STRYBOS BARRON KING
LANDSCAPE ARCHITECTURE

PARTNERS BRYN BARRON, OALA, CSLA, ISA
ALISTAIR JOHNSTON, LOHTA, ISA, ASCA
ASSOCIATES SALVATORE VIOLA, OALA, CSLA
MATTHEW REGIMBAL, LOHTA, ISA
LORIE ANN BLACK, OALA, CSLA

ARBORIST REPORT

PROPOSED RESIDENTIAL SUBDIVISION
12319 CENTERVILLE CREEK ROAD
TOWN OF CALEDON, ONTARIO

PREPARED FOR:
CAVALLINO ESTATES INC
10897 THIRD LINE
HALTON HILLS, ONTARIO
L9T 2X9

PREPARED BY:
STRYBOS BARRON KING LTD.
5770 HURONTARIO STREET
SUITE 320
MISSISSAUGA, ONTARIO
L5R 3G5

ISA CERTIFIED ARBORIST
MATTHEW GEHRES ON-1114A
SBK PROJECT NO:
25-6124

AUGUST 14, 2025

REVISED October 31, 2025

TABLE OF CONTENTS

Enclosed: **Full Size Tree Inventory and Preservation Plan V100 accompanies the report.**

Introduction

Strybos Barron King Ltd. was retained by Cavallino Estates Inc. to prepare an Arborist Report for in accordance with the Town of Caledon requirements. The purpose of this study is to determine ethe species composition, character, and health of the existing trees and assess opportunities for preservation in relation to a proposed Draft Plan of Subdivision. The subject property is located at 12319 Centerville Creek Road in the Town of Caledon, Ontario.

The owner is filing a Draft Plan of Subdivision application in support of a residential development on the subject property. A review of the existing vegetation within the property was conducted by an ISA Certified Arborist from Strybos Barron King Kind Ltd. on May 21st, 2025. In order facilitate the proposed development, any trees that are in conflict with the required development construction and servicing works will require removal. This report is to be read in conjunction with a *Tree Inventory & Preservation Plan (V100)* also prepared by Strybos Barron King Ltd.

Site Context

The subject property, located at 12319 Centerville Creek Road, is positioned on the east side of Centerville Creek Road, north of Mayfield Road in Caledon, Ontario. The majority of trees were found in the area of the existing single-family home and farm buildings. The balance of the site is farmland with similar uses on adjacent abutting lands.

Plans Utilized

A topographic site survey plan prepared by R-PE Surveying Ltd., and draft plan of subdivision prepared by Bousfields INC. and satellite imagery were used as reference to determine the location of existing trees in relation to the proposed new subdivision development and existing site conditions, as well as to inform any constraints associated with the proposed construction and site planning works.

Tree Inventory

Trees were identified both 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 were 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.

Refer to attached V100- *Tree Inventory and Preservation Plan* for the locations of, and details pertaining to specific trees.

Table 1 – Existing Tree Inventory List

EXISTING TREE INVENTORY

TAG	SPECIES	DBH	CROWN	HEALTH	STRUCTURE	COMMENTS	PRESERVATION	OWNERSHIP	MIN. TPZ	TAG
		(cm)	(m)	G/F/P			DIRECTION		(m)	
41	Black Mulberry	34,20,17	8	FAIR	MULTI-STEM	Deadwood, dieback	Remove	Subject Site	3.0	41
42	Red Spruce	18	5	GOOD	UPRIGHT	Supressed	Remove	Subject Site	2.4	42
43	White Spruce	19	5	GOOD	UPRIGHT		Remove	Subject Site	2.4	43
44	White Spruce	14	4	FAIR	UPRIGHT		Remove	Subject Site	2.4	44
45	White Spruce	20	5	GOOD	UPRIGHT		Remove	Subject Site	2.4	45
46	White Spruce	15	4	FAIR	UPRIGHT	Minor deadwood, dieback	Remove	Subject Site	2.4	46
47	White Spruce	16	5	FAIR	UPRIGHT	Minor deadwood, dieback	Remove	Subject Site	2.4	47
48	White Spruce	15	4	FAIR	UPRIGHT	Minor deadwood, dieback	Remove	Subject Site	2.4	48
49	White Spruce	13	4	FAIR	UPRIGHT	Minor deadwood, dieback	Remove	Subject Site	2.4	49
50	White Spruce	13	5	FAIR	UPRIGHT	Minor deadwood, dieback	Remove	Subject Site	2.4	50
51	White Spruce	13	4	FAIR	UPRIGHT	Minor deadwood, dieback	Remove	Subject Site	2.4	51
52	White Spruce	14	4	FAIR	UPRIGHT	Deadwood, dieback	Remove	Subject Site	2.4	52
53	White Spruce	10	5	FAIR	UPRIGHT	Minor deadwood, dieback	Remove	Subject Site	2.4	53
54	White Spruce	13	5	FAIR	UPRIGHT	Minor deadwood, dieback	Remove	Subject Site	2.4	54
55	White Spruce	14	5	GOOD	UPRIGHT	Minor deadwood, dieback	Remove	Subject Site	2.4	55
56	White Spruce	14	4	GOOD	UPRIGHT		Remove	Subject Site	2.4	56
57	White Spruce	15	5	GOOD	UPRIGHT		Remove	Subject Site	2.4	57
58	Douglas Fir	18	5	GOOD	UPRIGHT		Remove	Subject Site	2.4	58
59	White Cedar	15,15,15	10	FAIR	MULTI-STEM	Broad	Remove	Subject Site	2.4	59
60	White Cedar	15,16,15	8	FAIR	MULTI-STEM	Broad	Remove	Subject Site	2.4	60
61	White Cedar	16	5	FAIR	UPRIGHT	Deadwood, dieback	Remove	Subject Site	2.4	61
62	American Elm	37	7	DEAD	UPRIGHT	Dead, Emerald Ash Borer	Remove	Subject Site	3.0	62
63	White Cedar	17	4	FAIR	UPRIGHT	Crowded by adjacent trees	Remove	Subject Site	2.4	63
64	White Cedar	26	4	POOR	LEANING	Crowded by adjacent trees, unhealed trunk wound	Remove	Subject Site	2.4	64
65	American Elm	27	7	POOR	UPRIGHT	Minor deadwood, dieback	Remove	Subject Site	2.4	65
66	White Cedar	22,21	7	POOR	UPRIGHT	Crowded by adjacent trees, minor deadwood	Remove	Subject Site	2.4	66
67	White Cedar	17,17	7	FAIR	MULTI-STEM	Crowded by adjacent trees	Remove	Subject Site	2.4	67
68	White Cedar	19	6	FAIR	UPRIGHT	Minor deadwood, dieback	Remove	Subject Site	2.4	68
69	White Cedar	18	6	FAIR	UPRIGHT	Crowded by adjacent trees, deadwood, dieback	Remove	Subject Site	2.4	69
70	White Cedar	13,16	7	FAIR	MULTI-STEM	minor deadwood, dieback	Remove	Subject Site	2.4	70
71	American Elm	38	8	DEAD	UPRIGHT	Emerald Ash Borer, DEAD	Remove	Subject Site	3.0	71
72	White Cedar	11	4	FAIR	UPRIGHT	Crowded by adjacent trees	Remove	Subject Site	2.4	72
73	White Cedar	14	6	FAIR	MULTI-STEM	Crowded by adjacent trees	Remove	Subject Site	2.4	73
74	White Cedar	16,21	8	FAIR	UPRIGHT	Minor deadwood, dieback, crowded by adjacent trees	Remove	Subject Site	2.4	74
75	White Cedar	22,15	8	FAIR	ASYMMETRICAL	Crowded by adjacent trees, deadwood, dieback	Remove	Subject Site	2.4	75
76	White Cedar	13,13	7	FAIR	ASYMMETRICAL	Crowded by adjacent trees, deadwood, dieback	Remove	Subject Site	2.4	76
77	White Cedar	15,18	7	FAIR	ASYMMETRICAL	Crowded by adjacent trees, deadwood, dieback	Remove	Subject Site	2.4	77
78	White Cedar	15,17,21	10	FAIR	BROAD		Remove	Subject Site	2.4	78
79	White Cedar	40,22,28	14	FAIR	MULTI-STEM	Deadwood, dieback	Remove	Subject Site	3.0	79
80	White Cedar	21,15,25	12	FAIR	MULTI-STEM	Exposed roots, girdled roots	Remove	Subject Site	2.4	80
81	White Cedar	13,18,4	8	FAIR	MULTI-STEM	Crowded by adjacent trees, asymmetrical	Remove	Subject Site	2.4	81
82	White Cedar	14	6	FAIR	UPRIGHT	Crowded by adjacent trees	Remove	Subject Site	2.4	82
83	White Cedar	27,22,19	12	FAIR	MULTI-STEM	Crowded by adjacent trees, asymmetrical	Remove	Subject Site	2.4	83
84	White Cedar	24	5	POOR	ASYMMETRICAL	Leaning, unhealed trunk wound	Remove	Subject Site	2.4	84
85	White Cedar	21	4	FAIR	UPRIGHT		Remove	Subject Site	2.4	85
86	Manitoba Maple	14	5	FAIR	ASYMMETRICAL	Leaning, crowded by adjacent trees	Remove	Subject Site	2.4	86
87	White Cedar	18,23	5	FAIR	UPRIGHT	Crowded by adjacent trees	Remove	Subject Site	2.4	87
88	Austrian Pine	27	7	FAIR	UPRIGHT	Deadwood, dieback	Remove	Subject Site	2.4	88
89	Austrian Pine	34	10	FAIR	BROAD	Unhealed trunk wound, minor deadwood, dieback	Remove	Subject Site	3.0	89
90	Austrian Pine	34	10	FAIR	LEANING	Broad, crowded by adjacent trees	Remove	Subject Site	3.0	90
91	Sugar Maple	20	10	FAIR	UPRIGHT	Unhealed trunk wound	Remove	Subject Site	2.4	91
92	Sugar Maple	11	5	FAIR	BROAD	Deadwood, dieback	Remove	Subject Site	2.4	92
93	Sugar Maple	15	10	FAIR	BROAD		Remove	Subject Site	2.4	93
94	Sugar Maple	27	12	FAIR	BROAD	Minor deadwood, dieback	Remove	Subject Site	2.4	94
95	Sugar Maple	18	8	FAIR	BROAD		Remove	Subject Site	2.4	95
96	White Spruce	40	14	FAIR	UPRIGHT	Minor deadwood, dieback	Remove	Subject Site	2.4	96
97	Blue Spruce	11	6	FAIR	BROAD	Deadwood	Remove	Subject Site	2.4	97
98	White Mulberry	26	7	FAIR	BROAD	Deadwood, dieback	Remove	Subject Site	2.4	98
99	White Mulberry	23	7	FAIR	BROAD	Deadwood, dieback	Remove	Subject Site	2.4	99
100	Honey Locust	17,25	10	FAIR	BROAD	Minor deadwood, dieback, upright	Remove	Subject Site	2.4	100
101	White Spruce	12	4	FAIR	UPRIGHT	minor deadwood, dieback	Remove	Subject Site	2.4	101
102	White Spruce	15	5	FAIR	UPRIGHT	Deadwood, dieback	Remove	Subject Site	2.4	102
103	Beech	11	6	GOOD	BROAD		Remove	Subject Site	2.4	103
104	Sugar Maple	13	3	FAIR	BROAD	Deadwood, dieback	Remove	Subject Site	2.4	104
105	Sugar Maple	16	8	FAIR	BROAD	Deadwood, dieback	Remove	Subject Site	2.4	105
106	Sugar Maple	11,11	7	FAIR	BROAD	Deadwood, dieback	Remove	Subject Site	2.4	106
107	Sugar Maple	14	5	FAIR	BROAD	Deadwood, dieback	Remove	Subject Site	2.4	107
108	Austrian Pine	39	10	FAIR	BROAD	Crowded by adjacent trees, unhealed trunk wound	Remove	Subject Site	3.0	108
109	Austrian Pine	28	8	FAIR	BROAD	Deadwood, dieback	Remove	Subject Site	2.4	109
110	Austrian Pine	31	10	FAIR	UPRIGHT	Deadwood, dieback	Remove	Subject Site	2.4	110
111	White Spruce	28	7	FAIR	LEANING	Deadwood, dieback	Remove	Subject Site	2.4	111
112	White Spruce	31	5	FAIR	UPRIGHT	Deadwood, dieback	Remove	Subject Site	3.0	112
113	White Spruce	22	4	FAIR	LEANING	Deadwood, dieback	Remove	Subject Site	2.4	113
114	White Spruce	33	6	FAIR	UPRIGHT	Deadwood, dieback	Remove	Subject Site	3.0	114
115	White Spruce	34	8	FAIR	BROAD	Deadwood, dieback	Remove	Subject Site	3.0	115

EXISTING TREE INVENTORY

TAG	SPECIES	DBH (cm)	CROWN (m)	HEALTH G/F/P	STRUCTURE	COMMENTS	PRESERVATION DIRECTION	OWNERSHIP	MIN. TPZ (m)	TAG
116	White Spruce	29	5	FAIR	UPRIGHT	Deadwood, dieback	Remove	Subject Site	2.4	116
117	White Cedar	19,15,15,14,14,22	8	FAIR	MULTI-STEM		Remove	Subject Site	2.4	117
118	White Cedar	17,10,16,18,14	5	FAIR	MULTI-STEM		Remove	Subject Site	2.4	118
119	White Cedar	20,21,12,15,14	8	FAIR	MULTI-STEM	Broad	Remove	Subject Site	2.4	119
120	White Cedar	22,18,19,10	8	FAIR	MULTI-STEM	Broad	Remove	Subject Site	2.4	120
121	White Cedar	11	4	FAIR	MULTI-STEM	Lean, deadwood, dieback	Remove	Subject Site	2.4	121
122	Sugar Maple	14	4	FAIR	UPRIGHT		Remove	Subject Site	2.4	122
123	Silver Maple	24,21	9	FAIR	MULTI-STEM	Deadwood, dieback	Remove	Subject Site	2.4	123
124	Silver Maple	51	8	FAIR	UPRIGHT	Deadwood, dieback	Remove	Subject Site	3.6	124
125	Silver Maple	47	9	FAIR	UPRIGHT	Deadwood, dieback	Remove	Subject Site	3.0	125
126	Silver Maple	33	8	FAIR	UPRIGHT		Remove	Subject Site	2.4	126
127	American Elm	12,14	5	FAIR	MULTI-STEM		Remove	Subject Site	2.4	127
128	Ash	16	5	POOR	UPRIGHT	Deadwood	Remove	Subject Site	2.4	128
129	White Cedar	13	3	FAIR	MULTI-STEM	Deadwood, upright	Remove	Subject Site	2.4	129
130	White Cedar	10	3	FAIR	MULTI-STEM	Crowded by adjacent trees, deadwood, upright	Remove	Subject Site	2.4	130
131	White Cedar	16,14	4	FAIR	MULTI-STEM	Upright	Remove	Subject Site	2.4	131
132	White Cedar	10,12	3	FAIR	MULTI-STEM	Upright, deadwood, dieback	Remove	Subject Site	2.4	132
133	White Cedar	13	2	FAIR	UPRIGHT	Deadwood, dieback	Remove	Subject Site	2.4	133
134	White Cedar	11,12	3	FAIR	MULTI-STEM	Upright, deadwood, dieback	Remove	Subject Site	2.4	134
135	White Cedar	17	4	FAIR	UPRIGHT	Deadwood, dieback, upright	Remove	Subject Site	2.4	135
136	American Elm	24	10	FAIR	UPRIGHT	Minor deadwood, dieback	Remove	Subject Site	2.4	136
137	Sugar Maple	30	10	FAIR	UPRIGHT	Deadwood, dieback	Remove	Subject Site	2.4	137
138	White Pine	12	5	FAIR	UPRIGHT	Minor deadwood, dieback	Remove	Subject Site	2.4	138
139	Scots Pine	13	6	FAIR	MULTI-STEM		Remove	Subject Site	2.4	139
140	Blue Spruce	20	6	GOOD	UPRIGHT		Remove	Subject Site	2.4	140
141	Scots Pine	20	7	FAIR	UPRIGHT	Minor deadwood, dieback	Remove	Subject Site	2.4	141
142	Crab Apple	12	6	FAIR	UPRIGHT	Minor deadwood, dieback, peeling bark, unhealed trunk wound	Remove	Subject Site	2.4	142
143	Little Leaf Linden	12	1	POOR	UPRIGHT	Deadwood, dieback	Remove	Subject Site	2.4	143
144	Little Leaf Linden	17	8	FAIR	BROAD	Minor deadwood, dieback	Remove	Subject Site	2.4	144
Group A	White Cedar	10-20	N/A	FAIR	GROUP	220 stem cedar hedge group measuring 10-20cm dia.	Remove	Subject Site	2.4	Group
Group A	White Cedar	21-35	N/A	FAIR	GROUP	28 stem cedar hedge group measuring 21-35cm dia	Remove	Subject Site	2.4	Group
Group B	White Cedar	10-20	N/A	FAIR	GROUP	13 stem cedar hedge group measuring 10-20cm dia.	Remove	Subject Site	2.4	Group
Group B	White Cedar	21-35	N/A	FAIR	GROUP	7 stem cedar hedge group measuring 21-35cm dia	Remove	Subject Site	2.4	Group
Group C	White Cedar	10-20	N/A	FAIR	GROUP	12 stem cedar hedge group measuring 10-20cm dia.	Remove	Subject Site	2.4	Group
Group C	White Cedar	21-35	N/A	FAIR	GROUP	5 stem cedar hedge group measuring 21-35cm dia	Remove	Subject Site	3.0	Group
Group D	White Cedar	10-20	N/A	FAIR	GROUP	24 stem cedar hedge group measuring 10-20cm dia.	Remove	Subject Site	2.4	Group
Group D	White Cedar	20-30	N/A	FAIR	GROUP	10 stem cedar hedge group measuring 21-35cm dia	Remove	Subject Site	2.4	Group
Group E	Cedar, Pine, Blue Spruce	10-20	N/A	FAIR	GROUP	3 stem multi-species hedge group measuring 10-20cm dia.	Remove	Subject Site	2.4	Group E
Group E	Cedar, Pine, Blue Spruce	30-40	N/A	FAIR	GROUP	5 stem multi-species hedge group measuring 30-40cm dia	Remove	Subject Site	3.0	Group E
H1	White Cedar	10-20	N/A	FAIR	GROUP	114 stem cedar hedge row measuring 10-20cm dia.	Remove	Subject Site	2.4	H1
H2	Spruce	10-20	N/A	FAIR	GROUP	6 stem spruce hedge row measuring 10-20cm dia.	Remove	Subject Site	2.4	H2

Inventory Summary and Observations

The westerly portion of the subject property contains an existing residential dwelling, and remnant farm buildings, with an asphalt/gravel driveway access from Centreville Creek road. Groupings of trees were found in proximity of this residential area.

Many of the trees within the groupings are composed of White Cedar. Several other species were also observed throughout the property, including White Spruce, Sugar Maple, Silver Maple, Austrian Pine, Black Mulberry, Douglas fir, Manitoba Maple, Red Spruce, Blue Spruce, Honey Locust, Beech, Ash, Scot's Pine, Crab Apple, Little Leaf Linden, and American Elm. Overall, the health of these trees ranges from poor to good, with some trees either dead or in a state of decline. Two dead American Elm trees were also noted.

A cluster of Austrian Pine trees occur at the entrance of the driveway. A row of Sugar Maple and White Spruce are located along the north side of the driveway and a row of Sugar Maples, Austrian Pines, and White Cedars occur along the south side. A mature hedgerow of White Cedar occurs along the southern property boundary. Another White Cedar hedge occurs east of this one. Two additional Cedar hedgerows are located near a farm building. A hedgerow, primarily of White Spruce is located west of the building. Further, a mixed Spruce hedgerow occurs on the north side of the subject site.

Discussion and Recommendations

Tree preservation and removal recommendations have been made in consideration of the proposed plan of subdivision and anticipated construction, grading and servicing impacts. Further tree health, structural integrity, species composition, and spatial relationships to the proposed development were evaluated to guide these recommendations.

Some of the trees were observed to be in decline or structurally unstable. These trees are recommended for removal due to their deteriorating structural condition and potential safety risk. Additional removals are recommended for trees with anticipated root zone disturbance and canopy conflicts.

The following is a summary of removals associated with the proposed construction works. Trees #62 and #71 are dead. The remainder of the trees proposed for removal are either in poor or declining condition or are within the limits of construction associated with the proposed Draft Plan of Subdivision.

Removals should occur outside of the breeding bird season (April 1- August 1). 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.

Compensation Requirement for Healthy Tableland Trees

In accordance with the Town of Caledon's Term's of Reference for Arborist Reports, Tree Preservation Plans and Tableland Tree Removal Compensation Version 1.0 (dated April 2020), replacement/compensation planting is required. The following is a summary of compensation requirements.

Table 2 – Town of Caledon Tree Removal Compensation Ratio for Healthy Tableland Trees

DBH (cm)	Ratio
<10	N/A
10-20	1:1
21-35	2:1
36-50	3:1
51-65	4:1
>65	5:1

To reduce the impact of the removal of mature trees to the urban tree canopy, compensation trees will be 60mm DBH, or evergreens 1500mm in height min. unless otherwise approved by the Town. Based on the Tree Removal Compensation Ratio above for healthy trees 10cm DBH and greater, **six hundred and forty-seven** (**647**) trees are required for compensation. The Town of Caledon Development Standards Manual states that all replacement trees for residential properties shall be a minimum of 60mm Caliper for deciduous trees and a minimum of 180cm height for coniferous trees.

Summary of Removals & Replacements Subject to Town of Caledon Bylaw

The following is a summary of proposed tree removals for this site.

- ***Table 3 –Tree Removals & Compensation Calculations*** *(Refer to The Tree Inventory List for specific details)*

Tag No.	Diameter (cm)	Health	Compensation
41	34,20,17	FAIR	2
42	18	GOOD	1
43	19	GOOD	1
44	14	FAIR	1
45	20	GOOD	1
46	15	FAIR	1
47	16	FAIR	1
48	15	FAIR	1
49	13	FAIR	1
50	13	FAIR	1
51	13	FAIR	1
52	14	FAIR	1
53	10	FAIR	1
54	13	FAIR	1
55	14	GOOD	1
56	14	GOOD	1
57	15	GOOD	1
58	18	GOOD	1
59	15,15,15	FAIR	1
60	15,16,15	FAIR	1
61	16	FAIR	1
62	37	DEAD	N/A
63	17	FAIR	1
64	26	POOR	2
65	27	POOR	2
66	22,21	POOR	2
67	17,17	FAIR	1
68	19	FAIR	1
69	18	FAIR	1
70	13,16	FAIR	1
71	38	DEAD	N/A
72	11	FAIR	1
73	14	FAIR	1
74	16,21	FAIR	1
75	22,15	FAIR	2
76	13,13	FAIR	1
77	15,18	FAIR	1
78	15,17,20,21	FAIR	1
79	24,40,22,28	FAIR	2
80	21,15,25	FAIR	2
81	13,18,4	FAIR	1
82	14	FAIR	1
83	27,22,19,10	FAIR	2
84	24	POOR	2
85	21	FAIR	2
86	14	FAIR	1
87	18,23	FAIR	1
88	27	FAIR	2
89	34	FAIR	2
90	34	FAIR	2
91	20	FAIR	1
92	11	FAIR	1
93	15	FAIR	1
94	27	FAIR	2
95	18	FAIR	1
96	40	FAIR	3
97	11	FAIR	1
98	26	FAIR	2
99	23	FAIR	2
100	17,25	FAIR	1
101	12	FAIR	1
102	15	FAIR	1
103	11	GOOD	1
104	13	FAIR	1
105	16	FAIR	1
106	11,11	FAIR	1
107	14	FAIR	1
108	39	FAIR	3
109	28	FAIR	2
110	31	FAIR	2
111	28	FAIR	2
112	31	FAIR	2
113	22	FAIR	2
114	33	FAIR	2
115	34	FAIR	2
116	29	FAIR	2
117	19,15,15,14,1	FAIR	1
118	17,10,16,18,1	FAIR	1
119	20,21,12,15,1	FAIR	1
120	22,18,19,10	FAIR	2
121	11	FAIR	1
122	14	FAIR	1
123	24,21	FAIR	2
124	51	FAIR	4
125	47	FAIR	3
126	33	FAIR	2
127	12,14	FAIR	1
128	16	POOR	1
129	13	FAIR	1
130	10	FAIR	1
131	16,14	FAIR	1
132	10,12	FAIR	1
133	13	FAIR	1
134	11,12	FAIR	1
135	17	FAIR	1
136	24	FAIR	2
137	30	FAIR	2
138	12	FAIR	1
139	13	FAIR	1
140	20	GOOD	1
141	20	FAIR	1
142	12	FAIR	1
143	12	POOR	1
144	17	FAIR	1
Group	20	FAIR	220
Group	35	FAIR	56
Group	20	FAIR	13
Group	35	FAIR	14
Group	20	FAIR	12
Group	35	FAIR	10
Group	20	FAIR	24
Group	30	FAIR	20
Group	20	FAIR	3
Group	40	FAIR	15
H1	20	FAIR	114
H2	20	FAIR	6

Total number of dead tree removals: 2
Total number of tree removals: 551
Total Compensation Requirement: 647

Tree Protection Measures

Table 4 - Tree Protection Zones

Trunk Diameter (DBH)	***Minimum Protection Zone***
<10 cm	1.8m
10-30 cm	2.4 m
31-50 cm	3.0 m
51-60 cm	3.6 m
61-70 cm	4.2 m
71-80 cm	4.8 m
81-90 cm	5.4 m
91-100 cm	6.0 m
< 100 cm	6cm per 1cm DBH

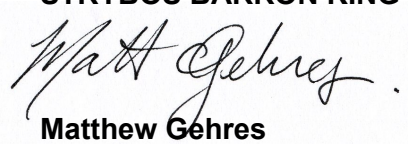
Because this site plan involves the removal of all the trees that could be affected by the construction, no tree protection measures will be put in place.

Conclusion

Strybos Barron King Ltd. was retained by Cavallino Estates Inc. to prepare an Arborist Report for the subject property in accordance with Town of Caledon requirements. The report outlines the existing conditions within and immediately adjacent to the subject property and provides compensation requirements.

The owner is filing a Draft Plan of Subdivision application in support of a residential development on the subject property. In order to achieve this, all trees within the subject property require removal. In all, **five hundred and fifty-one** (**551**) trees are recommended for removal, of which **two** (**2**) are dead. As per Town of Caledon compensation tree replacement requirements, **Six hundred and forty-seven** (**647**) replacement trees are required.

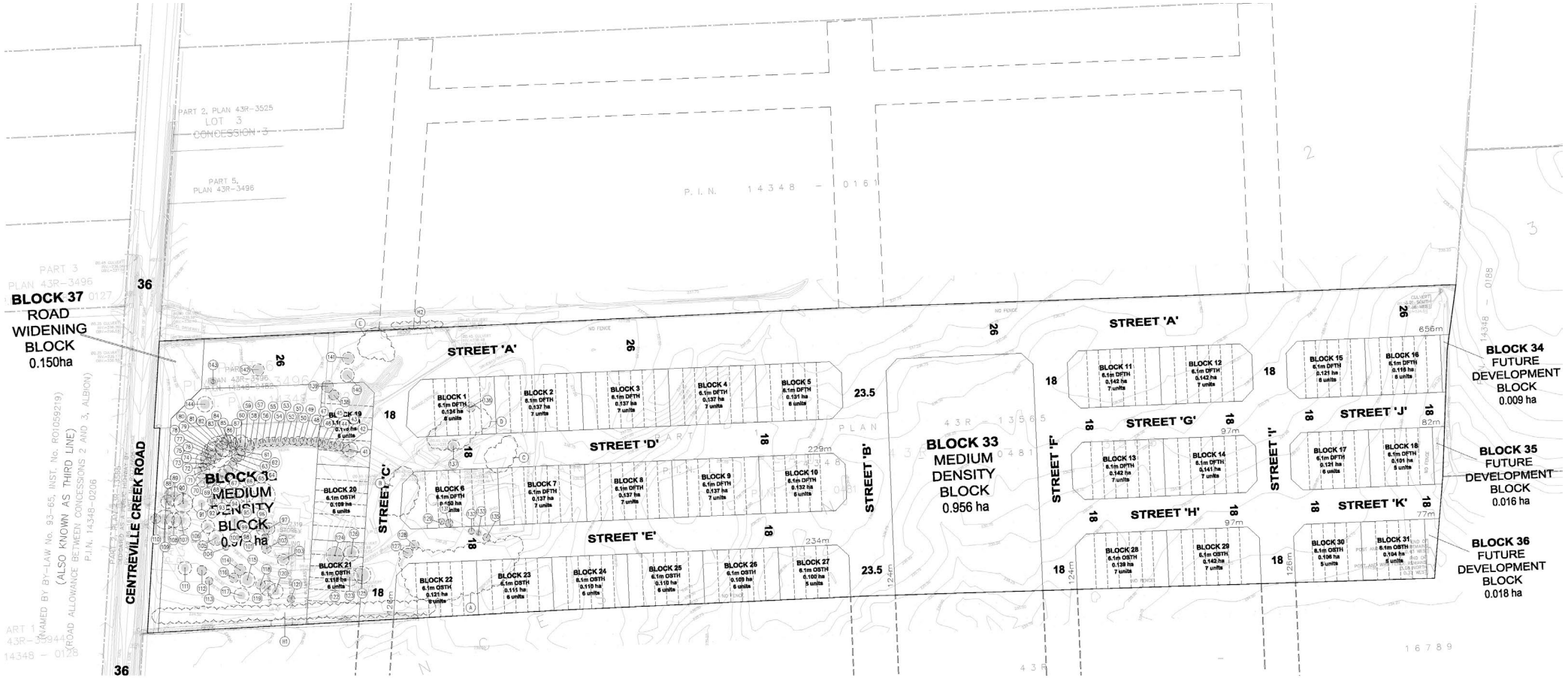
Prepared By:
STRYBOS BARRON KING LTD.



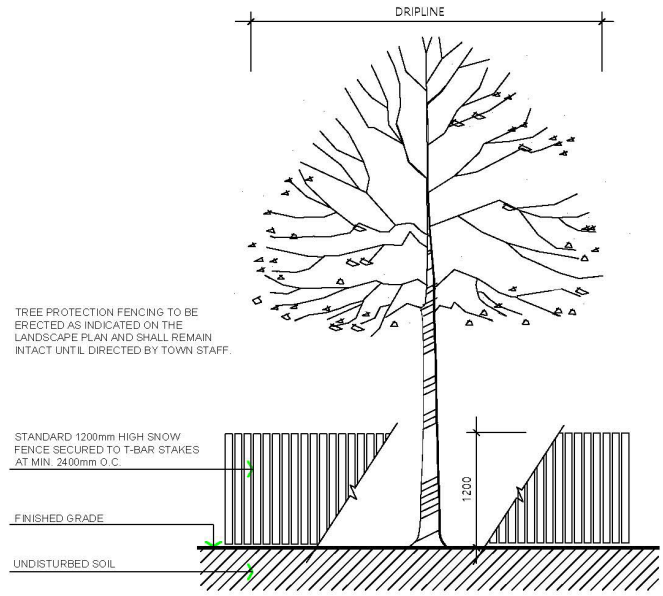
Matthew Gehres
ISA Certified Arborist ISA ON-1114A
Senior Landscape Technologist

APPENDIX A - KEY MAP
12319 Centerville Creek Road, Caledon

APPENDIX B –TREE INVENTORY AND PRESERVATION PLAN



APPENDIX C – TREE PROTECTION HOARDING (for reference)



SPECIFICATIONS FOR THE PROTECTION AND PRESERVATION OF EXISTING VEGETATION:

1. PRIOR TO ISSUANCE OF THE GRADING AND SERVICING OR BUILDING PERMIT, ALL EXISTING TREES THAT ARE TO BE PRESERVED SHALL BE FULLY PROTECTED WITH HOARDING (IE SNOW FENCING) OUTSIDE THEIR 'DRIPLINES', OR AS DIRECTED THROUGH ADDITIONAL GOVERNING DOCUMENTS,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. TREE PRESERVATION FENCE IS TO BE INSPECTED BY THE CONSULTING ARBORIST OR LANDSCAPE ARCHITECT AND APPROVED BY THE TOWN PRIOR TO CONSTRUCTION COMMENCING.
4. SILTATION CONTROL FENCING MAY BE USED AS A TREE PRESERVATION FENCING SUBSTITUTE IF REQUIRED BY ENGINEERING AT THE DISCRETION OF THE TOWN.
5. AREAS WITHIN 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. NO GARBAGE OR BUILDING MATERIALS ARE TO BE PLACED ON OR AGAINST THE TREE PRESERVATION FENCE.
6. 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. NO MORE THAN 20% OF THE TREE SHALL BE PRUNED UNLESS DIRECTED BY THE TOWN.
7. 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.
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. PRIOR TO FINAL APPROVAL TREES THAT HAVE DIED OR HAVE BEEN DAMAGED BEYOND REPAIR PRIOR DURING OR POST CONSTRUCTION SHALL BE REMOVED AND REPLACED WITH TREES OF A SIZE AND SPECIES APPROVED BY THE TOWN, AT THE SOLE COST OF THE DEVELOPER.

TOWN OF CALEDON						
	3	STANDARD 707 NOW 606		JAN 18	APR'D: C.C.	DATE: JUNE 08
	2	STANDARD No. 1135 NOW 707, NOTES EDIT		JUNE 08	DRAWN: abal	SCALE: NTS
TREE PRESERVATION	1	NOTE NO. 9 ADDED		MARCH 08	STANDARD No. 606	
	NO.	REVISION	APR'D	DATE		

Appendix C – *TREE PROTECTION HOARDING*

SPECIFICATIONS

A. General

The following Tree Preservation and Protection Measures will be undertaken to help eliminate and/or significantly reduce construction injury to all trees recommended for preservation. All temporary tree protection measures cited for retained trees must comply with the Town of Caledon Tree Protection Specifications and Details. Any variation from the standard tree protection measures must be approved in writing by the Town of Caledon.

B. Pre-Construction Phase

1. Prior to construction, the trees to be preserved shall be protected with a Tree Protection Barrier. The barrier shall consist of 1.2m (4ft) high orange plastic snow fence wired to T-bars (see Town of Caledon Tree Preservation Fencing, STD 606).
2. If applicable, attach a filter cloth 600mm high to the construction side of the hoarding to act as sediment control. Sediment control fencing shall meet or exceed OPSD-219.110, and be installed to the satisfaction of the Town of Caledon.
3. All supports and bracing used to safely secure the barrier should be located outside the Tree Protection Zone (TPZ). All supports and bracing should minimize damage to roots.
4. The TPZ fence is to be installed along the edge of the tree protection zones. This hoarding is to remain in place and remain in good condition throughout the entire duration of the project. Dismantling the tree protection barrier prior to approval by the Town of Caledon staff may constitute a contravention.
5. The applicant shall notify the Town of Caledon and the consulting certified arborist or landscape architect to confirm that the tree protection barriers are in place.
6. Where fill or excavated material must be temporarily located near a TPZ, a wooden barrier must be used to ensure no material enters the TPZ.
7. Remove any garbage and foreign debris from the tree protection zones, daily.
8. For the trees that were recommended for removal and/or crown pruning that are within the TPZ limits, these activities are to be performed by a qualified ISA certified arborist prior to the installation of the Tree Protection Zone barriers and prior to the commencement of any construction activities. Install the Tree Protection Zone barrier as per Tree Preservation Fencing, STD 606 at the limits shown on the tree inventory and protection plan after the tree removal, whichever is greater, and crown pruning activities are completed.
9. A **Tree Protection Zone** sign must be mounted on all sides of the tree protection barrier for the duration of site construction. The sign should be a minimum of 40cm x 60cm and made of white gator board or equivalent material.
10. The sign must be similar to the illustration shown below, or as directed by the Town of Caledon.

TREE PROTECTION ZONE

No work is permitted in the Tree Protection Zone

This includes construction works, grading, storage of trash or materials.

The tree protection barrier must not be removed without written authorization of the Town of Caledon.

11. All contractors and site visitors should be informed of the tree preservation and protection measures at a pre-construction meeting.

specifications continued on next panel...

TOWN OF CALEDON						
TREE PRESERVATION STANDARD NOTES - PART 1					APR'D: B.B.	DATE: AUGUST 17
					DRAWN: B.M.	SCALE: NTS
	NO.	REVISION	APR'D	DATE	STANDARD No. 710	

Appendix C – *TREE PROTECTION HOARDING*

SPECIFICATIONS continued from previous panel

C. During Construction Phase

1. All areas within the TPZ shall remain undisturbed for the duration of construction. There will be no grade changes, dumping, and storage of any materials, structures or equipment within these areas. The Tree Protection Barrier must not be removed without the written authorization of the Town of Caledon.
2. Minor grading works will be permitted at the edge of the preservation zone as required to correct localized depressions, and blend to existing grades.This work to be undertaken under the direct supervision of an ISA certified arborist.
3. A certified ISA arborist will undertake proper root pruning in accordance with acceptable arboriculture practices when and if roots of retained trees are to be exposed, damaged, or severed by construction work. The exposed roots will be backfilled with appropriate material as soon as possible to prevent desiccation. Root pruning prior to excavation will help prevent necessary damage to tree roots.The use of low pressure hydrovac to expose roots is recommended, at no additional cost.
4. The Town of Caledon must be notified for all work that impacts the TPZ for temporary removal of a section of hoarding to gain access for fine grading or other works. All works are to be supervised by the Town of Caledon.
5. No cables, wire or ropes of any kind shall be wrapped around or installed in trees to be preserved.
6. No contaminants will be dumped or flushed in the TPZ areas or where feeder roots of trees exist (generally beyond the TPZ areas).
7. Irrigate tree protection zones during drought conditions, June to September to reduce drought stress.
8. Inspect the site daily to ensure hoarding is in place and in good condition. Inspect trees to monitor condition.

D. Post Construction Phase

1. Following the completion of all site works including landscaping, and after review and approval by the Town of Caledon staff, the protective hoarding may be removed.
2. After removal of the protective hoarding, the Tree Preservation Zones shall be inspected by the Town of Caledon staff. Any remaining dead, diseased, or hazardous limbs or trees are to be removed by an ISA certified arborist as directed by the consulting arborist or Town of Caledon staff.

end of specifications

TOWN OF CALEDON					APR'D: B.B.	DATE: AUGUST 17
TREE PRESERVATION STANDARD NOTES - PART 2					DRAWN: B.M.	SCALE: NTS
	NO.	REVISION	APR'D	DATE	STANDARD No. 711	

Appendix D – *SITE PHOTOS*

Tree #’s 41-60 (Right to Left)

Tree 60-87

Tree #’s 88-91 (Left Side)

Tree #’s 92-100

Tree #’s 104-110

Tree #’s 111-121

Tree #'s 122-128

Tree #'s 129-135

Tree #'s 136-137 & Grouping C & D

Tree #'s 138-141

Tree 142-143

Group A

	
Group B	Group E
	
Cedar Hedge- H1	Spruce Hedge- H2