

EXISTING VEGETATION SCHEDULE

TREE ASSESSMENT CONDUCTED: <u>SEPTEMBER 12 & 18, 2018</u>

LANT ID	BOTANICAL NAME	COMMON NAME	DBH (cm)	HEALTH/ CONDITION	REMARKS			
1	Pinus strobus	White Pine	55	Good	2590 Carp Rd; TO BE PROTECTED			
2	Picea glauca	White Spruce	80	Poor	Main leader / trunk is broken approximately 7.0m from ground ; TO BE REMOVED			
3	Larix Iaricina	Tamarack	35	Good	Will be impacted by new entrance; TO BE REMOVED			
4	Acer negundo	Manitoba Maple	15	Good	Multistem part of a grouping with understorey; Will be impacted by new entrance; TO BE REMOVED			
5	Salix nigra	Black Willow	70	Good	Will be impacted by new entrance; TO BE REMOVED			
6	Salix nigra	Black Willow	2x60	Good	Multistem; TO BE PROTECTED			
7	Salix nigra	Black Willow	60	Good	TO BE PROTECTED			
	Betula papyrifera	White Birch			Grouping; TO BE PROTECTED			
	Populus tremuloides	Trembling Aspen	- - 10-35 God -					
8	Acer negundo	Manitoba Maple		Good to Fair				
	Rhus typhina	Staghorn Sumac						
	Salix Spp	Willow						
	Salix nigra	Black Willow		Good to Fair	Grouping; TO BE PROTECTED			
	Acer negundo	Manitoba Maple	- 15-30					
9	Thuja occidentalis	Eastern White Cedar						
	Ulmus americana	American Elm						
	Fraxinus americana	White Ash						
	Populus tremuloides	Trembling Aspen						
	Ulmus americana	American Elm	10-15; 50(elms)	Good to Poor	Hedgerow; Presence of Emerald Ash Borer (EAB); TREES INSIDE PROPERTY LINE TO BE REMOVED			
10	Acer negundo	Manitoba Maple						
	Malus spp	Apple						
	Fraxinus americana	White Ash						
11	Acer negundo	Manitoba Maple	25	Good	Will be impacted by new access road and plant area; TO BE REMOVED			
12	Populus deltoides	Eastern Cottonwood	20	Good	Will be impacted by new access road and plant area; TO BE REMOVED			
13	Picea glauca	White Spruce	00.05	Good	Hedgerow, Will be impacted by the new plant ; TO BE REMOVED			
	Picea pungens	Colorado Spruce	20-25					
14	Quercus macrocarpa	Bur Oak	60	Good	Will be impacted by the new plant; TO BE REMOVED			
	Malus spp	Apple						
15	Ulmus americana	American Elm	10-15	Good	Will be impacted by the new plant; TO BE REMOVED			
	Acer negundo	Manitoba Maple						
16	Tilia americana	American Basswood	60	Fair to Poor	Multistem (2 stems); One stem is poor to dead with major limb damage and one stem is in fair condition; Will be impacted by the construction of the new plant; TO BE REMOVED			
17	Quercus alba	White Oak	25	Good	Growing inside an island/ Round about in the drive way; TO BE PROTECTED			
	Tilia americana	American Basswood						
	Thuja occidentalis	Northern White-cedar						
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TREE PRESERVATION NOTES

1. NO VEGETATION SHALL BE REMOVED WITHOUT MUNICIPAL WRITTEN APPROVAL

2. LOCATION OF EXISTING TREES IS FOR REFERENCE ONLY AND SHALL BE CONFIRMED BY AN ARBORIST AND SURVEYOR.

3. NO VEGETATION REMOVAL SHALL OCCUR BETWEEN APRIL 15 AND AUGUST 15 OF ANY YEAR TO PROTECT BREEDING MIGRATORY BIRDS, AS WELL AS AT RISK BAT SPECIES. SHALL TREE REMOVAL DURING THIS PERIOD BY UNAVOIDABLE, THE CONTRACTOR IS REQUIRED TO CONDUCT A NESTING SURVEY BY A REGISTERED PROFESSIONAL AVIAN BIOLOGIST TO IDENTIFY AND ENSURE NO NESTING ACTIVITIES ARE PRESENT. TREE REMOVAL WILL BE ALLOWED WITHIN FIVE (5) DAYS OF CONDUCTING THE SURVEY.

4. CONTRACTOR SHALL ENSURE THE PROTECTION OF MATURE TREES IDENTIFIED TO BE RETAINED. TREE PROTECTION FENCING SHALL BE INSTALLED AT THE CRITICAL ROOT ZONE (CRZ) OF TREES WHERE THE CRZ IS ESTABLISHED AS BEING 10 CENTIMETRES FROM THE TRUNK OF A TREE FOR EVERY CENTIMETRE OF TRUNK DIAMETER AT BREAST HEIGHT (DBH). THE CRZ IS CALCULATED AS DBH X 10 CM. TREE PROTECTION FENCING SHALL BE INSTALLED AS SPECIFIED.

5. DURING EXCAVATION EQUIPMENT MUST BE MAINTAINED WITHIN THE CONFINES OF THE WORK AREA SO AS NOT TO DISRUPT ANY TURF OR TREE ROOTS UNNECESSARILY. DO NOT PLACE ANY MATERIAL OR EQUIPMENT WITHIN THE CRITICAL ROOT ZONE (CRZ) OF ANY TREE TO BE RETAINED.

6. CONTRACTOR SHALL ENSURE THAT NO FILL WILL BE ALLOWED TO OCCUR ON THE SURFACE ABOVE THE CRITICAL ROOT ZONE (CRZ) OF TREES.

7. ALL EXCAVATED MATERIAL, INCLUDING IMPORTED MATERIAL, MUST BE REMOVED IMMEDIATELY AND NOT PLACED ON GRASS OR NEAR TREES IN ORDER TO PREVENT ROOT DAMAGE, ACCIDENTAL HITTING OF ADJACENT TREES, AND TURF DAMAGE OUTSIDE OF WORK AREA.

8. CONTRACTOR SHALL MINIMIZE SOIL COMPACTION BY KEEPING OPERATION OF MACHINERY AND EQUIPMENT CONFINED TO DESIGNATED WORK AREA.

9. CONTRACTOR SHALL KEEP A SPILL KIT ON SITE.

10. CONTRACTOR SHALL DEVELOP AN EMERGENCY RESPONSE PLAN.

11. CONTRACTOR SHALL AVOID SOIL CONTAMINATION AND FUTURE LIABILITY BY CONFINING THE OILING AND REFUELING OF MACHINERY AND EQUIPMENT TO DESIGNATED STAGING AREA.

12. NO FUEL IS TO BE STORED WITHIN THE CRITICAL ROOT ZONE (CRZ) OF ANY TREE AND EXHAUST FUMES FROM ALL EQUIPMENT MUST NOT BE DIRECTED TOWARDS ANY TREE'S CANOPY.

13. Contractor shall prevent any damage to the root system, trunk or branches of any trees to be retained on site and on ADJACENT PROPERTIES.

14. STORAGE OF EQUIPMENT AND VEHICLES WITHIN THE CRITICAL ROOT ZONE (CRZ) OF EXISTING TREES IS STRICTLY PROHIBITED.

15. WHERE LIMBS OR PORTIONS OF TREES ARE REMOVED TO ACCOMMODATE CONSTRUCTION WORK, THEY WILL BE REMOVED CAREFULLY IN ACCORDANCE WITH ACCEPTED ARBORICULTURAL PRACTICES.

BRANCHING SHALL BE REMOVED DURING A SINGLE OPERATION. THE SERVICES OF A CERTIFIED ARBORIST SHALL BE RETAINED FOR THIS TASK.

16. WHERE NECESSARY, THE TREES WILL BE GIVEN AN OVERALL PRUNING TO RESTORE THEIR APPEARANCE. NOT MORE THAN ONE THIRD OF THE TOTAL

LANDSCAPE PLAN NOTES

1. CONTRACTOR TO LOCATE AND STAKE ALL UTILITIES PRIOR TO ANY WORK ON THE SITE. DO NOT PLANT DIRECTLY ABOVE UNDERGROUND UTILITIES. REPORT ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECT FOR DIRECTION.

2. MAINTAIN A MINIMUM DISTANCE OF 2.0m FROM ALL UNDERGROUND UTILITIES.

3. NO TREES SHALL BE PLANTED UNDER OVERHEAD WIRES.

4. THE LANDSCAPE ARCHITECT MAY ADJUST THE LOCATION OF PLANTING PRIOR TO PLANTING TO MINIMIZE CONFLICTS WITH UTILITIES, DRIVEWAYS AND INTERSECTION VISIBILITY.

5. CONTRACTOR SHALL SUPPLY ALL MATERIALS IN QUANTITIES SUFFICIENT TO COMPLETE WORK SHOWN ON THESE DRAWINGS. ANY DISCREPANCIES SHALL BE REPORTED TO THE LANDSCAPE ARCHITECT FOR DIRECTION.

6. DO NOT MAKE SUBSTITUTIONS OF MATERIALS, PRODUCTS OR QUANTITIES WITHOUT PRIOR WRITTEN PERMISSION OF THE

LANDSCAPE ARCHITECT.

7. THE CONTRACTOR TO MAKE GOOD TO THE SATISFACTION OF THE LANDSCAPE ARCHITECT ANY AREAS DAMAGED BY THE WORK.

8. UPON THE COMPLETION OF WORK EACH DAY, REMOVE ALL DEBRIS, GARBAGE AND SURPLUS MATERIALS FROM THE SITE. KEEP THE SITE CLEAN AND USEABLE AT ALL TIMES.

9. ALL WORKMANSHIP AND MATERIALS (INCLUDING PLANTS) TO BE GUARANTEED FOR ONE FULL YEAR FOLLOWING FINAL ACCEPTANCE OF THE PROJECT.

10. THE CONTRACTOR SHALL REMOVE ALL T-BAR AND WOODEN TREE STAKES PRIOR TO ASSUMPTION BY THE OWNER.

11. AT THE TIME OF INSPECTION FOR ACCEPTANCE ALL TREE PITS SHALL BE CULTIVATED, FREE OR WEEDS, LEAVES, BROKEN BRANCHES AND DEBRIS.

EDING SCHEDULE

1. SEEDING SHALL BE INSTALLED MECHANICALLY WITH MULCH OVER 150mm OF TOPSOIL AND AS PER OPSS 804.

2. ALL VEGETATED SWALES TO BE SEEDED WITH THE FOLLOWING SEED MIXTURE:

30% Elymus virginicus / Virginia Wild Rye

- 25% Carex vulpinoides / Fox Sedge - 15% Carex bebbii / Bebb's Sedge - 10% Muhlenbergia mexicana / Knot-root Grass

- 10% Scirpus cyperinus / Woolgrass - 10% Panicum virgatum / Switchgrass

3. AREAS ADJACENT TO THE NEW ACCESS ROAD AND ALL DISTURBED AREAS TO BE SEEDED USING LOW MAINTENANCE LAWN MIXTURE #7104 BY OSC SEEDS OR APPROVED EQUIVALENT. DISTURBED AREAS ALSO INCLUDE THOSE AREAS OUTSIDE THE PROPERTY.



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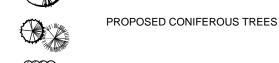
RIVERSTONE EXISTING VEGENTATION

> TEMPORARY TREE PROTECTION FENCE REFER TO DETAIL 2/L200

> > EXISTING VEGETATION TO BE REMOVED

EXISTING TREE TO BE REMOVED

PROPOSED DECIDUOUS TREES



PROPOSED SHRUB



PROPOSED PLANTING BED

APPROVED REFUSED THIS _ DAY OF ADAM BROWN, MANAGER DEVELOPMENT REVIEW RURAL DI ANNING INEPASTRUCTURE AND ECONOMIC

PLANNING, INFRASTRUCTURE AND ECONOMIC DEVELOPMENT DEPARTMENT, CITY OF OTTAWA								
1 ISSUED FOR CITY APPROVAL		LZ	ILL	18.09.19				
Revision		Ву	Appd.	YYYY.MM.DD				
File Name: 160410099-DB				18.06.05				
<u> </u>	Dwn.	Chkd.	Dsgn.	YY.MM.DD				
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Client/Project

THOMAS CAVANAGH CONSTRUCTION LIMITED 9094 CAVANAGH ROAD

2596 CARP ROAD CONCRETE BATCHING PLANT OTTAWA, ONTARIO

OVERALL SITE PLAN

Project No. 160410099 Sheet Drawing No. 1 of 2

Fraxinus sp.

Ulmus americana

American Elm