

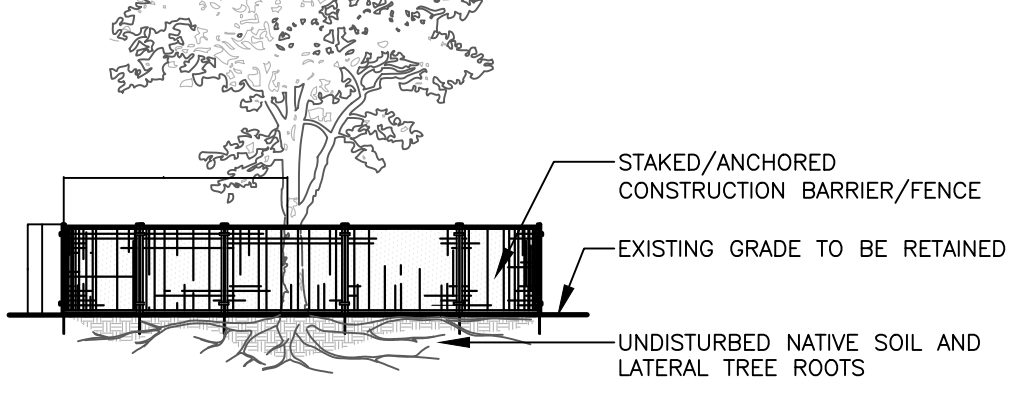


LEGEND:

- APPROXIMATE SITE BOUNDARY
- CRITICAL ROOT ZONE (CRZ)
- 0.18m EXISTING DECIDUOUS TREE
- 0.30m EXISTING CONIFEROUS TREE
- ✗ TREE TO BE REMOVED
- ▨ BUILDING/STRUCTURE
- /// HARD/IMPERMEABLE SURFACE
- PROPOSED DECIDUOUS TREE
- PROPOSED CONIFEROUS TREE
- x — TREE PROTECTION


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DEVELOPMENT DEPARTMENT, CITY OF OTTAWA

APPROVED
 By Lily Xu at 1:20 pm, Jun 11, 2019



NOTES:

THE FOLLOWING PROTECTION MEASURES MUST BE IMPLEMENTED FOR RETAINED TREES, BOTH ON SITE AND ADJACENT SITES, PRIOR TO ANY TREE REMOVAL OR SITE WORKS AND MAINTAINED FOR THE DURATION OF CONSTRUCTION ON SITE.

- UNDER THE GUIDANCE OF AN ARBORIST, ERECT A FENCE AT THE CRITICAL ROOT ZONE (CRZ) OF TREES WHERE THE CRZ IS ESTABLISHED AS BEING 10 CENTIMETERS FROM THE TRUNK FOR EVERY CENTIMETER OF TRUNK DIAMETER AT BREAST HEIGHT. THE CRZ IS CALCULATED AS DBH x 110cm.
- DO NOT PLACE ANY MATERIAL OR EQUIPMENT WITHIN THE CRZ OF THE TREE.
- DO NOT ATTACH ANY SIGNS, NOTICES OR POSTERS TO ANY TREE.
- DO NOT RAISE OR LOWER THE 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 OR ANY TREE.
- ENSURE THAT EXHAUST FUMES FROM ALL EQUIPMENT ARE NOT DIRECTED TOWARDS ANY TREE CANOPY.

SITE DESCRIPTION:
 THE SITE INCLUDES AN EXISTING SINGLE STORY COMMERCIAL BUILDING WITH ASPHALT ACCESS DRIVE AND PARKING AREAS AND CONCRETE PATHWAYS. EXISTING TREES APPEAR TO HAVE BEEN PLANTED AS PART OF THE ORIGINAL COMMERCIAL DEVELOPMENT AND ARE LOCATED IN EXISTING TRAFFIC ISLANDS AND GRASS VERGES. ADJACENT TO THE SITE ON THE WEST SIDE OF OTHELLO IS AN AVENUE OF MATURE LITTLE LEAF LINDEN TREES.

THE TOPOGRAPHY OF THE SITE IS GENERALLY FLAT AND THE AREA IS SURROUNDED BY EXISTING COMMERCIAL TO THE NORTH AND SOUTH, RESIDENTIAL TO THE WEST AND INSTITUTIONAL (SCIENCE AND TECH MUSEUM) TO THE EAST. THE SITE IS NOT CONSIDERED OF PRIMARY OR SUPPORTING SIGNIFICANCE AS NATURAL LANDS IN THE GREENSPACE MASTER PLAN.


GENERAL NOTES:
 CURRENT SITE BOUNDARY / AREA IS 6955m². THIS DEVELOPMENT PROPOSES THE FOLLOWING:

- EXISTING CONDITIONS**
- APPROXIMATELY 464m² OF EXISTING BUILDING
 - APPROXIMATELY 5896m² OF EXISTING HARD / NON-PERMEABLE PAVING
- PROPOSED DEVELOPMENT**
- APPROXIMATELY 2166m² OF NEW BUILDING FOOTPRINT
 - APPROXIMATELY 1579m² OF NEW HARD / NON-PERMEABLE PAVING
- DEVELOPMENT TOTALS**
- APPROXIMATELY 2166m² TOTAL BUILDING FOOTPRINT AREA
 - APPROXIMATELY 3112m² TOTAL HARD / NON-PERMEABLE PAVING
 - PLANTING OF 67 NEW DECIDUOUS TREES
 - PLANTING OF 01 NEW CONIFEROUS TREES

THE PROPOSED DEVELOPMENT REQUIRES THE REMOVAL OF 11 TREES. THE LOCATION FOR NEW TREE PLANTING HAS BEEN DETERMINED TO ALLOW FOR MAXIMUM SOIL VOLUMES AND MINIMAL CONFLICTS WITH UNDERGROUND STRUCTURES TO ALLOW FOR THE ESTABLISHMENT OF LARGE MATURE TREES IN THE 'POPS' SPACE AND AVENUE TREE PLANTING ALONG THE NORTH AND WEST BOUNDARIES OF THE SITE. REFER TO THE LANDSCAPE PLAN FOR PROPOSED TREE SPECIES.

No.	Revision	Date
2	RE-ISSUED FOR SPC	01 FEB 2019
1	ISSUED FOR SPC	08 NOV 2018

North: _____ Stamp: _____



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- All measurements in millimeters unless specified otherwise. Do not scale drawing. All drawings to be read in conjunction with written specifications.
- Copyright reserved. This drawing is the exclusive property of CSW Landscape Architects Ltd. and shall not be used without the consent thereof.
- This Drawing may not be used for construction until signed by the landscape architect. It is the responsibility of the contractor to:
 - check and verify all dimensions on site;
 - report all errors and/or omissions to the landscape architect;
 - comply with all pertinent codes and by-laws;
 - check and verify locations of all underground services with all local utilities prior to any digging.

Project: **ELMVALE ACRES REDEVELOPMENT - PH I**

OTTAWA, ONTARIO

Drawing: **TREE CONSERVATION PROPOSED DEVELOPMENT**

Scale: 1:200	Date: SEPT 2018
Design By: SE	Drawn By: SE
Project Number: 1907-02	Sheet Number: TCR 1.1

TREE CONSERVATION - FIELD NOTES							
Tree #	Botanical Name	Common Name	Caliper (cm)	Condition	High Quality Tree	Rare Tree	To Be Preserved
1	Tilia Cordata	Littleleaf Linden	22cm	Good	N	N	Symmetrical Canopy
2	Acer Ginnala	American Maple	8-12cm	Moderate	N	N	Asymmetrical Canopy, Pruned, Die-back ~10%, Crossed branches, Multi stem: 5 @ 18-22cm, Bark rot @ limbs
3	Acer Ginnala	American Maple	8-15cm	Moderate	N	N	Asymmetrical Canopy, Die-back ~15%, Crossed branches, Multi stem: 5 @ 8-15cm, Bark rot @ limbs
4	Acer Ginnala	American Maple	10-15cm	Moderate	N	N	Asymmetrical Canopy, Die-back ~10%, Multi stem: 4 @ 10-15cm, Bark rot @ limbs
5	Acer Ginnala	American Maple	12-15cm	Poor	N	N	Asymmetrical Canopy, Die-back ~40%, Pruned heavily, Poor branch union, Crossed branches, Multi stem: 4 @ 12-15cm, heart rot and bark rot
6	Acer Ginnala	American Maple	8-15cm	Poor	N	N	Asymmetrical Canopy, Die-back @ 40%, Pruned heavily, Multi stem: 5 @ 8-15cm, Crossed branches, Heart rot & Bark rot
7	Acer Platanoides 'Columnare'	Columnar Norway Maple	28cm	Poor	N	N	Asymmetrical Canopy, Die-back ~20% @ crown, Rot @ limbs
8	Acer Platanoides 'Columnare'	Columnar Norway Maple	25cm	Poor	N	N	Asymmetrical Canopy, Die-back ~50% @ roadside, Rot @ trunk & limbs, Damage @ base
9	Acer Platanoides 'Columnare'	Columnar Norway Maple	13-15cm	Moderate	N	N	Asymmetrical Canopy, Die-back ~10%, Broken limbs, Pruned, Poor branch angle, Co-dominant leaders 2 @ base, Heart rot @ trunk
10	Acer Platanoides 'Columnare'	Columnar Norway Maple	18cm	Poor	N	N	Symmetrical Canopy, Die-back ~40% @ crown, Broken limbs, Rot @ limbs

11	Prunus virginiana	Virginia Chokecherry	15cm	Good	N	N	Symmetrical Canopy, Included bark
12	Picea Pungens	Blue Spruce	18cm	Moderate	N	N	Symmetrical Canopy, Die back ~10% @ lower & inner branches, Broken limbs, Damage @ base
13	Ulmus	Elm	10-20cm	Moderate	N	N	Die back ~15% @ lower branches, Poor branch angle, Co-dominant leaders 2 @ 10 & 20cm ~.450m above grade, Crossed branches, Pest infestation
14	Ulmus	Elm	8-15cm	Moderate	N	N	Asymmetrical Canopy (next to light column), Die back ~20% @ lower limbs, Co-dominant leaders 7 @ base
15	Tilia Cordata	Littleleaf Linden	20cm	Good	N	N	Symmetrical Canopy
16	Tilia Cordata	Littleleaf Linden	18cm	Good / Moderate	N	N	Asymmetrical Canopy, Die back ~10% @ crown, Heavier growth on north side
17	Tilia Cordata	Littleleaf Linden	15cm	Moderate	N	N	Symmetrical Canopy, Die back ~30% @ crown, Crossed branches
18	Tilia Cordata	Littleleaf Linden	38cm	Good	N	N	Symmetrical Canopy, Die back ~5% @ crown, Crossed branches
19	Tilia Cordata	Littleleaf Linden	71cm	Good	N	N	Symmetrical Canopy, Trunk is leaning
20	Tilia Cordata	Littleleaf Linden	51cm	Good / Moderate	N	N	Asymmetrical Canopy, Pruned, O.H. Util
21	Tilia Cordata	Littleleaf Linden	40cm	Poor	N	N	Asymmetrical Canopy, Pruned O.H. Util, Heart rot @ trunk & cavities, Included bark, damage @ base
22	Tilia Cordata	Littleleaf Linden	58cm	Good	N	N	Symmetrical Canopy
23	Pinus strobus	White Pine	38cm	Good / Moderate	N	N	Asymmetrical Canopy, Pruned lower limbs, O.H. Util, 1 dead lower limb