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## **ARBORIST REPORT**

**PROPOSED SELF STORAGE FACILITY  
1770 APPLEBY LINE  
CITY OF BURLINGTON**

**PREPARED FOR  
NYX APPLEBY STORAGE LP  
1131a LESLIE STREET, SUITE 201  
TORONTO, ONTARIO  
M3C 3L8**

**PREPARED BY:  
STRYBOS BARRON KING LTD.  
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SUITE 320  
MISSISSAUGA, ONTARIO  
L5R 3G5**

**ISA CERTIFIED ARBORIST  
MATTHEW GEHRES ON-1114A  
OUR PROJECT NO:  
19-5379**

**February 21, 2020  
August 13, 2020  
December 11, 2020  
April 13, 2022**

**REVISED AS PER FORESTRY COMMENTS – May 5, 2022**

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**Enclosed:** full size **V100 - *Tree Inventory & Preservation Plan***

**ARBORIST REPORT**  
**1770 Appleby Line, Burlington**

**Introduction**

Strybos Barron King Ltd. was retained by NYX Appleby Storage LP to prepare an Arborist Report for the subject property in accordance with City of Burlington guidelines.

**Site Context**

The subject site (1770 Appleby Line) is located on the south west corner of Appleby Line and Corporate Drive, abutting an existing commercial property to the west and a vacant field to the south. Currently the property contains an existing warehouse including a one storey office at the northeast corner. The proposal for this property will see the conversion of the existing warehouse into a self storage building. A new three storey self storage building is proposed for the west limit of the site. The majority of the existing trees are limited to street tree planting along Corporate Drive as well as Boulevard trees along Appleby Line and remnant landscape accent trees along the east frontage of the existing warehouse.

**Plans Utilized**

A proposed Site Plan prepared by Romanese Architect Inc. which included surveyed locations of existing trees was used as reference to determine the location of existing trees within and adjacent to the subject site in relation to the proposed development.

**Tree Inventory** *(refer to tables below)*

Trees were identified both within and immediately adjacent to the subject property during a site visit conducted by ISA Certified Arborist, Joshua Beitz of Strybos Barron King Ltd. (ISA #ON-1463A). The trees are described in terms of species and diameter at breast height (DBH – measured at 1.4m from grade). They have been assessed in terms of their general health from poor to good; **GOOD** – trees in good overall health and condition with desirable structure, **FAIR** – trees in moderate health and condition with less desirable structure, and **POOR** – trees displaying prominent health issues such as decay and disease and/or poor form and structure. (Refer to V100 – *Tree Inventory and Preservation Plan* for locations of and information pertaining to specific trees)

**Tree Inventory Table Descriptions** *(See Existing Tree Inventory - Pages 1 & 2)*

<b>Key#</b>	This number refers to inventory number assigned to the tree on the plan.	
<b>Species</b>	The common names are provided for each tree.	
<b>Caliper</b>	This refers to diameter (in centimetres) at breast height and is measured at 1.4m above the ground for each tree.	
<b>Crown</b>	Canopy Width	An estimation of the average diameter of the tree canopy, in metres.
<b>Health</b>	The general assessed health of the tree.	
<b>Structure</b>	This is an assessment of the trees overall form.	
<b>Comments</b>	A general description of each tree's condition and/or pertinent characteristics is provided.	
<b>Direction</b>	This indicates either preservation or removal of the tree (as noted on the plan)	
<b>Min. TPZ</b>	Recommended Tree Preservation Zone (in metres).	

**ARBORIST REPORT**  
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EXISTING TREE INVENTORY										
KEY	SPECIES	CALIPER	CROWN	HEALTH	STRUCTURE	COMMENTS	PRESERVATION	OWNERSHIP	MIN. TPZ	KEY
		IN (cm)	IN (m)	G/F/P			DIRECTION			
1	COLORADO BLUE SPRUCE	42.0	7.0	GOOD	GOOD FORM	TOPPED LEADER, BRANCHING TO GRADE	PRESERVE	MUNICIPAL	3	1
2	COLORADO BLUE SPRUCE	28.0	6.0	GOOD	NARROW FORM	BRANCHING TO GRADE, MINOR DIEBACK ON LOWER TWIG TIPS	PRESERVE	MUNICIPAL	2.4	2
3	COLORADO BLUE SPRUCE	33.0	6.0	GOOD	GOOD FORM	CROWN SLIGHTLY ELEVATED, MINOR TWIG TIP DIEBACK THROUGHOUT	PRESERVE	MUNICIPAL	2.4	3
4	COLORADO BLUE SPRUCE	31.0	6.0	POOR	IRREGULAR FORM	LEANING, DEAD LEADER, TWIG TIP DIEBACK THROUGHOUT	PRESERVE	MUNICIPAL	2.4	4
5	COLORADO BLUE SPRUCE	37.0	6.0	GOOD	GOOD FORM	BRANCHING TO GRADE	PRESERVE	MUNICIPAL	2.4	5
6	SWEETGUM	4.0	1.0	FAIR	NARROW FORM	IMMATURE BOULEVARD TREE, SOME DIEBACK THROUGHOUT	PRESERVE	MUNICIPAL	1.8	6
7	SWEETGUM	4.0	1.0	POOR	NARROW FORM	IMMATURE BOULEVARD TREE, SIGNIFICANT DIEBACK IN CROWN	PRESERVE	MUNICIPAL	1.8	7
8	COLORADO BLUE SPRUCE	27.0	6.0	GOOD	GOOD FORM	BRANCHING TO GRADE	PRESERVE	MUNICIPAL	2.4	8
9	COLORADO BLUE SPRUCE	28.0	6.0	GOOD	GOOD FORM	BRANCHING TO GRADE	PRESERVE	PRIVATE	2.4	9
10	COLORADO BLUE SPRUCE	33.0	7.0	GOOD	GOOD FORM	BRANCHING TO GRADE, MINOR DIEBACK ON LOWER BRANCHES	PRESERVE	PRIVATE	2.4	10
11	NORWAY MAPLE	27.0	8.0	FAIR	POLLARDED FORM	BROAD FORM, MINOR INTERNAL BRANCH DIEBACK	PRESERVE	PRIVATE	2.4	11
12	NORWAY MAPLE	24.0	8.0	FAIR	POLLARDED FORM	BROAD FORM, MINOR INTERNAL BRANCH DIEBACK	PRESERVE	PRIVATE	2.4	12
13	HONEYLOCUST	41.0	13.0	GOOD	ONE SIDED FORM	CROWDED BY ADJACENT TREE, DOUBLE LEADER, DIEBACK ON LOWER BRANCHES, MINOR INTERNAL DIEBACK	PRESERVE	PRIVATE	3	13
14	HONEYLOCUST	46.0	15.0	GOOD	ONE SIDED FORM	CROWDED BY ADJACENT TREE, MULTIPLE LEADERS, DIEBACK ON LOWER BRANCHES, MINOR INTERNAL DIEBACK	PRESERVE	PRIVATE	3	14
15	AUSTRIAN PINE	39.0	7.0	FAIR	ONE SIDED FORM	DOUBLE LEADER, SLIGHTLY LEANING, DIEBACK ON LOWER BRANCHES	PRESERVE	PRIVATE	2.4	15
16	AUSTRIAN PINE	36.0	8.0	FAIR	IRREGULAR FORM	LEANING, CROWDED BY ADJACENT TREE, ONE SIDED FORM, SIGNIFICANTLY CURVED STEM AND LEADER	PRESERVE	PRIVATE	2.4	16
17	AUSTRIAN PINE	24.0	5.0	POOR	ONE SIDED FORM	50% DEAD, DECLINING	REMOVED UNDER PREVIOUS PERMIT	PRIVATE	2.4	17
18	HONEYLOCUST	40.0	12.0	GOOD	ASYMMETRICAL FORM	CROWDED BY ADJACENT TREE, DIEBACK ON LOWER BRANCHES, SOME INTERNAL DEADWOOD IN LOWER CROWN	PRESERVE	PRIVATE	2.4	18
19	RED MAPLE	9-16	8.0	POOR-GOOD	MULTI-STEMMED	ONE OF THREE STEMS DEAD, SOME DEADWOOD IN CROWN	REMOVED UNDER PREVIOUS PERMIT	PRIVATE	1.8	19
20	YELLOW BIRCH	13-19	9.0	GOOD	MULTI-STEMMED	BROAD FORM, SUCKER GROWTH AT BASE, LOW BRANCHING	PRESERVE	PRIVATE	2.4	20
21	AUSTRIAN PINE	15-32	10.0	FAIR	MULTI-STEMMED	WEAK CROTCH, DIEBACK ON LOWER BRANCHES, SIME TWIG TIP DIEBACK IN CROWN	PRESERVE	PRIVATE	2.4	21
22	AUSTRIAN PINE	28.0	7.0	POOR	NARROW FORM	ELEVATED CROWN, DIEBACK THROUGHOUT	PRESERVE	PRIVATE	2.4	22
23	HONEYLOCUST	8.0	5.0	GOOD	GOOD FORM	IMMATURE BOULEVARD TREE	PRESERVE	MUNICIPAL	1.8	23
24	ASH	32.0	8.0	POOR	ONE SIDED FORM	SEVERELY DECLINING DUE TO EAB	REMOVED UNDER PREVIOUS PERMIT	PRIVATE	2.4	24
25	ASH	35.0	11.0	POOR	DOUBLE LEADER	DECLINING	REMOVED UNDER PREVIOUS PERMIT	PRIVATE	2.4	25
26	ASH	41.0	12.0	POOR	OPEN FORM	DECLINING	REMOVED UNDER PREVIOUS PERMIT	PRIVATE	3	26
27	AUSTRIAN PINE	41.0	9.0	FAIR	MULTIPLE LEADERS	ASYMMETRICAL FORM, CROWDED BY ADJACENT TREE, DIEBACK ON LOWER BRANCHES	REMOVED UNDER PREVIOUS PERMIT	PRIVATE	3	27
28	AUSTRIAN PINE	34.0	10.0	POOR	ONE SIDED FORM	DIEBACK THROUGHOUT	REMOVED UNDER PREVIOUS PERMIT	PRIVATE	2.4	28
29	AUSTRIAN PINE	33.0	7.0	POOR	ONE SIDED FORM	DIEBACK THROUGHOUT	REMOVED UNDER PREVIOUS PERMIT	PRIVATE	2.4	29
30	COLUMNAR NORWAY MAPLE	35.0	6.0	GOOD	GOOD FORM	DIEBACK ON LOWER BRANCHES, MINOR INTERNAL DIEBACK	PRESERVE	MUNICIPAL	2.4	30
31	COLUMNAR NORWAY MAPLE	34.0	6.5	GOOD	GOOD FORM	MINOR INTERNAL DIEBACK	PRESERVE	MUNICIPAL	2.4	31
32	COLUMNAR NORWAY MAPLE	38.5	7.0	GOOD	GOOD FORM	GIRDLED ROOTS, MINOR INTERNAL DIEBACK	PRESERVE	MUNICIPAL	2.4	32
33	COLUMNAR NORWAY MAPLE	39.0	7.0	GOOD	DOUBLE LEADER	LOW BRANCHING, MINOR DIEBACK ON LOWER BRANCHES	PRESERVE	MUNICIPAL	2.4	33
34	COLUMNAR NORWAY MAPLE	38.0	8.0	GOOD	GOOD FORM	MINOR INTERNAL DIEBACK	PRESERVE	MUNICIPAL	2.4	34
35	COLUMNAR NORWAY MAPLE	44.0	7.0	GOOD	GOOD FORM	MULTIPLE STEM UNIONS AT 1.2m HT.	PRESERVE	MUNICIPAL	3	35
36	REDPOINTE MAPLE	5.0	1.0	GOOD	GOOD FORM	IMMAUTRE BOULEVARD TREE, TWIG TIP DIEBACK IN UPPER CROWN	REMOVE	MUNICIPAL	1.8	36
37	DEAD TREE			DEAD		DEAD TREE WHICH HAS FAILED AND IS LYING ON THE GROUND		MUNICIPAL		37

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**1770 Appleby Line, Burlington**

**Observations**

The trees inventoried within and immediately adjacent to the site are described as primarily semi-mature landscape accent and buffer trees which were likely planted as part of the original warehouse construction works. The majority of the trees occur along the building's east frontage with some remnant coniferous plantings and immature street trees along the Corporate Drive frontage. A cluster of deciduous and coniferous trees occur at the northeast corner of the site. A row of columnar street trees occurs along Appleby Line.

The row of eight Colorado Blue Spruce trees along the Corporate Drive frontage are in good overall health and condition with the exception of one tree which appears to be in a state of decline. Three, recently planted trees including two Sweetgum and one Redpointe Maple are also situated along the Corporate Drive boulevard. A fourth tree has since died and has failed. Only a small stump remains. A mixed grouping of Mature Honey Locusts and Austrian Pine trees occur at the northeast corner of the site. The Honeylocust trees are in good health and exhibit somewhat asymmetrical forms. The Austrian Pine trees are in fair condition and exhibit one sided and leaning forms due to their dense spacing. A number of semi-mature Ash and Austrian Pine trees flank the east frontage of the existing warehouse. The Ash trees are in a general state of decline likely due to EAB infestation. Most of the Austrian Pine trees are also in poor condition with varying amounts of dieback throughout. Several, semi-mature Columnar Norway Maple trees flank the Appleby Line boulevard. These trees all appear to be in generally good health and condition.

**Discussion**

Because the existing warehouse will remain and the proposed new building is located in an area on the subject site void of trees, most of the exiting trees can be successfully preserved and protected. The majority of the proposed tree removals are limited to trees in decline and/or in generally poor condition or as required by the Region.

**Tree Removals**

In determining the tree preservation recommendations for the site, the criteria noted below were considered:

- Overall tree health, form, size, species and predicated longevity.
- Anticipated impact from construction of buildings and proposed landscape features, road works, site servicing and grading.

A total of eight (8) trees have been removed from the site under a separate permit. These trees have been identified on the updated Tree Inventory & Preservation Plans (V100).

Under this proposal, one (1) City owned tree (tree# 36) will require removal to accommodate the proposed driveway off of Corporate Drive.

Relocation of the proposed driveway was considered; however, the current proposed location optimizes vehicle movement by aligning the entrance to Corporate Drive with the main drive aisle between the existing and proposed building. The self-storage business requires the movement of larger vehicles (e.g. U-Haul trucks) that are often driven by customers who lack experience maneuvering these vehicles. It is important that vehicle movements on-site are unobstructed, predictable, and easy for customers. Moving the access is not preferred.

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Each tree was assigned a Minimum Tree Preservation Zone (MTPZ) as per City of Burlington standard requirements (Refer to Table1-Tree Protection Zones).

**Table 1 - Tree Protection Zones (SS12A)**

Table 1 – Minimum Tree Protection Zones

Trunk Diameter (DBH) <sup>2</sup>	Minimum Tree Protection Zone (MTPZ) Distances Required <sup>3</sup>	Critical Root Zone (CRZ) Distances Required <sup>3&amp;4</sup>
< 10 cm	1.8 m	1.8 m
11 - 40 cm	2.4 m	4.0 m
41 - 50 cm	3.0 m	5.0 m
51 - 60 cm	3.6 m	6.0 m
61 - 70 cm	4.2 m	7.0 m
71 - 80 cm	4.8 m	8.0 m
81 - 90 cm	5.4 m	9.0 m
91 - 100+ cm	6.0 m	10.0 m

Trees are recommended for preservation or removal based on proximity of the TPZ to the limit of construction, in conjunction with the overall tree health, size and anticipated ability to withstand root or crown impacts.

### **City of Burlington Private Tree Bylaw**

The City of Burlington's Private Tree Bylaw prohibits the removal of all trees found on private property of 20cm DBH (Diameter at Breast Height) or greater or the removal of more than five trees of greater than 10cm DBH and less than 20cm DBH in one calendar year without a permit to do so.

The provisions of this bylaw do not apply to the injury, destruction or removal of trees where the removal of the tree is for the purpose of satisfying condition to the approval of a site plan, or a plan of subdivision. However, the City of Burlington's tree compensation requirement does apply.

### **Tree Compensation Requirements**

In accordance with the City Site Plan guidelines, compensation is required for the removal all private trees greater than 15cm DBH and Public trees of any size.

The landscape planning for this site includes tree plating quantities which exceed the required compensation amount.

### **Tree Preservation and Construction Mitigation Recommendations**

The following tree protection measures are recommended to be undertaken by the owner in order to successfully preserve the trees noted on the Tree Preservation Plan.

#### **Pre-Construction**

##### **Tree Protection Hoarding**

- All trees to be preserved will be protected with City approved tree protection hoarding (Specification SS12). This hoarding shall be maintained for the duration of site construction. It shall not be removed until authorized by the Consulting Arborist and the City. The hoarding shall be constructed at the location as noted on the Tree Inventory & Preservation Plan (V100).
- Once installed, the limits of protection hoarding shall be approved in the field by the Consulting Arborist and the City.
- City approval will be required prior to permit issuance.

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**Required Servicing Adjacent to Tree# 9 & 10**

- Use of air spade or hand digging along the limit of the required servicing trench adjacent to these trees' TPZ will be required.
- Any exposed roots to be reviewed and pruned along the limit of excavation using current Arboricultural best practise.

**During Construction**

- Areas within the protection hoarding shall remain undisturbed for the duration of site construction and shall not be used for the storage of excavated fill, building materials, structures or equipment.
- No cables of any type shall be wrapped around or installed in trees to be preserved. No contaminants will be dumped or flushed where feeder roots of trees exist.
- Where limbs or portions of trees require pruning to remove deadwood or accommodate construction, they will be removed by a qualified Arborist in accordance with acceptable arboricultural practice.

**Post-Construction**

- Following construction, the limits of the "Tree Protection Zone" shall be inspected by the Consulting Arborist. Any pruning, watering, fertilization or replacement requirements will be determined at that time.
- Tree protection hoarding may be removed to facilitate final landscape fine grading and tree planting. This must be completed under the review of the Consulting Arborist.
- Public tree hoarding cannot be removed without permission of Forestry – this is tied to the securities posted.

To ensure that the above measures are properly implemented, the Consulting Arborist shall be involved at the following stages of construction:

1. Upon layout and installation of protective hoarding and root protection layer
2. Periodically during construction to ensure that hoarding and root protection remains in place and no damage occurs to trees to be preserved
3. Upon fine grading of site or other landscape works
4. Upon completion of construction activities

**ARBORIST REPORT**  
**1770 Appleby Line, Burlington**

**Conclusion**

Strybos Barron King Ltd. was retained by NYX Appleby Storage LP to prepare an Arborist Report for the subject property in accordance with City of Burlington requirements. The report summarizes the trees inventoried within and immediately adjacent to the site and provides recommendations for retention and removal in context with the proposed site plan. The *V100 – Tree Inventory & Preservation Plan* should be used as a reference with this report for detailed information pertaining to existing trees.

The owner is proposing to convert the existing warehouse into a storage facility as well as construct a new, three storey, self storage building on the property. Due to the constraints of the proposed limits of construction, one (1) city owned tree will require removal. Eight (8) private trees have already been removed as per previous tree removal permits. All other trees are to be preserved and protected using approved tree protection hoarding. The quantity of replacement tree planting proposed exceeds the Site Plan compensation requirements.

Prepared By:  
STRYBOS BARRON KING LTD.










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I.S.A. Certified Arborist ON-1114A  
Senior Landscape Technologist  
Ext. 228



[illegible]

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**Appendix B – SITE PHOTOGRAPHS**

	
Tree#s 1 & 2 (view west along Corporate Dr.)	Tree# 3 (view west along Corporate Dr.)
	
Tree#s 4-6 (view west along Corporate Dr.)	Tree#s 4-9 (view east along Corporate Dr.)
	
Tree#s 10-12	Tree#s 13-18 (northeast corner of the property)
	
Tree#s 19 & 20	Tree#s 20 & 21



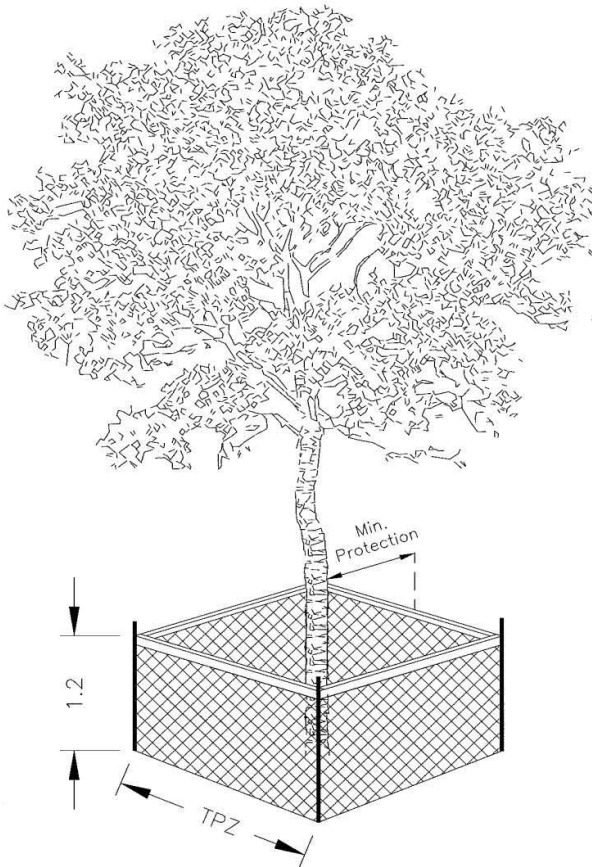
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Tree#s 22-26	Tree#s 27-29
	
Tree#s 30-35 (view north along Appleby Line)	Tree#s 30-35 (view south along Appleby Line)
	
Tree# 36	Dead and failed tree on boulevard

**ARBORIST REPORT**  
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**Appendix C – TREE PROTECTION HOARDING DETAIL**

**Tree Protection and Preservation**  
**Specification No.: SS12A**



**Detail TP-1 – Tree Protection Detail.**

Trunk Diameter (DBH) <sup>2</sup>	Minimum Tree Protection Zone (MTPZ) Distances Required <sup>3</sup>	Critical Root Zone (CRZ) Distances Required <sup>3&amp;4</sup>
< 10 cm	1.8 m	1.8 m
11 - 40 cm	2.4 m	4.0 m
41 - 50 cm	3.0 m	5.0 m
51 - 60 cm	3.6 m	6.0 m
61 - 70 cm	4.2 m	7.0 m
71 - 80 cm	4.8 m	8.0 m
81 - 90 cm	5.4 m	9.0 m
91 - 100+ cm	6.0 m	10.0 m

**NOTES:**

<sup>1</sup> The roots of a tree can extend from the trunk to approximately 2-3 times the distance of the drip line.

<sup>2</sup> Diameter at breast height (DBH) is the measurement of tree trunk taken at 1.4 metres above ground.

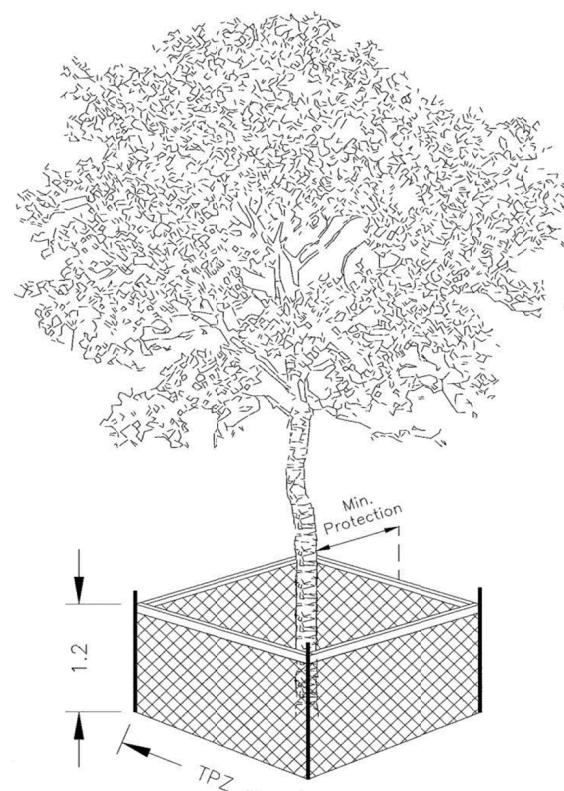
<sup>3</sup> Minimum Tree Protection Zone and Critical Root Zone distances are to be measured from the outside edge of the tree base towards the drip line and may be limited by an existing paved surface, provided the existing paved surface remains intact throughout the construction work and is subject to Section 6 of this specification.

<sup>4</sup> Where work is being performed beyond the Minimum Tree Protection Zone but within the Critical Root Zone the works are subject to Section 8 of this specification.

**TREE PROTECTION BARRIER**

1. The required barrier is a 1.2 metre (4 ft) high orange plastic web snow fencing on 2" x 4" frame. Where orange plastic web snow fencing creates a restriction to sightlines, page wire fencing with reflective tape can be used.
2. Tree protection barriers are to be erected prior to the commencement of any construction or grading activities on the site and are to remain in place throughout the entire duration of the project. The barriers shall be maintained erect and in good repair throughout the duration of construction operations with breaks and unsupported sections repaired immediately. Tree protection may not be removed prior to the completion of construction without written authorization from the City Arborist.
3. All supports and bracing used to safely secure the barrier should be located outside the MTPZ. All supports and bracing should minimize damage to roots.
4. Where some fill or excavated material must be temporarily located near a MTPZ, a wooden barrier with silt fencing must be used to ensure no material enters the MTPZ.
5. No materials or fill may be stored within the MTPZ.
6. Equipment or vehicles shall not be operated, parked, repaired, or refueled within the MTPZ.
7. No construction activity, grade changes, surface treatment or excavations of any kind is permitted within the MTPZ without written authorization from the City Arborist.
8. A laminated Minimum Tree Protection Zone sign (See Detail TP-3 – Minimum Tree Protection Zone Sign) must be attached to the side of the Tree Protection where it will be visible by persons entering the site. Minimum size must be 10"x14".





Detail TP-1 - Tree Protection Detail.

Trunk Diameter (DBH) <sup>1</sup>	Minimum Tree Protection Zone (TPZ) Distances Required <sup>2</sup>	Critical Root Zone (CRZ) Distances Required <sup>3</sup>
< 10 cm	1.8 m	1.8 m
11 - 40 cm	2.4 m	4.0 m
41 - 50 cm	3.0 m	5.0 m
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91 - 100+ cm	6.0 m	10.0 m

NOTES:

- <sup>1</sup> The roots of a tree can extend from the trunk to approximately 2-3 times the distance of the drip line.
- <sup>2</sup> Diameter at breast height (DBH) is the measurement of tree trunk taken at 1.4 metres above ground.
- <sup>3</sup> Minimum Tree Protection Zone and Critical Root Zone distances are to be measured from the outside edge of the tree base towards the drip line and may be limited by an existing paved surface, provided the existing paved surface remains intact throughout the construction work and is subject to Section 6 of this specification.
- <sup>4</sup> Where work is being performed beyond the Minimum Tree Protection Zone but within the Critical Root Zone the works are subject to Section 8 of this specification.

TREE PROTECTION BARRIER

- The required barrier is a 1.2 metre (4 ft) high orange plastic web snow fencing on 2" x 4" frame. Where orange plastic web snow fencing creates a restriction to sightlines, pipe wire fencing with reflective pipe can be used.
- The protection barriers are to be erected prior to the commencement of any construction or grading activities on the site and are to remain in place throughout the entire duration of the project. The barriers shall be maintained erect and in good repair throughout the duration of construction operations with breaks and unsupported sections repaired immediately. Tree protection may be not be removed prior to the completion of construction without written authorization from the City of Burlington.
- All supports and bracing used to safely secure the barrier should be located outside the MTPZ. All supports and bracing should minimize damage to roots.
- Where some fill or excavated material must be temporarily located near a MTPZ, a wooden barrier with silk fencing must be used to ensure no material enters the MTPZ.
- No materials or fill may be stored within the MTPZ.
- Equipment or vehicles shall not be operated, parked, repaired, or refueled within the MTPZ.
- No construction activity, grade changes, surface treatment or excavations of any kind is permitted within the MTPZ without written authorization from the City of Burlington.
- A limited Minimum Tree Protection Zone sign (See Detail TP-3 - Minimum Tree Protection Zone Sign) must be attached to the side of the Tree Protection where it will be visible by persons entering the site. Minimum size must be 10"x14".

**Burlington**

**TREE PROTECTION ZONE (TPZ)**

No equipment or vehicles shall be operated, parked, repaired or refueled within the Tree Protection Zone.

No construction activity, grade changes, surface treatment or excavations of any kind is permitted within the Tree Protection Zone.

No materials or fill may be stored within the Tree Protection Zone.

This tree protection barrier must not be removed prior to the completion of construction without written authorization from the City of Burlington, Urban Forestry Department.

For information contact:  
City of Burlington, Development and Infrastructure Division,  
905-335-7642

1 V100 TREE PROTECTION HOARDING AND SIGNAGE

EXISTING TREE INVENTORY												
KEY	SPECIES	CALIPER	CROWN	HEALTH	STRUCTURE	COMMENTS	PRESERVATION	OWNERSHIP	MIN. TPZ	KEY		
		IN (CM)	IN (M)	G/F/P			DIRECTION					
1	COLORADO BLUE SPRUCE	42.0	7.0	GOOD	GOOD FORM	TOPPED LEADER, BRANCHING TO GRADE	PRESERVE	MUNICIPAL	3	1		
2	COLORADO BLUE SPRUCE	28.0	6.0	GOOD	NARROW FORM	BRANCHING TO GRADE, MINOR DIEBACK ON LOWER TWIG TIPS	PRESERVE	MUNICIPAL	2.4	2		
3	COLORADO BLUE SPRUCE	33.0	6.0	GOOD	GOOD FORM	CROWN SLIGHTLY ELEVATED, MINOR TWIG TIP DIEBACK THROUGHOUT	PRESERVE	MUNICIPAL	2.4	3		
4	COLORADO BLUE SPRUCE	31.0	6.0	POOR	IRREGULAR FORM	LEANING, DEAD LEADER, TWIG TIP DIEBACK THROUGHOUT	PRESERVE	MUNICIPAL	2.4	4		
5	COLORADO BLUE SPRUCE	37.0	6.0	GOOD	GOOD FORM	BRANCHING TO GRADE	PRESERVE	MUNICIPAL	2.4	5		
6	SWEETGUM	4.0	1.0	FAIR	NARROW FORM	IMMATURE BOULEVARD TREE, SOME DIEBACK THROUGHOUT	PRESERVE	MUNICIPAL	1.8	6		
7	SWEETGUM	4.0	1.0	POOR	NARROW FORM	IMMATURE BOULEVARD TREE, SIGNIFICANT DIEBACK IN CROWN	PRESERVE	MUNICIPAL	1.8	7		
8	COLORADO BLUE SPRUCE	27.0	6.0	GOOD	GOOD FORM	BRANCHING TO GRADE	PRESERVE	MUNICIPAL	2.4	8		
9	COLORADO BLUE SPRUCE	28.0	6.0	GOOD	GOOD FORM	BRANCHING TO GRADE	PRESERVE	PRIVATE	2.4	9		
10	COLORADO BLUE SPRUCE	33.0	7.0	GOOD	GOOD FORM	BRANCHING TO GRADE, MINOR DIEBACK ON LOWER BRANCHES	PRESERVE	PRIVATE	2.4	10		
11	NORWAY MAPLE	27.0	8.0	FAIR	POLLARDED FORM	BROAD FORM, MINOR INTERNAL BRANCH DIEBACK	PRESERVE	PRIVATE	2.4	11		
12	NORWAY MAPLE	24.0	8.0	FAIR	POLLARDED FORM	BROAD FORM, MINOR INTERNAL BRANCH DIEBACK	PRESERVE	PRIVATE	2.4	12		
13	HONEYLOCUST	41.0	13.0	GOOD	ONE SIDED FORM	CROWDED BY ADJACENT TREE, DOUBLE LEADER, DIEBACK ON LOWER BRANCHES, MINOR INTERNAL DIEBACK	PRESERVE	PRIVATE	3	13		
14	HONEYLOCUST	46.0	15.0	GOOD	ONE SIDED FORM	CROWDED BY ADJACENT TREE, MULTIPLE LEADERS, DIEBACK ON LOWER BRANCHES, MINOR INTERNAL DIEBACK	PRESERVE	PRIVATE	3	14		
15	AUSTRIAN PINE	39.0	7.0	FAIR	ONE SIDED FORM	DOUBLE LEADER, SLIGHTLY LEANING, DIEBACK ON LOWER BRANCHES	PRESERVE	PRIVATE	2.4	15		
16	AUSTRIAN PINE	36.0	8.0	FAIR	IRREGULAR FORM	LEANING, CROWDED BY ADJACENT TREE, ONE SIDED FORM, SIGNIFICANTLY CURVED STEM AND LEADER	PRESERVE	PRIVATE	2.4	16		
17	AUSTRIAN PINE	24.0	5.0	POOR	ONE SIDED FORM	50% DEAD, DECLINING	REMOVED UNDER PREVIOUS PERMIT	PRIVATE	2.4	17		
18	HONEYLOCUST	40.0	12.0	GOOD	ASYMMETRICAL FORM	CROWDED BY ADJACENT TREE, DIEBACK ON LOWER BRANCHES, SOME INTERNAL DEADWOOD IN LOWER CROWN	PRESERVE	PRIVATE	2.4	18		
19	RED MAPLE	9.16	8.0	POOR	MULTI-STEMMED	ONE OF THREE STEMS DEAD, SOME DEADWOOD IN CROWN	REMOVED UNDER PREVIOUS PERMIT	PRIVATE	1.8	19		
20	YELLOW BIRCH	13.19	9.0	GOOD	MULTI-STEMMED	BROAD FORM, SUCKER GROWTH AT BASE, LOW BRANCHING	PRESERVE	PRIVATE	2.4	20		
21	AUSTRIAN PINE	15.32	10.0	FAIR	MULTI-STEMMED	WEAK CROTCH, DIEBACK ON LOWER BRANCHES, SIME TWIG TIP DIEBACK IN CROWN	PRESERVE	PRIVATE	2.4	21		
22	AUSTRIAN PINE	28.0	7.0	POOR	NARROW FORM	ELEVATED CROWN, DIEBACK THROUGHOUT	PRESERVE	PRIVATE	2.4	22		
23	HONEYLOCUST	8.0	5.0	GOOD	GOOD FORM	IMMATURE BOULEVARD TREE	PRESERVE	MUNICIPAL	1.8	23		
24	ASH	32.0	8.0	POOR	ONE SIDED FORM	SEVERELY DECLINING DUE TO EAB	REMOVED UNDER PREVIOUS PERMIT	PRIVATE	2.4	24		
25	ASH	35.0	11.0	POOR	DOUBLE LEADER	DECLINING	REMOVED UNDER PREVIOUS PERMIT	PRIVATE	2.4	25		
26	ASH	41.0	12.0	POOR	OPEN FORM	DECLINING	REMOVED UNDER PREVIOUS PERMIT	PRIVATE	3	26		
27	AUSTRIAN PINE	41.0	9.0	FAIR	MULTIPLE LEADERS	ASYMMETRICAL FORM, CROWDED BY ADJACENT TREE, DIEBACK ON LOWER BRANCHES	REMOVED UNDER PREVIOUS PERMIT	PRIVATE	3	27		
28	AUSTRIAN PINE	34.0	10.0	POOR	ONE SIDED FORM	DIEBACK THROUGHOUT	REMOVED UNDER PREVIOUS PERMIT	PRIVATE	2.4	28		
29	AUSTRIAN PINE	33.0	7.0	POOR	ONE SIDED FORM	DIEBACK THROUGHOUT	REMOVED UNDER PREVIOUS PERMIT	PRIVATE	2.4	29		
30	COLUMNAR NORWAY MAPLE	35.0	6.0	GOOD	GOOD FORM	DIEBACK ON LOWER BRANCHES, MINOR INTERNAL DIEBACK	PRESERVE	MUNICIPAL	2.4	30		
31	COLUMNAR NORWAY MAPLE	34.0	6.5	GOOD	GOOD FORM	MINOR INTERNAL DIEBACK	PRESERVE	MUNICIPAL	2.4	31		
32	COLUMNAR NORWAY MAPLE	38.5	7.0	GOOD	GOOD FORM	GIRDLED ROOTS, MINOR INTERNAL DIEBACK	PRESERVE	MUNICIPAL	2.4	32		
33	COLUMNAR NORWAY MAPLE	39.0	7.0	GOOD	DOUBLE LEADER	LOW BRANCHING, MINOR DIEBACK ON LOWER BRANCHES	PRESERVE	MUNICIPAL	2.4	33		
34	COLUMNAR NORWAY MAPLE	38.0	8.0	GOOD	GOOD FORM	MINOR INTERNAL DIEBACK	PRESERVE	MUNICIPAL	2.4	34		
35	COLUMNAR NORWAY MAPLE	44.0	7.0	GOOD	GOOD FORM	MULTIPLE STEM UNIONS AT 1.2m HT.	PRESERVE	MUNICIPAL	3	35		
36	REDPOINTE MAPLE	5.0	1.0	GOOD	GOOD FORM	IMMATURE BOULEVARD TREE, TWIG TIP DIEBACK IN UPPER CROWN	REMOVE	MUNICIPAL	1.8	36		
37	DEAD TREE			DEAD		DEAD TREE WHICH HAS FAILED AND IS LYING ON THE GROUND		MUNICIPAL		37		

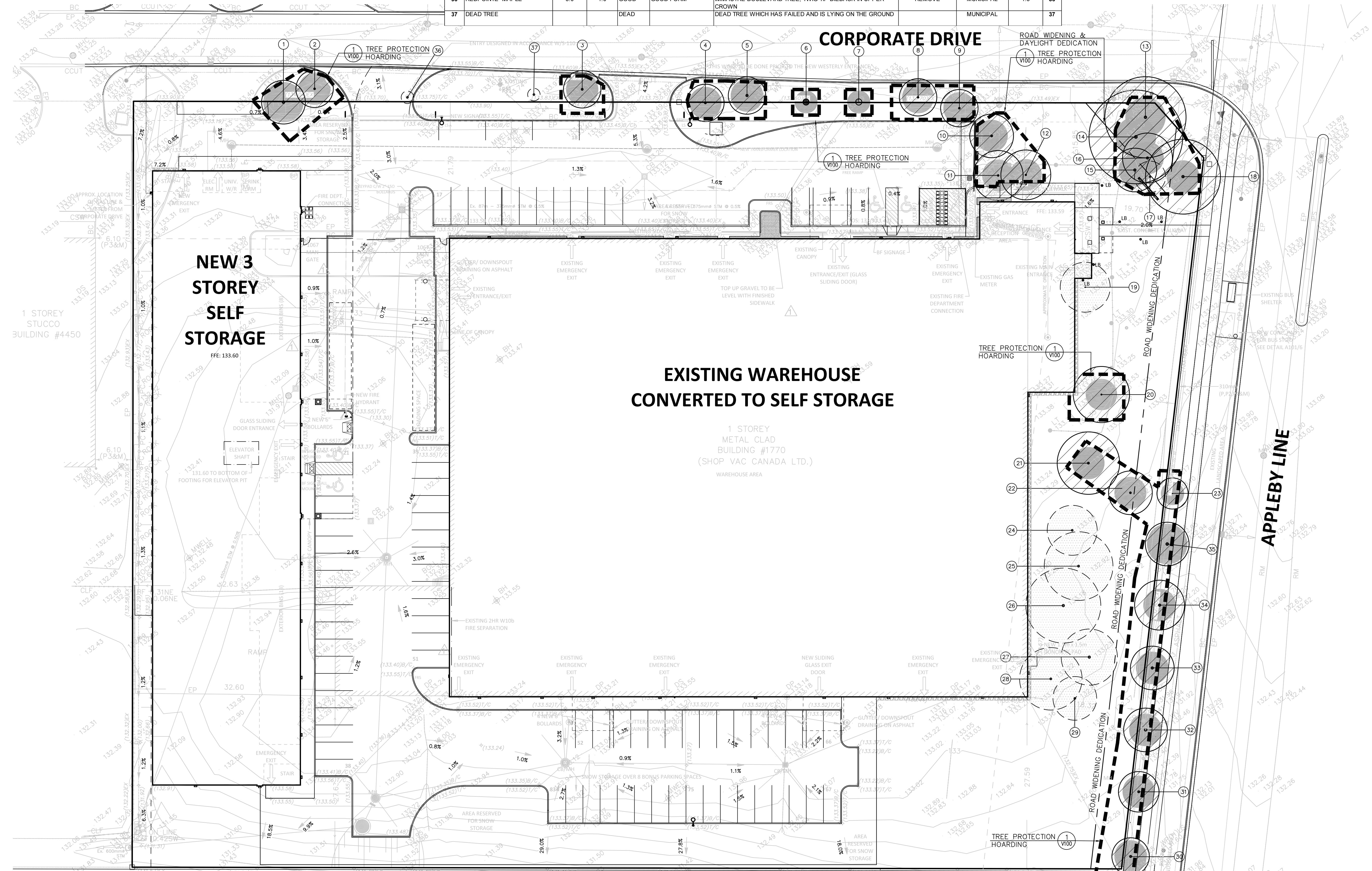
NOTE:

MEASURES SHALL BE TAKEN TO ENSURE THE PRESERVATION OF EXISTING TREES #9 AND #10 ADJACENT TO THE EXCAVATION FOR THE SANITARY WORKS.

USE AN AIR SPADE OR HAND DIGGING FOR THE PORTION OF THE TRENCH ADJACENT TO THESE TREES AND WITHIN THE TPZ'S, AS PER ARBORIST'S RECOMMENDATIONS.

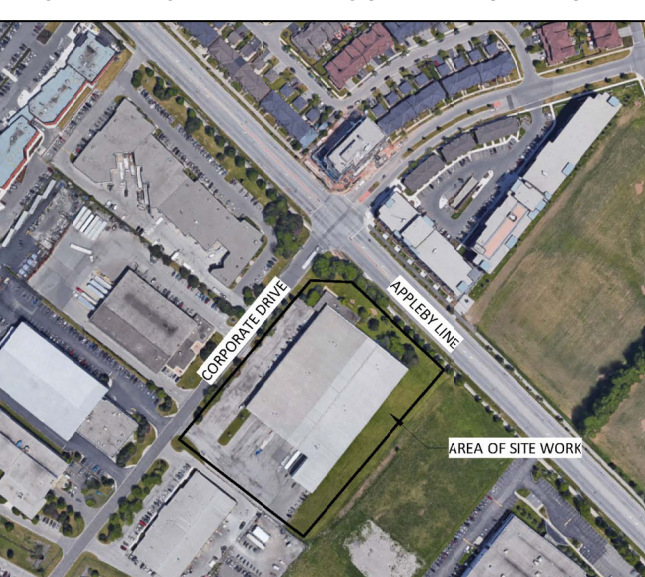
EXPOSED ROOTS AND LEVEL OF INJURY TO BE ASSESSED ON SITE BY THE ARBORIST.

ROOTS TO BE PRUNED IN AN ARBORICULTURALLY ACCEPTABLE MANNER AT THE LIMITS OF TRENCH EXCAVATION AS DIRECTED BY ARBORIST.



GENERAL NOTES

- VERIFY ALL DIMENSIONS.
- DO NOT SCALE DRAWINGS.
- REPORT ANY DISCREPANCIES, DISCOVERED ERRORS, OR OMISSIONS TO THE LANDSCAPE ARCHITECT BEFORE PROCEEDING.
- IT IS ADVISED THAT CONTRACTORS CONTACT THE LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION TO ENSURE THE USE OF THE LATEST REVISED DRAWINGS.
- DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF THE LANDSCAPE ARCHITECT.



KEY PLAN LEGEND

- TREE PROTECTION HOARDING
- EXISTING TREES TO BE PRESERVED
- MINIMUM TREE PROTECTION ZONE (TPZ)
- VEGETATION NUMBER KEY
- VEGETATION NUMBER KEY
- EXISTING TREES TO BE REMOVED
- TREES PREVIOUSLY REMOVED UNDER ANOTHER PERMIT

**Matthew C. Gephres**

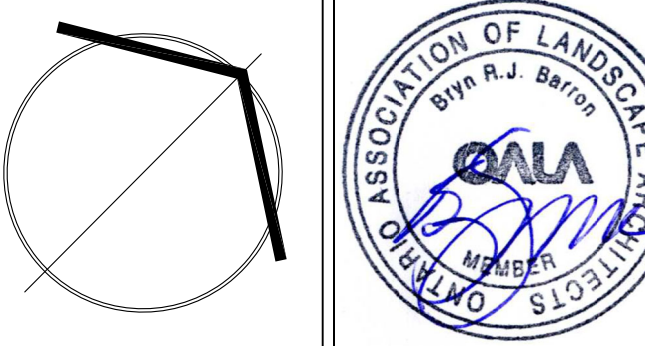
**MATTHEW C. GEPHRES**  
International Society of Arboriculture  
Certified Arborist #0N-1114A  
Date: **DECEMBER 10, 2020**

ISA

LIST OF DRAWINGS

No.	DATE	REVISION	BY
8	MAY, 05, 2022	ISSUED FOR RESUBMISSION	M.G.
7	APR, 13, 2022	ISSUED FOR RESUBMISSION	L.A.B
6	NOV, 2, 2021	ISSUED FOR BUILDING PERMIT APPLICATION	L.A.B
5	DEC 15, 2020	ISSUED FOR SUBMISSION	L.A.B
4	AUG 14, 2020	ISSUED FOR SUBMISSION	L.A.B
3	AUG 06, 2020	AS PER REVISED SITE PLAN	L.A.B
2	FEB 21, 2020	ISSUED FOR SUBMISSION TO CITY	L.A.B
1	FEB 20, 2020	ISSUED FOR REVIEW	L.A.B

It is the responsibility of the Contractor and/or Owner to ensure that the drawings with the latest revisions are used for construction.



**SBK**

**STRYBOS BARRON KING**  
LANDSCAPE ARCHITECTURE

PROJECT:

**BLUEBIRD SELF STORAGE**

1770 APPLEBY LINE  
BURLINGTON, ON

DRAWING TITLE:

**EXISTING TREE INVENTORY AND PRESERVATION PLAN**

SCALE: 1 : 300	PROJECT No. <b>19-5379</b>
DATE: NOVEMBER 2019	DRAWING No. <b>V100</b>
DRAWN BY: SS	
CHECKED BY: MG	<b>3 of 3</b>