

P & A Urban Forestry Consulting Ltd.

Specializing in Tree Assessment

40 Brillinger Street, Richmond Hill, Ontario, L4C 8Y4 Cell 416 399-4490

Email: peter@paurbanforestryconsulting.com Web: paurbanforestryconsulting.com

Report #0899b

Arborist Report for Construction of One Storey Building, Parking Lot and Loading area

Prepared For:

Joseph N. Campitelli Architects Inc.

**on Behalf of
Environmental 360 Solutions**

**571 Welham Road
Barrie, Ontario
M4R 1G8**

Revision #2

October 17, 2020

May 26, 2020

March 5, 2020

Prepared By: Peter Wynnyczuk

Hazard Risk Assessor CTRA # 727, ISA

Utility Arborist #400113535 under MTCU

Butternut Health Assessor #591

ISA Certified Arborist ON-2067-A

P & A Urban Forestry Consulting Ltd.

Specializing in Tree Assessment

40 Brillinger Street, Richmond Hill, Ontario, L4C 8Y4 Cell 416 399-4490

Email: peter@paurbanforestryconsulting.com Web: paurbanforestryconsulting.com

Report #0899b

Table of Contents

Cover Page	1
Table of Contents	2
Introduction and Tree Assessment Criteria, Inventory, Bylaws.....	3-5
City of Barrie Tree Protection Criteria and Recommendations	5-8
Trees on Property Overview and Pictures	8-14
571 Welham Road Tree Inventory/Action Table Rev. #2 Appendix "A"	15-17
(Separate Excel PDF)	
571 Welham Road Tree Protection and Removal Plan, Rev. #2 Appendix "B"	18
(Separate PDF Plan mark up)	

P & A Urban Forestry Consulting Ltd.

Specializing in Tree Assessment

40 Brillinger Street, Richmond Hill, Ontario, L4C 8Y4 Cell 416 399-4490

Email: peter@paurbanforestryconsulting.com Web: paurbanforestryconsulting.com

Report #0899b

Introduction

P & A Urban Forestry Consulting Ltd. was contacted by Ms. Radelina Doytchinov of Joseph N. Campitelli Architects Inc., to identify, assess condition of the subject to construction influence of trees at/near 371 Welham Road on behalf of the Owner. It was also made clear a portion of the site is to be dedicated to the public domain on the south part of the site. This revision is based on additional site changes.

This Report is based on the information provided by;

- 1) Site Plan for 571 Welham Road Crumb Facility, by Joseph N. Campitelli Architects Inc., Project 270.19D, Rev. # 7 dated Oct. 14, 2020

If other relevant information becomes available or there are revisions, it may be necessary to review and update the Arborist Report accordingly.

Tree Information Collection Process and Review

A site inspection was carried out on January 27, 2020, by ground visual means to assess the trees, in winter condition, to the proposed work on the site. As the trees are to be transferred in ownership, no physical tagging occurred. Details on the trees are provided on the 571 Welham Road Tree inventory/Action Table Appendix "A", Rev. #2, separate excel table which is to be read in conjunction with 571 Welham Road Tree Protection and Removal Plan, Appendix "B", Rev. #2, dated Oct. 17, 2020.

City Trees

There are no City trees affected by this

On Site Trees

Tableland: The trees on the table land area are in two groups, one of a Black Locust grouping that is within the proposed foot print of the building and the second is on the east side of the site of Black Willows that appear to have been established on/near disturbed soils. Trees below the west top of slope do not appear to be affected and will be retained and protected. These would be determined to be Level 2 Protection, however some of the trees are in conflict with driveway and rear access as well as placement in side the building envelope. Trees beyond this are to be protected as presented on the Tree Preservation and Removal Plan Appendix "A".

Trees in 6m Setback and Below Top of Bank: Trees as noted on the Plan below the Top of Bank, are to be retained and it is the report writers understanding that these lands will be dedicated to public ownership. Therefore, as no direct Planning Act activity applies to this part of the property, a delineating tree inventory has been created to show the location of the trees adjacent to the proposed development and construction activity. As there is no development proposed within 6m of the top of bank, no trees in the dedicated portion are affected. These trees are considered Level 3 protection as no work is proposed.

P & A Urban Forestry Consulting Ltd.

Specializing in Tree Assessment

40 Brillinger Street, Richmond Hill, Ontario, L4C 8Y4 Cell 416 399-4490

Email: peter@paurbanforestryconsulting.com Web: paurbanforestryconsulting.com

Report #0899b

Off site trees

There are no offsite trees affected

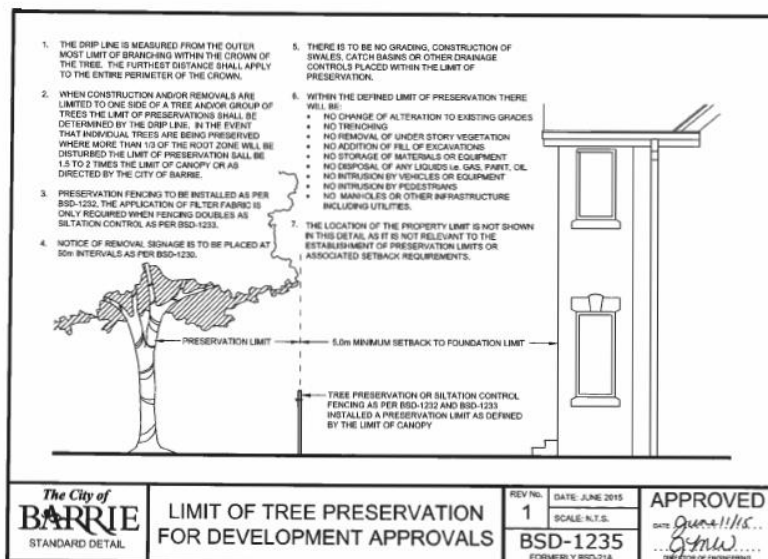
Tree Protection Bylaw

This Arborist Report/Tree Preservation Plan was prepared to address tree saving requirements of the City of Barrie Tree By-Law 2014- 115 and the Tree Protection Manual version 4, dated Jan. 2019.

The information below is also presented in the 571 Welham Road Tree Protection and Removal Plan, Rev. #2 Oct. 17, 2020, Appendix "B".

- 1) **Tree Protections Zone, TPZ**, to be potentially mirrored by Siltation control fencing to meet the Engineering Requirements of the City, LSRCA, and tree protection requirements if satisfactory to all 3 parties. The approach of siltation fencing installation along the 6m setback from top of bank will address the tree protection issues on the south side and as noted on the East side as presented on the 571 Welham Road Tree Protection and Removal Plan, Rev. #2, Oct. 17, 2020, Appendix "B".
- 2) Trees to be removed within the building siting and at the East end of the site as noted in the Tree Inventory /Action Table and Appendix "B". Any planting for this as potential compensation will be presented in the Landscape Plan prepared by others, to meet the planning requirements of the City.

Tree Protection Distances



P & A Urban Forestry Consulting Ltd.

Specializing in Tree Assessment

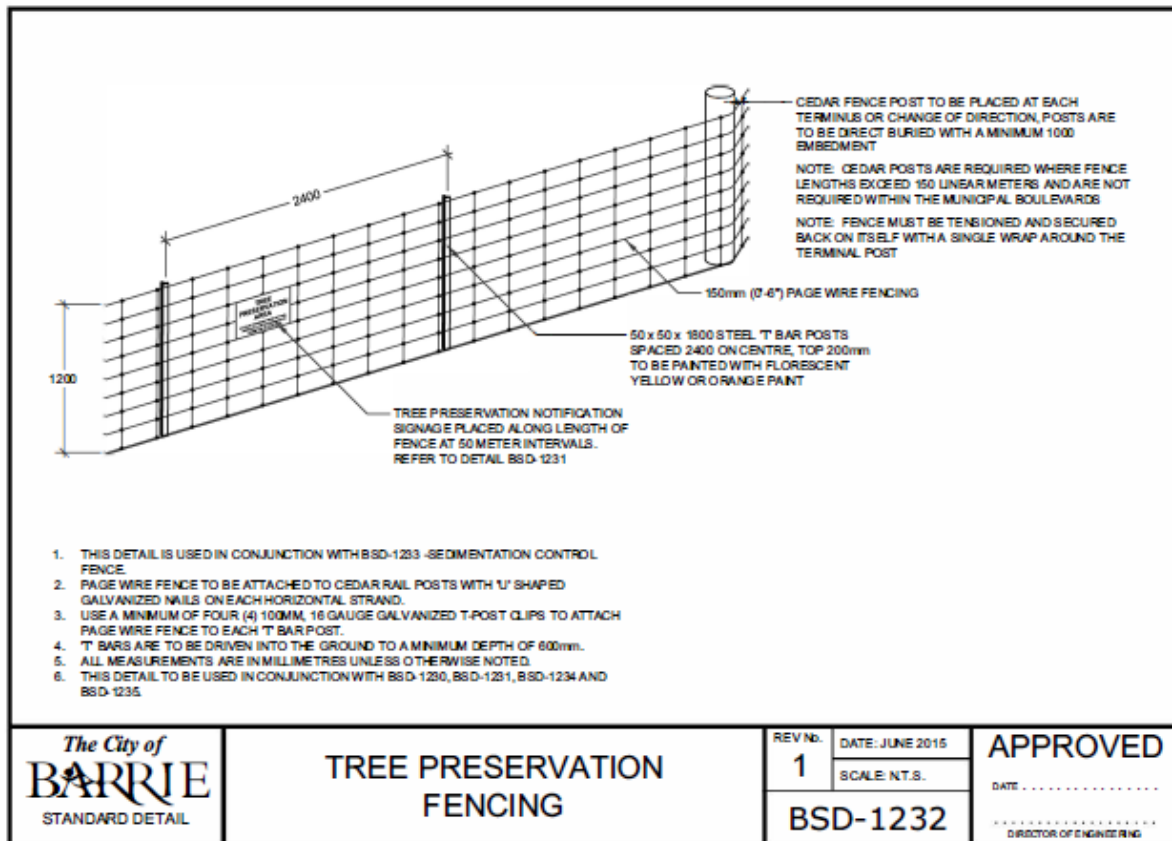
40 Brillinger Street, Richmond Hill, Ontario, L4C 8Y4 Cell 416 399-4490

Email: peter@paurbanforestryconsulting.com Web: paurbanforestryconsulting.com

Report #0899b

Tree Protection Measures

Below are the specifications and actions that would be applied when the proposed permit application is approved, or as directed by the City staff beforehand. This may be used in conjunction with siltation control.



Vertical Tree Protection Zones are the minimum required distances where tree protection is to be put in place so that no construction activity of any kind will take place inside the Tree Protection Zone.

P & A Urban Forestry Consulting Ltd.

Specializing in Tree Assessment

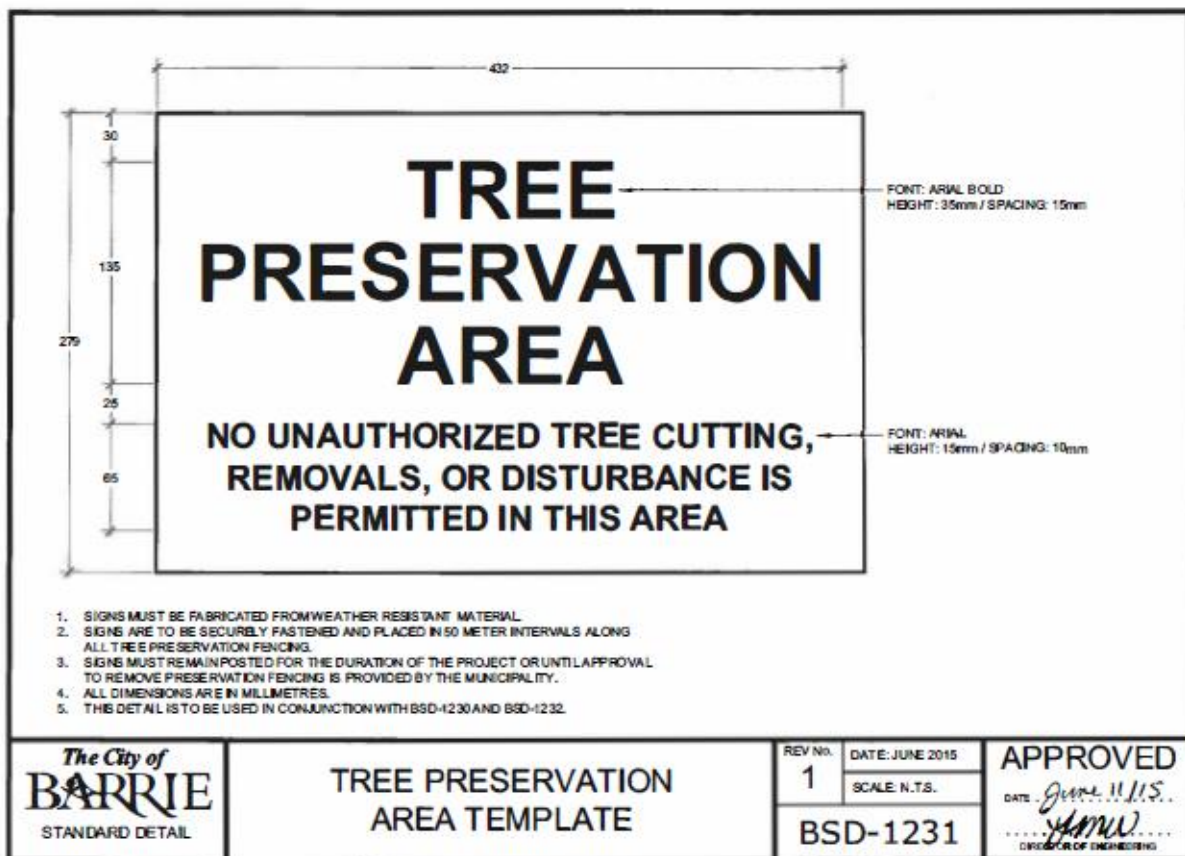
40 Brillinger Street, Richmond Hill, Ontario, L4C 8Y4 Cell 416 399-4490

Email: peter@paurbanforestryconsulting.com Web: paurbanforestryconsulting.com

Report #0899b

Tree Protection Signage

A sign that is similar to the illustration below may be required to be mounted on all sides of a Tree Protection Barrier for trees protected by the Trees on City Streets By-law and the Private Tree By-law. The sign should be a minimum of 40cm x 60cm and made of white gator board or equivalent material.



Compensation Planting

Any planting proposed will be provided through the Landscape Plan provided by others as part of this application submission.

P & A Urban Forestry Consulting Ltd.

Specializing in Tree Assessment

40 Brillinger Street, Richmond Hill, Ontario, L4C 8Y4 Cell 416 399-4490

Email: peter@paurbanforestryconsulting.com Web: paurbanforestryconsulting.com

Report #0899b

Pre, During, and Post Construction Arboriculture Supervision, if required

Preconstruction

- 1) Pre-construction meeting with the Owner and General Contractor to mark out the Tree Protection Zone, TPZ areas and set the parameters for the various contractors who will be on site.
- 2) Installation of Tree Protection Barriers, as noted on page 4, and 5, prior to any site activity as per City Specifications and 571 Welham Road Tree Protection, Removal Plan, Rev. #2, Oct. 17, 2020, Appendix "B". the "Tree Protection" Notice to be placed every 50m along the tree protection barrier.
- 3) Seven (7) days prior to removals, the site to be signed with a "Notice of Tree Removals" posting. Removals to be carried out after permitted by the City and no trees to remain shall be damaged during removals.
- 4) Verification by the Arborist of TPZ installation with notification, if required to the City by email.

During Construction

- 1) Monthly onsite inspection, if required, to verify integrity of TPZ and identification of any issues related to the tree during the construction to completion. Document findings and advise client of any action needed as required to retain tree noted.
- 2) Site inspection as required by the City or the Client to address tree issues and make recommendations as issues arise.
- 3) Inspection prior to final grading of site to verify City tree condition and authorize removal of TPZ structures. Report any issues if needed for Client follow-up.

Post construction

- 1) Inspection of retained trees to note any additional work such as pruning, aeration, deep root fertilizing or other recommended work, with permission of the City.

The information and recommendations noted in this report are based on the information provided at the time the report was written. Any updates or changes in design, require the review of the preliminary Arborist report in relation to the changes presented. There may be revisions to this report to address the site changes, as it relates to the trees identified.

The sketch and pictures noted below are to provide overview of the trees on site and are to be read in conjunction with the 571 Welham Road Tree Protection and Removal Plan Rev. #2, Appendix "B" for identification/location clarification.

Arboricultural Work:

Any work related to the existing trees must be carried out by a Qualified Arborist or other Tree Professional as approved by the City/Owner(s). All tree work must be in accordance with good arboricultural standards/practices.

Report Conditions and Limitations: This report is for the use of the Client and shall not be copied or reproduced either in its entirety or parts thereof, without the consent of P & A Urban Forestry Consulting Ltd.

P & A Urban Forestry Consulting Ltd.

Specializing in Tree Assessment

40 Brillinger Street, Richmond Hill, Ontario, L4C 8Y4 Cell 416 399-4490

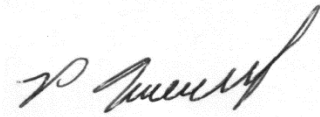
Email: peter@paurbanforestryconsulting.com Web: paurbanforestryconsulting.com

Report #0899b

There may be additional charges beyond the scope of work presented, depending on the modifications required to keep the report current, any additional meeting time, or other services for the resolution of the issues related to the planted material.

This report is based on information presented, by ground visual assessment and does not represent to be a definitive analysis and evaluation of the trees, shrubs and grasses planted, partly due to no previous history of the site or knowledge of the changes that have occurred to the site prior to February 2020.

Prepared By;



Peter Wynnyczuk

Hazard Tree Risk Assessor CTRA # 727, ISA
Butternut Health Assessor #591

Utility Arborist #400113535 under MTCU
ISA Certified Arborist ON 2067-A



Picture 1. From

North, Inventory started on right with White Cedar, Tree #1, #2 and 3, to left of #1, #4 Walnut centred foreground, #5 to #12 to left. Cedars in background well outside any proposed work.

P & A Urban Forestry Consulting Ltd.

Specializing in Tree Assessment

40 Brillinger Street, Richmond Hill, Ontario, L4C 8Y4 Cell 416 399-4490

Email: peter@paurbanforestryconsulting.com Web: paurbanforestryconsulting.com

Report #0899b



Picture 2. From North East

showing Black Walnut #4 on right and across to #18 on left. All to be retained.



Picture 3. From North showing

Poplar grouping which includes #13 to #19, all to be retained.

P & A Urban Forestry Consulting Ltd.

Specializing in Tree Assessment

40 Brillinger Street, Richmond Hill, Ontario, L4C 8Y4 Cell 416 399-4490

Email: peter@paurbanforestryconsulting.com Web: paurbanforestryconsulting.com

Report #0899b



Picture 4. From North West

showing Poplar grouping and Pines, #20 and 21 on left. All to be retained.



Picture 5. From North West

showing Pine trees #20 and 21 on right, Ash #23, foreground, Ash #22 in background, all in protected area.

P & A Urban Forestry Consulting Ltd.

Specializing in Tree Assessment

40 Brillinger Street, Richmond Hill, Ontario, L4C 8Y4 Cell 416 399-4490

Email: peter@paurbanforestryconsulting.com Web: paurbanforestryconsulting.com

Report #0899b



Picture 6. From North West, Ash #22 on right, Pine #24 left of Ash, + 26 in area. Cedar #28 in background, all to be retained.



Picture 7. From West, undersized trees to be retained.

P & A Urban Forestry Consulting Ltd.

Specializing in Tree Assessment

40 Brillinger Street, Richmond Hill, Ontario, L4C 8Y4 Cell 416 399-4490

Email: peter@paurbanforestryconsulting.com Web: paurbanforestryconsulting.com

Report #0899b



Picture 8. From North West additional undersized trees for retention.



Picture 9. From South at East end of site. Tree #30 on right, #31 to left of #30 and Tree grouping with #32 to #34 on left, all to be removed in construction zone of influence.

P & A Urban Forestry Consulting Ltd.

Specializing in Tree Assessment

40 Brillinger Street, Richmond Hill, Ontario, L4C 8Y4 Cell 416 399-4490

Email: peter@paurbanforestryconsulting.com Web: paurbanforestryconsulting.com

Report #0899b



Picture 10. From North showing Trees #32 to #34 on right, all to be removed. Trees on left of berm to be retained and protected.



Picture 11. From West, Tree #39 in foreground and #89 (offsite) in background. To be retained.

P & A Urban Forestry Consulting Ltd.

Specializing in Tree Assessment

40 Brillinger Street, Richmond Hill, Ontario, L4C 8Y4 Cell 416 399-4490

Email: peter@paurbanforestryconsulting.com Web: paurbanforestryconsulting.com

Report #0899b



Picture 12. Tree #40, inside proposed building, to be removed.

Page 15 - 17. 571 Welham Road Tree Inventory/Action Table Appendix "A", Rev. #2 Oct. 17, 2020.

Excel Table in PDF

Page 18. 571 Welham Road Tree Protection and Removal Plan Appendix "B", Rev. #2 Oct. 17, 2020.

(Plan), separate PDF