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**Tree Conservation Report
Proposed Warehouse Development
3113 Carp Road
Geographic Township of Huntley
Ottawa, Ontario**





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Submitted to:

Megha Holdings Inc.
1558 Blohm Drive
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**Tree Conservation Report
Proposed Warehouse Development
3113 Carp Road
Geographic Township of Huntley
Ottawa, Ontario**

August 7, 2026
Project: 104420.001

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1.0 INTRODUCTION

GEMTEC Consulting Engineers and Scientists Limited (GEMTEC) was retained by Megha Holdings Inc. to carry out a Tree Conservation Report (TCR) for the property located at 3113 Carp Road, Geographic Township of Huntley, in Ottawa, Ontario, hereafter referred to as the “subject property”. The site location is provided in Figure A.1 in Appendix A.

1.1 Purpose

The proponent is seeking to develop a warehouse facility on an approximately 3.05 ha vacant property. A TCR was initially prepared for the subject property in 2022. Given the time elapsed since its completion, in conjunction with changes to the proposed development concept, a revised TCR is required to ensure that it accurately reflects current site conditions, tree inventory information, and the potential impacts of the revised development proposal.

The 2022 Tree Conservation Report was prepared in accordance with the City of Ottawa’s Urban Tree Conservation By-Law (No. 2009-200). Since that time, the proposed development concept and regulations have changed.

In accordance with the City of Ottawa Tree Protection By-law (By-law No. 2020-340), a Tree Conservation Report (TCR) is required to identify trees to be retained and protected under future development scenarios and, where feasible, identify opportunities to offset the loss of trees that cannot be retained or contribute to the City’s forest cover targets.

The proposed development concept includes the creation of a 0.75 ha warehouse building. The existing site layout and proposed development plan is provided in Figure A.2 in Appendix A.

1.2 Definitions

Terms and abbreviations used throughout the remainder of this report are summarized below.

Diameter at Breast Height (DBH), is defined as the diameter of the tree trunk measured at a height of 1.2 metres above ground surface for trees of 10 centimeters in diameter and greater.

Critical Root Zone (CRZ), is defined as the ground area within a circumference around the tree trunk calculated as 10 centimeters from the trunk of the tree for every one centimeter of tree trunk diameter at breast height.

Distinctive Tree, a distinctive tree within the City of Ottawa is defined as any tree with a DBH of 30 cm or greater within the inner urban area and with a DBH of 50 cm or greater within the suburban area and rural area. For the purposes of this report, a distinctive tree is considered to be a tree with a DBH of 50 cm or greater, as the subject property is located within the rural area.

2.0 METHODOLOGY

2.1 Desktop Review

To complete the TCR, digital colour air photos of the site available from GeoOttawa were reviewed from 1976 to 2021 to identify natural features, including historical trees, present on-site and in the vicinity of the site.

2.2 Field Investigations

In addition to the completion of a desktop review of historical air photos, a site visit was conducted on September 29, 2022, from 9:20 to 11:30, to document and identify all trees on-site with a DBH greater than 10 cm. Site conditions during the field investigation were as follows: 8°C, 10% cloud cover, Beaufort wind 4 and no precipitation.

As mentioned in Section 1.1, given the time elapsed since the initial field investigation, a supplemental field investigation was conducted on May 22, 2026, from 10:00 to 11:45, to confirm the conditions of the 2022 field investigation. Site conditions during the field investigation were as follows: 14°C, 5% cloud cover, Beaufort wind 1 and no precipitation.

The site investigations utilized transects bisecting the property to document the health of each tree greater than 10 cm in DBH, the trees location and the tree species.

Site photographs taken during the field investigations are provided in Appendix B.

3.0 RESULTS

3.1 Existing Conditions

The subject site is currently partially vacant and consists of cultural meadow habitat and open agriculture. At the time of the 2022 investigation, the row crops were planted with corn; however, during the 2026 field investigation, nothing was planted. The boundaries of the subject site are lined with trees which are mapped as wooded area on the GeoOttawa online database. A watercourse was identified within the study area just outside of the southern property boundary. As outlined in the Environmental Impact Statement (EIS), the watercourse is classified as ephemeral, only holding water for part of the year during the spring freshet. An unnamed access road branching from Carp Road runs along the northwest property boundary. No other features exist on-site or within the study area.

The proposed development is to take place across the entire property. Numerous trees are present on the property; a summary of all trees on-site is provided in Section 3.2 below.

The land use in the vicinity of the site is characterized by commercial, light industrial, mineral extraction, residential and agricultural land uses. Natural features on-site or in the vicinity of the project are summarized in Table 3.1 below.

Table 1.1 Summary of Natural Features Present On-site or Adjacent to Site

Natural Feature	Present On-site or Adjacent
Surface water or wetlands present	Yes
Steep slopes, valleys or escarpments	None
Urban Natural Features or Natural Environment Areas	None
Significant Woodlands	None
Greenspace Linkages	None
High Quality Specimen Trees	None
Rare plant communities or unique environmental features	None
Presence of Species at Risk	Yes
Significant Wildlife Habitat	No

Based on a review of historical air photos, the subject site appears to have been used as an agricultural field since at least 1976 until present day. The surrounding area has been developed commercially and industrially for various businesses since at least 1991. Further, much of the agricultural fields to the south have been abandoned and reclaimed by woodlands since at least 1991. The following alterations were noted during review:

- 1976: The subject property and surrounding lands were primarily populated with agricultural fields, farmhouses, and some fallow fields. The extents of the Carp airport are visible in the northwest corner of the greater study area.
- 1991: Significant development occurred along Carp Road and surrounding land, primarily for commercial and industrial use. Much of the land south of the property had entered a regenerative state with trees colonizing historic agricultural fields. Two large stormwater management ponds had been created south of the site.
- 2008: The northern surrounding area had continued to intensify with more commercial and industrial development. Agricultural land to the southwest continued to be abandoned and reclaimed by woodlands.
- 2021: Land use has not changed significantly. Minimal further industrial development had occurred northwest of the site. The remaining surrounding lands are in present day configuration.

3.2 Tree Inventory Summary

A tree inventory was conducted on September 29, 2022 and confirmed on May 22, 2026. Trees on-site were identified, enumerated and assessed for visual signs of distress and disease. Table B.1 in Appendix B provides a summary of all tree specimens on-site whose DBH was greater than 10 cm. CRZ values for trees with DBH greater than 10 cm are also present in Table B.1 in Appendix B. Critical Root Zones were not calculated for dead trees. The square root of the sum of squares method was used to calculate the DBH of trees with multiple stems. All trees with a DBH greater than 10 cm and their CRZ are illustrated on Figure A.3, in Appendix A. In general, the tree community assemblage can be described as containing a few mature and mostly semi-mature opportunistic trees.

Per the City of Ottawa By-law No. 2009-200, 9 trees on the subject site were identified as a distinctive trees (DBH > 50 cm). Trees # 1, 2, 4, 8, 9, 10, 17, 29, and 32 have a DBH ≥ 50 cm. Distinctive trees 1, 2, 4, 8, 9, 10, and 17 were identified as trembling aspen. Distinctive trees 29 and 32 were identified as white spruce.

None of the trees identified on-site are listed under the provincial Species Conservation Act.

4.0 CONCLUSIONS AND RECOMMENDATIONS

Based on a review of the information summarized in Section 3.2, Table B.1 in Appendix B and the proposed development concept illustrated on Figure A.2, the following conclusions are provided:

- Out of 87 trees identified on-site with a DBH greater or equal to 10 cm, 71 trees were identified as retainable, 13 trees as non-retainable, and 3 were dead;
- Of the 87 trees, 3 trees were identified as dead, 16 trees were identified as poor, 65 trees were identified as good, and 3 trees were identified as healthy;
- 9 trees on the subject site were identified as distinctive, based on the City of Ottawa By-Law No. 2020-340 requirements. Of these 9 distinctive trees, all were identified as retainable;
- One wildlife tree (#39) was identified within the study area; under the current development plan it is non-retainable;
- Trees on-site are mostly trembling aspen with other opportunistic or early successional species; and
- None of the 87 trees present on-site are protected under the Species Conservation Act, Ontario 2007, represent exceptional native tree specimens, or provide any significant conservation value.

4.1 Tree Conservation Recommendations

Opportunities exist primarily along the property boundary to retain existing trees. Given the current development plan, potential planting opportunities are present along the northern, eastern, and southern property boundaries to offset the loss of trees that are non-retainable. In effort to offset the effect of vegetation clearing, consideration should be given to landscape planting with native tree species indicative of the Great Lakes – St. Lawrence Forest Region, such as white cedar, white spruce, red maple and red oak.

4.2 Recommended Mitigation Measures

The following mitigation measures and best practice recommendations are provided by GEMTEC in order to minimize and eliminate negative impacts to trees identified in Appendix B as retainable. Construction contractors shall apply the following measures outlined below to prevent damage to trees identified to be retained in the redevelopment plan for the site;

- All trees identified to be retained should be clearly marked with signage attached that identifies the purpose of the fence and not to move it until construction is complete.
- Tree protection should follow the tree protection specification provided by the City of Ottawa (2019). The Specification is provided in Appendix C.
- If trees to be removed overlap with the CRZ of trees to be retained, cut roots at the edge of the retained CRZ and grind down stumps after tree removal, do not pull out stumps. If

roots must be cut, roots 20 cm or larger should be cut at right angles with clean, sharp, horticultural tools, without tearing, crushing, or pulling;

- Do not place any material or equipment within the CRZ of any tree identified to be retained;
- Do not attach any signs, notices or posters to any tree identified to be retained;
- Do not damage the root system, trunk, or branches or any tree identified to be retained;
- Ensure that exhaust fumes from all equipment are directed away from tree canopy;
- To protect Significant Wildlife Habitat and Habitats of Species at Risk identified on-site, vegetation removal should occur outside of April 1 to September 30 to avoid the key breeding bird period and bat summer active season. The timing window provides protection of migratory birds, roosting bats and avoids contravention of the Migratory Bird Convention Act and Species Conservation Act. If vegetation clearing activities must take place during the aforementioned timing window then a nest and roost survey shall be conducted by a qualified professional

5.0 CLOSURE

This letter and the work referred to within it have been undertaken by GEMTEC Consulting Engineers and Scientists Ltd. (GEMTEC), and was prepared for the Megha Holdings Inc. and is intended for the exclusive use of the Megha Holdings Inc. This report may not be relied upon by any other person or entity without the express written consent of GEMTEC and the Megha Holdings Inc. Nothing in this report is intended to provide a legal opinion.

The investigation undertaken by GEMTEC with respect to this report and any conclusions or recommendations made in this report reflect the best judgements of GEMTEC based on the site conditions observed during the investigations undertaken at the date(s) identified in the report and on the information available at the time the report was prepared.

This letter has been prepared for the application notes and it is based in part, on visual observations made at the site, all as described in the report. Unless otherwise stated, the findings contained in this report cannot be extrapolated or extended to previous or future site conditions or for portions of the site that were unavailable for direct investigation.

Should new information become available during future work, or other studies, GEMTEC should be requested to review the information and, if necessary, re-assess the conclusions present herein.

We trust this report provides sufficient information for your present purposes. If you have any questions concerning this report, please do not hesitate to contact our office.

Sincerely,



Emily Pentz, B.Sc.
Junior Biologist

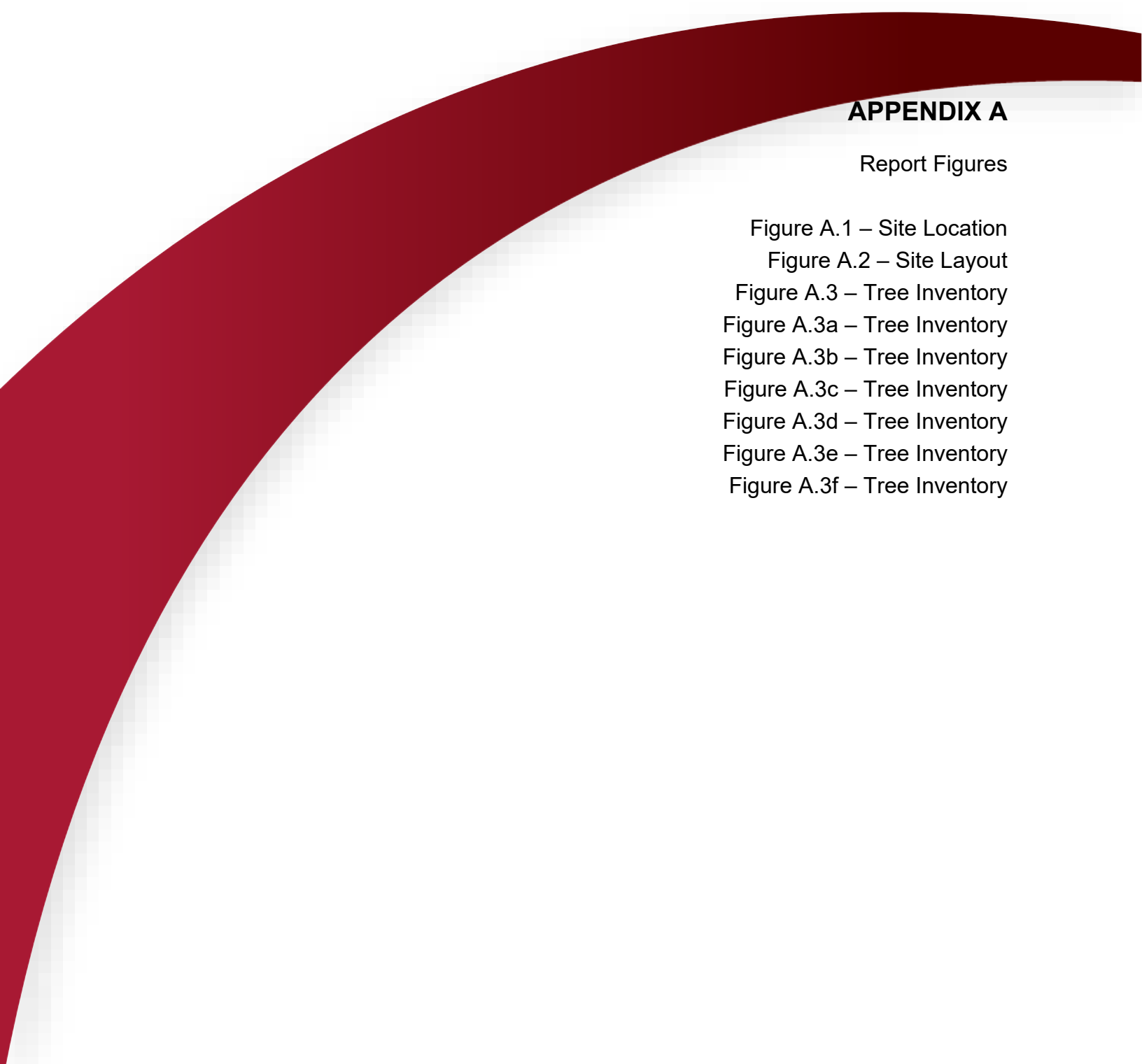


Drew Paulusse, B.Sc.
Senior Biologist

6.0 REFERENCES

Ottawa, City of (Ottawa). 2022. City of Ottawa Official Plan. November.

Ottawa, City of (Ottawa), By-law No. 2009-200, *Tree Conservation – Urban* (Updated June 2018).



APPENDIX A

Report Figures

Figure A.1 – Site Location

Figure A.2 – Site Layout

Figure A.3 – Tree Inventory

Figure A.3a – Tree Inventory

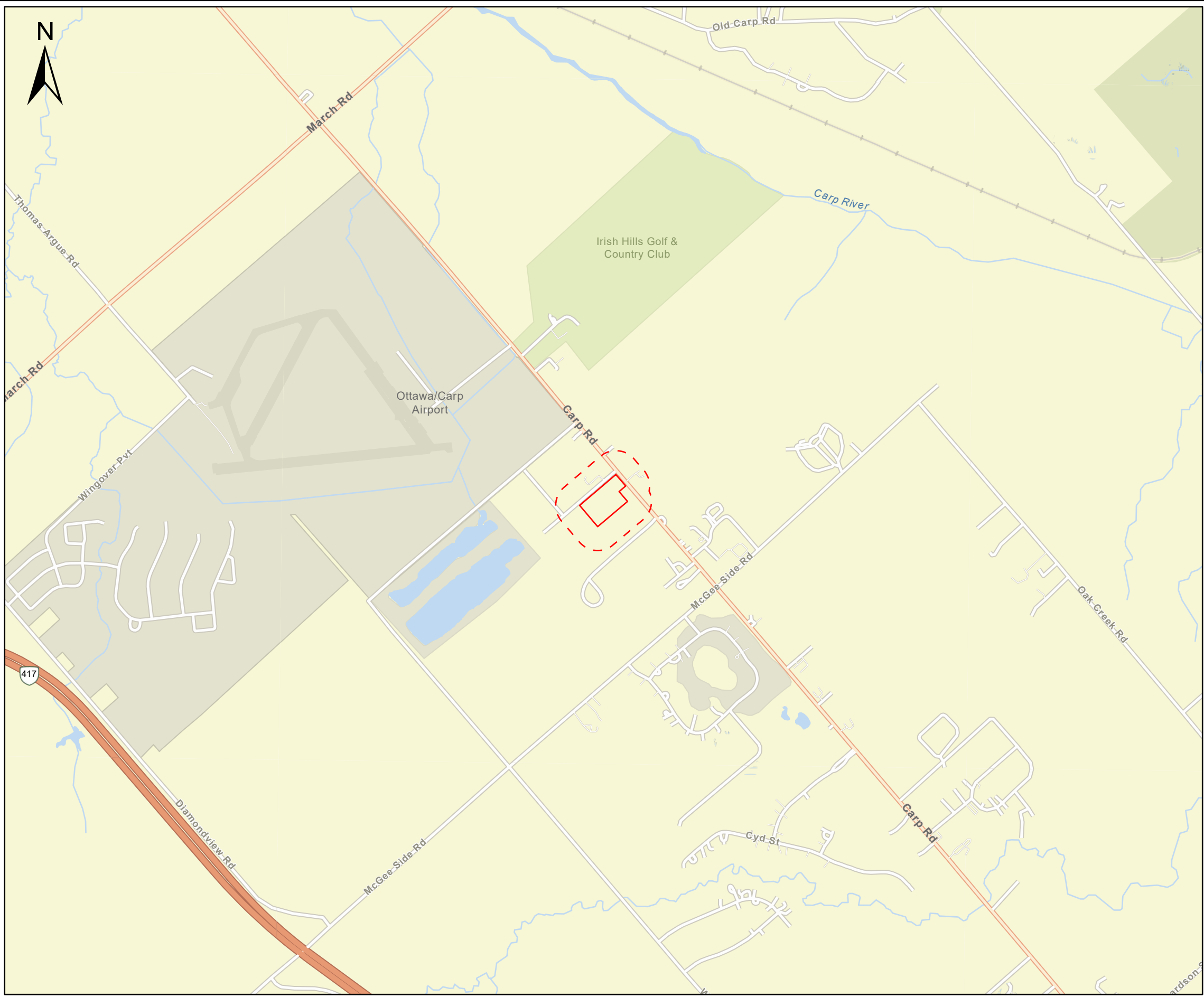
Figure A.3b – Tree Inventory

Figure A.3c – Tree Inventory

Figure A.3d – Tree Inventory

Figure A.3e – Tree Inventory

Figure A.3f – Tree Inventory



Legend

Property Boundary

Study Area

Inset Map

Scale

1:20,000

Meters

0 200 400 800 1,200



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Location							
3113 Carp Road Ottawa, Ontario							
Drwn By:		Chkd By:		Site Location			
EP		TW					
Date: July 2026						Rev.	
© Queen's Printer for Ontario						0	
Figure: A.1							

Coordinate System: NAD 1983 UTM Zone 18N
Service Layer Credits: World Street Map: Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community
World Topographic Map: Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community



Legend

- Property Boundary
- Study Area
- Watercourse (GEMTEC, 2026)
- Development Concept

Scale

1:2,000

02550100150

Meters

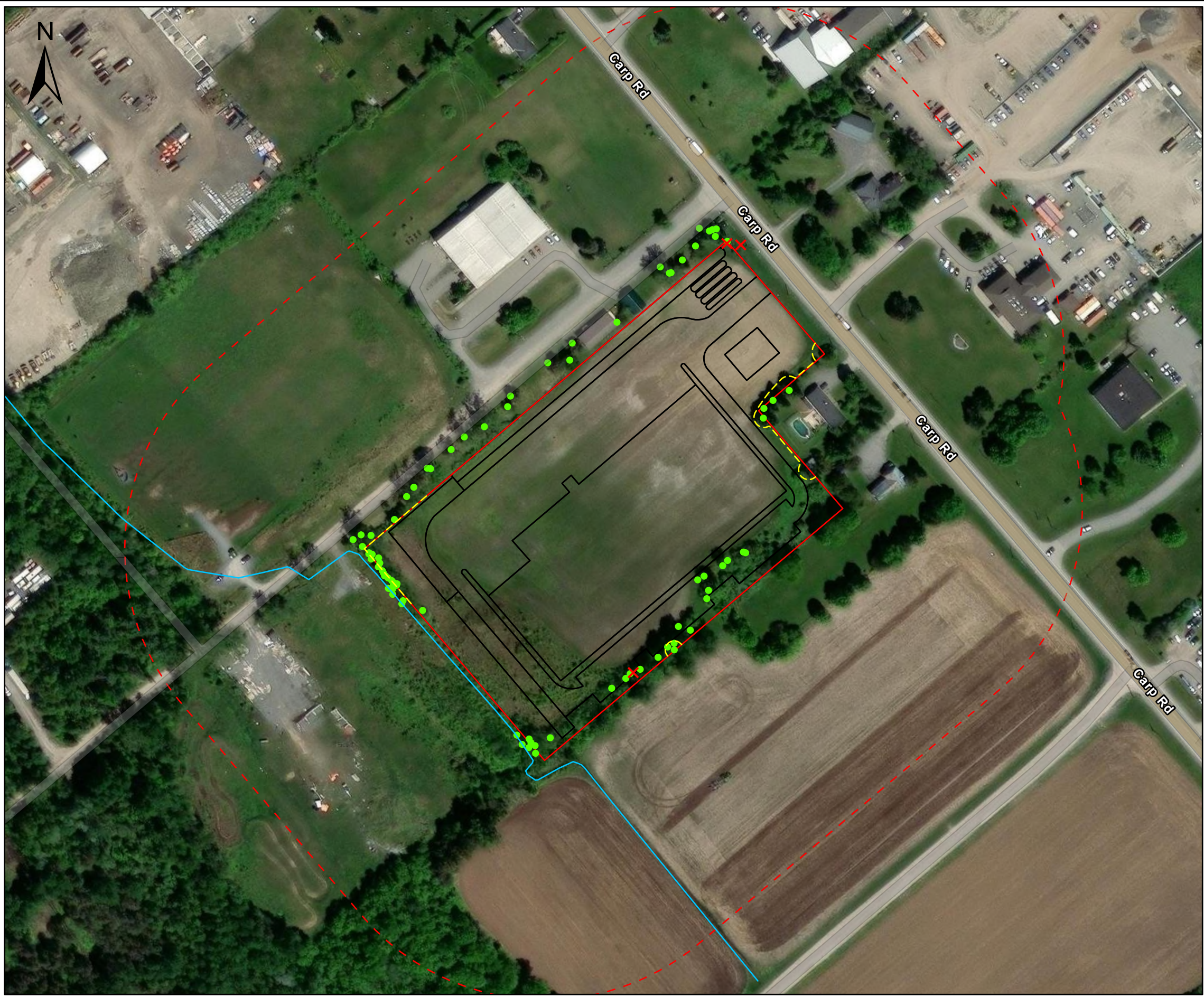


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World Hillshade: Esri, NASA, NGA, USGS



Legend

Property Boundary

Study Area

Watercourse (GEMTEC, 2026)

Development Concept

Tree with DBH Greater than 10cm

Alive

Dead

Tree Protection Fencing

Scale

1:2,000

0

25

50

100

150

Meters

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Tree Inventory

Date: August 2026

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0

Figure: A.3

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World Hillshade: Esri, NASA, NGA, USGS



Legend

Property Boundary

Study Area

Retainable

Non-Retainable

Dead

Development Concept

Tree Protection Fencing

Tree Number (Critical Root Zone [cm])

Retainable

Non-Retainable

Dead

Inset Map

0.0008 - 0.16 Kilometers

Scale

1:400

0 5 10 20 Meters

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Drwn By:

EP

Chkd By:

TW

Tree Inventory

Date: August 2026

Rev.

0

Figure: A.3a

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Coordinate System: NAD 1983 UTM Zone 18N
Service Layer Credits: World Imagery: Vantor
World Imagery: Microsoft, Vantor



Legend

Property Boundary

Study Area

Retainable

Non-Retainable

×

Dead

Development Concept

Tree Protection Fencing

Tree Number (Critical Root Zone [cm])

1(660)	2(650)	3(130)	4(840)	5(350)	6(420)	7(440)	8(700)
86(230)	85(200)	83(110)	82(130)	84(120)	81(290)	79(130)	78(200)
77(130)	76(330)	75(230)	74(190)	73(160)	72(140)	67(230)	66(150)
64(140)	69(210)	71(200)	68(200)	63(230)	62(400)	61(250)	60(290)

Inset Map

Scale

1:400

Meters

051020

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Drwn By: EP		Chkd By: TW		Tree Inventory			
Date: August 2026				Rev. 0		Figure: A.3b	
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Coordinate System: NAD 1983 UTM Zone 18N
Service Layer Credits: World Imagery: Vantor
World Imagery: Microsoft, Vantor



Legend

Property Boundary

Study Area

Retainable

Non-Retainable

Dead

Development Concept

Tree Protection Fencing

Tree Number (Critical Root Zone [cm])

Retainable

Non-Retainable

Dead

Inset Map

Scale

1:400

Meters

051020

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3113 Carp Road Ottawa, Ontario			
Drwn By:	Chkd By:	Tree Inventory	
EP	TW		
Date: August 2026		Rev.	Figure: A.3c
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Coordinate System: NAD 1983 UTM Zone 18N
Service Layer Credits: World Imagery: Vantor
World Imagery: Microsoft, Vantor



Legend

Property Boundary

Study Area

Retainable

Non-Retainable

Dead

Development Concept

Tree Protection Fencing

Tree Number (Critical Root Zone [cm])

34(170)	33(220)
35(220)	36(260)
37(400)	38(100)
40(350)	39(350)
42(100)	41(150)
44(280)	43(450)
45(170)	46(340)
47(330)	48
49(180)	50(160)
51(170)	

Inset Map

Scale

1:400

0 5 10 20 Meters

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Location 3113 Carp Road Ottawa, Ontario							
Drwn By: EP		Chkd By: TW		Tree Inventory			
Date: August 2026				Rev. 0		Figure: A.3d	
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Coordinate System: NAD 1983 UTM Zone 18N
Service Layer Credits: World Imagery: Vantor
World Imagery: Microsoft, Vantor



Legend

Property Boundary

Study Area

Retainable

Non-Retainable

Dead

Development Concept

Tree Protection Fencing

Tree Number (Critical Root Zone [cm])

Retainable

Non-Retainable

Dead

Inset Map

0.00 0.08 0.16 Kilometers

Scale

1:400

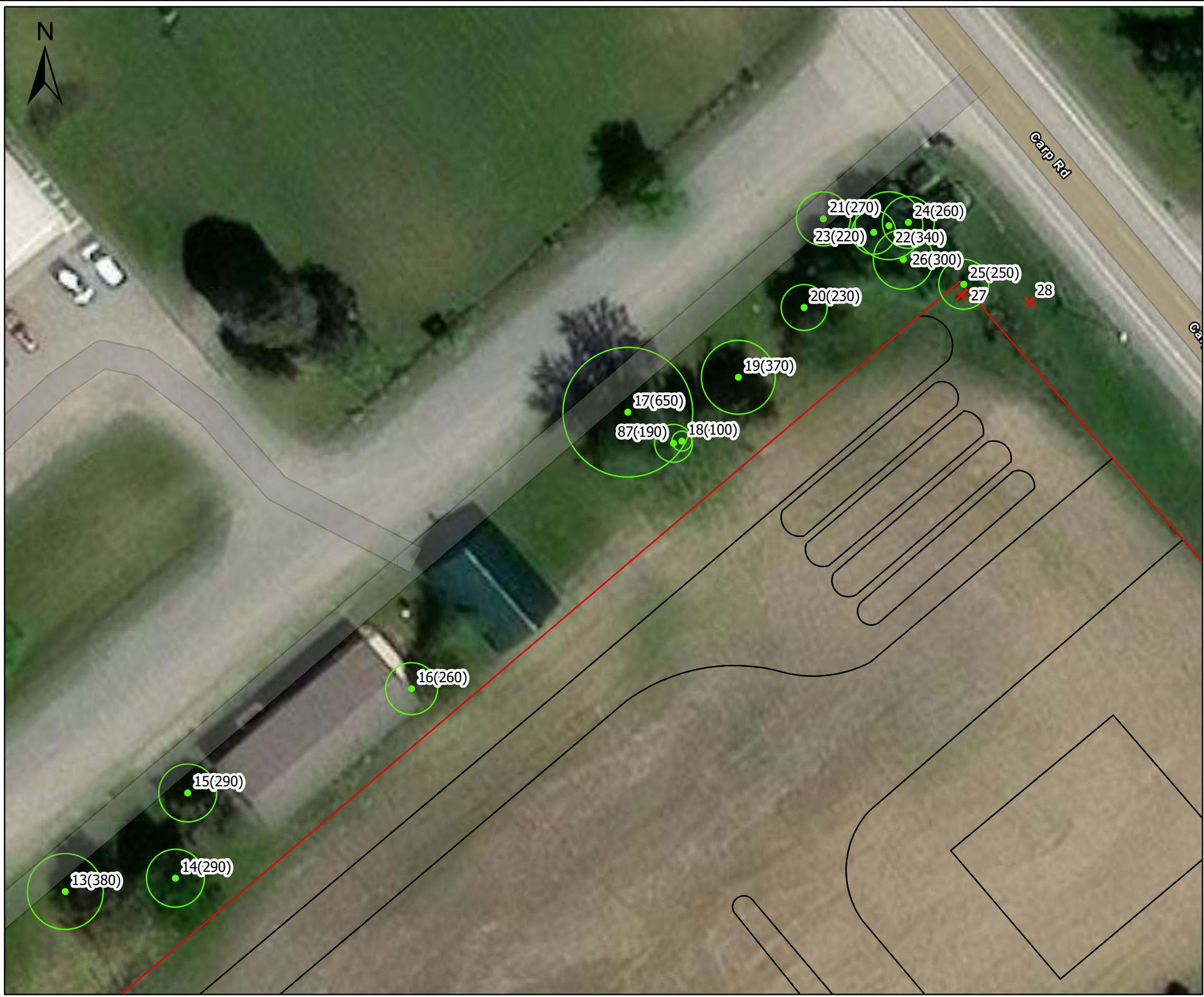
0 5 10 20 Meters



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EP	TW		
Date: August 2026		Rev.	
© Queen's Printer for Ontario		0	Figure: A.3e



Legend

Property Boundary

Study Area

Retainable

Non-Retainable

Dead

Development Concept

Tree Protection Fencing

Tree Number (Critical Root Zone [cm])

21(270)	24(260)
23(220)	22(340)
26(300)	25(250)
20(230)	27
28	
19(370)	
17(650)	
87(190)	18(100)
16(260)	
15(290)	
14(290)	
13(380)	

Inset Map

Scale

1:400

0 5 10 20 Meters

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Location							
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EP		TW					
Date: August 2026				Rev.			
© Queen's Printer for Ontario				0		Figure: A.3f	

Coordinate System: NAD 1983 UTM Zone 18N
Service Layer Credits: World Imagery: Vantor
World Imagery: Microsoft, Vantor



APPENDIX B

Site Photographs



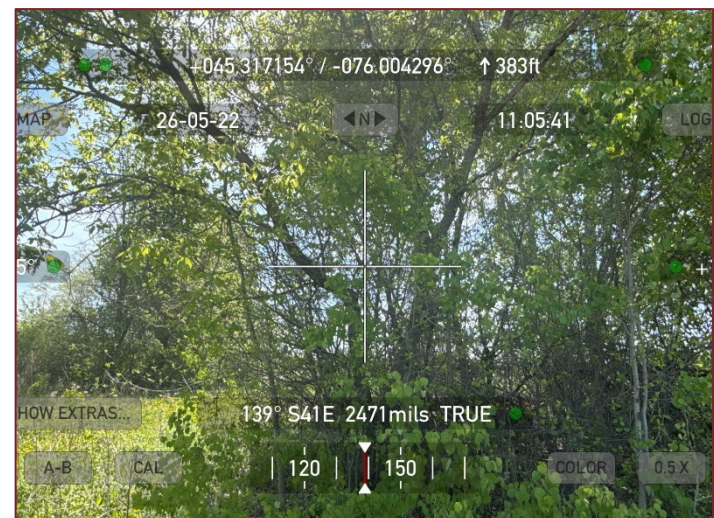
Site Photograph 1: Patch of trees within cultural meadow (CUM).



Site Photograph 2: Patch of trees within CUM.



Site Photograph 3: CUM



Site Photograph 4: Trees along southern property boundary.



Site Photograph 5: Open agriculture (OAG).



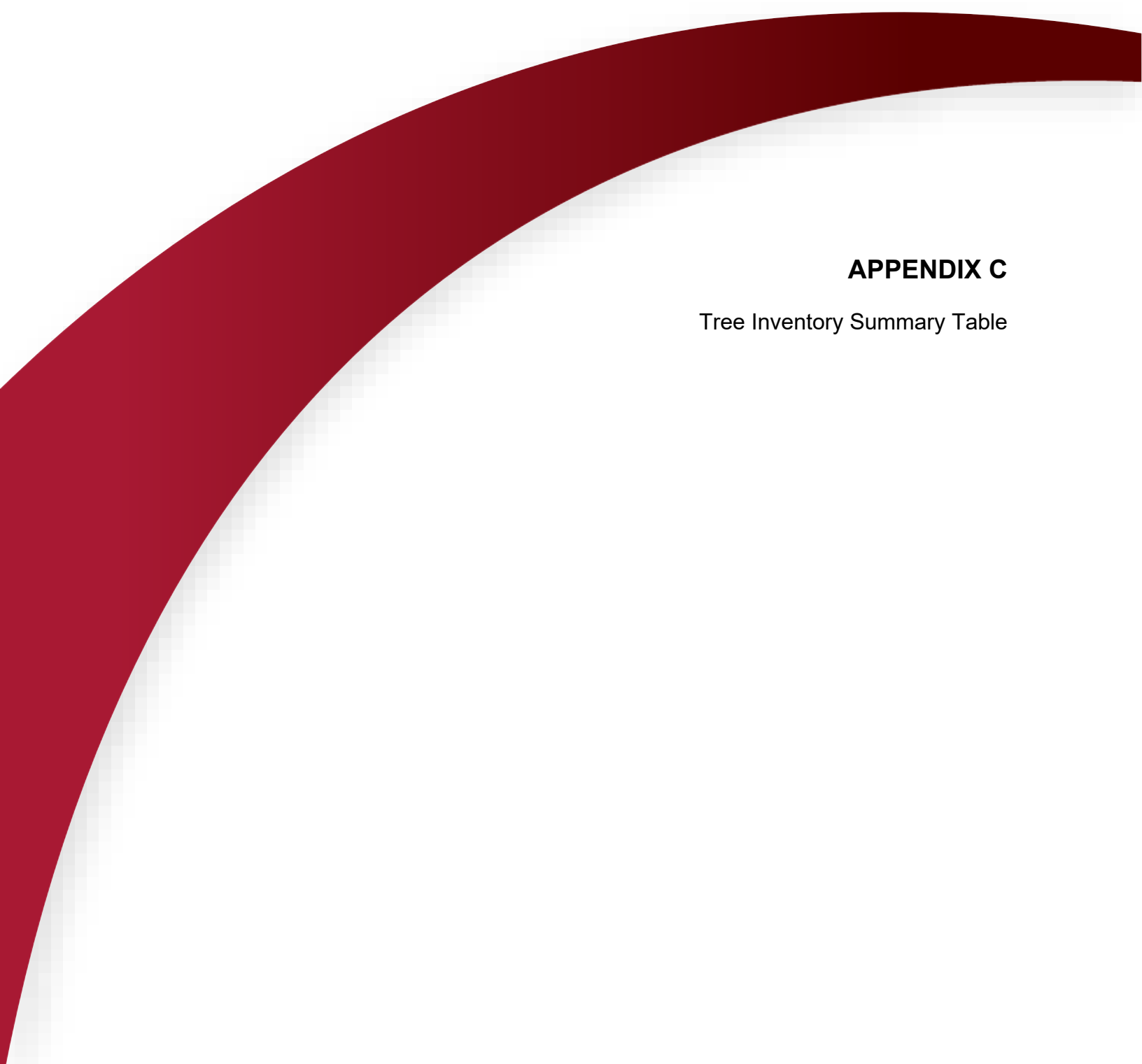
Site Photograph 6: OAG.



Site Photograph 7: Pocket of standing water.



Site Photograph 8: Watercourse



APPENDIX C

Tree Inventory Summary Table

Table B.1
Summary of Tree Inventory Results

Tree Number	Common Name	Scientific Name	Diameter (cm DBH)	Critical Root Zone (cm)	Condition	Retainable or Conflict	Ownership	Dinstinctive Tree (> 50 cm)	Wildlife Tree	X-Coordinate	Y-Coordinate	Removal Justification	Notes
1	Trembling Aspen	<i>Populus tremuloides</i>	66	660	Good	Retainable	3119 Carp Road	Yes	No	-76.00605408	45.31771525	--	
2	Trembling Aspen	<i>Populus tremuloides</i>	65	650	Good	Retainable	3119 Carp Road	Yes	No	-76.00609896	45.31767311	--	
3	White Spruce	<i>Picea glauca</i>	13	130	Healthy	Retainable	3119 Carp Road	No	No	-76.00617502	45.31756889	--	
4	Trembling Aspen	<i>Populus tremuloides</i>	84	840	Good	Retainable	3119 Carp Road	Yes	No	-76.00638692	45.31749777	--	DBHs; stem 1 - 55 cm, stem 2 - 50 cm, stem 3 - 45 cm
5	Trembling Aspen	<i>Populus tremuloides</i>	35	350	Poor	Retainable	3119 Carp Road	No	No	-76.00643772	45.31747596	--	
6	American Elm	<i>Ulmus americana</i>	42	420	Poor	Retainable	3119 Carp Road	No	No	-76.00596957	45.31780191	--	
7	Willow sp.	<i>Salix sp.</i>	44	440	Good	Retainable	3119 Carp Road	No	No	-76.00594823	45.3177998	--	
8	Trembling Aspen	<i>Populus tremuloides</i>	70	700	Good	Retainable	3119 Carp Road	Yes	No	-76.00581851	45.31788774	--	
9	Trembling Aspen	<i>Populus tremuloides</i>	64	640	Poor	Retainable	3119 Carp Road	Yes	No	-76.00573536	45.31794501	--	
10	Trembling Aspen	<i>Populus tremuloides</i>	95	950	Good	Retainable	3119 Carp Road	Yes	No	-76.0056078	45.31799229	--	DBHs; stem 1 - 75 cm, stem 2 - 50 cm, stem 3 - 30 cm
11	White Birch	<i>Betula papyrifera</i>	19	190	Good	Retainable	3119 Carp Road	No	No	-76.00546074	45.31808404	--	DBHs; stem 1 - 11 cm, stem 2 - 11 cm, stem 3 - 11 cm
12	Red Pine	<i>Pinus resinosa</i>	28	280	Good	Retainable	3119 Carp Road	No	No	-76.00544357	45.318132	--	
13	Red Pine	<i>Pinus resinosa</i>	38	380	Good	Retainable	3119 Carp Road	No	No	-76.00520821	45.3182841	--	
14	White Birch	<i>Betula papyrifera</i>	29	290	Good	Retainable	3119 Carp Road	No	No	-76.00506766	45.31829738	--	DBHs; stem 1 - 20 cm, stem 2 - 16 cm, stem 3 - 14 cm
15	Red Pine	<i>Pinus resinosa</i>	29	290	Good	Retainable	3119 Carp Road	No	No	-76.00505338	45.31837437	--	
16	White Birch	<i>Betula papyrifera</i>	26	260	Good	Retainable	3119 Carp Road	No	No	-76.00476895	45.31847098	--	13 cm, stem 3 - 13 cm, stem 4 - 11 cm
17	Trembling Aspen	<i>Populus tremuloides</i>	65	650	Good	Retainable	3119 Carp Road	Yes	No	-76.00449706	45.31872273	--	
18	White Birch	<i>Betula papyrifera</i>	10	100	Good	Retainable	3119 Carp Road	No	No	-76.00442757	45.31869728	--	
19	Black Spruce	<i>Picea mariana</i>	37	370	Good	Retainable	3119 Carp Road	No	No	-76.00435636	45.31875547	--	
20	White Birch	<i>Betula papyrifera</i>	23	230	Poor	Retainable	3119 Carp Road	No	No	-76.00427347	45.31881915	--	10 cm, stem 3 - 10 cm, stem 4 - 10 cm, stem 5 - 10 cm
21	White Spruce	<i>Picea glauca</i>	27	270	Good	Retainable	3119 Carp Road	No	No	-76.00425032	45.31889927	--	
22	White Spruce	<i>Picea glauca</i>	34	340	Good	Retainable	3119 Carp Road	No	No	-76.00416642	45.31889384	--	
23	White Spruce	<i>Picea glauca</i>	22	220	Good	Retainable	3119 Carp Road	No	No	-76.0041857	45.31888772	--	
24	White Spruce	<i>Picea glauca</i>	26	260	Good	Retainable	3119 Carp Road	No	No	-76.00414166	45.31889709	--	
25	White Spruce	<i>Picea glauca</i>	25	250	Good	Retainable	City of Ottawa	No	No	-76.00406987	45.31884186	--	
26	White Spruce	<i>Picea glauca</i>	30	300	Good	Retainable	3119 Carp Road	No	No	-76.00414757	45.3188636	--	
27	American Elm	<i>Ulmus americana</i>	14	140	Dead	Dead	3113 Carp Road	No	No	-76.00407288	45.31883199	Dead tree	
28	American Elm	<i>Ulmus americana</i>	27	270	Dead	Dead	City of Ottawa	No	No	-76.00398483	45.31882654	Dead tree	
29	White Spruce	<i>Picea glauca</i>	50	500	Good	Retainable	3107 Carp Road	Yes	No	-76.00371807	45.31821153	--	
30	White Spruce	<i>Picea glauca</i>	45	450	Good	Retainable	3107 Carp Road	No	No	-76.00378901	45.31814832	--	
31	White Spruce	<i>Picea glauca</i>	30	300	Good	Retainable	3107 Carp Road	No	No	-76.00384645	45.31811178	--	
32	White Spruce	<i>Picea glauca</i>	60	600	Good	Retainable	3113 Carp Road	Yes	No	-76.00385535	45.31805324	--	
33	Common Buckthorn	<i>Rhamnus cathartica</i>	22	220	Poor	Non-Retainable	3113 Carp Road	No	No	-76.00392849	45.31743863	Tree clearing required for parking lot	11 cm, stem 3 - 10 cm, stem 4 - 10 cm
34	Common Buckthorn	<i>Rhamnus cathartica</i>	17	170	Poor	Non-Retainable	3113 Carp Road	No	No	-76.00394298	45.31744167	Tree clearing required for parking lot	DBHs; stem 1 - 10 cm, stem 2 - 10 cm, stem 3 - 10 cm
35	Common Buckthorn	<i>Rhamnus cathartica</i>	22	220	Good	Non-Retainable	3113 Carp Road	No	No	-76.00404362	45.31740283	Tree clearing required for parking lot	11 cm, stem 3 - 10 cm, stem 4 - 10 cm
36	American Elm	<i>Ulmus americana</i>	26	260	Poor	Non-Retainable	3113 Carp Road	No	No	-76.00407413	45.31737905	Tree clearing required for parking lot	
37	Norway Spruce	<i>Picea abies</i>	40	400	Healthy	Non-Retainable	3113 Carp Road	No	No	-76.00419215	45.31733089	Tree clearing required for parking lot	
38	Manitoba Maple	<i>Acer negundo</i>	10	100	Poor	Non-Retainable	3113 Carp Road	No	No	-76.0042326	45.31731367	Tree clearing required for parking lot	
39	Crabapple sp.	<i>Malus sp.</i>	35	350	Poor	Non-Retainable	3113 Carp Road	No	Yes	-76.00417319	45.31722966	Tree clearing required for parking lot	
40	Manitoba Maple	<i>Acer negundo</i>	35	350	Good	Non-Retainable	3113 Carp Road	No	No	-76.00416272	45.31726685	Tree clearing required for parking lot	DBHs; stem 1 - 23 cm, stem 2 - 20 cm, stem 3 - 17 cm
41	Manitoba Maple	<i>Acer negundo</i>	15	150	Good	Retainable	3113 Carp Road	No	No	-76.0042755	45.31708643	--	
42	Manitoba Maple	<i>Acer negundo</i>	10	100	Good	Non-Retainable	3113 Carp Road	No	No	-76.00435225	45.31710254	Tree clearing required for parking lot	
43	Trembling Aspen	<i>Populus tremuloides</i>	45	450	Healthy	Retainable	3113 Carp Road	No	No	-76.00437686	45.31699678	--	

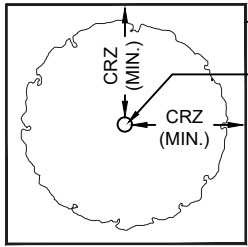
Table B.1
Summary of Tree Inventory Results

Tree Number	Common Name	Scientific Name	Diameter (cm DBH)	Critical Root Zone (cm)	Condition	Retainable or Conflict	Ownership	Dinstinctive Tree (> 50 cm)	Wildlife Tree	X-Coordinate	Y-Coordinate	Removal Justification	Notes
44	Trembling Aspen	<i>Populus tremuloides</i>	28	280	Good	Retainable	3113 Carp Road	No	No	-76.0043782	45.31702639	--	
45	Trembling Aspen	<i>Populus tremuloides</i>	17	170	Good	Retainable	3113 Carp Road	No	No	-76.00441975	45.31700925	--	
46	Trembling Aspen	<i>Populus tremuloides</i>	34	340	Good	Retainable	3113 Carp Road	No	No	-76.00447959	45.31696213	--	
47	Trembling Aspen	<i>Populus tremuloides</i>	33	330	Good	Non-Retainable	3113 Carp Road	No	No	-76.00459276	45.31690725	Tree clearing required for parking lot	
48	Trembling Aspen	<i>Populus tremuloides</i>	20	200	Dead	Dead	3113 Carp Road	No	No	-76.00463721	45.31689185	Dead tree	
49	American Elm	<i>Ulmus americana</i>	18	180	Poor	Non-Retainable	3113 Carp Road	No	No	-76.00465658	45.31688696	Tree clearing required for parking lot	
50	American Elm	<i>Ulmus americana</i>	16	160	Poor	Non-Retainable	3113 Carp Road	No	No	-76.0046843	45.3168654	Tree clearing required for parking lot	
51	American Elm	<i>Ulmus americana</i>	17	170	Poor	Non-Retainable	3113 Carp Road	No	No	-76.00477358	45.31682018	Tree clearing required for parking lot	
52	Common Buckthorn	<i>Rhamnus cathartica</i>	13	130	Poor	Retainable	3113 Carp Road	No	No	-76.00516204	45.31659325	--	
53	American Elm	<i>Ulmus americana</i>	10	100	Poor	Retainable	3113 Carp Road	No	No	-76.00529718	45.31658666	--	
54	Trembling Aspen	<i>Populus tremuloides</i>	13	130	Good	Retainable	3113 Carp Road	No	No	-76.00528512	45.3165703	--	
55	Trembling Aspen	<i>Populus tremuloides</i>	15	150	Good	Retainable	3119 Carp Road	No	No	-76.00529868	45.31654789	--	
56	Trembling Aspen	<i>Populus tremuloides</i>	14	140	Good	Retainable	3113 Carp Road	No	No	-76.0052584	45.31655699	--	
57	White Ash	<i>Fraxinus americana</i>	12	120	Poor	Retainable	3119 Carp Road	No	No	-76.00525472	45.31652263	--	
58	Trembling Aspen	<i>Populus tremuloides</i>	16	160	Poor	Retainable	3119 Carp Road	No	No	-76.00534129	45.31656189	--	
59	Trembling Aspen	<i>Populus tremuloides</i>	14	140	Good	Retainable	3119 Carp Road	No	No	-76.00537555	45.31660336	--	
60	Willow sp.	<i>Salix sp.</i>	29	290	Good	Retainable	3113 Carp Road	No	No	-76.00598753	45.3171604	--	DBHs; stem 1 - 20 cm, stem 2 - 16 cm, stem 3 - 13 cm
61	Trembling Aspen	<i>Populus tremuloides</i>	25	250	Good	Retainable	3119 Carp Road	No	No	-76.0061211	45.31718898	--	
62	Trembling Aspen	<i>Populus tremuloides</i>	40	400	Good	Retainable	3119 Carp Road	No	No	-76.0061136	45.31720326	--	DBHs; stem 1 - 27 cm, stem 2 - 26 cm, stem 3 - 13 cm
63	Trembling Aspen	<i>Populus tremuloides</i>	23	230	Good	Retainable	3119 Carp Road	No	No	-76.00617984	45.31723103	--	
64	Trembling Aspen	<i>Populus tremuloides</i>	14	140	Good	Retainable	3119 Carp Road	No	No	-76.00620797	45.31725801	--	
65	Trembling Aspen	<i>Populus tremuloides</i>	10	100	Good	Retainable	3119 Carp Road	No	No	-76.00618124	45.31725516	--	
66	Trembling Aspen	<i>Populus tremuloides</i>	15	150	Good	Retainable	3113 Carp Road	No	No	-76.00615595	45.31727249	--	
67	Trembling Aspen	<i>Populus tremuloides</i>	23	230	Good	Retainable	3113 Carp Road	No	No	-76.00617254	45.31728345	--	
68	Trembling Aspen	<i>Populus tremuloides</i>	20	200	Good	Retainable	3119 Carp Road	No	No	-76.00618824	45.31725464	--	
69	Trembling Aspen	<i>Populus tremuloides</i>	21	210	Good	Retainable	3119 Carp Road	No	No	-76.00617627	45.31727293	--	
70	Trembling Aspen	<i>Populus tremuloides</i>	19	190	Good	Retainable	3113 Carp Road	No	No	-76.00615353	45.31727912	--	
71	Trembling Aspen	<i>Populus tremuloides</i>	20	200	Good	Retainable	3119 Carp Road	No	No	-76.00616096	45.31727611	--	
72	Trembling Aspen	<i>Populus tremuloides</i>	14	140	Good	Retainable	3113 Carp Road	No	No	-76.00618774	45.31729338	--	
73	Trembling Aspen	<i>Populus tremuloides</i>	16	160	Good	Retainable	3119 Carp Road	No	No	-76.00621171	45.31730496	--	
74	Trembling Aspen	<i>Populus tremuloides</i>	19	190	Good	Retainable	3119 Carp Road	No	No	-76.00622868	45.31731467	--	
75	Trembling Aspen	<i>Populus tremuloides</i>	23	230	Good	Retainable	3119 Carp Road	No	No	-76.00623396	45.31731427	--	
76	Trembling Aspen	<i>Populus tremuloides</i>	33	330	Good	Retainable	3119 Carp Road	No	No	-76.00624073	45.31732671	--	
77	Trembling Aspen	<i>Populus tremuloides</i>	13	130	Good	Retainable	3119 Carp Road	No	No	-76.0062482	45.31733723	--	
78	Trembling Aspen	<i>Populus tremuloides</i>	20	200	Good	Retainable	3119 Carp Road	No	No	-76.00627404	45.31735439	--	
79	Trembling Aspen	<i>Populus tremuloides</i>	13	130	Good	Retainable	3113 Carp Road	No	No	-76.00626518	45.31737136	--	
80	Trembling Aspen	<i>Populus tremuloides</i>	20	200	Good	Retainable	3119 Carp Road	No	No	-76.006321	45.31738931	--	
81	Trembling Aspen	<i>Populus tremuloides</i>	29	290	Good	Retainable	3113 Carp Road	No	No	-76.0062733	45.31739482	--	
82	Trembling Aspen	<i>Populus tremuloides</i>	13	130	Good	Retainable	3113 Carp Road	No	No	-76.00631464	45.31741083	--	
83	White Ash	<i>Fraxinus americana</i>	11	110	Good	Retainable	3113 Carp Road	No	No	-76.00633596	45.31741246	--	
84	Trembling Aspen	<i>Populus tremuloides</i>	12	120	Good	Retainable	3113 Carp Road	No	No	-76.0063343	45.31741745	--	
85	Trembling Aspen	<i>Populus tremuloides</i>	20	200	Good	Retainable	3119 Carp Road	No	No	-76.00637725	45.31744535	--	
86	Trembling Aspen	<i>Populus tremuloides</i>	23	230	Good	Retainable	3119 Carp Road	No	No	-76.00632352	45.31749563	--	
87	Trembling Aspen	<i>Populus tremuloides</i>	19	190	Good	Retainable	3119 Carp Road	No	No	-76.00443818	45.31869519	--	



APPENDIX D

City of Ottawa Tree Protection Specification



PLAN VIEW

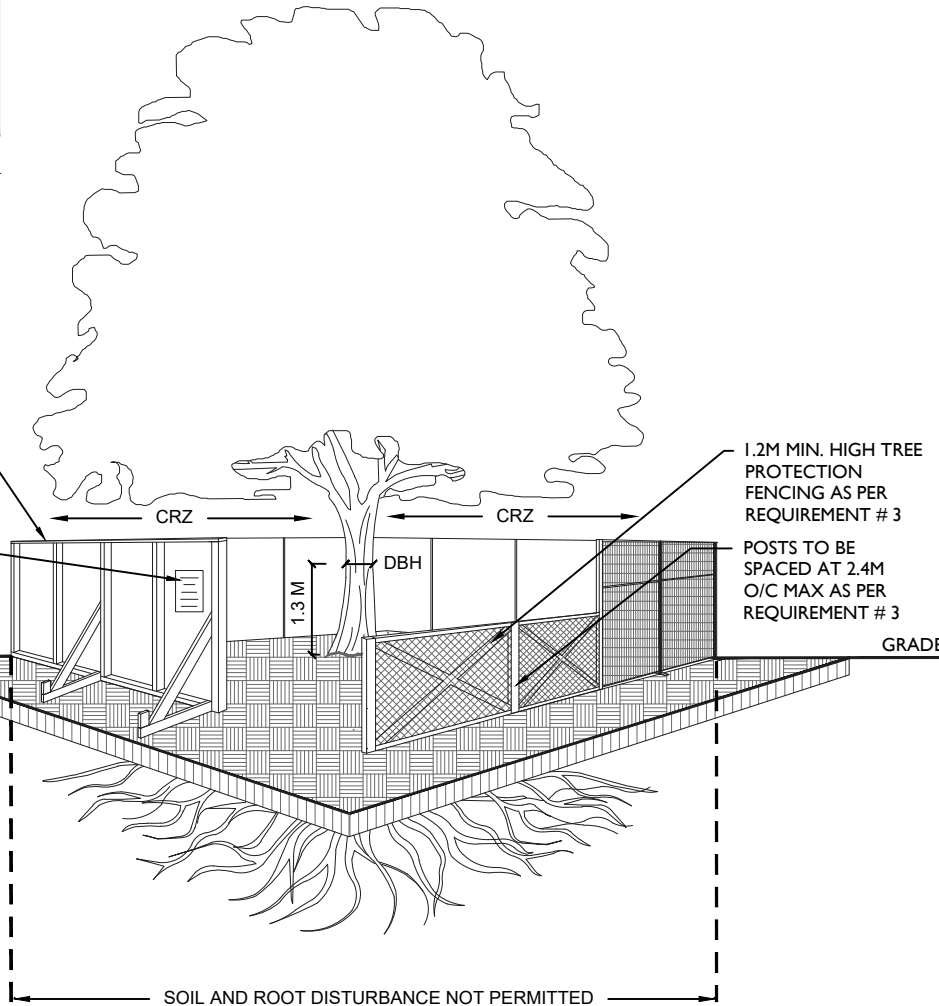
TREE PROTECTION
FENCING

TREE TRUNK

CRZ = DBH X 10CM.
CRZ IS TO BE
MEASURED FROM THE
OUTSIDE EDGE OF
THE TREE BASE

TREE PROTECTION
SIGNAGE AS PER
CITY STANDARD

GRADE



SOIL AND ROOT DISTURBANCE NOT PERMITTED

ACCESSIBLE FORMATS AND COMMUNICATION
SUPPORTS ARE AVAILABLE, UPON REQUEST

TREE PROTECTION REQUIREMENTS:

1. PRIOR TO ANY WORK ACTIVITY WITHIN THE CRITICAL ROOT ZONE (CRZ = 10 X DIAMETER) OF A TREE, TREE PROTECTION FENCING MUST BE INSTALLED SURROUNDING THE CRITICAL ROOT ZONE, AND REMAIN IN PLACE UNTIL THE WORK IS COMPLETE.
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 OR ANY TREE;
 - 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 DETERMINED BY AN ARBORIST AND DETAILED ON ANY ASSOCIATED PLANS FOR THE SITE (E.G. TREE CONSERVATION REPORT, TREE INFORMATION REPORT, ETC). THE PLAN AND CONSTRUCTED FENCING MUST BE APPROVED BY CITY FORESTRY STAFF PRIOR TO THE 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.



TREE PROTECTION SPECIFICATION

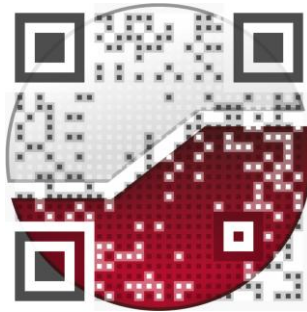
TO BE IMPLEMENTED FOR RETAINED TREES, BOTH ON SITE AND ON ADJACENT SITES, PRIOR TO ANY TREE REMOVAL OR SITE WORKS AND MAINTAINED FOR THE DURATION OF WORK ACTIVITIES ON SITE.

SCALE: NTS

DATE: MARCH 2021

DRAWING NO.: 1 of 1

experience • knowledge • integrity



civil
geotechnical
environmental
field services
materials testing

civil
géotechnique
environnementale
surveillance de chantier
service de laboratoire des matériaux

expérience • connaissance • intégrité

