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URBAN FORESTRY & FOREST MANAGEMENT CONSULTING

March 5, 2025

Gino Aiello, Landscape Architect
GJA Inc.
110 Didsbury Road, Unit #9
Ottawa, ON K2T 0G5

RE: TREE CONSERVATION REPORT – 145 WALGREEN ROAD, OTTAWA

This Tree Conservation Report (TCR) was prepared by IFS Associates Inc. (IFS) in support of a site plan application for 145 Walgreen Road in Ottawa. The need for this report is related to trees protected under the City of Ottawa's Tree Protection By-law (By-law No. 2020-340). The proposed construction includes the expansion of an existing parking area, an addition to an existing shop building and installation of a stormwater management area.

Under the Tree Protection By-law, a TCR is required for all plans of subdivision, site plan control applications, common elements condominium applications, and vacant land condominium applications where there is a tree of 10 cm in diameter at breast height (DBH) or greater on a site and/or if there is a tree on an adjacent site that has a critical root zone (CRZ) extending onto a development site. Trees of any size on adjacent City lands must also be documented in a TCR. A "tree" is defined in the By-law as any species of woody perennial plant, including its root system, which has reached or can reach a minimum height of at least 450 cm at physiological maturity. The CRZ is calculated as DBH x 10 cm.

The approval of this TCR by the City of Ottawa and the issuing of a permit by them authorize the removal of approved trees. **Importantly, although this report may be used to support the application for a city tree removal permit, it does not by itself constitute permission to remove trees or begin site clearing activities. No such work should occur before a tree removal permit is issued by the City's General Manager authorizing the injury or destruction of a tree in accordance with the by-law. In this instance, trees along the west and north property lines will need to be removed early in preparation for the installation of a compressed natural gas (CNG) facility.**

The inventory in this report details the assessment of all individual trees on the subject and adjacent private property, including trees on nearby City of Ottawa property. Any endangered tree species were identified as well. Field work for this revised report was completed in June 2024.

TREE SPECIES, CONDITION, SIZE AND OWNERSHIP STATUS

The table on pages 4 through 10 of this report details the species, size (diameter), condition, ownership and preservation status of the individual trees on and directly adjacent to the subject property. Each of these trees is referenced by the numbers plotted on the plans included in Figures 1 and 2 on pages 11 and 12.

METHODOLOGY

The tree inventory was conducted in November 2024, by systematically traveling through the subject property and taking note of any tree which had a DBH of 10cm or greater. The same was done for 10m-wide swath on surrounding properties.

PROVINCIAL REGULATIONS

Certain provincial regulations are applicable to trees on private property. In particular, the Endangered Species Act – ESA (2007) mandates that tree species on the Species at Risk in Ontario (SARO) list be identified. Butternut (*Juglans cinerea*) and black ash (*Fraxinus nigra*) are present in Eastern Ontario, and both are listed as threatened on the SARO. Because of this these species are protected from harm. No butternut or black ash trees were located on or within 50m of the subject property.

FEDERAL REGULATIONS

Federal regulations can be applicable to trees on private property. In particular, the Migratory Bird Convention Act (1994) requires bird nest surveys be performed by a suitably trained person no more than five (5) days before trees or other similar nesting habitat are removed. Nest surveys are required between April and August of each year.

TREE PROTECTION AND PRESERVATION MEASURES

Protection measures intended to mitigate damage during construction will be applied to all the trees to be preserved. The following measures are the minimum required by the City of Ottawa to ensure tree survival during and following construction:

1. Erect a protective fence as close as possible to the critical root zone (CRZ) of trees (City of Ottawa tree protection barrier detail included on page 3).
2. Do not place any material or equipment within the CRZ of the tree.
3. Do not attach any signs, notices or posters to any tree.
4. Do not raise or lower the existing grade within the CRZ without approval.
5. Tunnel or bore when digging within the CRZ of a tree.
6. Do not damage the root system, trunk or branches of any tree.
7. Ensure that exhaust fumes from all equipment are NOT directed towards any tree's crown.

Please do not hesitate to contact me with any questions concerning this report.

Yours,



Andrew K. Boyd, B.Sc.F, R.P.F. (#1828)
Certified Arborist #ON-0496A
Consulting Urban Forester

TABLE 1: TREE LOCATIONS

TREE ID	UTM NAD83	SPECIES	DBH (cm)							AVG DBH (cm)	CRITICAL ROOT ZONE (m)	HEALTH	COMMENTS	OWNERSHIP	PRESERVATION STATUS
1	18 T 424781 5013374	White Spruce	29							29	2.9	Good	Single Stem	Proponent	Remove
2	18 T 424785 5013376	White Spruce	35							35	3.5	Good	Single Stem	Proponent	Remove
3	18 T 424787 5013378	White Spruce	10							10	1	Good	Single Stem	Proponent	Remove
4	18 T 424792 5013381	Trembling Aspen	17							17	1.7	Good	Single Stem	Proponent	Remove
5	18 T 424865 5013381	White Ash	10							10	1	Good	Single Stem	Neighbor	Retention
6	18 T 424743 5013342	White Spruce	35							35	3.5	Good	Single Stem	Proponent	Remove
7	18 T 424741 5013344	American Elm	20							20	2	Dead	Branch and Bark Falling Off. Single Stem	Proponent	Remove
8	18 T 424741 5013340	White Spruce	12							12	1.2	Good	Single Stem	Proponent	Remove
9	18 T 424742 5013337	White Ash	14							14	1.4	Dead	Branch and Bark Falling Off. Single Stem	Proponent	Remove
10	18 T 424740 5013338	White Spruce	16							16	1.6	Dead	Branch and Bark Falling Off. Single Stem	Proponent	Remove
11	18 T 424740 5013340	Trembling Aspen	20							20	2	Good	Single Stem	Proponent	Remove
12	18 T 424740 5013338	Trembling Aspen	18							18	1.8	Good	Single Stem	Proponent	Remove
13	18 T 424740 5013335	Trembling Aspen	23	18						20.5	2.05	Good	Multistem	Proponent	Remove
14	18 T 424739 5013335	Trembling Aspen	15							15	1.5	Good	Single Stem	Proponent	Remove
15	18 T 424738 5013333	Trembling Aspen	25							25	2.5	Good	Single Stem	Proponent	Remove
16	18 T 424739 5013333	Trembling Aspen	25							25	2.5	Good	Single Stem	Proponent	Remove
17	18 T 424736 5013334	Trembling Aspen	22							22	2.2	Good	Single Stem	Proponent	Remove
18	18 T 424735 5013332	Trembling Aspen	28							28	2.8	Good	Single Stem	Proponent	Remove
19	18 T 424733 5013330	Trembling Aspen	24							24	2.4	Good	Single Stem	Proponent	Remove

TREE ID	UTM NAD83	SPECIES	DBH (cm)								AVG DBH (cm)	CRITICAL ROOT ZONE (m)	HEALTH	COMMENTS	OWNERSHIP	PRESERVATION STATUS
20	18 T 424733 5013329	Trembling Aspen	18								18	1.8	Good	Single Stem	Proponent	Remove
21	18 T 424732 5013329	White Spruce	11								11	1.1	Good	Single Stem	Proponent	Remove
22	18 T 424732 5013329	White Spruce	20								20	2	Good	Single Stem	Proponent	Remove
23	18 T 424730 5013327	White Birch	17	10							13.5	1.35	Good	Multistem	Proponent	Remove
24	18 T 424728 5013327	Trembling Aspen	19	11							15	1.5	Good	Multistem	Proponent	Remove
25	18 T 424725 5013324	White Spruce	10								10	1	Good	Single Stem	Proponent	Remove
26	18 T 424726 5013323	Trembling Aspen	20								20	2	Good	Single Stem	Proponent	Remove
27	18 T 424723 5013321	White Ash	10								10	1	Poor	Bark Falling Off. Single Stem	Proponent	Remove
28	18 T 424723 5013320	White Ash	16								16	1.6	Poor	Bark Falling Off. Single Stem	Proponent	Remove
29	18 T 424722 5013321	White Cedar	14								14	1.4	Good	Single Stem	Proponent	Remove
30	18 T 424723 5013322	White Cedar	15								15	1.5	Good	Single Stem	Proponent	Remove
31	18 T 424722 5013321	White Ash	15								15	1.5	Poor	Bark Falling Off. Single Stem	Proponent	Remove
32	18 T 424722 5013318	Basswood	14	14							14	1.4	Good	Multistem	Proponent	Remove
33	18 T 424724 5013319	Sugar Maple	26	13							19.5	1.95	Good	Multistem	Proponent	Remove
34	18 T 424724 5013318	Balsam Fir	16								16	1.6	Good	Single Stem	Proponent	Remove
35	18 T 424722 5013318	White Ash	21								21	2.1	Poor	Bark Falling Off. Single Stem	Proponent	Remove
36	18 T 424722 5013319	White Spruce	10								10	1	Dead	Branch and Bark Falling Off. Single Stem	Proponent	Remove
37	18 T 424723 5013321	Trembling Aspen	21	24							22.5	2.25	Good	Multistem	Proponent	Remove
38	18 T 424720 5013317	Sugar Maple	13								13	1.3	Good	Single Stem	Proponent	Remove
39	18 T 424719 5013315	White Birch	11								11	1.1	Good	Single Stem	Proponent	Remove
40	18 T 424717 5013314	White Spruce	13								13	1.3	Good	Single Stem	Proponent	Remove

TREE ID	UTM NAD83	SPECIES	DBH (cm)								AVG DBH (cm)	CRITICAL ROOT ZONE (m)	HEALTH	COMMENTS	OWNERSHIP	PRESERVATION STATUS	
41	18 T 424719 5013312	White Birch	16								16	1.6	Good	Single Stem	Proponent	Remove	
42	18 T 424718 5013313	Trembling Aspen	29	30							29.5	2.95	Good	Multistem	Proponent	Remove	
43	18 T 424714 5013317	Balsam Fir	12								12	1.2	Good	Single Stem	Proponent	Remove	
44	18 T 424708 5013309	Scots Pine	20								20	2	Good	Single Stem	Proponent	Remove	
45	18 T 424708 5013309	Scots Pine	16								16	1.6	Good	Single Stem	Proponent	Remove	
46	18 T 424707 5013307	Scots Pine	16								16	1.6	Good	Single Stem	Proponent	Remove	
47	18 T 424707 5013307	Scots Pine	20								20	2	Good	Single Stem	Proponent	Remove	
48	18 T 424706 5013307	Scots Pine	17								17	1.7	Good	Single Stem	Proponent	Remove	
49	18 T 424703 5013305	Scots Pine	19								19	1.9	Good	Single Stem	Proponent	Remove	
50	18 T 424702 5013305	Scots Pine	19								19	1.9	Good	Single Stem	Proponent	Remove	
51	18 T 424703 5013304	Scots Pine	18								18	1.8	Good	Single Stem	Proponent	Remove	
52	18 T 424700 5013305	Scots Pine	10								10	1	Poor	Needle Dieback. Sapsucker Holes. Single Stem	Proponent	Remove	
53	18 T 424697 5013309	Trembling Aspen	15								15	1.5	Good	Single Stem	Proponent	Remove	
54	18 T 424698 5013305	White Birch	10	12	14	15	15	15	16	10	15	13.5555556	1.35555556	Good	Multistem	Proponent	Remove
55	18 T 424698 5013304	Trembling Aspen	20								20	2	Good	Single Stem	Proponent	Remove	
56	18 T 424699 5013303	Trembling Aspen	19								19	1.9	Good	Single Stem	Proponent	Remove	
57	18 T 424700 5013302	Trembling Aspen	20								20	2	Good	Single Stem	Proponent	Remove	
58	18 T 424703 5013301	Basswood	22	19							20.5	2.05	Good	Multistem	Proponent	Remove	
59	18 T 424705 5013300	Red Oak	26								26	2.6	Good	Single Stem	Proponent	Remove	
60	18 T 424705 5013298	White Cedar	10								10	1	Good	Single Stem	Proponent	Remove	
61	18 T 424706 5013298	Trembling Aspen	13								13	1.3	Good	Single Stem	Proponent	Remove	

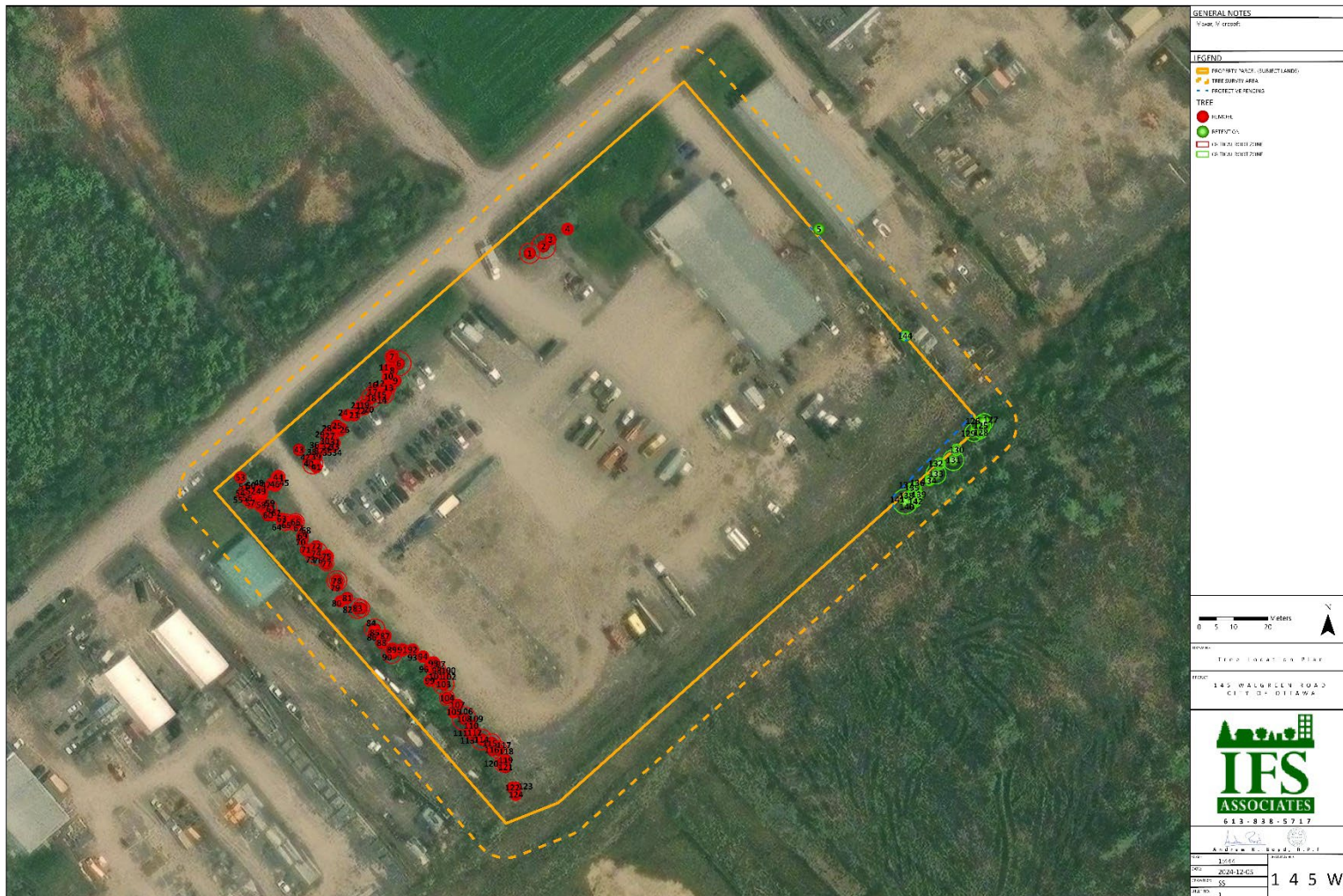
TREE ID	UTM NAD83	SPECIES	DBH (cm)								AVG DBH (cm)	CRITICAL ROOT ZONE (m)	HEALTH	COMMENTS	OWNERSHIP	PRESERVATION STATUS
62	18 T 424707 5013298	White Spruce	14								14	1.4	Good	Single Stem	Proponent	Remove
63	18 T 424709 5013297	Gray Birch	17	15							16	1.6	Good	Multistem	Proponent	Remove
64	18 T 424710 5013296	Trembling Aspen	24								24	2.4	Good	Single Stem	Proponent	Remove
65	18 T 424711 5013296	Trembling Aspen	21	22							21.5	2.15	Poor	Branch and Bark Falling Off. Multitem	Proponent	Remove
66	18 T 424713 5013296	Balsam Fir	18								18	1.8	Good	Single Stem	Proponent	Remove
67	18 T 424713 5013296	Trembling Aspen	25								25	2.5	Poor	Branch and Bark Falling Off. Single Stem	Proponent	Remove
68	18 T 424713 5013296	Trembling Aspen	20								20	2	Good	Single Stem	Proponent	Remove
69	18 T 424715 5013292	Basswood	12								12	1.2	Good	Single Stem	Proponent	Remove
70	18 T 424715 5013291	Trembling Aspen	13								13	1.3	Good	Single Stem	Proponent	Remove
71	18 T 424716 5013288	White Birch	10	16	12	15					13.25	1.325	Good	Multistem	Proponent	Remove
72	18 T 424719 5013289	White Birch	10	15	17	19	10				14.2	1.42	Good	Multistem	Proponent	Remove
73	18 T 424718 5013287	Trembling Aspen	19								19	1.9	Good	Single Stem	Proponent	Remove
74	18 T 424719 5013287	Trembling Aspen	33								33	3.3	Good	Single Stem	Proponent	Remove
75	18 T 424722 5013286	Sugar Maple	20								20	2	Dead	Leaning. Single Stem	Proponent	Remove
76	18 T 424722 5013286	Trembling Aspen	17								17	1.7	Dead	Broken @ 5m. Single Stem	Proponent	Remove
77	18 T 424722 5013284	Trembling Aspen	21								21	2.1	Good	Single Stem	Proponent	Remove
78	18 T 424725 5013279	Trembling Aspen	21								21	2.1	Good	Single Stem	Proponent	Remove
79	18 T 424725 5013279	Trembling Aspen	29								29	2.9	Good	Single Stem	Proponent	Remove
80	18 T 424725 5013278	Trembling Aspen	18								18	1.8	Good	Single Stem	Proponent	Remove
81	18 T 424728 5013274	Trembling Aspen	13								13	1.3	Good	Single Stem	Proponent	Remove
82	18 T 424726 5013273	Sugar Maple	16								16	1.6	Good	Single Stem	Proponent	Remove

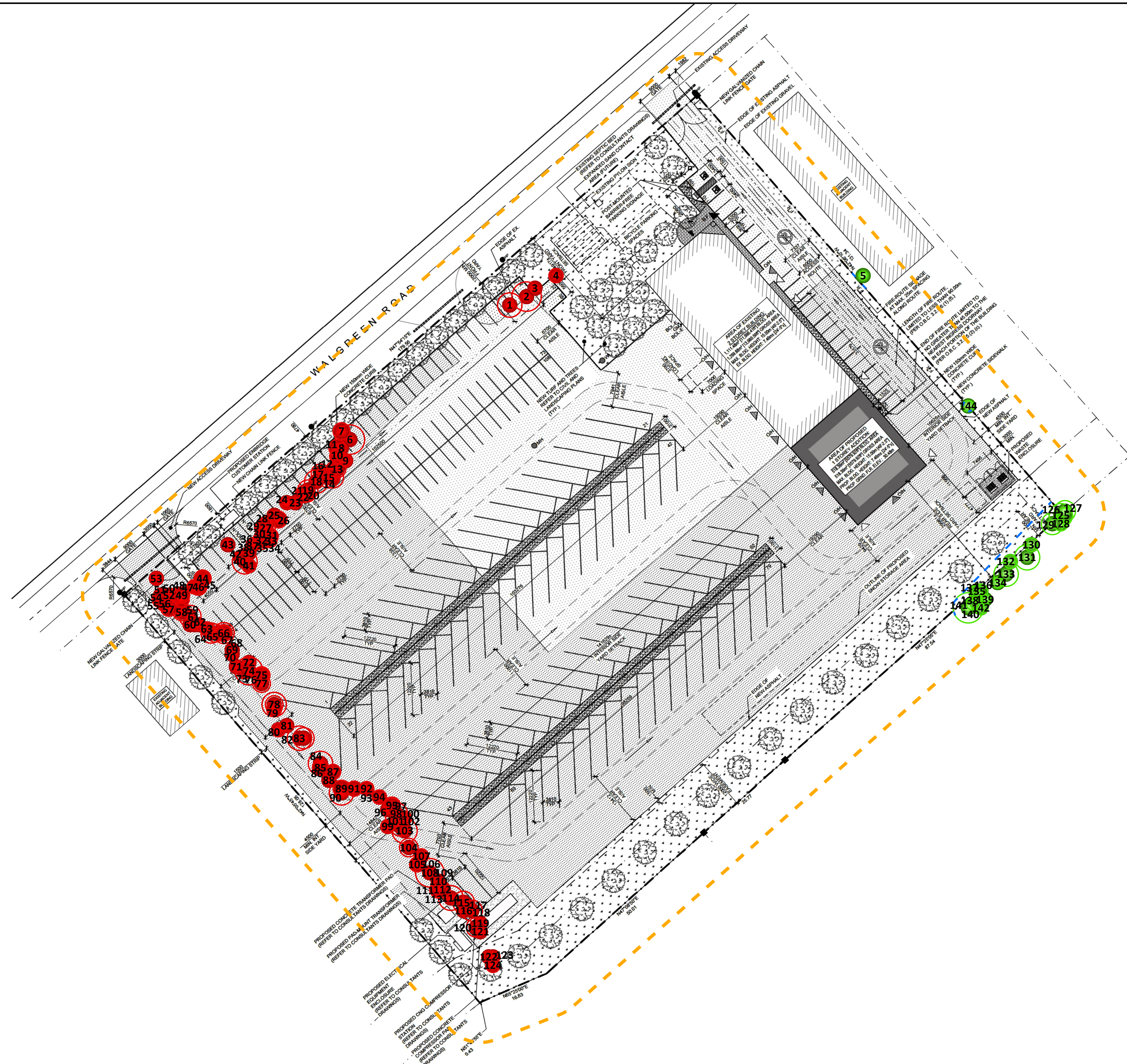
TREE ID	UTM NAD83	SPECIES	DBH (cm)								AVG DBH (cm)	CRITICAL ROOT ZONE (m)	HEALTH	COMMENTS	OWNERSHIP	PRESERVATION STATUS
83	18 T 424731 5013271	Red Oak	29								29	2.9	Good	Single Stem	Proponent	Remove
84	18 T 424732 5013271	Trembling Aspen	25								25	2.5	Good	Single Stem	Proponent	Remove
85	18 T 424736 5013264	Trembling Aspen	19								19	1.9	Good	Single Stem	Proponent	Remove
86	18 T 424736 5013265	Gray Birch	29								29	2.9	Good	Single Stem	Proponent	Remove
87	18 T 424739 5013263	Trembling Aspen	18								18	1.8	Good	Single Stem	Proponent	Remove
88	18 T 424738 5013261	Trembling Aspen	11								11	1.1	Good	Single Stem	Proponent	Remove
89	18 T 424741 5013259	Trembling Aspen	17	23							20	2	Good	Multistem	Proponent	Remove
90	18 T 424741 5013258	Gray Birch	29								29	2.9	Poor	Branch Dieback. Single Stem	Proponent	Remove
91	18 T 424744 5013259	Trembling Aspen	18								18	1.8	Good	Single Stem	Proponent	Remove
92	18 T 424747 5013259	White Ash	17								17	1.7	Poor	Bark Falling Off. Single Stem	Proponent	Remove
93	18 T 424747 5013259	Trembling Aspen	16								16	1.6	Good	Single Stem	Proponent	Remove
94	18 T 424750 5013257	Trembling Aspen	17								17	1.7	Good	Single Stem	Proponent	Remove
95	18 T 424753 5013255	Trembling Aspen	18								18	1.8	Good	Single Stem	Proponent	Remove
96	18 T 424753 5013255	Trembling Aspen	20								20	2	Good	Single Stem	Proponent	Remove
97	18 T 424752 5013254	Balsam Fir	10								10	1	Good	Single Stem	Proponent	Remove
98	18 T 424754 5013253	Trembling Aspen	27								27	2.7	Good	Single Stem	Proponent	Remove
99	18 T 424752 5013250	Trembling Aspen	16								16	1.6	Dead	Branch and Bark Falling Off. Single Stem	Proponent	Remove
100	18 T 424754 5013251	White Cedar	11								11	1.1	Good	Single Stem	Proponent	Remove
101	18 T 424755 5013250	Trembling Aspen	23								23	2.3	Good	Single Stem	Proponent	Remove
102	18 T 424756 5013252	White Cedar	15								15	1.5	Good	Single Stem	Proponent	Remove
103	18 T 424756 5013249	White Cedar	30								30	3	Good	Single Stem	Proponent	Remove

TREE ID	UTM NAD83	SPECIES	DBH (cm)								AVG DBH (cm)	CRITICAL ROOT ZONE (m)	HEALTH	COMMENTS	OWNERSHIP	PRESERVATION STATUS
104	18 T 424757 5013245	Trembling Aspen	22								22	2.2	Good	Single Stem	Proponent	Remove
105	18 T 424759 5013241	White Spruce	13	11							12	1.2	Good	Multistem	Proponent	Remove
106	18 T 424759 5013241	Trembling Aspen	18								18	1.8	Good	Single Stem	Proponent	Remove
107	18 T 424760 5013243	White Spruce	17								17	1.7	Good	Single Stem	Proponent	Remove
108	18 T 424762 5013239	Trembling Aspen	34								34	3.4	Dead	Broken @ 4m. Single Stem	Proponent	Remove
109	18 T 424762 5013239	White Spruce	10								10	1	Good	Single Stem	Proponent	Remove
110	18 T 424764 5013237	White Spruce	10								10	1	Good	Single Stem	Proponent	Remove
111	18 T 424764 5013236	White Spruce	15								15	1.5	Good	Single Stem	Proponent	Remove
112	18 T 424765 5013235	White Spruce	19								19	1.9	Good	Single Stem	Proponent	Remove
113	18 T 424764 5013235	Trembling Aspen	20								20	2	Good	Single Stem	Proponent	Remove
114	18 T 424767 5013233	Sugar Maple	29	30							29.5	2.95	Poor	Bark Falling Off. Multistem	Proponent	Remove
115	18 T 424770 5013232	White Cedar	26								26	2.6	Good	Single Stem	Proponent	Remove
116	18 T 424770 5013230	Balsam Fir	10								10	1	Good	Single Stem	Proponent	Remove
117	18 T 424771 5013231	Balsam Fir	10								10	1	Good	Single Stem	Proponent	Remove
118	18 T 424772 5013230	White Cedar	25								25	2.5	Good	Single Stem	Proponent	Remove
119	18 T 424774 5013227	Trembling Aspen	13								13	1.3	Good	Single Stem	Proponent	Remove
120	18 T 424773 5013226	White Cedar	23								23	2.3	Poor	Leaf and Branch Dieback. Single Stem	Proponent	Remove
121	18 T 424774 5013225	White Cedar	10								10	1	Good	Single Stem	Proponent	Remove
122	18 T 424776 5013219	White Spruce	14								14	1.4	Good	Single Stem	Proponent	Remove
123	18 T 424777 5013219	White Spruce	13								13	1.3	Good	Single Stem	Proponent	Remove
124	18 T 424777 5013217	Gray Birch	17								17	1.7	Good	Single Stem	Proponent	Remove

TREE ID	UTM NAD83	SPECIES	DBH (cm)								AVG DBH (cm)	CRITICAL ROOT ZONE (m)	HEALTH	COMMENTS	OWNERSHIP	PRESERVATION STATUS
125	18 T 424912 5013324	Sugar Maple	28								28	2.8	Good	Single Stem	Neighbor	Retention
126	18 T 424913 5013324	White Spruce	18								18	1.8	Good	Single Stem	Neighbor	Retention
127	18 T 424913 5013325	Trembling Aspen	25								25	2.5	Good	Single Stem	Neighbor	Retention
128	18 T 424912 5013322	White Spruce	17								17	1.7	Good	Single Stem	Neighbor	Retention
129	18 T 424910 5013322	Trembling Aspen	26								26	2.6	Good	Single Stem	Neighbor	Retention
130	18 T 424905 5013317	White Spruce	16								16	1.6	Good	Single Stem	Neighbor	Retention
131	18 T 424904 5013314	Trembling Aspen	30								30	3	Poor	Branch Dieback. Single Stem	Neighbor	Retention
132	18 T 424900 5013313	White Spruce	16								16	1.6	Good	Single Stem	Neighbor	Retention
133	18 T 424899 5013310	Trembling Aspen	29								29	2.9	Good	Single Stem	Neighbor	Retention
134	18 T 424897 5013308	Trembling Aspen	13								13	1.3	Good	Single Stem	Neighbor	Retention
135	18 T 424892 5013306	Trembling Aspen	14								14	1.4	Good	Single Stem	Neighbor	Retention
136	18 T 424893 5013306	Trembling Aspen	16								16	1.6	Good	Single Stem	Neighbor	Retention
137	18 T 424892 5013305	Trembling Aspen	15								15	1.5	Good	Single Stem	Neighbor	Retention
138	18 T 424893 5013305	Trembling Aspen	10								10	1	Good	Single Stem	Neighbor	Retention
139	18 T 424894 5013304	Trembling Aspen	12								12	1.2	Good	Single Stem	Neighbor	Retention
140	18 T 424892 5013303	Trembling Aspen	15								15	1.5	Good	Single Stem	Neighbor	Retention
141	18 T 424891 5013303	Trembling Aspen	15								15	1.5	Good	Single Stem	Neighbor	Retention
142	18 T 424893 5013302	Trembling Aspen	16								16	1.6	Good	Single Stem	Neighbor	Retention
143	18 T 424890 5013302	Trembling Aspen	36								36	3.6	Poor	Branch Dieback. Single Stem	Neighbor	Retention
144	18 T 424890 5013350	Trembling Aspen	13								13	1.3	Good	Single Stem	Shared	Retention

Figure 1 TREE LOCATIONS & SEARCH AREA

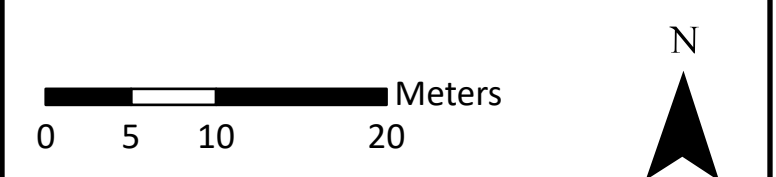




GENERAL NOTES

LEGEND

- TREE SURVEY AREA
- PROTECTIVE FENCING
- TREE
 - REMOVE
 - RETENTION
 - CRITICAL ROOT ZONE
 - CRITICAL ROOT ZONE



DRAWING: Tree Location Plan

PROJECT: 145 WALGREEN ROAD
CITY OF OTTAWA



Andrew K. Boyd, R.P.F.
SCALE: 1:444
DATE: 2025-03-03
DRAWN BY: SS
SHEET NO. 1
1 4 5 W