

Tree Conservation Report Proposed Development Application 788 March Road Ottawa, Ontario



Submitted to:

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Tree Conservation Report Proposed Development Application 788 March Road Ottawa, Ontario

June 6, 2024 Project: 103027.001

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1.0 INTRODUCTION

GEMTEC Consulting Engineers and Scientists Limited (GEMTEC) was retained by SINA to carry out a Tree Conservation Report (TCR) for the property located at 788 March 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 development application for the property located at 788 March Road, in Ottawa, Ontario for future residential development. As a component of the development 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 property has an approximate size of 1.21 hectares (ha). The proposed site development includes a mixed-use apartment building with road access via March Road and Klondike Road. The existing site layout and proposed development is provided in Figure A.2 and Figure A.3, respectively, 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 (m) above ground surface for trees of 10 centimeters (cm) in diameter and greater.

Critical Root Zone (CRZ), is defined as the ground area within a circumference around the tree trunk calculated as 10 cm from the trunk of the tree for every one centimeter of tree truck 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 1965 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 general surrounding area has seen an increase in residential and commercial development since 1991. Development was present on-site between 1965-1991 but became vacant until present day configuration in 2021. 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 September 22, 2023, from 12:15 to 16:15, 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 tree location, and the tree species.

An additional tree survey was completed in conjunction with topographic surveys by J.D. Barnes Ltd. on May 23, 2024. All stems greater than 10cm DBH within 5 m of the proposed bicycle path were surveyed and given a tree identifier. Many of these surveyed trees were previously identified by GEMTEC during the September 2023 tree inventory; however, some additional stems were added.

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: 21°C, no cloud cover, Beaufort 2 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 vacant development area. No development exists on site, but the area of previous disturbance occupies an approximate area of 0.35 ha.

Outside of the existing disturbed area, the subject site consists of the riparian areas of Shirley's Brook that flows along the eastern property boundary. Numerous trees are present on the property, primarily along Shirley's Brook and within the riparian area. A summary of all trees onsite is provided in Section 3.2 below.

The land use in the vicinity of the site is characterized by commercial 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 Shirley's Brook.

Based on NHIC observation data, the following threatened and endangered Species at Risk (SAR) have been observed within 1 km of the subject property:, bobolink, eastern meadowlark, eastern whip-poor-will, least bittern, eastern small-foot myotis, little brown myotis, tri-colored bat, Blanding's turtle and black ash, butternut. No SAR species were identified on-site or in the area immediately adjacent to the property during the site investigation. However, based conservatively on the NHIC observation data, the KNUEA EMP (DST, 2015; Novatech, 2016), and observation data from the McKinley EIS (2020), the subject site contains regulated Category 2 and Category 3 habitat for Blanding's turtle. Butternut trees were specifically targeted for presence/absence during the survey, however 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.

| Natural Feature | Present On-site or Adjacent |
|---|--|
| Surface water or wetlands present | Present – Shirley's Brook |
| 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 | Present – Blanding's turtle, and SAR Bats |

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

3.2 Tree Inventory Summary

A tree inventory was conducted on September 22, 2023. 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 was 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.4, in Appendix A.

Additional trees surveyed on May 23, 2024 by J.D. Barnes Ltd. were reviewed and compared to those inventoried by GEMTEC in 2023. Corresponding trees that were surveyed by both GEMTEC and J.D. Barnes were enumerated accordingly. Any trees that either party did not both identify, were added to Table C.1 in Appendix C.

Per the City of Ottawa's Tree Protection By-law (No. 2020-340), 11 trees on the subject site, were identified as a distinctive tree (DBH > 50 cm). Table 3.2 below details the results. For this report, dead standing trees were not included in the distinctive tree list, even if the DBH was greater than 50 cm.

| Tree # | Species | DBH (cm) | Condition |
|--------|----------------|----------|-----------|
| 1 | Red Maple | 59 | Healthy |
| 8 | Manitoba Maple | 86 | Healthy |
| 11 | Manitoba Maple | 52 | Good |
| 15 | Red Maple | 71 | Healthy |
| 29 | Manitoba Maple | 66 | Healthy |
| 35 | Manitoba Maple | 69 | Poor |
| 45 | Manitoba Maple | 79 | Good |
| 46 | Manitoba Maple | 57 | Poor |
| 64 | Manitoba Maple | 58 | Poor |
| 91 | Manitoba Maple | 50 | Healthy |
| 106 | Manitoba maple | 73 | Healthy |

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

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 mature and semimature trees. Dominant tree species on-site were represented by Manitoba maple (Acer *negundo*). Most of the observed ash species identified on-site were of poor health or dead, likely due to the presence of emerald ash borer. Many of the ash species were observed to have epicormic shoots (young shoots growing from near the base of the tree) indicative of stress and poor health conditions. Most 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.3, the following conclusions are provided:

- Out of 113 trees identified by GEMTEC on-site with a DBH greater or equal to 10 cm, 97 were identified as retainable and 16 trees were identified as conflict. The 16 trees identified as conflict, illustrated on Figures A.4a, A.4b. and A.4c, are considered non-retainable as they are in direct conflict with the development plan or greater than 30% of the trees CRZ will be impacted by the grading from the building and/or the approximate location of the pathway;
- 7 additional trees were identified by J.D. Barnes Limited on-site on May 23, 2024, with a DBH greater or equal to 10 cm, 3 were identified as retainable and 4 were identified as conflict. These additional trees are not included within the assessment of species, health or potential wildlife habitat. All additional trees are illustrated on Figures A.4a, A.4b and A.4c.
- 11 distinctive trees, meeting the City of Ottawa's Tree Protection (By-law No. 2020-340), requirements of DBH > 50 cm, were identified on-site, 3 of which were identified as conflict, and are likely not retainable under the current development plan;
- Trees on-site are of a typical upland or early successional species;
- 97 trees are in good/healthy condition and 16 trees are in poor or dead condition;
- 17 of the trees present on-site were observed to provide potential wildlife habitat (snag, active nest), 4 of which were identified as conflict and are considered not retainable under the current development plan;
- No Butternut [END] or Black Ash [END] trees were identified on-site or in the area immediately adjacent to site;
- None of the 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, including those within the limit of grading, will have their existing elevations around the critical root zone maintained.

4.1 Tree Conservation Recommendations

It is our opinion based on the results of the completed tree inventory that none of the trees onsite represent exceptional tree specimens, rare communities, nor do they provide any conservation value or great ecological benefit. Based on the proposed development plan it is assumed that 100 of the total identified trees on the subject property are retainable and 20 of the trees were identified as conflict, non-retainable. Of the 20 conflict trees six were identified as having greater than 30% of their CRZ impacted (trees numbered 9, 8, 30, 35, 64 and T18). These trees occur within the grading area with greater than 30% of their root structures overlapping the development plan. 14 trees (trees numbered 32, 34, 37, 36, 38, 39, 40, 42, 54, 55, 81, T20, T38 and T40) were identified as directly in conflict with the development plan. The trunks of these trees occur within or on the boundary of the development plan or proposed bicycle path. Conflict trees are illustrated on Figures A.4a, A.4b and A.4c. The proposed bicycle path will be field fit in Spring 2026 and should consider maintaining the distinctive trees identified in this report, in addition to other healthier, more mature trees.

Based on the current development plan, most of the existing treed vegetation on-site will be conserved through the implementation of the 30 m top of bank setback. The proposed building will be situated within the vacant section of the site with exclusion fencing both protecting and limiting access to the conserved vegetation on-site. The grading plan, as designed by McIntosh Perry (2023), will tie into the downward slope, already present on-site, towards Shirley's Brook. Pre- and post-drainage patterns are expected to remain the same with water being directed to roadside ditches away from the conserved vegetation and Shirley's Brook. 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 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 and promote long-term survival of trees identified to be retained in the redevelopment plan for the site.

- All trees identified to be retained, including those within the limit of grading, 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
 - \circ No refueling or disposal of liquids.
- Tree protection should follow the tree protection specification provided by the City of Ottawa (2021). 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;
 - As shown in the Landscape Plan, as designed by GJA INC. (2024), approximately 42 trees and 20 shrubs have been proposed to be planted as well as the creation of a naturalization bed and areas with native seed mix.
- 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 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; 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 timing window than 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 SINA and is intended for the exclusive use of SINA This report may not be relied upon by any other person or entity without the express written consent of GEMTEC and SINA 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.

Once the location of the multiuse pathway has been determined in Spring 2026, GEMTEC will provide an addendum for the proposed impacted trees.

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,

wily Jung

Emily Young, B.Sc. Junior Biologist

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Zachary Anderson, 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.

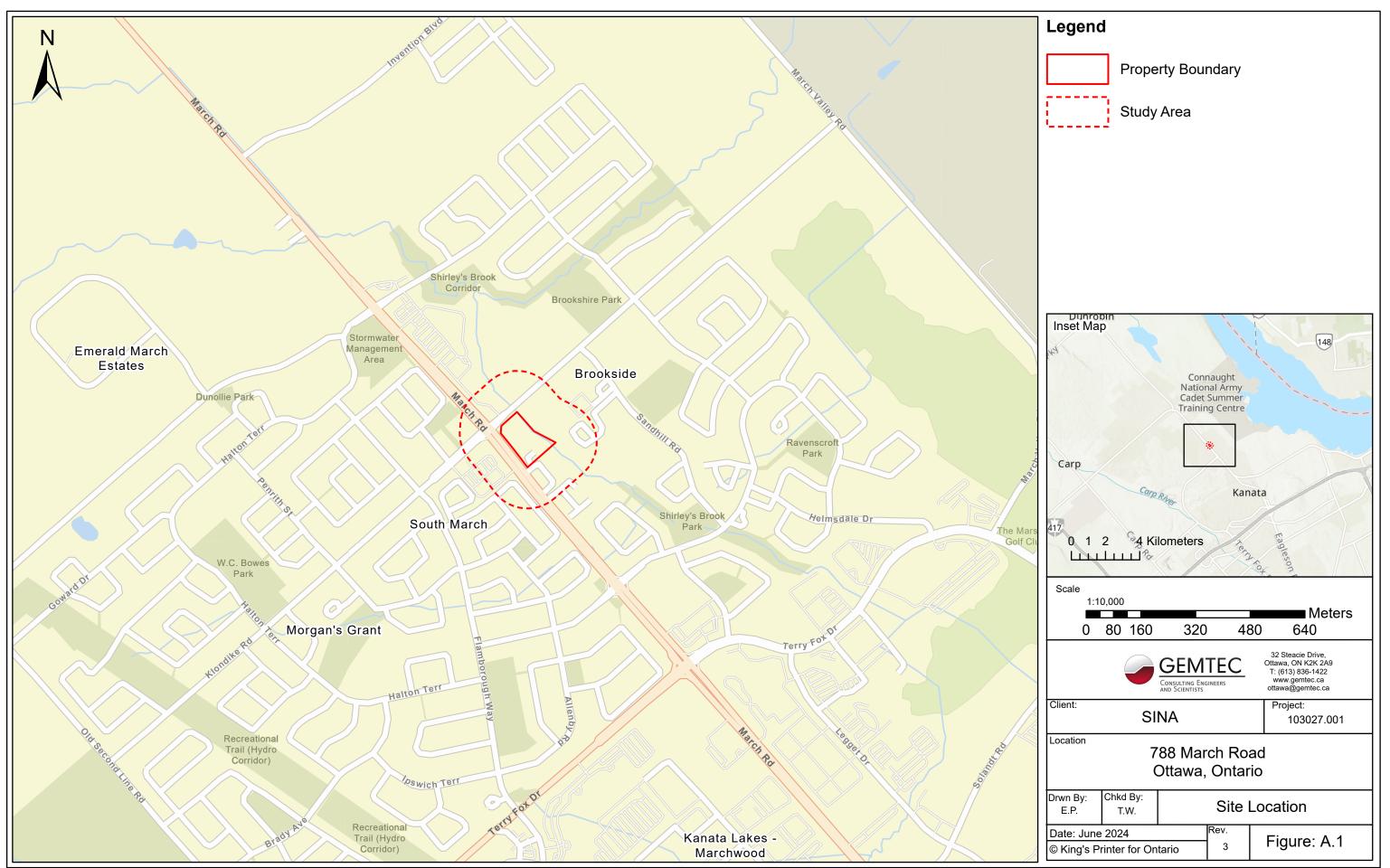
Ottawa, City of (Ottawa), By-law No. 2020-340, Tree Protection (Updated: January, 2021).



APPENDIX A

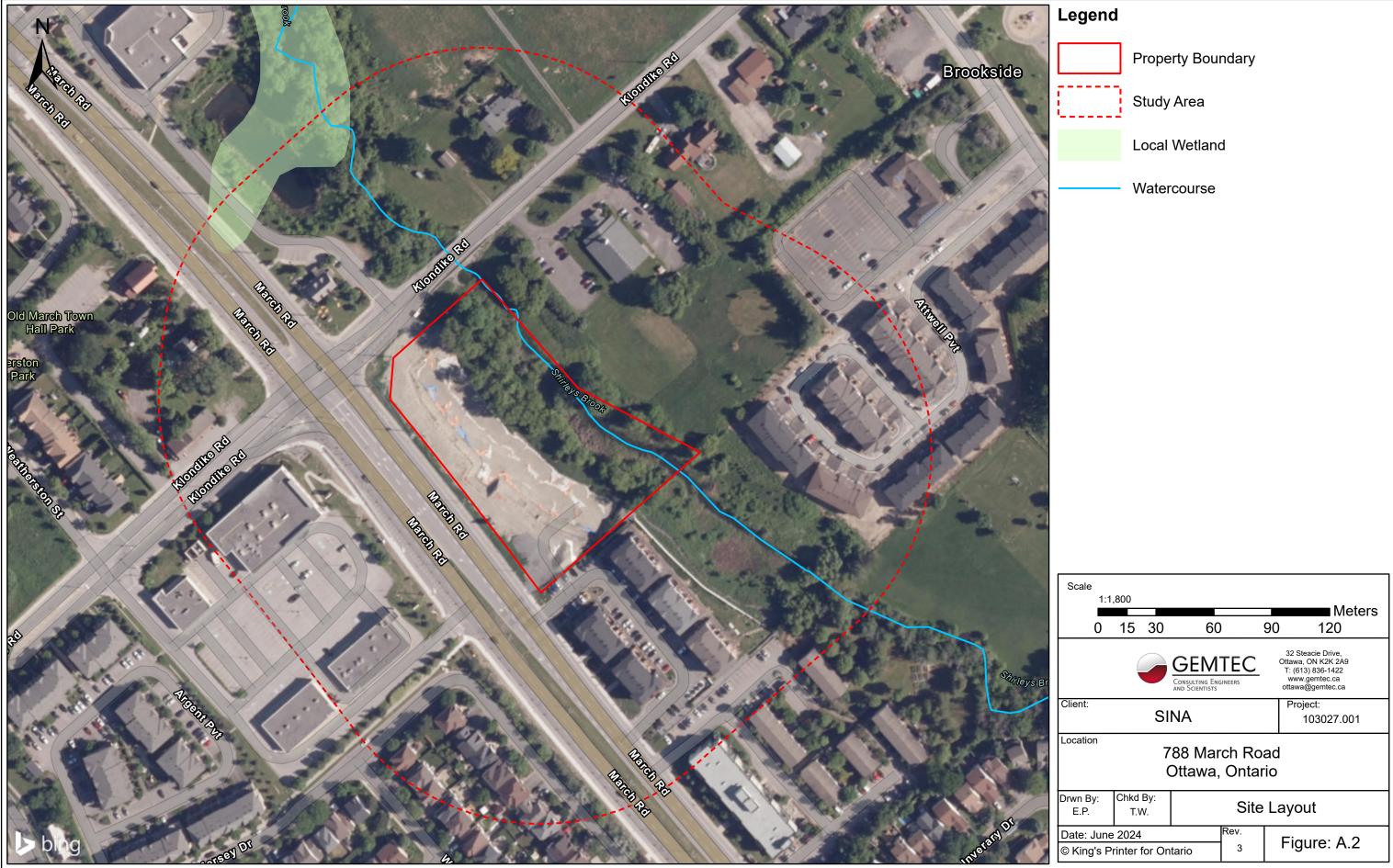
Report Figures

Figure A.1 – Site Location Figure A.2 – Site Layout Figure A.3 – Development Plan Figure A.4 – Tree Inventory



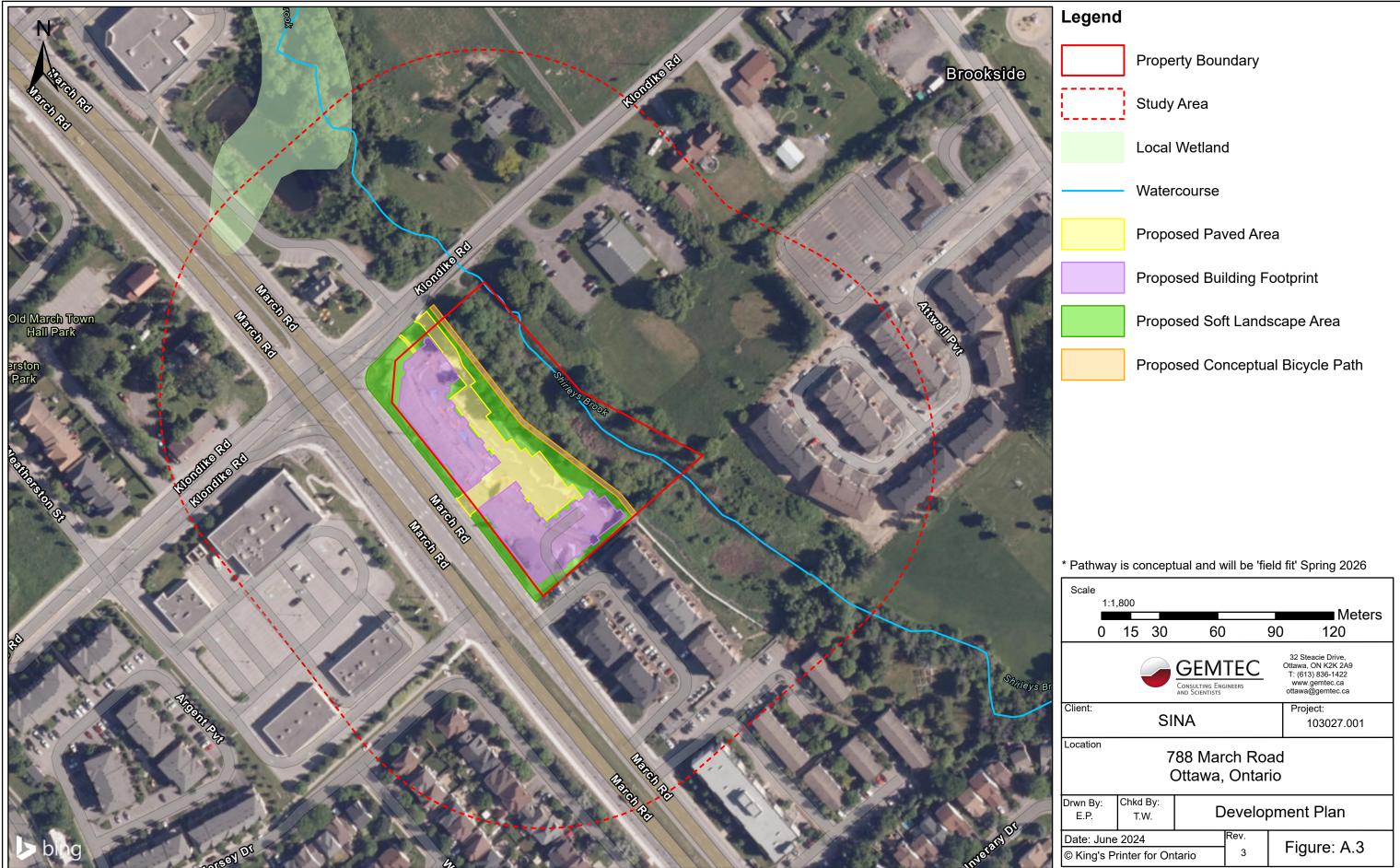
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Service Layer Credits: World Topographic Map: City of Ottawa, Province of Ontario, Esri Canada, Esri, TomTom, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA, NRCan, Parks Canada World Street Map: Esri Community Maps Contributors, City of Ottawa, Province of Ontario, Esri Canada, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, NRCan, Parks Canada



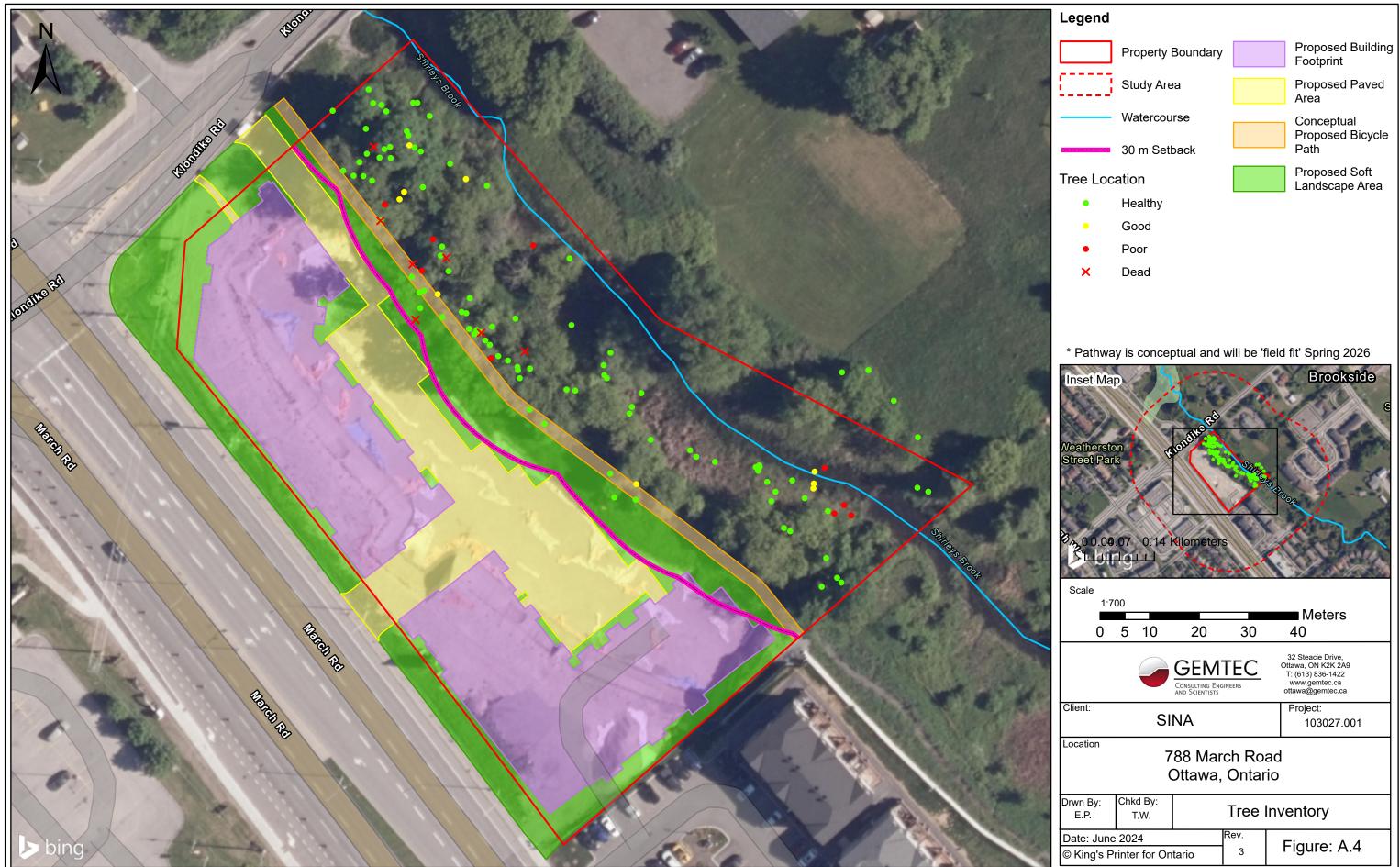
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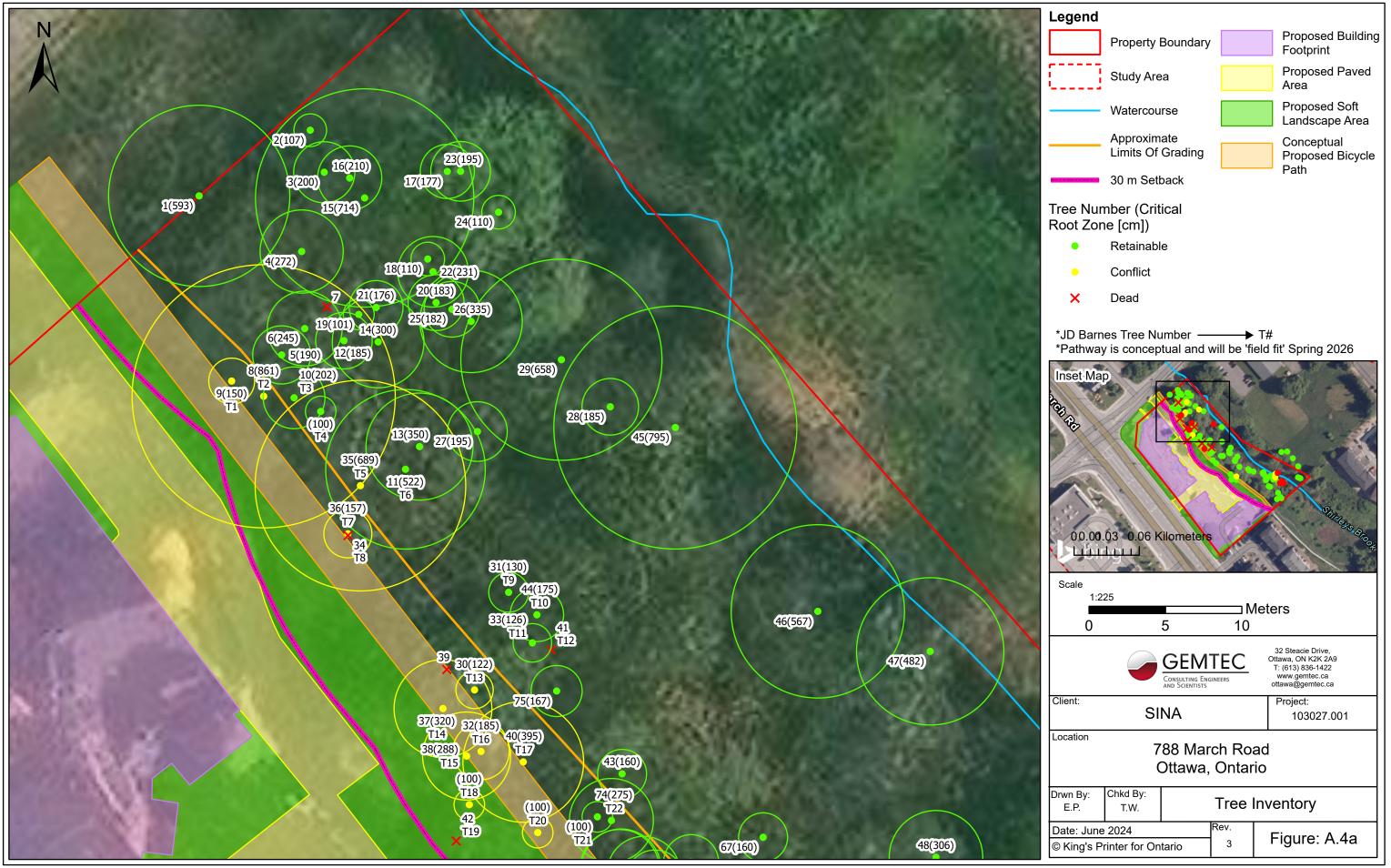


Coordinate System: NAD 1983 UTM Zone 18N Service Layer Credits: Hybrid Reference Layer: Esri Community Maps Contributors, City of Ottawa, Province of Ontario, Esri Canada, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, NRCan, Parks Canada City of Ottawa 2022 Imagery:

| Scale 1:1 | ,800 | | | | | Meters | | |
|---|-----------|-------|-----------|------------------------|-------------|--------|--|--|
| 0 | 15 | 30 | 60 | | 90 | 120 | | |
| CONSULTING ENGINEERS AND SCIENTISTS 32 Steacie Drive, Ottawa, ON K2K 2A9 T: (613) 836-1422 www.gemtec.ca ottawa@gemtec.ca | | | | | | | | |
| Client: | | SI | NA | Project: 103027.001 | | | | |
| ^{Location} 788 March Road Ottawa, Ontario | | | | | | | | |
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| Date: June © King's P | | tario | Rev. 3 | | Figure: A.3 | | | |

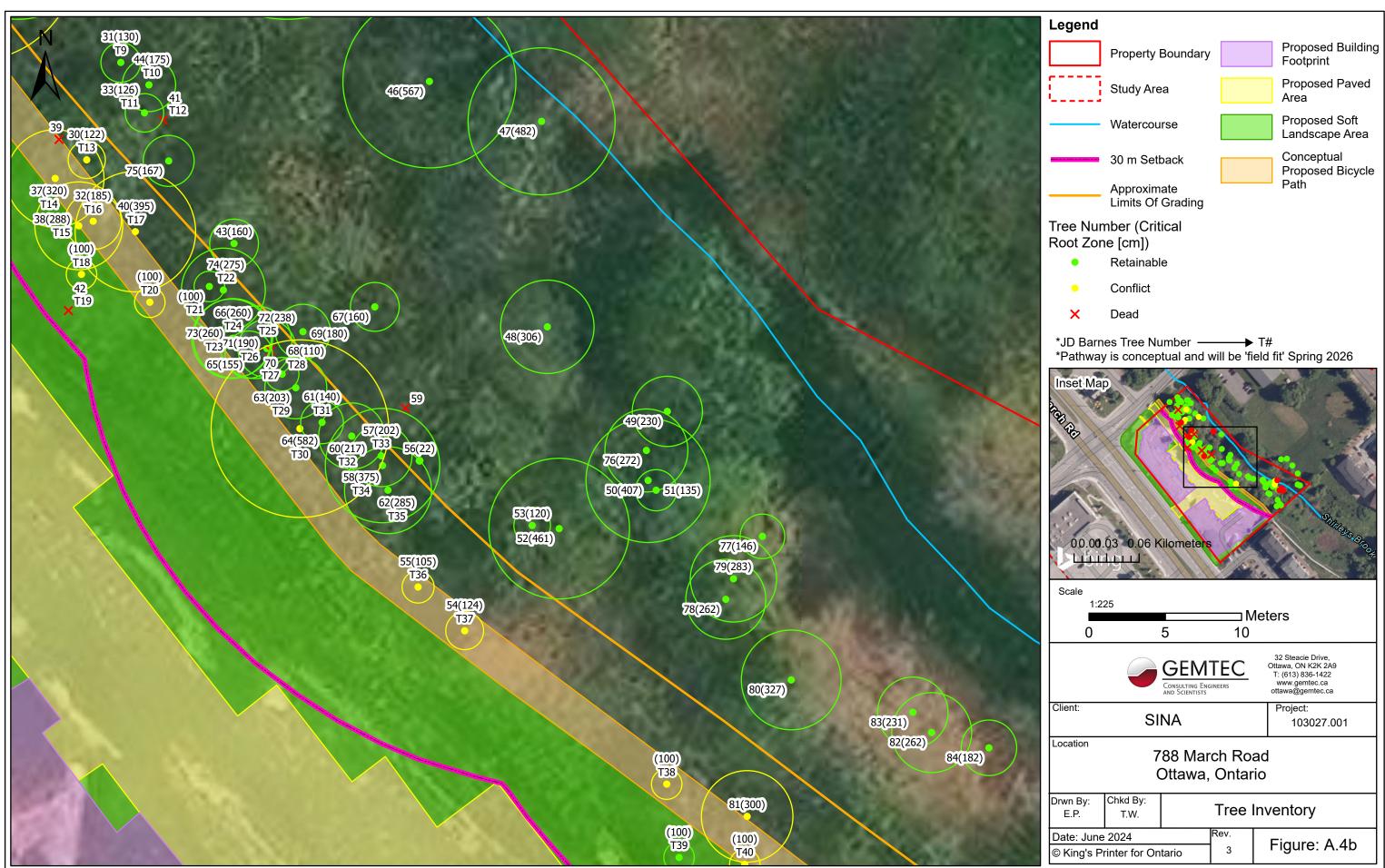


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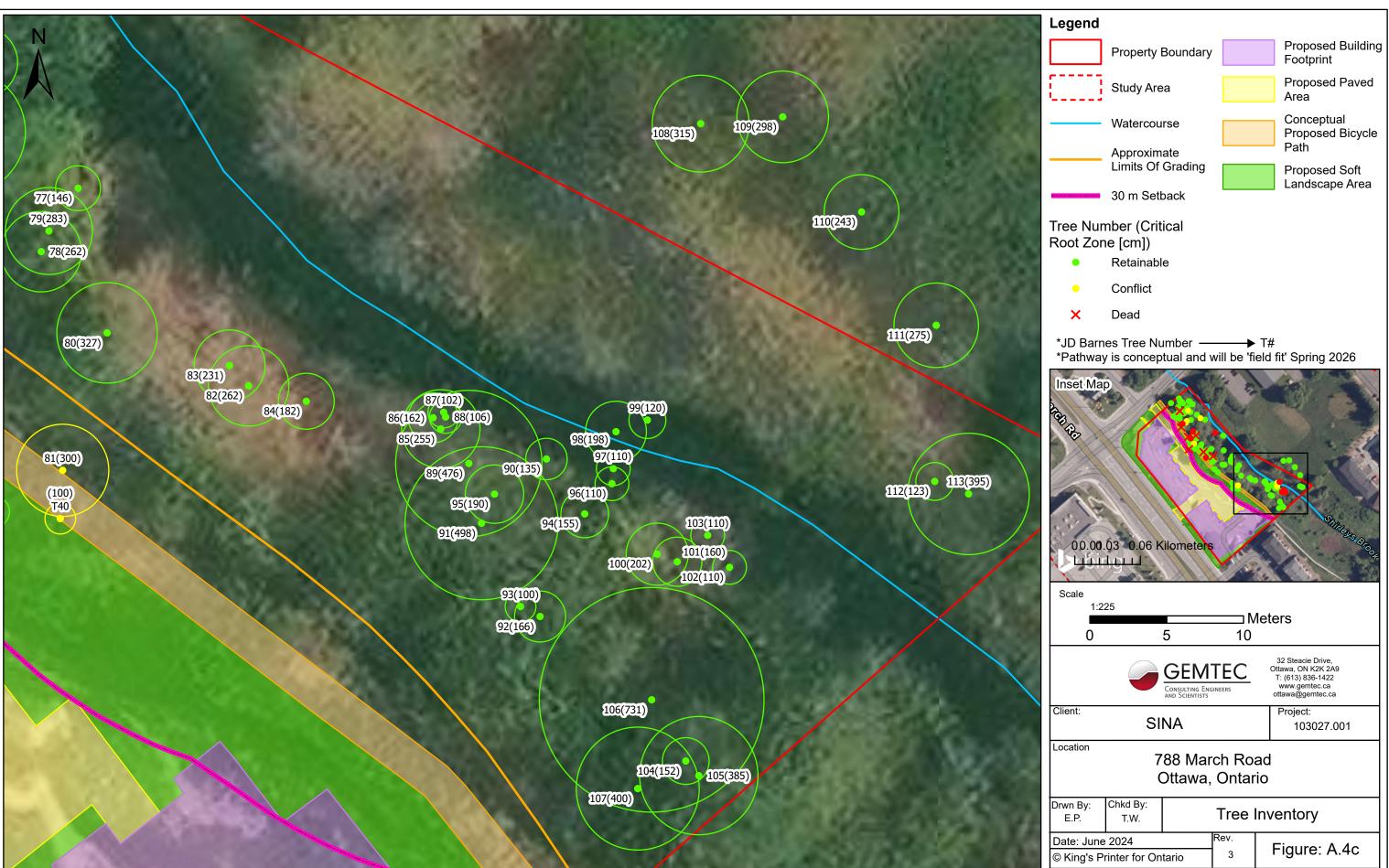
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| Client: | SI | NA | | Project: 103027.001 | | | |
|--|-------------------------|----------------|-----------|------------------------|--|--|--|
| ^{Location} 788 March Road Ottawa, Ontario | | | | | | | |
| Drwn By: E.P. | Chkd By: T.W. | Tree Inventory | | | | | |
| Date: June © King's P | e 2024 rinter for On | | Rev. 3 | Figure: A.4b | | | |



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, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, NRCan, Parks Canada

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|---|--|---|-----------|---|--|--|--|--|
| Client: | SI | NA | | Project: 103027.001 | | | | |
| Location | ^{Location} 788 March Road Ottawa, Ontario | | | | | | | |
| Drwn By: E.P. | Chkd By: T.W. | Troo Inventory | | | | | | |
| Date: June 2024 © King's Printer for Ontario | | | Rev. 3 | Figure: A.4c | | | | |





Site Photograph 1 – Wooded Area



Site Photograph 2 – Wooded Area



Site Photograph 3 – Disturbed Area and Wooded Area



Site Photograph 4 – Shirley's Brook and Riparian Area



Project Tree Conservation Report 788 March Road Ottawa, Ontario

File No. 103027.001

Site Photographs

APPENDIX C

Tree Inventory Summary Table

TABLE C.1 TREE INVENTORY

| Tree Number GEMTEC | Tree Number JD Barnes | Common Name | Scientific Name | Diameter (cm DBH) | Critical Root Zone (cm) | Condition | Retainable or Conflict | Signficant Tree (> 50 cm) | Wildlife Tree |
|-----------------------|--------------------------|----------------|------------------------|-------------------|----------------------------|-----------|---------------------------|------------------------------|---------------|
| 1 | | Red Maple | Acer rubrum | 59 | 593 | Healthy | Retainable | Yes | Yes |
| 2 | | Sugar Maple | Acer saccharum | 11 | 107 | Healthy | Retainable | No | No |
| 3 | | Manitoba Maple | Acer negundo | 20 | 200 | Healthy | Retainable | No | Yes |
| 4 | | Manitoba Maple | Acer negundo | 27 | 272 | Healthy | Retainable | No | No |
| 5 | | Manitoba Maple | Acer negundo | 19 | 190 | Healthy | Retainable | No | No |
| 6 | | Manitoba Maple | Acer negundo | 25 | 245 | Healthy | Retainable | No | No |
| 7 | | Manitoba Maple | Acer negundo | 16 | | Dead | Retainable | No | No |
| 8 | T2 | Manitoba Maple | Acer negundo | 86 | 861 | Healthy | Conflict | Yes | Yes |
| 9 | T1 | American Elm | Ulmus americana | 15 | 150 | Healthy | Conflict | No | No |
| 10 | Т3 | American Elm | Ulmus americana | 20 | 202 | Healthy | Retainable | No | No |
| 11 | T6 | Manitoba Maple | Acer negundo | 52 | 522 | Good | Retainable | Yes | Yes |
| 12 | | American Elm | Ulmus americana | 19 | 185 | Healthy | Retainable | No | No |
| 13 | | Manitoba Maple | Acer negundo | 35 | 350 | Good | Retainable | No | Yes |
| 14 | | Manitoba Maple | Acer negundo | 30 | 300 | Healthy | Retainable | No | No |
| 15 | | Red Maple | Acer rubrum | 71 | 714 | Healthy | Retainable | Yes | Yes |
| 16 | | Manitoba Maple | Acer negundo | 21 | 210 | Healthy | Retainable | No | No |
| 17 | | Red Maple | Acer rubrum | 18 | 177 | Healthy | Retainable | No | No |
| 18 | | Red Maple | Acer rubrum | 11 | 110 | Healthy | Retainable | No | No |
| 19 | | Sugar Maple | Acer saccharum | 10 | 101 | Healthy | Retainable | No | No |
| 20 | | Manitoba Maple | Acer negundo | 18 | 183 | Good | Retainable | No | Yes |
| 21 | | Sugar Maple | Acer saccharum | 18 | 176 | Healthy | Retainable | No | No |
| 22 | | Sugar Maple | Acer saccharum | 23 | 231 | Healthy | Retainable | No | No |
| 23 | | Sugar Maple | Acer saccharum | 20 | 195 | Healthy | Retainable | No | No |
| 24 | | American Elm | Ulmus americana | 11 | 110 | Healthy | Retainable | No | No |
| 25 | | Manitoba Maple | Acer negundo | 18 | 182 | Healthy | Retainable | No | No |
| 26 | | Manitoba Maple | Acer negundo | 34 | 335 | Healthy | Retainable | No | No |
| 27 | | Bur Oak | Quercus macrocarpa | 20 | 195 | Healthy | Retainable | No | No |
| 28 | | Manitoba Maple | Acer negundo | 19 | 185 | Good | Retainable | No | Yes |
| 29 | | Manitoba Maple | Acer negundo | 66 | 658 | Healthy | Retainable | Yes | Yes |
| 30 | T13 | Green Ash | Fraxinus pennsylvanica | 12 | 122 | Poor | Conflict | No | No |
| 31 | Т9 | Green Ash | Fraxinus pennsylvanica | 13 | 130 | Poor | Retainable | No | No |
| 32 | T16 | Manitoba Maple | Acer negundo | 19 | 185 | Healthy | Conflict | No | No |
| 33 | T11 | Manitoba Maple | Acer negundo | 13 | 126 | Healthy | Retainable | No | No |
| 34 | Т8 | Manitoba Maple | Acer negundo | 16 | | Dead | Conflict | No | No |
| 35 | T5 | Manitoba Maple | Acer negundo | 69 | 689 | Poor | Conflict | Yes | Yes |
| 36 | T7 | Bur Oak | Quercus macrocarpa | 16 | 157 | Healthy | Conflict | No | No |
| 37 | T14 | Manitoba Maple | Acer negundo | 32 | 320 | Healthy | Conflict | No | No |
| 38 | T15 | Manitoba Maple | Acer negundo | 29 | 288 | Healthy | Conflict | No | No |
| 39 | | Green Ash | Fraxinus pennsylvanica | 20 | | Dead | Conflict | No | Yes |
| 40 | T17 | Manitoba Maple | Acer negundo | 40 | 395 | Good | Conflict | No | No |
| 41 | T12 | Green Ash | Fraxinus pennsylvanica | 13 | | Dead | Retainable | No | No |
| 42 | T19 | Manitoba Maple | Acer negundo | 25 | | Dead | Conflict | No | No |
| 43 | | Manitoba Maple | Acer negundo | 16 | 160 | Healthy | Retainable | No | No |
| 44 | T10 | Manitoba Maple | Acer negundo | 18 | 175 | Healthy | Retainable | No | No |
| 45 | | Manitoba Maple | Acer negundo | 79 | 795 | Healthy | Retainable | Yes | Yes |
| 46 | | Manitoba Maple | Acer negundo | 57 | 567 | Poor | Retainable | Yes | Yes |
| 47 | | Manitoba Maple | Acer negundo | 48 | 482 | Healthy | Retainable | No | No |
| 48 | | Manitoba Maple | Acer negundo | 31 | 306 | Healthy | Retainable | No | No |
| 49 | | Manitoba Maple | Acer negundo | 23 | 230 | Healthy | Retainable | No | No |
| 50 | | Manitoba Maple | Acer negundo | 41 | 407 | Healthy | Retainable | No | No |
| 51 | | Manitoba Maple | Acer negundo | 14 | 135 | Healthy | Retainable | No | No |
| 52 | | Manitoba Maple | Acer negundo | 46 | 461 | Healthy | Retainable | No | No |

TABLE C.1 TREE INVENTORY

| 53 Dev Markba Maple Acer negurado 12 120 Healthy Relarable No No 54 T37 Markba Maple Acer negurado 12 124 Healthy Conflict No No 55 T36 Green Aah Fraxivus permyshverica 11 105 Healthy Conflict No No 56 T33 Maribba Maple Acer negurado 22 22 Healthy Relarable No No 57 T33 Maribba Maple Acer negurado 20 203 Healthy Relarable No No 58 T35 Maribba Maple Acer negurado 22 217 Healthy Relarable No No 61 T32 Maribba Maple Acer negurado 23 226 Healthy Relarable No No 63 T36 Maribba Maple Acer negurado 18 100 Healthy Relarable No No No | Tree Number GEMTEC | Tree Number JD Barnes | Common Name | Scientific Name | Diameter (cm DBH) | Critical Root Zone (cm) | Condition | Retainable or Conflict | Signficant Tree (> 50 cm) | Wildlife Tree |
|---|-----------------------|--------------------------|----------------|------------------------|-------------------|----------------------------|-----------|---------------------------|------------------------------|---------------|
| 55 T36 Grean Appropriation 11 105 Healtry Centicat. No No 56 | | | Manitoba Maple | Acer negundo | 12 | | Healthy | | | No |
| 56 Maritica Mapie Acer regurdo 22 22 Healtry Retinable No No 57 T33 Maritica Mapie Acer regurdo 38 375 Healtry Retinable No No 69 Maritica Mapie Acer regurdo 22 217 Healtry Retinable No No 60 T32 Maritica Mapie Acer regurdo 14 143 Healtry Retinable No No 61 T31 Maritica Mapie Acer regurdo 52 20 23 Healtry Retinable No No 63 - Maritica Mapie Acer regurdo 58 52 Poor Conflict Yes Yes Yes 64 T30 Maritica Mapie Acer regurdo 16 155 Healtry Retinable No No 66 T24 Maritica Mapie Acer regurdo 16 100 Healtry Retinable No | 54 | T37 | Manitoba Maple | Acer negundo | 12 | 124 | Healthy | Conflict | No | No |
| 57 T33 Manitoba Magie Acer regundo 20 202 Healthy Retainable No No 58 T34 Manitoba Magie Acer regundo 20 Dead Relainable No No 60 T32 Manitoba Magie Acer regundo 22 217 Healthy Relainable No No 61 T31 Manitoba Magie Acer regundo 28 285 Healthy Relainable No No 62 T33 Manitoba Magie Acer regundo 28 285 Healthy Relainable No No 63 T24 Manitoba Magie Acer regundo 20 202 Healthy Relainable No No 64 T4 Manitoba Magie Acer regundo 16 100 Healthy Relainable No No 67 - Manitoba Magie Acer regundo 18 100 Healthy Relainable No No | 55 | T36 | Green Ash | Fraxinus pennsylvanica | 11 | 105 | Healthy | Conflict | No | No |
| 58 T34 Manitoba Mapie Acer regurdo 20 Dead Retainable No No 60 T32 Manitoba Mapie Acer regurdo 22 217 Healthy Retainable No No 61 T33 Manitoba Mapie Acer regurdo 14 140 Healthy Retainable No No 62 T35 Manitoba Mapie Acer regurdo 28 285 Healthy Retainable No No 63 T29 Manitoba Mapie Acer regurdo 28 285 Healthy Retainable No No 64 T30 Manitoba Mapie Acer regurdo 16 153 Healthy Retainable No No 65 Manitoba Mapie Acer regurdo 18 100 Healthy Retainable No No 70 T27 Manitoba Mapie Acer regurdo 26 280 Healthy Retainable No No | 56 | | Manitoba Maple | Acer negundo | 22 | 22 | Healthy | Retainable | No | No |
| 59 - Manitoba Magie Acer regundo 20 - Dead Retainable No No 61 T31 Manitoba Magie Acer regundo 14 140 Healthy Retainable No No 62 T35 Manitoba Magie Acer regundo 20 203 Healthy Retainable No No 63 T29 Manitoba Magie Acer regundo 20 203 Healthy Retainable No No 64 T30 Manitoba Magie Acer regundo 16 155 Healthy Retainable No No 66 T24 Manitoba Magie Acer regundo 16 100 Healthy Retainable No No 68 T28 Manitoba Magie Acer regundo 18 100 Healthy Retainable No No 70 T27 Manitoba Magie Acer regundo 18 190 Healthy Retainable No No | 57 | T33 | Manitoba Maple | Acer negundo | 20 | 202 | Healthy | Retainable | No | No |
| 60 T32 Manitoba Mapie Acer negundo 22 217 Heatinty Retanable No No 62 T35 Manitoba Mapie Acer negundo 28 285 Heatinty Retanable No No 63 T29 Manitoba Mapie Acer negundo 20 203 Heatinty Retanable No No 64 T30 Manitoba Mapie Acer negundo 16 155 Heatinty Retanable No No 65 T-4 Manitoba Mapie Acer negundo 16 161 Heatinty Retanable No No 66 T24 Manitoba Mapie Acer negundo 16 180 Heatinty Retanable No No 67 T2 Manitoba Mapie Acer negundo 18 110 Heatinty Retanable No No 71 T26 Manitoba Mapie Acer negundo 27 275 Heatinty Retanable No No <td>58</td> <td>T34</td> <td>Manitoba Maple</td> <td>Acer negundo</td> <td></td> <td>375</td> <td>Healthy</td> <td>Retainable</td> <td>No</td> <td>No</td> | 58 | T34 | Manitoba Maple | Acer negundo | | 375 | Healthy | Retainable | No | No |
| 61 T31 Manicka Mapie Acer negundo 14 140 Heattry Retanable No No 62 T39 Manicka Mapie Acer negundo 28 285 Heattry Retanable No No 63 T39 Manicka Mapie Acer negundo 58 552 Poor Conflict Yes 65 Manicka Mapie Acer negundo 16 155 Healthy Retanable No No 66 T24 Manicka Mapie Acer negundo 16 160 Healthy Retanable No No 68 T28 Manicka Mapie Acer negundo 18 140 Healthy Retanable No No 70 T27 Manicka Mapie Acer negundo 18 Dead Retanable No No 71 T26 Manicka Mapie Acer negundo 29 283 Healthy Retanable No No No No <t< td=""><td>59</td><td></td><td>Manitoba Maple</td><td>Acer negundo</td><td>20</td><td></td><td>Dead</td><td>Retainable</td><td>No</td><td>No</td></t<> | 59 | | Manitoba Maple | Acer negundo | 20 | | Dead | Retainable | No | No |
| 62 T35 Manitoba Mapie Acer regurado 28 285 Healthy Retainable No No 64 T30 Manitoba Mapie Acer regurado 58 582 Poor Confiel Yes 66 Manitoba Mapie Acer regurado 28 280 Healthy Retainable No No 66 T24 Manitoba Mapie Acer regurado 16 160 Healthy Retainable No No 67 Manitoba Mapie Acer regurado 18 160 Healthy Retainable No No 68 T28 Manitoba Mapie Acer regurado 18 190 Healthy Retainable No No 70 T27 Manitoba Mapie Acer regurado 24 238 Healthy Retainable No No 73 T26 Manitoba Mapie Acer regurado 27 275 Healthy Retainable No No | 60 | T32 | Manitoba Maple | Acer negundo | 22 | 217 | Healthy | Retainable | No | No |
| 63 T29 Manitoba Mapic Acer regurdo 20 203 Healthy Retainable No No 64 T30 Manitoba Mapic Acer regurdo 16 155 Healthy Retainable No No 65 T-4 Manitoba Mapic Acer regurdo 16 150 Healthy Retainable No No 66 T-4 Manitoba Mapic Acer regurdo 16 160 Healthy Retainable No No 67 - Manitoba Mapic Acer regurdo 18 180 Healthy Retainable No No 70 T27 Manitoba Mapic Acer regurdo 18 - Dead Retainable No No 71 T28 Manitoba Mapic Acer regurdo 26 260 Healthy Retainable No No 73 T23 Manitoba Mapic Acer regurdo 27 275 Healthy Retainable No No N | 61 | T31 | Manitoba Maple | Acer negundo | 14 | 140 | Healthy | Retainable | No | No |
| 64 T30 Manitoba Maple Acer negundo 58 52 Poor Conflict Yes Yes 66 T24 Manitoba Maple Acer negundo 16 155 Healthy Retainable No No 67 Manitoba Maple Acer negundo 16 160 Healthy Retainable No No 68 T28 Manitoba Maple Acer negundo 18 180 Healthy Retainable No No 70 T27 Manitoba Maple Acer negundo 18 180 Healthy Retainable No No 71 T26 Manitoba Maple Acer negundo 24 280 Healthy Retainable No No 73 T23 Manitoba Maple Acer negundo 27 275 Healthy Retainable No No 74 T22 Manitoba Maple Acer negundo 27 275 Healthy Retainable No No | 62 | T35 | Manitoba Maple | Acer negundo | | 285 | Healthy | Retainable | No | No |
| 66 Manitoba Maple Acer regundo 16 155 Healthy Retainable No No 67 Manitoba Maple Acer regundo 16 160 Healthy Retainable No No 68 T28 Manitoba Maple Acer regundo 11 110 Healthy Retainable No No 69 Manitoba Maple Acer regundo 18 180 Healthy Retainable No No 70 T27 Manitoba Maple Acer regundo 19 190 Healthy Retainable No No 71 T26 Manitoba Maple Acer regundo 26 260 Healthy Retainable No No 73 T23 Manitoba Maple Acer regundo 17 167 Healthy Retainable No No 76 Manitoba Maple Acer regundo 17 167 Healthy Retainable No No <t< td=""><td>63</td><td>T29</td><td>Manitoba Maple</td><td>Acer negundo</td><td>20</td><td>203</td><td>Healthy</td><td>Retainable</td><td>No</td><td>No</td></t<> | 63 | T29 | Manitoba Maple | Acer negundo | 20 | 203 | Healthy | Retainable | No | No |
| 66 T24 Manitoba Maple Acer negundo 26 20 Healthy Relanable No No 67 Manitoba Maple Acer negundo 11 110 Healthy Relanable No No 68 T28 Manitoba Maple Acer negundo 18 180 Healthy Relanable No No 70 T27 Manitoba Maple Acer negundo 18 190 Healthy Relanable No No 71 T26 Manitoba Maple Acer negundo 24 238 Healthy Relanable No No 73 T22 Manitoba Maple Acer negundo 27 275 Healthy Relanable No No 74 T22 Manitoba Maple Acer negundo 27 275 Healthy Relanable No No 76 Manitoba Maple Acer negundo 25 262 Healthy Relanable No No | | T30 | Manitoba Maple | Acer negundo | | 582 | Poor | Conflict | Yes | Yes |
| 67 Manitoba Mapie Acer negundo 16 160 Healthy Retinable No No 68 Manitoba Mapie Acer negundo 18 180 Healthy Retinable No No 70 T27 Manitoba Mapie Acer negundo 18 180 Healthy Retinable No No 71 T26 Manitoba Mapie Acer negundo 24 238 Healthy Retinable No No 73 T23 Manitoba Mapie Acer negundo 27 275 Healthy Retinable No No 74 T22 Manitoba Mapie Acer negundo 27 275 Healthy Retinable No No 75 Manitoba Mapie Acer negundo 27 272 Healthy Retinable No No 76 Manitoba Mapie Acer negundo 28 282 Healthy Retinable No No | 65 | | Manitoba Maple | Acer negundo | 16 | 155 | Healthy | Retainable | No | No |
| 68 T28 Manitoba Maple Acer negundo 11 110 Healthy Retainable No No 70 T27 Manitoba Maple Acer negundo 18 180 Healthy Retainable No No 71 T26 Manitoba Maple Acer negundo 19 190 Healthy Retainable No No 72 T23 Manitoba Maple Acer negundo 26 260 Healthy Retainable No No 73 T23 Manitoba Maple Acer negundo 27 27 Healthy Retainable No No 76 Manitoba Maple Acer negundo 17 167 Healthy Retainable No No 77 Manitoba Maple Acer negundo 15 146 Healthy Retainable No No 78 Manitoba Maple Acer negundo 28 283 Healthy Retainable No No 79 Manitoba Maple Acer negundo 23 327 | 66 | T24 | Manitoba Maple | Acer negundo | 26 | 260 | Healthy | Retainable | No | No |
| 69 Manitoba Maple Acer negundo 18 180 Healthy Retainable No No 70 T27 Manitoba Maple Acer negundo 19 190 Healthy Retainable No No 71 T26 Manitoba Maple Acer negundo 24 238 Healthy Retainable No No 73 T23 Manitoba Maple Acer negundo 26 260 Healthy Retainable No No 74 T22 Manitoba Maple Acer negundo 27 275 Healthy Retainable No No 75 Manitoba Maple Acer negundo 27 272 Healthy Retainable No No 76 Manitoba Maple Acer negundo 27 272 Healthy Retainable No No 77 Manitoba Maple Acer negundo 26 282 Healthy Retainable No No 78 Manitoba Maple Acer negundo 28 283 Healthy Retainable No No 79 Manitoba Maple Acer negundo 28 283 Healthy | 67 | | Manitoba Maple | Acer negundo | 16 | 160 | Healthy | Retainable | No | No |
| 70 T27 Manitoba Maple Acer negundo 18 Dead Retainable No No 71 T26 Manitoba Maple Acer negundo 24 238 Healthy Retainable No No 73 T23 Manitoba Maple Acer negundo 27 275 Healthy Retainable No No 74 T22 Manitoba Maple Acer negundo 27 275 Healthy Retainable No No 75 Manitoba Maple Acer negundo 27 272 Healthy Retainable No No 76 Manitoba Maple Acer negundo 25 262 Healthy Retainable No No 77 Manitoba Maple Acer negundo 28 283 Healthy Retainable No No No 79 Manitoba Maple Acer negundo 28 283 Healthy Retainable No No No 81 Green Ash Fraxinus pennsylvaricia <td< td=""><td>68</td><td>T28</td><td>Manitoba Maple</td><td>Acer negundo</td><td>11</td><td>110</td><td>Healthy</td><td>Retainable</td><td>No</td><td>No</td></td<> | 68 | T28 | Manitoba Maple | Acer negundo | 11 | 110 | Healthy | Retainable | No | No |
| 71 T26 Manitoba Maple Acer negundo 19 190 Healthy Retainable No No 72 T25 Manitoba Maple Acer negundo 26 280 Healthy Retainable No No 74 T22 Manitoba Maple Acer negundo 27 275 Healthy Retainable No No 76 Manitoba Maple Acer negundo 17 167 Healthy Retainable No No 76 Manitoba Maple Acer negundo 26 262 Healthy Retainable No No No 77 Manitoba Maple Acer negundo 26 282 Healthy Retainable No No No 78 Manitoba Maple Acer negundo 28 283 Healthy Retainable No No No 80 Manitoba Maple Acer negundo 28 283 Healthy Retainable No No 81 Green Aptinoba Maple Acer n | 69 | | Manitoba Maple | Acer negundo | 18 | 180 | Healthy | Retainable | No | No |
| 72 T25 Manitoba Mapie Acer negundo 24 238 Heathy Retainable No No 73 T23 Manitoba Mapie Acer negundo 27 275 Heathy Retainable No No 75 Manitoba Mapie Acer negundo 17 167 Heathy Retainable No No 76 Manitoba Mapie Acer negundo 15 146 Heathy Retainable No No 77 Manitoba Mapie Acer negundo 26 262 Heathy Retainable No No 78 Manitoba Mapie Acer negundo 28 283 Heathy Retainable No No 80 Manitoba Mapie Acer negundo 23 231 Heathy Retainable No No 81 - Geren Ash Fraximis pensylvarica 30 300 Good Conflict No No 83 Manitoba Mapie Acer negundo 16 162 Heathy | | | Manitoba Maple | Acer negundo | | | Dead | Retainable | No | No |
| 73 T23 Manitoba Maple Acer negundo 26 200 Healthy Retainable No No 74 T22 Manitoba Maple Acer negundo 17 167 Healthy Retainable No No 75 Manitoba Maple Acer negundo 17 167 Healthy Retainable No Yes 76 Manitoba Maple Acer negundo 26 262 Healthy Retainable No No 78 Manitoba Maple Acer negundo 28 283 Healthy Retainable No No 80 Manitoba Maple Acer negundo 28 283 Healthy Retainable No No 81 Green Ash Frazimas pensylvanica 30 300 Good Conflict No No No 83 Manitoba Maple Acer negundo 23 231 Healthy Retainable No No 84 Manitoba Maple Acer negundo 16 162 | | | Manitoba Maple | | | | Healthy | Retainable | No | |
| 74 T22 Manitoba Maple Acer negundo 27 275 Healthy Retainable No No 75 Manitoba Maple Acer negundo 17 167 Healthy Retainable No No 76 Manitoba Maple Acer negundo 27 272 Healthy Retainable No No 77 Manitoba Maple Acer negundo 26 262 Healthy Retainable No No 78 Manitoba Maple Acer negundo 26 262 Healthy Retainable No No 80 Manitoba Maple Acer negundo 26 262 Healthy Retainable No No 81 - Green Ash Fraxinus pennsylvanica 30 300 Good Conflict No No No 83 - Manitoba Maple Acer negundo 23 231 Healthy Retainable No No 84 Manitoba Maple Acer negundo 16 162 <td></td> <td></td> <td>Manitoba Maple</td> <td>Acer negundo</td> <td></td> <td></td> <td>Healthy</td> <td>Retainable</td> <td>No</td> <td></td> | | | Manitoba Maple | Acer negundo | | | Healthy | Retainable | No | |
| 75Manitoba MapleAcer negundo17167HealthyRetainableNoNo76Manitoba MapleAcer negundo27272HealthyRetainableNoYes77Manitoba MapleAcer negundo15146HealthyRetainableNoNo78Manitoba MapleAcer negundo28283HealthyRetainableNoNo80Manitoba MapleAcer negundo33327HealthyRetainableNoNo81Green AshFraxinus pennsylvanica30300GoodConflictNoNo82Manitoba MapleAcer negundo26262HealthyRetainableNoNo83Manitoba MapleAcer negundo26255HealthyRetainableNoNo84Manitoba MapleAcer negundo16162HealthyRetainableNoNo85Manitoba MapleAcer negundo10102HealthyRetainableNoNo88Manitoba MapleAcer negundo11106HealthyRetainableNoNo89Manitoba MapleAcer negundo14135HealthyRetainableNoNo90Manitoba MapleAcer negundo10102HealthyRetainableNoNo90< | | T23 | Manitoba Maple | Acer negundo | | 260 | Healthy | Retainable | No | No |
| 76Manitoba MapleAcer negundo27272HealthyRetainableNoYes77Manitoba MapleAcer negundo15146HealthyRetainableNoNo78Manitoba MapleAcer negundo26262HealthyRetainableNoNo79Manitoba MapleAcer negundo28283HealthyRetainableNoNo80Manitoba MapleAcer negundo33327HealthyRetainableNoNo81Green AshFraxinus pennsylvarica30300GoodConflictNoNo82Manitoba MapleAcer negundo28281HealthyRetainableNoNo83Manitoba MapleAcer negundo28282HealthyRetainableNoNo84Manitoba MapleAcer negundo28283HealthyRetainableNoNo86Manitoba MapleAcer negundo28255HealthyRetainableNoNo88Manitoba MapleAcer negundo16162HealthyRetainableNoNo89Manitoba MapleAcer negundo11106HealthyRetainableNoNo90Manitoba MapleAcer negundo14135HealthyRetainableNoNo90< | | T22 | Manitoba Maple | Acer negundo | | | Healthy | Retainable | No | |
| 77Manitoba MapleAcer negundo15146HealthyRetainableNoNo78Manitoba MapleAcer negundo26262HealthyRetainableNoNo79Manitoba MapleAcer negundo28283HealthyRetainableNoNo80Manitoba MapleAcer negundo33327HealthyRetainableNoNo81Green AshFraxinus pennsylvarica30300GoodConflictNoNo82Manitoba MapleAcer negundo26262HealthyRetainableNoNo83Manitoba MapleAcer negundo26255HealthyRetainableNoNo84Manitoba MapleAcer negundo16162HealthyRetainableNoNo85Manitoba MapleAcer negundo10102HealthyRetainableNoNo88Manitoba MapleAcer negundo11106HealthyRetainableNoNo89Manitoba MapleAcer negundo14135HealthyRetainableNoNo90Manitoba MapleAcer negundo14135HealthyRetainableNoNo91Manitoba MapleAcer negundo14135HealthyRetainableNoNo92 </td <td></td> <td></td> <td>Manitoba Maple</td> <td>Acer negundo</td> <td></td> <td></td> <td>Healthy</td> <td>Retainable</td> <td>No</td> <td>No</td> | | | Manitoba Maple | Acer negundo | | | Healthy | Retainable | No | No |
| 78Manitoba MapleAcer negundo26262HealthyRetainableNoNo79Manitoba MapleAcer negundo28283HealthyRetainableNoNo80Manitoba MapleAcer negundo33327HealthyRetainableNoNo81Green AshFraxinus pennsylvanica30300GoodConflictNoNo82Manitoba MapleAcer negundo23231HealthyRetainableNoNo83Manitoba MapleAcer negundo26255HealthyRetainableNoNo84Manitoba MapleAcer negundo16162HealthyRetainableNoNo86Manitoba MapleAcer negundo16162HealthyRetainableNoNo87Manitoba MapleAcer negundo11106HealthyRetainableNoNo88Manitoba MapleAcer negundo14135HealthyRetainableNoNo90Manitoba MapleAcer negundo17166HealthyRetainableNoNo91Manitoba MapleAcer negundo16155HealthyRetainableNoNo93Manitoba MapleAcer negundo17166HealthyRetainableNoNo93 </td <td></td> <td></td> <td>Manitoba Maple</td> <td>Acer negundo</td> <td></td> <td></td> <td>Healthy</td> <td>Retainable</td> <td>No</td> <td>Yes</td> | | | Manitoba Maple | Acer negundo | | | Healthy | Retainable | No | Yes |
| 79Manitoba MapleAcer negundo28283HealthyRetainableNoNo80Manitoba MapleAcer negundo33327HealthyRetainableNoNo81Green AshFraxinus pennsylvarica30300GoodConflictNoNo82Manitoba MapleAcer negundo26262HealthyRetainableNoNo83Manitoba MapleAcer negundo23231HealthyRetainableNoNo84Manitoba MapleAcer negundo18182HealthyRetainableNoNo85Manitoba MapleAcer negundo16162HealthyRetainableNoNo86Manitoba MapleAcer negundo10102HealthyRetainableNoNo87Manitoba MapleAcer negundo11106HealthyRetainableNoNo88Manitoba MapleAcer negundo14135HealthyRetainableNoNo90Manitoba MapleAcer negundo10100HealthyRetainableNoNo91Manitoba MapleAcer negundo11106HealthyRetainableNoNo92Manitoba MapleAcer negundo17166HealthyRetainableNoNo93 </td <td></td> <td></td> <td>Manitoba Maple</td> <td>Acer negundo</td> <td></td> <td>146</td> <td>Healthy</td> <td>Retainable</td> <td>No</td> <td>No</td> | | | Manitoba Maple | Acer negundo | | 146 | Healthy | Retainable | No | No |
| 80Manitoba MapleAcer negundo33327HealthyRetainableNoNo81Green AshFraxinus pennsylvanica30300GoodConflictNoNo82Manitoba MapleAcer negundo26262HealthyRetainableNoNo83Manitoba MapleAcer negundo23231HealthyRetainableNoNo84Manitoba MapleAcer negundo26255HealthyRetainableNoNo85Manitoba MapleAcer negundo16162HealthyRetainableNoNo86Manitoba MapleAcer negundo10102HealthyRetainableNoNo87Manitoba MapleAcer negundo11106HealthyRetainableNoNo88Manitoba MapleAcer negundo14135HealthyRetainableNoNo90Manitoba MapleAcer negundo17166HealthyRetainableNoNo91Manitoba MapleAcer negundo10100HealthyRetainableNoNo93Manitoba MapleAcer negundo17166HealthyRetainableNoNo93Manitoba MapleAcer negundo11110GoodRetainableNoNo94 | | | Manitoba Maple | Acer negundo | | | Healthy | Retainable | No | |
| 81Green AshFraxinus pennsylvanica30300GoodConflictNoNo82Manitoba MapleAccr negundo26262HealthyRetainableNoNo83Manitoba MapleAccr negundo23231HealthyRetainableNoNo84Manitoba MapleAccr negundo18182HealthyRetainableNoNo85Manitoba MapleAccr negundo26255HealthyRetainableNoNo86Manitoba MapleAccr negundo16162HealthyRetainableNoNo87Manitoba MapleAccr negundo10102HealthyRetainableNoNo88Manitoba MapleAccr negundo11106HealthyRetainableNoNo89Manitoba MapleAccr negundo14135HealthyRetainableNoNo90Manitoba MapleAccr negundo17166HealthyRetainableNoNo91Manitoba MapleAccr negundo16155HealthyRetainableNoNo92Manitoba MapleAccr negundo10100HealthyRetainableNoNo93Manitoba MapleAccr negundo11100GoodRetainableNoNo94 | | | Manitoba Maple | Acer negundo | | | Healthy | Retainable | No | |
| 82Manitoba MapleAcer negundo26262HealthyRetainableNoNo83Manitoba MapleAcer negundo23231HealthyRetainableNoNo84Manitoba MapleAcer negundo18182HealthyRetainableNoNo85Manitoba MapleAcer negundo26255HealthyRetainableNoNo86Manitoba MapleAcer negundo10102HealthyRetainableNoNo87Manitoba MapleAcer negundo10102HealthyRetainableNoNo88Manitoba MapleAcer negundo11106HealthyRetainableNoNo89Manitoba MapleAcer negundo14135HealthyRetainableNoNo90Manitoba MapleAcer negundo10100HealthyRetainableNoNo91Manitoba MapleAcer negundo14135HealthyRetainableNoNo92Manitoba MapleAcer negundo10100HealthyRetainableNoNo93Manitoba MapleAcer negundo11100HealthyRetainableNoNo94Manitoba MapleAcer negundo11110GoodRetainableNoNo94 | | | Manitoba Maple | Acer negundo | | | Healthy | Retainable | No | |
| 83Manitoba MapleAcer negundo23231HeatthyRetainableNoNo84Manitoba MapleAcer negundo18182HeatthyRetainableNoNo85Manitoba MapleAcer negundo26255HealthyRetainableNoNo86Manitoba MapleAcer negundo16162HealthyRetainableNoNo87Manitoba MapleAcer negundo10102HealthyRetainableNoNo88Manitoba MapleAcer negundo11106HealthyRetainableNoNo89Manitoba MapleAcer negundo14135HealthyRetainableNoNo90Manitoba MapleAcer negundo17166HealthyRetainableNoNo91Manitoba MapleAcer negundo10100HealthyRetainableNoNo92Manitoba MapleAcer negundo17166HealthyRetainableNoNo93Manitoba MapleAcer negundo16155HealthyRetainableNoNo94Manitoba MapleAcer negundo16155HealthyRetainableNoNo95Manitoba MapleAcer negundo11110GoodRetainableNoNo95 | | | Green Ash | Fraxinus pennsylvanica | | 300 | Good | Conflict | No | No |
| 84Manitoba MapleAcer negundo18182HealthyRetainableNoNo85Manitoba MapleAcer negundo26255HealthyRetainableNoNo86Manitoba MapleAcer negundo16162HealthyRetainableNoNo87Manitoba MapleAcer negundo10102HealthyRetainableNoNo88Manitoba MapleAcer negundo11106HealthyRetainableNoNo89Manitoba MapleAcer negundo14135HealthyRetainableNoNo90Manitoba MapleAcer negundo50498HealthyRetainableNoNo91Manitoba MapleAcer negundo17166HealthyRetainableNoNo92Manitoba MapleAcer negundo10100HealthyRetainableNoNo93Manitoba MapleAcer negundo16155HealthyRetainableNoNo94Manitoba MapleAcer negundo11110GoodRetainableNoNo95Manitoba MapleAcer negundo11110GoodRetainableNoNo95Manitoba MapleAcer negundo11110GoodRetainableNoNo96Ma | | | Manitoba Maple | Acer negundo | | | Healthy | Retainable | | |
| 85Manitoba MapleAcer negundo26255HealthyRetainableNoNo86Manitoba MapleAcer negundo16162HealthyRetainableNoNo87Manitoba MapleAcer negundo10102HealthyRetainableNoNo88Manitoba MapleAcer negundo11106HealthyRetainableNoNo89Manitoba MapleAcer negundo14135HealthyRetainableNoYes90Manitoba MapleAcer negundo14135HealthyRetainableNoNo91Manitoba MapleAcer negundo10100HealthyRetainableNoNo92Manitoba MapleAcer negundo10100HealthyRetainableNoNo93Manitoba MapleAcer negundo16155HealthyRetainableNoNo94Manitoba MapleAcer negundo11100HealthyRetainableNoNo95Manitoba MapleAcer negundo11110GoodRetainableNoNo96Manitoba MapleAcer negundo11110GoodRetainableNoNo98Manitoba MapleAcer negundo11110GoodRetainableNoNo97M | 83 | | Manitoba Maple | Acer negundo | | 231 | Healthy | Retainable | No | No |
| 86Manitoba MapleAcer negundo16162HealthyRetainableNoNo87Manitoba MapleAcer negundo10102HealthyRetainableNoNo88Manitoba MapleAcer negundo11106HealthyRetainableNoNo89Manitoba MapleAcer negundo48476HealthyRetainableNoNo90Manitoba MapleAcer negundo14135HealthyRetainableNoNo91Manitoba MapleAcer negundo50498HealthyRetainableNoNo92Manitoba MapleAcer negundo17166HealthyRetainableNoNo93Manitoba MapleAcer negundo16155HealthyRetainableNoNo94Manitoba MapleAcer negundo11100HealthyRetainableNoNo95Manitoba MapleAcer negundo11110GoodRetainableNoNo96Manitoba MapleAcer negundo11110GoodRetainableNoNo98Manitoba MapleAcer negundo12120PoorRetainableNoNo99Manitoba MapleAcer negundo12120PoorRetainableNoNo99Manit | 84 | | Manitoba Maple | Acer negundo | 18 | 182 | Healthy | Retainable | No | No |
| 87Manitoba MapleAcer negundo10102HealthyRetainableNoNo88Manitoba MapleAcer negundo11106HealthyRetainableNoNo89Manitoba MapleAcer negundo48476HealthyRetainableNoYes90Manitoba MapleAcer negundo14135HealthyRetainableNoNo91Manitoba MapleAcer negundo50498HealthyRetainableNoNo92Manitoba MapleAcer negundo17166HealthyRetainableNoNo93Manitoba MapleAcer negundo16155HealthyRetainableNoNo94Manitoba MapleAcer negundo11110GoodRetainableNoNo95Manitoba MapleAcer negundo11110GoodRetainableNoNo96Manitoba MapleAcer negundo11110GoodRetainableNoNo97Manitoba MapleAcer negundo12120PoorRetainableNoNo98Manitoba MapleAcer negundo12120PoorRetainableNoNo98Manitoba MapleAcer negundo12120PoorRetainableNoNo99Manitoba M | 85 | | Manitoba Maple | Acer negundo | 26 | 255 | Healthy | Retainable | No | No |
| 88Manitoba MapleAcer negundo11106HealthyRetainableNoNo89Manitoba MapleAcer negundo48476HealthyRetainableNoYes90Manitoba MapleAcer negundo14135HealthyRetainableNoNo91Manitoba MapleAcer negundo50498HealthyRetainableYesNo92Manitoba MapleAcer negundo17166HealthyRetainableNoNo93Manitoba MapleAcer negundo10100HealthyRetainableNoNo94Manitoba MapleAcer negundo16155HealthyRetainableNoNo95Manitoba MapleAcer negundo11110GoodRetainableNoNo96Manitoba MapleAcer negundo11110GoodRetainableNoNo96Manitoba MapleAcer negundo11110GoodRetainableNoNo97Manitoba MapleAcer negundo12120PoorRetainableNoNo98Manitoba MapleAcer negundo12120PoorRetainableNoNo99Manitoba MapleAcer negundo20198GoodRetainableNoNo99Manitoba | | | Manitoba Maple | Acer negundo | 16 | 162 | Healthy | Retainable | No | No |
| 89Manitoba MapleAcer negundo48476HealthyRetainableNoYes90Manitoba MapleAcer negundo14135HealthyRetainableNoNo91Manitoba MapleAcer negundo50498HealthyRetainableYesNo92Manitoba MapleAcer negundo17166HealthyRetainableNoNo93Manitoba MapleAcer negundo10100HealthyRetainableNoNo94Manitoba MapleAcer negundo16155HealthyRetainableNoNo95Manitoba MapleAcer negundo11110GoodRetainableNoNo96Manitoba MapleAcer negundo11110GoodRetainableNoNo97Manitoba MapleAcer negundo11110GoodRetainableNoNo98Manitoba MapleAcer negundo12120PoorRetainableNoNo99Manitoba MapleAcer negundo20202HealthyRetainableNoNo100Manitoba MapleAcer negundo12120PoorRetainableNoNo101Green AshFraxinus pennsylvanica16160PoorRetainableNoNo101G | 87 | | Manitoba Maple | Acer negundo | 10 | 102 | Healthy | Retainable | No | No |
| 90Manitoba MapleAcer negundo14135HealthyRetainableNoNo91Manitoba MapleAcer negundo50498HealthyRetainableYesNo92Manitoba MapleAcer negundo17166HealthyRetainableNoNo93Manitoba MapleAcer negundo10100HealthyRetainableNoNo94Manitoba MapleAcer negundo16155HealthyRetainableNoNo95Manitoba MapleAcer negundo19190HealthyRetainableNoNo96Manitoba MapleAcer negundo11110GoodRetainableNoNo97Manitoba MapleAcer negundo11110GoodRetainableNoNo98Manitoba MapleAcer negundo12120PoorRetainableNoNo99Manitoba MapleAcer negundo20202HealthyRetainableNoNo100Manitoba MapleAcer negundo12120PoorRetainableNoNo99Manitoba MapleAcer negundo20202HealthyRetainableNoNo100Green AshFraxinus pennsylvanica16160PoorRetainableNoNo102 <td< td=""><td>88</td><td></td><td>Manitoba Maple</td><td>Acer negundo</td><td>11</td><td>106</td><td>Healthy</td><td>Retainable</td><td>No</td><td>No</td></td<> | 88 | | Manitoba Maple | Acer negundo | 11 | 106 | Healthy | Retainable | No | No |
| 91Manitoba MapleAcer negundo50498HealthyRetainableYesNo92Manitoba MapleAcer negundo17166HealthyRetainableNoNo93Manitoba MapleAcer negundo10100HealthyRetainableNoNo94Manitoba MapleAcer negundo16155HealthyRetainableNoNo95Manitoba MapleAcer negundo19190HealthyRetainableNoNo96Manitoba MapleAcer negundo11110GoodRetainableNoNo97Manitoba MapleAcer negundo11110GoodRetainableNoNo98Manitoba MapleAcer negundo12120PoorRetainableNoNo99Manitoba MapleAcer negundo12120PoorRetainableNoNo100Green AshFraxinus pennsylvanica16160PoorRetainableNoNo101Green AshFraxinus pennsylvanica16160PoorRetainableNoNo102Green AshFraxinus pennsylvanica11110PoorRetainableNoNo102Green AshFraxinus pennsylvanica11110PoorRetainableNoNo | 89 | | Manitoba Maple | Acer negundo | 48 | 476 | Healthy | Retainable | No | Yes |
| 92Manitoba MapleAcer negundo17166HealthyRetainableNoNo93Manitoba MapleAcer negundo10100HealthyRetainableNoNo94Manitoba MapleAcer negundo16155HealthyRetainableNoNo95Manitoba MapleAcer negundo19190HealthyRetainableNoNo96Manitoba MapleAcer negundo11110GoodRetainableNoNo97Manitoba MapleAcer negundo11110GoodRetainableNoNo98Manitoba MapleAcer negundo20198GoodRetainableNoNo99Manitoba MapleAcer negundo12120PoorRetainableNoNo100Manitoba MapleAcer negundo20202HealthyRetainableNoNo101Green AshFraxinus pennsylvanica16160PoorRetainableNoNo102Green AshFraxinus pennsylvanica11110PoorRetainableNoNo | 90 | | Manitoba Maple | Acer negundo | 14 | 135 | Healthy | Retainable | No | No |
| 93Manitoba MapleAcer negundo10100HealthyRetainableNoNo94Manitoba MapleAcer negundo16155HealthyRetainableNoNo95Manitoba MapleAcer negundo19190HealthyRetainableNoNo96Manitoba MapleAcer negundo11110GoodRetainableNoNo97Manitoba MapleAcer negundo11110GoodRetainableNoNo98Manitoba MapleAcer negundo20198GoodRetainableNoNo99Manitoba MapleAcer negundo12120PoorRetainableNoNo100Manitoba MapleAcer negundo20202HealthyRetainableNoNo101Green AshFraxinus pennsylvanica16160PoorRetainableNoNo102Green AshFraxinus pennsylvanica11110PoorRetainableNoNo | 91 | | Manitoba Maple | Acer negundo | 50 | 498 | Healthy | Retainable | Yes | No |
| 94Manitoba MapleAcer negundo16155HealthyRetainableNoNo95Manitoba MapleAcer negundo19190HealthyRetainableNoNo96Manitoba MapleAcer negundo11110GoodRetainableNoNo97Manitoba MapleAcer negundo11110GoodRetainableNoNo98Manitoba MapleAcer negundo20198GoodRetainableNoNo99Manitoba MapleAcer negundo12120PoorRetainableNoNo100Manitoba MapleAcer negundo20202HealthyRetainableNoNo101Green AshFraxinus pennsylvanica16160PoorRetainableNoNo102Green AshFraxinus pennsylvanica11110PoorRetainableNoNo | 92 | | Manitoba Maple | Acer negundo | 17 | 166 | Healthy | Retainable | No | No |
| 95Manitoba MapleAcer negundo19190HealthyRetainableNoNo96Manitoba MapleAcer negundo11110GoodRetainableNoNo97Manitoba MapleAcer negundo11110GoodRetainableNoNo98Manitoba MapleAcer negundo20198GoodRetainableNoNo99Manitoba MapleAcer negundo12120PoorRetainableNoNo100Manitoba MapleAcer negundo20202HealthyRetainableNoNo101Green AshFraxinus pennsylvanica16160PoorRetainableNoNo102Green AshFraxinus pennsylvanica11110PoorRetainableNoNo | | | Manitoba Maple | Acer negundo | 10 | 100 | Healthy | Retainable | No | No |
| 96Manitoba MapleAcer negundo11110GoodRetainableNoNo97Manitoba MapleAcer negundo11110GoodRetainableNoNo98Manitoba MapleAcer negundo20198GoodRetainableNoNo99Manitoba MapleAcer negundo12120PoorRetainableNoNo100Manitoba MapleAcer negundo20202HealthyRetainableNoNo101Green AshFraxinus pennsylvanica16160PoorRetainableNoNo102Green AshFraxinus pennsylvanica11110PoorRetainableNoNo | | | Manitoba Maple | Acer negundo | 16 | 155 | Healthy | Retainable | No | No |
| 97Manitoba MapleAcer negundo11110GoodRetainableNoNo98Manitoba MapleAcer negundo20198GoodRetainableNoNo99Manitoba MapleAcer negundo12120PoorRetainableNoNo100Manitoba MapleAcer negundo20202HealthyRetainableNoNo101Green AshFraxinus pennsylvanica16160PoorRetainableNoNo102Green AshFraxinus pennsylvanica11110PoorRetainableNoNo | | | | - | | | | | | |
| 98Manitoba MapleAcer negundo20198GoodRetainableNoNo99Manitoba MapleAcer negundo12120PoorRetainableNoNo100Manitoba MapleAcer negundo20202HealthyRetainableNoNo101Green AshFraxinus pennsylvanica16160PoorRetainableNoNo102Green AshFraxinus pennsylvanica11110PoorRetainableNoNo | | | | | | | | | | |
| 99Manitoba MapleAcer negundo12120PoorRetainableNoNo100Manitoba MapleAcer negundo20202HealthyRetainableNoNo101Green AshFraxinus pennsylvanica16160PoorRetainableNoNo102Green AshFraxinus pennsylvanica11110PoorRetainableNoNo | | | | U U | | | | | | |
| 100Manitoba MapleAcer negundo20202HealthyRetainableNoNo101Green AshFraxinus pennsylvanica16160PoorRetainableNoNo102Green AshFraxinus pennsylvanica11110PoorRetainableNoNo | | | Manitoba Maple | Acer negundo | | | | | | |
| 101Green AshFraxinus pennsylvanica16160PoorRetainableNoNo102Green AshFraxinus pennsylvanica11110PoorRetainableNoNo | | | | • | | | | | | |
| 102 Green Ash Fraxinus pennsylvanica 11 110 Poor Retainable No No | | | Manitoba Maple | Acer negundo | | | Healthy | Retainable | | |
| | | | Green Ash | Fraxinus pennsylvanica | | | | Retainable | | |
| 103 Green Ash Fraxinus pennsylvanica 11 110 Poor Retainable No No | | | | | | | | | | |
| | 103 | | Green Ash | Fraxinus pennsylvanica | 11 | 110 | Poor | Retainable | No | No |

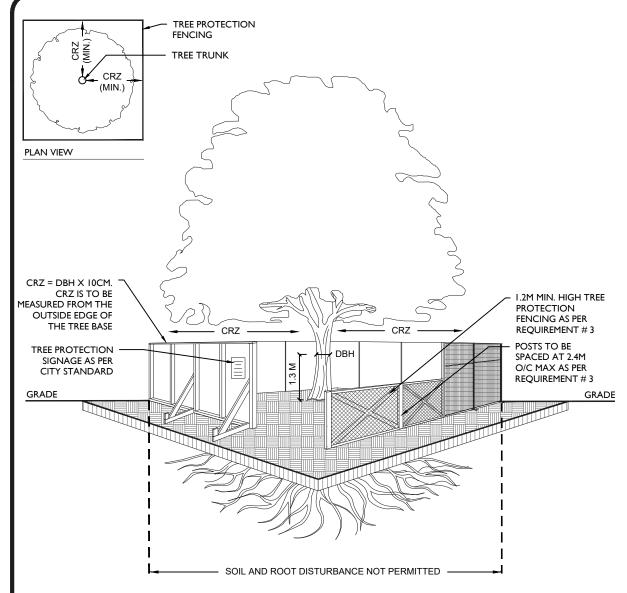
TABLE C.1 TREE INVENTORY

| Tree Number GEMTEC | Tree Number JD Barnes | Common Name | Scientific Name | Diameter (cm DBH) | Critical Root Zone (cm) | Condition | Retainable or Conflict | Signficant Tree (> 50 cm) | Wildlife Tree |
|-----------------------|--------------------------|--------------------|------------------------|-------------------|----------------------------|-----------|---------------------------|------------------------------|---------------|
| 104 | | Green Ash | Fraxinus pennsylvanica | 15 | 152 | Healthy | Retainable | No | No |
| 105 | | Bur Oak | Quercus macrocarpa | 39 | 385 | Healthy | Retainable | No | No |
| 106 | | Manitoba Maple | Acer negundo | 73 | 731 | Healthy | Retainable | Yes | Yes |
| 107 | | American Elm | Ulmus americana | 40 | 400 | Healthy | Retainable | No | No |
| 108 | | Black Walnut | Juglans nigra | 31 | 315 | Healthy | Retainable | No | No |
| 109 | | Black Walnut | Juglans nigra | 30 | 298 | Healthy | Retainable | No | No |
| 110 | | Black Walnut | Juglans nigra | 24 | 243 | Healthy | Retainable | No | No |
| 111 | | Black Walnut | Juglans nigra | 28 | 275 | Healthy | Retainable | No | No |
| 112 | | Manitoba Maple | Acer negundo | 12 | 123 | Healthy | Retainable | No | No |
| 113 | | Eastern White Pine | Strobus pinus | 40 | 395 | Healthy | Retainable | No | No |
| | T4 | | | 10 | 100 | ' | Retainable | | |
| | T18 | | | 10 | 100 | | Conflict | | |
| | T20 | | | 10 | 100 | | Conflict | | |
| | T21 | | | 10 | 100 | | Retainable | | |
| | T38 | | | 10 | 100 | | Conflict | | |
| | T39 | | | 10 | 100 | | Retainable | | |
| | T40 | | | 10 | 100 | | Conflict | | |



APPENDIX D

City of Ottawa Tree Protection



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.

ACCESSIBLE FORMATS AND COMMUNICATION SUPPORTS ARE AVAILABLE, UPON REQUEST



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 |



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