

THOMSON WATSON CONSULTING ARBORISTS Inc

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December 12, 2022 (revised July 14 and November 14, 2023, January 4 and November 7, 2024)

Douglas W. Kerr and Associates
1595 Sixteenth Avenue, Suite 301
Richmond Hill, Ontario. L4B 3N9

Re: Tree Preservation and Protection Report (Arborist Report) for Canadian Tire Store at Old Mountain Road and Balsam Street, Collingwood

Thomson Watson Consulting Arborists Inc. was asked to prepare a Tree Preservation and Protection Report (Arborist Report) for the Canadian Tire Store located at Old Mountain Road and Balsam Street in Collingwood. It is proposed to build additions on the north, west and south sides of the existing building. An engineering storm line will be installed from the back driveway area to the conservation area and creek. This report provides information on trees located on the property, proposes trees to be removed and recommends tree protection during construction.

INSPECTION

The trees were inspected on June 17, 2021. All trees of any size on the municipal boulevard and private trees with diameters of 15 cm or more (measured at 1.4 metres from grade) on the subject property or adjacent to the subject property were examined and inventoried.

For each tree, the species was identified, diameter measured 1.4 metres from grade (unless indicated otherwise) and the health and structural condition determined. Tree inspection was limited to visual on-ground examination without dissection, excavation, probing, or coring. Furthermore, any data and information collected is based on the conditions at the time of inspection. The tree inventory information is attached as a six page excel spreadsheet titled Tree Inventory. The number given each protected tree was placed on the Tree Preservation Plan and the Landscape Plan. Photographs of the significant trees are attached.

PLANS PROVIDED

The following plans were provided to the Arborist for use within this report:

- Plan of Survey with Topography by Speight, Van Nostrand & Gibson Ltd undated
- A1.0 Site Plan W/ Zoning Information by RAI Architect Inc. re-issued for SPA 10-31-24
- Site Servicing Plan and
Site Grading and Erosion Control Plan by Odan-Detech revised JAN 04/24
- A01L Tree Preservation Plan and
A02L Landscape Plan by Douglas W. Kerr & Associates Ltd dated NOV., 07, 2024

DISCUSSION

One hundred and sixty (160) trees were inventoried to the east and west of the Canadian Tire Store. Individual trees within Tree Group 121 and 122 were not individually inventoried, as they were located off site.

Trees 7, 8, 9, 10 and 11 are growing in landscape islands to the east and north of the relocated garden centre compound. Trees 7, 8, 10 and 11 are Little Leaf Lindens; the tight arrangement of branches on the stem has resulted in the death of the main stem. These

trees could be preserved with the dead leader pruned. A Tree Protection Fence should be placed around the edge of the three islands, to keep construction equipment away from the trees.

Trees 123 to 160 are growing to the west of the existing building in a landscape area. A curb separates the landscape area from the asphalt driveway. The addition will extend toward the trees but it is not proposed to expand the width of the existing driveway towards the trees. An engineering storm line will be installed from the driveway curb to the conservation area and creek. This excavation will require the removal of Trees 123, 124 and 125. Trees 123 and 124 are within the excavation and soil storage area. A Tree Protection Fence should be erected approximately 1.8 metres north of Tree 126, extending from the driveway curb to the creek area, to keep soil and excavation equipment off the root system of remaining trees. The Fence will be continued along the driveway curb, to west of Tree 159, to keep construction equipment and materials off the landscape area. Only Trees 123 and 124 will be removed or injured in this area for construction purposes; Tree 125 is dead and should be removed.

One tree and shrubs at the creek edge within the conservation area should require removal to allow the storm line to be installed. These trees were not inventoried so the number of plants, species and trunk diameter is not known.

TREE WORK REQUIRED

Additional trees on site have been recommended for removal. These trees should be brought to the attention of the property owner.

The Chokecherry trees are infected with Black Knot, a fungus that kills off branch and stem tissue and results in black growths on the branches. Trees 54, 61, 70 and 88 have been identified as good tree removals due to the trunk cankers that have interfered with movement of water, oxygen and element movement from roots to canopy. Additional trees will require removal in the future as deadwood develops within tree canopies and existing cankers extend further around the circumference of the trees.

Tree 62 is an Amur Maple which has extensive deadwood in its canopy and little live branches. Additional Amur Maples will require removal in the future as their condition declines.

Tree 96 is an Austrian Pine with a partially failed main union. One stem will fail completely at some point in the future.

Tree 140 is a Trembling Aspen which has a large canker extending around its entire circumference.

Trees 78, 125, 134 and 155 are dead.

TREE PERMITS REQUIRED

It is proposed to remove Trees **123** and **124** (2 trees) for construction purposes. One tree and shrubs at the creek edge within the conservation area should also require removal.

It is recommended to remove the following trees in the future for non-construction purposes:

Poor Structure – Trees **54, 61, 62, 70, 88, 96, 140** (7 trees)

Dead trees – Trees 78, 125, 134, 155 (4 trees)

Trees with numbers which are **bolded** have diameters 15 cm or greater. A list of these trees are provided on an excel spreadsheet titled Trees to be Removed.

Up to four trees with diameters of 15 to <30 cm can be removed without a permit during one calendar year; 7 trees proposed for removal have diameters of 15 to 30 cm. All trees with diameters of 30 cm + require a permit to remove; Tree 96 has a diameter of 33 cm. It is assumed that 100% dead trees would not require a permit.

TREE PROTECTION SPECIFICATIONS

The following Tree Protection Specifications should be followed to protect the trees to be preserved from construction injury.

1.0 Adherence to Conditions from Town of Collingwood

1.1 Compliance with all conditions specified by Town of Collingwood is required.

1.2 Prior to site disturbance the owner must confirm that no migratory birds are making use of the site for nesting. The owner must ensure that the works are in conformance with the Migratory Bird Convention Act and that no migratory bird nests will be impacted by the proposed work.

2.0. Tree Protection Barrier Installation

2.1 Prior to the commencement of any site activity such as site alteration, demolition or construction, the tree protection measures specified on this plan must be installed to the satisfaction of Town of Collingwood.

2.2 Tree Protection Barriers shall be erected to protect the trunk and root system of the trees that will remain on the construction site.

2.3 The Tree Protection Barriers will be placed as shown on the Tree Preservation Plan. The following described the placement of the Barriers relative to the protected trees.

Trees 7, 8, 9, 10, 11 – around edge of landscape islands

Trees 126 – 160 – along edge of driveway curb, extending length of building, along north side of grouping 1.8 metres north of Tree 126, extending from curb to creek.

2.4 The Fence around Trees 7, 8, 9, 10 and 11 will be a constructed of L-shaped supports created from 2 by 4 wood placed 4 feet apart covered with orange snow fencing. A 2-inch by 4-inch wood board will be attached to the top, bottom and diagonals of the snow fencing to provide rigidity to the Fence. The fencing will be securely fastened to the supports. The supports will be anchored in such a way that the Fence cannot be moved but roots are not injured. The bottom of the fence will touch the ground. There will be no gaps in the fence. (See Detail STD No. 1110 below)

2.5 The Fence adjacent to Trees 126 to 160 will be a barricade constructed of L-shaped supports created from 2 by 4 wood placed 4 feet apart covered with 3/4-inch thick, 4-foot high by 8-foot wide plywood or an equivalent material acceptable to the Town of Collingwood. The plywood fencing will be secured attached to each support it covers. The supports will be anchored in such a way that the Fence cannot be moved but roots are not injured. The bottom of the fence will touch the ground. There will be no gaps in the fence. (See Detail STD No. 1110 below)

2.6 To the tree side of the Tree Protection Barrier, the following will be required:
- no disturbance or alteration of the existing grade of any kind;

- no addition of fill, excavating, or scraping to change the grade;
- no storage of building materials or equipment;
- no storage of surplus soil, construction waste, or debris over the root systems of the protected trees;
- no disposal (dumping or flushing) of contaminants or liquids;
- no movement of vehicles (personal or business), equipment or pedestrians.

2.7 Placement of the following items will be outside of the Tree Protection Barrier: parking for construction workers, garbage bins, construction equipment, building supplies, lunch area, washroom facilities. The area to the tree side of the Tree Protection Barrier will not be used for any purpose except the protection of trees and their roots.

2.8 Signs shall be attached to all sides of the Barrier denoting the purpose of the Barrier and indicating the Barrier cannot be moved or removed without the consent of the Town of Collingwood. The sign should be a minimum of 40 cm x 60 cm (15.7" x 23.6") and made of white gator board or equivalent material. The sign will read as follows:

<p>TREE PROTECTION ZONE (TPZ)</p> <p>No grade change, storage of materials, vehicles or equipment is permitted within this TPZ. This tree protection barrier must not be removed without the written authorization of the Town of Collingwood, Planning Services.</p> <p>For information, call the Planning Services Department at xxx-xxx-xxxx</p>
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Tree Protection Barriers

- Tree protection barriers must be 2.4m (8ft) high, plywood clad hoarding or an equivalent approved by Town of Collingwood.
- Tree protection barriers for trees situated on road allowance where visibility must be maintained can be 1.2m (4ft.) high and consist of orange plastic web snow fencing on a wood frame made of 2"x 4"s .
- Where some excavate or fill has to be temporarily located near a tree protection barrier, plywood must be used to ensure no material enters the Tree Protection Zone.
- All supports and bracing should be outside the Tree Protection Zone. All such supports should minimize damaging roots outside the Tree Protection Barrier.
- No construction activity, grade changes, surface treatment or excavations of any kind is permitted within the Tree Protection Zone.

NO.	REVISION	APR'D	DATE

TOWN OF COLLINGWOOD	APR'D: EDH	DATE: JAN/03
TREE PROTECTION	DRAWN:	SCALE: NTS
STD. No.	1110	

2.9 Town of Collingwood will be contacted once the Barriers have been erected so the Barriers can be inspected. Photographs that clearly show the installed tree/site protection shall be provided for Town of Collingwood review.

2.10 Tree protection barriers must remain in place and in good condition during demolition, construction and/or site disturbance, including landscaping, and must not be altered, moved or removed until authorized by Town of Collingwood. Where changes to the location of the approved TPZ or sediment control or where temporary access to the TPZ is proposed, Town of Collingwood must be contacted to obtain approval prior to alteration

3.0 Construction Phase Tree Protection

3.1 Soil that is dug up from the building foundations will be removed off site immediately. A small amount of soil may be stockpiled outside of the Tree Protection Barriers for backfilling the foundation. Any additional soil will be brought in when needed.

3.2 No pruning of the crowns of any tree is permitted by construction staff. If branches are found to be in the way of construction activities or traffic, pruning of trees should be arranged by the Site Supervisor with competent Arborists.

3.3 New underground utilities will be placed outside of the driplines of any tree, to avoid root injury to the trees.

4.0 Post Construction Tree Maintenance

4.1 When all construction has ceased and grading outside the Tree Protection Barriers is complete, Town of Collingwood will be contacted to arrange a site visit. Completeness of the project will be determined.

4.2 Once permission from Town of Collingwood is granted, the Tree Protection Barriers may be removed.

I trust that this report provides the basic information you require. If you have any questions or concerns, please contact me.

Yours truly,

A handwritten signature in black ink, appearing to read "Patricia Thomson", with a long horizontal flourish extending to the right.

Patricia Thomson, B.Sc.F.
I.S.A. Certified Arborist ON-0132A

Attachments: Tree Photographs
Tree Inventory (6 pages)
Trees to be Removed



Trees 7 to 11 within parking lot to east of building



Trees growing to west of driveway at back of building, with curb shown

Inventory Date
June 17, 2021

TREE INVENTORY

Balsam Road at Old Mountain Road, Collingwood, Ontario

Arborist : Patricia Thomson
Thomson Watson Consulting Arborist Inc.

Tree No.	Tree Species	Latin Binomial	Diameter (cm)	Canopy Radius (m)	Condition	Comments
1	Little Leaf Linden	<i>Tilia cordata</i>	14.5	2	fair	very slow growth, sand on open soil area
2	Silver Maple	<i>Acer saccharinum</i>	16.5	2	good	
3	Silver Maple	<i>Acer saccharinum</i>	11.5	1.5	fair	Oystershell Scale on branches, tree splits into two stems at 2m
4	Scots Pine	<i>Pinus sylvestris</i>	36	3.5	good	tree splits into two stems at 4 m with included bark in union, small interior deadwood
5	Scots Pine	<i>Pinus sylvestris</i>	27	2.5	good	
6	Scots Pine	<i>Pinus sylvestris</i>	29.5	3.5	good	
7	Little Leaf Linden	<i>Tilia cordata</i>	13	2	poor-fair	top leader dying, thinning
8	Little Leaf Linden	<i>Tilia cordata</i>	10	1.5	poor	leader dead with dieback down trunk to 30 cm, lateral branches alive
9	Silver Maple	<i>Acer saccharinum</i>	15.5	2	fair	girdling roots above and belowground, Cottony Maple Scale on branches
10	Little Leaf Linden	<i>Tilia cordata</i>	18	3	poor-fair	leader dead - squeezed out due to tight arrangement of branches at 2 m
11	Little Leaf Linden	<i>Tilia cordata</i>	16.5	3	poor-fair	leader dead - squeezed out due to tight arrangement of branches at 2 - 2.25 m
12	Little Leaf Linden	<i>Tilia cordata</i>	12	2.5	fair	leader dying/thin, crack in trunk mid canopy
13	Silver Maple	<i>Acer saccharinum</i>	13.5	2.5	fair	Cottony Maple Scale on branches, slow growth
14	Silver Maple	<i>Acer saccharinum</i>	13	2.5	fair	Cottony Maple Scale on branches, slow growth
15	Little Leaf Linden	<i>Tilia cordata</i>	13	2	poor-fair	dieback in canopy, slow growth
16	Honeylocust	<i>Gleditsia triacanthos</i>	12.5	3	fair	interior deadwood
17	Honeylocust	<i>Gleditsia triacanthos</i>	13.5	3	fair	
18	Little Leaf Linden	<i>Tilia cordata</i>	16	2	good	
19	Austrian Pine	<i>Pinus nigra</i>	29.5	3	good	
20	Austrian Pine	<i>Pinus nigra</i>	30	3	good	
21	Colorado Spruce	<i>Picea pungens</i>	25 caliper	3.5	good	thick canopy to ground
22	Colorado Spruce	<i>Picea pungens</i>	25 caliper	3	good	thick canopy to ground
23	Colorado Spruce	<i>Picea pungens</i>	23 caliper	3	good	thick canopy to ground
24	Little Leaf Linden	<i>Tilia cordata</i>	17	2.5	good	thick canopy
25	Colorado Spruce	<i>Picea pungens</i>	26 caliper	3	good	thick canopy to ground
26	Colorado Spruce	<i>Picea pungens</i>	25 caliper	3	good	thick canopy to ground
27	Austrian Pine	<i>Pinus nigra</i>	30	3	good	on mound of soil
28	Austrian Pine	<i>Pinus nigra</i>	29	2.5	good	on mound of soil, tree splits into two stems at 3 m with included bark in union
29	Japanese Tree Lilac	<i>Syringa reticulata</i>	12	2	good	frost damage to leaves
30	Japanese Tree Lilac	<i>Syringa reticulata</i>	9	2	fair	frost damage to leaves
31	Chokecherry	<i>Prunus virginiana</i>	17.5 at 1.1m	4	poor-fair	extensive Black Knot on branches, interfering branches
32	Chokecherry	<i>Prunus virginiana</i>	15.5 at 90 cm	2.5	poor structure	canker on west side of trunk from 1 to 2 m covering over 50% of circumference, canker on north side of trunk from 2 to 2.25 m covering 1/3 circumference, extensive Black Knot

Inventory Date
June 17, 2021

TREE INVENTORY

Balsam Road at Old Mountain Road, Collingwood, Ontario

Arborist : Patricia Thomson
Thomson Watson Consulting Arborist Inc.

Tree No.	Tree Species	Latin Binomial	Diameter (cm)	Canopy Radius (m)	Condition	Comments
33	Chokecherry	<i>Prunus virginiana</i>	15.5 at 90 cm	2.5	poor structure	wound on street side of base, trunk splits into four stems at 1 m with included bark in unions and tight upright growth, extensive Black Knot
34	Chokecherry	<i>Prunus virginiana</i>	18 at 1 m	2.5	poor structure	canker on west side of trunk from 1 to 1.6 m covering 1/2 circumference, Black Knot
35	Chokecherry	<i>Prunus virginiana</i>	9.5	2.5	good	no Black Knot seen on branches, sprouts at base
36	Chokecherry	<i>Prunus virginiana</i>	16.5	3	poor structure	three cankers on trunk, extensive Black Knot
37	Japanese Tree Lilac	<i>Syringa reticulata</i>	14.5 at 1.1	2	poor-fair structure	wound on trunk from ground to 1.3 m
38	Japanese Tree Lilac	<i>Syringa reticulata</i>	11	2	fair	overgrown by Tree 39 Pine
39	Austrian Pine	<i>Pinus nigra</i>	25	4.5	good	
40	Austrian Pine	<i>Pinus nigra</i>	32 caliper	3.5	good	tree splits into two stems at 3 m
41	Colorado Spruce	<i>Picea pungens</i>	30 caliper	3	good	full canopy to ground
42	Colorado Spruce	<i>Picea pungens</i>	25 caliper	3	good	full canopy to ground, Pitch Mass Borer
43	Japanese Tree Lilac	<i>Syringa reticulata</i>	10	2	fair-good	
44	Little Leaf Linden	<i>Tilia cordata</i>	16	2.5	good	
45	Colorado Spruce	<i>Picea pungens</i>	22 caliper	3	good	full canopy to ground
46	Japanese Tree Lilac	<i>Syringa reticulata</i>	8.5	2	good	
47	Colorado Spruce	<i>Picea pungens</i>	15 caliper	2	good	full canopy to ground
48	Austrian Pine	<i>Pinus nigra</i>	26	3.5	good	lower trunk deadwood
49	Austrian Pine	<i>Pinus nigra</i>	26 at 1.2 m	3.5	good	tree splits into two stems at 1.4 m with included bark in union, lower trunk deadwood
50	Austrian Pine	<i>Pinus nigra</i>	28.5	4	good	lower trunk deadwood
51	Silver Maple	<i>Acer saccharinum</i>	22	3	good	girdling root on north side
52	Silver Maple	<i>Acer saccharinum</i>	19.5	3	good	girdling roots - above and below ground - around circumference
53	Silver Maple	<i>Acer saccharinum</i>	27	3	good	tight arrangement of branches at 2 m from grade with upright growth
54	Chokecherry	<i>Prunus virginiana</i>	16 at 1.2 m	1.5	poor structure	Black Knot canker on north side of trunk so leader dead, sprouts only
55	Chokecherry	<i>Prunus virginiana</i>	14	3	fair	canker on north side of trunk 1.3 m, Black Knot
56	Chokecherry	<i>Prunus virginiana</i>	13 at 80 cm	2	poor structure	canker on north side trunk covering 1/2 circumference, full canopy, Black Knot
57	Amur Maple	<i>Acer ginnala</i>	11.5	2.5	fair	slow growth, interior deadwood
58	Amur Maple	<i>Acer ginnala</i>	12	2.5	fair	wounds on lower trunk north side, lower deadwood
59	Amur Maple	<i>Acer ginnala</i>	12	2	fair	sprouts on trunk, interior deadwood

Inventory Date
June 17, 2021

TREE INVENTORY

Balsam Road at Old Mountain Road, Collingwood, Ontario

Arborist : Patricia Thomson
Thomson Watson Consulting Arborist Inc.

Tree No.	Tree Species	Latin Binomial	Diameter (cm)	Canopy Radius (m)	Condition	Comments
60	Chokecherry	<i>Prunus virginiana</i>	17 at 70 cm	4	poor structure	canker on north side of trunk 70 cm to 1.4 m, Black Knot
61	Chokecherry	<i>Prunus virginiana</i>	17 at 80 cm	3	poor structure	canker on north side of trunk 80 cm to 1.5 m, canker on southside of trunk from 90 cm to 1.7 m, Black Knot
62	Amur Maple	<i>Acer ginnala</i>	19.5	3	poor structure	wounds up all sides of trunk from ground to 2 m, extensive deadwood
63	Amur Maple	<i>Acer ginnala</i>	18	2.5	good	
64	Chokecherry	<i>Prunus virginiana</i>	14	2.5	poor-fair structure	canker on west side at 2 m, canker on north side trunk at 2.5 m, Black Knot
65	Chokecherry	<i>Prunus virginiana</i>	13.5	2.5	fair	Black Knot
66	Chokecherry	<i>Prunus virginiana</i>	15.5	3	poor structure	canker south side of trunk 1.2 to 1.6 m (1/3 circumference), canker on west and south side of trunk at 2 m (1/2 circumference)
67	Amur Maple	<i>Acer ginnala</i>	15.5	2.5	fair	sprouts on trunk, interior deadwood
68	Amur Maple	<i>Acer ginnala</i>	11.5	2	fair	interior deadwood
69	Amur Maple	<i>Acer ginnala</i>	8.5	2	poor-fair	extensive interior deadwood
70	Chokecherry	<i>Prunus virginiana</i>	14.5 at 1.1 m	3	poor structure	canker on west side trunk 1.1 to 1.8 m - leader dead, lateral branches alive, Black Knot
71	Amur Maple	<i>Acer ginnala</i>	14	2.5	fair	interior deadwood
72	Amur Maple	<i>Acer ginnala</i>	7.5	1	poor	top dead, trunk sprouts and dehydrated lateral branches
73	Amur Maple	<i>Acer ginnala</i>	11.5	2.5	fair	interior deadwood
74	Amur Maple	<i>Acer ginnala</i>	8	1.5	fair	interior deadwood
75	Chokecherry	<i>Prunus virginiana</i>	12.5	4	poor structure	canker on north side of trunk 1.1 to 1.6 m (1/2 circumference), Black Knot
76	Chokecherry	<i>Prunus virginiana</i>	13	4	poor structure	canker on SE side of trunk 1.1 to 1.5 m (1/2 circumference), Black Knot
77	Chokecherry	<i>Prunus virginiana</i>	8	2	poor structure	canker on trunk at 2 m, Black Knot
78	Chokecherry	<i>Prunus virginiana</i>	9		dead	
79	Chokecherry	<i>Prunus virginiana</i>	8.5	2	fair	Black Knot
80	Amur Maple	<i>Acer ginnala</i>	11.5	2.5	fair	lower interior deadwood
81	Amur Maple	<i>Acer ginnala</i>	12	3	poor-fair	sprouts on trunk, interior deadwood
82	Amur Maple	<i>Acer ginnala</i>	11.5	3	fair	
83	Amur Maple	<i>Acer ginnala</i>	13	3	fair	extensive surface roots within 50 cm of trunk
84	Amur Maple	<i>Acer ginnala</i>	14	3	fair	

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TREE INVENTORY

Balsam Road at Old Mountain Road, Collingwood, Ontario

Arborist : Patricia Thomson
Thomson Watson Consulting Arborist Inc.

Tree No.	Tree Species	Latin Binomial	Diameter (cm)	Canopy Radius (m)	Condition	Comments
85	Amur Maple	<i>Acer ginnala</i>	14.5	3.5	fair	extensive surface roots within 50 cm of trunk
86	Chokecherry	<i>Prunus virginiana</i>	13 at 1 m	1.5	poor structure	canker at 1.4 m on south side (1/2 circumference), Black Knot
87	Chokecherry	<i>Prunus virginiana</i>	17	2.5	poor-fair structure	canker on north side from 1 to 1.5 m, northeast side 2 m, Black Knot
88	Chokecherry	<i>Prunus virginiana</i>	18	3.5	poor structure	canker on south east side of trunk from 1.4 to 2.25, 3 m
89	Silver Maple	<i>Acer saccharinum</i>	19.5	3	good	tree splits into two stems at 2.5 m
90	Silver Maple	<i>Acer saccharinum</i>	15	2	fair-good	lower deadwood, tree splits into two stems at 2 m
91	Silver Maple	<i>Acer saccharinum</i>	21.5	3	good	
92	Silver Maple	<i>Acer saccharinum</i>	27.5	3	good	tree splits into two stems at 4 m with included bark in union, small interior deadwood
93	Japanese Tree Lilac	<i>Syringa reticulata</i>	12	2	fair-good	tree splits into two stems at 1.8 m with included bark in top of union
94	Japanese Tree Lilac	<i>Syringa reticulata</i>	8.5	1.5	fair-good	
95	Austrian Pine	<i>Pinus nigra</i>	31	3	fair	
96	Austrian Pine	<i>Pinus nigra</i>	33	4	poor structure	tree splits into two stems at 3.5 m with included bark in union - union partially failed
97	Colorado Spruce	<i>Picea pungens</i>	25 caliper	3	good	full canopy to ground
98	Colorado Spruce	<i>Picea pungens</i>	20 caliper	3	good	full canopy to ground
99	Japanese Tree Lilac	<i>Syringa reticulata</i>	7.5	1.5	good	
100	Little Leaf Linden	<i>Tilia cordata</i>	19.5	3	good	
101	Colorado Spruce	<i>Picea pungens</i>	22 caliper	2	good	full canopy to ground
102	Japanese Tree Lilac	<i>Syringa reticulata</i>	18	2	good	
103	Colorado Spruce	<i>Picea pungens</i>	25 caliper	2.5	good	full canopy to ground
104	Austrian Pine	<i>Pinus nigra</i>	29.5	3	good	bird damage on trunk
105	Austrian Pine	<i>Pinus nigra</i>	22, 15	3	good	tree splits into two stems at 60 cm with included bark in union
106	Japanese Tree Lilac	<i>Syringa reticulata</i>	11	2	good	
107	Japanese Tree Lilac	<i>Syringa reticulata</i>	7.5	2	fair	lower deadwood, no root flare - possible underground girdling roots
108	Japanese Tree Lilac	<i>Syringa reticulata</i>	9.5	2	fair	no root flare - possible underground girdling roots
109	Silver Maple	<i>Acer saccharinum</i>	20.5	3	good	no root flare - possible underground girdling roots
110	Silver Maple	<i>Acer saccharinum</i>	19	2.5	fair	no root flare - possible underground girdling roots, dehydrated leaves, thin
111	Silver Maple	<i>Acer saccharinum</i>	24.5	3	fair-good	tree splits into two stems at 2 m, possible leaf frost damage
112	Colorado Spruce	<i>Picea pungens</i>	20	2	good	
113	Colorado Spruce	<i>Picea pungens</i>	18 caliper	2	good	

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TREE INVENTORY

Balsam Road at Old Mountain Road, Collingwood, Ontario

Arborist : Patricia Thomson
Thomson Watson Consulting Arborist Inc.

Tree No.	Tree Species	Latin Binomial	Diameter (cm)	Canopy Radius (m)	Condition	Comments
114	Japanese Tree Lilac	<i>Syringa reticulata</i>	10.5	2	good	
115	Little Leaf Linden	<i>Tilia cordata</i>	16	3	fair-good	tree splits into 5 stems at 1.8 m with included bark in unions, tight arrangement of branches
116	Japanese Tree Lilac	<i>Syringa reticulata</i>	12 at 1.1 m	2	fair-good	sprouts at base
117	Colorado Spruce	<i>Picea pungens</i>	20	2	good	lower canopy sparse
118	Austrian Pine	<i>Pinus nigra</i>	24	2.5	good	
119	Austrian Pine	<i>Pinus nigra</i>	23	3	good	rust galls on branches, tree splits into two stems at 2.5 m, bird damage on trunk
120	Austrian Pine	<i>Pinus nigra</i>	37	3	good	bird damage on trunk
121	trees off site					2 Carolina Poplars, 18 Green Ash (some dieback), 2 Black Locust, 3 Balsam Poplar, 2 Trembling Aspens, 1 Mulberry, 1 Manitoba Maple. Edge understorey includes Buckthorn and Manitoba Maple
122	trees off site					4 Carolina Poplars, 1 Manitoba Maple. Edge understorey includes Manitoba Maple, Trembling Aspen, Green Ash, Buckthorn. Dead and dying Green Ash to north
123	Green Ash	<i>Fraxinus pennsylvanica</i>	21	3.5	good	no dieback, full canopy, trunk splits into three stems at 3 metres with included bark in union
124	Green Ash	<i>Fraxinus pennsylvanica</i>	21.5	3.5	good	no dieback, tree splits into two stems at 2.5 m with included bark in union
125	Poplar	<i>Populus sp.</i>	22		dead	
126	Red Maple	<i>Acer rubrum</i>	12	3	fair	leaves slightly yellow (chlorotic), wound west base
127	Big Toothed Aspen	<i>Populus grandidentata</i>	28	3	good	wound at southwest base - covering over
128	White Pine	<i>Pinus strobus</i>	20	2	good	tree splits into two stems at 2 m with included bark in union and upright growth, bird damage on trunk
129	Green Ash	<i>Fraxinus pennsylvanica</i>	24	4	fair-good	girdling root to north side of trunk, trunk splits into two stems at 2 m with included bark in union, bird holes in trunk - no dieback seen
130	White Pine	<i>Pinus strobus</i>	21	3	good	bird damage on trunk, Pitch Mass Borer on trunk
131	White Pine	<i>Pinus strobus</i>	21.5	3.5	fair	Pitch Mass Borer on trunk
132	Big Toothed Aspen	<i>Populus grandidentata</i>	32	4	fair	Oystershell Scale on trunk, wound at south base measuring 40 cm
133	Green Ash	<i>Fraxinus pennsylvanica</i>	22 at 1.2 m	3	good	trunk splits into three stems at 1.7 m with included bark in union, no dieback seen
134	Poplar	<i>Populus sp.</i>	22.5		dead	
135	Big Toothed Aspen	<i>Populus grandidentata</i>	31	4	fair	wound at northeast base, possible underground girdling roots to east and south
136	Green Ash	<i>Fraxinus pennsylvanica</i>	14	3.5	fair	wound at south base, trunk splits into two stems at 2.25 m

Inventory Date
June 17, 2021

TREE INVENTORY

Balsam Road at Old Mountain Road, Collingwood, Ontario

Arborist : Patricia Thomson
Thomson Watson Consulting Arborist Inc.

Tree No.	Tree Species	Latin Binomial	Diameter (cm)	Canopy Radius (m)	Condition	Comments
137	Trembling Aspen	<i>Populus tremuloides</i>	27	4	poor-fair structure	interior deadwood, canker on north trunk at 4 m
138	Trembling Aspen	<i>Populus tremuloides</i>	31.5, 25	6	fair	tree splits into two stems at 1.3 m and 1.8 m with included bark in union
139	Red Maple	<i>Acer rubrum</i>	9	2	fair	leaves slightly yellow (chlorotic), interior deadwood
140	Trembling Aspen	<i>Populus tremuloides</i>	29.5	6	poor structure	wound north and southwest base, canker on west side trunk 2 to 3 m from grade extending around circumference, leader to west dead
141	Green Ash	<i>Fraxinus pennsylvanica</i>	35 at 1.2 m	5	good	extensive sprouts on interior branches, full crown, no dieback
142	Red Maple	<i>Acer rubrum</i>	12	2.5	fair	leaves slightly chlorotic, slow growth
143	Trembling Aspen	<i>Populus tremuloides</i>	34	5	fair	tree splits into two stems at 1.7 m, small deadwood
144	Big Toothed Aspen	<i>Populus grandidentata</i>	34.5	5.5	good	
145	Trembling Aspen	<i>Populus tremuloides</i>	29	5	fair	Oystershell Scale, surface roots
146	Red Maple	<i>Acer rubrum</i>	8	2	fair	leaves slightly chlorotic, wounded surface roots, lower deadwood
147	Green Ash	<i>Fraxinus pennsylvanica</i>	14	3	good	
148	Green Ash	<i>Fraxinus pennsylvanica</i>	32 at 1.2 m	4.5	good	upright sprouts on lower branches, trunk splits into four stems at 2 m, full canopy
149	Trembling Aspen	<i>Populus tremuloides</i>	23	3	fair	lower deadwood
150	Green Ash	<i>Fraxinus pennsylvanica</i>	12.5	3	poor-fair	sprouts at base and on trunk, bird holes on trunk, full canopy
151	Trembling Aspen	<i>Populus tremuloides</i>	33	5	good	lower deadwood
152	Green Ash	<i>Fraxinus pennsylvanica</i>	8.5	4	fair	bird holes on trunk, wound at north base
153	Green Ash	<i>Fraxinus pennsylvanica</i>	19	5	good	full canopy
154	Trembling Aspen	<i>Populus tremuloides</i>	31	5	good	
155	Poplar	<i>populus sp.</i>	18.5		dead	
156	Red Maple	<i>Acer rubrum</i>	6	2	fair	leaves slightly chlorotic
157	Red Maple	<i>Acer rubrum</i>	10.5	2.5	fair	
158	Big Toothed Aspen	<i>Populus grandidentata</i>	20	4	good	
159	White Pine	<i>Pinus strobus</i>	13.5	2.5	poor-fair	broken lower branches, slow growth
160	Red Maple	<i>Acer rubrum</i>	11.5	2.5	fair	leaves slightly chlorotic, wound on west side trunk 50 to 90 cm from grade

TREES TO BE REMOVED
Balsam Road at Old Mountain Road,
Collingwood, Ontario

Tree No.	Tree Species	Diameter (cm)	Condition	Comments
REMOVAL FOR STORM LINE				
123	Green Ash	21	good	no dieback, full canopy, trunk splits into three stems at 3 metres with included bark in union
124	Green Ash	21.5	good	no dieback, tree splits into two stems at 2.5 m with included bark in union
2 trees				

POOR HEALTH OR STRUCTURE				
54	Chokecherry	16 at 1.2 m	poor structure	Black Knot canker on north side of trunk so leader dead, sprouts only
61	Chokecherry	17 at 80 cm	poor structure	canker on north side of trunk 80 cm to 1.5 m, canker on southside of trunk from 90 cm to 1.7 m, Black Knot
62	Amur Maple	19.5	poor structure	wounds up all sides of trunk from ground to 2 m, extensive deadwood
70	Chokecherry	14.5 at 1.1 m	poor structure	canker on west side trunk 1.1 to 1.8 m - leader dead, lateral branches alive, Black Knot
88	Chokecherry	18	poor structure	cankers on south east side of trunk from 1.4 to 2.25 m and 3 m
96	Austrian Pine	33	poor structure	tree splits into two stems at 3.5 m with included bark in union - union partially failed
140	Trembling Aspen	29.5	poor structure	wound north and southwest base, canker on west side trunk 2 to 3 m from grade extending around circumference, leader to west dead
7 trees				

DEAD TREES				
78	Chokecherry	9	dead	
125	Poplar	22	dead	
134	Poplar	22.5	dead	
155	Poplar	18.5	dead	
4 trees				