

Tree Conservation Report

1600 James Naismith Drive

September 28, 2022

Prepared for:

1600 James Naismith LP

Prepared by:

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With revised drawings dated December 16, 2022



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Prepared by

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Glossary

Critical Root Zone (CRZ)

Zone under a tree where there should be no disturbance before, during and after construction. The CRZ is established as being 10 centimetres from the trunk of a tree for every centimetre of trunk diameter.

Diameter at Breast Height (DBH)

Diameter of a tree trunk measured at 1.4 metre above ground, standardized by the Council of Tree and Landscape Appraisers and the International Society of Arboriculture. DBH are generally measured in centimetres.

Dieback

Condition in which the ends of the branches are dying.

Distinctive Tree

Any tree, growing on a private property with a

- DBH of 30 centimetres or greater, within the City of Ottawa Inner Urban Area (City of Ottawa Tree Protection By-law 2020-340); and
- DBH of 50 centimetres or greater, within the City of Ottawa Suburban Area (City of Ottawa Tree Protection By-law 2020-340).

Drip Line

Perimeter of the area under a tree delineated by the crown.

Health Condition

Tree Health Condition of each trees is defined as one of the following:

- Good: Defects, if present, are minor (i.e., twig dieback, small wounds) and canopy foliage is full with limited defective parts (i.e. limb up to 5cm in diameter). Overall colour and terminal shoot growth appear normal for the species.
- Fair: Defects are visually present (i.e., dead scaffold limbs) and canopy foliage may be thinner than normal compared to the species with defective parts considered moderate in size

(i.e. limb greater than 5cm in diameter). Overall colour and terminal shoot growth appear abnormal for the species.

- Poor: Defects are visually severe (i.e. trunk cavities) and canopy foliage is thin with significant defective parts (i.e. majority of crown). Overall colour appear abnormal for the species with minimal terminal shoot growth.
- Declining / Dead: Tree is dead or in severe decline with low chance for recovery. Canopy foliage is sparse, if present.

Leader

The primary terminal shoot or trunk of a tree.

Ownership (Tree)

As defined by the City of Ottawa Tree Protection By-law 2020-340:

- Private: Tree growing on the subject site.
- Boundary: Tree of which any part of the trunk is growing across one of more property lines.
- Adjacent: Tree whose trunk is growing on a property sharing a boundary with the subject site.
- City / Municipal: Tree municipally owned.

Sapling

A young tree measuring one (1) to two (2) metres high and having a DBH of two (2) to four (4) centimetres.

Scaffold Branches

The permanent or structural branches of a tree.

Seedling

A plant grown from a seed with a height of not more than one (1) metre.

Significant Tree

Tree / shrub deemed valuable because it is unusually beautiful or distinctive, comparatively old, distinctive in size or structure for its species, rare or unusual in the subject area, provides a habitat for rare or unusual wildlife species in the subject area, or has an historical, cultural, or landmark significance.



Significant Woodland Woodland that contains mature stands of trees 80 years or older, have

interior forest habitat more than 100 metres from forest edge, and are

adjacent to a surface water feature.

Specimen Tree Individual tree located in the middle of a field or open space. A

specimen tree is not automatically a significant tree.

Stress Any factor that negatively affects the health of a tree.

Structural Defect Flaws, decay, or other faults in the trunk, branches, or root collar of a

tree, which may lead to failure.

Topping (Topped) Cutting back a tree to buds, stubs, or laterals not large enough to

become a new leader on the tree.

Tree Protection Zone (TPZ) The area surrounding a tree that is marked and fenced off and where

there is no storage of materials of any kind, no parking or moving of

vehicles, and no disturbance of the soil or grade.

trunk or branch of a tree. In an urban environment, shoots are often associated with stress to the tree. Trees with severe dieback due to winter injury, drought and salt spray often produce many shoots as a means of compensating for the loss of leaf surface due to stress or

injury.

Tree Suckers Tree suckers are sprouts that form from the roots of existing trees and

tend to form new trees or shrubs. In an urban environment suckers can be associated with stress to the tree and are prevalent after a disturbance such as when mature trees are cut down. Some tree

species have the tendency to sucker.

Vigour Overall health; capacity to grow and resist stress.

INTRODUCTION

1.0 INTRODUCTION

1.1 BACKGROUND AND OBJECTIVES

Stantec Consulting Ltd. was retained by 1600 James Naismith LP to complete a Tree Conservation Report in support of the redevelopment of the property located at 1600 James Naismith Drive transforming an existing eight-storey commercial / office tower building to a residential apartment building with associated parking. This project is Phase 1 of the overall site redevelopment which is planned to include a medium-density development featuring several blocks of stacked townhouses in the existing western parking area as part of Phase 2, and two (2) apartment building towers north of the existing building during Phase 3 of this property redevelopment.

This Tree Conservation Report provides a review of the site redevelopment and anticipated impacts to trees growing on this property for the development of Phase 1 of the redevelopment. The objectives of this report are to:

- Describe the existing trees growing on site. The description of the trees includes species, size, and health condition.
- Assess the environmental value and tolerance to site disturbances for retention of the existing trees based on construction clearances.
- Evaluate the anticipated impact(s) of the proposed development on the existing trees.
- Provide recommendations related to tree protection and mitigation measures to reduce negative impacts on the trees to be retained.
- Provide recommendations for the development of a compensation planting plan.

1.2 SUBJECT SITE

The Subject Site, or 1600 James Naismith Drive, is located at the cul-de-sac of Telesat Court, south of Regional Road 174, west of Blair Road, and north of Queensway Park. The Subject Site is also connected to the Blair LRT Station and Blair commercial area via a pedestrian bridge over Regional Road 174 as illustrated on **Figure 1** below. Currently, the site is landscaped with a mix of mature deciduous and coniferous trees, shrub beds, and accent stone walls.



INTRODUCTION



Figure 1 Study Area

The property is 3.64 hectares (8.99 acres) in size. By its location within the City of Ottawa, the project site is situated within the City of Ottawa Inner Urban Area as defined by Schedule F of the City of Ottawa's Tree Protection By-law (By-law No. 2020-340) (City of Ottawa 2021a). Under this by-law, "all trees 10 cm or more in diameter at breast height on private properties with the urban area that are over 1 hectare in size" are considered "protected trees" and may not be injured or removed without a Tree Removal Permit issued by the City of Ottawa. The City of Ottawa's Tree Protection By-law was used to framework the tree assessment and tree retention mitigation recommendations for this project. Trees 10 centimetres (cm) DBH or greater have been assessed in terms of species, sizes, and overall health conditions; as required by the City of Ottawa.

TREE ASSESSMENT

2.0 TREE ASSESSMENT

On March 22, 2022, Stantec carried out an inventory of trees found within the identified study area for the Phase 1 redevelopment of 1600 James Naismith Drive in Ottawa. The tree inventory was completed using the framework outlined by the *City of Ottawa's Tree Protection By-law* (By-law No. 2020-340) (City of Ottawa 2021a) for tree assessments. Tree species were determined, diameter at breast height (DBH) were measured, and overall health conditions were assessed during this tree assessment investigation.

2.1 METHODOLOGY

The assessment of trees growing within the identified Phase 1 redevelopment area of 1600 James Naismith was completed as part of this tree investigation. In addition, trees growing on the north edge of Queensway Park (within 4 metres (m) of the property line) and western edge of the property to the east were also assessed. All trees with a DBH of 10 cm or greater were assessed as required by the *City of Ottawa's Tree Protection By-law*. Additional trees planted in the last 10 years and with a DBH of less than 10 cm were also assessed considering some work required for Phase 1 of the redevelopment may extend to these trees.

Trees were measured using a metric measuring tape. Tree locations was determined using general information provided in the topographical survey prepared by Stantec Geomatics Ltd dated January 2022 and site observations. Although some trees are shown on the topographical survey not all trees on this Subject Site have been surveyed by a surveyor; as a result all trees should be confirmed on site at time of the layout of the new site features. In total, 139 individual trees were assessed for this Phase 1 redevelopment project including four (4) trees growing in Queensway Park, three (3) trees growing on the property to the east, and 20 trees with a DBH of less than 10 cm.

During the tree assessment investigation, the species were determined based on bark and buds identification. Furthermore, a visual assessment was conducted of their health condition where the vigor was assessed based on visible defects only.

2.2 OBSERVATIONS

Currently, the site is landscaped with a mix of mature deciduous and coniferous trees, shrub beds, and accent stone walls. Within the tree assessment area for this project, a total of 119 trees with a DBH equal to or greater than 10 cm were assessed with an additional 20 trees having a DBH smaller than 10 cm assessed because they may be impacted by construction works. On site, Stantec identified 14 different tree species. A total of 41 trees or 34.5% of the trees are considered Distinctive Trees (i.e. tree 30cm DBH or greater (City of Ottawa 2021a)) by the *City of Ottawa's Tree Protection By-law* and were surveyed on site and on the adjacent properties. The tree health for all trees in this surveyed area varied from good to fair with limited presence of trees in poor conditions.



TREE ASSESSMENT

The Tree Assessment Table (i.e. species, DBH, and health conditions) is provided in **Appendix A** of this report with photographs depicting the general existing treed areas provided in **Appendix B**. The locations of all trees inventoried as part of this tree investigation are provided on the accompanying *Current Vegetation Plan (TC01)* included in **Appendix C** of this report. The following sections provide the description of the qualities of the trees growing on the Subject Site; only the trees with a DBH of 10 cm or greater are included in the review of the qualities of the trees.

2.2.1 Tree Species Distribution

Overall, the Subject Site offers a good diversity of tree species, including a mix of deciduous and coniferous trees. The trees growing on the Subject Site also include a mix of native and non-native species with more than 85% of the tree species being non-native. The breadth and frequency of species inventoried is depicted in **Table 1 Tree Species Summary** below.

Table 1 Tree Species Summary

Species - Botanical Name	Species – Common Name	Quantity	Distribution (%)
Tilia cordata	Littleleaf Linden	31	26.1
Pinus nigra	Black Pine	27	22.7
Picea pungens	Colorado Spruce	19	16.0
Gleditsia triacanthos	Honeylocust	13	10.9
Acer ginnala	Amur Maple	7	5.9
Malus spp.	Crabapple	6	5.0
Acer saccharum	Sugar Maple	5	4.2
Picea glauca	White Spruce	3	2.5
Acer rubrum	Red Maple	2	1.7
Pinus resinosa	Red Pine	2	1.7
Betula papyrifera	White Birch	1	0.8
Picea abies	Norway Spruce	1	0.8
Populus tremuloides	Trembling Aspen	1	0.8
Quercus macrocarpa	Bur Oak	1	0.8
	TOTAL	119	100%

2.2.2 Tree Size Distribution

Overall, the predominant size of trees growing within the study area included 65.5% of trees with a DBH of less than 30 cm. Based on the *City of Ottawa's Tree Protection By-law* (By-law No. 2020-340) (City of Ottawa 2021a), the remaining 34.5% of the trees (41 trees) are considered Distinctive Trees.



TREE ASSESSMENT

The size distribution for the trees inventoried and growing within the study area is depicted in **Table 2** below. It should be noted all trees in declining health are also included in the Tree Size Summary Table below.

Table 2 Tree Size Summary (based on DBH)

10 to 29cm DBH		30 to 49 cm DBH	Equal or Over 50cm DBH	TOTAL
No. of Trees	78	39	2	119
Distribution (%)	65.5	32.8	1.7	100%

2.2.3 Tree Health Condition Distribution

The condition or health of trees growing within the study area was found to be generally good, with more than 65% of the trees being in good to good/fair conditions. Some common health observations include the following:

- The Distinctive Trees (i.e. tree 30cm DBH or greater (City of Ottawa 2021a)) as defined by the *City of Ottawa's Tree Protection By-law* and accounting for 34.5% (41 trees) of the trees assessed are generally in good conditions with only two (2) being considered as "poor/declining" and two (2) considered in poor health conditions.
- No dead trees were observed within the study area.

The health condition distribution for the trees inventoried within the study area is depicted in Table 3 below.

Table 3 Tree Health Condition Distribution

	Good to Good/Fair	Fair to Fair/Poor	Poor to Poor/Declining	Dead	TOTAL
No. of Trees	82	24	13	0	119
Distribution (%)	68.9	20.2	10.9	0	100%

2.2.4 Species-at-Risk and Other Trees of Interest

No Species-at-Risk tree (i.e., Butternut trees and Black Ash) were observed on site during the tree assessment investigation.

2.3 VEGETATION QUALITY AND SUITABILITY FOR RETENTION

Although a good portion of trees growing on this property show good health conditions, other factors should be evaluated when establishing the suitability for retention of a tree. These factors include the following:

- Location of the tree within the construction area;
- Structural condition of the tree:



TREE ASSESSMENT

- Age and expected longevity of the tree;
- Species response and tolerance to disturbance; and
- Species invasiveness.

By considering all the factors listed above, trees recommended for retention will have a higher chance of responding positively to new site conditions for an extended period of time providing a safe environment for the property users.



PROPOSED DEVELOPMENT & TREE PROTECTION RECOMMENDATIONS

3.0 PROPOSED DEVELOPMENT & TREE PROTECTION RECOMMENDATIONS

3.1 PROPOSED DEVELOPMENT

For this project, the property owner intends to redevelop the property located at 1600 James Naismith, at the end of Telesat Court, transforming an existing eight-storey commercial / office tower building to a residential apartment building with associated parking. This project is considered Phase 1 of the overall site redevelopment which is planned to include a medium-density development featuring several blocks of stacked townhouses in the existing western parking area as part of Phase 2, and two (2) apartment building towers north of the existing building during Phase 3 of this property redevelopment.

The site plan and civil design developed for this project were used to determine tree retention and recommendations for tree removals where impacts to trees are anticipated as a result of the Phase 1 redevelopment of the Subject Site. A copy of the Site Plan and civil design are included in **Appendix D** of this report. The proposed Phase 1 redevelopment site works include the realignment of James Naismith Drive, the addition of a parking area in front of the converted office building into residential apartments, and new walkways and terraces to provide public and private amenity spaces for the residents. The conversion of this office building into residential units will also require updates to underground services.

3.1.1 IMPACTS OF PROPOSED DEVELOPMENT

The following is a summary of the anticipated impacts on existing trees as a result of the proposed Phase 1 redevelopment of the Subject Site. All trees impacted by the proposed development on the subject sites are illustrated on drawing **TC03 – Proposed Development and Conserved Vegetation**, inserted in Appendix C.

3.1.1.1 Excavation Requirements

The excavation approach for the Phase 1 redevelopment project is anticipated to be limited considering there is no proposed construction for a new building. The excavation requirements during Phase 1 are associated to new stairs and retaining walls to provide access to basement units located at the back of the building.

3.1.1.2 Site Works and Tree Removals

Tree removals will be required in the areas requiring excavation as indicated above and for the provision of the new residential parking lot to be located east of the existing building. Trees proposed for removal are predominantly located along the drive aisles to the east of the building. A total of 56 private trees are proposed for removal to allow for the Phase 1 redevelopment of the Subject Site including six (6) trees with



PROPOSED DEVELOPMENT & TREE PROTECTION RECOMMENDATIONS

a DBH of less than 10 cm. The list of all trees to be removed is provided on drawing **TC04 – Tree Protection Table** inserted in Appendix C.

The following provides general characteristics of the trees 10 cm or greater to be removed to allow for the site improvements:

- More than 65% of the trees to be removed have a DBH of 29 cm or less.
- A total of 16 Distinctive Trees (32% of all trees 10 cm or greater to be removed) are proposed to be removed. From these 16 Distinctive Trees, three (3) are in poor/declining health.
- From all 13 trees inventoried and assessed to be in poor to poor/declining health, seven (7) trees (14% of all trees 10 cm or greater to be removed) are to be removed.
- A total of 38 trees (76% of the trees 10 cm or greater to be removed) are considered in good to good/fair health conditions.
- Trees to be removed are divided into 9 different tree species with the most trees to be removed being black pines (*Pinus nigra* 30% of the trees 10 cm or greater to be removed), littleleaf linden (*Tilia cordata* 22% of the trees 10 cm or greater to be removed), and honeylocust (*Gleditsia triacanthos* 16% of the trees 10 cm or greater to be removed).

3.2 TREE PROTECTION RECOMMENDATIONS

To ensure tree survival of the trees to be retained during and after construction, mitigation measures should be in place during construction. Adequate protection of the trees to be retained and their immediate environment is crucial for the survival of these trees. As such, the Contractor shall apply the following measures to prevent damages to the trees to be retained.

3.2.1 Monitoring Tree Health

Trees located adjacent to construction works will experience change in their immediate environment. As a result, tree health should be monitored. Photographs of trees to remain should be taken prior to construction, if possible, when the trees are in full leaf, as a record of their condition.

Monitoring tree health both during and after construction should be made a priority. Actions should be taken as early as possible if / when the health of a protected tree declines. Damages may include:

- Physical damage on tree bark.
- Broken branches.
- Compaction of root systems due to equipment and materials stored within the protected areas.
- Cutting of the roots; and
- Root exposure following excavation adjacent to trees to be preserved.

Services of a Certified Arborist should be used in order to give adequate care to damaged trees.

Trees that have died or have been damaged beyond repair by the Contractor during construction shall be removed and replaced by the Contractor as directed by the Contract Administrator at no cost for the owner.



PROPOSED DEVELOPMENT & TREE PROTECTION RECOMMENDATIONS

3.2.2 Protecting Trees to be Retained

All trees to remain shall be preserved and protected using a temporary tree protection fence. The roots of a tree are located in the top 150 to 250 millimetres of soil and can very easily be inadvertently damaged. To support protection of the root system of trees to remain, temporary tree protection fencing shall be installed at the critical root zone (CRZ) of trees located inside or adjacent to the construction area. The CRZ of a tree is the zone around the trunk where there should be no disturbance before, during, and after construction. The CRZ is established as being 10 centimetres from the trunk for every centimetre of trunk diameter. For trees with a DBH of less than 10 centimetres, the CRZ is established as 1.5 metre from the trunk.

Temporary tree protection fencing shall be installed according to the Tree Protection Fence detail inserted on drawing **TC-05 – Tree Conservation Details**. Fencing shall always be maintained in good repair during construction operations and shall only be removed upon completion and when agreed by the Contract Administrator. Temporary removal of fencing shall not be permitted without the approval from the Contract Administrator.

Within the CRZ of trees, as delineated by temporary tree protection fencing there should be:

- No disturbance or alteration of the existing grade without approval including addition of fill, excavation, or scraping of the soil.
- No installation of signs, notices or posters on trees.
- No storage of construction materials, surplus soil, construction waste, or equipment.
- No disposal (dumping or flushing) of contaminants or liquids; and,
- No movement of vehicles (personal or business), equipment or pedestrians.

Should disturbances or alterations within the tree protection zone be unavoidable, the following additional mitigation strategies are recommended:

3.2.3 Clearing and Grubbing of Trees

Any trees designated for removal and located outside a tree protected area will have the stumps completely excavated and removed unless such removal will adversely affect existing trees / ecology to remain. Utility locates should be completed prior to initiate any clearing and grubbing works.

3.2.3.1 Wildlife Protection

Clearing operations are prohibited between April 8 to August 28 of any year to protect breeding migratory birds and at-risk bat species. Should tree removal during this period be unavoidable, the contractor is required to retain the services of a qualified Biologist who will conduct a breeding migratory bird screening. This screening will identify and ensure there is no evidence of breeding migratory bird activities. Tree removal will be allowed within five (5) days of conducting the screening and confirming the absence of breeding migratory bird activities.



PROPOSED DEVELOPMENT & TREE PROTECTION RECOMMENDATIONS

3.2.4 Working within Protected Areas

3.2.4.1 Excavation Work

To ensure the roots are not disturbed more than necessary and where excavation works are unavoidable within the CRZ of trees, the following mitigation measures shall be used:

- All excavation within the CRZ of trees shall be by hand or hydro excavation using the smallest tools. Root cutting shall be made using a sharp spade or knife at the limit of disturbance prior to any construction activities.
- The Contractor shall only tunnel or bore within the CRZ, instead of creating a trench.
- Any roots that are exposed by construction activities must be covered with native topsoil immediately, to ensure that the roots do not dry out or have any further damage occur to them.

In all those instances where root pruning is required, the service of a Certified Arborist or Qualified Tree Worker under the supervision of a Certified Arborist shall be retained. In addition, all remedial works must be conducted by a certified care professional to ensure proper care is administered in order to enable the continued health of the trees.

3.2.4.2 Grading Work

Where re-grading is required within the CRZ, it should be performed by hand under the supervision of a Certified Arborist.

3.2.4.3 Root Protection

If any tree roots of trees to remain are exposed during construction, they should be immediately reburied with soil or temporarily covered with burlap, filter cloth, or woodchips and kept moist (i.e watering with a soft-spray nozzle at least three times a week). A covering plastic should be used in order to retain moisture during an extended period when watering may not be possible (i.e. over weekends).

3.2.5 Additional Protection Measures

The following mitigation measures shall also be respected:

- When working near vegetation, the Contractor shall ensure that exhaust fumes from all equipment are NOT directed towards any tree's canopy.
- Where limbs or portions of trees are removed to accommodate construction work, they will be removed carefully in accordance with accepted arboricultural practices.
- Where necessary, the trees will be given an overall pruning to restore their appearance. Not more than one-third of the total branching shall be removed during a single operation. The services of a Certified Arborist shall be retained for this task.



PROPOSED DEVELOPMENT & TREE PROTECTION RECOMMENDATIONS

3.3 COMPENSATION PLANTINGS

Proposed plantings for this project should consider the phasing of the Subject Site redevelopments. New trees should be proposed wherever possible, with preferred locations being softscape areas surrounding the existing building.

In general, it is recommended to plant a mix of native deciduous and coniferous trees that are non-invasive to Ottawa. A variety of trees will integrate the property with its surrounding context. Tree species selected to compensate tree loss shall not necessarily correspond to tree species removed from site. New trees should be a minimum of 50mm in caliper for all deciduous trees planted and minimum 200cm in height for all new coniferous trees planted. Proposed planting locations should be strategic based on site features with a goal to provide shade to site users. The planting of shrubs and perennials shall also be included as part of this site redevelopment. A mix of ornamental and native species shall be used to reflect the residential character of the neighbourhood and the type of development. New planting material shall be planted following horticultural planting standards.



CONCLUSION

4.0 CONCLUSION

This Tree Conservation Report was intended to provide a detailed description of the quality, diversity, and sizes of the trees growing within areas to be impacted by the proposed Phase 1 redevelopment works at 1600 James Naismith Drive. The Subject Site is located within the Inner Urban area of the City of Ottawa as defined by Schedule F of the City of Ottawa's Tree Protection By-law. Tree removals will be required to allow for the realignment of James Naismith Drive, the addition of a parking area in front of the converted office building into residential apartments, and new walkways and terraces to provide public and private amenity spaces for the residents. A total of 50 private trees 10 cm or greater are proposed for removal to allow for the Phase 1 redevelopment of the Subject Site including 16 Distinctive Trees as defined by the City of Ottawa's Tree Protection By-law.

To ensure survival of the trees to be retained, protection measures recommended in this report shall be applied. Preservation of those trees will be possible by limiting the footprint of the work area and visually delineating the protected zones from the construction zones. By installing a tree protection fence, damages to trunks, branches, and root systems will be limited. In addition, it is recommended to plant new trees in all softscape areas to provide greenery to the Subject Site; plantings of new trees should follow horticultural planting standards.

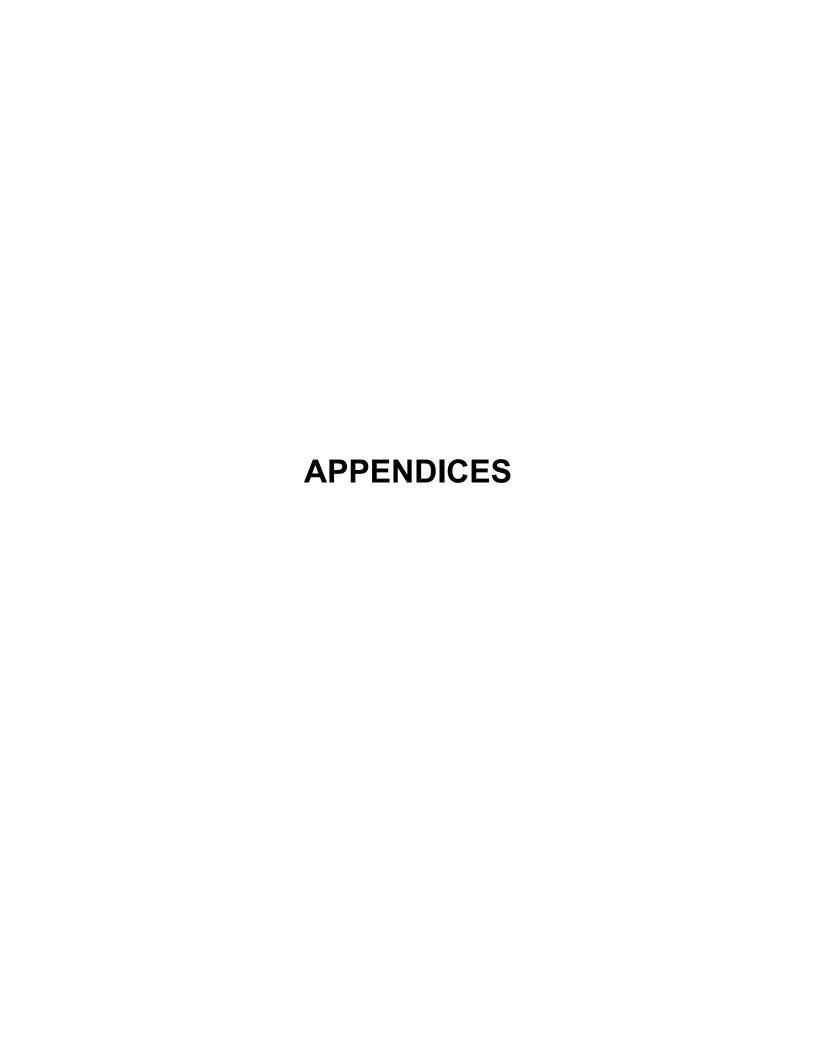
By following the mitigation recommendations outlined in this report and ensuring new plantings are included as part of this development, we believe this development will respond and blend in with the surrounding context.



REFERENCES

5.0 REFERENCES

City of Ottawa. 2021a. <u>Tree Protection By-law No. 2020-340.</u> Available: <u>www.ottawa.ca/en/living-ottawa/laws-licences-and-permits/laws/law-z/tree-protection-law-no-2020-340.</u>



Appendix A TREE INVENTORY TABLE

Appendix A TREE INVENTORY TABLE



EXISTING TREE SCHEDULE TREE ASSESSMENT CONDUCTED: March 22, 2022									
PLANT		COMMON NAME	DBH (CM)	HEALTH/ CONDITION	OWNERSHIP	REMARKS			
1	Pinus nigra	Black Pine	48	Good	Private				
2	Pinus nigra	Black Pine	42	Good	Private				
3	Acer ginnala	Amur Maple	10; 10;	Good	Private	Multistem (4 stems).			
4	Acer ginnala	Amur Maple	15; 12; 11; 17	Good	Private	Multistem (4 stems).			
5	Acer ginnala	Amur Maple	15; 12; 12; 13; 14; 11; 15	Good	Private	Multistem (7 stems).			
6	Gletitsia triacanthos	Honeylocust	18	Good	Private				
7	Gletitsia triacanthos	Honeylocust	15	Good	Private				
8	Acer rubrum	Red Maple	32	Good	Private				
9	Malus spp.	Crab Apple	27	Good	Private				
10	Malus spp.	Crab Apple	26	Good	Private				
11	Gletitsia triacanthos	Honeylocust	23	Good	Private				
12	Gletitsia triacanthos	Honeylocust	27	Good	Private				
13	Gletitsia triacanthos	Honeylocust	25	Good	Private				
14	Acer ginnala	Amur Maple	17; 14; 19; 20	Fair	Private	Multistem (4 stems). Visible abrasions and scars on trunk.			
15	Malus spp.	Crab Apple	22	Good	Private				
16	Malus spp.	Crab Apple	24	Good	Private				
17	Malus spp.	Crab Apple	26	Good	Private				
18	Pinus nigra	Black Pine	33	Fair	Private	Some dead branches and dieback possibly due to reduced quantity of sunlight.			
19	Pinus nigra	Black Pine	33	Fair	Private	Some dead branches and dieback possibly due to reduced quantity of sunlight.			
20	Pinus nigra	Black Pine	24	Fair	Private	Some dead branches and dieback possibly due to reduced quantity of sunlight.			
21	Picea glauca	White Spruce	30	Poor/Declining	Private	Many dead branches and dieback possibly due to reduced quantity of sunlight.			
22	Picea abies	Norway Spruce	34	Good	Private				
23	Picea pungens	Colorado Spruce	36	Good	Private				
24	Pinus nigra	Black Pine	36	Good	Private				
25	Pinus nigra	Black Pine	45	Good	Private				
26	Pinus nigra	Black Pine	30	Good	Private				
27	Pinus nigra	Black Pine	30	Good	Private				
28	Pinus nigra	Black Pine	42	Good	Private				
29	Pinus nigra	Black Pine	37	Good	Private				
30	Pinus nigra	Black Pine	22; 15	Fair	Private	Multistem (2 stems). Some dead branches and dieback possibly due to reduced quantity of sunlight.			
31	Pinus nigra	Black Pine	41	Good	Private				
32	Gletitsia triacanthos	Honeylocust	25	Good	Private				
33	Gletitsia triacanthos	Honeylocust	19	Good	Private				
34	Tilia cordata	Littleleaf Linden	32	Poor/Declining	Private	Many dead branches and dieback possibly due to reduced quantity of sunlight. Visible			
35	Tilia cordata	Littleleaf Linden	23	Poor/Declining	Private	Many dead branches and dieback possibly due to reduced quantity of sunlight and			
36	Tilia cordata	Littleleaf Linden	26	Poor	Private	Many dead branches and dieback possibly due to reduced quantity of sunlight. Leader			
37	Gletitsia triacanthos	Honeylocust	11	Good	Private				

	EXISTING TREE SCHEDULE TREE ASSESSMENT CONDUCTED: March 22, 2022								
PLANT ID	BOTANICAL NAME	COMMON NAME	DBH (CM)	HEALTH/ CONDITION	OWNERSHIP	REMARKS			
38	Tilia cordata	Littleleaf Linden	27	Good	Private				
39	Gletitsia triacanthos	Honeylocust	15	Good	Private				
40	Gletitsia triacanthos	Honeylocust	15	Good	Private				
41	Tilia cordata	Littleleaf Linden	30	Good	Private				
42	Tilia cordata	Littleleaf Linden	15	Good	Private				
43	Tilia cordata	Littleleaf Linden	30	Good	Private				
44	Tilia cordata	Littleleaf Linden	32	Good	Private				
45	Tilia cordata	Littleleaf Linden	32	Good	Private				
46	Pinus nigra	Black Pine	39	Good	Private	Few dead branches and dieback possibly due to reduced quantity of sunlight.			
47	Pinus nigra	Black Pine	31	Poor/Fair	Private	Some dead branches and dieback possibly due to reduced quantity of sunlight.			
48	Pinus nigra	Black Pine	44	Good	Private	Few dead branches and dieback possibly due to reduced quantity of sunlight.			
49	Pinus nigra	Black Pine	32	Fair	Private	Some dead branches and dieback possibly due to reduced quantity of sunlight.			
50	Picea pungens	Colorado Spruce	36	Good	Private				
51	Picea glauca	White Spruce	10	Good	Private				
52	Picea glauca	White Spruce	10	Good	Private				
53	Tilia cordata	Littleleaf Linden	30	Fair	Private	Leader have been cut.			
54	Tilia cordata	Littleleaf Linden	16	Poor/Declining	Private	Crown is dead.			
55	Tilia cordata	Littleleaf Linden	23	Fair	Private	Leader have been cut.			
56	Tilia cordata	Littleleaf Linden	16	Good	Private				
57	Tilia cordata	Littleleaf Linden	14	Fair/Good	Private	Leader have been cut.			
58	Tilia cordata	Littleleaf Linden	28	Poor	Private	Leader is cut.			
59	Tilia cordata	Littleleaf Linden	14	Fair	Private	Leader have been cut.			
60	Tilia cordata	Littleleaf Linden	15	Fair	Private	Leader have been cut and visible abrasion on trunk.			
61	Tilia cordata	Littleleaf Linden	17	Poor	Private	Leader is cut and visible abrasion on trunk.			
62	Tilia cordata	Littleleaf Linden	16	Good	Private				
63	Tilia cordata	Littleleaf Linden	14	Good	Private				
64	Tilia cordata	Littleleaf Linden	40	Good	Private				
65	Tilia cordata	Littleleaf Linden	15	Good	Private				
66	Tilia cordata	Littleleaf Linden	15	Good	Private				
67	Tilia cordata	Littleleaf Linden	14	Good	Private				
68	Tilia cordata	Littleleaf Linden	14	Poor	Private	Many dead branches and dieback possibly due to reduced quantity of sunlight. Leader			
69	Tilia cordata	Littleleaf Linden	14	Fair	Private	Leader is dead and visible abrasion on trunk.			
70	Tilia cordata	Littleleaf Linden	24	Fair	Private	Leader is dead.			
71	Tilia cordata	Littleleaf Linden	28	Fair	Private	Leader is dead.			
72	Tilia cordata	Littleleaf Linden	26; 11; 22	Good	Private	Multistem (3 stems).			
73	Quercus macrocarpa	Bur Oak	25	Good	Private				
74	Betula papyrifera	White Birch	38	Poor	Private	Visible abrasion on trunk and small canopy.			
75	Picea pungens	Colorado Spruce	11	Good	Private				
76	Picea pungens	Colorado Spruce	10	Good	Private				
77	Picea pungens	Colorado Spruce	27	Fair	Private	Some dead branches and dieback possibly due to reduced quantity of sunlight.			
78	Picea pungens	Colorado Spruce	10	Good	Private	. , , , , , , , , , , , , , , , , , , ,			
79	Picea pungens	Colorado Spruce	26	Poor	Private	Many dead branches and dieback possibly due to reduced quantity of sunlight.			

EXISTI	EXISTING TREE SCHEDULE									
TREE AS	REE ASSESSMENT CONDUCTED: March 22, 2022									
PLANT ID	BOTANICAL NAME	COMMON NAME	DBH (CM)	HEALTH/ CONDITION	OWNERSHIP	REMARKS				
80	Picea pungens	Colorado Spruce	28	Poor	Private	Many dead branches and dieback possibly due to reduced quantity of sunlight.				
81	Picea pungens	Colorado Spruce	24	Fair	Private	Some dead branches and dieback possibly due to reduced quantity of sunlight.				
82	Picea pungens	Colorado Spruce	23	Fair	Private	Some dead branches and dieback possibly due to reduced quantity of sunlight.				
83	Picea pungens	Colorado Spruce	22	Fair	Private	Some dead branches and dieback possibly due to reduced quantity of sunlight.				
84	Picea pungens	Colorado Spruce	30	Fair	Private	Some dead branches and dieback possibly due to reduced quantity of sunlight.				
85	Picea pungens	Colorado Spruce	21	Fair	Private	Some dead branches and dieback possibly due to reduced quantity of sunlight.				
86	Picea pungens	Colorado Spruce	21	Fair	Private	Some dead branches and dieback possibly due to reduced quantity of sunlight.				
87	Picea pungens	Colorado Spruce	27	Fair	Private	Some dead branches and dieback possibly due to reduced quantity of sunlight.				
88	Picea pungens	Colorado Spruce	32	Fair	Private	Some dead branches and dieback possibly due to reduced quantity of sunlight.				
89	Pinus nigra	Black Pine	23	Good	Private	· , , , , , , , , , , , , , , , , , , ,				
90	Pinus nigra	Black Pine	30	Good	Private					
91	Pinus nigra	Black Pine	26	Good	Private					
92	Pinus nigra	Black Pine	35	Good	Private					
93	Gletitsia triacanthos	Honeylocust	50	Good	Private					
94	Acer ginnala	Amur Maple	10; 9; 13; 9	Good	Private	Multistem (4 stems).				
95	Acer ginnala	Amur Maple	11; 10	Good	Private	Multistem (2 stems).				
96	Acer ginnala	Amur Maple	10; 8; 7	Good	Private	Multistem (3 stems).				
97	Gletitsia triacanthos	Honeylocust	35	Fair	Private	Visible abrasion on trunk.				
98	Gletitsia triacanthos	Honeylocust	33	Good	Private					
99	Populus tremuloides	Trembling Aspen	55	Poor	Municipal	Majority of crown is dead.				
100	Pinus nigra	Black Pine	45	Good	Private					
101	Pinus resinosa	Red Pine	24	Good	Municipal					
102	Pinus resinosa	Red Pine	21	Good	Municipal					
103	Malus spp.	Crab Apple	23	Good	Private					
104	Pinus nigra	Black Pine	21	Good	Private					
105	Pinus nigra	Black Pine	16	Good	Private					
106	Pinus nigra	Black Pine	21	Good	Private					
107	Acer rubrum	Red Maple	30	Good	Municipal					
108	Pinus nigra	Black Pine	24	Good	Private					
109	Pinus nigra	Black Pine	27	Good	Private					
110	Tilia cordata	Littleleaf Linden	28	Good	Private					
111	Tilia cordata	Littleleaf Linden	32	Poor/Declining	Private	Leader and crown are missing.				
112	Acer saccharum	Sugar Maple	30; 23	Good	Private	Multistem (2 stems).				
113	Acer saccharum	Sugar Maple	35	Good	Private					
114	Acer saccharum	Sugar Maple	22	Good	Adjacent					
115	Acer saccharum	Sugar Maple	29	Good	Adjacent					
116	Acer saccharum	Sugar Maple	24	Good	Adjacent					
117	Acer ginnala	Amur Maple	<10	Good	Private	Multistem.				
118	Acer ginnala	Amur Maple	<10	Good	Private	Multistem.				
119	Acer ginnala	Amur Maple	<10	Good	Private	Multistem.				
120	Acer ginnala	Amur Maple	<10	Good	Private	Multistem.				

EXIST	ING TREE SCHEDULE					
TREE AS	SSESSMENT CONDUCTED: I	March 22, 2022				
PLANT ID	BOTANICAL NAME	COMMON NAME	DBH (CM)	HEALTH/ CONDITION	OWNERSHIP	REMARKS
121	Amelanchier canadensis	Serviceberry	<10	Good	Private	Tree stakes and rubber hoses were not removed. Rubber hoses are starting to impact tree health.
122	Amelanchier canadensis	Serviceberry	<10	Good	Private	Tree stakes and rubber hoses were not removed. Rubber hoses are starting to impact tree health.
123	Amelanchier canadensis	Serviceberry	<10	Good	Private	Tree stakes and rubber hoses were not removed. Rubber hoses are starting to impact tree health.
124	Amelanchier canadensis	Serviceberry	<10	Good	Private	Tree stakes and rubber hoses were not removed. Rubber hoses are starting to impact tree health.
125	Acer ginnala	Amur Maple	<10	Good	Private	Multistem.
126	Acer ginnala	Amur Maple	<10	Good	Private	Multistem.
127	Acer ginnala	Amur Maple	<10	Good	Private	Multistem.
128	Picea pungens	Colorado Spruce	18	Good	Private	
129	Picea pungens	Colorado Spruce	13	Good	Private	
130	Picea pungens	Colorado Spruce	15	Good	Private	
131	Amelanchier canadensis	Serviceberry	<10	Good	Private	Tree stakes and rubber hoses were not removed. Rubber hoses are starting to impact tree health.
132	Amelanchier canadensis	Serviceberry	<10	Good	Private	Tree stakes and rubber hoses were not removed. Rubber hoses are starting to impact tree health.
133	Amelanchier canadensis	Serviceberry	<10	Good	Private	Tree stakes and rubber hoses were not removed. Rubber hoses are starting to impact tree health.
134	Amelanchier canadensis	Serviceberry	<10	Good	Private	Tree stakes and rubber hoses were not removed. Rubber hoses are starting to impact tree health.
135	Amelanchier canadensis	Serviceberry	<10	Good	Private	Tree stakes and rubber hoses were not removed. Rubber hoses are starting to impact tree health.
136	Malus spp.	Crab Apple	<10	Good	Private	Tree stakes and rubber hoses were not removed. Rubber hoses are starting to impact tree health.
137	Malus spp.	Crab Apple	<10	Good	Private	Tree stakes and rubber hoses were not removed. Rubber hoses are starting to impact tree health.
138	Thuja occidentalis	Pyramidal white cedar	<10	Good	Private	
139	Malus spp.	Crab Apple	<10	Good	Private	

Appendix B PHOTOGRAPHS





Photograph 1 – Main walkway leading to East Entrance



Photograph 2 - Trees and planting beds to the south





Photograph 3 – Trees and planting beds to the north



Photograph 4 – Trees and plantings beds bordering the loading ramp





Photograph 5 - West entrance and ramp



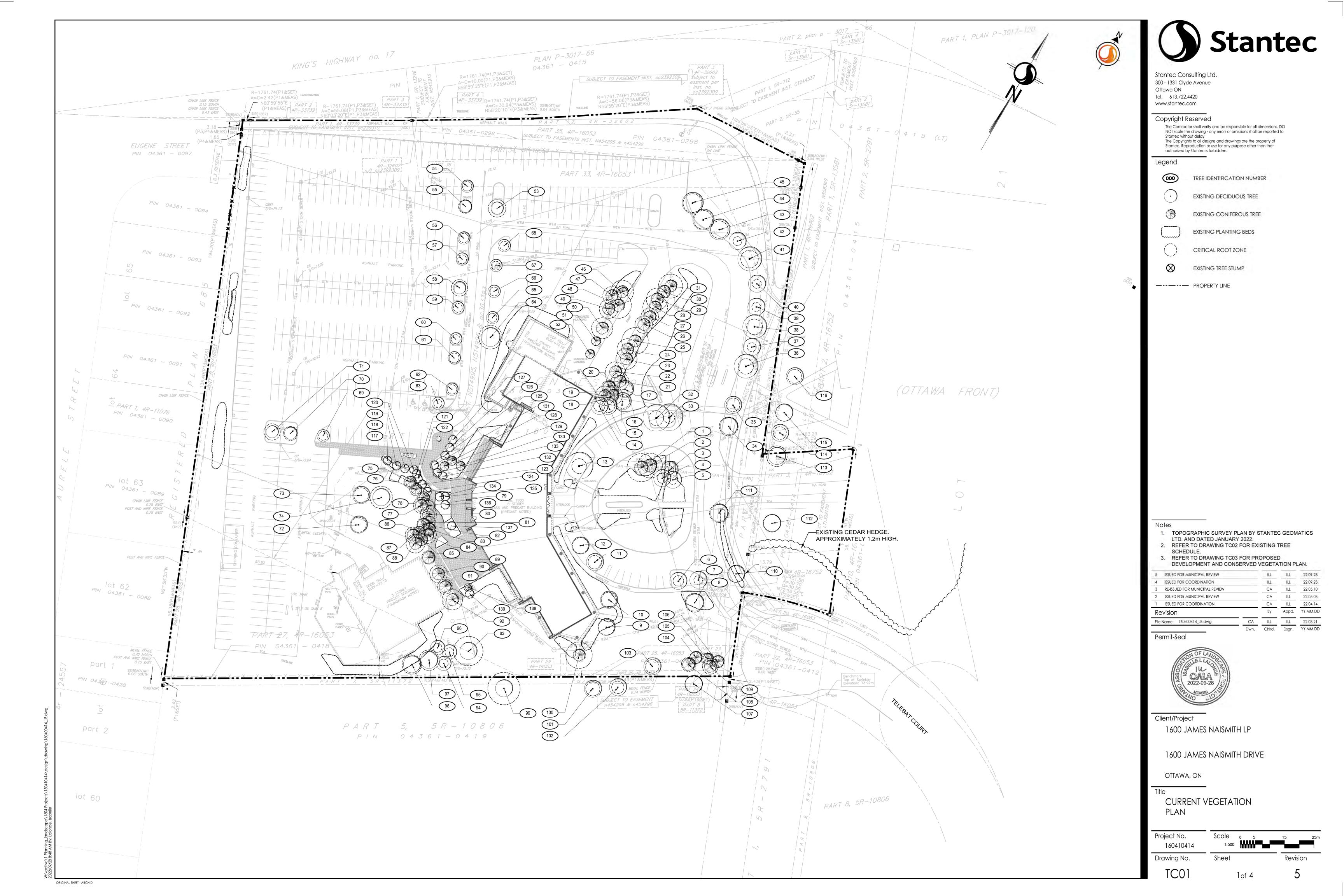
Photograph 6 – Plantings at the western terrace



Appendix C TREE CONSERVATION DRAWINGS

Appendix C TREE CONSERVATION DRAWINGS





REE A	TING TREE SCHEDU SSESSMENT CONDUCTED	PERSONAL PROPERTY AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON ADDRESS OF THE PERSO				
ID	BOTANICAL NAME	COMMON NAME	(CM)	HEALTH/ CONDITION	OWNERSHIE	REMARKS
1	Pinus nigra	Black Pine	48	Good	Private	
3	Pinus nigra Acer ginnala	Black Pine Amur Maple	42 10; 10;	Good Good	Private Private	Multistem (4 stems).
4	Acerginnala	Amur Maple	15; 12; 11; 17	Good	Private	Multistem (4 stems).
			15; 12;			
5	Acer ginnala	Amur Maple	12; 13; 14; 11;	Good	Private	Multistem (7 stems).
6	Gletitsia triacanthos	Honeylocust	15 18	Good	Private	
7	Gletitsia triacanthos	Honeylocust	15	Good	Private	
9	Acer rubrum Malus spp.	Red Maple Crab Apple	32 27	Good Good	Private Private	
10 11	Malus spp. Gletitsia triacanthos	Crab Apple Honeylocust	26 23	Good Good	Private Private	
12	Gletitsia triacanthos	Honeylocust	27	Good	Private	
13	Gletitsia triacanthos	Honeylocust	25 17; 14;	Good	Private	AND
14	Acer ginnala Malus spp.	Amur Maple Crab Apple	19; 20 22	Fair	Private Private	Multistem (4 stems). Visible abrasions and scars on trunk.
16	Malus spp.	Crab Apple	24	Good	Private	
17 18	Malus spp. Pinus nigra	Crab Apple Black Pine	26 33	Good Fair	Private Private	Some dead branches and dieback possibly due to reduced quantity of sunlig
19 20	Pinus nigra Pinus nigra	Black Pine Black Pine	33 24	Fair Fair	Private Private	Some dead branches and dieback possibly due to reduced quantity of sunlig Some dead branches and dieback possibly due to reduced quantity of sunlig
21	Picea glauca	White Spruce	30	Poor/Declining	Private	Many dead branches and dieback possibly due to reduced quantity of sunlig
22	Picea abies Picea pungens	Norway Spruce Colorado Spruce	34 36	Good Good	Private Private	
24	Pinus nigra	Black Pine	36	Good	Private	
25 26	Pinus nigra Pinus nigra	Black Pine Black Pine	45 30	Good Good	Private Private	
27 28	Pinus nigra Pinus nigra	Black Pine Black Pine	30 42	Good Good	Private Private	
29	Pinus nigra	Black Pine	37	Good	Private	Multistam/2 stame) Same dead beautiful to the
30	Pinus nigra	Black Pine	22; 15	Fair	Private	Multistem (2 stems). Some dead branches and dieback possibly due to reduce quantity of sunlight.
31 32	Pinus nigra Gletitsia triacanthos	Black Pine Honeylocust	41 25	Good Good	Private Private	
33	Gletitsia triacanthos	Honeylocust	19	Good	Private	
34 35	Tilia cordata Tilia cordata	Littleleaf Linden Littleleaf Linden	32 23	Poor/Declining Poor/Declining	Private Private	Many dead branches and dieback possibly due to reduced quantity of sunlig Many dead branches and dieback possibly due to reduced quantity of sunlig
36 37	Tilia cordata Gletitsia triacanthos	Littleleaf Linden Honeylocust	26 11	Poor	Private Private	Many dead branches and dieback possibly due to reduced quantity of sunlig
38	Tilia cordata	Littleleaf Linden	27	Good	Private	
39 40	Gletitsia triacanthos Gletitsia triacanthos	Honeylocust Honeylocust	15 15	Good	Private Private	
41	Tilia cordata	Littleleaf Linden	30	Good	Private	
42	Tilia cordata Tilia cordata	Littleleaf Linden Littleleaf Linden	15 30	Good Good	Private Private	
44 45	Tilia cordata Tilia cordata	Littleleaf Linden Littleleaf Linden	32 32	Good Good	Private Private	
46	Pinus nigra	Black Pine	39	Good	Private	Few dead branches and dieback possibly due to reduced quantity of sunligh
47 48	Pinus nigra Pinus nigra	Black Pine Black Pine	31 44	Poor/Fair Good	Private Private	Some dead branches and dieback possibly due to reduced quantity of sunlighted few dead branches and dieback possibly due to reduced quantity of sunlighted few dead branches and dieback possibly due to reduced quantity of sunlighted few dead branches and dieback possibly due to reduced quantity of sunlighted few dead branches and dieback possibly due to reduced quantity of sunlighted few dead branches and dieback possibly due to reduced quantity of sunlighted few dead branches and dieback possibly due to reduced quantity of sunlighted few dead branches and dieback possibly due to reduced quantity of sunlighted few dead branches and dieback possibly due to reduced quantity of sunlighted few dead branches and dieback possibly due to reduced quantity of sunlighted few dead branches and dieback possibly due to reduced quantity of sunlighted few dead branches and dieback possibly due to reduced quantity of sunlighted few dead branches and dieback possibly due to reduced quantity of sunlighted few dead branches and dieback possibly due to reduced quantity of sunlighted few dead branches and dieback possibly due to reduced quantity of sunlighted few dead branches and dieback possibly due to reduced quantity of sunlighted few dead branches and dieback possible few dead branches and dieback pos
49	Pinus nigra	Black Pine	32	Fair	Private	Some dead branches and dieback possibly due to reduced quantity of sunlig
50 51	Picea pungens Picea glauca	Colorado Spruce White Spruce	36 10	Good Good	Private Private	
52 53	Picea glauca Tilia cordata	White Spruce Littleleaf Linden	10 30	Good Fair	Private Private	Leader have been cut.
54	Tilia cordata	Littleleaf Linden	16	Poor/Declining	Private	Crown is dead.
55 56	Tilia cordata Tilia cordata	Littleleaf Linden Littleleaf Linden	23 16	Fair Good	Private Private	Leader have been cut.
57 58	Tilia cordata Tilia cordata	Littleleaf Linden Littleleaf Linden	14 28	Fair/Good Poor	Private Private	Leader have been cut. Leader is cut.
59	Tilia cordata	Littleleaf Linden	14	Fair	Private	Leader have been cut.
60 61	Tilia cordata Tilia cordata	Littleleaf Linden Littleleaf Linden	15 17	Fair Poor	Private Private	Leader have been cut and visible abrasion on trunk. Leader is cut and visible abrasion on trunk.
62 63	Tilia cordata Tilia cordata	Littleleaf Linden Littleleaf Linden	16 14	Good Good	Private Private	
64	Tilia cordata	Littleleaf Linden	40	Good	Private	
65 66	Tilia cordata Tilia cordata	Littleleaf Linden Littleleaf Linden	15 15	Good	Private Private	
67 68	Tilia cordata Tilia cordata	Littleleaf Linden Littleleaf Linden	14 14	Good Poor	Private Private	Many dead branches and dieback possibly due to reduced quantity of sunligh
69	Tilia cordata	Littleleaf Linden	14	Fair	Private	Leader is dead and visible abrasion on trunk.
70 71	Tilia cordata Tilia cordata	Littleleaf Linden Littleleaf Linden	24 28	Fair Fair	Private Private	Leader is dead. Leader is dead.
72	Tilia cordata	Littleleaf Linden	26; 11;	Good	Private	Multistem (3 stems).
73	Quercus macrocarpa	Bur Oak	22 25	Good	Private	
74 75	Betula papyrifera Picea pungens	White Birch Colorado Spruce	38 11	Poor Good	Private Private	Visible abrasion on trunk and small canopy.
76	Picea pungens	Colorado Spruce	10	Good	Private	
77 78	Picea pungens Picea pungens	Colorado Spruce Colorado Spruce	27 10	Fair Good	Private Private	Some dead branches and dieback possibly due to reduced quantity of sunlig
79	Picea pungens	Colorado Spruce	26	Poor	Private	Many dead branches and dieback possibly due to reduced quantity of sunlig
80	Picea pungens Picea pungens	Colorado Spruce Colorado Spruce	28	Poor Fair	Private Private	Many dead branches and dieback possibly due to reduced quantity of sunlig Some dead branches and dieback possibly due to reduced quantity of sunlig
82 83	Picea pungens Picea pungens	Colorado Spruce Colorado Spruce	23 22	Fair Fair	Private Private	Some dead branches and dieback possibly due to reduced quantity of sunlig Some dead branches and dieback possibly due to reduced quantity of sunlig
84	Picea pungens	Colorado Spruce	30	Fair	Private	Some dead branches and dieback possibly due to reduced quantity of sunlig
85 86	Picea pungens Picea pungens	Colorado Spruce Colorado Spruce	21 21	Fair Fair	Private Private	Some dead branches and dieback possibly due to reduced quantity of sunlig Some dead branches and dieback possibly due to reduced quantity of sunlig
87 88	Picea pungens Picea pungens	Colorado Spruce Colorado Spruce	27 32	Fair Fair	Private Private	Some dead branches and dieback possibly due to reduced quantity of sunlig Some dead branches and dieback possibly due to reduced quantity of sunlig
89	Pinus nigra	Black Pine	23	Good	Private	and an abasin possibly due to reduced quartity or suffig
90 91	Pinus nigra Pinus nigra	Black Pine Black Pine	30 26	Good Good	Private Private	
92 93	Pinus nigra Gletitsia triacanthos	Black Pine Honeylocust	35 50	Good Good	Private Private	
94	Acer ginnala	Amur Maple	10; 9; 13;	Good	Private	Multistem (4 stems).
95	Acer ginnala	Amur Maple	9 11; 10	Good	Private	Multistem (2 stems).
96 97	Acer ginnala Gletitsia triacanthos	Amur Maple Honeylocust	10; 8; 7 35	Good Fair	Private Private	Multistem (3 stems). Visible abrasion on trunk.
98	Gletitsia triacanthos	Honeylocust	33	Good	Private	
99 100	Populus tremuloides Pinus nigra	Trembling Aspen Black Pine	55 45	Poor Good	Municipal Private	Majority of crown is dead.
101	Pinus resinosa	Red Pine	24	Good	Municipal	
102 103	Pinus resinosa Malus spp.	Red Pine Crab Apple	21	Good Good	Municipal Private	
104 105	Pinus nigra Pinus nigra	Black Pine Black Pine	21 16	Good Good	Private Private	
106	Pinus nigra	Black Pine	21	Good	Private	
107 108	Acer rubrum Pinus nigra	Red Maple Black Pine	30 24	Good Good	Municipal Private	
109	Pinus nigra	Black Pine	27	Good	Private	
110 111	Tilia cordata Tilia cordata	Littleleaf Linden Littleleaf Linden	28 32	Good Poor/Declining	Private Private	Leader and crown are missing.
112 113	Acer saccharum Acer saccharum	Sugar Maple Sugar Maple	30; 23 35	Good	Private Private	Multistem (2 stems).
114	Acer saccharum	Sugar Maple	22	Good	Adjacent	
115	Acer saccharum	Sugar Maple	29	Good	Adjacent	

EXISTING TREE SCHEDULE									
TREE AS	SSESSMENT CONDUCTED:	March 22, 2022							
PLANT ID	BOTANICAL NAME	COMMON NAME	DBH (CM)	HEALTH/ CONDITION	OWNERSHI	P REMARKS			
117	Acer ginnala	Amur Maple	<10	Good	Private	Multistem.			
118	Acer ginnala	Amur Maple	<10	Good	Private	Multistem.			
119	Acer ginnala	Amur Maple	<10	Good	Private	Multistem.			
120	Acer ginnala	Amur Maple	<10	Good	Private	Multistem.			
121	Amelanchier canadensis	Serviceberry	<10	Good	Private	Tree stakes and rubber hoses were not removed. Rubber hoses are starting to impact tree health.			
122	Amelanchier canadensis	Serviceberry	<10	Good	Private	Tree stakes and rubber hoses were not removed. Rubber hoses are starting to impact tree health.			
123	Amelanchier canadensis	Serviceberry	<10	Good	Private	Tree stakes and rubber hoses were not removed. Rubber hoses are starting to impact tree health.			
124	Amelanchier canadensis	Serviceberry	<10	Good	Private	Tree stakes and rubber hoses were not removed. Rubber hoses are starting to impact tree health.			
125	Acer ginnala	Amur Maple	<10	Good	Private	Multistem.			
126	Acer ginnala	Amur Maple	<10	Good	Private	Multistem.			
127	Acer ginnala	Amur Maple	<10	Good	Private	Multistem.			
128	Picea pungens	Colorado Spruce	18	Good	Private				
129	Picea pungens	Colorado Spruce	13	Good	Private				
130	Picea pungens	Colorado Spruce	15	Good	Private				
131	Amelanchier canadensis	Serviceberry	<10	Good	Private	Tree stakes and rubber hoses were not removed. Rubber hoses are starting to impact tree health.			
132	Amelanchier canadensis	Serviceberry	<10	Good	Private	Tree stakes and rubber hoses were not removed. Rubber hoses are starting to impact tree health.			
133	Amelanchier canadensis	Serviceberry	<10	Good	Private	Tree stakes and rubber hoses were not removed. Rubber hoses are starting to impact tree health.			
134	Amelanchier canadensis	Serviceberry	<10	Good	Private	Tree stakes and rubber hoses were not removed. Rubber hoses are starting to impact tree health.			
135	Amelanchier canadensis	Serviceberry	<10	Good	Private	Tree stakes and rubber hoses were not removed. Rubber hoses are starting to impact tree health.			
136	Malus spp.	Crab Apple	<10	Good	Private	Tree stakes and rubber hoses were not removed. Rubber hoses are starting to impact tree health.			
137	Malus spp.	Crab Apple	<10	Good	Private	Tree stakes and rubber hoses were not removed. Rubber hoses are starting to impact tree health.			
138	Thuja occidentalis 'Fastigiata	Pyramidal white cedar	<10	Good	Private				
139	Malus spp.	Crab Apple	<10	Good	Private				



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Legend

Notes

REFER TO DRAWING TC01 FOR CURRENT VEGETATION PLAN.

5	ISSUED FOR MUNICIPAL REVIEW	ILL	ILL	22.09.28	
4	ISSUED FOR COORDINATION	ILL	ILL	22.09.23	
3	RE-ISSUED FOR MUNICIPAL REVIEW	CA	ILL	22.05.10	
2	ISSUED FOR MUNICIPAL REVIEW	CA	ILL	22.05.03	
1	ISSUED FOR COORDINATION	CA	ILL	22.04.14	
Re	evision		Ву	Appd.	YY.MM.DD
File	Name: 160400414_LB.dwg	CA	ILL	ILL	22.03.21
		Dwn.	Chkd.	Dsgn.	YY.MM.DD

Permit-Seal



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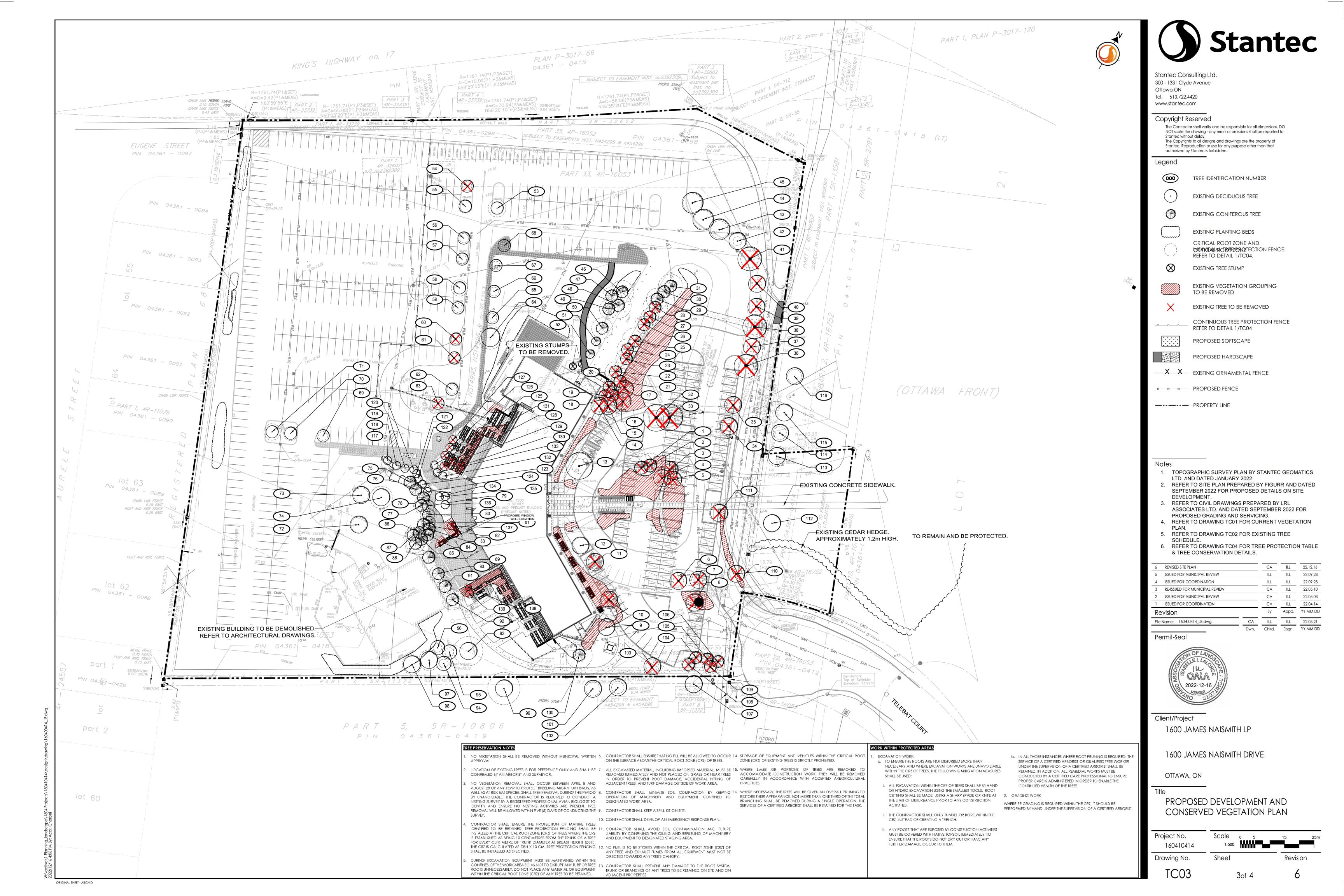
CURRENT VEGETATION
SURVEY CHART

Project No. 160410414	Scale N.T.S.	
Drawing No.	Sheet	Revision

TC02

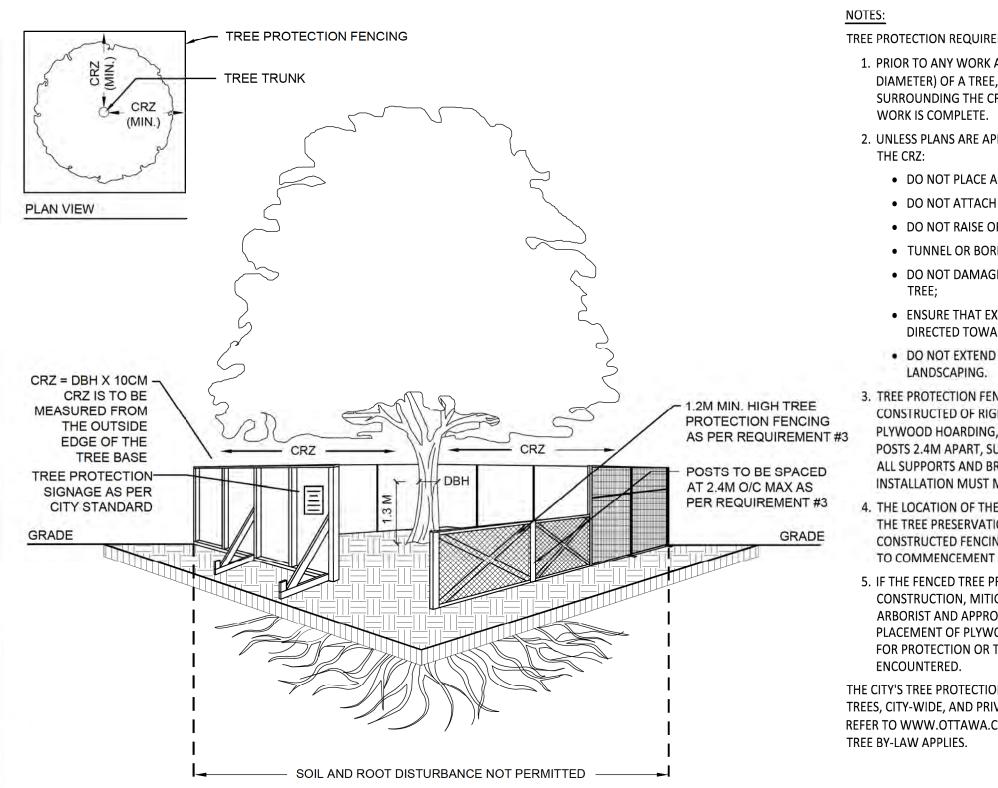
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ORIGINAL SHEET - ARCH D



	NG TREE SCHEDUL								NG TREE SCHEDULE ESSMENT CONDUCTED:	The second second second
PLANT ID		COMMON NAME	DBH (CM)	HEALTH/ CONDITION	OWNERSH	IP REMARKS	RECOMMENDATIONS	PIANT	BOTANICAL NAME	COMMON NAME
1	Pinus nigra Pinus nigra	Black Pine Black Pine	48 42	Good Good	Private Private		TO BE REMOVED DUE TO PROPOSED PARKING LOT AND HARD SURFACES. TO BE REMOVED DUE TO PROPOSED PARKING LOT AND HARD SURFACES.	ID	Acer ginnala	Amur Maple
3	Acer ginnala	Amur Maple	10; 10;	Good	Private		TO BE REMOVED DUE TO PROPOSED PARKING LOT AND HARD SURFACES. TO BE REMOVED DUE TO PROPOSED PARKING LOT AND HARD SURFACES.	118	Acer ginnala	Amur Maple
4	Acer ginnala	Amur Maple	15; 12; 11; 17	Good	Private	Multistem (4 stems).	TO BE REMOVED DUE TO PROPOSED PARKING LOT AND HARD SURFACES.	_	Acer ginnala Acer ginnala	Amur Maple Amur Maple
5	Acer ginnala	Amur Maple	15; 12; 12; 13;	Good	Private	Multistem (7 stems).	TO BE REMOVED DUE TO PROPOSED PARKING LOT AND HARD SURFACES.	121	Amelanchier canadensis	Serviceberry
	•		14; 11; 15					122	Amelanchier canadensis	Serviceberry
7	Gletitsia triacanthos Gletitsia triacanthos	Honeylocust Honeylocust	18 15	Good Good	Private Private		TO BE REMOVED DUE TO PROPOSED PARKING LOT AND HARD SURFACES. TO BE REMOVED DUE TO PROPOSED PARKING LOT AND HARD SURFACES.	123	Amelanchier canadensis	Serviceberry
	Acer rubrum Malus spp.	Red Maple Crab Apple	32 27	Good Good	Private Private		TO BE REMOVED DUE TO PROPOSED PARKING LOT AND HARD SURFACES. TO REMAIN AND BE PROTECTED.	124	Amelanchier canadensis	Serviceberry
	Malus spp. Gletitsia triacanthos	Crab Apple Honeylocust	26 23	Good Good	Private Private		TO BE REMOVED DUE TO PROPOSED WALKWAY AND PARKING LOT. TO BE REMOVED DUE TO PROPOSED PARKING LOT AND HARD SURFACES.		Acer ginnala Acer ginnala	Amur Maple Amur Maple
	Gletitsia triacanthos Gletitsia triacanthos	Honeylocust Honeylocust	27 25	Good Good	Private Private		TO REMAIN AND BE PROTECTED. TO REMAIN AND BE PROTECTED.		Acer ginnala Picea pungens	Amur Maple Colorado Spruce
14	Acer ginnala	Amur Maple	17; 14; 19; 20	Fair	Private	Multistem (4 stems). Visible abrasions and scars on trunk.	TO BE REMOVED DUE TO PROPOSED WALKWAY AND PARKING LOT.		Picea pungens Picea pungens	Colorado Spruce Colorado Spruce
_	Malus spp. Malus spp.	Crab Apple Crab Apple	22 24	Good Good	Private Private		TO BE REMOVED DUE TO PROPOSED PARKING LOT. TO BE REMOVED DUE TO PROPOSED PARKING LOT.	131	Amelanchier canadensis	Serviceberry
17	Malus spp. Pinus nigra	Crab Apple Black Pine	26 33	Good Fair	Private Private		TO BE REMOVED DUE TO PROPOSED PARKING LOT. TO BE REMOVED DUE TO PROPOSED WALKWAY.	132	Amelanchier canadensis	Serviceberry
19	Pinus nigra	Black Pine Black Pine	33 24	Fair Fair	Private	Some dead branches and dieback possibly due to reduced quantity of sunlight.		133	Amelanchier canadensis	Serviceberry
21	Pinus nigra Picea glauca	White Spruce	30	Poor/Declining	Private Private	Many dead branches and dieback possibly due to reduced quantity of sunlight.	TO BE REMOVED DUE TO PROPOSED WALKWAY.	134	Amelanchier canadensis	Serviceberry
23	Picea abies Picea pungens	Norway Spruce Colorado Spruce	34 36	Good Good	Private Private		TO BE REMOVED DUE TO PROPOSED WALKWAY. TO BE REMOVED DUE TO PROPOSED WALKWAY.	135	Amelanchier canadensis	Serviceberry
	Pinus nigra Pinus nigra	Black Pine Black Pine	36 45	Good Good	Private Private		TO BE REMOVED DUE TO PROPOSED WALKWAY. TO BE REMOVED DUE TO PROPOSED WALKWAY.	136	Malus spp.	Crab Apple
	Pinus nigra Pinus nigra	Black Pine Black Pine	30 30	Good Good	Private Private		TO BE REMOVED DUE TO PROPOSED WALKWAY. TO BE REMOVED DUE TO PROPOSED WALKWAY.		Malus spp.	Crab Apple
	Pinus nigra Pinus nigra	Black Pine Black Pine	42 37	Good Good	Private Private		TO BE REMOVED DUE TO PROPOSED WALKWAY. TO REMAIN AND BE PROTECTED.		Thuja occidentalis	Pyramidal white ce
30	Pinus nigra	Black Pine	22; 15	Fair	Private	Multistem (2 stems). Some dead branches and dieback possibly due to reduced quantity of sunlight.	TO REMAIN AND BE PROTECTED.	139	Malus spp.	Crab Apple
1000	Pinus nigra Gletitsia triacanthos	Black Pine Honeylocust	41 25	Good Good	Private Private		TO REMAIN AND BE PROTECTED. TO BE REMOVED DUE TO PROPOSED PARKING LOT.			
177	Gletitsia triacanthos Tilia cordata	Honeylocust Littleleaf Linden	19	Good Poor/Declining	Private Private	Many dead branches and dieback possibly due to reduced quantity of sunlight.	TO BE REMOVED DUE TO PROPOSED PARKING LOT. TO BE REMOVED DUE TO PROPOSED PARKING LOT AND HARD SURFACES.			
35	Tilia cordata	Littleleaf Linden	23	Poor/Declining	Private	Many dead branches and dieback possibly due to reduced quantity of sunlight	TO BE REMOVED DUE TO PROPOSED PARKING LOT AND HARD SURFACES.			
36	Tilia cordata Gletitsia triacanthos Tilia cordata	Littleleaf Linden Honeylocust	26 11	Good Good	Private Private	Many dead branches and dieback possibly due to reduced quantity of sunlight.	TO BE REMOVED DUE TO PROPOSED ROAD. TO BE REMOVED DUE TO PROPOSED ROAD. TO BE REMOVED DUE TO PROPOSED ROAD.			
39	Tilia cordata Gletitsia triacanthos	Littleleaf Linden Honeylocust	27 15	Good	Private Private		TO BE REMOVED DUE TO PROPOSED ROAD. TO BE REMOVED DUE TO PROPOSED ROAD.			
	Gletitsia triacanthos Tilia cordata	Honeylocust Littleleaf Linden	15 30	Good Good	Private Private		TO BE REMOVED DUE TO PROPOSED ROAD. TO BE REMOVED DUE TO PROPOSED ROAD.			
	Tilia cordata Tilia cordata	Littleleaf Linden Littleleaf Linden	15 30	Good Good	Private Private		TO REMAIN AND BE PROTECTED. TO REMAIN AND BE PROTECTED.			
	Tilia cordata Tilia cordata	Littleleaf Linden Littleleaf Linden	32 32	Good Good	Private Private		TO REMAIN AND BE PROTECTED. TO REMAIN AND BE PROTECTED.			
	Pinus nigra Pinus nigra	Black Pine Black Pine	39 31	Good Poor/Fair	Private Private		TO REMAIN AND BE PROTECTED. TO REMAIN AND BE PROTECTED.			
48	Pinus nigra Pinus nigra	Black Pine Black Pine	44 32	Good Fair	Private Private	Few dead branches and dieback possibly due to reduced quantity of sunlight.	TO REMAIN AND BE PROTECTED. TO REMAIN AND BE PROTECTED.			
50	Picea pungens	Colorado Spruce	36	Good	Private		TO REMAIN AND BE PROTECTED.			
52	Picea glauca Picea glauca	White Spruce White Spruce	10	Good Good	Private Private		TO REMAIN AND BE PROTECTED. TO REMAIN AND BE PROTECTED.			
54	Tilia cordata Tilia cordata	Littleleaf Linden Littleleaf Linden	30 16	Fair Poor/Declining	Private Private	Crown is dead.	TO REMAIN AND BE PROTECTED. TO BE REMOVED DUE TO ITS POOR HEALTH CONDITION.			
	Tilia cordata Tilia cordata	Littleleaf Linden Littleleaf Linden	23 16	Fair Good	Private Private		TO REMAIN AND BE PROTECTED. TO REMAIN AND BE PROTECTED.			
122	Tilia cordata Tilia cordata	Littleleaf Linden Littleleaf Linden	14 28	Fair/Good Poor	Private Private		TO REMAIN AND BE PROTECTED. TO REMAIN AND BE PROTECTED.			
59 60	Tilia cordata Tilia cordata	Littleleaf Linden Littleleaf Linden	14 15	Fair Fair	Private Private	Leader have been cut. Leader have been cut and visible abrasion on trunk.	TO REMAIN AND BE PROTECTED. TO BE REMOVED DUE TO PROPOSED FIRE ROUTE.			
	Tilia cordata Tilia cordata	Littleleaf Linden Littleleaf Linden	17 16	Poor Good	Private Private		TO BE REMOVED DUE TO PROPOSED FIRE ROUTE. TO REMAIN AND BE PROTECTED.			
63	Tilia cordata Tilia cordata	Littleleaf Linden Littleleaf Linden	14	Good Good	Private Private		TO BE REMOVED DUE TO NEW UNDERGROUND SERVICE. TO REMAIN AND BE PROTECTED.			
65	Tilia cordata	Littleleaf Linden Littleleaf Linden	15	Good	Private		TO REMAIN AND BE PROTECTED. TO REMAIN AND BE PROTECTED. TO REMAIN AND BE PROTECTED.			
2.5	Tilia cordata Tilia cordata	Littleleaf Linden	15 14	Good	Private Private		TO REMAIN AND BE PROTECTED.			
	Tilia cordata Tilia cordata	Littleleaf Linden Littleleaf Linden	14 14	Poor Fair	Private Private	Leader is dead and visible abrasion on trunk.	TO REMAIN AND BE PROTECTED. TO REMAIN AND BE PROTECTED.		a man	TREE
	Tilia cordata Tilia cordata	Littleleaf Linden Littleleaf Linden	24 28	Fair Fair	Private Private		TO REMAIN AND BE PROTECTED. TO REMAIN AND BE PROTECTED.		CRZ (MIN.)	TREE
72	Tilia cordata	Littleleaf Linden	26; 11; 22	Good	Private	Multistem (3 stems).	TO REMAIN AND BE PROTECTED.		CRZ CRZ	()
	Quercus macrocarpa Betula papyrifera	Bur Oak White Birch	25 38	Good Poor	Private Private		TO REMAIN AND BE PROTECTED. TO REMAIN AND BE PROTECTED.	-	(IVIIIV.)	
75	Picea pungens Picea pungens	Colorado Spruce Colorado Spruce	11 10	Good	Private Private		TO REMAIN AND BE PROTECTED. TO REMAIN AND BE PROTECTED.		Learn	
77	Picea pungens Picea pungens	Colorado Spruce Colorado Spruce	27 10	Fair Good	Private Private	Some dead branches and dieback possibly due to reduced quantity of sunlight.	TO REMAIN AND BE PROTECTED. TO REMAIN AND BE PROTECTED.	_ L	LAN VIEW	+ 1,
79	Picea pungens Picea pungens	Colorado Spruce Colorado Spruce	26	Poor Poor	Private Private		TO REMAIN AND BE PROTECTED.			
81	Picea pungens	Colorado Spruce	24	Fair	Private	Some dead branches and dieback possibly due to reduced quantity of sunlight.	TO REMAIN AND BE PROTECTED.			
83	Picea pungens Picea pungens	Colorado Spruce Colorado Spruce	23	Fair Fair	Private Private	Some dead branches and dieback possibly due to reduced quantity of sunlight. Some dead branches and dieback possibly due to reduced quantity of sunlight.	TO REMAIN AND BE PROTECTED.			
85	Picea pungens Picea pungens	Colorado Spruce Colorado Spruce	30 21	Fair Fair	Private Private	Some dead branches and dieback possibly due to reduced quantity of sunlight. Some dead branches and dieback possibly due to reduced quantity of sunlight.	TO REMAIN AND BE PROTECTED.			5
1.5	Picea pungens Picea pungens	Colorado Spruce Colorado Spruce	21 27	Fair Fair	Private Private	Some dead branches and dieback possibly due to reduced quantity of sunlight. Some dead branches and dieback possibly due to reduced quantity of sunlight.				
88	Picea pungens Pinus nigra	Colorado Spruce Black Pine	32 23	Fair Good	Private Private	Some dead branches and dieback possibly due to reduced quantity of sunlight.			CRZ = DBH X 10CM - CRZ IS TO BE	1 5
90	Pinus nigra Pinus nigra	Black Pine Black Pine	30 26	Good Good	Private Private		TO REMAIN AND BE PROTECTED. TO REMAIN AND BE PROTECTED.		MEASURED FROM THE OUTSIDE	130
92	Pinus nigra Gletitsia triacanthos	Black Pine Honeylocust	35 50	Good	Private Private		TO REMAIN AND BE PROTECTED. TO REMAIN AND BE PROTECTED.		EDGE OF THE TREE BASE	1=
73.5	Acer ginnala	Amur Maple	10; 9; 13;	Good	7.0	16.3 (0.2) (0.3) (0.3) (0.3)	TO REMAIN AND BE PROTECTED.		TREE PROTECTION- SIGNAGE AS PER	
95	Acer ginnala	Amur Maple	11; 10	Good	Private	Multistem (2 stems).	TO REMAIN AND BE PROTECTED.		CITY STANDARD	
	Acer ginnala Gletitsia triacanthos	Amur Maple Honeylocust	10; 8; 7 35	Good Fair	Private Private	Visible abrasion on trunk.	TO REMAIN AND BE PROTECTED. TO REMAIN AND BE PROTECTED.		GRADE	
1,000	Gletitsia triacanthos Populus tremuloides	Honeylocust Trembling Aspen	33 55	Good Poor	Private Municipa	Majority of crown is dead.	TO REMAIN AND BE PROTECTED. TO REMAIN AND BE PROTECTED.			
99	THE STATE OF THE S	Black Pine Red Pine	45 24	Good Good	Private Municipa		TO REMAIN AND BE PROTECTED. TO REMAIN AND BE PROTECTED.			
99 100	Pinus nigra Pinus resinosa	Red Pine	21	Good Good	Municipa Private		TO REMAIN AND BE PROTECTED. TO BE REMOVED DUE TO PROPOSED WALKWAY.			
99 100 101 102		Crab Apple	23	2000	Private		TO BE REMOVED DUE TO PROPOSED PARKING AND HARD SURFACES. TO BE REMOVED DUE TO PROPOSED PARKING AND HARD SURFACES.			I I
99 100 101 102 103 104	Pinus resinosa Pinus resinosa Malus spp. Pinus nigra	Black Pine	21	Good			TO DETICING VED DOLLAR TO THE TOTAL TO THE TOTAL			
99 100 101 102 103 104 105 106	Pinus resinosa Pinus resinosa Malus spp. Pinus nigra Pinus nigra Pinus nigra	Black Pine Black Pine Black Pine	21 16 21	Good Good	Private Private		TO BE REMOVED DUE TO PROPOSED PARKING AND HARD SURFACES.			į
99 100 101 102 103 104 105 106 107 108	Pinus resinosa Pinus resinosa Malus spp. Pinus nigra Pinus nigra Pinus nigra Acer rubrum Pinus nigra	Black Pine Black Pine Black Pine Red Maple Black Pine	21 16 21 30 24	Good Good Good Good	Private Private Municipa Private	N a	TO BE REMOVED DUE TO PROPOSED PARKING AND HARD SURFACES. TO REMAIN AND BE PROTECTED. TO BE REMOVED DUE TO PROPOSED WALKWAY AND HARD SURFACES.			į
99 100 101 102 103 104 105 106 107 108 109 110	Pinus resinosa Pinus resinosa Malus spp. Pinus nigra Pinus nigra Pinus nigra Acer rubrum Pinus nigra Pinus nigra Tilia cordata	Black Pine Black Pine Black Pine Red Maple Black Pine Black Pine Littleleaf Linden	21 16 21 30	Good Good Good Good Good	Private Private Municipa Private Private Private		TO BE REMOVED DUE TO PROPOSED PARKING AND HARD SURFACES. TO REMAIN AND BE PROTECTED. TO BE REMOVED DUE TO PROPOSED WALKWAY AND HARD SURFACES. TO BE REMOVED DUE TO PROPOSED WALKWAY AND HARD SURFACES. TO BE REMOVED DUE TO PROPOSED HARD SURFACES.			 -
99 100 101 102 103 104 105 106 107 108 109 110	Pinus resinosa Pinus resinosa Malus spp. Pinus nigra Pinus nigra Pinus nigra Acer rubrum Pinus nigra Pinus nigra	Black Pine Black Pine Black Pine Red Maple Black Pine Black Pine	21 16 21 30 24 27	Good Good Good Good	Private Private Municipa Private Private	Leader and crown are missing.	TO BE REMOVED DUE TO PROPOSED PARKING AND HARD SURFACES. TO REMAIN AND BE PROTECTED. TO BE REMOVED DUE TO PROPOSED WALKWAY AND HARD SURFACES. TO BE REMOVED DUE TO PROPOSED WALKWAY AND HARD SURFACES.			 -
99 100 101 102 103 104 105 106 107 108 109 110 111 112	Pinus resinosa Pinus resinosa Malus spp. Pinus nigra Pinus nigra Pinus nigra Acer rubrum Pinus nigra Pinus nigra Tilia cordata Tilia cordata	Black Pine Black Pine Black Pine Red Maple Black Pine Black Pine Littleleaf Linden Littleleaf Linden	21 16 21 30 24 27 28 32	Good Good Good Good Good Good Poor/Declining	Private Private Municipa Private Private Private Private Private	Leader and crown are missing. Multistem (2 stems).	TO BE REMOVED DUE TO PROPOSED PARKING AND HARD SURFACES. TO REMAIN AND BE PROTECTED. TO BE REMOVED DUE TO PROPOSED WALKWAY AND HARD SURFACES. TO BE REMOVED DUE TO PROPOSED WALKWAY AND HARD SURFACES. TO BE REMOVED DUE TO PROPOSED HARD SURFACES. TO BE REMOVED DUE TO PROPOSED PARKING AND HARD SURFACES.			 -

XISTI	NG TREE SCHEDULE						
TREE ASS	SESSMENT CONDUCTED:	March 22, 2022					
PLANT ID	BOTANICAL NAME	COMMON NAME	DBH (CM)	HEALTH/ CONDITION	OWNERSHIP	REMARKS	RECOMMENDATIONS
117	Acer ginnala	Amur Maple	<10	Good	Private	Multistem.	TO REMAIN AND BE PROTECTED.
118	Acer ginnala	Amur Maple	<10	Good	Private	Multistem.	TO REMAIN AND BE PROTECTED.
119	Acer ginnala	Amur Maple	<10	Good	Private	Multistem.	TO REMAIN AND BE PROTECTED.
120	Acer ginnala	Amur Maple	<10	Good	Private	Multistem.	TO REMAIN AND BE PROTECTED.
121	Amelanchier canadensis	Serviceberry	<10	Good	Private	Tree stakes and rubber hoses were not removed. Rubber hoses are starting to impact tree health.	TO REMAIN AND BE PROTECTED.
122	Amelanchier canadensis	Serviceberry	<10	Good	Private	Tree stakes and rubber hoses were not removed. Rubber hoses are starting to impact tree health.	TO REMAIN AND BE PROTECTED.
123	Amelanchier canadensis	Serviceberry	<10	Good	Private	Tree stakes and rubber hoses were not removed. Rubber hoses are starting to impact tree health.	TO REMAIN AND BE PROTECTED.
124	Amelanchier canadensis	Serviceberry	<10	Good	Private	Tree stakes and rubber hoses were not removed. Rubber hoses are starting to impact tree health.	TO REMAIN AND BE PROTECTED.
125	Acer ginnala	Amur Maple	<10	Good	Private	Multistem.	TO BE REMOVED DUE TO PROPOSED TERRACED WALL.
126	Acer ginnala	Amur Maple	<10	Good	Private	Multistem.	TO BE REMOVED DUE TO PROPOSED WALKWAY.
127	Acer ginnala	Amur Maple	<10	Good	Private	Multistem.	TO BE REMOVED DUE TO PROPOSED WALKWAY.
128	Picea pungens	Colorado Spruce	18	Good	Private		TO BE REMOVED DUE TO PROPOSED TERRACED WALL.
129	Picea pungens	Colorado Spruce	13	Good	Private		TO BE REMOVED DUE TO PROPOSED TERRACED WALL.
130	Picea pungens	Colorado Spruce	15	Good	Private		TO BE REMOVED DUE TO PROPOSED TERRACE.
131	Amelanchier canadensis	Serviceberry	<10	Good	Private	Tree stakes and rubber hoses were not removed. Rubber hoses are starting to impact tree health.	TO REMAIN AND BE PROTECTED.
132	Amelanchier canadensis	Serviceberry	<10	Good	Private	Tree stakes and rubber hoses were not removed. Rubber hoses are starting to impact tree health.	TO REMAIN AND BE PROTECTED.
133	Amelanchier canadensis	Serviceberry	<10	Good	Private	Tree stakes and rubber hoses were not removed. Rubber hoses are starting to impact tree health.	TO REMAIN AND BE PROTECTED.
134	Amelanchier canadensis	Serviceberry	<10	Good	Private	Tree stakes and rubber hoses were not removed. Rubber hoses are starting to impact tree health.	TO REMAIN AND BE PROTECTED.
135	Amelanchier canadensis	Serviceberry	<10	Good	Private	Tree stakes and rubber hoses were not removed. Rubber hoses are starting to impact tree health.	TO REMAIN AND BE PROTECTED.
136	Malus spp.	Crab Apple	<10	Good	Private	Tree stakes and rubber hoses were not removed. Rubber hoses are starting to impact tree health.	TO REMAIN AND BE PROTECTED.
137	Malus spp.	Crab Apple	<10	Good	Private	Tree stakes and rubber hoses were not removed. Rubber hoses are starting to impact tree health.	TO BE REMOVED DUE TO PROPOSED WINDOW WELL.
138	Thuja occidentalis	Pyramidal white cedar	<10	Good	Private		TO BE REMOVED DUE TO PROPOSED TERRACED WALL.



TREE PROTECTION FENCE

<10 Good Private

TREE PROTECTION REQUIREMENTS:

1. PRIOR TO ANY WORK ACTIVITY WITHIN THE CRITICAL ROOT ZONE (CRZ = 10X DIAMETER) OF A TREE, TREE PROTECTION FENCING MUST BE INSTALLED SURROUNDING THE CRITICAL ROOT ZONE, AND REMAIN IN PLACE UNTIL THE

TO BE REMOVED DUE TO PROPOSED TERRACED WALL.

2. UNLESS PLANS ARE APPROVED BY CITY FORESTRY STAFF, FOR WORK WITHIN THE CRZ:

- DO NOT PLACE ANY MATERIAL OR EQUIPMENT INCLUDING OUTHOUSES;
- DO NOT ATTACH ANY SIGNS, NOTICES OR POSTERS TO ANY TREE;
- DO NOT RAISE OR LOWER THE EXISTING GRADE;
- TUNNEL OR BORE WHEN DIGGING;
- DO NOT DAMAGE THE ROOT SYSTEM, TRUNK, OR BRANCHES OF ANY
- ENSURE THAT EXHAUST FUMES FROM ALL EQUIPMENT ARE NOT DIRECTED TOWARD ANY TREE CANOPY.
- DO NOT EXTEND HARD SURFACE OR SIGNIFICANTLY CHANGE
- LANDSCAPING. 3. TREE PROTECTION FENCING MUST BE AT LEAST 1.2M IN HEIGHT, AND
- CONSTRUCTED OF RIGID OR FRAMED MATERIALS (E.G. MODULOC STEEL, PLYWOOD HOARDING, OR SNOW FENCE ON A 2"X4" WOOD FRAME) WITH POSTS 2.4M APART, SUCH THAT THE FENCE LOCATION CANNOT BE ALTERED. ALL SUPPORTS AND BRACING MUST BE PLACED OUTSIDE OF THE CRZ, AND INSTALLATION MUST MINIMISE DAMAGE TO EXISTING ROOTS. (SEE DETAIL)
- 4. THE LOCATION OF THE TREE PROTECTION FENCING MUST BE AS INDICATED ON THE TREE PRESERVATION PLAN WITHIN THIS SET OF DRAWINGS. THE PLAN AND CONSTRUCTED FENCING MUST BE APPROVED BY CITY FORESTRY STAFF PRIOR TO COMMENCEMENT OF WORK.
- 5. IF THE FENCED TREE PROTECTION AREA MUST BE REDUCED TO FACILITATE CONSTRUCTION, MITIGATION MEASURES MUST BE PRESCRIBED BY AN ARBORIST AND APPROVED BY CITY FORESTRY STAFF. THESE MAY INCLUDE THE PLACEMENT OF PLYWOOD, WOOD CHIPS, OR STEEL PLATING OVER THE ROOTS FOR PROTECTION OR THE PROPER PRUNING AND CARE OF ROOTS WHERE ENCOUNTERED.

THE CITY'S TREE PROTECTION BY-LAW, 2020-340 PROTECTS BOTH CITY-OWNED TREES, CITY-WIDE, AND PRIVATELY-OWNED TREES WITHIN THE URBAN AREA. PLEASE REFER TO WWW.OTTAWA.CA/TREEBYLAW FOR MORE INFORMATION ON HOW THE TREE BY-LAW APPLIES.

Stantec Consulting Ltd. 300 - 1331 Clyde Avenue Ottawa ON Tel. 613.722.4420 www.stantec.com

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TREE TO BE REMOVED

TREE TO REMAIN AND BE PROTECTED

1. REFER TO DRAWING TC03 FOR PROPOSED DEVELOPMENT AND CONSERVED VEGETATION PLAN.

5	ISSUED FOR MUNICIPAL REVIEW	ILL	ILL	22.09.28	
4	ISSUED FOR COORDINATION	ILL	ILL	22.09.23	
3	RE-ISSUED FOR MUNICIPAL REVIEW	CA	ILL	22.05.10	
2	ISSUED FOR MUNICIPAL REVIEW	CA	ILL	22.05.03	
1	ISSUED FOR COORDINATION	CA	ILL	22.04.14	
Re	evision		Ву	Appd.	YY.MM.DD
File	Name: 160400414_LB.dwg	CA	ILL	ILL	22.03.21
		Dwn.	Chkd.	Dsgn.	YY.MM.DD
Ре	ermit-Seal				



Client/Project

1600 JAMES NAISMITH LP

1600 JAMES NAISMITH DRIVE

OTTAWA, ON

TREE PROTECTION TABLE & TREE CONSERVATION DETAIL

Project No. 160410414	Scale N.T.S.	
Drawing No.	Sheet	Revision
TC04	4of 4	5

Appendix D SITE PLAN AND CIVIL DESIGN

Appendix D SITE PLAN AND CIVIL DESIGN



