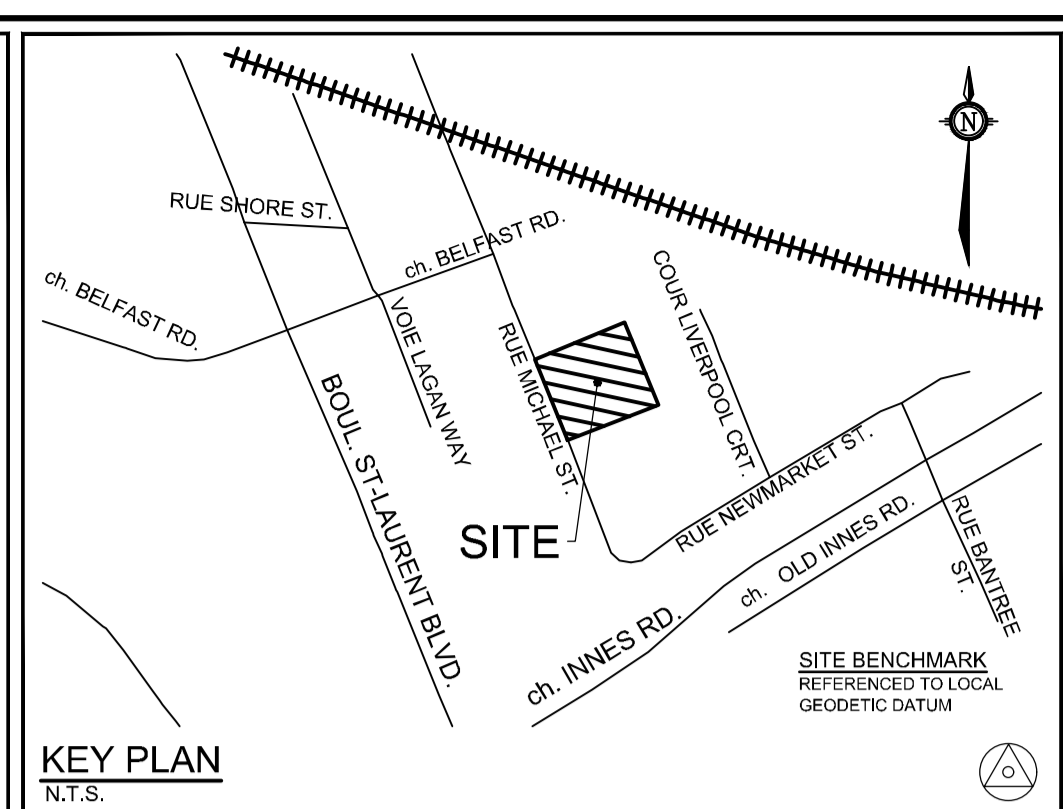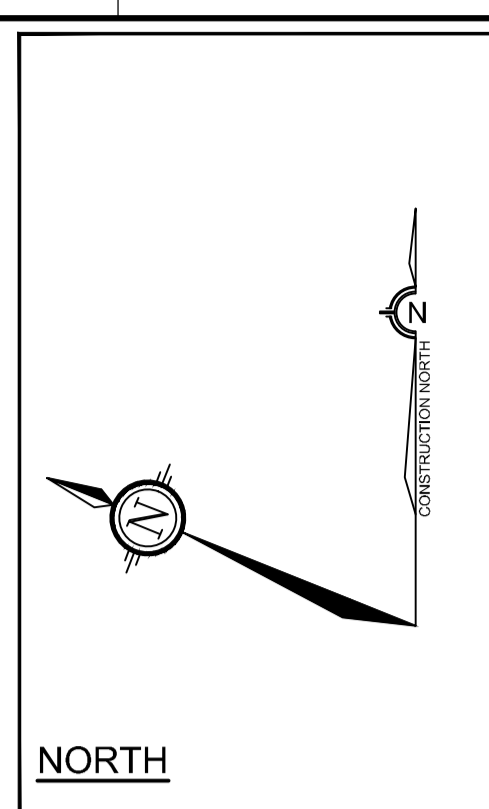## LEGEND

- ⊕ EXISTING TREE TO REMAIN, SYMBOL SIZE REFLECTS CRZ
- ⊘ EXISTING TREE TO REMOVE, SYMBOL SIZE REFLECTS CRZ
- — ·· — PROPERTY LIMIT
- —○—○— TREE PROTECTION FENCE

BUCKTHORN AND SERVICEBERRY <10cm DBH TYP.

NORTH

KEY PLAN
N.T.S.

SITE

RUE SHORE ST.
ch. BELFAST RD.
RUE MOSELEY ST.
VOIE LOGAN WAY
BOUL ST-LAURENT BLVD.
COUR LIVERPOOL CRT.
RUE NEWMARKET ST.
ch. OLD INNES RD.
ch. INNES RD.
RUE BANTREE ST.

SITE BENCHMARK
REFERENCED TO LOCAL
GEODETIC DATUM

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).

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
1300
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 ERECTED 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 e.g.
- 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

EXISTING TREE INVENTORY:

No.	Botanical Name	Common Name	DBH (cm)	CRZ (m)	Condition	Owner	Remarks	Recomm.
1	Acer platanoides	Norway Maple	75	7.50	VP	Private on adjoining site	Major Internal rot, white face scar, fungus on dead part of wood, 50% dieback of crown	PROTECT
2	Acer platanoides	Norway Maple	55	5.50	VP	Client	Large Open wound, Internal rotting, crown dieback	Remove
2	Acer rubrum	Red Maple	60	6.00	P	Client	Large limb lost, open wound, Internal rot	Conflict
3	Acer rubrum	Red Maple	65	6.50	P	Owned by the City	Multiple wounds, major limb lost, Internal rot	Conflict
4	Acer rubrum	Red Maple	87	8.70	P	Client	Major limb lost	Conflict
5	Acer negundo	Manitoba Maple	90	9.00	P	Co-owned (tree on property line)	Barrelling	Conflict
6	Tilia americana	Basswood	52	5.20	F	Client	Multistem, major stem wound, 25% dieback of crown	Conflict
7	Tilia americana	Basswood	32	3.20	F	Client	Crook in main stem	Conflict
8	Tilia americana	Basswood	30	3.00	G	Client	Multistem	Conflict
9	Tilia americana	Basswood	30	3.00	G	Private on adjoining site	Low vigour	PROTECT
10	Tilia americana	Basswood	47	4.70	P	Client	Large wound on two sides of trunk, Low vigour, Mechanical damage	Conflict
11	Tilia americana	Basswood	33	3.30	G	Client	Multistem , low vigour	Conflict
12	Tilia americana	Basswood	42	4.20	P	Client	Mechanical damage, exposed wood at base	Conflict
13	Tilia americana	Basswood	46	4.60	P	Client	Low vigour	Conflict
14	Ulmus americana	Elm	62	6.20	P	Client	Dutch Elm disease, Slime Flux	Conflict
15	Tilia americana	Basswood	24	2.40	F	Client	Multistem, Mechanical damage, wounds touching ground	Conflict
16	Tilia americana	Basswood	29	2.90	P	Client	Multiple wounds	Conflict
17	Populus tremuloides	Trembling Aspen	31	3.10	F	Client	Crown dieback, large volume of fill placed within CRZ of tree	Conflict
18	Populus tremuloides	Trembling Aspen	17	1.70	G	Client	Large volume of fill placed within CRZ of tree	Conflict
19	Populus tremuloides	Trembling Aspen	20	2.00	P	Client	Large volume of fill placed within CRZ of tree	Conflict
20	Populus tremuloides	Trembling Aspen	23.0	2.30	P	Client	Large volume of fill placed within CRZ of tree	Conflict
21	Tilia americana	Basswood	39.0	3.90	F	Private on adjoining site	Roots covered in debris, crown dieback	PROTECT
22	Ulmus Americana	Elm	49.0	4.90	VP	Private on adjoining site	Very poor vigour, Severe crown dieback, slime flux, Internal rot evident	PROTECT

MICHAEL STREET

Owner:
[corporation name]
c/o [contact name]
[address line 1]
Ottawa, ON [postal]
Phone: (XXX) XXX-XXXX

SCALE
1:300

1:300
0 3 6 9 12

DESIGN TCB
CHECKED RGJ
DRAWN TCB
CHECKED RGJ
APPROVED RGJ

FOR REVIEW ONLY

No.	REVISION	DATE	BY
1.	ISSUED FOR XXXX	SEPT XX/22	RJ

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

LOCATION
CITY OF OTTAWA
1591 MICHAEL STREET

DRAWING NAME
TREE CONSERVATION PLAN

PROJECT No.
122104-00

REV
REV # 1

DRAWING No.
122104-TCR

D07-00-00-0000

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