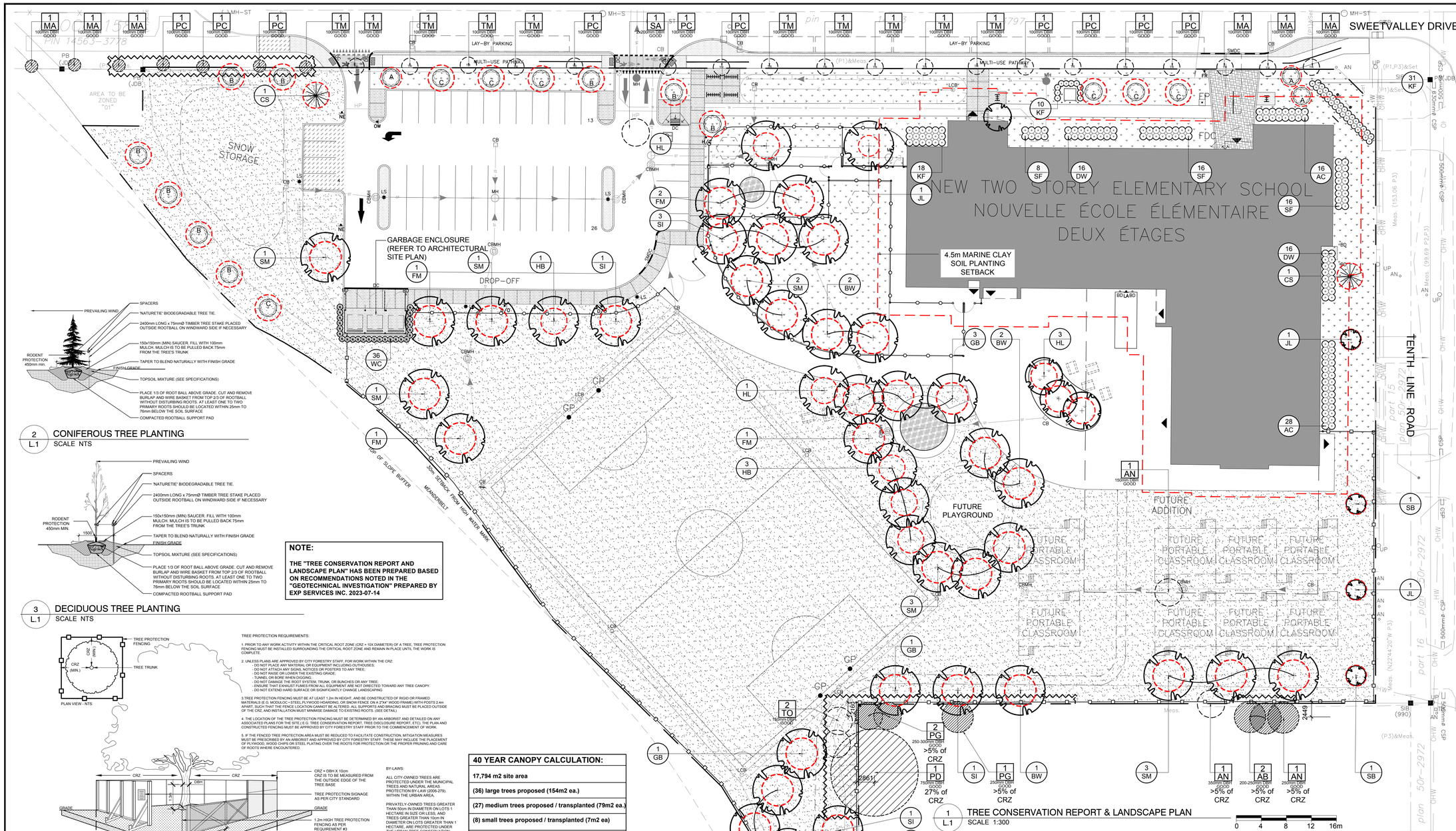


2 L.1 CONIFEROUS TREE PLANTING
SCALE NTS

3 L.1 DECIDUOUS 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

TREE PROTECTION REQUIREMENTS:

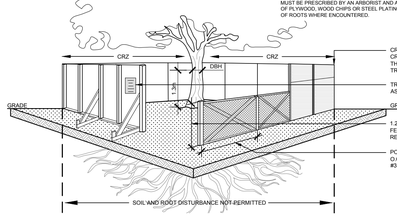
1. PRIOR TO ANY WORK ACTIVITY WITHIN THE CRITICAL ROOT ZONE (CRZ = 10X DIAMETER) OF A TREE, TREE PROTECTION FENCING MUST BE INSTALLED SURROUNDING THE CRITICAL ROOT ZONE AND REMAIN IN PLACE UNTIL THE WORK IS COMPLETE.

2. UNLESS PLANS ARE APPROVED BY CITY FORESTRY STAFF, FOR WORK WITHIN THE CRZ:
- DO NOT PLACE ANY MATERIAL OR EQUIPMENT INCLUDING OUTHOUSES;
- DO NOT ATTACH ANY SIGNS, NOTICES OR POSTERS TO ANY TREE;
- DO NOT RAISE OR LOWER THE EXISTING GRADE;
- TUNNEL OR BORE WHEN DIGGING;
- DO NOT DAMAGE THE ROOT SYSTEM, TRUNK, OR BUNCHES OR ANY TREE;
- ENSURE THAT EXHAUST FUMES FROM ALL EQUIPMENT ARE NOT DIRECTED TOWARD ANY TREE CANOPY.
- DO NOT EXTEND WOOD SURFACE OR SIGNE ICANTLY CHANGE LANDSCAPING.

3.TREE PROTECTION FENCING MUST BE AT LEAST 1.2m IN HEIGHT, AND BE CONSTRUCTED OF RIGID OR FRAMED MATERIALS (E.G. MODULITOC-STEEL, PLYWOOD HOARDING, OR SNOW FENCE ON A 2"X4" WOOD FRAME) 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 INSTALLATION MUST MINIMISE DAMAGE TO EXISTING ROOTS. (SEE DETAIL)

4. THE LOCATION OF THE TREE PROTECTION FENCING MUST BE DETERMINED BY AN ARBORIST AND DETAILED ON ANY ASSOCIATED PLANS FOR THE SITE (E.G. TREE CONSERVATION REPORT, TREE DISCLOSURE REPORT, ETC). THE PLAN AND CONSTRUCTED FENCING MUST BE APPROVED BY CITY FORESTRY STAFF PRIOR TO THE COMMENCEMENT OF WORK.

5. IF THE FENCED TREE PROTECTION AREA MUST BE REDUCED TO FACILITATE CONSTRUCTION, MITIGATION MEASURES MUST BE PRESCRIBED 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.



CRZ = DBH X 10cm
CRZ IS TO BE MEASURED FROM THE OUTSIDE EDGE OF THE TREE BASE
TREE PROTECTION SIGNAGE AS PER CITY STANDARD
GRADE
1.2m HIGH TREE PROTECTION FENCING AS PER REQUIREMENT #3
POSTS TO BE SPACED AT 2.4m O.C. MAX. AS PER REQUIREMENT #3

BY-LAWS:

ALL CITY-OWNED TREES ARE PROTECTED UNDER THE MUNICIPAL TREES AND NATURAL AREAS PROTECTION BY-LAW (2006-279), WITHIN THE URBAN AREA.

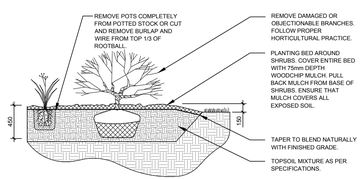
PRIVATELY-OWNED TREES GREATER THAN 50cm IN DIAMETER ON LOTS 1 HECTARE IN SIZE OR LESS, AND TREES GREATER THAN 10cm IN DIAMETER ON LOTS GREATER THAN 1 HECTARE, ARE PROTECTED UNDER THE URBAN TREE CONSERVATION BY-LAW (2009-200).

4 L.1 TREE PROTECTION FENCE
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.**

1 L.1 TREE CONSERVATION REPORT & LANDSCAPE PLAN
SCALE 1:300
0 4 8 12 16m



5 L.1 SHRUB AND ORNAMENTAL GRASS PLANTING
SCALE NTS

EXISTING TREE LIST

QTY. KEY

KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	CONDITION	REMARKS	OWNERSHIP
AB	2	*Abies balsamea*	Balsam Fir	200-250mm DBH	GOOD	To remain	2680 TENTH LINE
AN	3	*Acer negundo*	Manitoba Maple	150-350mm DBH	GOOD	See plan	SEE PLAN
MA	6	*Maackia amurensis*	Amur Maackia	100mm DBH	GOOD	See plan	CITY OF OTTAWA
PC	10	*Pyrus calleryana*	Ornamental Pear	100mm DBH	GOOD	See plan	CITY OF OTTAWA
PD	1	*Populus deltoides*	Eastern Cottonwood		FAIR	To remain	2680 TENTH LINE
PG	3	*Picea glauca*	White Spruce	250-300mm DBH	GOOD	To remain	2680 TENTH LINE
SA	2	*Salix spp.*	Willow	2x200mm DBH	GOOD	To be removed	2666 TENTH LINE
TM	10	*Tilia mongolica*	Mongolian Linden	100mm DBH	GOOD	See plan	CITY OF OTTAWA
TO	5	*Thuja occidentalis*	Eastern White Cedar	150mm DBH	GOOD	To be removed	2666 TENTH LINE

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

KEY	SPECIES AND QTY
A	THREE (3) 50mm Cal. AMUR MACKII 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

QTY. KEY

KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	CONDITION	REMARKS
TREES						
BW	6	Tilia americana	Basswood	60mm cal.	B&B	
CS	2	Picea pungens	Colorado Spruce	1800mm ht.	B&B	
FM	5	Acer x freemanii	Freeman's Maple	60mm cal.	B&B	
GB	5	Ginkgo biloba	Maidenhair Tree	60mm cal.	B&B	Male tree
HB	4	Celtis occidentalis	Hackberry	60mm cal.	B&B	
HL	7	Gleditsia triacanthos 'Shademaster'	Shademaster Honey Locust	60mm cal.	B&B	
JL	3	Syringa reticulata	Japanese Tree Lilac	60mm cal.	B&B	Single leader
SB	2	Amelanchier canadensis	Serviceberry	60mm cal.	B&B	Single leader
SI	6	Acer saccharinum	Silver Maple	60mm cal.	B&B	Single leader
SM	14	Acer saccharum	Sugar Maple	60mm cal.	B&B	
SHRUBS						
AC	44	Ribes alpinum	Alpine Currant	800 mm ht.	Potted	1200 mm o.c.
DW	32	Cornus sericea	Red Osier Dogwood	800 mm ht.	Potted	1200 mm o.c.
SF	40	Sorbaria sorbifolia 'Sem'	Sem False Spirea	600mm ht.	Potted	1000 mm o.c.
WC	36	Thuja occidentalis 'Clumps'	Eastern White Cedar	2000mm ht.	Potted	600 mm o.c.
ORNAMENTAL GRASSES						
KF	59	Calamagrostis '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 qu'un puisse vous donner

CONSULTANTS

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Fax (613) 236-1844 Telephone (613) 236-7105 E-mail info@cuhaci.com

CIVIL ENGINEERS:
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T+ 1 613-690-3786 M+ 1 613-298-5960
2611 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 Ht CHAINLINK FENCE
- PROPOSED TREE PROTECTION FENCE

GENERAL NOTES:

1. 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.
2. THE CONTRACTOR IS TO NOTIFY ALL UTILITY COMPANIES AND AUTHORITIES PRIOR TO ANY EXCAVATION AND ASCERTAIN LOCATIONS OF UNDERGROUND SERVICES.
3. THE CONTRACTOR IS TO REINSTATE ALL AREAS AND ITEMS DAMAGED AS A RESULT OF CONSTRUCTION ACTIVITY.
4. THE CONTRACTOR IS TO COMPLY WITH ALL PERTINENT CODES AND BY-LAWS.
5. THE CONTRACTOR IS TO MAINTAIN A POSITIVE SURFACE RUN-OFF THROUGHOUT THE ENTIRE CONSTRUCTION PERIOD.
6. THE LANDSCAPE ARCHITECT IS NOT RESPONSIBLE FOR SUBSURFACE CONDITIONS.
7. THE CONTRACTOR IS TO IDENTIFY ALL EXISTING TREES TO REMAIN ON SITE WITH THE LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION.
8. THE CONTRACTOR IS TO STAKE THE PROPOSED LOCATION OF ALL PLANT MATERIAL IN CONJUNCTION WITH THE LANDSCAPE ARCHITECT PRIOR TO EXCAVATION.
9. 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
10. ALL TREES WITHIN 1M OF UNDERGROUND UTILITY TRENCHES ARE TO BE EXCAVATED BY HAND.
11. REMOVE ALL PROTECTIVE WRAPPING FROM TREE TRUNKS AFTER INSTALLATION.
12. STAKING OF TREES SHALL ONLY BE PERFORMED IF NECESSARY.
13. ENSURE THAT MULCH IS PULLED BACK A MINIMUM DISTANCE OF 75MM FROM BASE OF TREE TRUNK.
14. TREE REMOVAL IS NOT TO TAKE PLACE BETWEEN APRIL 15TH AND AUGUST 15TH DURING BIRD NESTING SEASON.
15. ALL EXISTING TREES TO BE TRANSPLANTED WITH A 1000mm DIA. TREE SPADE WHEN NOT IN LEAF AN WATERED AND MAINTAINED FOR 2 YEARS OR REPLACED WITH 50mm CAL. NURSERY STOCK AS PER SPECIFICATIONS.

No.	Issue	Date MM/DD/YY	DR	CK
9	REVISED PER CITY COMMENTS	03/22/2024	ML	JL
8	ISSUED FOR TENDER	03/14/2024	ML	JL
7	REVISED PER NEW SITE PLAN	03/08/2024	ML	JL
6	REVISED PER CITY COMMENTS	02/22/2024	ML	JL
5	UPDATED PER ZONING AMENDMENT	12/15/2023	ML	JL
4	SEEDED GRASS AREAS ADDED	09/17/2023	ML	JL
3	ISSUED FOR BUILDING PERMIT	07/21/2023	ML	JL
2	ISSUED FOR 66% REVIEW	06/23/2023	ML	JL
1	ISSUED FOR SITE PLAN CONTROL	06/12/2023	ML	JL

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3332 CARLING AVE. OTTAWA, ONTARIO K2H 5A8
Tel. (613) 722-5168 Fax. 1(866) 343-3942

PROJECT
AVALON III ELEMENTARY SCHOOL

DRAWING
TREE CONSERVATION REPORT AND LANDSCAPE PLAN

STAMP
ONTARIO ASSOCIATION OF LANDSCAPE ARCHITECTS — JAMES B. LENNOX — MEMBER

SCALE
AS SHOWN

START DATE
MAY, 2023

PROJECT NO.
23EJC2351

PROJECT NORTH

DRAWING NO.
L.1

PLOT SIZE ARCH-D

D07-12-23-0094

#19079