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**Tree Conservation Report
Proposed Re-Zoning Application
2545 9th Line Road
Ottawa, Ontario**



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Submitted to:

ASB Greenworld Ltd.
332911 Plank Line Road
Mount Elgin, Ontario
N0J 1N0

**Tree Conservation Report
Proposed Re-Zoning Application
2545 9th Line Road
Ottawa, Ontario**

December 12, 2022
Project: 100227.087

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1.0 INTRODUCTION

GEMTEC Consulting Engineers and Scientists Limited (GEMTEC) was retained by ASB Greenworld Ltd. to carry out a Tree Conservation Report (TCR) for the property located at 2545 9th Line Road, 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 a zoning amendment for the property located at 2545 9th Line Road, in Ottawa, Ontario. The property has an approximate size of 14.3-hectares (ha). The proposed site development will be carried out in phases. This report is intended to address Phase 1 of the proposed development. As a part of Phase 1, the proponents are re-using the existing buildings for a new soil mixing and packaging business, with no new developments, buildings or site alterations proposed at this time.

As a component of the zoning amendment application, the City of Ottawa is requesting a TCR for the collective property. In accordance with the City of Ottawa’s Tree Protection (By-law No. 2020-340) a 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 existing site layout 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, 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 suburban boundary.

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 2022 to identify natural features, including historical trees, present on-site and in the vicinity of the site.

Based on a review of historical air photos, the site and surrounding area has not undergone any significant change since at least 1976. Development on-site has been present since 1976, with the site at present day configuration since 2005. No alterations to land use were noted during review.

2.2 Field Investigations

In addition to the completion of a desktop review of historical air photos, a site visit was conducted on November 4, 2022, from 12:00 to 3:45, to document and identify all trees on-site with a DBH greater than 10 cm. The site investigation 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.

To determine the presence or absence of species at risk on-site and adjacent to site, butternut were searched for during the transect surveys.

Site conditions during the site investigation were as follows: 19°C, 10% cloud cover, Beaufort 3 and no precipitation.

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

3.0 RESULTS

3.1 Existing Conditions

Development on-site currently consists of a mushroom pasteurization facility, a doughnut factory, an office building, a warehouse, and storage bunkers. Other existing features on the property include two agricultural fields, road access to 9th Line Road, existing driveways for site access, and paved areas for parking. Existing development, including the existing structures and associated parking areas, occupies a combined approximate area of 6.7 ha. Impermeable surfaces account for 47% of the total property area.

Outside of the existing development, the subject site consists of cultural meadow, deciduous forest, regenerative thicket, ponds and active agricultural fields. Numerous trees are present on the property, primarily along the property lines, 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 agriculture and residential land uses. Natural environmental features in the vicinity of the project, as summarized in Table 3.1 below, include surface water features. Surface water features on-site include the stormwater ponds, mapped local, unevaluated wetland, and an unnamed watercourse.

Based on NHIC observation data, the following Species at Risk (SAR) have been observed within 1 km of the subject property: snapping turtle (reptilian SAR) and butternut (tree SAR). No SAR species were identified on-site or in the area immediately adjacent to the property during the site investigation. Furthermore, the site also lacks specific habitats to support snapping turtle. Butternut trees were specifically targeted for presence/absence during the survey, no butternut were observed on-site or within the study area.

There are no other natural environmental features in the vicinity of the project, as summarized in Table 3.1 below.

Table 3.1 Summary of Natural Features Present On-site or Adjacent to Site

Natural Feature	Present On-site or Adjacent
Surface water or wetlands present	Present
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	No Suitable Habitat On-site or within the Study Area
Significant Wildlife Habitat	Present – On-site ponds may support amphibian breeding SWH

3.2 Tree Inventory Summary

A tree inventory was conducted on November 4, 2022. Trees on-site were identified, enumerated and assessed for visual signs of distress and disease. Table C.1 in Appendix C 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 C.1 in Appendix C. CRZ 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.

Per the City of Ottawa’s Tree Protection (By-law No. 2020-340), 8 (eight) trees on the subject site, were identified as a distinctive tree (DBH > 50 cm). Table 3.2 below details the results. For the

purpose of this report, dead standing trees were not included in the distinctive tree list, even if the DBH was greater than 50 cm.

Table 3.2 Summary of Distinctive Trees Present On-Site or Adjacent

Tree #	Species	DBH (cm)	Condition
1	Manitoba Maple	56	Healthy
5	Manitoba Maple	58	Healthy
8	American Elm	51	Healthy
24	Manitoba Maple	52	Healthy
40	Manitoba Maple	57	Healthy
51	Manitoba Maple	58	Healthy
74	Manitoba Maple	61	Poor
94	Sugar Maple	100	Healthy

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

In general, the tree community assemblage can be described as containing a few mature and semi-mature trees. Dominant tree species on-site were represented by Manitoba maple (*Acer negundo*) in areas of disturbance and sugar maple (*Acer saccharum*) in more naturalized tree stands. Most of the observed white ash identified on-site were of poor health or dead, likely due to the presence of emerald ash borer. Many of the white ash were observed to have epicormic shoots (young shoots growing from near the base of the tree) indicative of stress and poor health conditions. The majority of other tree species were observed to be in good or healthy conditions.

4.0 CONCLUSIONS AND RECOMMENDATIONS

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

- Out of 96 trees identified on-site with a DBH greater or equal to 10 cm, all trees were identified as retainable;
- 8 distinctive trees, meeting the City of Ottawa’s Tree Protection (By-law No. 2020-340), requirements of DBH > 50 cm, were identified on-site;
- Trees on-site are of a typical upland or early successional species;
- 88 trees are in good/healthy condition and 8 trees are in poor or dead condition;
- 14 of the trees present on-site was observed to provide potential wildlife habitat (snag, active nest);
- No Butternut trees were identified on-site or in the area immediately adjacent to site;

- None of the 96 trees present on-site are protected under the Endangered Species Act, Ontario 2007;
- None of the trees on-site were identified to represent High Quality Specimen Tree; and
- All trees identified to be retained will have their existing elevations around the critical root zone maintained;

4.1 Tree Conservation Recommendations

As discussed above, none of the trees on-site represent exceptional tree specimens, rare communities, nor do they provide any conservation value or great ecological benefit. Based on the proposed Phase 1 plan it is assumed that all of the trees on the subject property are retainable. Future development plans should give consideration to maintaining the distinctive trees identified in this report, in addition to other healthier more mature trees.

Future development that requires vegetation clearing should be offset through landscape planting. 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 C as retainable during potential future construction. 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 and the CRZ delineated with fencing to prevent encroachment and damage during construction. General prohibitions of activities within the fencing include:
 - No placement of construction material (including fill and equipment);
 - No construction activities (i.e. grading, machine operation, etc.) to avoid soil compaction and direct injury to the tree or its root system; and
 - No refueling or disposal of liquids.
 - Do not attach any signs, notices or posters to any tree identified to be retained;
- Tree protection should follow the tree protection specification provided by the City of Ottawa (2019). The Specification is provided in Appendix D;
- As per the City of Ottawa's Tree Protection (By-law No. 2020-340), a tree compensation plan may be brought forth by the City of Ottawa, by means of offsetting overall tree and vegetation removal;
- If existing pavement surface around trees to be retained is going to be removed than temporary fencing should be installed to delineate the CRZ of each tree;

- 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;
- All tree service activities (i.e. removal, branch / root pruning, etc.) will be completed by or under the direction of an ISA certified arborist;
- 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; and
- For the protection of migratory birds and SAR bat species, tree removal shall occur outside of March 15 – November 30 of any given year, to avoid the key breeding bird period as identified by Environment Canada and the bat active season as identified by the Ministry of Environment, Conservation and Parks (MECP). Adhering to the timing window will also avoid contravention of the Migratory Bird Convention Act and the Endangered Species Act. If vegetation clearing activities must take place outside of 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 ASB Greenworld Ltd. and is intended for the exclusive use of ASB Greenworld Ltd.. This report may not be relied upon by any other person or entity without the express written consent of GEMTEC and ASB Greenworld Ltd.. 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 states, the findings contained in this report cannot be extrapolates 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 Young, B.Sc.
Junior Biologist



Taylor Warrington, B.Sc.
Biologist

6.0 REFERENCES

Ontario Ministry of Natural Resources and Forestry (OMNRF). 2019. Natural Heritage Information Centre. Make a Map: Natural Heritage Areas.

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

Ottawa, City of (Ottawa), By-law No. 2020-340, Tree Protection (Updated: January, 2021).



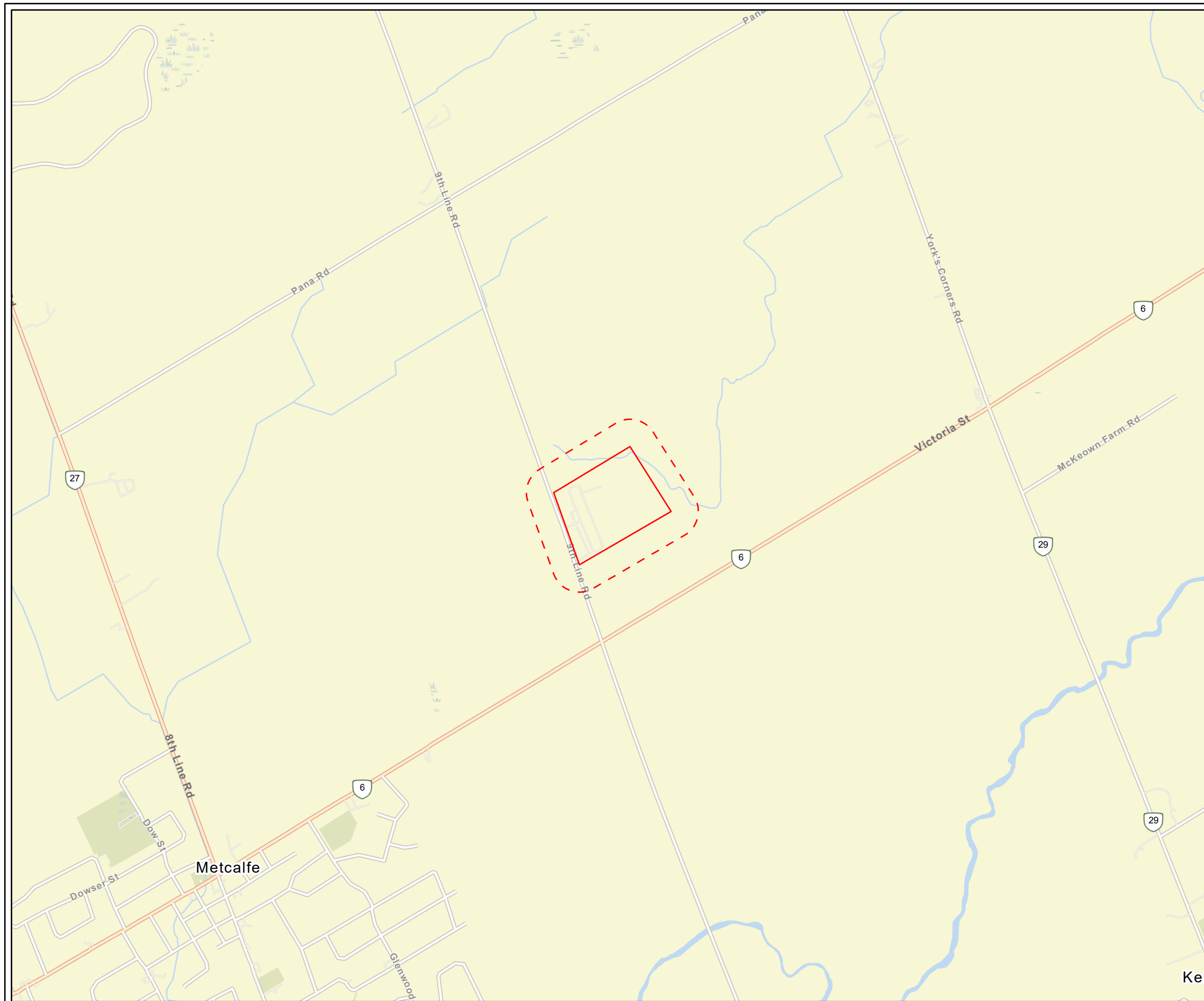
APPENDIX A

Report Figures

Figure A.1 – Site Location

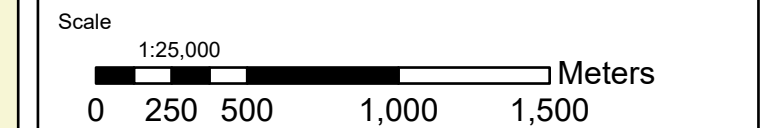
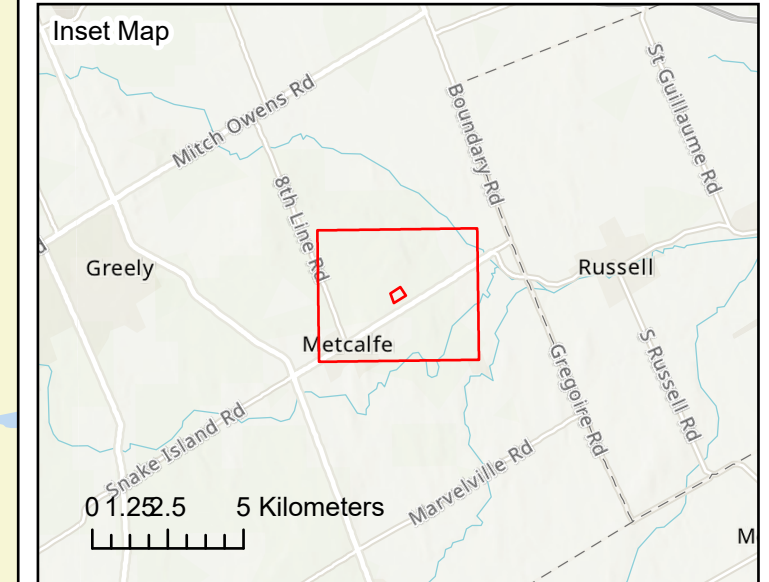
Figure A.2 – Site Layout

Figure A.3 – Tree Inventory



Legend

- Property Boundary
- Study Area



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Client: ZanderPlan Inc.	Project: 100227.087
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Location	2545 9th Line Road Ottawa, Ontario
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Drwn By: EP	Chkd By: TW	Site Location
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Date: December 2022	Rev. 0	Figure: A.1
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Coordinate System: NAD 1983 UTM Zone 18N
 Service Layer Credits: World Topographic Map: City of Ottawa, Province of Ontario, Esri Canada, Esri, HERE, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA, NRCAN, Parks Canada
 World Street Map: City of Ottawa, Province of Ontario, Esri Canada, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, NRCAN, Parks Canada



Legend

- Property Boundary
- Study Area
- Local Wetland
- Watercourse

Scale		1:4,800	
		Meters	
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Client:		ZanderPlan Inc.	Project: 100227.087
Location 2545 9th Line Road Ottawa, Ontario			
Drwn By: EP	Chkd By: TW	Site Layout	
Date: December 2022		Rev. 0	Figure: A.2
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Coordinate System: NAD 1983 UTM Zone 18N
 Service Layer Credits: Hybrid Reference Layer: Esri Community Maps Contributors, City of Ottawa, Province of Ontario, Esri Canada, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, NRCAN, Parks Canada
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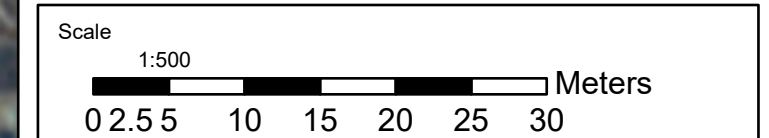


Legend

- Property Boundary
- Study Area
- Local Wetland
- Watercourse

Tree Number (Critical Root Zone [cm])

- × Dead
- Alive



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Client: ZanderPlan Inc.	Project: 100227.087
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Location 2545 9th Line Road Ottawa, Ontario

Drwn By: EP	Chkd By: TW	Tree Inventory
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Date: December 2022	Rev. 0	Figure: A.3a
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Coordinate System: NAD 1983 UTM Zone 18N
 Service Layer Credits: World Imagery: Maxar, Microsoft
 Hybrid Reference Layer: Esri Community Maps Contributors, City of Ottawa, Province of Ontario, Esri Canada, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, NRCan, Parks Canada



Legend

- Property Boundary
- Study Area
- Local Wetland
- Watercourse

Tree Number (Critical Root Zone [cm])

- × Dead
- Alive

Inset Map

00.00.09 0.18 0.27 Kilometers

Scale			
1:500	Meters		
32 Steacie Drive, Ottawa, ON K2K 2A9 T: (613) 836-1422 www.gemtec.ca ottawa@gemtec.ca			
Client:	Project:		
ZanderPlan Inc.	100227.087		
Location 2545 9th Line Road Ottawa, Ontario			
Drwn By:	Chkd By:	Tree Inventory	
EP	TW		
Date: December 2022		Rev.	Figure: A.3b
© Queen's Printer for Ontario		0	



Legend

- Property Boundary
- Study Area
- Local Wetland
- Watercourse

Tree Number (Critical Root Zone [cm])

- × Dead
- Alive



Scale		1:500	
		Meters	
		32 Steacie Drive, Ottawa, ON K2K 2A9 T: (613) 836-1422 www.gemtec.ca ottawa@gemtec.ca	
Client:		ZanderPlan Inc.	Project:
			100227.087
Location 2545 9th Line Road Ottawa, Ontario			
Drwn By:	Chkd By:	Tree Inventory	
EP	TW		
Date: December 2022		Rev.	Figure: A.3c
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Coordinate System: NAD 1983 UTM Zone 18N
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 Hybrid Reference Layer: Esri Community Maps Contributors, City of Ottawa, Province of Ontario, Esri Canada, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, NRCAN, Parks Canada

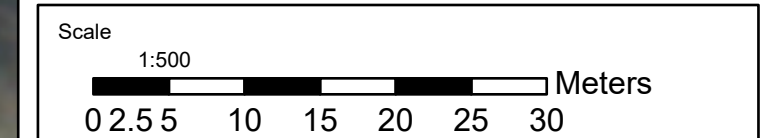


Legend

- Property Boundary
- Study Area
- Local Wetland
- Watercourse

Tree Number (Critical Root Zone [cm])

- × Dead
- Alive



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Location
**2545 9th Line Road
Ottawa, Ontario**

Drwn By: EP	Chkd By: TW	Tree Inventory
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Date: December 2022	Rev. 0	Figure: A.3d
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Coordinate System: NAD 1983 UTM Zone 18N
 Service Layer Credits: World Imagery: Maxar, Microsoft
 Hybrid Reference Layer: Esri Community Maps Contributors, City of Ottawa, Province of Ontario, Esri Canada, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, NRCAN, Parks Canada



APPENDIX B

Site Photographs



Site Photo 1 – Manitoba Maple



Site Photo 2 – Manitoba Maple



Site Photo 3 – Manitoba Maple and Pond



Site Photo 4 – Manitoba Maple Stand



APPENDIX C

Tree Inventory Summary Table

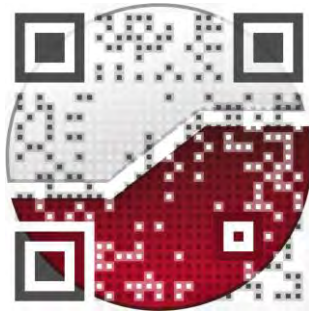
**TABLE C.1
TREE INVENTORY**

Tree Number	Common Name	Scientific Name	Diameter (cm DBH)	Critical Root Zone (cm)	Condition	Retainable or Conflict	Significant Tree (> 50 cm)	Wildlife Tree
1	Manitoba maple	<i>Acer negundo</i>	56	563	Healthy	Retainable	Yes	No
2	Manitoba maple	<i>Acer negundo</i>	18	180	Healthy	Retainable	No	No
3	Manitoba maple	<i>Acer negundo</i>	30	302	Healthy	Retainable	No	No
4	Manitoba maple	<i>Acer negundo</i>	34	340	Healthy	Retainable	No	No
5	Manitoba maple	<i>Acer negundo</i>	58	576	Healthy	Retainable	Yes	No
6	Manitoba maple	<i>Acer negundo</i>	11	109	Healthy	Retainable	No	No
7	Manitoba maple	<i>Acer negundo</i>	16	160	Healthy	Retainable	No	No
8	American Elm	<i>Ulmus americana</i>	51	512	Healthy	Retainable	Yes	Yes
9	Manitoba maple	<i>Acer negundo</i>	42	416	Healthy	Retainable	No	No
10	Manitoba maple	<i>Acer negundo</i>	28	275	Poor	Retainable	No	Yes
11	Manitoba maple	<i>Acer negundo</i>	18	182	Healthy	Retainable	No	No
12	Manitoba maple	<i>Acer negundo</i>	16	164	Healthy	Retainable	No	No
13	Manitoba maple	<i>Acer negundo</i>	13	128	Healthy	Retainable	No	No
14	Manitoba maple	<i>Acer negundo</i>	17	166	Healthy	Retainable	No	No
15	Manitoba maple	<i>Acer negundo</i>	18	175	Healthy	Retainable	No	No
16	Manitoba maple	<i>Acer negundo</i>	19	185	Healthy	Retainable	No	Yes
17	Manitoba maple	<i>Acer negundo</i>	25	250	Healthy	Retainable	No	No
18	Manitoba maple	<i>Acer negundo</i>	43	425	Healthy	Retainable	No	Yes
19	Manitoba maple	<i>Acer negundo</i>	28	280	Healthy	Retainable	No	No
20	Manitoba maple	<i>Acer negundo</i>	27	265	Healthy	Retainable	No	No
21	Manitoba maple	<i>Acer negundo</i>	22	223	Healthy	Retainable	No	No
22	Manitoba maple	<i>Acer negundo</i>	29	291	Healthy	Retainable	No	No
23	Manitoba maple	<i>Acer negundo</i>	16	160	Healthy	Retainable	No	No
24	Manitoba maple	<i>Acer negundo</i>	52	519	Healthy	Retainable	Yes	No
25	Manitoba maple	<i>Acer negundo</i>	41	413	Healthy	Retainable	No	Yes
26	Manitoba maple	<i>Acer negundo</i>	14	135	Healthy	Retainable	No	No
27	Sugar maple	<i>Acer saccharum</i>	37	372	Healthy	Retainable	No	Yes
28	Manitoba maple	<i>Acer negundo</i>	34	343	Healthy	Retainable	No	Yes
29	White Ash	<i>Fraxinus americana</i>	13	130	Good	Retainable	No	No
30	Manitoba maple	<i>Acer negundo</i>	16	158	Healthy	Retainable	No	No
31	Manitoba maple	<i>Acer negundo</i>	16	157	Healthy	Retainable	No	No
32	Manitoba maple	<i>Acer negundo</i>	17	166	Good	Retainable	No	No
33	Manitoba maple	<i>Acer negundo</i>	28	280	Healthy	Retainable	No	No
34	Manitoba maple	<i>Acer negundo</i>	28	275	Healthy	Retainable	No	No
35	Manitoba maple	<i>Acer negundo</i>	26	260	Healthy	Retainable	No	No
36	Manitoba maple	<i>Acer negundo</i>	21	211	Healthy	Retainable	No	No
37	Manitoba maple	<i>Acer negundo</i>	33	326	Healthy	Retainable	No	No
38	Manitoba maple	<i>Acer negundo</i>	37	367	Good	Retainable	No	Yes
39	Manitoba maple	<i>Acer negundo</i>	47	470	Good	Retainable	No	Yes
40	Manitoba maple	<i>Acer negundo</i>	57	568	Healthy	Retainable	Yes	No
41	Manitoba maple	<i>Acer negundo</i>	37	372	Healthy	Retainable	No	No
42	Manitoba maple	<i>Acer negundo</i>	21	210	Healthy	Retainable	No	No
43	Manitoba maple	<i>Acer negundo</i>	22	220	Healthy	Retainable	No	No
44	Manitoba maple	<i>Acer negundo</i>	23	228	Healthy	Retainable	No	No
45	Manitoba maple	<i>Acer negundo</i>	26	260	Healthy	Retainable	No	No
46	Manitoba maple	<i>Acer negundo</i>	27	270	Healthy	Retainable	No	No
47	Manitoba maple	<i>Acer negundo</i>	24	240	Healthy	Retainable	No	No
48	Manitoba maple	<i>Acer negundo</i>	21	208	Good	Retainable	No	No
49	Manitoba maple	<i>Acer negundo</i>	31	305	Healthy	Retainable	No	No
50	Manitoba maple	<i>Acer negundo</i>	32	317	Healthy	Retainable	No	No
51	Manitoba maple	<i>Acer negundo</i>	58	579	Healthy	Retainable	Yes	Yes
52	Manitoba maple	<i>Acer negundo</i>	25	252	Poor	Retainable	No	No
53	Manitoba maple	<i>Acer negundo</i>	19	190	Healthy	Retainable	No	No

**TABLE C.1
TREE INVENTORY**

54	Manitoba maple	<i>Acer negundo</i>	47	467	Good	Retainable	No	Yes
55	Manitoba maple	<i>Acer negundo</i>	32	317	Healthy	Retainable	No	No
56	Manitoba maple	<i>Acer negundo</i>	30	300	Healthy	Retainable	No	No
57	Manitoba maple	<i>Acer negundo</i>	18	175	Healthy	Retainable	No	No
58	Manitoba maple	<i>Acer negundo</i>	18	182	Healthy	Retainable	No	No
59	Manitoba maple	<i>Acer negundo</i>	21	208	Healthy	Retainable	No	No
60	Manitoba maple	<i>Acer negundo</i>	25	251	Healthy	Retainable	No	No
61	Manitoba maple	<i>Acer negundo</i>	19	191	Healthy	Retainable	No	No
62	Manitoba maple	<i>Acer negundo</i>	17	165	Healthy	Retainable	No	No
63	Manitoba maple	<i>Acer negundo</i>	17	173	Healthy	Retainable	No	No
64	Manitoba maple	<i>Acer negundo</i>	15	146	Healthy	Retainable	No	No
65	Manitoba maple	<i>Acer negundo</i>	15	145	Healthy	Retainable	No	No
66	Manitoba maple	<i>Acer negundo</i>	21	212	Healthy	Retainable	No	No
67	Manitoba maple	<i>Acer negundo</i>	15	153	Healthy	Retainable	No	No
68	Manitoba maple	<i>Acer negundo</i>	10	100	Healthy	Retainable	No	Yes
69	Manitoba maple	<i>Acer negundo</i>	32	316	Healthy	Retainable	No	No
70	Manitoba maple	<i>Acer negundo</i>	15	145	Healthy	Retainable	No	No
71	Manitoba maple	<i>Acer negundo</i>	15	145	Healthy	Retainable	No	No
72	Manitoba maple	<i>Acer negundo</i>	19	185	Healthy	Retainable	No	No
73	Manitoba maple	<i>Acer negundo</i>	20	203	Healthy	Retainable	No	No
74	Manitoba maple	<i>Acer negundo</i>	61	614	Poor	Retainable	Yes	No
75	Sugar maple	<i>Acer saccharum</i>	30	300	Healthy	Retainable	No	No
76	Willow	<i>Salix sp.</i>	38	380	Healthy	Retainable	No	No
77	Willow	<i>Salix sp.</i>	28	283	Healthy	Retainable	No	No
78	Sugar maple	<i>Acer saccharum</i>	22	223	Healthy	Retainable	No	No
79	American Elm	<i>Ulmus americana</i>	42	421	Healthy	Retainable	No	No
80	American Elm	<i>Ulmus americana</i>	23	232	Healthy	Retainable	No	No
81	American Elm	<i>Ulmus americana</i>	17	165	Healthy	Retainable	No	No
82	Sugar maple	<i>Acer saccharum</i>	14	136	Healthy	Retainable	No	No
83	American Elm	<i>Ulmus americana</i>	26	260	Healthy	Retainable	No	No
84	American Elm	<i>Ulmus americana</i>	23	NA	Dead	Retainable	No	No
85	Ironwood	<i>Ostrya virginiana</i>	19	190	Healthy	Retainable	No	No
86	Sugar maple	<i>Acer saccharum</i>	23	228	Healthy	Retainable	No	No
87	Ironwood	<i>Ostrya virginiana</i>	13	132	Healthy	Retainable	No	No
88	American Elm	<i>Ulmus americana</i>	21	206	Healthy	Retainable	No	No
89	White Ash	<i>Fraxinus americana</i>	16	160	Poor	Retainable	No	No
90	White Ash	<i>Fraxinus americana</i>	27	272	Poor	Retainable	No	Yes
91	White Ash	<i>Fraxinus americana</i>	20	200	Poor	Retainable	No	No
92	Ironwood	<i>Ostrya virginiana</i>	13	128	Healthy	Retainable	No	No
93	American Elm	<i>Ulmus americana</i>	21	210	Good	Retainable	No	No
94	Sugar maple	<i>Acer saccharum</i>	100	1000	Good	Retainable	Yes	Yes
95	American Elm	<i>Ulmus americana</i>	17	170	Healthy	Retainable	No	No
96	White Ash	<i>Fraxinus americana</i>	17	170	Poor	Retainable	No	No

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