ARBORIST REPORT

Pertaining to:

236 Plains Rd. E.
Burlington, ON
L7T 2C3

Prepared for:

Weston Consulting
201 Millway Ave.
Vaughan, ON
L4K 5K8

Prepared by:

Urban Arboretum Tree Consulting
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Created: November 30, 2023
Last revised: April 9, 2024

Introduction

Urban Arboretum Tree Consulting (the arborist) was retained by Weston Consulting (the client) to complete an arborist report pertaining to 236 Plains Road East, Burlington (the subject site). The report was requested relative to the demolition of an existing residential dwelling and the construction of a new multi-residential structure (the scope).

The purpose of this report is to:

- Establish species, size and condition of trees as required by the City of Burlington Private Tree By-law 40-2022 & Public Tree By-law 68-2013, also to provide written tree protection recommendations.
- Provide a Tree Protection Plan showing required tree protection measures in accordance with the City of Burlington's Tree Protection and Preservation Specification SS12A & Guide to Tree Protection.

Methodology

1. The subject site was assessed on May 31, 2022 & February 15th 2023 by the arborist.

2. Photos were taken at the time of assessment and the most representative are attached as Appendix I.

3. The methods used to collect data and the information provided in this report complies with the details and instructions provided in the City of Burlington SS12A Standard for Tree Protection and Preservation, Guide to Tree Protection, Private Tree By-law 04-2022, and Public Tree By-law 068-2013.

4. Trees within the following categories were assessed and recorded in this Arborist Report:

Ownership Category	Description
1 - Private	Trees with diameters of 20 cm or greater, situated on private property on the subject site.
2 – Neighbor	Trees with diameters of 20 cm or greater, situated on private property within 6 meters of the subject site.
5 – Public	Trees of all diameters situated within City property.
6 – Boundary	Trees located on the property line with an adjoining site where the property line crosses the main stem of the tree prior to the formation of the first scaffold limb.

5. Trunk diameter was measured using a calibrated diameter tape. The measurement was taken at 1.4 meters above ground level, generally referred to as the diameter at breast height (DBH). For trees located on adjacent private property DBH was estimated.

6. Trees were assessed in consideration of overall biological condition and structural condition and assigned a condition rating ranging from excellent (90%) to good (80%) to fair (60%) to fair/poor (50%) to poor (35%) to Very poor (20%) based on overall health. %) for both categories.

7. Tree protection comments were added by the arborist to a grading plan created by S. Llewellyn & Associates Ltd. drawing C101 project 23057 dated March 28, 2024.

Tree Protection Plan

Pre-Construction

1. The following tree protection measures must be read in conjunction with the Tree Protection Plan (Appendix III). Both documents must be provided to the site supervisor prior to any work commencing on the site.

2. Where indicated on the Tree Protection Plan roots must be exposed and pruned cleanly by a certified arborist according to good arboricultural practices. Tearing roots hinders wound closure and can increase risk of disease and root rot. The air spade must be operated between 90-120 PSI. The trench must be a minimum 61cm (2ft) in depth and 61cm (2ft) in width.

3. No disturbance is allowed within the Tree Protection Zone (TPZ) of protected trees without permission from the City of Burlington.

Trunk Diameter (DBH)	Minimum Tree Protection Zone (MTPZ)	Critical Root Zone (CRZ)
< 10 cm	1.8 m	1.8m
10 - 40 cm	2.4 m	4.0m
41 - 50 cm	3.0 m	5.0m
51 – 60 cm	3.6 m	6.0m
61 – 70 cm	4.2 m	7.0m
71 – 80 cm	4.8 m	8.0m
81 – 90 cm	5.4 m	9.0m
91-100+ cm	6 m	10.0m

4. To minimize soil compaction and to protect tree roots from damage horizontal tree protection in the form of 2 cm (3/4 inch) plywood sheets laminated and secured together and placed atop a 30cm (12 inch) layer of woodchip mulch with a permeable geotextile fabric pinned underlay at the bottom. Alternatively, 2 cm (3/4 inch) steel plates with no checkered or grooved undersides can be placed atop a 10cm (4 inch) layer of woodchip mulch with a permeable geotextile fabric pinned underlay at the bottom. The horizontal tree protection is to be placed as shown on the attached Tree Protection Plan. Soil compaction can irreparably damage existing roots and inhibit the growth of new roots by reducing air and water flow through the soil. The mulch is to be removed by hand and disposed of following completion of construction.

5. Tree Protection Zones (TPZ) distances must be measured from the outside edge at the base of the tree.

6. The City of Burlington requires signs to be mounted on the construction-facing side of the tree protection barriers for the duration of the project. Signs can be found in the City of Burlington SS12A Standard Specification for Tree Protection and Preservation document detail TP-3. Tree protection sign example:



7. Once all tree protection measures have been installed, City of Burlington Forestry staff must be contacted to arrange for an inspection of the site and approval of the tree protection requirements. Photographs that clearly show the installed tree protection shall be provided for City of Burlington Forestry staff review.

Construction Phase

8. It is the responsibility of the site supervisor to inspect the condition of the tree protection measures outlined on the tree protection plan and within this report each morning. If disturbance to the barriers is observed, it is to be repaired prior to work commencing on site that day.

9. Tree protection barriers must remain in place and in good condition during demolition, construction and/or site disturbance, including landscaping, and must not be altered, moved, or removed until authorized by Urban Forestry.

10. Post locations for the proposed noise wall within tree protection zones of Trees 2, 3 & 21 must be installed with the use of a hydro-vac truck under the supervision of a certified arborist. Any roots encountered shall be pruned at the discretion of the attending arborist according to good arboricultural practices. Where possible the tree trunk should be in the middle of the span between posts to ensure the post hole locations are as far from the tree base as possible.

11. Clearance pruning to facilitate the proposed noise barrier installation must be completed by a certified arborist according to good arboricultural practices.

12. During construction, if any tree roots are exposed or disturbed outside the tree protection zone (TPZ), care is to be taken to minimize their disturbance. If roots must be removed outside the TPZ, they are to be cleanly pruned. Tearing roots hinders wound closure and can increase risk of disease and root rot.

Post-Construction

13. At the completion of the project, Urban Forestry is to be notified prior to removal of the tree protection fencing on the site. With approval, the fencing may be dismantled.

Replacement Tree Details

1. Replacement trees will be a combination of replanting and cash-in-lieu of replanting. Please see attached Landscape Concept Plan (Appendix IV) created by Cosburn Nauboris Ltd. drawing L1 project 2440 dated April 5, 2024 indicating the planting locations for 12 deciduous trees. All remaining replacement trees will be in the form of cash-in-lieu.

Additional Notes

1. For additional information on tree care and management techniques as a tree owner see http://www.treesaregood.com/treeowner/treeownerinformation.aspx for a list of educational brochures provided by the International Society of Arboriculture.

Questions or requests for additional information relative to this report should be directed to the undersigned at 647-884-7716.



Kyle Berwick, N.P.D., R.P.F. in Training
I.S.A. Board Certified Master Arborist # ON-1786B
I.S.A. Tree Risk Assessment Qualified
Certified Butternut Health Assessor #437

Limitations of Assessment

It is the policy of Urban Arboretum Tree Consulting to include this disclaimer to ensure our clients are aware of the technical and professional with respect to the limitations inherent in our work. assessing and retaining trees.

This Report was based on the project scope and details for tree preservation provided for review by to the Arborist. The Arborist assumes no responsibility for verification of ownership or locations of property lines, or for results of any actions or recommendations based on inaccurate information provided to the Arborist.

The assessment(s) of the tree(s) presented in this report have been made using accepted and proper arboricultural techniques. This includes an aboveground examination of the tree(s) including but not limited to evidence of structural defects, external indicators of rot or decay, cracking, included bark unions, pests and diseases, foliage and shoot health, natural or unnatural lean, root structures, site conditions, proximity to property and people. Unless otherwise explicitly noted in writing, assessments do not include probing, coring, sounding, climbing assessments, root excavation, pull testing, or any other advanced assessment techniques.

Notwithstanding the recommendations and conclusions in this report, it must be recognized that trees are living organisms and their health, structure and vigor are constantly changing. They can be susceptible to changes in the seasons or weather conditions. Weather events such as windstorms, ice storms and thunderstorms may result in partial or complete tree failure irrespective of assessment results.

All inspections are limited to visual examination of accessible parts, without dissection, excavation, probing, boring, or other invasive procedures, unless otherwise noted in the report. No warranty or guarantee is made, express or implied, that problems or deficiencies will not occur in the future. The consultant shall not be responsible for damages caused by any tree defects and assumes no responsibility for the correction of defects or tree related problems.

The undersigned provides no warranty, either expressed or implied, as to the suitability of the information contained in the report for any purpose. It remains the responsibility of the client to determine applicability to his/her case.

All reports and other correspondence are confidential and are the property of the undersigned and its named clients and their assignees or agents. Possession of this report or a copy thereof does not imply any right of publication or use for any purpose, without the express permission of the consultant and the client to whom the report was issued. Loss, removal, or alteration of any part of the report invalidates the entire report.

Although every effort has been made to ensure that this assessment is reasonably accurate, the tree(s) should be re-assessed periodically. The assessment presented in this report is only valid at the time of inspection. Living with trees means accepting some degree of risk.



Kyle Berwick, N.P.D., R.P.F. in Training
I.S.A. Board Certified Master Arborist # ON-1786B
I.S.A. Tree Risk Assessment Qualified
Certified Butternut Health Assessor #437

Appendix I – Photographs



Photo 1. Trees 1-3.



Photo 2. Trees 4-10.



Photo 3. Trees 9-11.



Photo 4. Trees 12-17.



Photo 5. Trees 18 & 19.



Photo 6. Tree 20.



Photo 7. Tree 21.

Appendix II – Tree Inventory

Report Date: April 9, 2024
Tree Assessment Dates: May 31, 2022, February 15, 2023

Chart Details:

Tree #: Inventoried trees were assigned an identification number
Species: Includes the botanical name and common name of each tree.
DBH: Diameter in cm measured at 1.4 meters from the ground (diameter at breast height). DBH measurements for trees on neighboring properties are estimated.
Crown Radius: Average radius of drip line in meters.
Biological Condition Rating: Overall condition rating from excellent (90%) to good (80%) to fair (60%) to fair/poor (50%) to poor (35%) to Very poor (20%) based on overall health.
Structural Condition Rating: Overall rating from excellent (90%) to good (80%) to fair (60%) to fair/poor (50%) to poor (35%) to Very poor (20%) based on tree Structure.
Condition Comments: Specific observations from the visual assessment that have informed the condition rating.
Minimum TPZ (MTPZ): Minimum required tree protection zone in meters.
Critical Root Zone (CRZ): Critical root zone as described in City of Burlington in meters.
Ownership Category: Ownership of tree based on the supplied survey.
Recommended Action & Details: Arborist Recommendations.

Tree #	Species	DBH (cm)	Crown Radius (m)	Biological Condition	Structural Condition	Condition Comments	Min TPZ (m)	CRZ (m)	Ownership Category	Recommended Action & Details
1	*Acer platanoides* (Norway maple)	39	2.5	Good	Fair	Asymmetrical crown; full canopy.	2.4	4	Public	**Injure** - due to proposed building excavation within 2% of CRZ.

Tree #	Species	DBH (cm)	Crown Radius (m)	Biological Condition	Structural Condition	Condition Comments	Min TPZ (m)	CRZ (m)	Ownership Category	Recommended Action & Details
2	*Acer platanoides* (Norway maple)	67.5	5	Good	Fair - Good	Large frost rib in trunk; fair central leader; full crown.	4.2	7	Private	**Injure** - due to proposed building excavation within 6% of CRZ & post hole installation for noise barrier. Clearance pruning required for noise barrier.
3	*Acer platanoides* (Norway maple)	86	6	Good	Fair	Full crown; Bifurcates at ~2.5m with a fair union; candidate for cabling.	5.4	9	Private	**Injure** - due to proposed building excavation within 4% of MTPZ & 19% of CRZ & post hole installation for noise barrier. Clearance pruning required for noise barrier.
4	*Acer platanoides* (Norway maple)	58	3	Good	Fair	Eutypella canker in main trunk; fair central leader; full crown.	3.6	6	Private	**Remove** - due to proposed driveway.
5	*Acer platanoides* (Norway maple)	60.5	5.5	Good	Fair	Bifurcates at ~5m with a fair union; large diameter leader lost in the past; full crown.	3.6	6	Private	**Remove** - due to proposed driveway.
6	*Acer platanoides* (Norway maple)	45	3	Good	Fair	Bifurcates at ~5m with a fair union; full crown.	3	5	Private	**Remove** - due to proposed retaining wall installation.

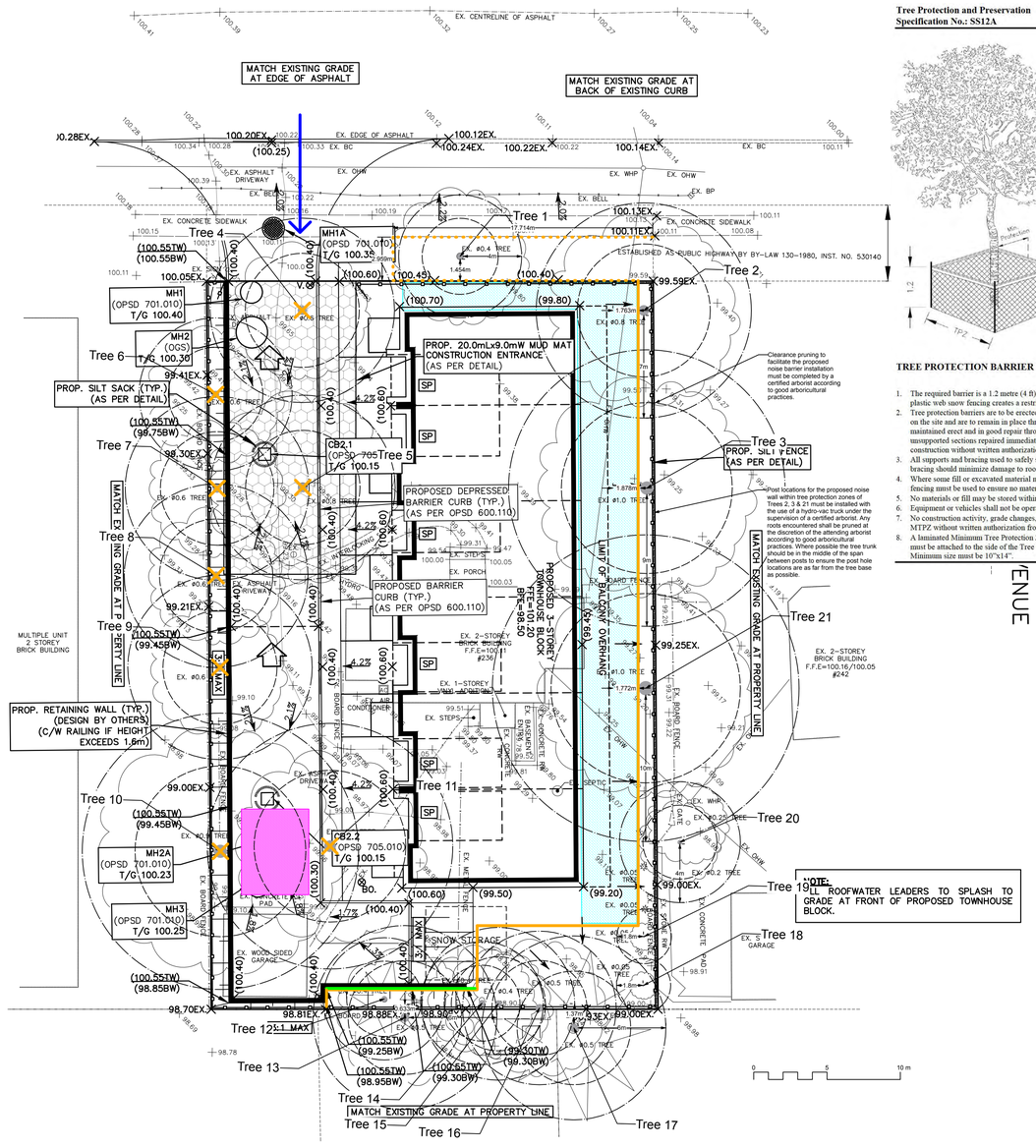
Tree #	Species	DBH (cm)	Crown Radius (m)	Biological Condition	Structural Condition	Condition Comments	Min TPZ (m)	CRZ (m)	Ownership Category	Recommended Action & Details
7	*Acer platanoides* (Norway maple)	54.5	2.5	Good	Poor	Large lower limbs removed with incipient decay; top removed at ~6m.	3.6	6	Private	**Remove** - due to proposed retaining wall installation.
8	*Acer platanoides* (Norway maple)	53	3	Fair	Fair	Bifurcates at ~6m with fair union; large frost crack in trunk.	3.6	6	Private	**Remove** - due to proposed retaining wall installation.
9	*Acer platanoides* (Norway maple)	58	4	Good	Fair	Bifurcates at ~3m with a fair union; large girdling root at base; asymmetrical crown due to past pruning.	3.6	6	Private	**Remove** - due to proposed retaining wall installation.
10	*Acer platanoides* (Norway maple)	85	5	Good	Fair - Poor	Bifurcates at ~3m with a fair union; sunken trunk under scaffold limb indicating possible decay; asymmetrical crown due to Tree 11.	5.4	9	Private	**Remove** - due to proposed retaining wall installation.
11	*Acer platanoides* (Norway maple)	75.5	6	Good	Fair	Three main stems at ~2m with a fair - good union; full crown; decurrent crown structure.	4.8	8	Private	**Remove** - due to proposed driveway.

Tree #	Species	DBH (cm)	Crown Radius (m)	Biological Condition	Structural Condition	Condition Comments	Min TPZ (m)	CRZ (m)	Ownership Category	Recommended Action & Details
12	*Thuja occidentalis* (white cedar)	34	4	Fair	Poor	Suppressed by Tree 13; four main stems from base (13, 17, 14 & 23) with poor unions; one main stem is dead.	2.4	4	Private	**Injure** - due to proposed retaining wall installation within 31% of MTPZ & 36% of CRZ. Air spade and root pruning recommended.
13	*Morus alba* (white mulberry)	55	3	Fair	Fair	Full crown; Bifurcates at ~2m with a fair union.	3.6	6	Neighbor 976 Shadeland Ave	**Injure** - due to proposed retaining wall installation within 18% of MTPZ & 29% of CRZ. Air spade and root pruning recommended.
14	*Morus alba* (white mulberry)	38	3	Good	Fair	Included union (22 & 31) at 1m with slime flux.	2.4	4	Private	**Injure** - due to proposed retaining wall installation within 8% of MTPZ & 13% of CRZ. Air spade and root pruning recommended.
15	*Morus alba* (white mulberry)	42	2.5	Good	Fair	Natural lean to south due to Trees 14 & 16; full crown.	3	5	Private	**Injure** - due to proposed retaining wall installation within 5% of MTPZ & 8% of CRZ. Air spade and root pruning recommended.

Tree #	Species	DBH (cm)	Crown Radius (m)	Biological Condition	Structural Condition	Condition Comments	Min TPZ (m)	CRZ (m)	Ownership Category	Recommended Action & Details
16	*Morus alba* (white mulberry)	48	4	Good	Fair	Minor deadwood; asymmetrical crown due to Tree 17.	3	5	Boundary 976 Shadeland Ave	**Injure** - due to proposed retaining wall installation within 1% of CRZ.
17	*Picea abies* (Norway spruce)	55	5	Good	Fair	Good central leader; good new growth; asymmetrical crown due to Tree 16.	3.6	6	Neighbor 980 Shadeland Ave	**Preserve** - tree protection fence.
18	*Populus tremuloides* (trembling aspen)	9	1	Good	Good	Good central leader; full canopy.	1.8	1.8	Private	**Injure** - due to proposed post hole from noise barrier within MTPZ.
19	*Populus tremuloides* (trembling aspen)	11	1	Good	Good	Good central leader; full canopy.	1.8	1.8	Private	**Injure** - due to proposed post hole from noise barrier within MTPZ.
20	*Populus tremuloides* (trembling aspen)	25	2	Good	Good	Good central leader; full canopy.	2.4	4	Neighbor 242 Plains Rd. E.	**Injure** - due to proposed post hole from noise barrier within MTPZ. Clearance pruning required for proposed noise barrier.

Tree #	Species	DBH (cm)	Crown Radius (m)	Biological Condition	Structural Condition	Condition Comments	Min TPZ (m)	CRZ (m)	Ownership Category	Recommended Action & Details
21	*Acer platanoides* (Norway maple)	92	7	Good	Fair	Three main stems at ~2m with a fair union; existing steel cables in all three stems; minor deadwood.	6	10	Private	**Injure** - due to proposed building excavation within 7% of MTPZ & 21% of CRZ & post hole installation for noise barrier. Clearance pruning required for proposed noise barrier.

Appendix III – Tree Protection Plan



Tree Protection and Preservation Specification No.: SS12A

Detail TP-1 – Tree Protection Detail.

Trunk Diameter (DBH) [2]	Minimum Tree Protection Zone (MTPZ) Distances Required [3]	Critical Root Zone (CRZ) Distances Required [3&4]
< 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:
[1] The roots of a tree can extend from the trunk to approximately 2-3 times the distance of the drip line.
[2] Diameter at breast height (DBH) is the measurement of tree trunk taken at 1.4 metres above ground.
[3] 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.
[4] 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 be not be removed prior to the completion of construction without written authorization from the Manager of Urban Forestry or designate.
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 Manager of Urban Forestry or designate.
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".

Tree #	Species	DBH (cm)	Crown Radius (m)	Biological Condition Rating	Structural Condition Rating	Condition Comments	Min TPZ (m)	CRZ (m)	Ownership Category	Recommended Action & Details
1	*Acer platanoides* (Norway maple)	39	2.5	Good	Fair	Asymmetrical crown; full canopy.	2.4	4	Public	**Injure** - due to proposed building excavation within 2% of CRZ.
2	*Acer platanoides* (Norway maple)	67.5	5	Good	Fair - Good	Large frost rib in trunk; fair central leader; full crown.	4.2	7	Private	**Injure** - due to proposed building excavation within 6% of CRZ & post hole installation for noise barrier. Clearance pruning required for noise barrier.
3	*Acer platanoides* (Norway maple)	86	6	Good	Fair	Full crown; Bifurcates at ~2.5m with a fair union; candidate for cabling.	5.4	9	Private	**Injure** - due to proposed building excavation within 4% of MTPZ & 19% of CRZ & post hole installation for noise barrier. Clearance pruning required for noise barrier.
4	*Acer platanoides* (Norway maple)	58	3	Good	Fair	Eutypella canker in main trunk; fair central leader; full crown.	3.6	6	Private	**Remove** - due to proposed driveway.
5	*Acer platanoides* (Norway maple)	60.5	5.5	Good	Fair	Bifurcates at ~5m with a fair union; large diameter leader lost in the past; full crown.	3.6	6	Private	**Remove** - due to proposed driveway.
6	*Acer platanoides* (Norway maple)	45	3	Good	Fair	Bifurcates at ~5m with a fair union; full crown.	3	5	Private	**Remove** - due to proposed retaining wall installation.
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11	*Acer platanoides* (Norway maple)	75.5	6	Good	Fair	Three main stems at ~2m with a fair - good union; full crown; decurrent crown structure.	4.8	8	Private	**Remove** - due to proposed driveway.
12	*Thuja occidentalis* (white cedar)	34	4	Fair	Poor	Suppressed by Tree 13; four main stems from base (13, 17, 14 & 23) with poor unions; one main stem is dead.	2.4	4	Private	**Injure** - due to proposed retaining wall installation within 31% of MTPZ & 36% of CRZ. Air spade and root pruning recommended.
13	*Morus alba* (white mulberry)	55	3	Fair	Fair	Full crown; Bifurcates at ~2m with a fair union.	3.6	6	Neighbor 976 Shadeland Ave	**Injure** - due to proposed retaining wall installation within 18% of MTPZ & 29% of CRZ. Air spade and root pruning recommended.
14	*Morus alba* (white mulberry)	38	3	Good	Fair	Included union (22 & 31) at 1m with slime flux.	2.4	4	Private	**Injure** - due to proposed retaining wall installation within 8% of MTPZ & 13% of CRZ. Air spade and root pruning recommended.
15	*Morus alba* (white mulberry)	42	2.5	Good	Fair	Natural lean to south due to Trees 14 & 16; full crown.	3	5	Private	**Injure** - due to proposed retaining wall installation within 5% of MTPZ & 8% of CRZ. Air spade and root pruning recommended.
16	*Morus alba* (white mulberry)	48	4	Good	Fair	Minor deadwood; asymmetrical crown due to Tree 17.	3	5	Boundary 976 Shadeland Ave	**Injure** - due to proposed retaining wall installation within 1% of CRZ.
17	*Picea abies* (Norway spruce)	55	5	Good	Fair	Good central leader; good new growth; asymmetrical crown due to Tree 16.	3.6	6	Neighbor 980 Shadeland Ave	**Preserve** - tree protection fence.
18	*Populus tremuloides* (trembling aspen)	9	1	Good	Good	Good central leader; full canopy.	1.8	1.8	Private	**Injure** - due to proposed post hole from noise barrier within MTPZ.
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Tree Protection Comments:

•Tree protection comments were added by the arborist to a grading plan created by S. Llewellyn & Associates Ltd. drawing C101 project 23057 dated March 28, 2024.

• It is the responsibility of the site supervisor to inspect the condition of the tree protection measures outlined on the tree protection plan each morning. If disturbance to the barriers is observed, it is to be repaired prior to work commencing on site that day.

• Tree protection barriers must remain in place and in good condition during demolition, construction and/or site disturbance, including landscaping, and must not be altered, moved or removed until authorized by Urban Forestry.

•To minimize soil compaction and to protect tree roots from damage horizontal tree protection in the form of 2 cm (3/4 inch) plywood sheets laminated and secured together and placed atop a 30cm (12 inch) layer of woodchip mulch with a permeable geotextile fabric pinned underlay at the bottom. Alternatively, 2 cm (3/4 inch) steel plates with no checkered or grooved undersides can be placed atop a 10cm (4 inch) layer of woodchip mulch with a permeable geotextile fabric pinned underlay at the bottom. The horizontal tree protection is to be placed as shown on the attached Tree Protection Plan. Soil compaction can irreparably damage existing roots and inhibit the growth of new roots by reducing air and water flow through the soil. The mulch is to be removed by hand and disposed of following completion of construction.

• Tree Protection Zones (TPZ) distances must be measured from the outside edge at the base of the tree.

• Where indicated on the Tree Protection Plan roots must be exposed using an air spade and pruned cleanly by a certified arborist according to good arboricultural practices. Tearing roots hinders wound closure and can increase risk of disease and root rot. The air spade must be operated between 90-120 PSI. The trench must be minimum 61cm (2ft) in depth and 61cm (2ft) in width.

• During construction, if any tree roots are exposed or disturbed outside the tree protection zone (TPZ), care is to be taken to minimize their disturbance. If roots must be removed outside the TPZ, they are to be cleanly pruned. Tearing roots hinders wound closure and can increase risk of disease and root rot.

• All landscape and construction work within the Minimum Tree Protection Zones (MTPZs) of affected trees must be competed using hand tools only.

• At the completion of the project, the Forestry Department is to be notified prior to removal of the tree protection fencing on the site. With approval, the fencing may be dismantled.

Tree Protection Plan
Appendix III

236 Plains Rd. E. Burlington, ON.

Legend:

- Tree Removal
- 4' Tall Plywood Tree Protection Fencing
- 4' Tall Snow Fence Tree Protection Fencing
- Minimum Tree Protection Zone
- Critical Tree Protection Zone
- Material Storage Area
- Site Access Route Approx. Width: 3m
- Air spade location
- Horizontal Tree Protection

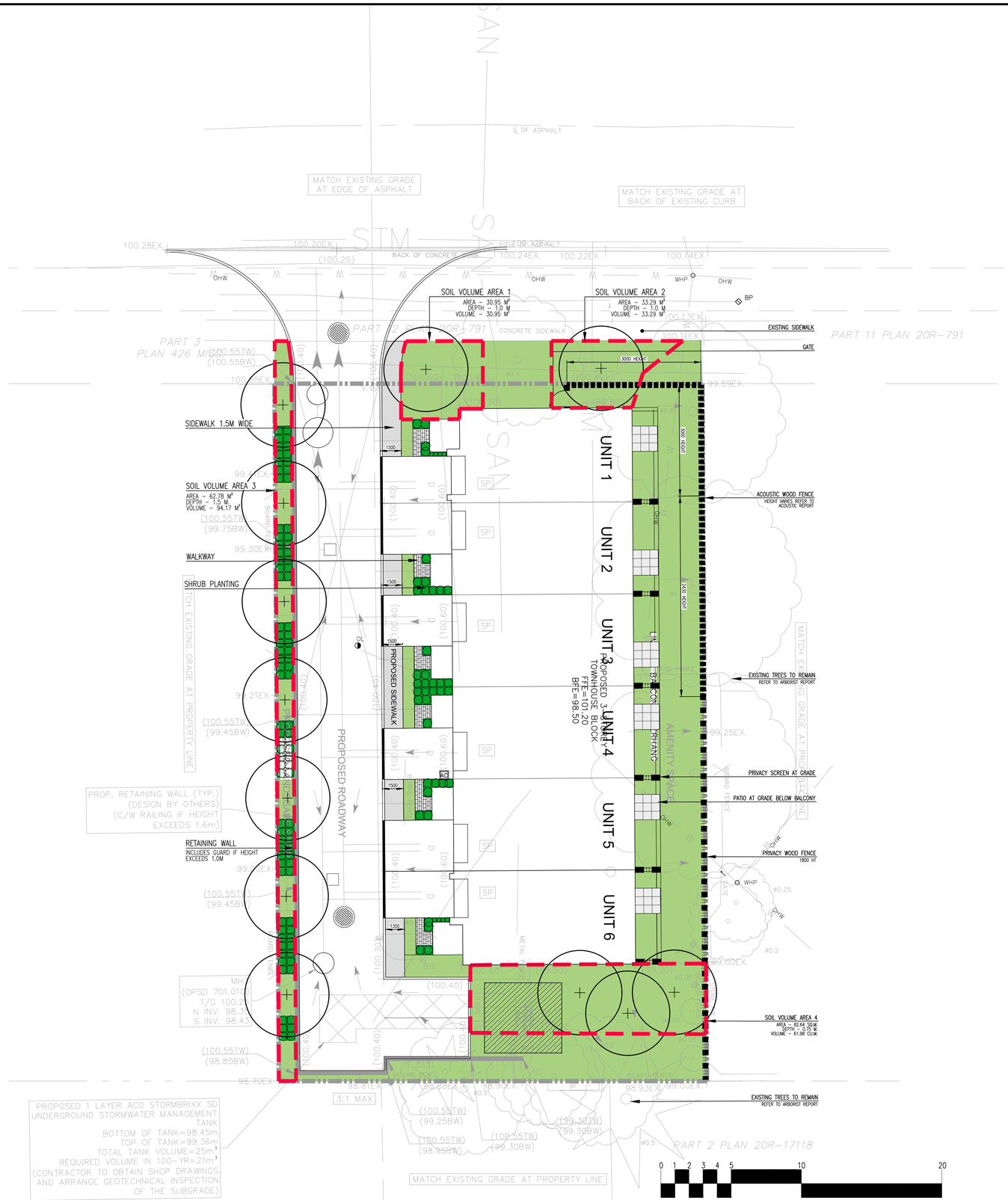
Urban Arboretum
2309 Mountain Grove Ave.
Burlington, ON
L7P 2H8
647-884-7716
contact@urbanarboretum.ca

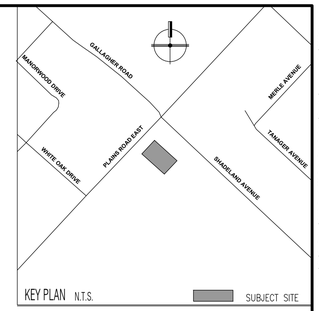
Scale:	1 - 200
Drawn By:	Kyle Berwick
Last Revised:	Apr 9, 2024
Date Created:	Nov 30, 2023

Drawing No.
TPP1

Appendix IV – Landscape Concept Plan

SET NO. 1





LEGEND

- PROPERTY LINE
- ACOUSTIC WOOD FENCE
- PRIVACY WOOD FENCE / PRIVACY SCREEN
- RETAINING WALL
- SOIL VOLUME AREA
- GATE
- WALKWAY
- PATIO
- SHRUB PLANTING
- SOD
- SNOW STORAGE AREA
- DECIDUOUS TREE
- EXISTING DECIDUOUS TREE TO REMAIN
- EXISITNG DECIDUOUS TREE TO REMAIN

Base Information

Site Plan information received in digital format from MacKay, MacKay & Peters Limited, Project No. 23-044-SP, dated March 6, 2024 and received March 18, 2024.
Servicing and Grading information received in digital format from S. Llewellyn & Associated Limited, Project No. 23057 dated March 28, 2024 and received April 2, 2024.

No	Revision	By	Yr Mo Da
2	ZBA Submission	FC	24 04 05
1	ZBA Submission	SKC	23 12 01

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236 PLAINS ROAD EAST
CORAL GABLE HOMES
CITY OF BURLINGTON

LANDSCAPE CONCEPT PLAN

Drawn by	SW/MR	Scale	1:150
Checked by	SKC	Plot Date	2024-04-05
Approved by	HN	Project	2440

L1
Drawing No.

DXL PROJECT FILE: C:\Users\fjpr\Dxlnc design Dropbox\DXL\2A Projects\2440-Rdpln-236 Plains Road Burlington\Drawings\working drawings\2440plan-ca.dwg