

NOVEMBER 19, 2020

PROJECT NO: 1953-5729

Georgian Communities
85 Bayfield Street, Suite 500
Barrie, ON L4M 3A7

Attention: Jay Beech, Manager of Development

**RE: 400 MAPLE STREET, TOWN OF COLLINGWOOD
TREE INVENTORY AND ASSESSMENT UPDATE**

Dear Mr. Beech,

C.F. Crozier & Associates was retained to provide an update to tree inventory and assessment work previously completed to support the 400 Maple Street development in the Town of Collingwood. Previously tree assessment reports were completed by WillowStone (July 12, 2006) and Arboreal Tree Care Professionals (December 5, 2016). The purpose of this letter is to provide an updated evaluation of the vigour and health of the trees. This tree inventory and assessment update letter shall be read in conjunction with the previously issued arborist reports and updated servicing, grading and landscape design intent plans.

Methodology

Field Observations

Following our review of the previous arborist reports and current Site Plan, we inventoried and assessed the trees within and immediately adjacent to the development property on October 14, 2020. The trees were still in full foliage and were just beginning to exhibit fall colour. Trees were evaluated for health, structure and risk potential. The on-site inventory of existing trees was carried out using the current survey, and most current aerial photography of the property. No trees were tagged as part of this inventory. Only trees over 10cm dbh were assessed, and each tree was evaluated from the ground. No permission was granted to access the trees on the neighbouring properties, and therefore those trees were assessed from inside the 400 Maple Street property limits.

Tree Inventory & Assessment

Seventeen (17) trees were inventoried: one (1) on the development, eight (8) within Town right-of-way, and eight (8) on the neighbouring properties. The inventory is summarized graphically in the Tree Management Plan (attached), which shall always be read in conjunction with this letter. The trees are identified in terms of species, condition and recommendations. The condition of trees range from excellent to poor.

To guide an accurate appraisal of the tree condition, six factors were studied: trunk condition, growth rate, structure, insect and disease problems, crown development, and life expectancy. Each factor is given a rating between either one and three or one and five, with the higher number being the better rating. Each of these ratings and factors criteria is described in the table below.

Rating	Description
Trunk Condition	
5	Tree Trunk is sound and solid throughout, has no visible deterioration present and no visible damage to bark and cambium
3	Minor cambium damage
1	Extensive decay, hollowness and some bark and cambium damage
Growth Rate	
3	More than 6" twig elongation
2	2-6" of twig elongation
1	Less than 2" of twig elongation
Structure	
5	No major limbs dead, broken or missing, no narrow crotch angles and good radial branch distribution
4	Good radial branch distribution, but one that has a narrow crotch angle
3	One of the major limbs is dead or broken, destroying the radial balance of the structure
2	A tree has 2 or 3 major branches forming narrow crotches with at least one being broken
1	Two or more major limbs area dead, broken or missing, and there are several narrow crotch angles present
Insect & Disease Problems	
3	There are no pests present
2	There are one or two minor insect or disease problems, such as leaf feeders or leaf disease
1	Insect or disease problem is serious, such as canker disease, wilt disease, bark beetles or wood borers
Crown Development	
5	A dense leafy crown that is evenly balanced on all sides
4	Slightly unbalanced crown with development extended slightly in one direction
3	Thin crown or a severe imbalance
2	Slight imbalance combined with a thin crown
1	Thin crown with severe imbalance
Life Expectancy	
5	Over 30 years
4	20-30 years
3	15-20 years
2	5-15 years
1	Less than 5 years

In reviewing the six factors of condition, all factors combined range from 6 to 26. This range is distributed over the five condition classes as follows:

Rating for Condition Class	
Condition Class	Rating Points
Excellent	23-26
Good	19-22
Fair	14-18
Poor	10-13
Very Poor	6-9

ID No.	Latin Name	Common Name	Trunk Condition	Growth Rate	Structure	Insect & Disease Problems	Crown Development	Life Expectancy	Rating
1	<i>Acer saccharinum</i>	Silver Maple	3	1	2	2	2	2	12
2	<i>Acer saccharinum</i>	Silver Maple	3	1	2	2	3	2	13
3	<i>Fraxinus pennsylvanica</i>	Green Ash	3	2	4	3	5	2	19
4	<i>Acer saccharinum</i>	Silver Maple	5	2	2	2	3	3	17
5	<i>Acer saccharinum</i>	Silver Maple	5	2	2	2	2	2	15
6	<i>Acer platanoides</i>	Norway Maple	5	3	4	3	5	5	25
7	<i>Robinia pseudoacacia</i>	Black Locust	3	2	2	3	4	3	17
8	<i>Acer saccharinum</i>	Silver Maple	3	2	4	3	3	3	18
9	<i>Robinia pseudoacacia</i>	Black Locust	3	2	2	3	3	2	15
10	<i>Ulmus spp.</i>	Elm	3	2	1	3	3	3	15
11	<i>Picea spp.</i>	Spruce	5	2	3	3	4	4	21
12	<i>Picea spp.</i>	Spruce	5	2	3	3	4	4	21
13	<i>Acer negundo</i>	Manitoba Maple	3	2	2	2	3	4	16
14	<i>Acer negundo</i>	Manitoba Maple	3	2	2	2	3	4	16
15	<i>Acer negundo</i>	Manitoba Maple	3	2	2	2	3	4	16
16	<i>Gleditsia spp.</i>	Honeylocust	3	3	4	3	3	5	23
17	<i>Acer platanoides</i>	Norway Maple	3	3	5	3	5	5	24

ID No.	Latin Name	Common Name	Hazardous	Condition	Location	Remove/Retain	Comments
1	<i>Acer saccharinum</i>	Silver Maple	Yes	Poor	Town ROW	Remove	Construction conflicts
2	<i>Acer saccharinum</i>	Silver Maple	Yes	Poor	Town ROW	Remove	Construction conflicts
3	<i>Fraxinus pennsylvanica</i>	Green Ash	No	Good	Town ROW	Remove	Construction conflicts
4	<i>Acer saccharinum</i>	Silver Maple	Yes	Fair	Town ROW	Remove	Construction conflicts
5	<i>Acer saccharinum</i>	Silver Maple	Yes	Fair	Town ROW	Remove	Construction conflicts
6	<i>Acer platanoides</i>	Norway Maple	Yes	Excellent	Town ROW	Remove	Construction conflicts
7	<i>Robinia pseudoacacia</i>	Black Locust	Yes	Fair	Town ROW	Remove	Construction conflicts
8	<i>Acer saccharinum</i>	Silver Maple	Yes	Fair	Town ROW	Remove	Construction conflicts
9	<i>Robinia pseudoacacia</i>	Black Locust	Yes	Fair	139 Sixth St.	Retain	Hazardous branch overhangs require pruning – engagement with the neighbouring property owner is required
10	<i>Ulmus spp.</i>	Elm	Yes	Fair	139 Sixth St.	Retain	Hazardous branch overhangs require pruning – engagement with the neighbouring property owner is required
11	<i>Picea spp.</i>	Spruce	No	Good	139 Sixth St.	Retain	
12	<i>Picea spp.</i>	Spruce	No	Good	139 Sixth St.	Retain	
13	<i>Acer negundo</i>	Manitoba Maple	Yes	Fair	139 Sixth St.	Retain	Hazardous branches require pruning – engagement with the neighbouring property owner is required. Trees may require complete removal.
14	<i>Acer negundo</i>	Manitoba Maple	Yes	Fair	139 Sixth St.	Retain	Hazardous branches require pruning – engagement with the neighbouring property owner is required. Trees may require complete removal.
15	<i>Acer negundo</i>	Manitoba Maple	Yes	Fair	139 Sixth St.	Retain	Hazardous branches require pruning – engagement with the neighbouring property owner is required. Trees may require complete removal.
16	<i>Gleditsia spp.</i>	Honeylocust	No	Excellent	138 Fifth St.	Retain	
17	<i>Acer platanoides</i>	Norway Maple	No	Excellent	400 Maple St.	Remove	Construction conflicts

* These tree inventory and assessment charts shall be read in conjunction with the previously issued arborist reports.

Conclusion

Overall, the general condition of the trees inventoried were of low quality. A number of the trees have coppice growth, and several of those stems create a hazardous situation (greater than 30° lean). Due to the proximity to the proposed development works, nine (9) trees are recommended for removal, and six (6) trees are recommended for pruning due to hazardous limbs, which may facilitate their removal. Engagement with the neighbouring property owner will be required.

Should you have any questions or require any further information, please do not hesitate to contact the undersigned.

Sincerely,

C.F. CROZIER & ASSOCIATES INC.



Katie Wardrop, OALA, CSLA
Intermediate Landscape Architect

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Enclosure

Tree Management Plan (Crozier, Rev. 1 – November 19, 2020)

Tree Assessment at the Victoria Annex development in Collingwood (WillowStone, July 12, 2006)

Arborist Report – Annex Project (Arboreal Tree Care Professionals, December 5, 2016)

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C.F. CROZIER & ASSOCIATES INC.



Mike Hensel, OALA, CSLA
Senior Development Consultant