

Tree Inventory & Protection Plan

Prepared for: Byron Equities

1 Rosetta Street. Georgetown, ON. L7G 3P1

Prepared By:

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1.0 Introduction

1.1 Purpose of Assignment

The Urban Arborist Inc was retained by Byron Equities to prepare a Tree Inventory / Protection Plan for a condominium development complex with 3 buildings. The entire site would be developed and impacted.



Figure 1. 1 Rosetta Street, Georgetown, ON L7G 3P1

1.2 Existing Site Characteristics

The site is a multi-unit industrial property containing two residential single detached dwellings. The site is almost entirely developed for industrial use. There are no major grade changes. The site is surrounded by St. Michaels St, Caroline St, and Rosetta St.

2.0 Methodology

All data used in this report is empirical in nature, unless stated otherwise. All measurements in this report utilize the metric system of measurement.

2.1 Field Study

Site inspection and data collection was completed on February 1, 2021 to tag and inventory all existing trees 10cm in diameter measured at breast height (1.4m) and greater located on the subject lands. All trees have been tagged, inventoried and assessed.

2.2 Tree Locations

All significant trees are shown in appendix 2 Tree Inventory, Protection Replanting Plan drawing TP-1.

2.3 *Tree Conditions*

During field study a generalized assessment system was used to give each significant tree a rating based on structural condition and health condition.

The following 5 level assessment for health is listed below.

- Very Poor - Tree displays severe dieback of branches, canopy is extremely sparse. May exhibit extreme pathogen infestation or infection. Or tree is dead.
- Poor - Tree displays some dieback. Branches or canopy is sparse with little or no signs of new growth or vigour. Possible pathogen infestation or infection. Foliar canopy is sparse.
- Average - Tree is developing in a manner typical to others in the area. Canopy is full.
- Good - New growth is vigorous as evidenced by stem elongation and colour. Canopy is dense.
- Very Good - In addition to the attributes of a good rating, tree is displaying extremely vigorous growth and trunk displays a pattern of vigour cracks or lines.

The following 5 level assessment for structural condition was as follows:

- Very Poor - Trunk has large pockets of decay, is bifurcated or has a severe lean. Limbs or branches are poorly attached or dead. Possible hazard.
- Poor - Limbs or branches are poorly attached or developed. Canopy is not symmetrical. Trunk has a lean.
- Average - Trunk, limb and branch development though flawed is typical of this species.
- Good - Trunk is well developed with well attached limbs and branches; some flaws but are hardly visible.
- Very Good - In addition to attributes of a good rating, the tree exhibits a well developed root flare and a balanced canopy.

Factors Assessed were as follows:

Roots	Trunk	Foliage/Buds	Scaffold Branches	Small Branches/Twigs
<ul style="list-style-type: none"> · Collar/flare · Mechanical injury · Girdling roots · Insects/disease · Decay/fungi 	<ul style="list-style-type: none"> · Cavities · Mechanical injury · Cracks · Swollen/sunken areas · Insects/disease · Fungi 	<ul style="list-style-type: none"> · Size of foliage/buds · Foliage colour · Foliage injury · Dieback of buds/foilage · Insects/disease 	<ul style="list-style-type: none"> · Attachments/included bark · Taper · Distribution · Decay/cavities · Deadwood · Insects/disease 	<ul style="list-style-type: none"> · Vigour/growth rates · Distribution · Appearance · Insects/disease · Dieback

3.0 Tree Inventory

A total of 10 trees were inventoried.

**See Appendix 1 for full Tree Inventory.*

3.1 Trees to Preserve

The trees in this section have been evaluated suitable for preservation and fall under the Tree Preservation, Protection and Management guidelines in this report. Different approaches of Tree Preservation can be carried out following tree health and structure evaluation. The following describes the differences in approaches to Tree Preservation.

1. Preserve, Protect & Maintain

Includes protection with tree preservation hoarding, as well as pre and post-construction arboricultural works.

2. Preserve & Protect

Includes the installation of tree protection hoarding; no maintenance will be required unless specified in the recommendations in Appendix 1

3. Retain

No protection or maintenance measures are required. Installation of tree protection barriers is optional.

# of Trees evaluated as suitable for Preservation	0
# of Trees to use Method 1	n/a
# of Trees to use Method 2	n/a
# of Trees to use Method 3	n/a

In the case of 1 Rosetta Street, 0 trees can be preserved on site. See Tree Inventory Protection Plan Drawing TP-1 in appendix 2 for details.

3.2 *Trees to Remove*

All trees on the subject lands are to be removed due to them all being within the development footprint.

Total of number of protected trees to be removed	10 (All)
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3.3 *Trees to Injure*

There are no trees to be injured.

3.4 *Trees to Replant*

There is no tree replanting requirement as there are no heritage trees, no natural areas and no native vegetation.

4.0 ***Tree Preservation, Protection and Management***

All trees on the subject lands are proposed to be removed and therefore no trees are to be preserved, protected or maintained.

5.0 Conclusions and Recommendations

Based on all data collected from on-site field work and review of all site plans the following conclusions and recommendations are made and correspond with Tree Inventory in Appendix 1:

Manitoba Maples, Black Locusts, and Norway Maples are considered to be invasive in Ontario and as such 60% of the site is composed of invasive species. The majority of the quality in trees is poor.

Conclusions	Recommendations
10 trees are required to be removed.	Submit this document with Site Plan Application
A total of 0 replacement trees are to be replanted on site.	No action required.

Attachments are as follows:

- Appendix 1 Tree Inventory
- Appendix 2 Tree Inventory Protection Plan Drawing TP-1
- Appendix 3 Photographs

This 6 page Report was written by

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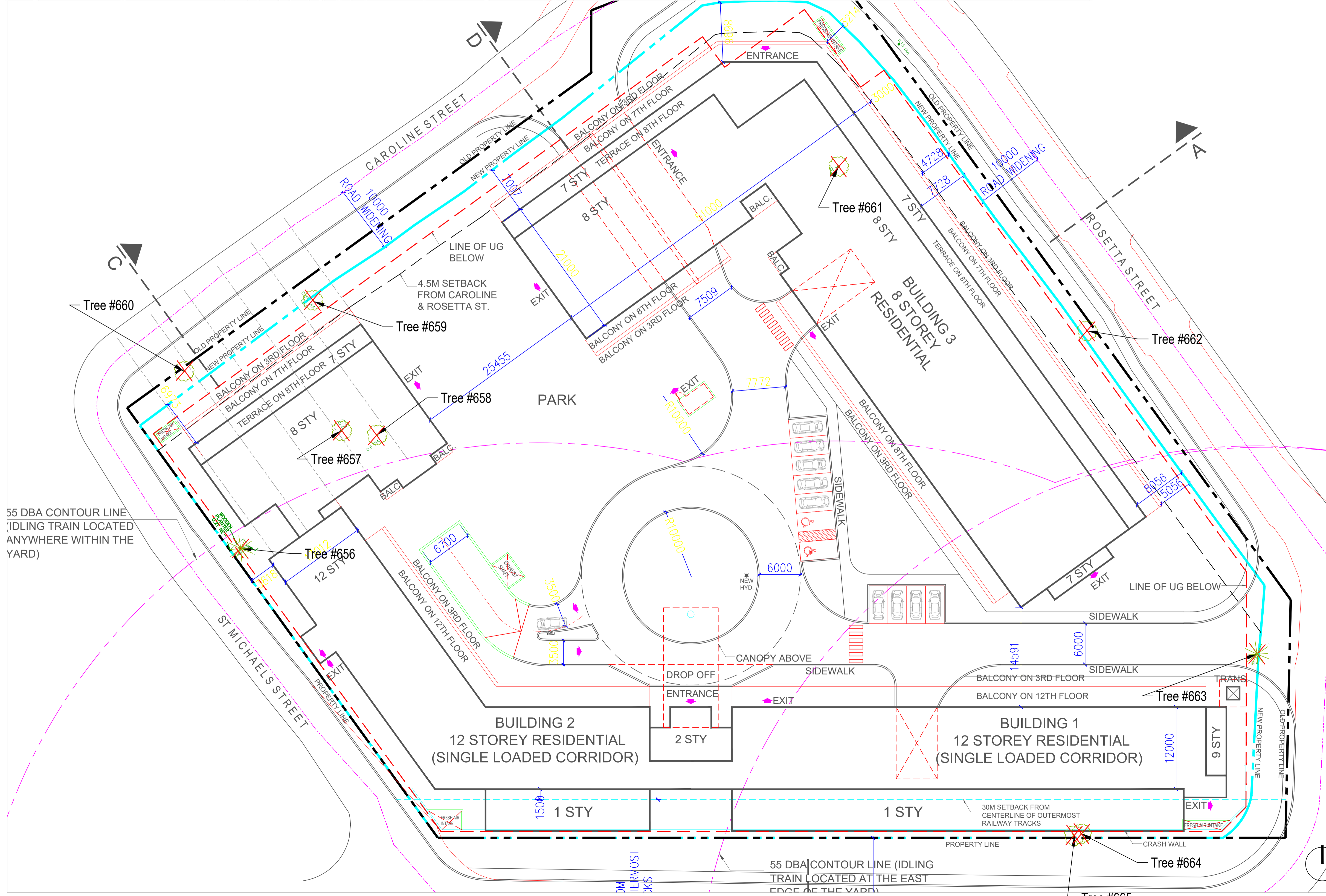


Tree Inventory – 1 Rosetta Street, Georgetown, ON L7G 3P1 February 1, 2021.

Tag #	Common Name	Botanical Name	Diameter at Breast Height (cm)								Crown Radius (m)	Health Condition	Structural Condition	Notes	Recommendations Based on Site Plan	Minimum TPZ (m)	Proposed TPZ (m)	Replacement Ratio
656	Colorado Spruce	Picea pungens	32									2.5	Average	Average		2.4	-	-
657	Sweet Cherry	Prunus avium	28									3.5	Average	Average	Co-dominant	1.8	-	-
658	Manitoba Maple	Acer negundo	22	x	20	x	15	x	20			4	Poor	Poor	Grown from stump of previously failed tree	1.8	-	-
659	Black Locust	Robinia pseudoacacia	68	x	40							5	Average/Poor	Average/Poor	Co-dominant, some breakage and some deadwood	4.2	-	-
660	Norway Maple	Acer platanoides	54									5	Average	Average		3.6	-	-
661	Manitoba Maple	Acer negundo	28	x	16	x	14					3	Average	Poor	Leaning heavy north, growing out of side of building	1.8	-	-
662	Norway Maple	Acer platanoides	10	x	9							1	Poor	Poor	Been hit over by a car, leaning heavy	1.2	-	-
663	Colorado Spruce	Picea pungens	43									2	Average	Average		3	-	-
664	Manitoba Maple	Acer negundo	11	x	11	x	11	x	11	x	11	3	Average	Average	Multi-stem	1.8	-	-
665	White Mulberry	Morus alba	17									2	Average	Average		1.8	-	-

Tree Inventory – 1 Rosetta Street, Georgetown, ON L7G 3P1 February 1, 2021.

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General Notes

- EXISTING DECIDUOUS TREE
- EXISTING CONIFEROUS TREE
- TREE TO REMOVE
- MINIMUM TREE PROTECTION ZONE
- TREE PROTECTION BARRIER
- TREE TO PLANT

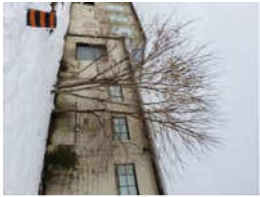
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No.	Revision/Issue	Date

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 L7G 3P1

Project	Sheet
Tree Inventory Protection Plan	TP-1
Date	11.03.2021
Scale	1:300



Tree 664 - 665



Tree 656



Tree 657 - 658



Tree 659 - 660



Tree 659 (2)



Tree 659



Tree 660



Tree 661



Tree 662



Tree 663









