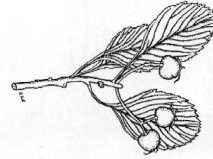


Arborist Report for 210 North Service Road

Oakville, Ontario



DAWhiteTreeCare.com

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1. Introduction

The following is an arborist report for the property at 210 North Service Road (West), in Oakville Ontario. The purpose of this report was to ascertain the potential impacts of the proposed construction of a new development on the trees on the site and on adjacent properties.

2. Methods

An on-site inspection was made on March 20, 2018. The sizes of individual trees were measured as diameter at breast height (DBH), breast height being 137 cm from ground level. The locations of these trees are indicated on the modified site plan (Fig. 1). From the data collected plant Condition Rating (CR), Location Rating (LR), Species Rating (SR), and minimum Tree Protection Zones (TPZ), were estimated.^{1,2} The Appraised Values (AV) of road allowance trees were calculated according to the Trunk Method.²

3. Discussion

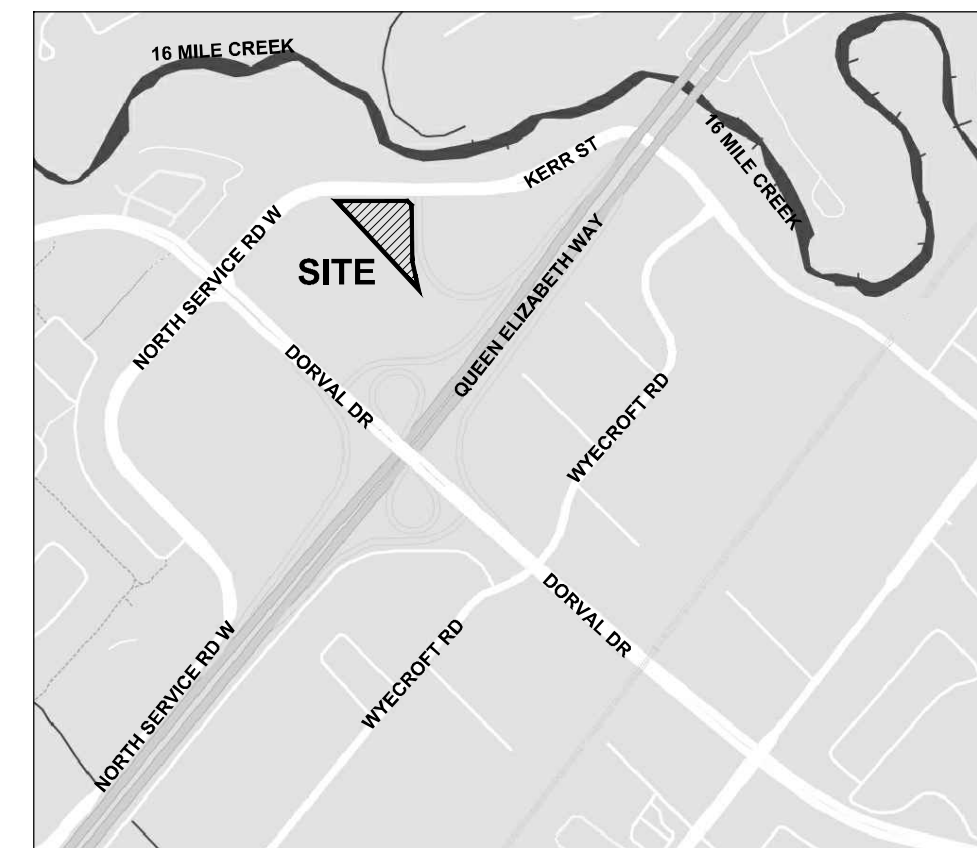
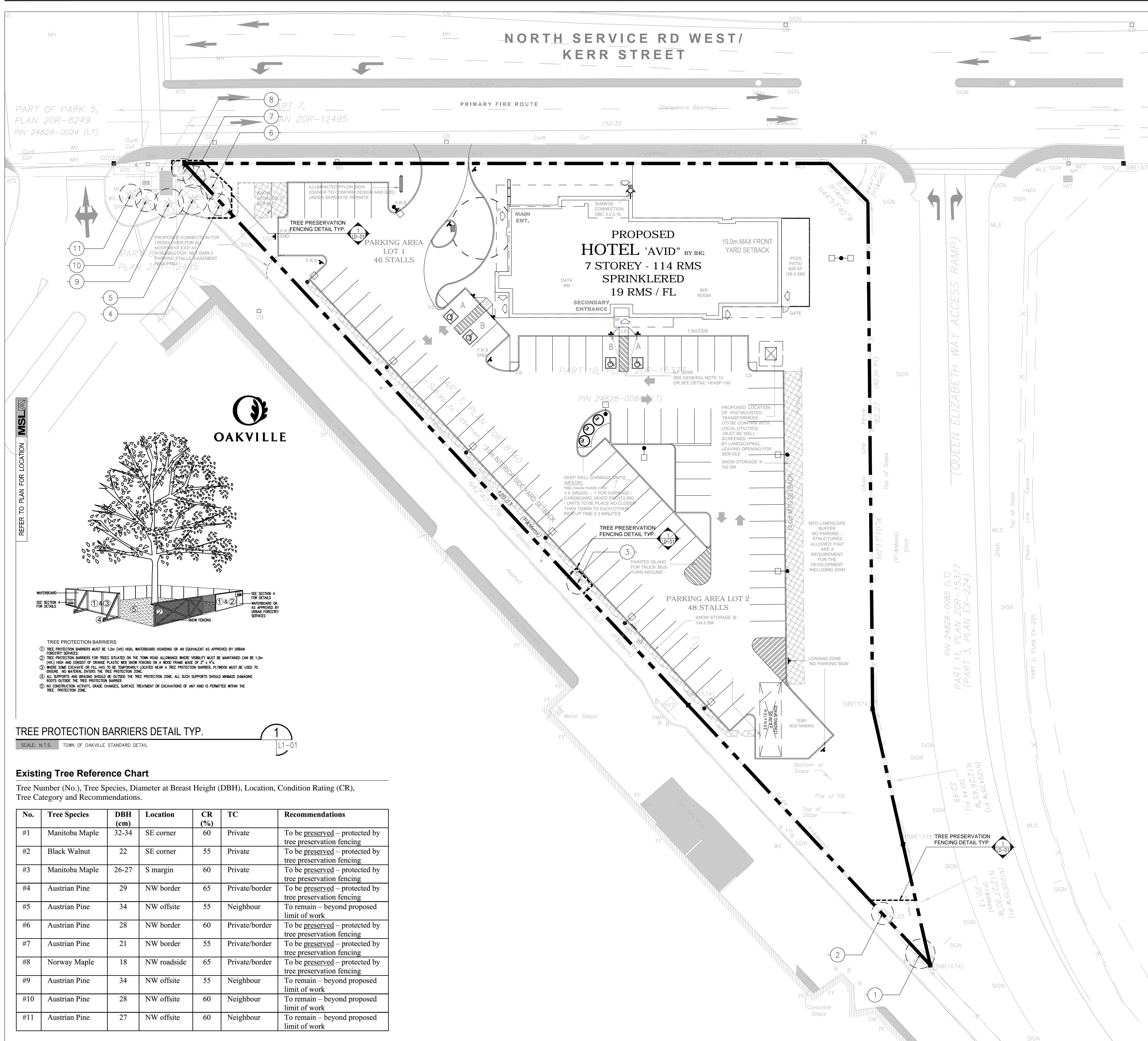
There are plans to develop the site at 210 North Service Road (West), and all existing trees should be preserved during construction (Table 1, Fig. 1).

Private Trees:

There are three (3) privately owned trees over 20 cm DBH on the subject site. All of these trees can be retained with tree protection fencing (Table 1, Fig. 1, Trees #1-3).

Boundary Trees:

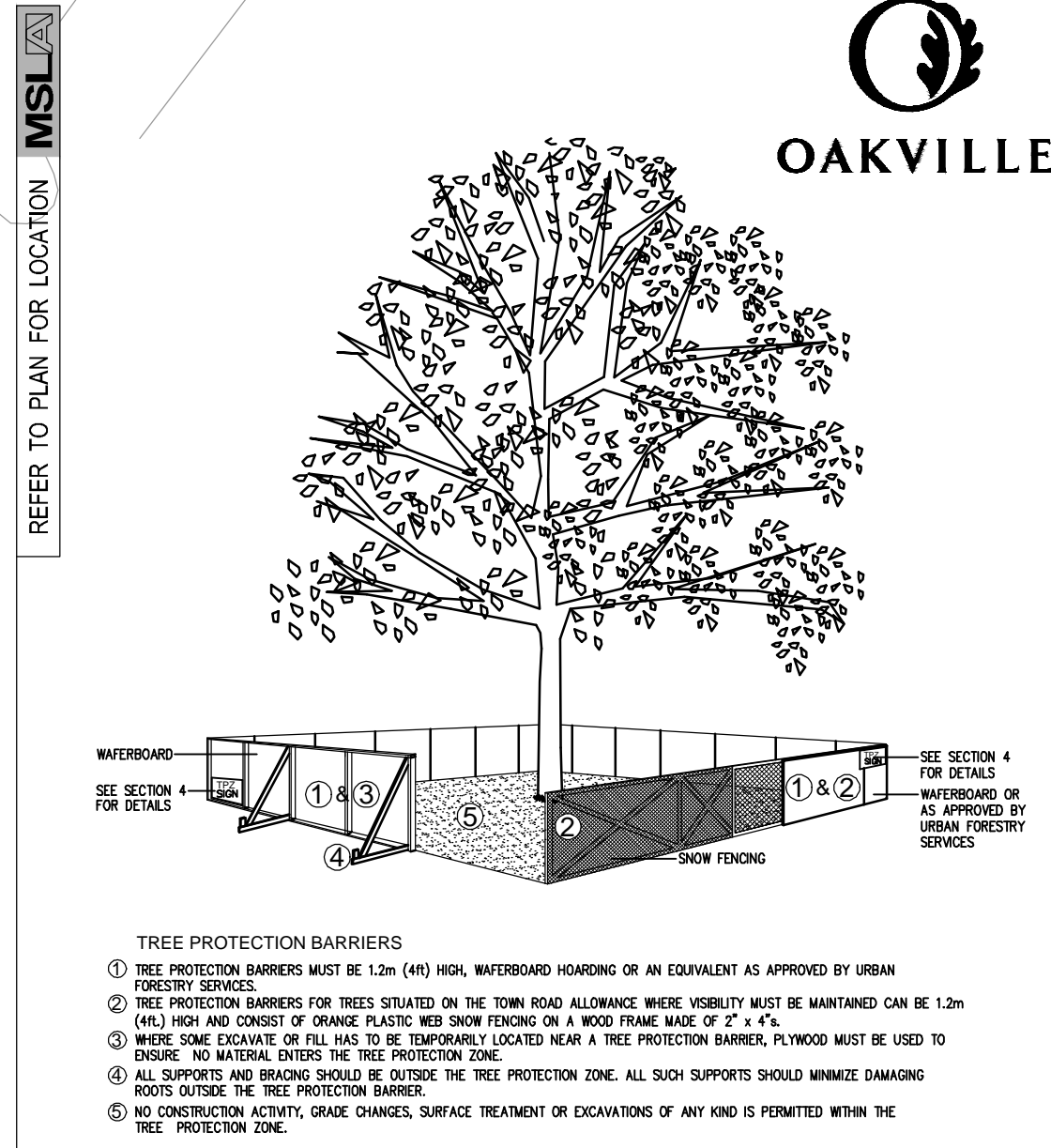
There are four (4) trees that could be considered “boundary trees” as defined by Oakville By-Law Number 2017-038 (ie. “Boundary tree” means a tree, any part of whose trunk is growing across one or more property lines). All of these trees are to be preserved with tree protection fencing (Table 1, Fig. 1, Trees #4, 6-8).



Key Map

Legend

- Tree Protection Zone
- Existing Deciduous Tree
- Existing Coniferous Tree
- Property Line
- Tree Protection Fence
- Existing Tree Reference Key
- Detail Reference Key



TREE PROTECTION BARRIERS DETAIL TYP.
SCALE: N.T.S. TOWN OF OAKVILLE STANDARD DETAIL

Existing Tree Reference Chart
Tree Number (No.), Tree Species, Diameter at Breast Height (DBH), Location, Condition Rating (CR), Tree Category and Recommendations.

No.	Tree Species	DBH (cm)	Location	CR (%)	TC	Recommendations
#1	Manitoba Maple	32-34	SE corner	60	Private	To be preserved – protected by tree preservation fencing
#2	Black Walnut	22	SE corner	55	Private	To be preserved – protected by tree preservation fencing
#3	Manitoba Maple	26-27	S margin	60	Private	To be preserved – protected by tree preservation fencing
#4	Austrian Pine	29	NW border	65	Private/border	To be preserved – protected by tree preservation fencing
#5	Austrian Pine	34	NW offsite	55	Neighbour	To remain – beyond proposed limit of work
#6	Austrian Pine	28	NW border	60	Private/border	To be preserved – protected by tree preservation fencing
#7	Austrian Pine	21	NW border	55	Private/border	To be preserved – protected by tree preservation fencing
#8	Norway Maple	18	NW roadside	65	Private/border	To be preserved – protected by tree preservation fencing
#9	Austrian Pine	34	NW offsite	55	Neighbour	To remain – beyond proposed limit of work
#10	Austrian Pine	28	NW offsite	60	Neighbour	To remain – beyond proposed limit of work
#11	Austrian Pine	27	NW offsite	60	Neighbour	To remain – beyond proposed limit of work



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Architect: **SAI SAPIUS ARCHITECTS**

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Notes:

03 Revised per Civil Plan 03/19/18
02 Revised per Site Plan 03/16/18
01 Issued for Review 01/24/18

No. Revision Date

North: Stamp:

Project: **Proposed Hospitality Development**
210 North Service Road
Oakville, Ontario

Scale: **1:300** Date: **Jan. 2018**

Drawn By: **D.R.** Checked By: **L.M.**

Drawing Title: **Tree Survey & Preservation Plan**

Project No. **18108** Sheet No. **L1-01**

All information contained in these plans shall be checked by the contractor. All dimensions shall be reported to the Landscape Architect (L.A.) before construction. All drawings have copyright and shall remain the property of the Landscape Architect. Copying or any reproduction in part or whole and/or use for construction without written consent of L.A. is prohibited. The contractor shall be responsible for obtaining all necessary permits and approvals. The contractor shall be responsible for obtaining all necessary permits and approvals. The contractor shall be responsible for obtaining all necessary permits and approvals. THESE DRAWINGS ARE NOT TO BE USED FOR CONSTRUCTION UNTIL COUNTERSIGNED BY L.A. ARCHITECT. • SIGNED DATE

Neighbours' Trees:

All of the trees on neighbouring properties would be retained. The trees are more than their TPZ radii from the worksite (Table 1, Fig. 1, Trees # 5, 9-11).



Photograph #1: Southern private trees #1 and #2.



Photograph #2: Private tree #3.



Photograph #3: Northwest Border and Neighbour trees #4-11.

3.2 Tree Protection:

It is necessary to protect all trees designated for preservation during both demolition and construction. This tree protection can be accomplished by protecting the said trees with *tree protection barriers*. The minimum tree protection zone (TPZ) radius is based on the diameter of the tree ($TPZ \approx 0.06m/cm \times DBH_{cm}$). Tree barriers for road allowance areas would be composed of a 1.2 metres (4 ft) high orange plastic web snow fencing secured on 2"x4" wood frames. Usually, large development sites are to be enclosed in 2.4 metres (8 ft) high construction fences.^{3,4}

Construction fences would enclose the development site. The barriers would be installed near the setback lines.

3.3 Replacement Trees:

A landscape plan has been developed for the 210 North Service Road property (refer to L2-01 Landscape Plan by MSLA).

All new trees planted on the site would be of large calliper nursery grown stock. The trees would be transplanted as according to municipal codes and bylaws.^{4,5}

- (1) Minimum 50 mm calliper (2-inch wide stem) for deciduous trees
- (2) Minimum 1.75-2.5 m height for coniferous trees

Trees would best be transplanted during the spring or autumn. Mid-summer transplanting should be avoided. These trees are to be maintained in good condition. Supplemental watering may be required during the drier periods of the year, especially during the first two or three years after their transplantation.^{4,5}

4. Conclusions

In order to allow for the proposed development at 210 North Service Road no road allowance trees or privately owned trees over 20 cm DBH would be removed.

<u>Tree Category</u>	<u>Remove</u>
Road Allowance:	0 trees
Private Onsite Trees:	0 trees

All of the trees to be retained would be protected by tree preservation and construction fencing during the demolition and construction work on the site.

Marton + Smith Landscape Architects is developing a landscape plan for the 210 North Service Road development site.

D. Andrew White M. Sc.



March 20, 2018

5. Tree Data

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

No.	Tree Species	DBH (cm)	Location	CR (%)	TC	Recommendations
#1	Manitoba Maple	32-34	SE corner	60	Private	To be <u>preserved</u> – protected by tree preservation fencing
#2	Black Walnut	22	SE corner	55	Private	To be <u>preserved</u> – protected by tree preservation fencing
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6. Arborist Plans

These plans are to be read in conjunction with the Tree Preservation Plan prepared by MSLA Landscape Architects (L1-01 Tree Preservation Plan)

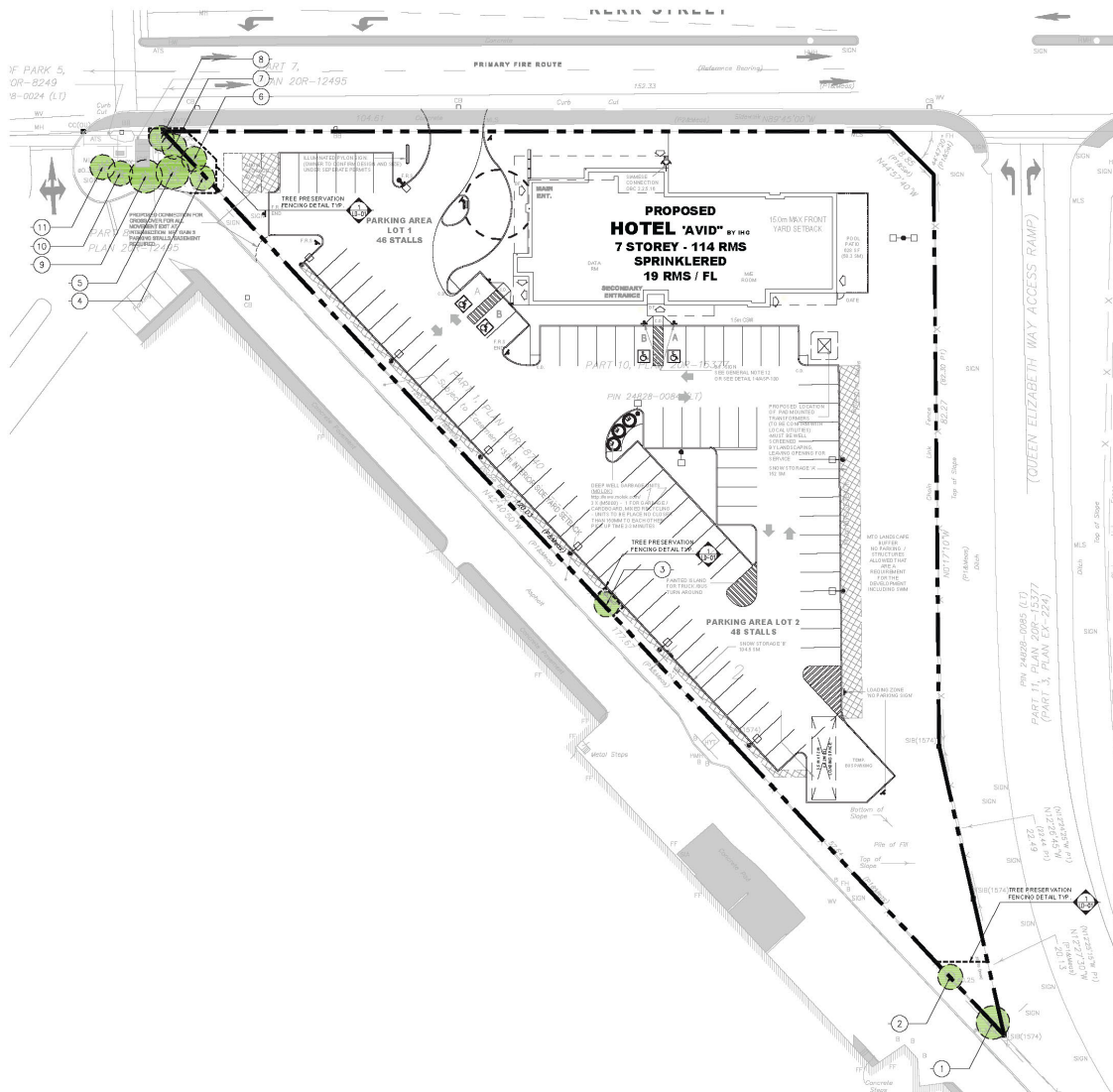


Figure #1: Tree locations on the 210 North Service Road development site

7. 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- Town of Oakville. 2017. Tree Protection By-law Number 2017-038. Town of Oakville, Forestry Section.

4- Halton Ontario. 2011. Halton Tree By-law 121-05 (<http://www.halton.ca>). The Regional Municipality of Halton.

8. Construction Details

Tree Protection Barriers

① Tree protection barriers must be 1.2m (4ft) high, waferboard hoarding or an equivalent approved by Urban Forestry Services.

② Tree protection barriers for trees situated on the Town 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 .

③ 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.

④ All supports and bracing should be outside the Tree Protection Zone. All such supports should minimize damaging roots outside the Tree Protection Barrier.

⑤ No construction activity, grade changes, surface treatment or excavations of any kind is permitted within the Tree Protection Zone.

Name: Tree Protection Barriers

Date: _____

Scale: _____

File No: _____

Town of Oakville
Parks and Recreation
Department

Drawn By:
Planning Services
Department
Drafting and Design Office

OAKVILLE

North