

## **RETENTION QUALITIES**

PLANT ID	REMARKS	SUITABILITY FOR RETENTION
Acer negundo / Manitoba maple	Invasive species. Branches have tendency to lean and break easily.	Moderate to Poor
Acer platanoides / Norway maple	Invasive species. Tolerant to poor soils, compaction and pollution. Once established, Norway maples form a dense forest canopy that shades out other species. The seedlings, which are shade tolerant, can form a thick mat on the forest floor that will further limit regeneration of other species.	High
Rhamnus spp. / Buckthorn	Invasive species.	Not recommended
Ulmus americana / American elm	Tolerant to some fill. Root system is tolerant of excavation works. Sensitive to Dutch elm disease	Moderate to Poor

# EXISTING TREE CROWN / CRITICAL ROOT ZONE (CRZ)

- 1. TREE PROTECTION SHALL REMAIN UNTIL SUBSTANTIAL PERFORMANCE OF THE PROJECT.
- WHERE NECESSARY, THE TREES WILL BE GIVEN AN OVERALL PRUNING TO RESTORE THEIR APPEARANCE. DO NOT PRUNE LEADERS. NOT MORE THAN ONE-THIRD OF THE TOTAL BRANCHING SHALL BE REMOVED DURING A SINGLE OPERATION. THE SERVICES OF A CERTIFIED ARBORIST SHALL BE RETAINED FOR THIS TASK.
- WITHIN THE CRZ OF TREES, AS DELINEATED BY
- TEMPORARY TREE PROTECTION FENCING THERE SHOULD BE: NO DISTURBANCE OR ALTERATION OF THE EXISTING GRADE WITHOUT APPROVAL INCLUDING ADDITION
- NO INSTALLATION OF SIGNS, NOTICES OR POSTERS ON TREES:
- NO STORAGE OF CONSTRUCTION MATERIALS, SURPLUS SOIL, CONSTRUCTION WASTE, OR

OF FILL, EXCAVATION, OR SCRAPING OF THE SOIL;

- NO DISPOSAL (DUMPING OR FLUSHING) OF CONTAMINANTS OR LIQUIDS; AND,
- NO MOVEMENT OF VEHICLES (PERSONAL OR BUSINESS), EQUIPMENT OR PEDESTRIANS.

-2400 HIGH 38 X 38 T-BAR POST

-1200 HIGH PAIGE WIRE FARM FENCE SECURED WITH WIRE TWIST TIES

AT 1500 O.C. MAXIMUM

EXISTING GRADE

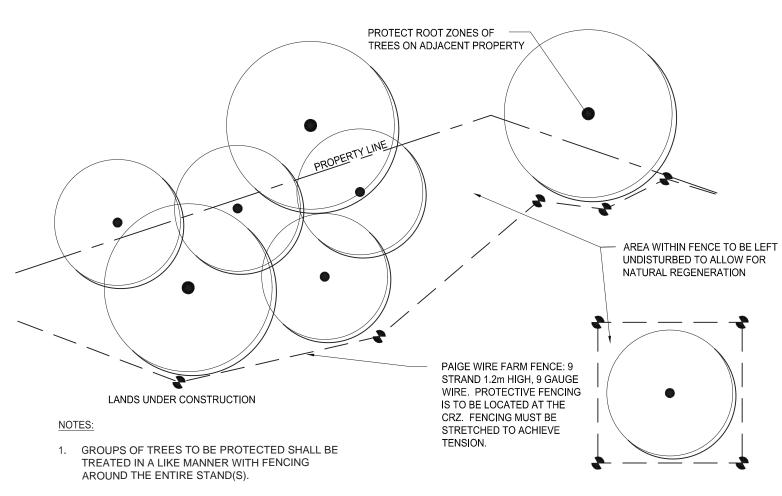
LANDS UNDER CONSTRUCTION

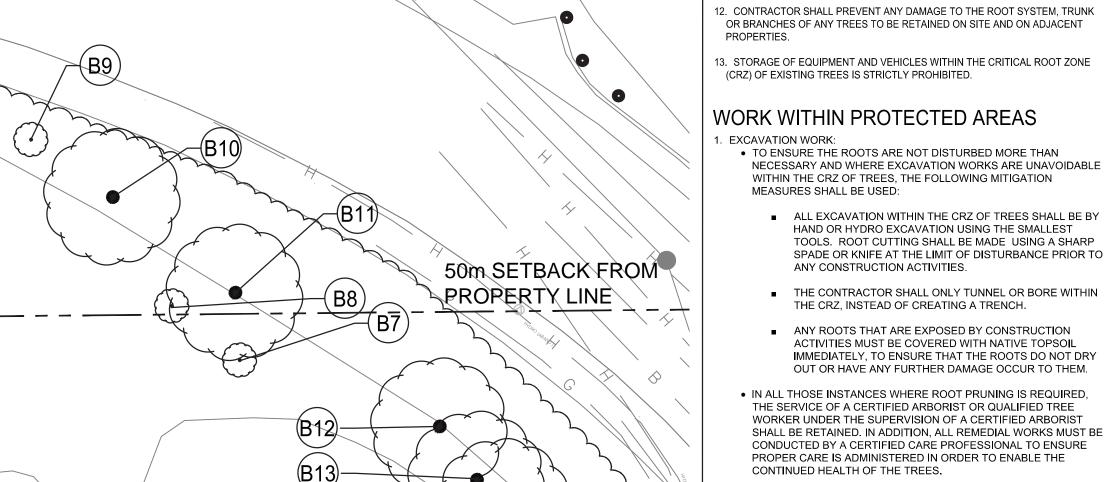
TEMPORARY TREE PROTECTION FENCE - GROUPING OF TREES

PLANT ID	BOTANICAL NAME / COMMON NAME	BREAST HEIGHT (cm)	HEALTH CONDITION	REMARKS
1	Acer negundo / Manitoba Maple - 45% Acer platanoides / Norway Maple - 45% Rhamnus cathartica / Buckthorn - 7.5% Ulmus americana / American Elm - 2.5%	15-25	Good to Poor	GROUPING; Trees located closer to Fountain Place are generally in good health condition with stressed and damaged trees being at the back of the property near 612 Besserrer Street; GROUPING TO BE REMOVED
2	Acer negundo / Manitoba Maple	50	Good	Tree is located on or close to the property line; TO BE REMOVED
3	Acer negundo / Manitoba Maple	3 x 50	Good	Multi-stem (3 stems); Canopy extends over Besserer Street and Besserer Park; Tree is located on or close to the property line; TO BE REMOVED
4	Acer negundo / Manitoba Maple	60; 30; 20	Good	Multi-stem (3 stems); Tree is located on or close to the property line; TO BE REMOVED
5	Acer negundo / Manitoba Maple	50	Good	Tree is located on or close to the property line; TO BE REMOVED
B1 to B9	Juglans cinerea / Butternut	n/a	Good	Besserer Park; Planted saplings
B10	Juglans cinerea / Butternut	6	Fair	Besserer Park; Located more than 50m from property; Category 1; Twig and branch dieback; 70% Live Crown
B11	Juglans cinerea / Butternut	3	Fair	Besserer Park; Located more than 50m from property; Category 2; twig dieback; 90% Live Crown
B12	Juglans cinerea / Butternut	23	Good	Besserer Park; Located within 50m from property; Category 3; 100% Live Crown
B13	Juglans cinerea / Butternut	17	Fair	Besserer Park; Located within 50m from property; Category 2; Twig dieback; 80% Live Crown
B14	Juglans cinerea / Butternut	11	Poor	Besserer Park; Located within 50m from property; Category 1; Twig dieback; Heavily cankered; 80% Live Crown
NOTE:				

1. LOCATION OF TREES 2 TO 5 IS FOR REFERENCE ONLY AND SHALL BE CONFIRMED BY AN ARBORIST AND SURVEYOR. 2. DATA RELATED TO BUTTERNUT TREES WERE PROVIDE BY ANDREW BOYD, CONSULTING URBAN FORESTER WITH IFS ASSOCIATES INC.

TREE ASSESSMENT CONDUCTED APRIL 20, 2016 and June 22,2017 (Butternut trees)





BUTTERNUT TREES IN BESSERER PARK



BESSERER STREET

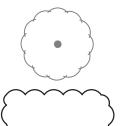
Stantec Consulting Ltd. 400 - 1331 Clyde Avenue Ottawa ON Tel. 613.722.4420 www.stantec.com

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**KEY PLAN** 

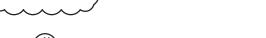
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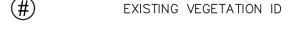


authorized by Stantec is forbidden.

EXISTING SIGNIFICANT TREE

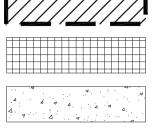
EXISTING WOODED AREA







EXISTING TREE TO BE REMOVE



GROUPING TO BE REMOVED PROPOSED CONCRETE UNIT PAVERS

EXISTING VEGETATION

PROPOSED CONCRETE

PROPOSED RIVERSTONE

PROPOSED TEMPORARY

TREE PROTECTION FENCE PROPERTY LINE

THE CRZ, INSTEAD OF CREATING A TRENCH. ANY ROOTS THAT ARE EXPOSED BY CONSTRUCTION ACTIVITIES MUST BE COVERED WITH NATIVE TOPSOIL IMMEDIATELY, TO ENSURE THAT THE ROOTS DO NOT DRY OUT OR HAVE ANY FURTHER DAMAGE OCCUR TO THEM.

REVISED SITE PLAN

ADDED BUTTERNUT TREE LOCATION

ISSUED TO SITE PLAN CONTROL APPROVAL

WORKER UNDER THE SUPERVISION OF A CERTIFIED ARBORIST SHALL BE RETAINED. IN ADDITION, ALL REMEDIAL WORKS MUST BE CONDUCTED BY A CERTIFIED CARE PROFESSIONAL TO ENSURE PROPER CARE IS ADMINISTERED IN ORDER TO ENABLE THE CONTINUED HEALTH OF THE TREES.

 WHERE RE-GRADING IS REQUIRED WITHIN THE CRZ, IT SHOULD BE PERFORMED BY HAND UNDER THE SUPERVISION OF A CERTIFIED

Revision Dwn. Chkd. Dsgn. YY.MM.DD

IL 18.10.26

IL 16.10.19

Appd. YY.MM.DD

### Permit-Seal



Client/Project

TC UNITED GROUP

244 FOUNTAIN PLACE

OTTAWA, ON

TREE PRESERVATION PLAN

Project No. 160401234	Scale 0 1 1:100	3 5m
Drawing No.	Sheet	Revision
L101	1of 2	4

TEMPORARY TREE PROTECTION FENCE - SECTION