



ATTACHMENT

DATE: March 18th, 2022

TO: Mr. Manjit Banwait, 2507517 Ontario Inc.

FROM: Norman Blais, OALA, ISA ON-1175A

SUBJECT: Proposed Mixed-Use Development for 642 Dunlop Street West

PURPOSE: For City of Barrie as Attachment of Tree Inventory/Preservation Plan.

ARBORIST REPORT

JDB Associates Ltd. was retained to complete an Arborist Report and Tree Inventory/Preservation Plan for a proposed development located at 642 Dunlop Street West, City of Barrie.

In February 2022, the trees on the subject site were evaluated to determine their opportunity for preservation as per the City of Barrie requirements.

Notwithstanding the recommendations and conclusions made in this report, it must be realized that trees are living organisms and their health and vigor constantly change over time. They are not immune to changes in site conditions or seasonal variations in the weather.

Scope of Work

This report provides a general assessment of:

- Vegetation inventory specifying the forest cover and composition
- 31 trees located on the subject property not part of the greater vegetation community

Summary

- The northern part of the site is covered by a red maple deciduous forest stand with canopy coverage of 90%; the dominant species are the red maple (60%) mixed with silver maple (15%) and Manitoba maple (25%). The vegetation community was assessed only in the area adjacent to the subject property. The species composition may not reflect the greater community as a whole. Most of this forest stand is proposed to be preserved except for the area of the stormwater basin outflow; this area may result in the removal of a few trees. Further assessment would be required once final layout is confirmed.
- The majority of the property has been developed with the inclusion of planted trees species (spruce, pine) and some invasive (Manitoba maple). Most of the trees are mature, with a



DBH of >25cm, in varying health conditions. All of these trees are proposed to be removed due to their proximity to the development.

- There is one boundary tree #8 on the property line which is proposed to be removed. This tree is an invasive species (Manitoba maple) in poor condition. A letter of consent is required from the adjacent neighbor for the removal of this boundary tree as per COB requirements.

Methodology

- The trees were assessed with guidelines established by the City of Barrie. The health assessments were performed without excavation or internal examination such as coring or drilling.
- The following information was obtained for the inventoried trees in the test area:
 - tree species;
 - size range diameter at breast height (DBH);
 - average canopy height;
 - average canopy diameter;
 - overall general tree condition (structure and vigor):
 1. good – dead branches less than 10%; signs of good compartmentalization of any wounds, no structural defects;
 2. fair – 10-30% dead branches, minor wounds of some concern, minor structural defects;
 3. poor – more than 30% dead branches, weak compartmentalization, major structural defects;
- A professional surveyor digitally located the majority of the trees on site, including the dripline of the red maple deciduous community. The remaining trees that were not identified by the surveyor were located using triangulation methods.

Details of Findings

- A summary of the vegetation and tree data is provided in the attached Tree Inventory Plan (TP-1).
- The Tree inventory / preservation plan has been completed based on the proposed site plan provided by the architect and coordinated with the engineer's proposed grading plan.

Limits

Unless expressed otherwise information contained in this report covers only those items that were examined and reflects the condition of those items at the time of inspection, and the



inspection is limited to visual examination of accessible items without further dissection, excavation, probing, or coring.

Loss or alteration of any part of a report invalidates the entire report.

There is no warranty or guarantee expressed or implied that problems or deficiencies of the trees in question may not arise in the future.

The report and conclusions expressed herein represent the opinion of *JDB Associates Ltd.* Our fee is no way contingent upon any specified value, a result or occurrence of a subsequent event, or upon any finding to be reported.

Norman Blais

Landscape Architect, Certified Arborist

OALA, ISA ON-1175A