



MEMO

TO: Mark Richardson, Forester (City of Ottawa)

CC: Sameer Gulamani, Bayview Hospitality Group, Dennis Jacobs, Momentum Planning and Communications, Lisa Stern, Planner (City of Ottawa)

FROM: Andrea Orr, Terrestrial Ecologist (WSP)

SUBJECT: 6301 – 6475 Campeau Drive Residential Development - Tree Conservation Report Addendum, Proposed Impacts to City-owned Trees

DATE: November 4, 2021

INTRODUCTION

WSP Canada Inc. (WSP) was retained by Bayview Hospitality Group to conduct an additional Tree Inventory for the proposed residential development at 6301 – 6475 Campeau Drive in Kanata, Ontario. (**Figures 2 and 3**).

An update to the Tree Conservation Report (WSP, 2020) was requested by the City of Ottawa's Forestry Department due to the adjacency of Bill Teron Park to the proposed development. The southern portion of the property line abuts the natural park, which is comprised of a mixed forest with an abundance of mature trees. To maintain protection of City-owned trees, an additional tree inventory was requested in order to **define the limits of site disturbance to the park and account for City / Park trees with a Critical Root Zone (CRZ), or tree crown that extends onto the development site**. It is anticipated that such City-owned trees may be impacted by the proposed development.

This addendum will also address outstanding comments from Mark Richardson (Forester, City of Ottawa) sent by email communication from Lisa Stern (Planner, City of Ottawa) on August 5, 2021.

METHODS

Following the City of Ottawa's *Tree Conservation Report Guidelines* (City of Ottawa, 2019), as well as the City's *Tree Protection Bylaw* (City of Ottawa, 2021), an additional tree inventory of City-owned trees was completed on September 1 and 2, 2021. The inventory focused on the parcel of land owned by the City of Ottawa and designated as Bill Teron Park along the southern edge of the property, extending approximately 30 metres (m) south; as well as between 6475 Campeau Drive (Parcel 1) and 6301 Campeau Drive (Parcel 2). The area between 6475 Campeau Drive (Parcel 1) and 6301 Campeau Drive (Parcel 2) shall remain undisturbed to allow for pedestrian access to the adjacent park lands.

Trees inventoried were those that are considered valued trees (i.e., native species and in a healthy state) and occurred as > 30 cm diameter at breast height (DBH) or healthy specimens that may be < 30 cm DBH but offer diversity and tree canopy to park lands. Decaying or unhealthy trees were also considered and inventoried if present. Trees were targeted based on their adjacency to the southern property's disturbance limit and those trees in which the canopy / CRZ overlapped with the proposed development site located at 6301 – 6475 Campeau Drive.

Each tree assessment recorded the following: species, DBH, health condition (i.e., trunk integrity, canopy structure, canopy vigour), UTM coordinate, and any other defects. Each tree recorded also received a tree-tag with a unique identification number. Tree tagging was completed to ensure City-owned trees anticipated to be impacted from construction works can be accurately located at the time of fence demarcation and installment when defining limits of site disturbance.

Such surveys were conducted by an approved professional as outlined in the City guidelines.

RESULTS

OVERALL SUMMARY

A total of 268 individuals, representing nineteen (19) species of trees were recorded along the private property limits and City-owned lands. The majority were in overall good health and are considered relatively common throughout Ontario. Three Butternut (*Juglans cinerea*) trees (designated as Endangered in Ontario) previously assessed by WSP (2020) were accounted for and have been included in the Attachments (**Table 2** and **Figures 2 and 3**) for reference.

A total of 106 Distinctive trees (i.e., ≥ 30 cm DBH) were recorded from the southern property boundary of 6301 – 6475 Campeau Drive, extending approximately 30 m south (into City-owned lands), as well as the area between 6475 Campeau Drive (Parcel 1) and 6301 Campeau Drive (Parcel 2), and were comprised of fifteen (15) species. Eastern white pine (*Pinus strobus*) and Sugar maple (*Acer saccharum*) were the most abundant Distinctive tree, followed by Red maple (*Acer rubrum*) and Bur oak (*Quercus macrocarpa*).

The Distinctive trees are highlighted in blue in **Attachment 1, Table 2** along with a detailed tree inventory list, including tree species, DBH, health conditions, and UTM coordinates for each tree assessed.

TREE IMPACT ASSESSMENT

In order to assess the impacts to City-owned trees, a 5 m buffer width was applied to the southern limit of excavation (as shown on **Figures 2 and 3**) and thus, represents the limit of disturbance. It is expected that a 5 m buffer width is a distance required to accommodate the construction activities of blasting. Also, a CRZ was applied to each tree based on individual DBH. The CRZ distance was calculated based on the Tree Protection By-law; “10 cm from the trunk of a tree for every cm of trunk diameter” (City of Ottawa, 2021).

Based on the tree inventory and limit of disturbance, it was determined that a total of ten (10) City-owned trees adjacent to 6301 Campeau Drive (Parcel 2, Phase 1) will be impacted, either directly to the entire tree (removed) or through encroachment into the CRZ (harmed). No City-owned trees are expected to be removed and/or harmed within 6475 Campeau Drive (Parcel 1, Phase 2) or within the center strip between 6301 and 6475 Campeau Drive. **Figures 3 and 4** (attached) shows the location of the City-owned trees and the associated CRZ of each individual tree that overlaps the 5



m limit of disturbance. Only City-owned trees to be impacted (removed and/or harmed) have been displayed on the figures. **Table 1** below outlines the 6301 Campeau Drive trees anticipated to be removed and/or harmed as a result of the project.

Table 1: City-owned trees proposed for removal and/or harm for 6301 Campeau Drive

| Tree ID | Common Name | Scientific Name | DBH | Overall condition | Eastings | Northing | Notes |
|---------|-------------------|--------------------------|-----|-------------------|----------|----------|-----------------------------------|
| 2 | Black cherry | <i>Prunus serotina</i> | 41 | good | 429044 | 5018249 | |
| 15 | Ironwood | <i>Ostrya virginiana</i> | 18 | good | 429033 | 5018249 | |
| 16 | Sugar maple | <i>Acer saccharum</i> | 14 | good | 429037 | 5018250 | |
| 18 | American elm | <i>Ulmus americana</i> | 28 | good | 429029 | 5018250 | |
| 46 | American basswood | <i>Tilia americana</i> | 37 | good | 429020 | 5018252 | |
| 47 | Sugar maple | <i>Acer saccharum</i> | 29 | good | 429024 | 5018249 | Elm growing out of base, 10cm dbh |
| 48 | Sugar maple | <i>Acer saccharum</i> | 24 | good | 429022 | 5018249 | |
| 49 | Sugar maple | <i>Acer saccharum</i> | 26 | good | 429032 | 5018253 | |
| 56 | Sugar maple | <i>Acer saccharum</i> | 25 | good | 429012 | 5018248 | |
| BN19 | Butternut | <i>Juglans cinerea</i> | 80 | fair | 429013 | 5018245 | Category 1 health, non-retainable |

JUSTIFICATION FOR REMOVAL/HARM TO CITY-OWNED TREES

Bayview Hospitality Group is requesting a Tree Cut Permit from the City of Ottawa to remove and/or harm ten (10) City-owned trees in order to accommodate the residential development at 6301 Campeau Drive for Phase 1 of the project (i.e., Parcel 2).

The trees needing to be removed are based on the following rationale:

- A 5 m distance from the edge of excavation south to the City property has been applied to facilitate construction works of blasting. A 5 m buffer width is a required distance needed for worker health and safety, equipment access, and indirect impacts from blasting.
- The 5 m buffer width will allow access for an excavator at the southern edge of Parcel 2 and adequate space to place blasting mats. It also allows for enough space / setback to tolerate movement of the mats when blasting occurs. A typical blasting mat is 5 m long and therefore, the limit of disturbance (5 m) is required to minimize any additional blasting impacts on City-owned trees during the construction.
- The 5 m buffer width also is required to set the drill rig on the high part of the cut on a relatively flat surface. Drill rigs are often mounted on a track. Therefore, the 5 m setback is recommended to accommodate such a situation.

ADDITIONAL CITY OF OTTAWA COMMENTS

The following addresses the additional comments sent by email communication from the City of Ottawa to Bayview Hospitality Group and WSP on August 5, 2021.

- 6) Hazard and poor health trees in the undisturbed area will also be identified during the visit and will be included in the future tree permit.

WSP Response: *No hazard or poor health trees were identified within the undisturbed areas and the center strip (between 6301 and 6475 Campeau Drive) was composed of shrub species < 10 cm DBH.*

- 7) Erect a fence defining the cut versus retained areas based on the next sit visit.

WSP Response: *Fence to be erected as part of the site preparation for construction and prior to the removal of any tree.*

- 8) Confirm the width of the tree retention strip on the western property line shared with the retirement residence.

WSP Response: *As shown on **Figure 2**, approximate 4.8 m is the width of the tree retention strip.*

CONCLUSION AND RECOMMENDATIONS

To summarize, a tree inventory survey was completed on September 1 and 2, 2021 at the 6301 – 6475 Campeau Drive residential development site to identify City-owned trees that may be impacted from the proposed works. Ten (10) city-owned trees are anticipated to be removed and/or harmed adjacent to 6301 Campeau Drive (Parcel 2, Phase 1) of the project. No City-owned trees on 6475 Campeau Drive (Parcel 1, Phase 2) are anticipated to be removed and/or harmed.

A site visit should be scheduled prior to tree clearing in order to install Tree Protection Fencing and to flag / stake the limit of clearing (i.e., 5 m buffer width) and to identify the ten (10) City-owned trees anticipated to be removed and/or harmed, or any other valued City-owned trees that may be impacted from construction works.

A follow-up site visit should be completed to adjust the limit of clearing to accommodate those specific trees that warrant protection. Those in attendance of the site visit should be those professionals who can address the design and grading constraints, City Forester, and the contractor conducting the tree clearing. Each tree along the southern boundary and the area between 6301 and 6475 Campeau Drive will be assessed to confirm whether the tree will need to be removed or can be retained.

Should you have any questions, or wish to discuss further, please contact the undersigned.

Prepared By:



Andrea Orr

Terrestrial Ecologist, Ecology and EIA

Attachments

Attachment 1: Table 2 – 6301 – 6475 Campeau Drive (City-owned trees) Tree Inventory Results

Attachment 2: Figures 2, 3, and 4 – City-owned Tree Inventory Locations and Impact Assessment



REFERENCES

- City of Ottawa. 2003. Retrieved 2021, from Official Plan and master plans:
<https://ottawa.ca/en/business/planning-and-development/official-plan-and-master-plans>
- City of Ottawa. 2019. *Tree Conservation Report Guidelines*. <https://ottawa.ca/en/residents/water-and-environment/trees-and-community-forests/tree-protection#tree-conservation-report-guidelines>
- City of Ottawa. 2021. *Tree Protection By-law (No. 2020-340)*. <https://ottawa.ca/en/living-ottawa/laws-licences-and-permits/laws/law-z/tree-protection-law-no-2020-340>
- WSP. 2020. *6301 Campeau Drive Residential Development Environmental Impact Statement / Tree Conservation Report*



Table 2: 6301 – 6475 Campeau Drive (City-owned trees) Tree Inventory List

| Tree ID | Common Name | Scientific Name | DBH | Overall condition | Eastings | Northing | Notes |
|---------|--------------------|---------------------------|-----|-------------------|----------|----------|-------|
| 1 | Sugar maple | <i>Acer saccharum</i> | 49 | good | 429043 | 5018244 | |
| 2 | Black cherry | <i>Prunus serotina</i> | 41 | good | 429044 | 5018249 | |
| 3 | Sugar maple | <i>Acer saccharum</i> | 25 | good | 429053 | 5018245 | |
| 4 | Bur oak | <i>Quercus macrocarpa</i> | 24 | fair | 429051 | 5018249 | |
| 5 | Sugar maple | <i>Acer saccharum</i> | 23 | good | 429048 | 5018244 | |
| 6 | Sugar maple | <i>Acer saccharum</i> | 20 | good | 429049 | 5018243 | |
| 7 | Sugar maple | <i>Acer saccharum</i> | 21 | good | 429045 | 5018239 | |
| 8 | Sugar maple | <i>Acer saccharum</i> | 17 | good | 429046 | 5018243 | |
| 9 | Sugar maple | <i>Acer saccharum</i> | 27 | fair | 429041 | 5018233 | |
| 10 | Sugar maple | <i>Acer saccharum</i> | 25 | good | 429042 | 5018231 | |
| 11 | Sugar maple | <i>Acer saccharum</i> | 27 | good | 429038 | 5018239 | |
| 12 | Sugar maple | <i>Acer saccharum</i> | 18 | good | 429037 | 5018240 | |
| 13 | Ironwood | <i>Ostrya virginiana</i> | 15 | good | 429034 | 5018239 | |
| 14 | American basswood | <i>Tilia americana</i> | 50 | good | 429029 | 5018244 | |
| 15 | Ironwood | <i>Ostrya virginiana</i> | 18 | good | 429033 | 5018249 | |
| 16 | Sugar maple | <i>Acer saccharum</i> | 14 | good | 429037 | 5018250 | |
| 17 | Sugar maple | <i>Acer saccharum</i> | 19 | good | 429032 | 5018256 | |
| 18 | American elm | <i>Ulmus americana</i> | 28 | good | 429029 | 5018250 | |
| 19 | Sugar maple | <i>Acer saccharum</i> | 26 | good | 429025 | 5018256 | |
| 20 | Sugar maple | <i>Acer saccharum</i> | 28 | good | 429031 | 5018258 | |
| 21 | Sugar maple | <i>Acer saccharum</i> | 33 | good | 429031 | 5018260 | |
| 22 | American elm | <i>Ulmus americana</i> | 23 | good | 429024 | 5018260 | |
| 23 | Ironwood | <i>Ostrya virginiana</i> | 21 | good | 429024 | 5018260 | |
| 24 | Sugar maple | <i>Acer saccharum</i> | 29 | good | 429025 | 5018266 | |
| 25 | Sugar maple | <i>Acer saccharum</i> | 22 | good | 429015 | 5018272 | |
| 26 | Bur oak | <i>Quercus macrocarpa</i> | 20 | good | 429015 | 5018274 | |
| 27 | Sugar maple | <i>Acer saccharum</i> | 20 | good | 429013 | 5018278 | |
| 28 | Bur oak | <i>Quercus macrocarpa</i> | 30 | good | 429010 | 5018280 | |
| 29 | Bur oak | <i>Quercus macrocarpa</i> | 24 | good | 429007 | 5018283 | |
| 30 | Sugar maple | <i>Acer saccharum</i> | 27 | good | 429008 | 5018291 | |
| 31 | Eastern white pine | <i>Pinus strobus</i> | 38 | good | 428973 | 5018337 | |
| 32 | Bur oak | <i>Quercus macrocarpa</i> | 37 | good | 428956 | 5018358 | |
| 33 | Bur oak | <i>Quercus macrocarpa</i> | 27 | good | 428954 | 5018356 | |
| 34 | Bur oak | <i>Quercus macrocarpa</i> | 24 | good | 428945 | 5018357 | |
| 35 | Eastern white pine | <i>Pinus strobus</i> | 44 | good | 428952 | 5018284 | |

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| Tree ID | Common Name | Scientific Name | DBH | Overall condition | Eastings | Northing | Notes |
|---------|--------------------|-------------------------------|-----|-------------------|----------|----------|---------------------------------------|
| 36 | Eastern white pine | <i>Pinus strobus</i> | 44 | good | 428977 | 5018280 | |
| 37 | Eastern white pine | <i>Pinus strobus</i> | 33 | good | 428973 | 5018276 | |
| 38 | Eastern white pine | <i>Pinus strobus</i> | 44 | good | 428973 | 5018268 | |
| 39 | Bur oak | <i>Quercus macrocarpa</i> | 22 | good | 428999 | 5018279 | |
| 40 | Sugar maple | <i>Acer saccharum</i> | 27 | good | 429004 | 5018280 | |
| 41 | Ironwood | <i>Ostrya virginiana</i> | 19 | good | 429003 | 5018268 | |
| 42 | Sugar maple | <i>Acer saccharum</i> | 34 | good | 429012 | 5018267 | |
| 43 | Ironwood | <i>Ostrya virginiana</i> | 18 | good | 429006 | 5018272 | |
| 44 | Ironwood | <i>Ostrya virginiana</i> | 18 | good | 429008 | 5018278 | |
| 45 | Green ash | <i>Fraxinus pennsylvanica</i> | 30 | good | 429013 | 5018266 | |
| 46 | American basswood | <i>Tilia americana</i> | 37 | good | 429020 | 5018252 | |
| 47 | Sugar maple | <i>Acer saccharum</i> | 29 | good | 429024 | 5018249 | Elm growing out of base, 10cm dbh |
| 48 | Sugar maple | <i>Acer saccharum</i> | 24 | good | 429022 | 5018249 | |
| 49 | Sugar maple | <i>Acer saccharum</i> | 26 | good | 429032 | 5018253 | |
| 50 | Sugar maple | <i>Acer saccharum</i> | 24 | good | 429035 | 5018244 | |
| 51 | American basswood | <i>Tilia americana</i> | 39 | good | 429029 | 5018244 | |
| 52 | Sugar maple | <i>Acer saccharum</i> | 47 | good | 429029 | 5018228 | |
| 53 | Sugar maple | <i>Acer saccharum</i> | 34 | good | 429024 | 5018232 | |
| 54 | Eastern hemlock | <i>Tsuga canadensis</i> | 52 | good | 429019 | 5018221 | |
| 55 | Sugar maple | <i>Acer saccharum</i> | 30 | good | 429016 | 5018234 | |
| BN19 | Butternut | <i>Juglans cinerea</i> | 80 | fair | 429013 | 5018245 | BHA #19. Did not tag tree. Category 1 |
| 56 | Sugar maple | <i>Acer saccharum</i> | 25 | good | 429012 | 5018248 | |
| 57 | Bur oak | <i>Quercus macrocarpa</i> | 81 | good | 428997 | 5018255 | |
| 58 | Sugar maple | <i>Acer saccharum</i> | 83 | good | 428993 | 5018254 | |
| 59 | Sugar maple | <i>Acer saccharum</i> | 81 | fair | 428992 | 5018249 | DBH measured below fork |
| 60 | Sugar maple | <i>Acer saccharum</i> | 46 | good | 428996 | 5018242 | |
| 61 | Ironwood | <i>Ostrya virginiana</i> | 24 | good | 429001 | 5018237 | |
| 62 | Ironwood | <i>Ostrya virginiana</i> | 22 | good | 429001 | 5018240 | |
| 63 | American beech | <i>Fagus grandifolia</i> | 52 | fair | 428996 | 5018244 | |
| 64 | American beech | <i>Fagus grandifolia</i> | 35 | fair | 428999 | 5018225 | |
| 65 | Sugar maple | <i>Acer saccharum</i> | 37 | good | 429008 | 5018218 | |
| 66 | Sugar maple | <i>Acer saccharum</i> | 39 | good | 428995 | 5018212 | |
| 67 | Sugar maple | <i>Acer saccharum</i> | 30 | good | 429010 | 5018207 | |
| 68 | Sugar maple | <i>Acer saccharum</i> | 23 | good | 429013 | 5018210 | |
| 69 | Bitternut hickory | <i>Carya cordiformis</i> | 30 | good | 429012 | 5018209 | |
| 70 | Sugar maple | <i>Acer saccharum</i> | 25 | good | 429020 | 5018205 | |
| 71 | Sugar maple | <i>Acer saccharum</i> | 33 | good | 428993 | 5018212 | |
| 72 | Sugar maple | <i>Acer saccharum</i> | 57 | good | 428990 | 5018215 | |
| 73 | Sugar maple | <i>Acer saccharum</i> | 27 | good | 428981 | 5018221 | |
| 74 | Ironwood | <i>Ostrya virginiana</i> | 24 | fair | 428986 | 5018219 | |



| Tree ID | Common Name | Scientific Name | DBH | Overall condition | Eastings | Northing | Notes |
|---------|--------------------|------------------------------|-----|-------------------|----------|----------|--------------------------------|
| 75 | Ironwood | <i>Ostrya virginiana</i> | 25 | fair | 428982 | 5018223 | |
| 76 | Sugar maple | <i>Acer saccharum</i> | 94 | fair | 428980 | 5018231 | |
| 77 | American basswood | <i>Tilia americana</i> | 24 | good | 428986 | 5018254 | |
| 78 | American basswood | <i>Tilia americana</i> | 24 | good | 428977 | 5018246 | |
| 79 | American basswood | <i>Tilia americana</i> | 24 | good | 428981 | 5018250 | |
| 80 | American basswood | <i>Tilia americana</i> | 21 | good | 428983 | 5018249 | |
| 81 | Ironwood | <i>Ostrya virginiana</i> | 19 | good | 428974 | 5018241 | |
| 82 | Ironwood | <i>Ostrya virginiana</i> | 20 | good | 428974 | 5018237 | |
| 83 | American basswood | <i>Tilia americana</i> | 28 | good | 428953 | 5018239 | |
| 84 | Sugar maple | <i>Acer saccharum</i> | 22 | good | 428951 | 5018242 | |
| 85 | Bur oak | <i>Quercus macrocarpa</i> | 33 | good | 428996 | 5018244 | |
| 86 | Eastern white pine | <i>Pinus strobus</i> | 41 | good | 428934 | 5018254 | |
| 87 | Eastern white pine | <i>Pinus strobus</i> | 40 | good | 428933 | 5018255 | |
| 88 | Bur oak | <i>Quercus macrocarpa</i> | 36 | good | 428941 | 5018240 | |
| 89 | Largetooth aspen | <i>Populus grandidentata</i> | 32 | good | 428939 | 5018234 | |
| 90 | Sugar maple | <i>Acer saccharum</i> | 30 | good | 428953 | 5018230 | |
| 91 | Ironwood | <i>Ostrya virginiana</i> | 21 | good | 428956 | 5018232 | |
| 92 | Sugar maple | <i>Acer saccharum</i> | 25 | good | 428961 | 5018230 | |
| 93 | Eastern hemlock | <i>Tsuga canadensis</i> | 37 | good | 428964 | 5018220 | |
| 94 | Eastern white pine | <i>Pinus strobus</i> | 86 | good | 428966 | 5018216 | |
| 95 | Ironwood | <i>Ostrya virginiana</i> | 25 | good | 428964 | 5018218 | |
| 96 | Sugar maple | <i>Acer saccharum</i> | 38 | good | 428933 | 5018222 | |
| 97 | Sugar maple | <i>Acer saccharum</i> | 23 | good | 428929 | 5018225 | |
| 98 | Ironwood | <i>Ostrya virginiana</i> | 30 | good | 428926 | 5018207 | |
| 99 | Ironwood | <i>Ostrya virginiana</i> | 33 | good | 428917 | 5018234 | Forked below dbh, multistemmed |
| 100 | Sugar maple | <i>Acer saccharum</i> | 30 | good | 428918 | 5018238 | |
| 101 | Sugar maple | <i>Acer saccharum</i> | 21 | good | 428911 | 5018240 | |
| 102 | Bur oak | <i>Quercus macrocarpa</i> | 28 | good | 428909 | 5018237 | |
| 103 | Sugar maple | <i>Acer saccharum</i> | 23 | good | 428910 | 5018237 | |
| 104 | Sugar maple | <i>Acer saccharum</i> | 25 | good | 428908 | 5018236 | |
| 105 | Sugar maple | <i>Acer saccharum</i> | 24 | good | 428906 | 5018239 | |
| 106 | Eastern hemlock | <i>Tsuga canadensis</i> | 48 | fair | 428903 | 5018227 | |
| 107 | Ironwood | <i>Ostrya virginiana</i> | 15 | good | 428908 | 5018231 | |
| 108 | Sugar maple | <i>Acer saccharum</i> | 36 | good | 428910 | 5018227 | |
| 109 | Ironwood | <i>Ostrya virginiana</i> | 15 | good | 428912 | 5018225 | |
| 110 | Ironwood | <i>Ostrya virginiana</i> | 21 | good | 428914 | 5018227 | |
| 111 | American elm | <i>Ulmus americana</i> | 23 | good | 428928 | 5018218 | |
| 112 | Sugar maple | <i>Acer saccharum</i> | 22 | good | 428932 | 5018219 | |
| 113 | Ironwood | <i>Ostrya virginiana</i> | 21 | good | 428919 | 5018208 | |
| 114 | Ironwood | <i>Ostrya virginiana</i> | 17 | good | 428920 | 5018211 | |
| 115 | Ironwood | <i>Ostrya virginiana</i> | 18 | good | 428919 | 5018213 | |



| Tree ID | Common Name | Scientific Name | DBH | Overall condition | Eastings | Northing | Notes |
|---------|--------------------|-------------------------------|-----|-------------------|----------|----------|-----------------------------------|
| 116 | Ironwood | <i>Ostrya virginiana</i> | 19 | good | 428918 | 5018213 | |
| 117 | Sugar maple | <i>Acer saccharum</i> | 15 | good | 428911 | 5018210 | |
| 118 | Sugar maple | <i>Acer saccharum</i> | 22 | good | 428907 | 5018210 | |
| 119 | Sugar maple | <i>Acer saccharum</i> | 17 | good | 428908 | 5018207 | |
| 120 | Ironwood | <i>Ostrya virginiana</i> | 18 | good | 428906 | 5018209 | |
| 121 | Ironwood | <i>Ostrya virginiana</i> | 27 | good | 428904 | 5018213 | |
| 122 | Ironwood | <i>Ostrya virginiana</i> | 22 | good | 428905 | 5018212 | |
| 123 | Ironwood | <i>Ostrya virginiana</i> | 34 | good | 428899 | 5018214 | Multistemmed, measured below fork |
| 124 | Sugar maple | <i>Acer saccharum</i> | 30 | good | 428896 | 5018215 | |
| 125 | Balsam fir | <i>Abies balsamea</i> | 14 | fair | 428890 | 5018218 | |
| 126 | American elm | <i>Ulmus americana</i> | 17 | fair | 428893 | 5018217 | |
| 127 | Green ash | <i>Fraxinus pennsylvanica</i> | 16 | fair | 428893 | 5018225 | |
| 128 | Ironwood | <i>Ostrya virginiana</i> | 16 | good | 428886 | 5018222 | |
| 129 | American elm | <i>Ulmus americana</i> | 25 | good | 428886 | 5018222 | |
| 130 | Black cherry | <i>Prunus serotina</i> | 22 | good | 428903 | 5018227 | |
| 131 | Bur oak | <i>Quercus macrocarpa</i> | 15 | good | 428898 | 5018241 | |
| 132 | Red maple | <i>Acer rubrum</i> | 11 | good | 428882 | 5018240 | |
| 133 | Red maple | <i>Acer rubrum</i> | 13 | good | 428883 | 5018236 | |
| 134 | Eastern white pine | <i>Pinus strobus</i> | 65 | good | 428885 | 5018235 | |
| 135 | Eastern white pine | <i>Pinus strobus</i> | 62 | good | 428878 | 5018222 | |
| 136 | Eastern white pine | <i>Pinus strobus</i> | 18 | good | 428875 | 5018222 | |
| 137 | Red maple | <i>Acer rubrum</i> | 27 | good | 428875 | 5018226 | |
| 138 | American basswood | <i>Tilia americana</i> | 35 | good | 428893 | 5018206 | |
| 139 | American basswood | <i>Tilia americana</i> | 37 | good | 428893 | 5018206 | Multistemmed, measured below fork |
| 140 | Ironwood | <i>Ostrya virginiana</i> | 14 | good | 428890 | 5018207 | |
| 141 | Bur oak | <i>Quercus macrocarpa</i> | 31 | good | 428885 | 5018202 | |
| 142 | Ironwood | <i>Ostrya virginiana</i> | 27 | good | 428886 | 5018191 | |
| 143 | Ironwood | <i>Ostrya virginiana</i> | 16 | good | 428885 | 5018194 | |
| 144 | Ironwood | <i>Ostrya virginiana</i> | 26 | good | 428883 | 5018197 | |
| 145 | Eastern white pine | <i>Pinus strobus</i> | 60 | good | 428883 | 5018204 | |
| 146 | American elm | <i>Ulmus americana</i> | 35 | good | 428877 | 5018210 | |
| 147 | Ironwood | <i>Ostrya virginiana</i> | 17 | good | 428873 | 5018205 | |
| 148 | Red maple | <i>Acer rubrum</i> | 43 | good | 428874 | 5018205 | |
| 149 | Eastern white pine | <i>Pinus strobus</i> | 35 | good | 428873 | 5018209 | |
| 150 | Eastern white pine | <i>Pinus strobus</i> | 40 | good | 428873 | 5018210 | |
| 151 | Eastern white pine | <i>Pinus strobus</i> | 37 | good | 428864 | 5018206 | |
| 152 | Black cherry | <i>Prunus serotina</i> | 20 | good | 428867 | 5018205 | |
| 153 | Black cherry | <i>Prunus serotina</i> | 13 | good | 428866 | 5018201 | |
| 154 | Bur oak | <i>Quercus macrocarpa</i> | 22 | good | 428873 | 5018213 | |
| 155 | Ironwood | <i>Ostrya virginiana</i> | 16 | good | 428873 | 5018213 | |



| Tree ID | Common Name | Scientific Name | DBH | Overall condition | Eastings | Northing | Notes |
|---------|---------------------|---------------------------|-----|-------------------|----------|----------|-------|
| 156 | Eastern white pine | <i>Pinus strobus</i> | 49 | good | 428847 | 5018244 | |
| 157 | Bur oak | <i>Quercus macrocarpa</i> | 15 | good | 428846 | 5018247 | |
| 158 | Bur oak | <i>Quercus macrocarpa</i> | 61 | good | 428853 | 5018251 | |
| 159 | Eastern white pine | <i>Pinus strobus</i> | 46 | good | 428841 | 5018238 | |
| 160 | Bur oak | <i>Quercus macrocarpa</i> | 21 | good | 428842 | 5018243 | |
| 161 | Eastern white pine | <i>Pinus strobus</i> | 37 | good | 428835 | 5018248 | |
| 162 | Eastern white pine | <i>Pinus strobus</i> | 56 | good | 428832 | 5018254 | |
| 163 | Eastern white pine | <i>Pinus strobus</i> | 47 | good | 428832 | 5018254 | |
| 164 | Eastern white pine | <i>Pinus strobus</i> | 36 | good | 428832 | 5018244 | |
| 165 | Eastern white pine | <i>Pinus strobus</i> | 49 | good | 428829 | 5018246 | |
| 166 | Eastern white pine | <i>Pinus strobus</i> | 24 | good | 428839 | 5018237 | |
| 167 | Eastern white pine | <i>Pinus strobus</i> | 24 | good | 428842 | 5018235 | |
| 168 | Eastern white pine | <i>Pinus strobus</i> | 62 | good | 428843 | 5018231 | |
| 169 | Eastern white pine | <i>Pinus strobus</i> | 53 | good | 428841 | 5018226 | |
| 170 | Eastern white pine | <i>Pinus strobus</i> | 45 | good | 428843 | 5018204 | |
| 171 | Eastern white pine | <i>Pinus strobus</i> | 56 | good | 428835 | 5018196 | |
| 172 | Eastern white pine | <i>Pinus strobus</i> | 34 | good | 428836 | 5018187 | |
| 173 | Red maple | <i>Acer rubrum</i> | 43 | good | 428832 | 5018186 | |
| 174 | Eastern white pine | <i>Pinus strobus</i> | 50 | good | 428828 | 5018183 | |
| 175 | Ironwood | <i>Ostrya virginiana</i> | 16 | good | 428825 | 5018178 | |
| 176 | Eastern white pine | <i>Pinus strobus</i> | 47 | good | 428820 | 5018254 | |
| 177 | Eastern white cedar | <i>Thuja occidentalis</i> | 17 | good | 428818 | 5018253 | |
| 178 | Eastern white pine | <i>Pinus strobus</i> | 34 | good | 428809 | 5018249 | |
| 179 | Eastern white pine | <i>Pinus strobus</i> | 58 | good | 428821 | 5018230 | |
| 180 | Eastern white pine | <i>Pinus strobus</i> | 69 | good | 428802 | 5018231 | |
| 181 | Eastern white pine | <i>Pinus strobus</i> | 64 | good | 428809 | 5018220 | |
| 182 | Red maple | <i>Acer rubrum</i> | 19 | good | 428814 | 5018223 | |
| 183 | Black cherry | <i>Prunus serotina</i> | 16 | good | 428813 | 5018217 | |
| 184 | Red oak | <i>Quercus rubra</i> | 29 | good | 428819 | 5018213 | |
| 185 | Red oak | <i>Quercus rubra</i> | 19 | good | 428821 | 5018209 | |
| 186 | Eastern white pine | <i>Pinus strobus</i> | 48 | good | 428816 | 5018207 | |
| 187 | Eastern white pine | <i>Pinus strobus</i> | 31 | good | 428819 | 5018210 | |
| 188 | Eastern white pine | <i>Pinus strobus</i> | 50 | good | 428818 | 5018197 | |
| 189 | Eastern white pine | <i>Pinus strobus</i> | 33 | good | 428815 | 5018204 | |
| 190 | Eastern white pine | <i>Pinus strobus</i> | 44 | good | 428811 | 5018202 | |
| 191 | Eastern white pine | <i>Pinus strobus</i> | 29 | good | 428814 | 5018202 | |
| 192 | Eastern white pine | <i>Pinus strobus</i> | 44 | good | 428805 | 5018199 | |
| 193 | Eastern white pine | <i>Pinus strobus</i> | 44 | good | 428802 | 5018203 | |
| 194 | Eastern white pine | <i>Pinus strobus</i> | 50 | good | 428807 | 5018194 | |
| 195 | Eastern white pine | <i>Pinus strobus</i> | 41 | good | 428805 | 5018188 | |
| 196 | Black cherry | <i>Prunus serotina</i> | 19 | good | 428804 | 5018186 | |
| 197 | Black cherry | <i>Prunus serotina</i> | 25 | good | 428792 | 5018211 | |

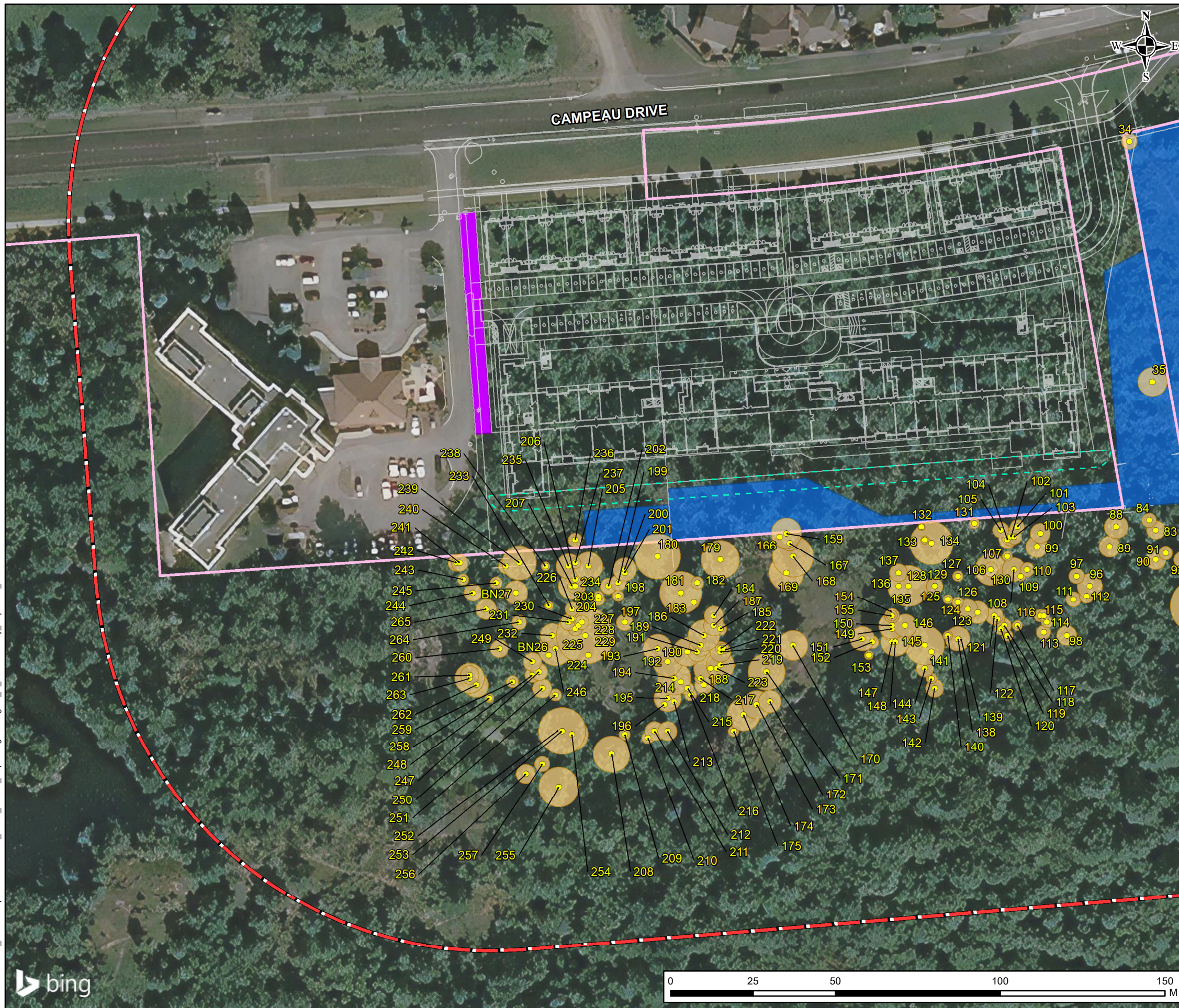


| Tree ID | Common Name | Scientific Name | DBH | Overall condition | Eastings | Northing | Notes |
|---------|--------------------|------------------------------|---------|-------------------|----------|----------|-----------------------------------|
| 198 | Black cherry | <i>Prunus serotina</i> | 17 | good | 428790 | 5018219 | |
| 199 | Ironwood | <i>Ostrya virginiana</i> | 24 | good | 428790 | 5018223 | |
| 200 | Red maple | <i>Acer rubrum</i> | 35 | good | 428792 | 5018227 | |
| 201 | Black cherry | <i>Prunus serotina</i> | 14 | good | 428792 | 5018226 | |
| 202 | Red maple | <i>Acer rubrum</i> | 24 | good | 428787 | 5018222 | Multistemmed, measured below fork |
| 203 | Ironwood | <i>Ostrya virginiana</i> | 15 | good | 428784 | 5018219 | |
| 204 | Ironwood | <i>Ostrya virginiana</i> | 19 | good | 428784 | 5018218 | |
| 205 | Red maple | <i>Acer rubrum</i> | 43 | good | 428781 | 5018228 | Multistemmed, measured below fork |
| 206 | Red maple | <i>Acer rubrum</i> | 15 | good | 428777 | 5018224 | |
| 207 | Eastern white pine | <i>Pinus strobus</i> | 41 | good | 428776 | 5018222 | Strong lean to trunk |
| 208 | Bitternut hickory | <i>Carya cordiformis</i> | 55 | good | 428788 | 5018171 | |
| 209 | Ironwood | <i>Ostrya virginiana</i> | 17 | good | 428792 | 5018177 | |
| 210 | Largetooth aspen | <i>Populus grandidentata</i> | 18 | good | 428799 | 5018176 | |
| 211 | Largetooth aspen | <i>Populus grandidentata</i> | 29 | good | 428801 | 5018178 | |
| 212 | Black cherry | <i>Prunus serotina</i> | 29 | good | 428805 | 5018178 | |
| 213 | Black cherry | <i>Prunus serotina</i> | 15 | good | 428807 | 5018187 | |
| 214 | Eastern white pine | <i>Pinus strobus</i> | 29 | good | 428809 | 5018193 | |
| 215 | Red oak | <i>Quercus rubra</i> | 20 | good | 428811 | 5018191 | |
| 216 | Black cherry | <i>Prunus serotina</i> | 18 | good | 428812 | 5018189 | |
| 217 | Ironwood | <i>Ostrya virginiana</i> | 17 | good | 428815 | 5018194 | |
| 218 | Eastern white pine | <i>Pinus strobus</i> | 27 | good | 428816 | 5018192 | |
| 219 | Eastern white pine | <i>Pinus strobus</i> | 43 | good | 428821 | 5018198 | |
| 220 | Eastern white pine | <i>Pinus strobus</i> | 31 | good | 428821 | 5018202 | |
| 221 | Trembling aspen | <i>Populus tremuloides</i> | 16 | good | 428822 | 5018203 | |
| 222 | White spruce | <i>Picea glauca</i> | 15 | good | 428821 | 5018203 | |
| 223 | White spruce | <i>Picea glauca</i> | 14 | good | 428820 | 5018197 | |
| 224 | White spruce | <i>Picea glauca</i> | 25 | good | 428781 | 5018201 | |
| 225 | American basswood | <i>Tilia americana</i> | 5 to 14 | good | 428780 | 5018207 | Multistemmed = 8 trunks |
| 226 | Bur oak | <i>Quercus rubra</i> | 21 | good | 428776 | 5018215 | |
| 227 | Ironwood | <i>Ostrya virginiana</i> | 22 | good | 428779 | 5018211 | |
| 228 | Ironwood | <i>Ostrya virginiana</i> | 12 | good | 428778 | 5018210 | |
| 229 | Bitternut hickory | <i>Carya cordiformis</i> | 21 | good | 428777 | 5018209 | |
| 230 | Red maple | <i>Acer rubrum</i> | 13 | good | 428776 | 5018212 | |
| 231 | Bur oak | <i>Quercus macrocarpa</i> | 25 | good | 428775 | 5018211 | |
| 232 | Red maple | <i>Acer rubrum</i> | 36 | good | 428770 | 5018207 | |
| 233 | Red maple | <i>Acer rubrum</i> | 13 | good | 428769 | 5018216 | |
| 234 | Red maple | <i>Acer rubrum</i> | 23 | good | 428777 | 5018222 | |
| 235 | Red maple | <i>Acer rubrum</i> | 38 | good | 428775 | 5018228 | |
| 236 | Red oak | <i>Quercus rubra</i> | 21 | good | 428777 | 5018236 | |
| 237 | Eastern white pine | <i>Pinus strobus</i> | 17 | good | 428777 | 5018229 | |

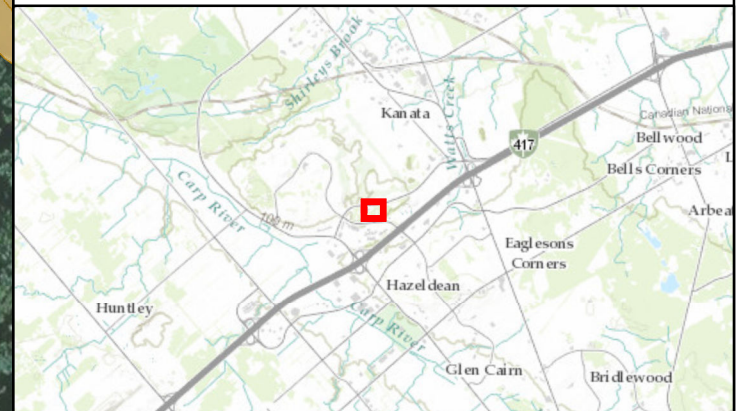


| Tree ID | Common Name | Scientific Name | DBH | Overall condition | Eastings | Northing | Notes |
|---------|--------------------|----------------------------|----------|-------------------|----------|----------|----------------------------|
| 238 | Eastern white pine | <i>Pinus strobus</i> | 13 | good | 428768 | 5018228 | |
| 239 | Red maple | <i>Acer rubrum</i> | 52 | good | 428760 | 5018229 | |
| 240 | Red maple | <i>Acer rubrum</i> | 23 | good | 428756 | 5018228 | |
| 241 | American elm | <i>Ulmus americana</i> | 25 | good | 428742 | 5018229 | |
| 242 | Red maple | <i>Acer rubrum</i> | 25 | good | 428741 | 5018229 | |
| 243 | Red maple | <i>Acer rubrum</i> | 17 | good | 428743 | 5018224 | |
| 244 | Sugar maple | <i>Acer saccharum</i> | 26 | good | 428746 | 5018220 | |
| 245 | American basswood | <i>Tilia americana</i> | 18 | good | 428753 | 5018223 | |
| BN27 | Butternut | <i>Juglans cinerea</i> | 36 | fair | 428759 | 5018220 | |
| 246 | Red maple | <i>Acer rubrum</i> | 52 | good | 428771 | 5018203 | |
| BN26 | Butternut | <i>Juglans cinerea</i> | 23 | good | 428769 | 5018201 | |
| 247 | Black cherry | <i>Prunus serotina</i> | 26 | good | 428766 | 5018196 | |
| 248 | American elm | <i>Ulmus americana</i> | 23 | good | 428764 | 5018195 | |
| 249 | Red maple | <i>Acer rubrum</i> | 28 | good | 428764 | 5018199 | |
| 250 | Red maple | <i>Acer rubrum</i> | 29 | good | 428767 | 5018191 | |
| 251 | American elm | <i>Ulmus americana</i> | 18 | good | 428771 | 5018189 | |
| 252 | Eastern white pine | <i>Pinus strobus</i> | 29 | good | 428773 | 5018178 | |
| 253 | Red maple | <i>Acer rubrum</i> | 71 | good | 428773 | 5018178 | |
| 254 | Eastern white pine | <i>Pinus strobus</i> | 50 | good | 428776 | 5018177 | |
| 255 | Eastern white pine | <i>Pinus strobus</i> | 60 | good | 428772 | 5018161 | |
| 256 | Eastern white pine | <i>Pinus strobus</i> | 29 | good | 428762 | 5018165 | |
| 257 | White spruce | <i>Picea glauca</i> | 23 | good | 428767 | 5018168 | |
| 258 | Red maple | <i>Acer rubrum</i> | 10,13,16 | good | 428751 | 5018188 | Multistemmed = 3 trunks |
| 259 | Bur oak | <i>Quercus macrocarpa</i> | 18 | good | 428758 | 5018193 | |
| 260 | Trembling aspen | <i>Populus tremuloides</i> | 27 | good | 428754 | 5018203 | |
| 261 | Trembling aspen | <i>Populus tremuloides</i> | 28 | good | 428745 | 5018195 | |
| 262 | White spruce | <i>Picea glauca</i> | 37 | good | 428747 | 5018192 | |
| 263 | Red maple | <i>Acer rubrum</i> | 45 | good | 428745 | 5018194 | |
| 264 | Red maple | <i>Acer rubrum</i> | 22 | good | 428760 | 5018211 | |
| 265 | Red maple | <i>Acer rubrum</i> | 31 | good | 428750 | 5018215 | |

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- Study Area
- Tree Inventory (within 3m of City Property)
- City Property
- Limit of Disturbance (5m from Southern Limit)
- Critical Root Zone (CRZ) - Non-Impacted Tree Buffer
- Retention Strip (4.8m)
- Undisturbed Area
- Site Plan



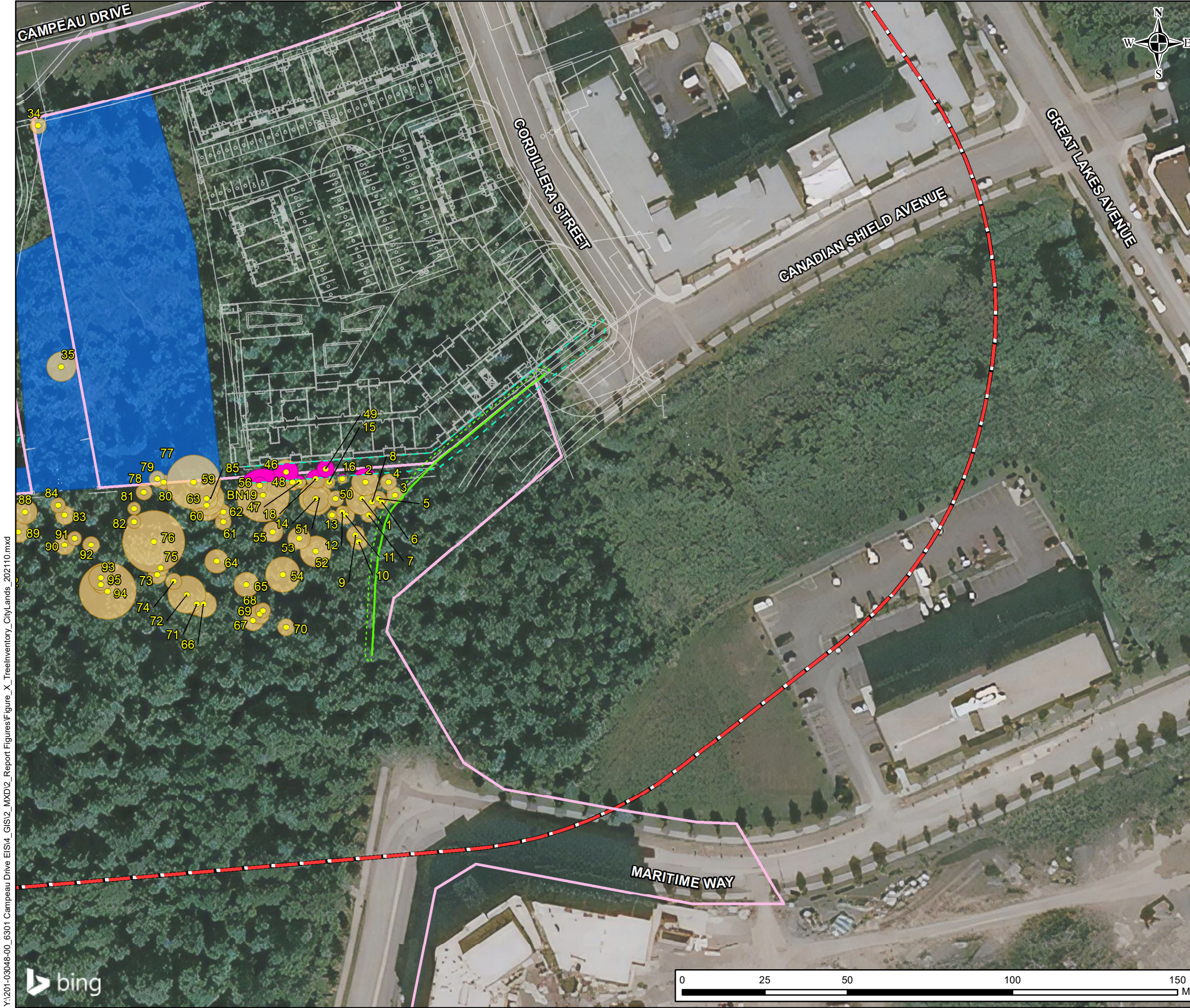
Client: **Bayview Hospitality Group**











Title: **Tree Inventory - City Lands**

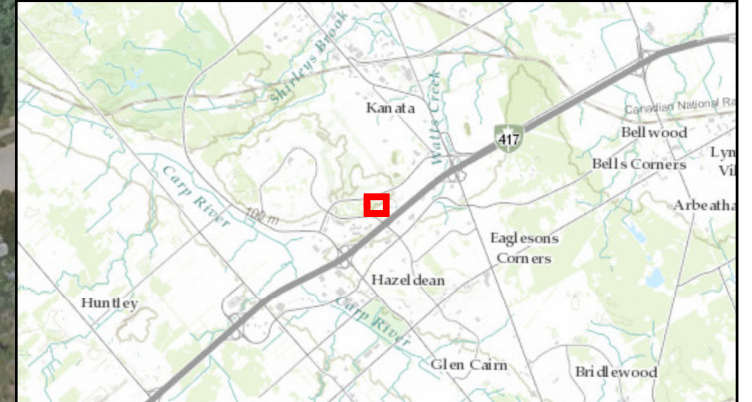
Prepared By:

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| 201-03048-00 | 1:1,200 | Review: AO |
| Date: November 2021 | Figure: 2 6475 Campeau Dr (Parcel 1, Phase 2) | |
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-  Study Area
-  Tree Inventory (within 3m of City Property)
-  City Property
-  Limit of Disturbance (5m from Southern Limit)
-  Critical Root Zone (CRZ) - Impacted Tree Buffer
-  Critical Root Zone (CRZ) - Non-Impacted Tree Buffer
-  Undisturbed Area
-  Cleared Limit (approximate)
-  Cleared Limit (approximate) 2m Buffer
-  Site Plan



| | | |
|-------------------------------|---|------------|
| Client: | Bayview Hospitality Group | |
| Title: | Tree Inventory - City Lands | |
| Prepared By: |  | |
| 201-03048-00 | 1:1,200 | Review: AO |
| Date: November 2021 | Figure: 3 6301 Campeau Dr (Parcel 2, Phase 1) | |
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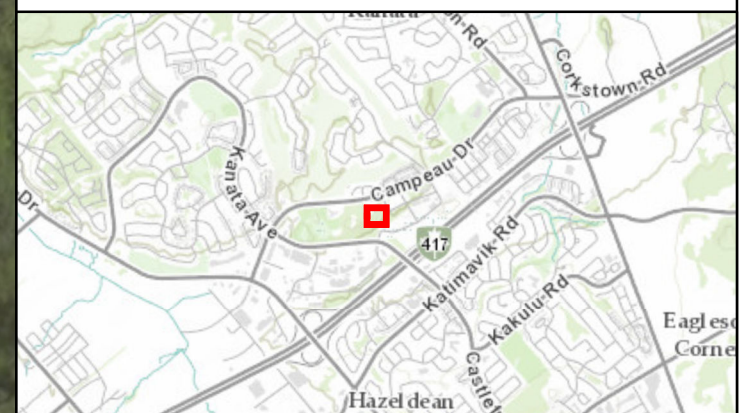
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- Study Area
- Impacted Tree Location
- City Property
- Limit of Disturbance (5m from Southern Limit)
- Critical Root Zone (CRZ) - Impacted Tree Buffer
- Critical Root Zone (CRZ) - Non-Impacted Tree Buffer
- Undisturbed Area
- Cleared Limit (approximate)
- Cleared Limit (approximate) 2m Buffer



| | | |
|--|-------|------------------|
| Client: | | |
| Bayview Hospitality Group | | |
| Title: | | |
| Impacted Tree Location - City Lands | | |
| Prepared By: | | |
| | | |
| 201-03048-00 | 1:500 | Review: AO |
| Date: November 2021 | | Figure: 4 |
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