



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.

- 1) Define limits of site disturbance adjacent to the park and inventory City trees with a critical root zone, or tree crown extending onto development site.

WSP Response: *The limits of site disturbance and City-owned trees extending onto the development site or within the 5 m buffer have been addressed in this document (Figures 2, 3 and 4).*

- 2) Confirm that any shoring can be installed without additional tree removal for both parcels.

WSP response: *No shoring activities will be required. However, due to the extent of bedrock on site, blasting activities will occur. Additional tree removal and/or harm to ten (10) City-owned trees is required to accommodate blasting activities.*

- 3) Please identify the reason for the variability in the disturbed versus undisturbed areas at the southern end of the site. Why is it not uniform across the property if it is not being developed?

WSP response: *There is a 4.5 m jog in the undisturbed area at the southwest corner on account of a drainage swale and grading at that location. The sketch below from civil engineering drawings identifies the swale and jogged location.*

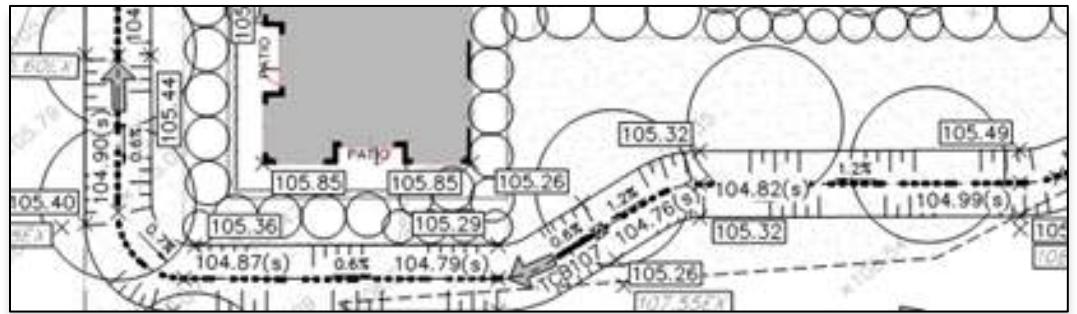


Figure 1: 6475 Campeau Drive (Phase 2), southwest edge of proposed development

- 4) Please better define the disturbed versus undisturbed line on site so that there is no uncertainty where it is supposed to be – ensure that line is clearly flagged or staked at an appropriate interval and not just the corners.

WSP Response: *A site visit will be scheduled prior to tree clearing to identify the undisturbed area with WSP, DeMarco Construction, and City of Ottawa Forester, if required.*

The limit of clearing will be flagged / staked (i.e., the location of the required tree protection fencing), then those trees (>30 cm) will be identified along that boundary. A follow-up site visit will be completed in order to adjust the limit of clearing to accommodate specific trees. Each tree >30 cm along this boundary will be inspected to confirm if it truly needs to be removed or if it can be accommodated.

- 5) Schedule a follow up site visit allowing for line adjustment to accommodate specific trees close to the cut boundary.

WSP Response: *As noted above. This site visit should be scheduled before the tree clearing is to occur, and prior to the tree protection fence being erected.*

- 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	

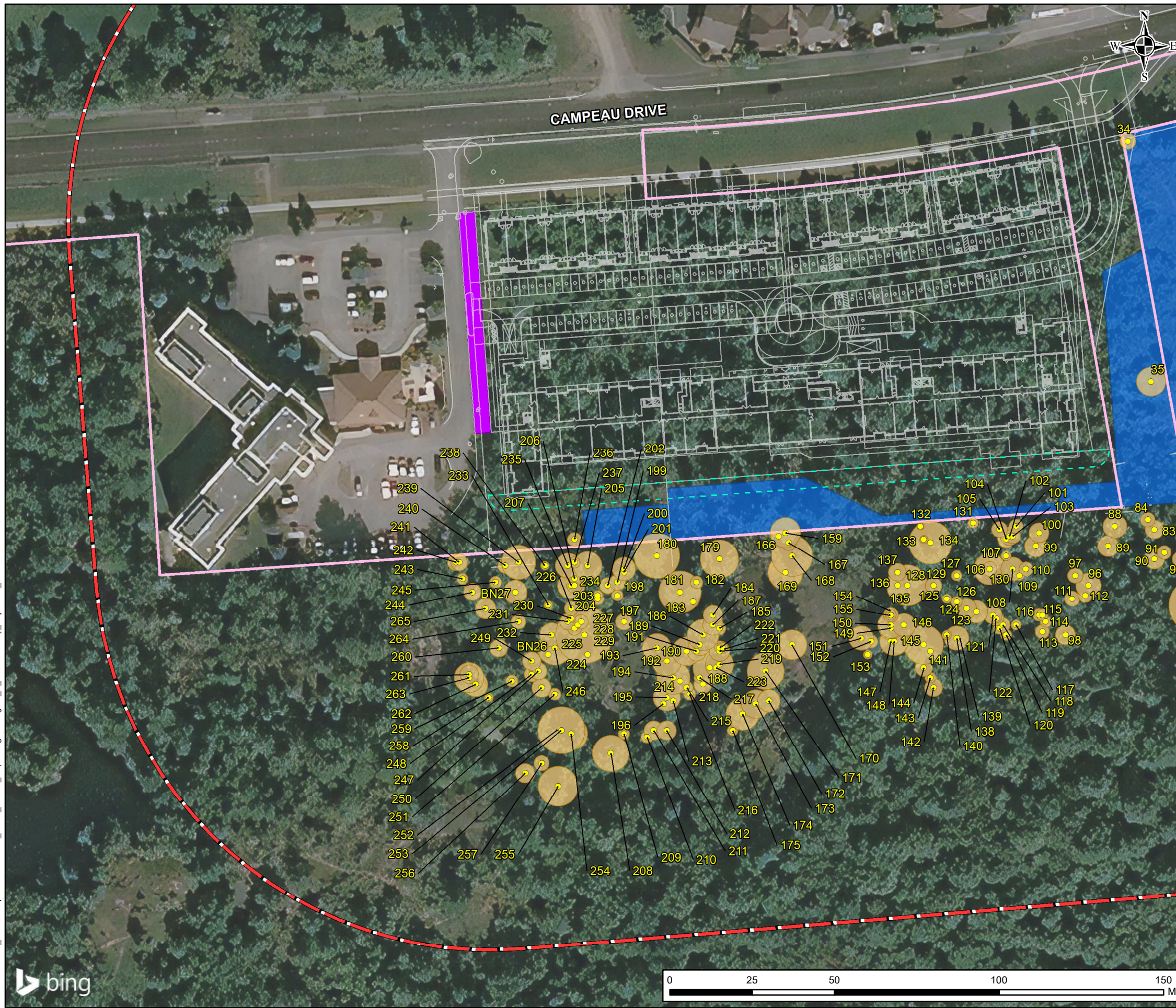


Tree ID	Common Name	Scientific Name	DBH	Overall condition	Eastings	Northing	Notes
198	Black cherry	<i>Prunus serotina</i>	17	good	428790	5018219	
199	Ironwood	<i>Ostrya virginiana</i>	24	good	428790	5018223	
200	Red maple	<i>Acer rubrum</i>	35	good	428792	5018227	
201	Black cherry	<i>Prunus serotina</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	

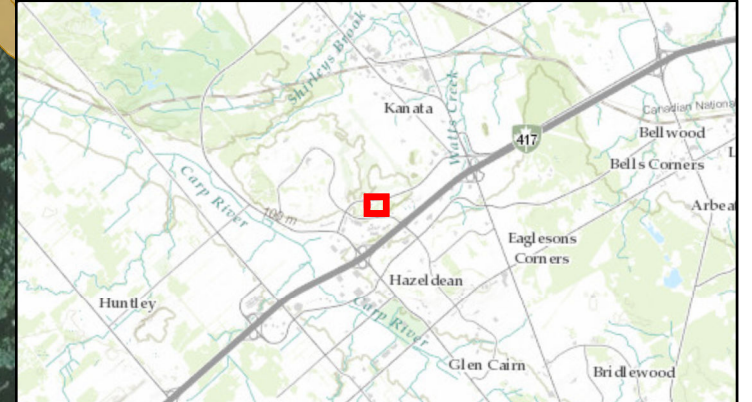


Tree ID	Common Name	Scientific Name	DBH	Overall condition	Eastings	Northing	Notes
238	Eastern white pine	<i>Pinus strobus</i>	13	good	428768	5018228	
239	Red maple	<i>Acer rubrum</i>	52	good	428760	5018229	
240	Red maple	<i>Acer rubrum</i>	23	good	428756	5018228	
241	American elm	<i>Ulmus americana</i>	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	

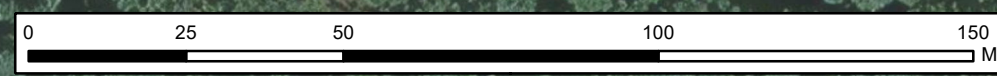
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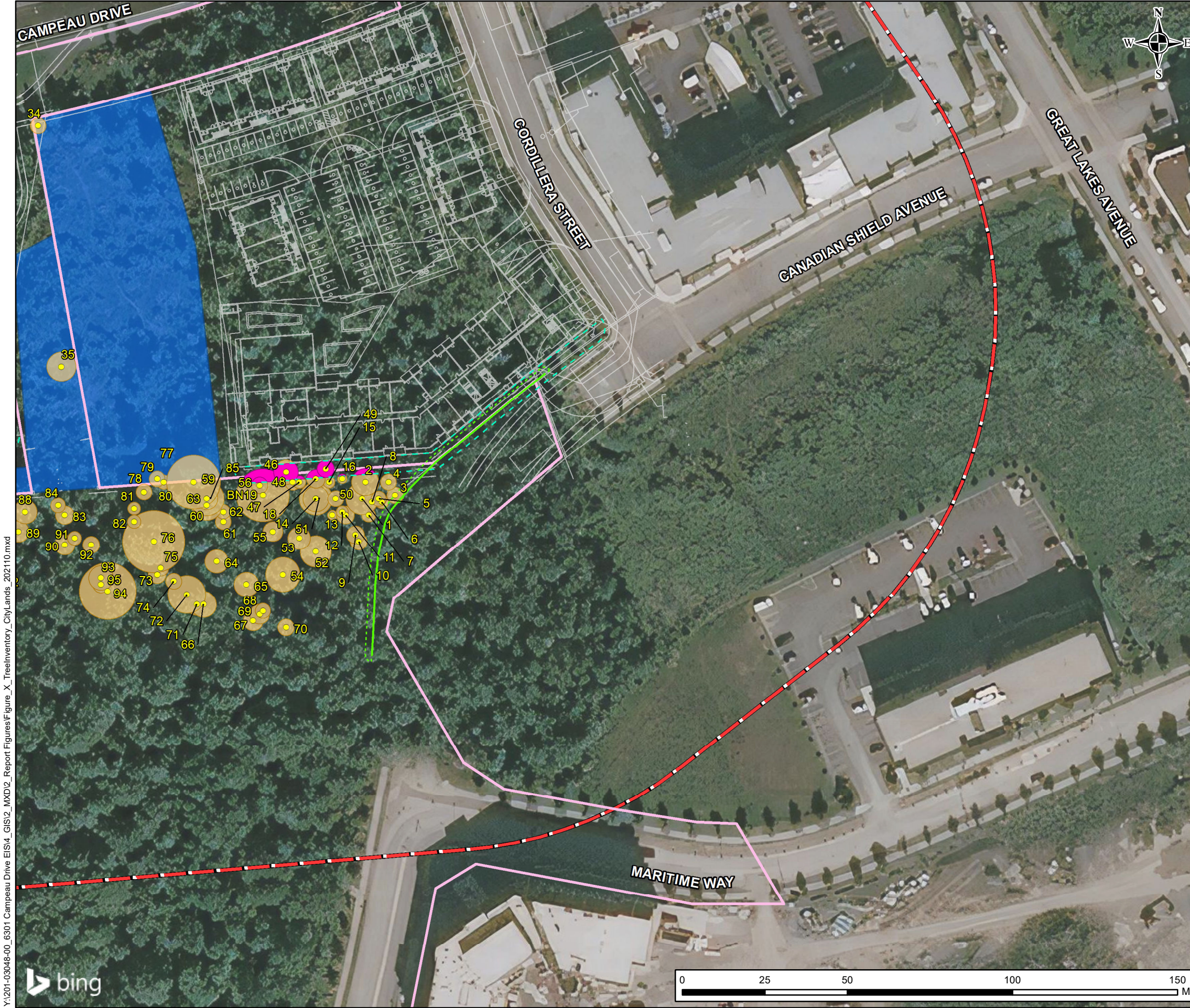












- Study Area
- Tree Inventory (within 3m of City Property)
- City Property
- Limit of Disturbance (5m from Southern Limit)
- Critical Root Zone (CRZ) - Non-Impacted Tree Buffer
- Retention Strip (4.8m)
- Undisturbed Area
- Site Plan

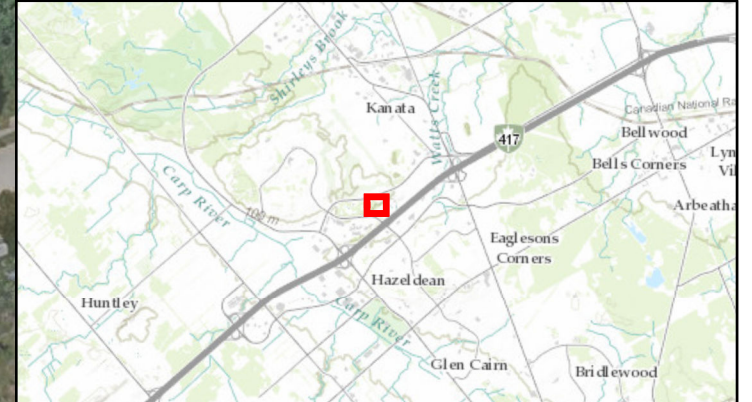


Client:			Bayview Hospitality Group		
Title:			Tree Inventory - City Lands		
Prepared By:					
201-03048-00	1:1,200	Review: AO			
Date: November 2021		Figure: 2 6475 Campeau Dr (Parcel 1, Phase 2)			
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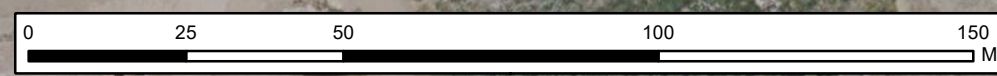


-  Study Area
-  Tree Inventory (within 3m of City Property)
-  City Property
-  Limit of Disturbance (5m from Southern Limit)
-  Critical Root Zone (CRZ) - Impacted Tree Buffer
-  Critical Root Zone (CRZ) - Non-Impacted Tree Buffer
-  Undisturbed Area
-  Cleared Limit (approximate)
-  Cleared Limit (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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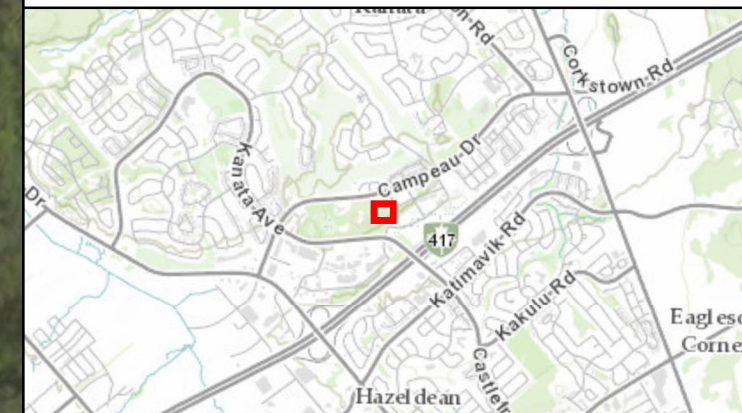
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-  Study Area
-  Impacted Tree Location
-  City Property
-  Limit of Disturbance (5m from Southern Limit)
-  Critical Root Zone (CRZ) - Impacted Tree Buffer
-  Critical Root Zone (CRZ) - Non-Impacted Tree Buffer
-  Undisturbed Area
-  Cleared Limit (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
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Date: November 2021	Figure: 4
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