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TOWN OF CALEDON
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ARBORIST REPORT

**TEMPORARY USE – OPEN STORAGE OF EQUIPMENT
12423 COLERAINE DRIVE AND 0 SIMPSON ROAD
TOWN OF CALEDON (BOLTON), ONTARIO**

**PREPARED FOR:
RAFAT GENERAL CONTRACTOR INC.
8850 GEORGE BOLTON PARKWAY
CALEDON, ONTARIO
L7E 2Y4**

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OUR PROJECT NO:
20-5524**

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Enclosed: Full Size Tree Inventory & Preservation Plans	

Introduction

Strybos Barron King Ltd. was retained by Rafat General Contractor Inc. to prepare an Arborist Report for the subject property in accordance with Town of Caledon requirements. The purpose of this study is to determine the composition, character and health of existing trees and assess opportunities for preservation in relation to a proposed temporary use, open storage of equipment area. The subject property is located at 18314 & 18309 Hurontario Street in the Town of Caledon, Ontario. (See Appendix A - Key Map).

Site Context

The subject site at 12423 Coleraine Dr. is located on the southeast corner of Coleraine Dr. and George Bolton Parkway. The subject site at 0 Simpson Rd. is located on the south east corner of Simpson Rd. and George Bolton Parkway. The Coleraine site abuts George Bolton Parkway to the north, Simpson Rd. to the east, and a storage yard as well as residential lot to the south. The Simpson Rd. property abuts George Bolton Parkway to the north, and industrial properties to the east and south. Currently, both properties contain open storage areas. The Coleraine property includes storage structures as well as an existing office.

Plans Utilized

A topographic survey prepared by Land Survey Group showing existing tree locations as well as existing structures as well as a Site Plan prepared by Fausto Cortese Architects were used to determine the location of trees in relation to the proposed future development works.

Tree Inventory

Trees were identified within and immediately adjacent to the subject property. The trees are described in terms of species and diameter at breast height (DBH – measured at 1.4m from grade). They have been assessed in terms of their general health from poor to good; **GOOD** – trees in good overall health and condition with desirable structure, **FAIR** – trees in moderate health and condition with less desirable structure, and **POOR** – trees displaying prominent health issues such as decay and disease and/or poor form and structure.

Arborist Report

12423 Coleraine Dr. & 0 Simpson Rd., – Town of Caledon (Bolton)

12423 COLERAINE DRIVE

EXISTING TREE INVENTORY											
KEY	SPECIES	BOTANICAL NAME	CALIPER	CROWN	HEALTH	STRUCTURE	COMMENTS	PRESERVATION	MIN. TPZ	KEY	
			IN (cm)	IN (m)	G/F/P			DIRECTION			
1	COLORADO SPRUCE	Picea pungens	3m HT.	2	GOOD	GOOD FORM	RECENTLY PLANTED TREE	PRESERVE	1.8	1	
2	WHITE SPRUCE	Picea glauca	23	5	FAIR	GOOD FORM	ELEVATED CROWN. DIE BACK ON LOWER BRANCHES.	PRESERVE	1.8	2	
3	WHITE SPRUCE	Picea glauca	2m HT.	2	GOOD	GOOD FORM	RECENTLY PLANTED TREE	PRESERVE	1.8	3	
4	WHITE SPRUCE	Picea glauca	2m HT.	2	GOOD	GOOD FORM	RECENTLY PLANTED TREE	PRESERVE	1.8	4	
5	WHITE SPRUCE	Picea glauca	25	7	FAIR	ASYMMETRICAL FORM	CROWDED BY ADJACENT TREES. DIE BACK ON LOWER BRANCHES. ELEVATED CROWN	PRESERVE	1.8	5	
6	WHITE SPRUCE	Picea glauca	23	5	GOOD	ONE SIDED FORM	CROWDED BY ADJACENT TREES. ELEVATED CROWN	PRESERVE	1.8	6	
7	WHITE SPRUCE	Picea glauca	22	5	GOOD	ONE SIDED FORM	CROWDED BY ADJACENT TREES. ELEVATED CROWN	PRESERVE	1.8	7	
8	WHITE SPRUCE	Picea glauca	24	5	GOOD	ASYMMETRICAL FORM	CROWDED BY ADJACENT TREES. ELEVATED CROWN	PRESERVE	1.8	8	
9	WHITE SPRUCE	Picea glauca	30	6	GOOD	NARROW FORM	CROWDED BY ADJACENT TREES. ELEVATED CROWN	PRESERVE	2.4	9	
10	WHITE SPRUCE	Picea glauca	2-3m HT.	2	GOOD	GOOD FORM	FIVE RECENTLY PLANTED TREES	PRESERVE	1.8	10	
11	COLORADO SPRUCE	Picea pungens	2-3m HT.	2	GOOD	GOOD FORM	RECENTLY PLANTED ROW OF TREES	PRESERVE	1.8	11	
12	COLORADO SPRUCE	Picea pungens	17	3	GOOD	GOOD FORM	BRANCHING TO GRADE	PRESERVE	1.8	12	
13	COLORADO SPRUCE	Picea pungens	17	3	GOOD	GOOD FORM	BRANCHING TO GRADE	PRESERVE	1.8	13	
14	HACKBERRY	Celtis occidentalis	12	3	GOOD	GOOD FORM	SUCKER GROWTH ON STEM	PRESERVE	1.8	14	
15	ASH	Fraxinus pennsylvanica			DEAD			PRESERVE	1.8	15	
16	ASH	Fraxinus pennsylvanica			DEAD			PRESERVE	1.8	16	
17	CRABAPPLE	Malus sp.	14	3	POOR	CO-DOMINANT LEADERS	DECLINING	PRESERVE	1.8	17	
18	NORWAY MAPLE	Acer platanoides	16	5	GOOD	GOOD FORM	MINOR INTERNAL DIEBACK	PRESERVE	1.8	18	
19	NORWAY MAPLE	Acer platanoides	20	5	GOOD	GOOD FORM	SUCKER GROWTH AT BASE	PRESERVE	1.8	19	
20	NORWAY MAPLE	Acer platanoides	21	6	GOOD	GOOD FORM		PRESERVE	1.8	20	
21	COLORADO BLUE SPRUCE	Picea pungens	15-20	5	GOOD	GOOD FORM	PLANTED CLUSTER OF SEVEN TREES, BRANCHING TO GRADE	PRESERVE	1.8	21	
22	COLORADO BLUE SPRUCE	Picea pungens	20-23	5	GOOD	GOOD FORM	PLANTED CLUSTER OF THREE TREES, BRANCHING TO GRADE	PRESERVE	1.8	22	
23	AUSTRIAN PINE	Pinus nigra	12 to 23	4	POOR- GOOD	GOOD FORM	PLANTED CLUSTER OF SEVEN TREES, BRANCHING TO GRADE, FIRST TREE FROM WEST IS DEAD, THIRD TREE FROM WEST IS IN DECLINE	PRESERVE	1.8	23	
24	NORWAY MAPLE	Acer platanoides	24	7	GOOD	GOOD FORM	MINOR SUCKER GROWTH AT BASE	PRESERVE	1.8	24	
25	NORWAY MAPLE	Acer platanoides	17	6	GOOD	GOOD FORM	SLIGHT LEAN	PRESERVE	1.8	25	
26	NORWAY MAPLE	Acer platanoides	18	6	GOOD	GOOD FORM		PRESERVE	1.8	26	
27	NORWAY MAPLE	Acer platanoides	18	6	GOOD	GOOD FORM		PRESERVE	1.8	27	
28	LINDEN	Tilia americana	14	4	FAIR	IREGULAR FORM	MULTIPLE LEADERS, SUCKER GROWTH THROUGHOUT	PRESERVE	1.8	28	
29	LINDEN	Tilia americana	8	2	POOR	IREGULAR FORM	STUNTED TREE	PRESERVE	1.2	29	
30	LINDEN	Tilia americana	4 to 12	5	FAIR	MULTI STEMS	STEMS SPLIT AT GRADE	PRESERVE	1.8	30	
31	LINDEN	Tilia americana	WHIP-7	4	FAIR	MULTI STEMS	STEMS SPLIT AT GRADE	PRESERVE	1.2	31	
32	LINDEN	Tilia americana	18	5	GOOD	GOOD FORM	BRANCHING TO GRADE	PRESERVE	1.8	32	
33	COLORADO BLUE SPRUCE	Picea pungens	17-23	6	GOOD	GOOD FORM	PLANTED CLUSTER OF FIVE TREES, BRANCHING TO GRADE, FIFTH TREE FROM THE WEST HAS NO LEADER	PRESERVE	1.8	33	
34	COLORADO BLUE SPRUCE	Picea pungens	17-20	6	GOOD	GOOD FORM	PLANTED CLUSTER OF SEVEN TREES, BRANCHING TO GRADE	PRESERVE	1.8	34	
35	HONEYLOCUST	Gleditsia triacanthos	12	6	FAIR	MULTI STEMS	IREGULAR FORM. EPICORMIC GROWTH THROUGHOUT	PRESERVE	1.8	35	
36	HONEYLOCUST	Gleditsia triacanthos	8	5	FAIR	MULTI STEMS	STEM SPLIT AT GRADE	PRESERVE	1.2	36	
37	NORWAY MAPLE	Acer platanoides	18	6	GOOD	GOOD FORM		PRESERVE	1.8	37	
38	NORWAY MAPLE	Acer platanoides	21	6	GOOD	GOOD FORM		PRESERVE	1.8	38	
39	CONIFEROUS GROUPING		18-23	5	GOOD	GOOD FORM	PLANTED GROUPING OF ELEVEN TREES, MIXED SPECIES OF COLORADO SPRUCE AND NORWAY SPRUCE, BRANCHING TO GRADE	PRESERVE	1.8	39	
40	AUSTRIAN PINE	Pinus nigra	18-24	5	GOOD	GOOD FORM	PLANTED CLUSTER OF FIVE TREES, BRANCHING TO GRADE	PRESERVE	1.8	40	
41	IVORY SILK TREE LILAC	Syringa reticulata	5	1	GOOD	GOOD FORM	NEW STREET TREE	PRESERVE	1.2	41	
42	CHOKECHERRY		5	2	GOOD	GOOD FORM	NEW STREET TREE	PRESERVE	1.2	42	
43	IVORY SILK TREE LILAC	Syringa reticulata	5	1	FAIR	GOOD FORM	SOME DIEBACK IN CROWN	PRESERVE	1.2	43	
44	RED MAPLE		6	2	FAIR	GOOD FORM	TWIG TIP DIEBACK	REMOVE	1.2	44	
45	SERVICEBERRY		4	2	GOOD	ONE SIDED FORM	NEW STREET TREE	PRESERVE	1.2	45	
46	RED MAPLE		7	3	GOOD	GOOD FORM		PRESERVE	1.2	46	
47	IVORY SILK TREE LILAC	Syringa reticulata	5	1	FAIR	GOOD FORM	SUCKER GROWTH AT BASE	PRESERVE	1.2	47	
48	RED MAPLE		7	3	GOOD	GOOD FORM	MINOR SUCKER GROWTH ON STEM	PRESERVE	1.2	48	
49	SERVICEBERRY		3	1	POOR	IREGULAR FORM	DECLINING	PRESERVE	1.2	49	
50	CRABAPPLE	Malus sp.	11	5	GOOD	MULTI STEMS	SEVERAL STEMS BRANCHING AT GRADE	PRESERVE	1.8	50	
51	CRABAPPLE	Malus sp.	10	4	GOOD	MULTI STEMS	SEVERAL STEMS BRANCHING AT GRADE	PRESERVE	1.8	51	
52	CRABAPPLE	Malus sp.	11	4	GOOD	MULTI STEMS	SEVERAL STEMS BRANCHING AT GRADE	PRESERVE	1.8	52	
53	CRABAPPLE	Malus sp.	13	5	GOOD	MULTI STEMS	SEVERAL STEMS BRANCHING AT GRADE	PRESERVE	1.8	53	
54	CRABAPPLE	Malus sp.	12	3	FAIR	ONE SIDED FORM	LEANING. SUCKER GROWTH THROUGHOUT	PRESERVE	1.8	54	
55	NORWAY MAPLE		12	4	GOOD	GOOD FORM	MINOR SUCKER GROWTH ON STEM	PRESERVE	1.8	55	
56	CRABAPPLE	Malus sp.	11	4	FAIR	ONE SIDED FORM		PRESERVE	1.8	56	
57	AUSTRIAN PINE	Pinus nigra	22	6	GOOD	GOOD FORM	BRANCHING TO GRADE	PRESERVE	1.8	57	
58	AUSTRIAN PINE	Pinus nigra	21	6	GOOD	GOOD FORM	SLIGHT LEAN	PRESERVE	1.8	58	
59	IVORY SILK TREE LILAC	Syringa reticulata	6	2	FAIR	GOOD FORM	SOME DIEBACK THROUGHOUT	PRESERVE	1.2	59	
60	IVORY SILK TREE LILAC	Syringa reticulata	6	2	POOR	GOOD FORM	DIEBACK THROUGHOUT	PRESERVE	1.2	60	
61	CRABAPPLE	Malus sp.	6	2	GOOD	GOOD FORM	MINOR SUCKER GROWTH AT BASE	PRESERVE	1.2	61	
62	CRABAPPLE	Malus sp.	8	3	GOOD	GOOD FORM	MINOR SUCKER GROWTH ON STEM	PRESERVE	1.2	62	
63	IVORY SILK TREE LILAC	Syringa reticulata	8	3	GOOD	GOOD FORM	SOME DIEBACK IN CROWN	PRESERVE	1.2	63	
64	LINDEN	Tilia sp.	16	5	GOOD	IREGULAR FORM	LOW SPREADING BRANCHES	PRESERVE	1.8	64	
65	AMUR MAPLE	Acer ginnala	-	2	POOR	IREGULAR FORM	TOPPED AT 1m HT.	PRESERVE	NA	65	
66	LINDEN	Tilia sp.	16	6	GOOD	GOOD FORM	SUCKER GROWTH ON STEM	PRESERVE	1.8	66	
67	IVORY SILK TREE LILAC	Syringa reticulata	14	3	GOOD	GOOD FORM	MINOR DIEBACK IN CROWN	PRESERVE	1.8	67	
68	CRABAPPLE	Malus sp.	8	5	FAIR	BROAD FORM	DIE BACK ON LOWER BRANCHES.	PRESERVE	1.2	68	
69	AMUR MAPLE	Acer ginnala	22	6	GOOD	GOOD FORM	MINOR TWIG TIP DIEBACK	PRESERVE	1.8	69	
70	CRABAPPLE	Malus sp.	8	5	GOOD	BROAD FORM	MINOR SUCKER GROWTH	PRESERVE	1.2	70	
71	WHITE OAK	Quercus alba	17	6	FAIR	GOOD FORM	EPICORMIC GROWTH THROUGHOUT CROWN	PRESERVE	1.8	71	
72	NORWAY MAPLE	Acer platanoides	15	5	FAIR	ONE SIDED FORM	EPICORMIC GROWTH THROUGHOUT	PRESERVE	1.8	72	
73	AMUR MAPLE	Acer ginnala	8	3	FAIR	ONE SIDED FORM	SUCKER GROWTH ON STEM	PRESERVE	1.2	73	
74	IVORY SILK TREE LILAC	Syringa reticulata	7	2	GOOD	GOOD FORM	TWIG TIP DIEBACK IN CROWN	PRESERVE	1.2	74	
75	CRABAPPLE	Malus sp.	8	3	GOOD	GOOD FORM	DIE BACK ON LOWER BRANCHES	PRESERVE	1.2	75	

Arborist Report

12423 Coleraine Dr. & 0 Simpson Rd., – Town of Caledon (Bolton)

EXISTING TREE INVENTORY (Continued)

KEY	SPECIES	BOTANICAL NAME	CALIPER	CROWN	HEALTH	STRUCTURE	COMMENTS	PRESERVATION	MIN. TPZ	KEY
			IN (cm)	IN (m)	G/F/P			DIRECTION		
76	AMUR MAPLE	Acer ginnala	17	6	GOOD	GOOD FORM	DIE BACK ON LOWER BRANCHES	PRESERVE	1.8	76
77	CRABAPPLE	Malus sp.	12	5	GOOD	BROAD FORM	SUCKER GROWTH AT BASE	PRESERVE	1.8	77
78	IVORY SILK TREE LILAC	Syringa reticulata	12	3	GOOD	GOOD FORM	SUCKER GROWTH ON STEM	PRESERVE	1.8	78
79	AMUR MAPLE	Acer ginnala	6	3	FAIR	IRREGULAR FORM	STUNTED TREE, SUCKER GROWTH AT BASE	PRESERVE	1.2	79
80	HACKBERRY	Celtis occidentalis	15	4	FAIR	GOOD FORM	EPICORMIC GROWTH THROUGHOUT	PRESERVE	1.8	80
81	IVORY SILK TREE LILAC	Syringa reticulata	11	3	GOOD	IRREGULAR FORM	LEANING	PRESERVE	1.8	81
82	CRABAPPLE	Malus sp.	12	4	GOOD	GOOD FORM	SUCKER GROWTH AT BASE	PRESERVE	1.8	82
83	IVORY SILK TREE LILAC	Syringa reticulata	6	3	GOOD	GOOD FORM	DIE BACK ON LOWER BRANCHES	PRESERVE	1.2	83
84	AMUR MAPLE	Acer ginnala	1	4	POOR	GOOD FORM	DIEBACK THROUGHOUT	PRESERVE	1.2	84
85	IVORY SILK TREE LILAC	Syringa reticulata	12	3	FAIR	GOOD FORM	SOME DIEBACK THROUGHOUT	PRESERVE	1.8	85
86	CRABAPPLE	Malus sp.	11	4	FAIR	IRREGULAR FORM	SOME CROWN DIEBACK THROUGHOUT	PRESERVE	1.8	86
87	AMUR MAPLE	Acer ginnala	27	6	FAIR	GOOD FORM	SUCKER GROWTH AT BASE, EPICORMIC GROWTH THROUGHOUT	PRESERVE	1.8	87
88	CRABAPPLE	Malus sp.	12	4	FAIR	BROAD FORM	EPICORMIC GROWTH THROUGHOUT	PRESERVE	1.8	88
89	ASH	Fraxinus pennsylvanica			DEAD			PRESERVE	1.8	89
90	IVORY SILK TREE LILAC	Syringa reticulata	12	3	FAIR	GOOD FORM	TWIG TIP DIEBACK THROUGHOUT CROWN	PRESERVE	1.8	90
91	RED MAPLE	Acer rubrum	6	2	POOR	NARROW FORM	DECLINING	PRESERVE	1.2	91
92	HACKBERRY	Celtis occidentalis	13	3	FAIR	GOOD FORM	EPICORMIC GROWTH THROUGHOUT	PRESERVE	1.8	92
93	RED MAPLE	Acer rubrum	11	3	FAIR	GOOD FORM	EPICORMIC SHOOTS THROUGHOUT	PRESERVE	1.8	93
94	WEeping WILLOW	Salix .sp	62	16	POOR-FAIR	MULTI STEMS	STEM SPLITS AT GRADE, SEVERAL DEAD LIMBS IN CROWN	PRESERVE	4.2	94
95	WEeping WILLOW	Salix .sp	55	15	FAIR	ASYMMETRICAL FORM	DIE BACK ON LOWER BRANCHES. SOME DEADWOOD IN CROWN	PRESERVE	3.6	95

0 SIMPSON ROAD

EXISTING TREE INVENTORY

KEY	SPECIES	BOTANICAL NAME	CALIPER	CROWN	HEALTH	STRUCTURE	COMMENTS	PRESERVATION	MIN. TPZ	KEY
			IN (cm)	IN (m)	G/F/P			DIRECTION		
1	IVORY SILK TREE LILAC	Syringa reticulata	6	1	GOOD	GOOD FORM	BURIED ROOT FLARE.	PRESERVE	1.2	1
2	IVORY SILK TREE LILAC	Syringa reticulata	6	1	GOOD	GOOD FORM	BURIED ROOT FLARE. SLIGHT LEAN.	REMOVE	1.2	2
3	IVORY SILK TREE LILAC	Syringa reticulata	6	1	GOOD	GOOD FORM	BURIED ROOT FLARE.	PRESERVE	1.2	3
4	CRABAPPLE	Malus sp.	19	4	FAIR	GOOD FORM	SUCKER GROWTH AT BASE AND WITHIN CANOPY. BURIED ROOT FLARE.	PRESERVE	1.8	4
5	CRABAPPLE	Malus sp.	19	4	FAIR	GOOD FORM	MINOR DEADWOOD. SUCKER GROWTH WITHIN CANOPY. BURIED ROOT FLARE.	PRESERVE	1.8	5
6	CRABAPPLE	Malus sp.	18	4	FAIR	GOOD FORM	MINOR DEADWOOD. SUCKER GROWTH WITHIN CANOPY. BURIED ROOT FLARE.	PRESERVE	1.8	6
7	SILVER MAPLE	Acer saccharinum	24	7	GOOD	BROAD FORM	WOUND AT BASE. BURIED ROOT FLARE.	PRESERVE	1.8	7
8	HONEYLOCUST	Gleditsia triacanthos	16	7	GOOD	BROAD FORM	SUCKERS AT BASE. BURIED ROOT FLARE.	PRESERVE	1.8	8
9	NORWAY MAPLE	Acer platanoides	17	6	GOOD	BROAD FORM	FUSED CROSSING BRANCHES. BURIED ROOT FLARE.	PRESERVE	1.8	9
10	AMUR MAPLE	Acer ginnala	16	6	POOR	POOR FORM	FAILED STEMS. MINOR DEADWOOD.	PRESERVE	1.8	10
11	HONEYLOCUST	Gleditsia triacanthos	14	7	FAIR	BROAD FORM	SUCKERS AT BASE. BURIED ROOT FLARE. MINOR DEADWOOD.	PRESERVE	1.8	11
12	NORWAY MAPLE	Acer platanoides	12	4	GOOD	BROAD FORM	SLIGHT LEAN. BURIED ROOT FLARE. GIRDLING ROOTS.	PRESERVE	1.8	13
13	IVORY SILK TREE LILAC	Syringa reticulata	8	2	FAIR	BROAD FORM	SLIGHT LEAN. ROT AT BASE	PRESERVE	1.2	14
14	HONEYLOCUST	Gleditsia triacanthos	17	8	FAIR	BROAD FORM	SUCKERS AT BASE. BURIED ROOT FLARE.	PRESERVE	1.8	15
15	NORWAY MAPLE	Acer platanoides	13	4	FAIR	BROAD FORM	TORSION CRACK ON MAIN STEM. BURIED ROOT FLARE.	PRESERVE	1.8	16
16	CRABAPPLE	Malus sp.	9	3	FAIR	BROAD FORM	SLIGHT LEAN. SUCKERS THROUGHOUT CANOPY. BURIED ROOT FLARE.	PRESERVE	1.2	17
17	AMUR MAPLE	Acer ginnala	20	7	FAIR	GOOD FORM	MINOR DEADWOOD. BURIED ROOT FLARE.	PRESERVE	1.8	18
18	NORWAY MAPLE	Acer platanoides	18	6	GOOD	GOOD FORM	TORSION CRACK ON MAIN STEM. BURIED ROOT FLARE.	PRESERVE	1.8	19
19	AUSTRIAN PINE	Pinus nigra	18-30	9	FAIR	GOOD FORM	CROWDED BY ADJACENT TREES. PINE IN THE MIDDLE IN DECLINE DUE TO CROWDED PLANTING. DIPLODIA.	PRESERVE	2.4	20
20	CRABAPPLE	Malus sp.	11	3	FAIR	GOOD FORM	SUCKERS AT BASE. CROWDED BY AUSTRIAN PINES.	PRESERVE	1.8	21
21	AMUR MAPLE	Acer ginnala	14	5	FAIR	GOOD FORM	SUCKERS AT BASE. HIGH CROWN. MINOR DEADWOOD.	PRESERVE	1.8	22
22	AMUR MAPLE	Acer ginnala	10	3	POOR	POOR FORM	SLIGHT LEAN. CRACK ON MAIN STEM.	PRESERVE	1.8	23
23	CRABAPPLE	Malus sp.	11	3	FAIR	GOOD FORM	SLIGHT LEAN. SUCKERS AT BASE.	PRESERVE	1.8	24
24	CRABAPPLE	Malus sp.	10	3	FAIR	GOOD FORM	SLIGHT LEAN. SUCKERS AT BASE.	PRESERVE	1.8	25
25	HACKBERRY	Celtis occidentalis	9	2	GOOD	GOOD FORM	SLIGHT LEAN.	PRESERVE	1.2	26
26	CRABAPPLE	Malus sp.	5	1	POOR	POOR FORM	GROWING FROM CUT BASE. WEAK UNION.	PRESERVE	1.2	27
27	HACKBERRY	Celtis occidentalis	9	2	GOOD	BROAD FORM	CO-DOMINANT LEADERS.	PRESERVE	1.2	28
28	IVORY SILK TREE LILAC	Syringa reticulata	9	2	FAIR	GOOD FORM	SLIGHT LEAN. BURIED ROOT FLARE.	PRESERVE	1.2	29
29	AMUR MAPLE	Acer ginnala	12	5	FAIR	GOOD FORM	SUCKERS ON STEM. MINOR DEADWOOD.	PRESERVE	1.8	30
30	SILVER MAPLE	Acer saccharinum	25	8	GOOD	BROAD FORM	MINOR DEADWOOD. LOW BRANCHING.	PRESERVE	1.8	31
31	SILVER MAPLE	Acer saccharinum	27	8	GOOD	BROAD FORM	MINOR DEADWOOD. LOW BRANCHING.	PRESERVE	1.8	32
32	COLORADO SPRUCE	Picea pungens	6	2	FAIR	GOOD FORM	3 TREES IN CLUSTER. LOW BRANCHES ARE DEAD.	PRESERVE	1.2	33
33	COLORADO SPRUCE	Picea pungens	25-30	5	FAIR	GOOD FORM	11 TREES IN ROW. LOWER LIMBS HAVE BEEN PRUNED. CROWDED BY ADJACENT TREES.	PRESERVE	2.4	34
34	COLORADO SPRUCE	Picea pungens	6	2	FAIR	GOOD FORM	5 TREES IN CLUSTER. LOW BRANCHES ARE DEAD.	PRESERVE	1.2	35
35	AUSTRIAN PINE	Pinus nigra	30-35	5	FAIR	GOOD FORM	3 TREES IN CLUSTER. DIPLODIA ON 2 TREES. MINOR INNER DEADWOOD.	PRESERVE	2.4	36
36	COLORADO SPRUCE	Picea pungens	6	2	FAIR	GOOD FORM	5 TREES IN CLUSTER. LOWER AREA COVERED IN VINES.	PRESERVE	1.2	37
37	HONEYLOCUST	Gleditsia triacanthos	11	4	GOOD	BROAD FORM	STEM IS COVERED IN VINES. MINOR DEADWOOD.	PRESERVE	1.8	38
38	AUSTRIAN PINE	Pinus nigra	30-35	5	FAIR	GOOD FORM	3 TREES IN CLUSTER. DIPLODIA ON ALL 3 TREES. MINOR INNER DEADWOOD.	PRESERVE	2.4	39
39	HONEYLOCUST	Gleditsia triacanthos	21	7	FAIR	BROAD FORM	COVERED IN VINES. SUCKERS AT BASE. MINOR DEADWOOD.	PRESERVE	1.8	40
40	COLORADO SPRUCE	Picea pungens	6	2	POOR	GOOD FORM	3 TREES IN CLUSTER. 1 TREE IS DEAD.	PRESERVE	1.2	41
41	COLORADO SPRUCE	Picea pungens	30-35	5	FAIR	GOOD FORM	8 TREES IN CLUSTER. LAST TREE IN ROW IS IN SEVERE DECLINE.	PRESERVE	2.4	42
42	COLORADO SPRUCE	Picea pungens	6	2	FAIR	GOOD FORM	3 TREES IN A ROW.	PRESERVE	1.2	43
43	BUR OAK	Quercus macrocarpa	18	6	GOOD	BROAD FORM	LOW BRANCHES. BURIED ROOT FLARE.	PRESERVE	1.8	44
44	COLORADO SPRUCE	Picea pungens	6	2	FAIR	GOOD FORM	6 TREES IN A ROW.	PRESERVE	1.2	45

Arborist Report

12423 Coleraine Dr. & 0 Simpson Rd., – Town of Caledon (Bolton)

Refer to attached Appendix B & C and attached plan V100 - *Tree Inventory and Preservation Plan* for locations of, and details pertaining to specific trees.

Inventory Summary**12423 Coleraine Drive**

The subject site is currently is currently being used as a construction storage facility with parking areas, sheds, material storage areas and an office. The front of the property, fronting onto Coleraine Dr. has been landscaped with coniferous hedgerows as well as a small, coniferous plantation. Several mature White Spruce trees flank the south limit of the existing driveway, in front of the existing house (office). The north side of the driveway as well as inside the daylight triangle at the northwest corner of the property contains a recently planted, immature buffer row of White Spruce trees (approx. 2m ht.). The remainder of the site is mostly void of trees.

The municipal right of way along George Bolton Parkway is composed of vegetated berms and boulevard trees. The berms have been planted with clusters of coniferous trees as well as deciduous trees. The majority of these trees include groupings of Norway Maple, Colorado Blue Spruce, Honey locust and Linden. With the exception of a few individuals, these, somewhat immature, but well-established trees are in good health and condition. A row of immature boulevard trees has been planted along the boulevard flanking George Bolton Parkway as well as Simpson Road. These tree species include: Hackberry, Ivory Silk Tree Lilac, Amur Maple, Crab apple and Red Maple. These trees are all immature and vary from poor to good health and condition.

0 Simpson Road

The subject site is currently being used as an open storage facility. These internal limits of this site are void of vegetation. The municipal right of way along George Bolton Parkway is composed of vegetated berms and boulevard trees. The berms have been planted with clusters of coniferous trees as well as deciduous trees. The majority of these trees include groupings of Norway Maple, Colorado Blue Spruce, Honey locust and Linden. With the exception of a few individuals, these, somewhat immature, but well-established trees are in good health and condition. A row of immature boulevard trees has been planted along the boulevard flanking George Bolton Parkway as well as Simpson Road. These tree species include: Hackberry, Ivory Silk Tree Lilac, Amur Maple, Crab apple and Red Maple. These trees are all immature and vary from poor to good.

Recommendations

Based on the proposed Site Plan, all trees can be preserved and protected. As part of the Site Plan works, there is a requirement by the Town for the owner to remove the existing privacy/security fences as well as retaining walls from the Municipal Right of Way along George Bolton Parkway. Because the existing fence currently bisects many of the buffer plantings along the berms, careful removal of the fence will be required as to not adversely affect any existing trees. The proposed tree protection hoarding layout shown on the Tree Inventory & Preservation Plans (TIPP) account for the existing fence locations. The removal and/or adjustment of the hoarding may be required in order to remove sections of fence immediately adjacent to existing trees. The hoarding is then to be re-erected according to Town standards and remain in place for the duration of the construction works. This work is to be done under direct supervision of the consulting Arborist.

Town Requirements

- Any trees located on the property line or on the adjacent property that are proposed to be removed or pruned, will require written consent from the adjacent landowner. All correspondence is to be forwarded to the Town prior to any removals.
- 2:1 tree compensation will be required for all tree removals. Tree compensation planting is in addition to the standard required planting. In the event that tree compensation cannot be accommodated for in the planting design, financial compensation shall be collected at a rate (per tree) as determined by the Town.

Tree Protection Measures *(Refer to Appendix D)*

The following tree protection measures should be undertaken by the owner.

Pre-Construction

- Prior to construction, tree protection hoarding is to be installed at the limits shown on the V100. The hoarding shall be maintained for the duration of site construction. It shall not be removed until authorized by the Consulting Arborist.
- The limits of protection hoarding shall be confirmed in the field by the Consulting Arborist and the Town of Caledon.
- Any tree removals should occur outside of the breeding bird season. If this is not possible, clearance with an ecologist should occur prior to construction to ensure no loss of bird nest, egg or unfledged young.

During Construction

- Areas within the protection hoarding shall remain undisturbed for the duration of site construction and shall not be used for the storage of excavated fill, building materials, structures or equipment.
- Sections of the hoarding, protecting the trees on the Town's vegetated berm, will need to be temporarily removed/adjusted in order to facilitate the removal of the existing privacy/security fence as well as retaining walls. This is to be done under the supervision of the Consulting Arborist. Once the sections of fence have been removed, the hoarding is to be re-erected as per Town standards.
- Minor grading works will be permitted at the edge of the preservation zone as required to correct localized depressions adjacent to the new development. This work to be undertaken under the supervision of the Consulting Arborist.
- During construction and prior to Assumption of the Subdivision by the Town, the consulting Arborist along with appropriate Town staff shall inspect the entire site. Any noted hazardous trees must be identified and removed prior to Assumption. Any records of maintenance or removals are to be submitted to the Town of Caledon.

Arborist Report

12423 Coleraine Dr. & 0 Simpson Rd., – Town of Caledon (Bolton)

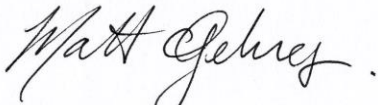
Conclusion

Strybos Barron King Ltd. was retained by Rafat General Contractor Inc. to prepare an Arborist Report for the subject property in accordance with Town of Caledon requirements.

The properties are largely void of trees with the exception of vegetated berms and street trees associated with the George Bolton Parkway right of way. As part of the site planning, the existing privacy/security fence and retaining walls along the George Bolton Parkway right of way will need to be removed. All of the existing trees within and adjacent to the two properties are to be preserved and protected throughout the construction process.

Prepared By:

STRYBOS BARRON KING LTD.

A handwritten signature in black ink, appearing to read "Matt Gehres", with a stylized flourish at the end.

Matthew Gehres

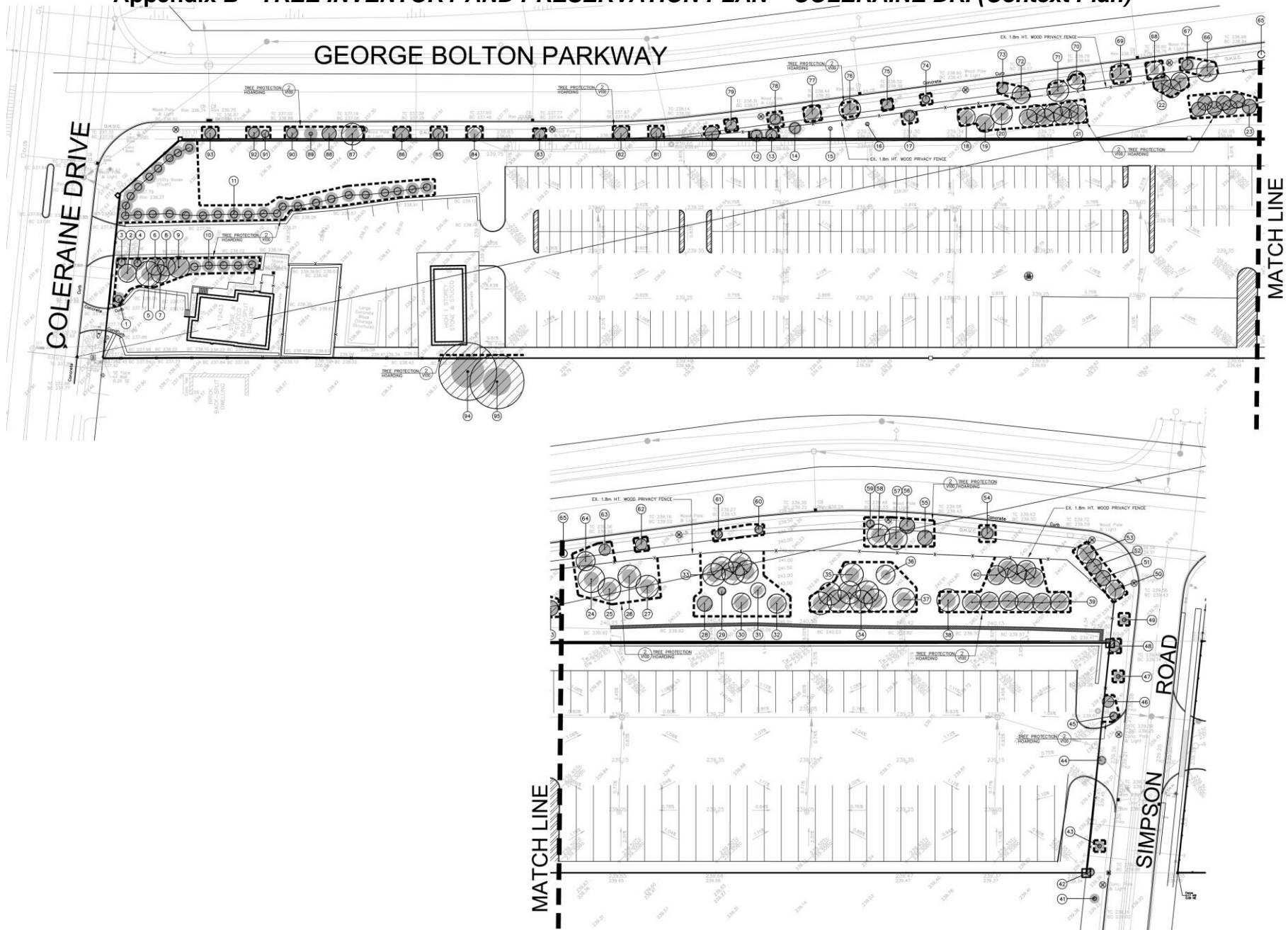
ISA Certified Arborist ISA ON-1114A

Senior Landscape Technologist

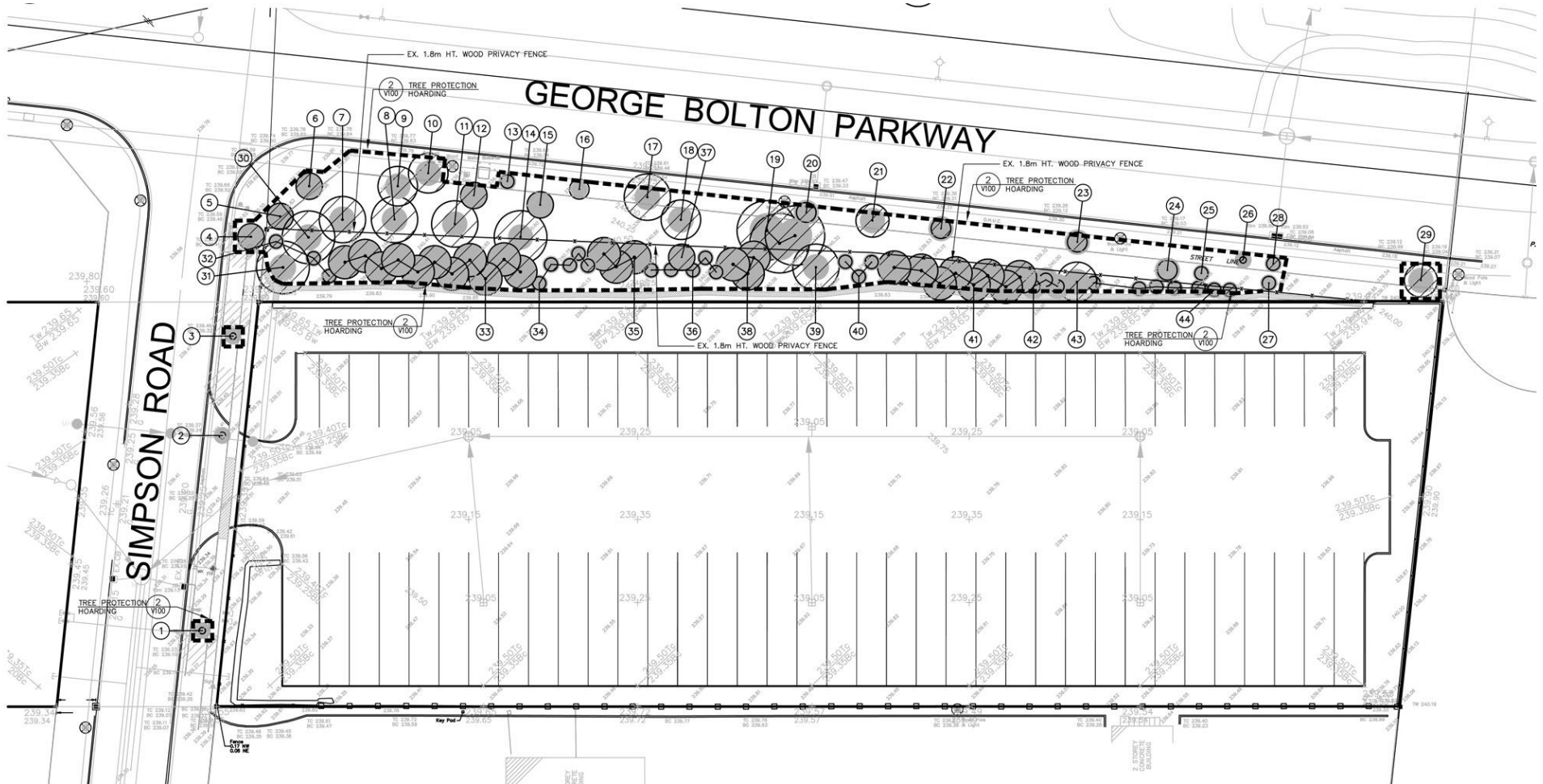
Appendix A –KEY MAP



Appendix B - TREE INVENTORY AND PRESERVATION PLAN – COLERAINE DR. (Context Plan)



Appendix C - TREE INVENTORY AND PRESERVATION PLAN – SIMPSON RD. (Context Plan)



Arborist Report

12423 Coleraine Dr. & 0 Simpson Rd., – Town of Caledon (Bolton)

Appendix D – SITE PHOTOS (12423 Coleraine Dr.)



South side of driveway – view west



North side of driveway – view west



South side of driveway – view north



North side of driveway – view east



Vegetated berm – view east



George Bolton Parkway – view east

Arborist Report

12423 Coleraine Dr. & 0 Simpson Rd., – Town of Caledon (Bolton)

Appendix D – SITE PHOTOS (0 Simpson Rd.)



Vegetated berm – view north



Vegetated berm – view north



Vegetated berm – view north



Vegetated berm – view west



Vegetated berm – view east



Vegetated berm – view west

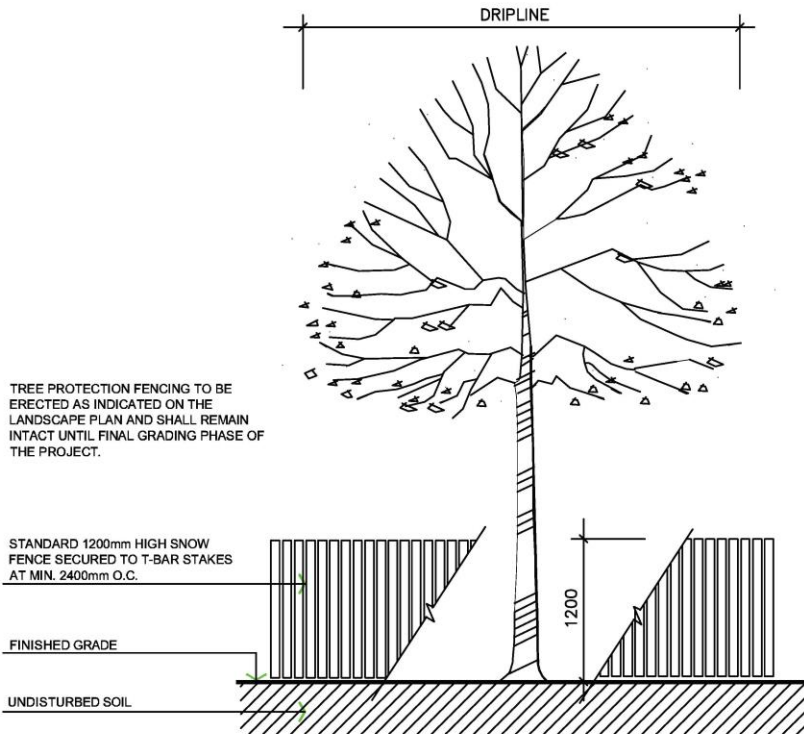


George Bolton Parkway. – Daylight triangle – view west



George Bolton Parkway. – view east

Appendix E – TREE PROTECTION HOARDING DETAIL



SPECIFICATIONS FOR THE PROTECTION AND PRESERVATION OF EXISTING VEGETATION:

1. PRIOR TO ISSUANCE OF THE BUILDING PERMIT, ALL EXISTING TREES THAT ARE TO BE PRESERVED SHALL BE FULLY PROTECTED WITH HOARDING (IE SNOW FENCING) OUTSIDE THEIR 'DRIPLINES', TO THE SATISFACTION OF THE TOWN.
2. GROUPS OF TREES AND OTHER EXISTING PLANTINGS TO BE PROTECTED SHALL BE TREATED IN A LIKE MANNER WITH HOARDING AROUND THE ENTIRE CLUMP(S).
3. AREAS WITHIN THE PROTECTIVE FENCING SHALL REMAIN UNDISTURBED AND SHALL NOT BE USED FOR THE STORAGE OF BUILDING MATERIALS OR EQUIPMENT. NO CONTAMINANTS SHALL BE DUMPED OR FLUSHED WHERE FEEDER ROOTS OF TREES EXIST.
4. PRUNE BRANCHES TO REMOVE DAMAGED LIMBS ONLY. DO NOT DAMAGE LEADERS. ALL CUTS OVER 25mm SHALL BE TREATED IN ACCORDANCE WITH APPROPRIATE HORTICULTURAL PRACTICES AS APPROVED BY THE TOWN.
6. CUTTING OF ROOTS OR CHANGING OF GRADES AROUND EXISTING TREES TO BE PRESERVED WILL NOT BE PERMITTED WITHOUT THE APPROVAL OF THE PUBLIC WORKS AND ENGINEERING DEPARTMENT.
7. TREES THAT HAVE DIED, OR HAVE BEEN DAMAGED BEYOND REPAIR SHALL BE REPLACED AT THE DEVELOPER'S EXPENSE, WITH TREES OF A SIZE AND SPECIES APPROVED BY THE TOWN.
8. IF TREES ARE BEING ADVERSELY AFFECTED BY CONSTRUCTION, A WATERING AND FERTILIZING PROGRAM IS TO BE SET UP TO THE SATISFACTION OF THE TOWN.
9. TREE PRESERVATION FENCE TO BE INSPECTED BY THE CONSULTING LANDSCAPE ARCHITECT AND APPROVED PRIOR TO CONSTRUCTION COMMENCING.

TOWN OF CALEDON					APR'D: C.C.	DATE: JUNE 08
TREE PRESERVATION	2	STANDARD No. 1135 NOW 707, NOTES EDIT		JUNE 08	DRAWN: abal	SCALE: NTS
	1	NOTE NO. 9 ADDED		MARCH 08	STANDARD No. 707	
	NO.	REVISION	APR'D	DATE		