

TREE CONSERVATION PLAN / REPORT
FOR PROPOSED 1412 STITTSVILLE MAIN STREET DEVELOPMENT

INTRODUCTION

In support of Site Plan Approval, and in accordance with the City of Ottawa's Tree Protection By-Law (No.2020-340), this Tree Conservation Report (TCR) identifies trees to be retained and protected under future development scenarios and, where feasible, recognizes opportunities to offset the loss of trees that cannot be retained or contribute to the City's forest cover targets.

EXISTING TREE INVENTORY

An inventory of existing trees, having a caliper of 10cm or more as measured 1.4m from existing grade, subject to this application, was conducted on July 18, 2024. Locates provided by Farley, Smith & Denis Surveying Ltd., dated 2024-04-18.

The schedule identifies existing trees evaluated on the subject / adjacent properties at date of inventory:

TREE SPECIES AT RISK

No Tree Species at Risk, as identified under the Province of Ontario Endangered Species Act (ESA) were observed on subject property or within 25m of adjacent lands.

MITIGATIVE MEASURES

The following measures are recommended to promote survival for trees to be retained:

Tree Protection Barrier:

Barriers for tree protection shall be installed surrounding the Critical Root Zone (CRZ = 10 x diameter) of a tree to be protected. All of the supports and bracing for the barrier shall be placed outside of the protected area and installed to minimize root damage. Furthermore, while the desired effect of the barrier is to prevent construction traffic from entering the protected area, it shall be kept in place until all construction has been completed. The barrier shall also have signage attached to it indicating its purpose as a protection barrier. Repair, fuelling of machinery, storage and stockpiling of materials, shall not take place within this protected area. (See **TREE PROTECTION SPECIFICATION**)

Tree Protection Barrier material options:

(See **TREE PROTECTION SPECIFICATION**)

In addition:

- Do not place any material or equipment within the CRZ of the tree;
- Do no attach any signs, notices or posters to any tree;
- Do not raise or lower the existing grade within the CRZ without approval;
- Tunnel or bore when digging within the CRZ of a tree;
- Do not damage the root system, trunk or branches of any tree;
- Ensure that exhaust fumes from all equipment are NOT directed towards any tree's Canopy.

Surface Treatment:

A protective root buffer is required for a minimum distance of 2.0 metres outside of the tree protection barrier. This buffer will consist of woodchips spread to a thickness of 10 cm covered by a layer of granular 'A' (gravel) deep enough to stabilize 2 cm thick plywood. This will help prevent the compaction of soil surrounding the trees' fine feeding roots.

Excavation & Root Pruning:

Excavation shall not take place within the CRZ. Instead, directional micro-tunnelling and boring shall be employed. When excavation must take place outside of the CRZ, a trench shall be carefully dug either by hand or with hydraulic or pneumatic air excavation technology. After the trench is established, a backhoe or other equipment stationed outside of the CRZ may be used to complete the work. If roots are encountered while trenching outside the CRZ, they shall be cleanly cut with either pruning shears or a saw wiped with alcohol before each cut.

Treatment of Exposed Roots:

If tree roots are exposed during construction, they shall be reburied immediately with soil or covered temporarily with burlap, filter cloth or woodchips and kept moist (i.e. watering with a soft-spray nozzle at least three times a week). A covering of plastic shall be used to facilitate moisture retention during an extended period when watering may not be possible (i.e. over weekends).

Fertilization:

Fertilizing the trees with a liquid, deep root, slow release fertilizer is recommended only after the completion of all construction.

Retaining Walls/ Tree Wells:

Avoid changes in grade close to trees to be retained. Where grade changes cannot be avoided, the installation of retaining walls or tree wells shall be considered for tree preservation.

WILDLIFE PROTOCOL

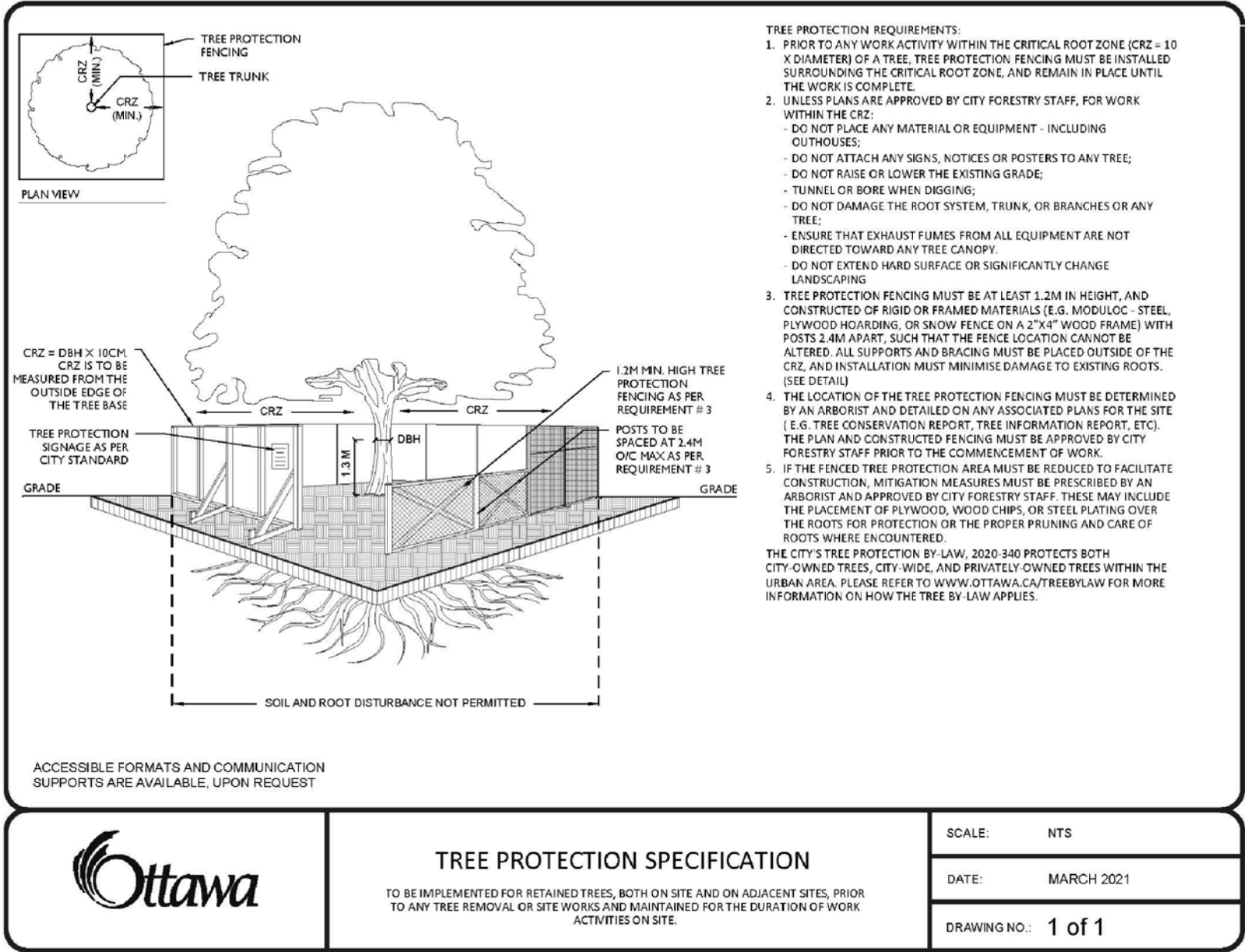
No tree removal shall occur between April 15 and August 15, unless a qualified wildlife biologist has determined that no bird nesting is occurring within 5 days prior to removal.

SCHEDULE OF EXISTING TREES

(Inventory conducted July 18, 2024)

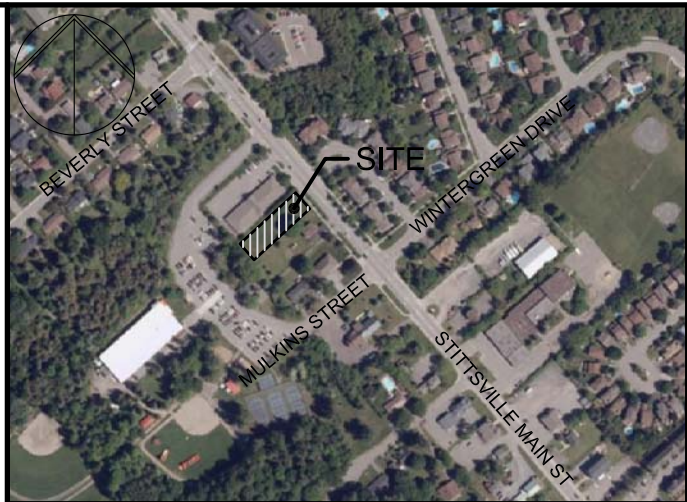
CODE	SPECIES	CONDITION	DBH¹ (cm)	OWNERSHIP	ACTION NOTES
1	Hackberry (<i>Celtis occidentalis</i>)	Good health; Good structure;	5	City (R.O.W)	Protect / RELOCATE/ TRANSPLANT ; to avoid conflict with servicing and proposed development entrance;
2	Hackberry (<i>Celtis occidentalis</i>)	Good health; Good structure;	5	City (R.O.W)	Protect / RETAIN ;
3	Sugar Maple (<i>Acer saccharum</i>)	Good health; Fair structure;	90	Adjacent Property	Protect / RETAIN ; A Certified Arborist shall be present to monitor excavation and backfill work in the CRZ zone to ensure mitigation measures are met to best standards of practice
4	Silver Maple (<i>Acer saccharinum</i>)	Co-dominant stem; Good health; Fair structure; minor canopy deadwood;	90	Adjacent Property	Protect / RETAIN ; prune for clearance and deadwood;
5	Silver Maple (<i>Acer saccharinum</i>)	Co-dominant stem; Good health; Poor structure; minor canopy deadwood;	90	Adjacent Property	Protect / RETAIN ; prune for clearance and deadwood;
6	Red Pine (<i>Pinus resinosa</i>)	Good health; Good structure; minor canopy deadwood;	30	Adjacent Property	Protect / RETAIN ; prune for clearance and deadwood;
7	Red Pine (<i>Pinus resinosa</i>)	Good health; Good structure; minor canopy deadwood;	30	Adjacent Property	Protect / RETAIN ; prune for clearance and deadwood;
8	Red Pine (<i>Pinus resinosa</i>)	Good health; Good structure; minor canopy deadwood;	30	Adjacent Property	Protect / RETAIN ; prune for clearance and deadwood;
9	Red Pine (<i>Pinus resinosa</i>)	Good health; Good structure; minor canopy deadwood;	30	Adjacent Property	Protect / RETAIN ; prune for clearance and deadwood;
10	Bur Oak (<i>Quercus macrocarpa</i>)	Good health; Good structure; minor canopy deadwood;	40	Adjacent Property	Protect / RETAIN ; prune for clearance and deadwood (when dormant);
11	Manitoba Maple (<i>Acer negundo</i>)	Good health; Fair structure; minor canopy deadwood;	30	Shared	Protect / RETAIN ; prune for clearance and deadwood;

¹ DBH Diameter at breast height, or 1.4m from grade (unless otherwise noted).



LEGEND / SYMBOL

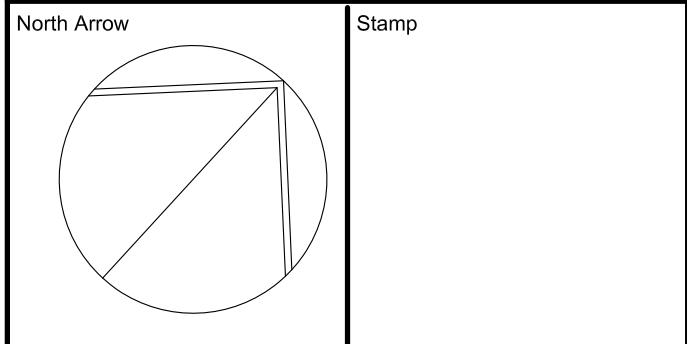
- EXISTING TREE TO BE RETAINED (REFER TO PLAN AND SCHEDULE OF EXISTING TREES)
- EXISTING TREE TO BE RELOCATED / TRANSPLANTED (REFER TO PLAN AND SCHEDULE OF EXISTING TREES)
- PROPOSED AGGREGATE MAINTENANCE STRIP
- PROPOSED UNIT PAVERS
- PROPOSED BICYCLE PARKING
- PROPOSED TREE PROTECTION BARRIER



LOCATION PLAN

FOR APPROVAL ONLY

1.	SEPT. 18/24	ISSUE FOR SPA
no.	date	revision



Contractor shall check and verify all dimensions on site and report all errors and/or omissions to the Consultant.

Work to be done in accordance with all applicable codes and by-laws.

Do not scale Drawing.

This Drawing shall not be used for construction until signed by the Consultant.

Copyright reserved. This Drawing is the exclusive property of Levstek Consultants Inc. and shall not be used without consent.

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Project
1412 STITTSVILLE MAIN STREET
STITTSVILLE, ONTARIO

Drawing Title
TREE CONSERVATION PLAN / REPORT

Drawn	Project No.	Drawing No.
Scale 1:150	1237	L1.02