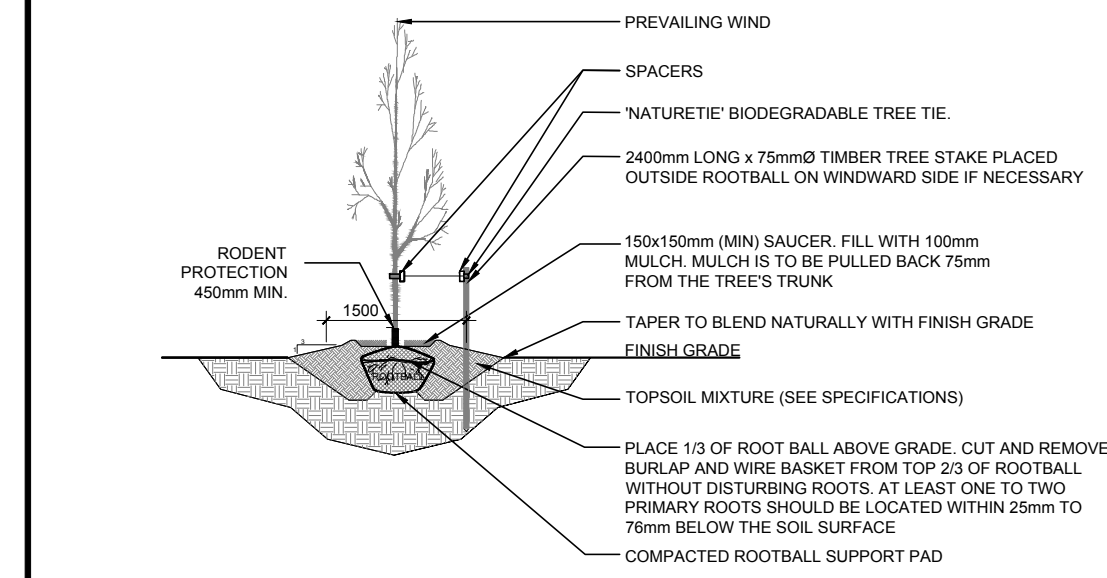
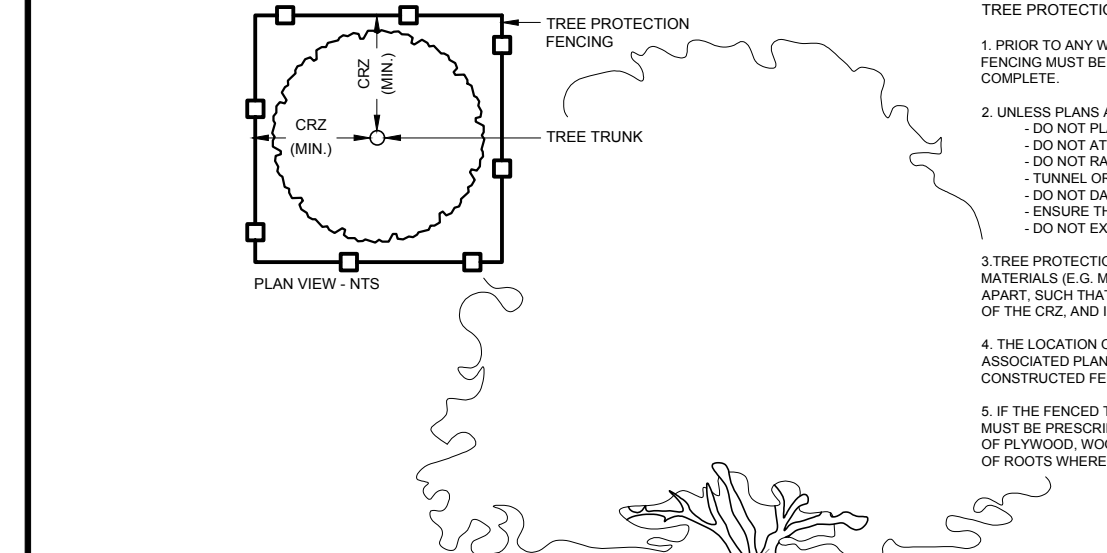


2 CONIFEROUS TREE PLANTING
SCALE NTS



NOTE:
THE "TREE CONSERVATION REPORT AND LANDSCAPE PLAN" HAS BEEN PREPARED BASED ON RECOMMENDATIONS NOTED IN THE "GEOTECHNICAL INVESTIGATION" PREPARED BY EXP SERVICES INC. 2023-07-14

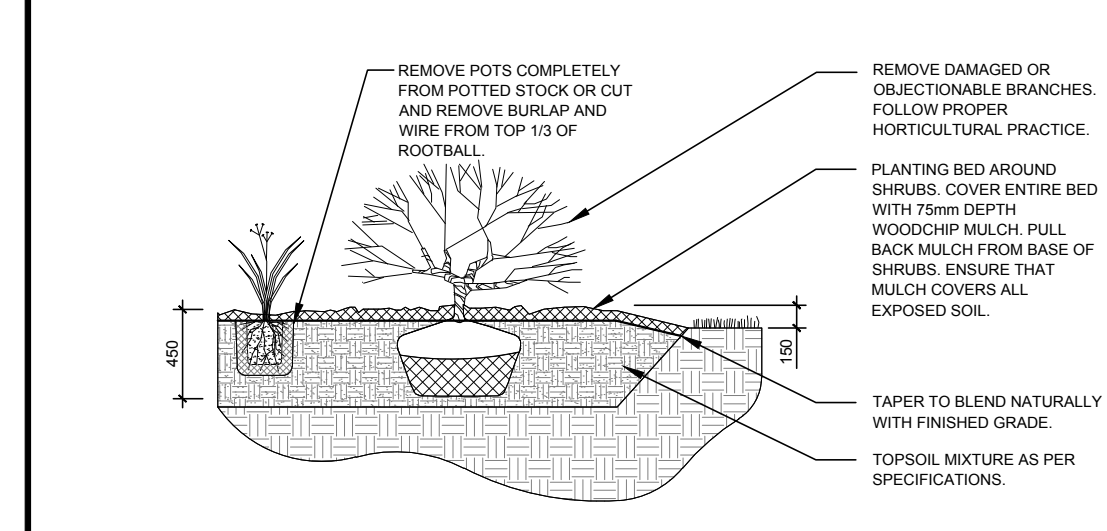
3 DECIDUOUS TREE PLANTING
SCALE NTS



TREE PROTECTION REQUIREMENTS:

- PRIOR TO ANY WORK ACTIVITY WITHIN THE CRITICAL ROOT ZONE (CRZ) ± 10x DIAMETER OF A TREE, TREE PROTECTION FENCING MUST BE INSTALLED SURROUNDING THE CRITICAL ROOT ZONE AND REMAIN IN PLACE UNTIL THE WORK IS COMPLETE.
- UNLESS PLANS ARE APPROVED BY CITY FORESTRY STAFF, FOR WORK WITHIN THE CRZ:
 - DO NOT PLACE ANY MATERIAL OR EQUIPMENT INCLUDING OUTRIGGERS.
 - DO NOT ATTACH ANY SIGNS, NOTICES OR POSTERS TO ANY TREE.
 - DO NOT TRIM OR LOWER THE TOP TWO GRADES.
 - DO NOT REMOVE BRANCHES.
 - DO NOT DAMAGE THE ROOT SYSTEM, TRUNK OR BRANCHES OR ANY TREE.
 - DO NOT EXTEND HARD SURFACE OR SIGNIFICANTLY CHANGE LANDSCAPING.
- TREE PROTECTION FENCING MUST BE AT LEAST 1.2m IN HEIGHT AND BE CONSTRUCTED OF RIGID OR FRAMED MATERIAL (E.G. MODULAR STEEL PLYWOOD PANELING OR RIGID FRAMING OR 2" X 4" WOOD FRAMING) WITH POSTS 2.4m APART. SUCH THAT THE FENCE LOCATION CANNOT BE ALTERED. ALL SUPPORTS AND BRACING MUST BE PLACED OUTSIDE OF THE CRZ AND PROTECTION MUST MINIMIZE DAMAGE TO EXISTING ROOTS (SEE DETAIL).
- THE LOCATION OF THE TREE PROTECTION FENCING MUST BE DETERMINED BY AN ARBORIST AND DETAILED ON AN ASSOCIATED PLAN FOR THE SITE (E.G. TREE CONSERVATION REPORT, TREE ENCLOSURE REPORT, ETC.). THE PLAN AND CONSTRUCTION FENCING MUST BE APPROVED BY CITY FORESTRY STAFF PRIOR TO THE COMMENCEMENT OF WORK.
- IF THE FENCED TREE PROTECTION AREA MUST BE REDUCED TO FACILITATE CONSTRUCTION, MITIGATION MEASURES MUST BE DESIGNED BY AN ARBORIST AND APPROVED BY CITY FORESTRY STAFF. THESE MAY INCLUDE THE PLACEMENT OF PLYWOOD, WOOD CHIPS OR STEEL PLATING OVER THE ROOTS FOR PROTECTION OR THE PROPER PRUNING AND CARE OF ROOTS WHERE ENCOUNTERED.

4 TREE PROTECTION FENCE
SCALE NTS



5 SHRUB AND ORNAMENTAL GRASS PLANTING
SCALE NTS



40 YEAR CANOPY CALCULATION:

17,794 m2 site area

(36) large trees proposed (154m2 ea.)

(27) medium trees proposed / transplanted (79m2 ea.)

(8) small trees proposed / transplanted (7m2 ea.)

(2) large coniferous tree proposed (79m2 ea.)

=7,891m2 canopy cover =44.3% canopy cover

*Large trees calculated at 14m, medium & coniferous at 10m and small at 3m.

EXISTING TREE LIST

KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONDITION	REMARKS	OWNERSHIP
AB	2	<i>Abies balsamea</i>	Balsam Fir	200-250mm DBH	GOOD	To remain	2680 TENTH LINE
AN	3	<i>Acer negundo</i>	Northern White Birch	150-200mm DBH	GOOD	To remain	SEE PLAN
MA	6	<i>Maackia amurensis</i>	Amur Maackia	100mm DBH	GOOD	To remain	CITY OF OTTAWA
PC	10	<i>Pyrus calleryana</i>	Ornamental Pear	100mm DBH	GOOD	To remain	CITY OF OTTAWA
PD	1	<i>Populus deltoides</i>	Eastern Cottonwood	100mm DBH	FAIR	To remain	2680 TENTH LINE
PCG	3	<i>Picea glauca</i>	White Spruce	250-300mm DBH	GOOD	To remain	2680 TENTH LINE
SA	2	<i>Salix spp.</i>	Willow	2x200mm DBH	GOOD	To be removed	2666 TENTH LINE
TM	10	<i>Tilia mongolica</i>	Mongolian Linden	100mm DBH	GOOD	To be removed	CITY OF OTTAWA
TO	5	<i>Thuja occidentalis</i>	Eastern White Cedar	150mm DBH	GOOD	To be removed	2666 TENTH LINE

BY-LAWS:

ALL CITY OWNED TREES ARE PROTECTED UNDER THE MUNICIPAL TREES AND NATURAL AREAS PROTECTION BY-LAW (2006-07).

PRIVATELY OWNED TREES GREATER THAN 300mm IN DIAMETER ON LOTS 1 HECTARE IN SIZE OR LESS, AND TREES GREATER THAN 300mm IN DIAMETER ON LOTS GREATER THAN 1 HECTARE, ARE PROTECTED UNDER THE URBAN TREE CONSERVATION BY-LAW (2006-07).

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EXISTING TREES TO BE TRANSPLANTED OR REPLACED AT CONTRACTOR'S DISCRETION LIST

KEY	SPECIES AND QTY
A	THREE (3) 50mm Cal. AMUR MACKIA TO BE TRANSPLANTED OR REPLACED
B	NINE (9) 50mm Cal. MONGOLIAN LINDEN TO BE TRANSPLANTED OR REPLACED
C	SEVEN (7) 50mm Cal. ORNAMENTAL PEAR TO BE TRANSPLANTED OR REPLACED

PROPOSED PLANT LIST

KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONDITION	REMARKS
TREES						
BW	6	<i>Tilia americana</i>	Basswood	60mm cal.	B&B	
CS	2	<i>Picea pungens</i>	Colorado Spruce	1800mm ht.	B&B	
FM	5	<i>Acer x freemanii</i>	Freeman's Maple	60mm cal.	B&B	
GB	5	<i>Ginkgo biloba</i>	Maidenhair Tree	60mm cal.	B&B	Male tree
HB	4	<i>Celtis occidentalis</i>	Hackberry	60mm cal.	B&B	
HL	7	<i>Gleditsia triacanthos</i> 'Shademaster'	Shademaster Honey Locust	60mm cal.	B&B	
JL	3	<i>Syringa reticulata</i>	Japanese Tree Lilac	60mm cal.	B&B	Single leader
SB	2	<i>Amenlicher canadensis</i>	Servicberry	60mm cal.	B&B	Single leader
SI	6	<i>Acer saccharinum</i>	Silver Maple	60mm cal.	B&B	
SM	14	<i>Acer saccharum</i>	Sugar Maple	60mm cal.	B&B	
SHRUBS						
AC	44	<i>Ribes alpinum</i>	Alpine Currant	800 mm ht.	Potted	1200 mm o.c.
DW	32	<i>Cornus sericea</i>	Red Osier Dogwood	800 mm ht.	Potted	1200 mm o.c.
SF	40	<i>Sorbaria sorbifolia</i> 'Sem'	Sem False Spirea	600mm ht.	Potted	1000 mm o.c.
WC	36	<i>Thuja occidentalis</i> 'Clumps'	Eastern White Cedar	200mm ht.	Potted	600 mm o.c.
ORNAMENTAL GRASSES						
KF	59	<i>Calamagrostis</i> 'Karl Foerster'	Karl Foerster Grass	250mm pot	Potted	800 mm o.c.

NOTE: ALL PROPOSED PLANTING IS ON PRIVATE PROPERTY

CLIENT
CONSEIL DES ÉCOLES CATHOLIQUES DU CENTRE-EST
Le meilleur conseil en votre main

CONSULTANTS
ARCHITECTS: **EDWARD J. CUHACI & ASSOCIATES ARCHITECTS INC.**
171 Slater St. Suite 100, Ottawa, Ontario, K1P 5H7
Tel: (613) 238-1944 Fax: (613) 238-7338 Email: ed@edjaci.com

CIVIL ENGINEERS: **wsp**
T+1 613-690-3786 M+1 613-298-5960
2811 Queensview Drive, Suite 300, Ottawa, Ontario, K2B 8K2 Canada

LEGEND

- PROPOSED PAVERS
- PROPOSED SOD
- PROPOSED SEEDED GRASS AREA
- PROPOSED ENGINEERED WOOD FIBER
- PROPOSED ASPHALT (REGULAR / HEAVY DUTY)
- EXISTING TREE TO REMAIN
- EXISTING TREE TO BE REMOVED
- REQUIRED SOIL VOLUME
- PROPOSED DECIDUOUS TREE
- REQUIRED SOIL VOLUME
- EXISTING TREE TO BE TRANSPLANTED OR REPLACED AT CONTRACTOR'S DISCRETION
- PROPOSED CONIFEROUS TREE
- PROPOSED SHRUBS / ORNAMENTAL GRASSES
- PROPOSED 1.5m HI CHAINLINK FENCE
- PROPOSED TREE PROTECTION FENCE

- GENERAL NOTES:**
- IT IS THE RESPONSIBILITY OF THE APPROPRIATE CONTRACTOR OR OFFICIAL TO REPORT ANY ERRORS, OMISSIONS OR DISCREPANCIES ON THIS PLAN WITH ACTUAL SITE CONDITIONS TO THE LANDSCAPE ARCHITECT BEFORE PROCEEDING WITH CONSTRUCTION.
 - THE CONTRACTOR IS TO NOTIFY ALL UTILITY COMPANIES AND AUTHORITIES PRIOR TO ANY EXCAVATION AND ASCERTAIN LOCATIONS OF UNDERGROUND SERVICES.
 - THE CONTRACTOR IS TO RENSTATE ALL AREAS AND ITEMS DAMAGED AS A RESULT OF CONSTRUCTION ACTIVITY.
 - THE CONTRACTOR IS TO COMPLY WITH ALL PERTINENT CODES AND BY-LAWS.
 - THE CONTRACTOR IS TO MAINTAIN A POSITIVE SURFACE RUN-OFF THROUGHOUT THE ENTIRE CONSTRUCTION PERIOD.
 - THE LANDSCAPE ARCHITECT IS NOT RESPONSIBLE FOR SUBSURFACE CONDITIONS.
 - THE CONTRACTOR IS TO IDENTIFY ALL EXISTING TREES TO REMAIN ON SITE WITH THE LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION.
 - THE CONTRACTOR IS TO STAKE THE PROPOSED LOCATION OF ALL PLANT MATERIAL IN CONJUNCTION WITH THE LANDSCAPE ARCHITECT PRIOR TO EXCAVATION.
 - MINIMUM DISTANCES FOR SELECTED DECIDUOUS TREES ARE AS FOLLOWS:
 - 9.1. BUILDING FOUNDATIONS - 7.5M
 - 9.2. SIDEWALKS - 1.5M
 - 9.3. PUBLIC STREETS - 2.5M
 - 9.4. UNDERGROUND INFRASTRUCTURE - 2.0M
 - ALL TREES WITHIN 1M OF UNDERGROUND UTILITY TRENCHES ARE TO BE EXCAVATED BY HAND.
 - REMOVE ALL PROTECTIVE WRAPPING FROM TREE TRUNKS AFTER INSTALLATION.
 - STAKING OF TREES SHALL ONLY BE PERFORMED IF NECESSARY.
 - ENSURE THAT MULCH IS PULLED BACK A MINIMUM DISTANCE OF 75mm FROM BASE OF TREE TRUNK.
 - TREE REMOVAL IS NOT TO TAKE PLACE BETWEEN APRIL 15TH AND AUGUST 15TH DURING BIRD NESTING SEASON.
 - ALL EXISTING TREES TO BE TRANSPLANTED WITH A 1000mm DIA. TREE SPADE WHEN NOT IN LEAF AND WATERED AND MAINTAINED FOR 2 YEARS OR REPLACED WITH 50mm CAL. NURSERY STOCK AS PER SPECIFICATIONS.

JAMES B. LENNOX & ASSOCIATES INC.
LANDSCAPE ARCHITECTS
3332 CARLING AVE. OTTAWA, ONTARIO K2H 5A8
Tel: (613) 722-6168 Fax: (866) 343-3942

PROJECT
AVALON III ELEMENTARY SCHOOL

DRAWING
TREE CONSERVATION REPORT AND LANDSCAPE PLAN

SCALE
AS SHOWN

START DATE
MAY, 2023

PROJECT NO.
23EJC251

DRAWING NO.
L.1

PLOT SIZE ARCH-D
#19079

D07-12-23-0094