

CRITICAL ROOT ZONE
DBH X 10

CRITICAL ROOT ZONE
DBH X 10

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

A TEMPORARY FENCE SHALL BE
ERECTED TO PROTECT THE
CRITICAL ROOT ZONE (CRZ)
THE CRZ IS ESTABLISHED AS
DBH(cm) X 10. SEE PLAN FOR
LOCATION.

PRUNE BRANCHES TO REMOVE
DAMAGED OR OBJECTIONABLE
BRANCHES. DO NOT PRUNE
LEADERS. DO NOT PRUNE MORE
THAN 1/3 OF CROWN.

TREE PROTECTION TO REMAIN
UNTIL THE SODDING SEEDING
PHASE OF THE PROJECT IS
STARTED. REMOVE FENCE AT THIS
TIME.

IF TREES ARE BEING AFFECTED BY
CONSTRUCTION, A WATER AND
FERTILIZING SYSTEM WILL NEED
TO BE SET UP TO THE
SATISFACTION OF THE LANDSCAPE
ARCHITECT.

1500 O.C. MAX

1200

600mm

ATTACH FENCE WITH ZIP
TIES USE 2x4 WOOD TOP RAIL
TO SUPPORT LONG LENGTHS,
AS REQUIRED

STEEL T-BAR WITH
PREDRILLED HOLES

ORANGE SNOW FENCE
OR STANDARD PAGE WIRE
FARM FENCE, 1200mm HT.

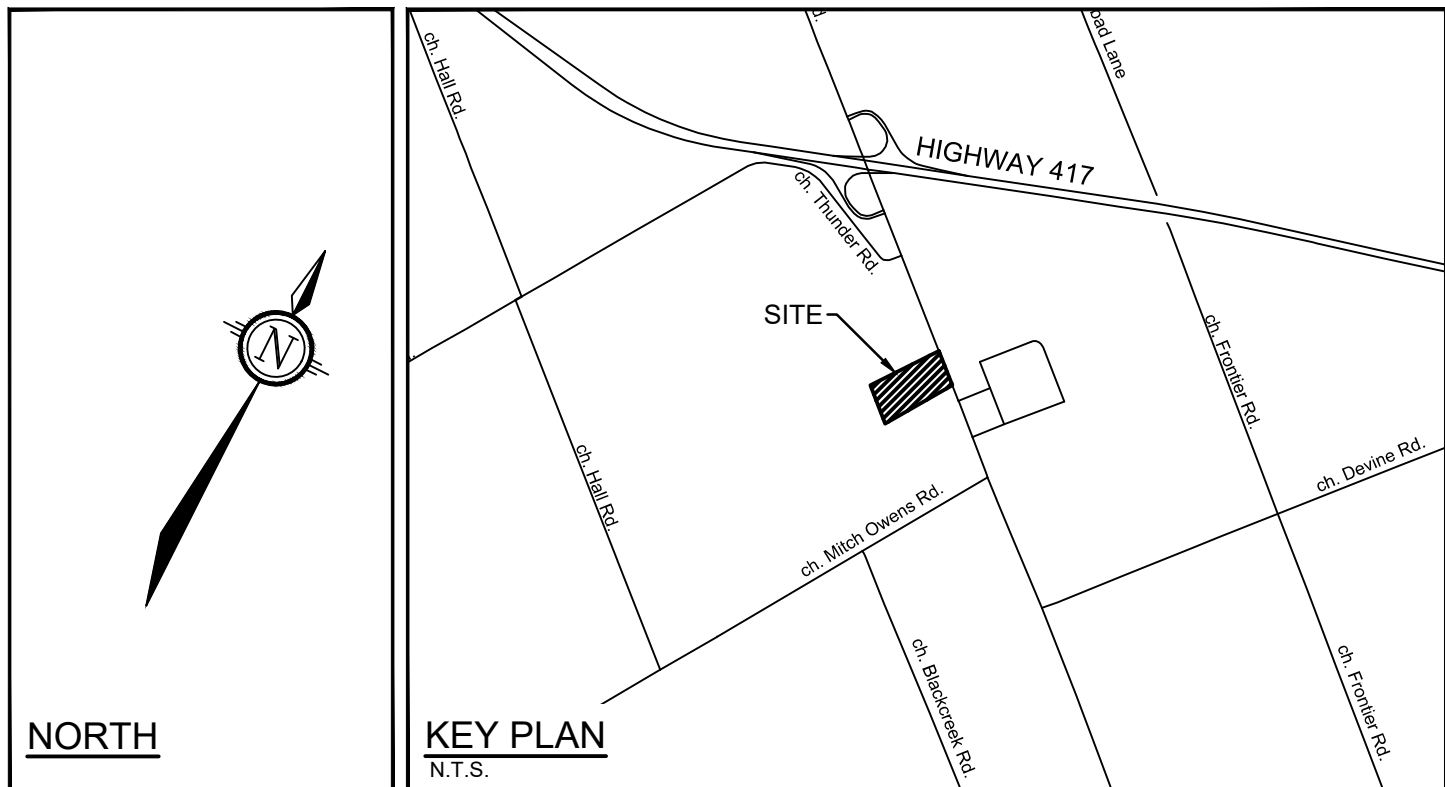
UNDISTURBED SOIL

TREE PROTECTION FENCE

D1

Key	Botanical Name	Common Name	% Comps.	DBH Min-Max	DBH Avg	Owner	Remarks	Recomm.
Group A								
A	<i>Populus grandidentata</i>	Large-Tooth Aspen	30%	5cm-25cm	20cm	Neighbour	Mostly young vigorous trees / Little to no defects present	PROTECT
A	<i>Populus tremuloides</i>	Trembling Aspen	20%	5cm-25cm	10cm	Neighbour	Mostly young vigorous trees / Little to no defects present	PROTECT
A	<i>Salix sp. (tree)</i>	Willow	20%	10cm-20cm	15cm	Neighbour	Mostly young vigorous trees / Little to no defects present	PROTECT
A	<i>Acer rubrum</i>	Red Maple	10%	5cm-30cm	15cm	Neighbour	Mostly young vigorous trees / Little to no defects present	PROTECT
A	<i>Betula papyrifera</i>	Paper Birch	10%	5cm-10cm	8cm	Neighbour	Mostly young vigorous trees / Little to no defects present	PROTECT
A	<i>Ulmus americana</i>	White Elm	5%	5cm-10cm	8cm	Neighbour	-	PROTECT
F	<i>Phytos americanus</i>	European Buckthorn	-	-	-	Neighbour	invasive	PROTECT
Group B								
B	<i>Salix sp. (tree)</i>	Willow	95%	5cm-35cm	25cm	Neighbour	Most trees in good to fair health with limited defects and cavities	PROTECT
B	<i>Betula papyrifera</i>	Paper Birch	3%	5cm-10cm	8cm	Neighbour	Mostly young vigorous trees / Little to no defects present	PROTECT
B	<i>Populus grandidentata</i>	Large-Tooth Aspen	2%	5cm-10cm	8cm	Neighbour	Mostly young vigorous trees / Little to no defects present	PROTECT
b	<i>Rhamnus carolinica</i>	European Buckthorn	-	-	-	Neighbour	invasive	PROTECT
Group C								
C	<i>Betula papyrifera</i>	Paper Birch	40%	5cm-10cm	5cm	Shared	Mostly young vigorous trees / Little to no defects present	PROTECT
C	<i>Acer rubrum</i>	Red Maple	35%	5cm-25cm	15cm	Shared	Most trees in good to fair health with limited defects and cavities	PROTECT
C	<i>Populus grandidentata</i>	Large-Tooth Aspen	15%	5cm-10cm	8cm	Shared	Mostly young vigorous trees / Little to no defects present	PROTECT
C	<i>Salix sp. (tree)</i>	Willow	10%	5cm-10cm	8cm	Shared	Mostly young vigorous trees / Little to no defects present	PROTECT
c	<i>Rhamnus carolinica</i>	European Buckthorn	-	-	-	Shared	invasive	PROTECT
Group D								
D	<i>Acer rubrum</i>	Red Maple	80%	5cm-40cm	30cm	Neighbour	Most trees in good to fair health with limited defects and cavities	PROTECT
C	<i>Populus grandidentata</i>	Large-Tooth Aspen	15%	5cm-30cm	20cm	Neighbour	Most trees in good to fair health with limited defects and cavities	PROTECT
D	<i>Salix sp. (tree)</i>	Willow	5%	5cm-10cm	8cm	Neighbour	Mostly young vigorous trees / Little to no defects present	PROTECT
D	<i>Larix laricina</i>	Tamarack	1%	5cm-20cm	15cm	Neighbour	Most trees in good to fair health with limited defects and cavities	PROTECT
D	<i>Picea glauca</i>	White Spruce	1%	5cm-20cm	15cm	Neighbour	Most trees in good to fair health with limited defects and cavities	PROTECT
D	<i>Prunus typhina</i>	Staghorn Sumac	-	-	-	Neighbour	-	PROTECT

Key	Botanical Name	Common Name	% Compos.	DBH Min-Max	DBH Avg	Owner	Remarks	Recomm.
Group E								
E	<i>Pinus sylvestris</i>	Scots Pine	45%	15cm-25cm	20cm	Client	Most trees in good to fair health with limited defects and cavities	Conflict
E	<i>Picea glauca</i>	White Spruce	45%	10cm-20cm	15cm	Client	Most trees in good to fair health with limited defects and cavities	Conflict
E	<i>Thuja occidentalis</i>	White Cedar	10%	5cm-10cm	8cm	Client	Mostly young vigorous trees / Little to no defects present	Conflict
Group F								
F	<i>Populus deltoides</i>	Eastern Cottonwood	20%	20cm-45cm	30cm	Shared	Most trees in good to fair health with limited defects and cavities	Conflict
F	<i>Populus grandidentata</i>	Large-Tooth Aspen	25%	5cm-25cm	20cm	Shared	Mostly young vigorous trees / Little to no defects present	Conflict
F	<i>Populus tremuloides</i>	Trembling Aspen	15%	5cm-25cm	10cm	Shared	Mostly young vigorous trees / Little to no defects present	Conflict
F	<i>Salix sp. (tree)</i>	Willow	15%	10cm-20cm	15cm	Shared	Mostly young vigorous trees / Little to no defects present	Conflict
F	<i>Acer acerum</i>	Red Maple	10%	5cm-30cm	15cm	Shared	Mostly young vigorous trees / Little to no defects present	Conflict
F	<i>Betulus papyrifera</i>	Paper Birch	10%	5cm-10cm	8cm	Shared	Mostly young vigorous trees / Little to no defects present	Conflict
f	<i>Ulmus americana</i>	White Elm	5%	5cm-10cm	8cm	Shared	-	Conflict
f	<i>Rhamnus cathartica</i>	European Buckthorn	-	-	-	Shared	Invasive	Conflict
Group G								
G	<i>Populus grandidentata</i>	Large-Tooth Aspen	20%	5cm-25cm	20cm	Shared	Mostly young vigorous trees / Little to no defects present	PROTECT
G	<i>Populus tremuloides</i>	Trembling Aspen	20%	5cm-25cm	10cm	Shared	Mostly young vigorous trees / Little to no defects present	PROTECT
G	<i>Picea glauca</i>	White Spruce	20%	10cm-20cm	15cm	Client	Most trees in good to fair health with limited defects and cavities	PROTECT
G	<i>Picea abies</i>	Norway Spruce	10%	10cm-20cm	15cm	Client	Most trees in good to fair health with limited defects and cavities	PROTECT
G	<i>Salix sp. (tree)</i>	Willow	10%	10cm-20cm	15cm	Shared	Mostly young vigorous trees / Little to no defects present	PROTECT
G	<i>Acer acerum</i>	Red Maple	10%	5cm-30cm	15cm	Shared	Mostly young vigorous trees / Little to no defects present	PROTECT
G	<i>Betulus papyrifera</i>	Paper Birch	5%	5cm-10cm	8cm	Shared	Mostly young vigorous trees / Little to no defects present	PROTECT
G	<i>Ulmus americana</i>	White Elm	5%	5cm-10cm	8cm	Shared	-	PROTECT
g	<i>Rhamnus cathartica</i>	European Buckthorn	-	-	-	Shared	Invasive	PROTECT



3 D1

- 
 EG. L1, L2, ETC. FOR CODE
 --- PROPERTY LIMIT
 ○ (with crosshairs) EXISTING TREE TO REMAIN, SYMBOL SIZE REFLECTS CRZ
 ○ (with diagonal lines) EXISTING TREE TO REMOVE, SYMBOL SIZE REFLECTS CRZ
 — □ — TREE PROTECTION FENCE

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, site plan, etc.) (see Appendix E).
2. Under the guidance of a Landscape Architect or Certified Arborist, erect a fence at the critical root zone (CRZ) of trees that are to be retained. The CRZ is the area around a tree measured at 1m 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.
4. Do not place any material or equipment within 2m of the CRZ of any tree, including outcrops.
5. Do not attach signs, notices, or posters to any tree.
6. Do not disturb, raise, or lower the existing grade within the CRZ without approval.
7. Do not dig or excavate, or 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 hand surface or significantly change topography.
10. Do not excavate.
11. Ensure that exhaust fumes from all equipment are directed away from any tree canopy.
12. If a tree is to be removed, obtain 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 or remove roots, do not root pulling or disturbance of the ground within the CRZ.
13. Prior to work taking place, notify and consult the Landscape Architect, City Forestry Staff, and the City of Ottawa (2020-340). 20mm or larger should be cut at right angles with clean, sharp hand saws or chainsaws without tearing, crushing, or pulling. Refer to the City of Ottawa Forestry Department S.P. F-3011 Tree Protection, Excavation of Root Zone.
14. If damaged or objectionable branches are observed, consult with the Landscape Architect, City Forestry Staff, and the City of Ottawa Forestry Department. Do not prune more than 1/4 of crown.
15. Set up a water and fertilizing program, if trees are being retained. See site works, to the satisfaction of the Landscape Architect.
16. The Landscape Architect is to prescribe mitigation measures and the project foreman must be responsible for the implementation. Measures may include: mulch, the placement of plywood, wood chips, or steel plating over the roots for protection. City Forestry Staff are to approve said measures.
17. The City of Ottawa Forestry Department (2020-340) City of Ottawa By-Law: Proscribes municipal trees and municipal natural areas in the City of Ottawa and trees on private property in the City of Ottawa.

1. Read and interpret this drawing/ drawing set in conjunction with all the contract details and specifications, including but not limited to, but not limited to, the following: electrical, environmental, geotechnical, and survey information.
2. The Contractor is to determine the exact location, size, material, and elevation of all existing utilities prior to commencing construction. Protect and assume responsibility for all existing utilities regardless of being shown on the drawings.
3. It is essential to use the plans and details in conjunction with the specifications and notes.
4. Do not scale drawings or dimensions only.
5. Protect all existing and retained vegetation for the duration of construction according to the contract details and specifications.
6. Reinststate all areas and items damaged or disturbed, beyond the Limit of Work, because of construction activities, including but not limited to, but not limited to, the following: the stockpile areas, etc. to the satisfaction of the Consultant.

Unless otherwise noted, Contractor is to reinstate all areas to original condition or better to the satisfaction of the Contract Administrator.



APPROVED
By Adam Brown at 4:15 pm, Jun 30, 2026

ADAM BROWN
MANAGER , DEVELOPMENT REVIEW RURAL
PLANNING, DEVELOPMENT & BUILDING SERVICES
DEPARTMENT, CITY OF OTTAWA

NOTE:
THE POSITION OF ALL POLE LINES, CONDUITS, WATERMANS, 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:
DAY & ROSS INC.
358 MAIN STREET
HARTLAND,
NB E7P 1C6

Civil Engineer
NOVATECH
0 MICHAEL COWPLAND
DRIVE, SUITE 200
OTTAWA,
ON K2M 1P6

Surveyor
ANNIS O'SULLIVAN
VOLLEBEKK LTD
14 CONCOURSE GATE
SUITE 500, NEPEAN
ON K2E 7S6

Architect
45 ARCHITECTURE INC.
ROBERT MATTHEWS
71 BANK STREET,
7TH FLOOR, OTTAWA,
ON K1P 5N2

DISCLAIMER:

The elements on this plan illustrate the design intent and general constructability of the proposed landscape which will support the associated development. This is to demonstrate how the canopy cover, urban design, health, and climate change objectives of the Official Plan will be met through tree planting and site design. This drawing is for City review only and is not intended for construction. Final detailed design and construction documentation is to be provided with certified 'Issued for Construction' drawings and specifications prior to construction.

2.	REVISED PER CITY AND SNCA COMMENTS	NOV 14/25	S
1.	ISSUED FOR COMPLETENESS COMMENTS	FEB 27/25	S
No.	REVISION	DATE	B

SCALE

DESIGN

MT

CHECKED 22

30	
DRAWN	

MT

CHECKED

SC
APPROVED

SC

FOR REVIEW ONLY



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
5494-5510 BOUNDARY ROAD

DRAWING NAME
TREE CONSERVATION PLAN

PROJECT No. _____

118168

REV

REV # 2

110160 TCE