of coach house		Remove due to proposed construction
11	Eastern White-cedar	<i>Thuja occidentalis</i>	75	11	5	4.8	Private	Good	Fair	Fair	15 Mill St.	0.3 metres south of south building line of coach house 2 metres east of east building line of coach house	Three stems; 20, 25, 30 cm dbh	Remove due to proposed construction

12	Manitoba Maple	<i>Acer negundo</i>	24	8	4	1.8	Private	Fair	Poor	Poor	15 Mill St.	10.5 metres north of north building line of coach house 5.4 metres east of east building line of coach house	Leaning Trunk scar	Remove due to proposed construction
13	Norway Maple	<i>Acer platanoides</i>	24	10	4	1.8	Private	Good	Good	Good	15 Mill St.	7.2 metres north of north building line of coach house 5.8 metres east of east building line of coach house		Remove due to proposed construction
14	Norway Spruce	<i>Picea abies</i>	38	16	0	2.4	City	Dead	Dead	Dead	42 Old Yonge St.	8 metres north of north building line of coach house 9.2 metres	Within striking distance of existing coach house/new coach house	Initiate service request with City to have tree removed

east of east building line of coach house

4.8 metres north of north building line of coach house  
15.2 metres east of east building line of coach house

0.2 metres south of south property line of 15 Mill St.  
0.6 metres east of east property line of 15 Mill St.

Within striking distance of existing coach house/new coach house

Initiate service request with City to have tree removed

15	Red Pine	<i>Pinus resinosa</i>	39	17	0	2.4	City	Dead	Dead	Dead	42 Old Yonge St.	4.8 metres north of north building line of coach house 15.2 metres east of east building line of coach house	Within striking distance of existing coach house/new coach house	Initiate service request with City to have tree removed
16	Black Cherry	<i>Prunus serotina</i>	22	15	6	1.8	City	Fair	Good	Good	26 Old Yonge St.	0.2 metres south of south property line of 15 Mill St. 0.6 metres east of east property line of 15 Mill St.		

17	Norway Maple	<i>Acer platanoides</i>	24	15	6	1.8	City	Good	Good	Good	26 Old Yonge St.	0.4 metres south of south property line of 15 Mill St. 1.3 metres east of east property line of 15 Mill St.		
18	Red Pine	<i>Pinus resinosa</i>	36	18	0	3.6	City	Dead	Dead	Dead	26 Old Yonge St.	7.1 metres south of south property line of 15 Mill St. 1.9 metres west of east property line of 15 Mill St.	Within striking distance of existing coach house/new coach house	Initiate service request with City to have tree removed
19	Red Pine	<i>Pinus resinosa</i>	30	18	0	3	City	Dead	Dead	Dead	26 Old Yonge St.	10.4 metres south of south property line of 15 Mill St. 17.8 metres west of east property	Within striking distance of existing coach house/new coach house	Initiate service request with City to have tree removed

												line of 15 Mill St.		
20	Silver Maple	<i>Acer saccharinum</i>	42	13	6	3	City	Good	Fair	Fair	26 Old Yonge St.	0.4 metres south of south property line of 15 Mill St. 1 metre east of east building line of coach house	Two stems; 15, 27 cm dbh	Remove due to proposed construction
21	Manitoba Maple	<i>Acer negundo</i>	18	7	6	1.8	City/Private	Good	Poor	Fair	15 Mill St./26 Old Yonge St.	1 metre south of south property line of 15 Mill St. 0.7 metres east of west building line of coach house	Leaning	Remove due to proposed construction
22	Black Cherry	<i>Prunus serotina</i>	24	10	5	1.8	City/Private	Good	Good	Good	15 Mill St./26 Old Yonge St.	0.7 metres south of south property line of 15 Mill St.		Remove due to proposed construction

At west building line of coach house

Remove due to proposed construction

23	Manitoba Maple	<i>Acer negundo</i>	16	8	4	1.8	City	Good	Good	Good	26 Old Yonge St.	0.2 metres south of south property line of 15 Mill St. 5.6 metres west of west building line of 15 Mill St.		
24	Norway Spruce	<i>Picea abies</i>	64	22	8	4.2	Private	Good	Good	Good	15 Mill St.	3.3 metres north of south property line 2.4 metres east of west building line		Tree protection fencing Horizontal hoarding
25	Eastern White-cedar	<i>Thuja occidentalis</i>	23	8	4	1.8	Private	Good	Fair	Fair	15 Mill St.	1.5 metres north of south property line 0.9 metres east of west	Trunk scar	Tree protection fencing

												building line		
26	Eastern White-cedar	<i>Thuja occidentalis</i>	15	8	3	1.8	Private	Fair	Fair	Fair	15 Mill St.	1.5 metres north of south property line 0.6 metres west of west building line	Longitudinal trunk scar Leaning	Tree protection fencing
27	Eastern White-cedar	<i>Thuja occidentalis</i>	31	8	5	2.4	Private	Fair	Very Poor	Very Poor	15 Mill St.	1.6 metres north of south property line 1.9 metres west of west building line	Split apart One stem is 50% dead Tag 23 Removal recommended (unrelated to construction)	Tree protection fencing
28	Eastern White-cedar	<i>Thuja occidentalis</i>	28	8	3	1.8	Private	Good	Fair	Good	15 Mill St.	1.6 metres north of south property line 3 metres west of west building line	Tag 24	Tree protection fencing

29	Eastern White-cedar	<i>Thuja occidentalis</i>	60	9	6	3.6	Private	Fair	Fair	Fair	15 Mill St.	1.2 metres north of south building line 5.7 metres west of west building line	Three stems; 15, 21, 24 cm dbh Tag 25	Tree protection fencing
30	Tulip Poplar	<i>Liriodendron tulipifera</i>	18	11	7	1.8	Private	Excellent	Good	Good	15 Mill St.	8.2 metres north of south property line 6.3 metres west of west building line	Leaning towards north	Tree protection fencing
31	Eastern White-cedar	<i>Thuja occidentalis</i>	44	8	5	3	Private	Fair	Fair	Fair	15 Mill St.	1.5 metres north of south property line 9.3 metres west of west building line	Three stems; 14, 14, 16 cm dbh	Tree protection fencing
32	Austrian Pine	<i>Pinus nigra</i>	72	20	10	4.8	Private	Good	Good	Good	15 Mill St.	13.2 metres south of curb 10.2	Tag 50, leaning	Tree protection fencing



												metres west of west building line		
33	Norway Spruce	<i>Picea abies</i>	81	20	12	5.4	Private	Excellent	Excellent	Excellent	15 Mill St.	5.8 metres south of curb 6.6 metres west of west building line	Tag 52	N/A
34	Scots Pine	<i>Pinus sylvestris</i>	47	13	6	3	Private	Fair	Fair	Fair	15 Mill St.	2.8 metres south of curb 2.4 metres west of west building line	Trunk contorted, in decline	N/A
35	Manitoba Maple	<i>Acer negundo</i>	11	5	4	1.8	City	fair	Very Poor	Very Poor	26 Old Yonge St.	2.2 metres south of south property line 8.7 metres west of west building line of coach house		N/A

36	Manitoba Maple	<i>Acer negundo</i>	10	5	2	1.8	City	Good	Fair	Fair	26 Old Yonge St.	0.2 metres south of south property line of 15 Mill St. 13.7 metres west of west building line of coach house	Tree protection fencing
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**Appendix 2 – Tree Preservation Plan**

**ATTACHED AS A SEPARATE DOCUMENT.  
MUST SUPPLEMENT THIS REPORT**

### Appendix 3 – Photos (Trees Are Centred)

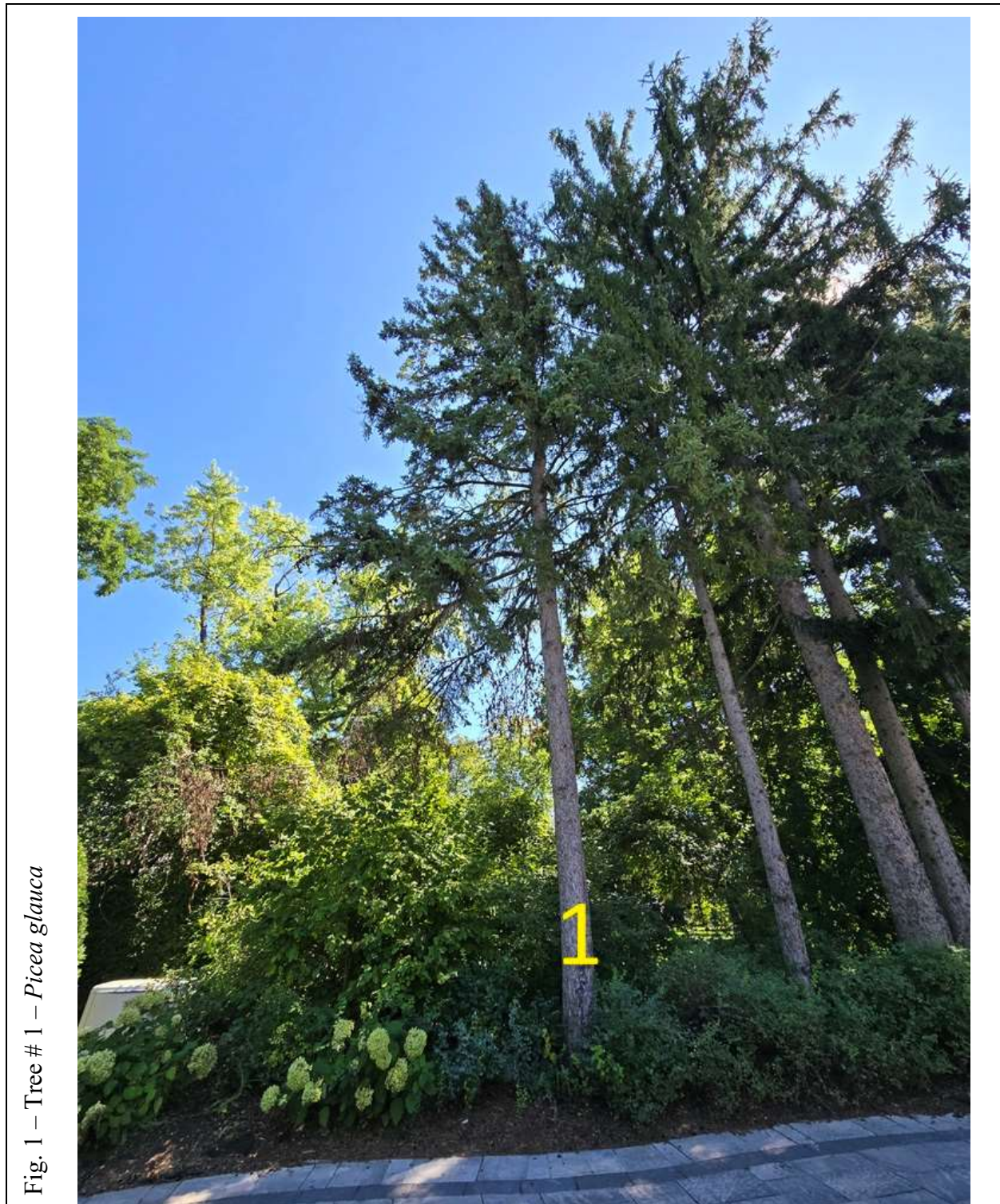


Fig. 1 – Tree # 1 – *Picea glauca*



Fig. 2 – Tree # 2 – *Picea glauca*





Fig. 3 – Tree # 3 – *Picea abies*





Fig. 4 – Tree # 4 – *Picea abies*





Fig. 5 – Tree # 5 – *Picea glauca*





Fig. 6 – Tree # 6 – *Picea abies* - Remove





Fig. 7 – Tree # 7 – *Pinus strobus* - Remove





Fig. 8 – Tree # 8 – *Picea abies* - Remove

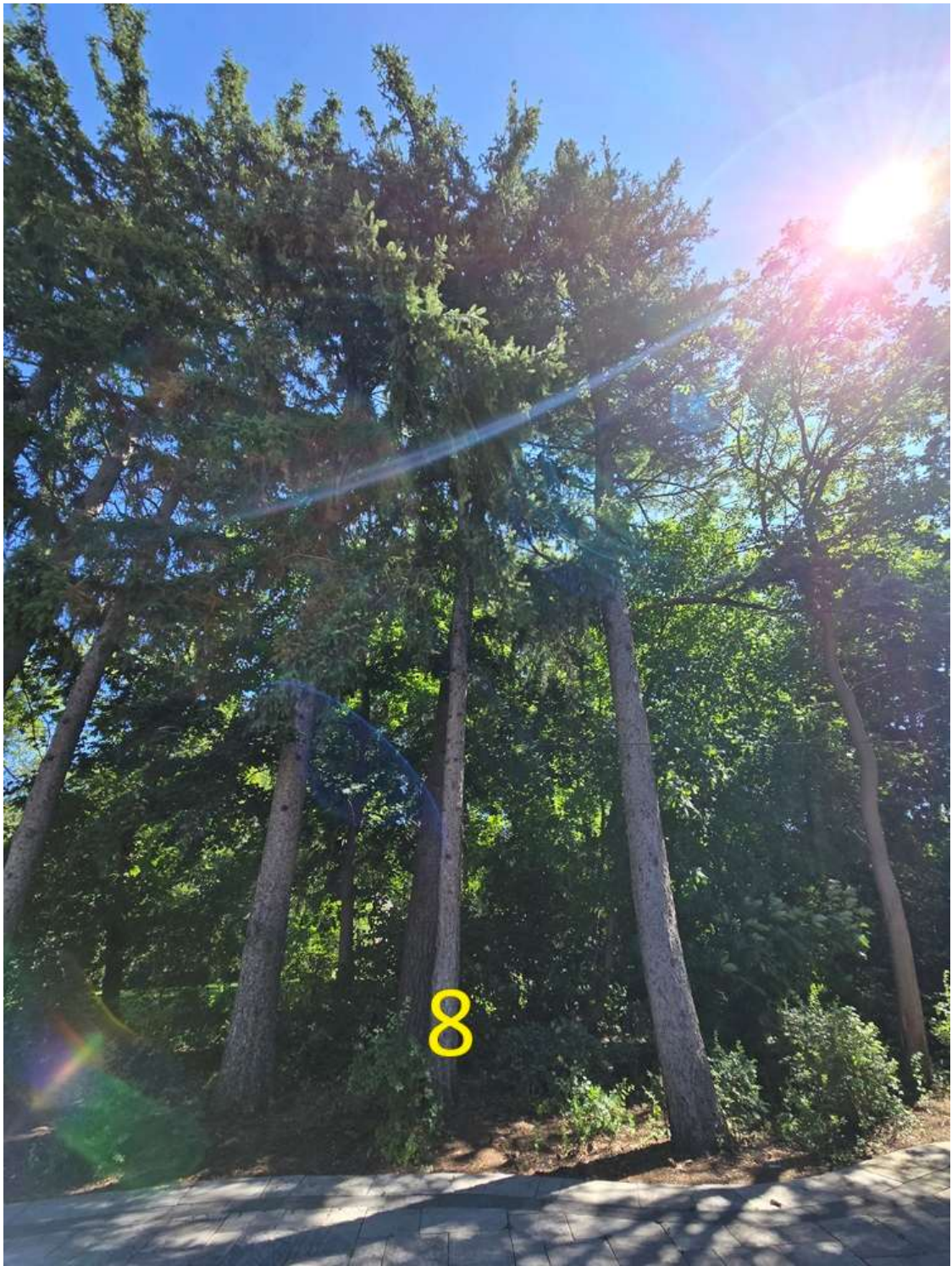




Fig. 9 – Tree # 9 – *Picea pungens* - Remove





Fig. 10 – Tree # 10 – *Morus alba* - Remove





Fig. 11 – Tree # 11 – *Thuja occidentalis* - Remove





Fig. 12 – Tree # 12 – *Acer negundo* - Remove





Fig. 13 – Tree # 13 – *Acer platanoides* - Remove

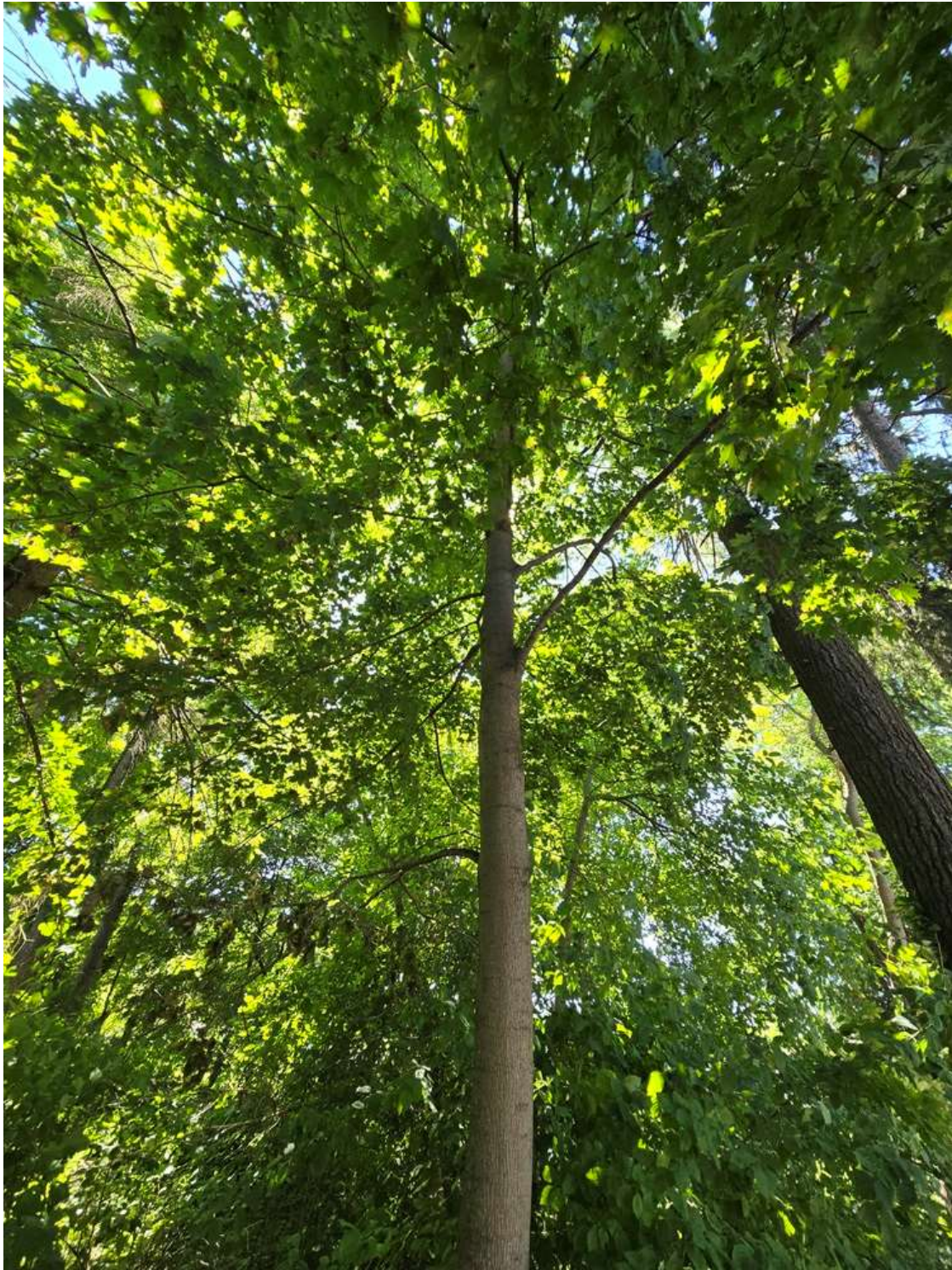




Fig. 14 – Tree # 14 – *Picea abies* – Initiate Service Request With City To Have Tree Removed





Fig. 15 – Tree # 15 – *Pinus resinosa* – Initiate Service Request With City To Have Tree Removed





Fig. 16 – Tree # 16 – *Prunus serotina*





Fig. 17 – Tree # 17 – *Acer platanoides*





Fig. 18 – Tree # 18 – *Pinus resinosa* – Initiate Service Request With City To Have Tree Removed





Fig. 19 – Tree # 19 – *Pinus resinosa* – Initiate Service Request With City To Have Tree Removed





Fig. 20 – Tree # 20 – *Acer saccharinum* – Remove





Fig. 21 – Trees # 20-21 – *Acer saccharinum*, *Acer negundo* - Remove





Fig. 22 – Trees # 21-22 – *Acer negundo*, *Prunus serotina*

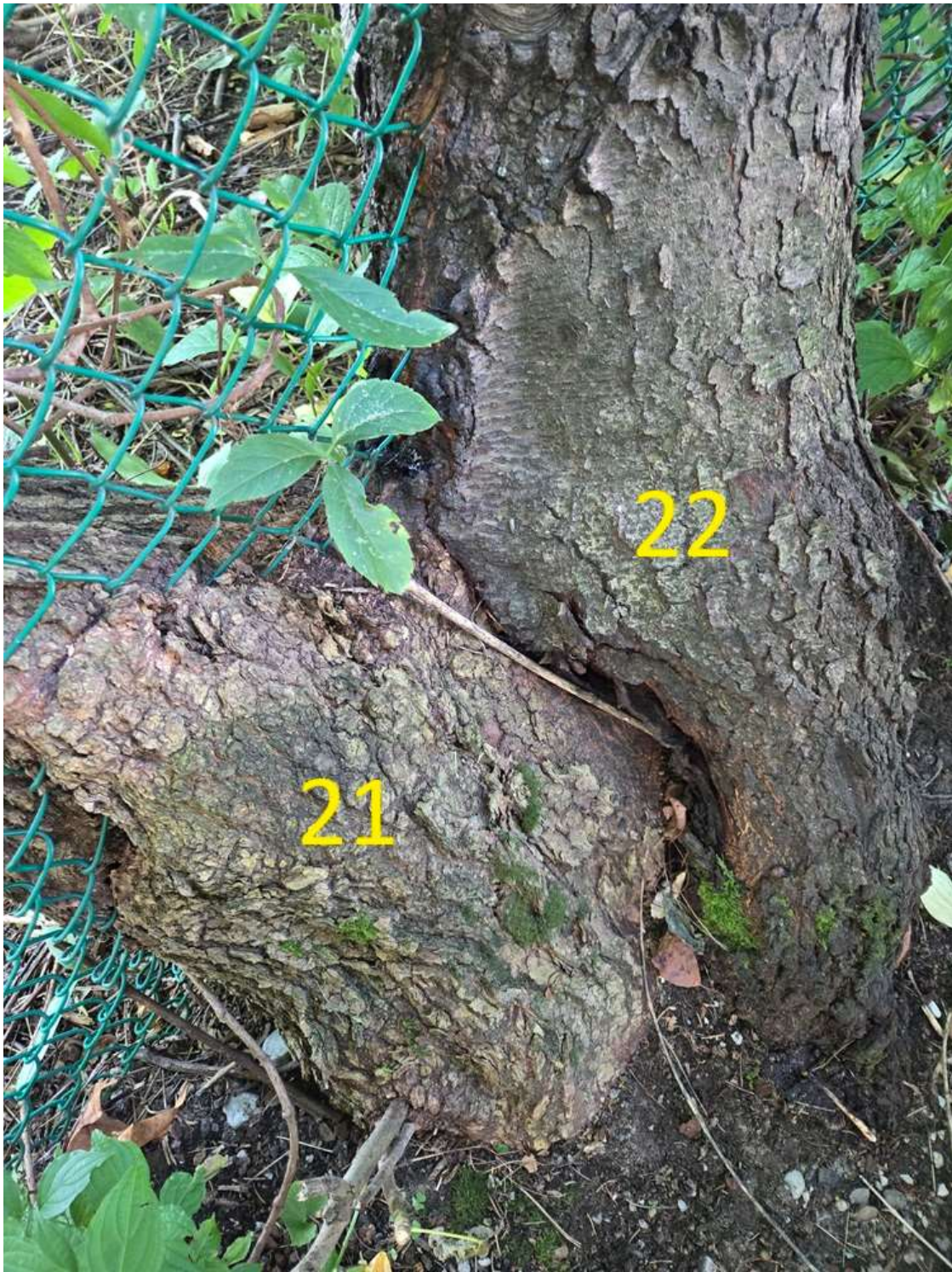




Fig. 23 – Tree # 22 – *Prunus serotina* - Remove





Fig. 24 – Tree # 23 – *Acer negundo* - Remove





Fig. 25 – Tree # 24 – *Picea abies* – Tree Protection Fencing + Horizontal Hoarding





Fig. 26 – Tree # 24 – *Picea abies* – Included Bark, Weak Attachment





Fig. 27 – Tree # 25 – *Thuja occidentalis*





Fig. 28 – Tree # 26 – *Thuja occidentalis*





Fig. 29 – Tree # 27 – *Thuja occidentalis*





Fig. 30 – Tree # 27 – *Thuja occidentalis*





Fig. 31 – Tree # 28 – *Thuja occidentalis*





Fig. 32 – Tree # 29 – *Thuja occidentalis*





Fig. 33 – Tree # 30 – *Liriodendron tulipifera*





Fig. 34 – Tree # 31 – *Thuja occidentalis*





Fig. 35 – Tree # 32 – *Pinus nigra*





Fig. 36 – Tree # 33 – *Picea abies*





Fig. 37 – Tree # 34 – *Pinus sylvestris*





Fig. 38 – Tree # 35 – *Acer negundo*





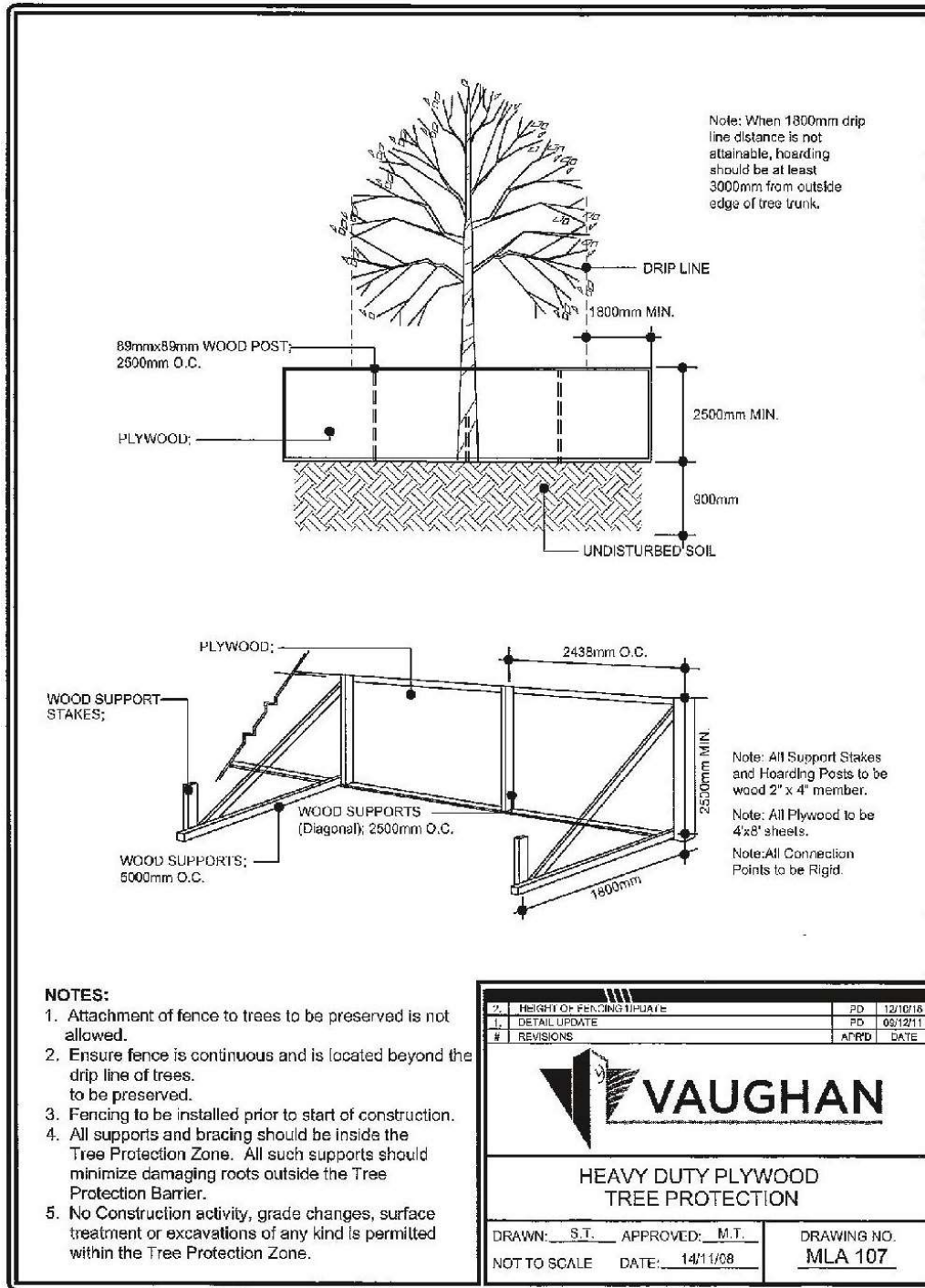
Fig. 39 – Tree # 36 – *Acer negundo*





## Appendix 4 - Hoarding (Temporary Tree Protection Fencing) Details

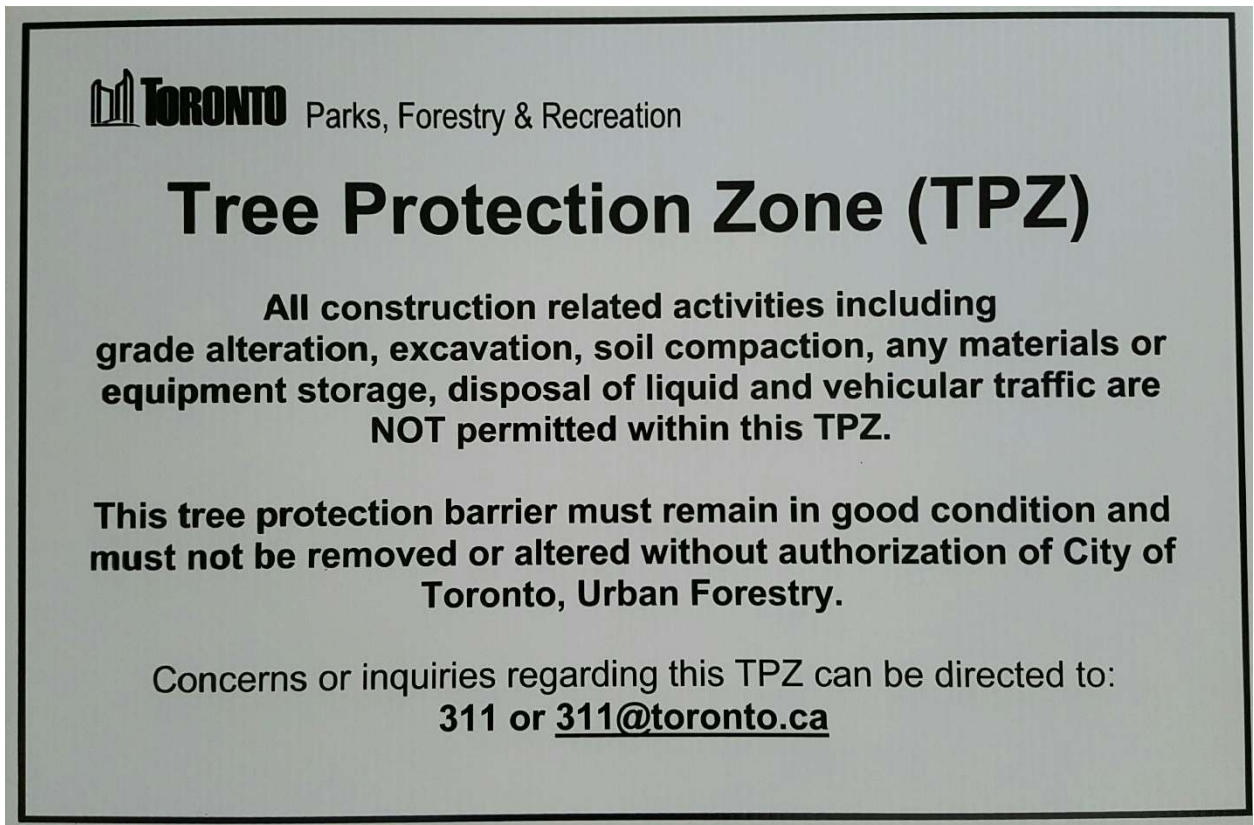
Figure 1 - Standard Hoarding Detail





## Appendix 5 - Tree Protection Sign

A sign resembling the sign below shall be mounted on in a conspicuous area on all sides of the Tree Protection Fencing. This is a sample only.



## Appendix 6 - References

1. A silvicultural guide to managing southern Ontario forests. (2000). [Toronto]: [Ministry of Natural Resources].
2. Anderson, H. and Corlett, A. (2004). *Ontario tree marking guide*. [Toronto]: Ministry of Natural Resources.
3. Dunster, J., Smiley, E., Matheny, N. and Lilly, S. (n.d.). *Tree risk assessment manual*.
4. Fite, K. and Smiley, E. (2008). *Best management practices - Managing trees during construction*. Champaign, IL: International Society of Arboriculture.
5. Gilman, E. (2002). *Best management practices – Tree Pruning*. Champaign, IL: International Society of Arboriculture.
6. Matheny, N. and Clark, J. (2008). *Municipal specialist certification study guide*. Champaign, IL: International Society of Arboriculture.
7. Lily, Sharon. *Glossary Of Arboricultural Terms*. 1st ed. Champaign: International Society of Arboriculture, 2015. Print.
8. Vaughan.ca. (2018). *Tree Bylaws and Policies*. [online] Available at: [https://www.vaughan.ca/services/residential/parks\\_forestry\\_operations/forestry\\_services/tree\\_bylaws/Pages/default.aspx](https://www.vaughan.ca/services/residential/parks_forestry_operations/forestry_services/tree_bylaws/Pages/default.aspx) [Accessed 23 Feb. 2024].



## Appendix 7 - Arborist Qualifications



Mark Ellis is the owner/operator at Cinerea Urban Forestry Services which was founded in 2015. Cinerea prepares approximately 300 tree related reports per year. Most of these reports are in the municipalities of Toronto, Richmond Hill, Markham, Aurora, Newmarket, Vaughan, and Caledon. The bulk of these consist of non-construction related arborist reports as well as construction related arborist reports and tree protection/preservation plans and replanting plans.

Mark has 18 years industry related experience and has previous experience in working with Forests Ontario (formerly Ontario Forestry Association and Trees Ontario, International Society of Arboriculture - Ontario Chapter, 7 Oaks Tree Care, City of Toronto (Urban Forest Renewal), City of Toronto (Forest Health Care), Regional Municipality of Wood Buffalo (Arborist), and Davey Tree Expert Company.

### Education

- Sir Sandford Fleming – Forest Technician Diploma

### Industry Related Certifications

- ISA Board Certified Master Arborist Municipal Specialist # ON-1686BM (2013-2025)
- ISA Tree Risk Assessment Qualification (TRAQ) (2013-2028)
- ASCA Tree and Plant Appraisal Qualification (2019-2024)
- MOECC Butternut Health Assessor #532 (2014-2024)
- Ontario Certified Seed Collector #383
- Ontario MOE Pesticide License #046418 (Forestry, Industrial Vegetation, & Landscape Exterminator) (2014-2024)
- OFSWA Chainsaw Operator Certification
- Arboriculture Canada – Technical Tree Falling & Cutting
- Certified Ontario Tree Marking Course
- SP-102 Forest Industry Wildland Firefighting

### Member

- International Society of Arboriculture Member #221000
- International Society of Arboriculture Ontario Chapter Member #221000
- Tree Care Industry Association



# The International Society of Arboriculture

Hereby Announces That

*Mark Matthew Ellis*

Has Earned the Credential

## ISA Board Certified Master Arborist®

By successfully meeting ISA Board Certified Master Arborist certification requirements through demonstrated attainment of relevant competencies as supported by the ISA Credentialing Council

Caitlyn Pollihan  
CEO & Executive Director

2 April 2016

30 June 2025

ON-1686BM

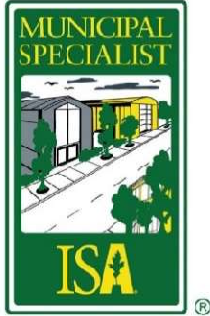
Issue Date

Expiration Date

Certification Number







# The International Society of Arboriculture

Hereby Announces That

*Mark Matthew Ellis*

Has Earned the Credential

## ISA Certified Arborist Municipal Specialist®

By successfully meeting ISA Certified Arborist Municipal Specialist certification requirements through demonstrated attainment of relevant competencies as supported by the ISA Credentialing Council

Caitlyn Pollihan  
CEO & Executive Director

15 July 2016	30 June 2025	ON-1686BM
Issue Date	Expiration Date	Certification Number





# The International Society of Arboriculture

Hereby Announces That

*Mark Matthew Ellis*

Has Earned the Credential

## ISA Tree Risk Assessment Qualification®

By successfully meeting ISA Tree Risk Assessment Qualification certification requirements through demonstrated attainment of relevant competencies as supported by the ISA Credentialing Council

*Caitlyn Pollihan*  
Caitlyn Pollihan  
CEO & Executive Director

10 August 2013	10 August 2028
-----	-----
Issue Date	Expiration Date







# *The American Society of Consulting Arborists*

*in recognition of fulfillment of specified requirements  
confers upon*

## **Mark Ellis**

*Tree and Plant Appraisal Qualification  
Effective October 1, 2019–October 1, 2024*

John S. Leffingwell, RCA #442  
President



Thérèse O. Clemens, CAE  
Executive Director