



SITE DESCRIPTION:

THE SITE INCLUDES AN EXISTING 2-STORY OFFICE BUILDING WITH ASPHALT ACCESS DRIVE AND PARKING AREAS AND UNIT PAVED PATHWAYS. THE ENTRANCE AREAS AND PERIMETER OF THE EXISTING BUILDING ARE MAINTAINED AS MOWN GRASS LAWNS WITH MATURE CONIFERS WITH PERIMETER AREAS OF UNMAINTAINED WOODLOT TO THE WEST AND SOUTH OF THE SITE. THE SITE IS GENERALLY FLAT WITH A SHORT BANK ALONG THE SOUTHERN BOUNDARY AT AKERSON ROAD AND THE ASPHALT MUP.

THE SOUTHERN BOUNDARY OF THE SITE IS BORDERED BY A 5-8m WIDE STRIP OF MOWN GRASS BETWEEN THE WOODLOT EDGE AND EXISTING MULTI-USE PATHWAY.

THE SURROUNDING DEVELOPMENT INCLUDES A MIX OF COMMERCIAL AND RESIDENTIAL DEVELOPMENT TO THE NORTH AND EAST ALONG EAGLESON ROAD WITH RESIDENTIAL DEVELOPMENT AND KRISTINA KISS PARK EXTENDING TO THE WEST. THE ADJACENT LOT TO THE EAST (10 COPE DR.) IS A PROPOSED COMMERCIAL DEVELOPMENT BY OTHERS.

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 20,699m². THIS DEVELOPMENT PROPOSES THE FOLLOWING:

EXISTING CONDITIONS

- APPROXIMATELY 1,394m² OF EXISTING BUILDING
- APPROXIMATELY 6,936m² OF EXISTING HARD / NON-PERMEABLE PAVING

PROPOSED DEVELOPMENT

- APPROXIMATELY 1,455m² OF NEW BUILDING
- APPROXIMATELY 5,169m² OF NEW HARD / NON-PERMEABLE PAVING

DEVELOPMENT TOTALS

- APPROXIMATELY 2,849m² TOTAL BUILDING AREA
- APPROXIMATELY 9,421m² TOTAL HARD / NON-PERMEABLE PAVING
- PLANTING OF 60 NEW DECIDUOUS TREES
- PLANTING OF 40 NEW CONIFEROUS TREES

THE PROPOSED DEVELOPMENT REQUIRES THE REMOVAL OF APPROX. 6135m² WOODLOT. THE LOCATION FOR NEW TREE PLANTING HAS BEEN DETERMINED TO ALLOW FOR MAXIMUM SOIL VOLUMES AND MINIMAL CONFLICTS TO ALLOW FOR THE ESTABLISHMENT OF LARGE MATURE TREES TO OVER A LONG PERIOD OF TIME.

LEGEND:

- CRITICAL ROOT ZONE (CRZ)
- EXISTING DECIDUOUS TREE
- EXISTING CONIFEROUS TREE
- EXISTING VEGETATION AREA

VEGETATION AREAS:

AREA A: (APPROX. 8,460 m²)

SPECIES DISTRIBUTION:

THERE IS EVIDENCE (GOOGLE EARTH, AND REMAINING DEAD TREES AND STUMPS) THAT THE ORIGINAL WOODLOT INCLUDED APPROX 40% FRAXINUS SPECIES (ASH) THAT HAVE RECENTLY DIED AND/OR BEEN REMOVED. THE REMAINING SPECIES DISTRIBUTION IS AS FOLLOWS:

60% ACER NEGUNDO (MANITOBA MAPLE)
20% POPULUS SPECIES (POPLAR)
10% ACER NEGUNDO (SILVER MAPLE)
10% SALIX SPECIES (WILLOW)
<5% PINUS RESINOSA (RED PINE)
<5% PICEA GLAUCA (WHITE SPRUCE)

SIZE AND DENSITY:
THE SILVER MAPLES AND WILLOW TREES ARE THE LARGEST TREES IN THIS AREA GENERALLY RANGING 40-80cm IN DIAMETER WITH THE MAPLES HAVING CO-DOMINANT STEMS FROM THE BASE. TREE OCCURRENCE IS NOT EVENLY SPACED AS THERE IS EVIDENCE THAT A LARGE NUMBER OF TREES WITHIN THE WOODLOT HAVE DIED/BEN REMOVED. THE SILVER MAPLE ARE GENERALLY IN THE NORTHWEST CORNER OF THE AREA.

THE UNDERSTORY GROWTH IS THICK WITH PREDOMINANTLY MANITOBA MAPLE SAPLINGS.

AREA B: (APPROX. 280 m²)

SPECIES DISTRIBUTION:
TREE NOS. 10 - 14 ARE INCLUDED IN THIS AREA (MATURE PINE AND SPRUCE) WITH A DENSE UNDERSTORY OF MANITOBA MAPLE SAPLINGS AND SHRUB SPECIES.

REFER TO TREE TABLE BELOW.

AREA C: (APPROX 1,715 m²)

SPECIES DISTRIBUTION:

80% POPULUS SPECIES (POPLAR)
10% ACER NEGUNDO (MANITOBA MAPLE)
10% PINUS RESINOSA (RED PINE)
<5% PICEA GLAUCA (WHITE SPRUCE)

NOTES:
THERE ARE 6 LARGER POPLAR IN THIS AREA RANGING 35-40 cm IN DIAMETER AND APPROX. 20 SMALLER POPULUS SPECIES AT 15-20cm DBH. TREE SPACING IS APPROX 3-4m APART. THE UNDERSTORY CONSISTS OF SAPLINGS OF SIMILAR SPECIES WITH A LARGE PERCENTAGE OF MANITOBA MAPLE, PINE AND SPRUCE SPECIES ARE LOCATED AT THE PERIMETER EDGE. THERE ARE 7 DEAD TREES WITHIN THE WOODLOT (APPEAR TO BE ASH FORM).

TREE #	BOTANICAL NAME	COMMON NAME	CALIPER (cm)	CONDITION	HIGH QUALITY TREE	RARE TREE	COMMENTS	TO BE PRESERVED
1	Picea glauca	White Spruce	22	Good	No	No	Co-dominant stem at 4m, some die back & thinner branches on blg. side	Yes
2	Picea glauca	White Spruce	20	Good	No	No	Some die back and thinner branches on west side of tree.	Yes
3	Picea pungens	Colorado spruce	18	Good	No	No	Some die back and thinner branches on west side of tree.	Yes
4	Picea pungens	Colorado spruce	17	Good	No	No	Some die back on lower branches.	Yes
5	Picea pungens	Colorado spruce	16	Good	No	No	Some die back on lower branches.	Yes
6	Picea pungens	Colorado spruce	18	Mod./Good	No	No	Significant die back on lower branches due to shrub growth at ground level.	Yes
7	Malus species	Croapple	15	Moderate	No	No	Some die back on lower branches	Yes
8	Malus species	Croapple	12	Mod./Poor	No	No	Slight lean, some die back in crown	No
9	Malus species	Croapple	15	Poor	No	No	Significant lean, significant die back, split in trunk	No
10	Pinus resinosa	Red pine	25	Good	No	No	Co-dom. stem at 10m, die back lower branches due to shrub growth below	Yes
11	Pinus resinosa	Red pine	18	Good	No	No	Die back lower branches due to shrub growth below	Yes
12	Picea pungens	Colorado spruce	22	Good	No	No	Die back lower branches due to shrub growth below	Yes
13	Picea pungens	Colorado spruce	25	Good	No	No	Die back lower branches due to shrub growth below	Yes
14	Picea pungens	Colorado spruce	25	Good	No	No	Die back lower branches due to shrub growth below	Yes

0 5 10 20 35 60 Meters

04 ISSUED FOR SPA 12/18/2018

03 ISSUED FOR SPA 11/09/2018

02 ISSUED FOR REVIEW 27/07/2018

01 ISSUED FOR REVIEW 24/07/2018

No.	Revision	Date

North: Stamp:

CSW

Landscape Architecture
Urban Design
Site Planning
Recreation and Park Planning
Project Management

319 McRae Avenue, Suite 502, Ottawa, Ontario K1Z 0B9
Tel: (613) 729-4536

1. All measurements in millimeters unless specified otherwise.
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• 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: **CCR WAREHOUSE ADDITION & OFFICE RENO**

20 COPE DRIVE, KANATA, ON OTTAWA, ONTARIO

Drawing: **TREE CONSERVATION PLAN EXISTING CONDITIONS**

Scale:	Date:
1:250	JULY 2018

Design By:	Drawn By:
SE	SE

Project Number:	Sheet Number:
1998-01	TCP 1.0

PLAN NO.: 14050