

ARBORIST & TREE PRESERVATION REPORT

15877 Mount Wolfe Road
Caledon, ON

June 2012
Updated February 2015

MEP DESIGN INC

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Arborist Report for **Hall's Lake Estates** **15877 Mount Wolfe Road** **Caledon, ON**

Site Visit: 06 June 2012

1. Introduction

The following is an arborist report for the property at Hall's Lake Estates, in Caledon Ontario. The purpose of this report was to ascertain the potential impacts of the proposed development on the trees on, and near, the subject site. This report was prepared by MEP Design Inc., Landscape Architects.

2. Methods

An on-site inspection was made on June 6, 2012. The sizes of individual trees were measured as diameter at breast height (DBH), breast height being 140 cm from ground level. The locations of these trees are indicated on the arborist's plan (Fig. 1). Further details are indicated on the full site plan (Fig. 2). From the data collected plant Condition Rating (CR), Location Rating (LR), Species Rating (SR), and minimum Tree Protection Zones (TPZ), were estimated.^{1,2}

3.1 Discussion

We are of the understanding that there are plans to develop a residential site at the Hall's Lake Estates located on the subject site at 15877 Mount Wolfe Road, in Caledon Ontario.

Road Allowance Trees:

There are our (4) road allowance trees that may be effected by construction and it appears that these may require removal. Cross-referencing against the proposed subdivision plan will verify the potential for preservation.

Private Trees:

There are several private trees located on site that will require removal. The trees are situated such that it would be difficult to incorporate into the development plans (Table 1, Fig. 1). Cross-referencing against the proposed subdivision plan will verify the potential for preservation or requirement for removal.

Neighbours' Trees:

It is anticipated that no neighbouring trees will be adversely affected by this proposed development. Sediment and erosion control measures must be taken as specified by the subdivision grading Engineers.

3.2 Tree Protection:

Any existing trees noted to be preserved will require a detailed tree preservation strategy to be developed and coordinated with the Subdivision Grading Engineers to minimize impact through grade and topography changes as well as sediment control.

3.3 Replacement Trees:

A detailed landscape and streetscape planting plan will be developed in coordination with the Subdivision Engineer that will specify the minimum number of replacement trees required and the potential for enhancement of any existing tree habitats.

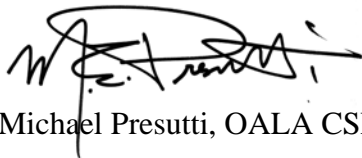
4. Conclusions

The tree species predominately present on the subject site reflects a cultivated landscape matrix with manicured landscape gradients throughout. The primary species mix of Spruce, Maple, and Walnut occurs throughout the cultivated landscape gradient and Cedar, Manitoba Maple, and Sumac throughout the manicured gradient.

No tree species on the subject site were observed to be protected under the Provincial (2007) Endangered Species Act, inclusive of current listed Species at Risk in Ontario.

On the subject property there are approximately 60 trees over 20 cm DBH. Two willow trees and two Sugar Maples are noted as over 75 cm DBH. Most of the existing trees within Block 31, Lots 3,4,5, and 6 on the site would be incompatible with the potential development plans.

On receipt of Draft Plan Approval, and at the detailed design stage, a detailed Streetscape Plan will be prepared in support of the subdivision design process. At this stage, it is anticipated that in the order of 180 replacement trees will be provided with new subdivision streetscaping.



Michael Presutti, OALA CSLA (principal Landscape Architect)



D. Andrew White M. Sc. (ISA Certified Arborist ON-0734)

5. Tree Data:



Figure #1: Detail Aerial View of the Hall's Lake Estates property (nts)

*Refer to Attached MAP 1 – Air Photo and Street Concept Plan by Calder Engineering

Table #1. Tree number (No.), species, diameter at breast height (DBH), comments, Condition Rating (CR), and Tree Category (TC).

No.	Tree Species	DBH (cm)	Comments	CR	TC
1	Black walnut	24	SE corner	Good	Private
2	Black walnut	12-14	SE	Fair	Rd. All.
3	White cedar	42-45	S	Good	Rd. All.
4	Sugar maple	71	S	Poor	Private
5-8	White cedars, 4	18-24	SW	Fair	Private
9	White cedar, 1	30	SW	Good	Rd. All.
10	black walnut	15	S	good	Private
11-13	Black walnuts, 3	12-14	SW	Good	Rd. All.
14	Sugar maple	75	SW corner	Fair	Private
15-20	Manitoba maples, 6	10-15	SE row	Fair	Private
21-22	Sugar maples, 2	33 & 44	SE row	Fair	Private
23	White cedar	28-34	SE row	Good	Private
24	White cedar	63	SE row	Good	Private
25	Black walnut	18-22	SE row	Fair	Private
26	Black walnut	18	E row	Good	Private
27	Sugar maple	43	S row	Fair	Private
28	Sugar maple	63	S row	Fair	Private
29	Sugar maple	42	S row	Fair	Private
30	Sugar maple	57	S row	Fair	Private
31	Sugar maple	92	SW field	Good	Private
32-34	Cottonwood, 3	30-38	SW field	Poor	Private
35	Cottonwood	68	SW field	Poor	Private
36	Black walnut	42	SW field	Fair	Private
37	Manitoba maple	22	SW lane	Good	Private
38	Scots pine	34	SW lane	Fair	Private
39	Black walnut	20	W lane	Good	Private
40	Scots pine	53	W lane	Fair	Private
41-43	Norway spruces, 3	10-12	W lane	Poor	Private
44-51	Norway spruces, 8	28-61	W lane	Fair	Private

No.	Tree Species	DBH (cm)	Comments	CR	TC
52-54	White cedars, 3	20-30	W lane	Good	Private
55-56	Sugar maples, 2	42-55	W lane	Fair	Private
57-60	White cedars, 4	20-26	W wood	Good	Private
61-64	Manitoba maples, 4	28-32	W wood	Fair	Private
65	Manitoba maple	49	W wood	Poor	Private
66	Black walnut	54	W wood	Poor	Private
67-69	Manitoba maples, 3	24-38	W wood	Fair	Private
70	Black walnut	29	W wood	Good	Private
71	Siberian elm	46-49	W wood	Fair	Private
72-75	Manitoba maples, 4	48-58	W wood	Fair	Private
76	Manitoba maple	17	E barnyard	Good	Private
77	Manitoba maples	43-46	E barnyard	Fair	Private
78	Black walnut	33	E barnyard	Fair	Private
79-83	Manitoba maples, 5	10-16	E barnyard	Good	Private
84	Black locust	18	E barnyard	Good	Private
85-89	Black walnut, 5	20-26	E barnyard	Fair	Private
90	Manitoba maple	56	E barnyard	Fair	Private
91	Stag-horn sumac	10-14	E barnyard	Fair	Private
92	White cedars	65	E barnyard	Fair	Private
93-94	Manitoba maples, 2	18-28	NE barnyard	Fair	Private
95	Black walnut	12-16	NE barnyard	Good	Private
96-98	Manitoba maples, 3	16-18	NE barnyard	Fair	Private
99-108	Manitoba maples, 10	16-18	NE barnyard	Fair	Private
109-113	Manitoba maples, 5	26-32	NE barnyard	Fair	Private
114	Sugar maple	50-55	E yard	Fair	Private
115	Sugar maple	43	E yard	Good	Private
116-123	White cedars, 8	20-26	Yard	Fair	Private
124	Manitoba maple	36	S yard	Fair	Private
125	Apple tree	71	Yard	Poor	Private
126	Black walnut	38	Yard	Fair	Private

No.	Tree Species	DBH (cm)	Comments	CR	TC
127-128	Manitoba maples, 2	52-53	Yard	Fair	Private
129-130	Manitoba maples, 2	18 & 28	Yard	Fair	Private
131-132	Sugar maples, 2	22 & 30	Yard	Fair	Private
133	White willow	118	Yard	Good	Private
134	Manitoba maple	58	W yard	Fair	Private
135	Cottonwood	61	W yard	Fair	Private
136-144	Manitoba maples, 9	20-22	W yard	Fair	Private
145	Black walnut	22	W fence	Good	Neighbour
146	Manitoba maple	20	W fence	Fair	Neighbour
147	Manitoba maple	62	W fence	Fair	Neighbour
148	Manitoba maple	43	N yard	Fair	Private
149	Manitoba maple	46	N yard	Fair	Private
150	Sugar maple	72	N yard	Poor	Private
151-155	Manitoba maples, 5	28-36	N yard	Fair	Private
156	Manitoba maple	18	N yard	Fair	Private
157-159	White cedars, 3	27-30	E lane	Fair	Private
160-161	White cedars, 2	12-14	E lane	Good	Private
162	Black walnut	30	E lane	Good	Private
163	Norway spruce	61	E lane	Good	Private
164-168	White cedars, 5	22-34	E lane	Good	Private
169	Black walnut	56	E lane	Fair	Private
170	Manitoba maple	48	N yard	Fair	Private
171	Manitoba maple	21	N yard	Fair	Private
172	Manitoba maple	40	N yard	Fair	Private
173	Manitoba maple	28	N yard	Fair	Private
174	Manitoba maple	54	N yard	Fair	Private
175	Manitoba maple	45	NE field	Fair	Private
176-180	Manitoba maples, 5	20-30	N field	Fair	Private
181-194	Manitoba maples, 14	10-16	N field	Fair	Private
195-199	Manitoba maples, 5	43	N field	Fair	Private
200-201	Manitoba maples, 2	28 & 43	N field	Fair	Private
201-210	Manitoba maples, 10	16-18	N field	Fair	Private

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No.	Tree Species	DBH (cm)	Comments	CR	TC
211	White willow	99	N pond	Fair	Private
212	White willow	72	N pond	Fair	Private
213	White willow	68	N pond	Fair	Private
214-216	White willows, 3	30-52	N pond	Good	Private
217-270	Aspens, 54	15-39	N swamp	Fair	Private
271-276	Manitoba maples, 6	30-38	NW swamp	Good	Private

6. References

- 1-Council of Tree Landscape Appraisers. 2000. Guide for Plant Appraisal. 9th Edition. International Society of Arboriculture.
- 2- International Society of Arboriculture of Ontario. 1998. Ontario Supplement to Guide for Plant Appraisal 8th Edition. Ontario Chapter, International Society of Arboriculture.
- 3- Caledon. 2009. ENVIRONMENTAL ACTION REPORT 2009. Town of Caledon. TOWN HALL, 6311 Old Church Road, CALEDON, ON L7C 1J6.



KEY PLAN



LEGEND

- SITE BOUNDARY
- LOT LINES
- - - STRUCTURE ENVELOPE

NOTES

1. IMAGE SOURCE: FIRST BASE SOLUTIONS INC. (2009). IMAGE PLACEMENT IS APPROXIMATE AND NOT ORTHORECTIFIED.



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TOWN OF CALEDON

RITELAND DEVELOPMENT CORPORATION

HALL'S LAKE ESTATES
DRAFT PLAN APPLICATION (21T-98001C)
PART OF LOT 20, CONCESSION 10 (ALBION)

MAP 1
AIR PHOTO AND STREET CONCEPT