

RELATED BY-LAWS:
- TREE PROTECTION BY-LAW (No. 2020-340)

CRITICAL ROOT ZONE

DBH x 10

CRITICAL ROOT ZONE

DBH x 10

2400 OC MAX

DBH

1200 MIN

SOIL AND ROOT DISTURBANCE NOT PERMITTED

REFER TO THE TREE PROTECTION NOTES, FOUND ON THE PLANS AND/OR REPORT.

PRIOR TO ANY WORK ACTIVITY, THE PLAN AND THE INSTALLED FENCE MUST BE APPROVED BY CITY FORESTRY STAFF.

TREE PROTECTION FENCE SHALL BE ERRECTED TO PROTECT AND ENCLOSE THE CRITICAL ROOT ZONE (CRZ = DBH x 10). SEE PLAN FOR LOCATION.

TREE PROTECTION TO REMAIN IN PLACE AND BE MAINTAINED IN GOOD CONDITION UNTIL THE SOD/ SEED IS STARTED. REMOVE FENCE AT THIS TIME.

MEASURED FROM OUTSIDE EDGE AT BASE OF TRUNK

TREE PROTECTION SIGNAGE AS PER CITY STANDARD

TREE PROTECTION FENCING MUST BE CONSTRUCTED OF RIGID OR FRAMED MATERIALS. eg.
- MODULOC - STEEL
- PLYWOOD HOARDING, OR
- SNOW FENCE ON 2x4 FRAME.

POSTS SHALL BE MAX. 2.4m APART, AND POSTS SHALL BE SECURED TO PREVENT ALTERATIONS TO THE FENCE LOCATION.

ALL SUPPORTS AND BRACING MUST BE PLACED OUTSIDE OF THE CRZ, AND INSTALLATION MUST MINIMIZE DAMAGE TO EXISTING ROOTS

TREE PROTECTION FENCE

D1

PROPOSED & RETAINED TREE CANOPY COVER:

PROPOSED & RETAINED CANOPY COVERAGE AT MATURITY				
SIZE OF PROPOSED TREE	AVERAGE MATURE SPREAD	CANOPY COVERAGE PER TREE AT MATURITY (m ²)	QUANTITY OF TREES	TOTAL PROPOSED CANOPY COVERAGE AT MATURITY (m ²)
Deciduous - Small (less than 6m H)	5.0m	20	2	39
Deciduous - Medium (6m to 14m H)	11m	95	3	285
Deciduous - Large (15m+ H)	14m	154	5	770
TOTAL PROPOSED CANOPY COVERAGE (m ²):				1094

1. Area of a circle = $(r \times r) \times \pi$

2. Canopy coverage per tree calculation: $(\text{average mature spread}/2) \times (\text{average mature spread}/2) \times \pi$

3. Canopy calculations do not include Trees 8, 9 and 10 because they are on the neighbouring property.

NORTH

N

KEY PLAN
N.T.S.

DURHAM
RIDEAU
MCCLEON
RIDEAU
SPRINGFIELD
PUTMAN
DOUGLAS
LINCOLN
CLARK
BEECHWOOD
BARRIETTE
LAVAL
CECILE
MARIER
ALICE
AMBOISE
LANDRY
VANIER P.
LENORE

SITE

LEGEND

EXISTING TREE TO REMAIN.
SYMBOL SIZE REFLECTS CRZ

EXISTING TREE TO REMOVE.
SYMBOL SIZE REFLECTS CRZ

TREE PROTECTION FENCE

TREE PROTECTION

Implement the following protection measures for retained trees, both on site and on adjacent sites, prior to any work activity, including tree removal. Maintain tree protection fence in place and in good condition for the duration of site works:

1. The Landscape Architect or Certified Arborist is to determine the location of the tree protection fencing and detail it on any associated plans for the site (e.g. tree conservation report, tree disclosure report, etc.).

2. Under the guidance of a Landscape Architect or Certified Arborist, erect a fence at the critical root zone (CRZ) of trees. Diameter at breast height (DBH) is the trunk diameter, measured at 1.3m height on the tree trunk. The CRZ is calculated as DBH x 10. Refer to the Tree Protection Fence detail.

3. Refer to the Tree Protection Plan for fence location. City Forestry Staff are to approve both the plan and the installed fence prior to work commencement.

4. Do not place any material or equipment within 2m of the CRZ of any tree, including outhouses.

5. Do not attach any signs, notices, or posters to any tree.

6. Do not disturb, raise, or lower the existing grade within the CRZ without approval.

7. Only tunnel or bore when digging within the CRZ of a tree. Hand work only where required within the CRZ; absolutely no machinery permitted.

8. Do not damage the root system, trunk, or branches, or any tree.

9. Do not extend hard surface or significantly change landscaping.

10. Ensure that exhaust fumes from all equipment are directed away from any tree canopy.

11. When trees marked for removal overlap with the CRZ of trees marked for preservation: cut roots at the edge of the CRZ and grind down stumps after tree removals, do not pull out stumps. Ensure there is not root pulling or disturbance of the ground within the CRZ.

12. Prior to work taking place, notify and consult the Landscape Architect and City Forestry Staff if roots must be cut. Roots 20mm or larger should be cut at right angles with clean, sharp horticultural tools without tearing, crushing, or pulling. Refer to City of Ottawa Specification S.P. F-8011 Tree Protection, Excavation of Root Zone.

13. If damaged or objectionable branches are observed, consult the Landscape Architect, before any work is conducted. Do not prune leaders. Do not prune more than 1/4 of crown.

14. Set up a water and fertilizing program, if trees are being affected by site works, to the satisfaction of the Landscape Architect.

15. The Landscape Architect is to prescribe mitigation measures if the protected fenced area must be reduced to facilitate construction. Measures may include the placement of plywood, wood chips, or steel plating over the roots for protection. City Forestry Staff are to approve said measures prior to fence movement.

16. City of Ottawa By-law: Protects municipal trees and municipal natural areas in the City of Ottawa and trees on private property in the urban area of the City of Ottawa (2020-340).

OWNER
2317916 ONT INC.
2081 MERIVALE ROAD
OTTAWA, ON, K2G 1G9

ARCHITECT
PROJECT 1 STUDIO
260 ST. PATRICK ST., SUITE 300
OTTAWA, ON, K1N 5K5

PLANNER
NOVATECH
240 MICHAEL COWPLAND DRIVE, SUITE 200
OTTAWA, ON, K2M 1P6

LANDSCAPE ARCHITECT
NOVATECH
240 MICHAEL COWPLAND DRIVE, SUITE 200
OTTAWA, ON, K2M 1P6

CIVIL ENGINEER
STANTEC
300 - 1331 CLYDE AVENUE
OTTAWA, ON, K2C 3G4

SURVEYOR
ANNIS O'SULLIVAN VOLLEBEKK LTD.
14 CONCOURSE GATE, SUITE 500
OTTAWA, ON, K2E 7S6

NOTE:
THE POSITION OF ALL POLE LINES, CONDUITS, WATERMAINS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, DETERMINE THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

OWNER 2317916 ONT INC. 2081 MERIVALE ROAD OTTAWA, ON, K2G 1G9	PLANNER NOVATECH 240 MICHAEL COWPLAND DRIVE, STE. 200 OTTAWA, ON, K2M 1P6	CIVIL ENGINEER STANTEC 300 - 1331 CLYDE AVENUE OTTAWA, ON, K2C 3G4
ARCHITECT PROJECT 1 STUDIO 260 ST. PATRICK STREET, STE. 300 OTTAWA, ON, K1N 5K5	LANDSCAPE ARCHITECT NOVATECH 240 MICHAEL COWPLAND DRIVE, STE. 200 OTTAWA, ON, K2M 1P6	SURVEYOR ANNIS O'SULLIVAN VOLLEBEKK LTD. 14 CONCOURSE GATE, STE. 500 OTTAWA, ON, K2E 7S6

8. RE-ISSUED FOR SPC	OCT 8/25	RGJ
7. RE-ISSUED FOR SPC	JUL 22/25	RGJ
6. RE-ISSUED FOR SPC	MAY 5/25	RGJ
5. RE-ISSUED FOR SPC	OCT 11/24	RGJ
4. RE-ISSUED FOR SPC	SEPT 6/24	RGJ
3. RE-ISSUED FOR SPC	AUG 20/24	RGJ
2. RE-ISSUED FOR SPC	JUN 26/24	RGJ
1. ISSUED FOR SPC	JUN 13/23	RGJ
No.	REVISION	DATE BY

SCALE

1:150

0

2

4

6

DESIGN

MEL

CHECKED

RGJ

DRAWN

MEL

CHECKED

RGJ

APPROVED

RGJ

FOR REVIEW ONLY

ASSOCIATION OF LANDSCAPE ARCHITECTS
ONTARIO
MEMBER
OCT 8/25

NOVATECH

Engineers, Planners & Landscape Architects
Suite 200, 240 Michael Cowpland Drive
Ottawa, Ontario, Canada K2M 1P6

Telephone (613) 254-9643
Facsimile (613) 254-5867
Website www.novatech-eng.com

LOCATION CITY OF OTTAWA 47 BEECHWOOD AVENUE	PART OF LOTS 1, 2, 3, & 4 (NORTH BEECHWOOD AVE.) LOT 1 AND PART OF LOT 2 (WEST DOUGLAS AVE.) REGISTERED PLAN T4 CITY OF OTTAWA
DRAWING NAME TREE CONSERVATION PLAN 2 PROPOSED DEVELOPMENT & TREE COVER	PROJECT No. 122186-00 REV REV # 8 DRAWING No. 122186-TCR2

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PLANET.DWG - 11/19/2024
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