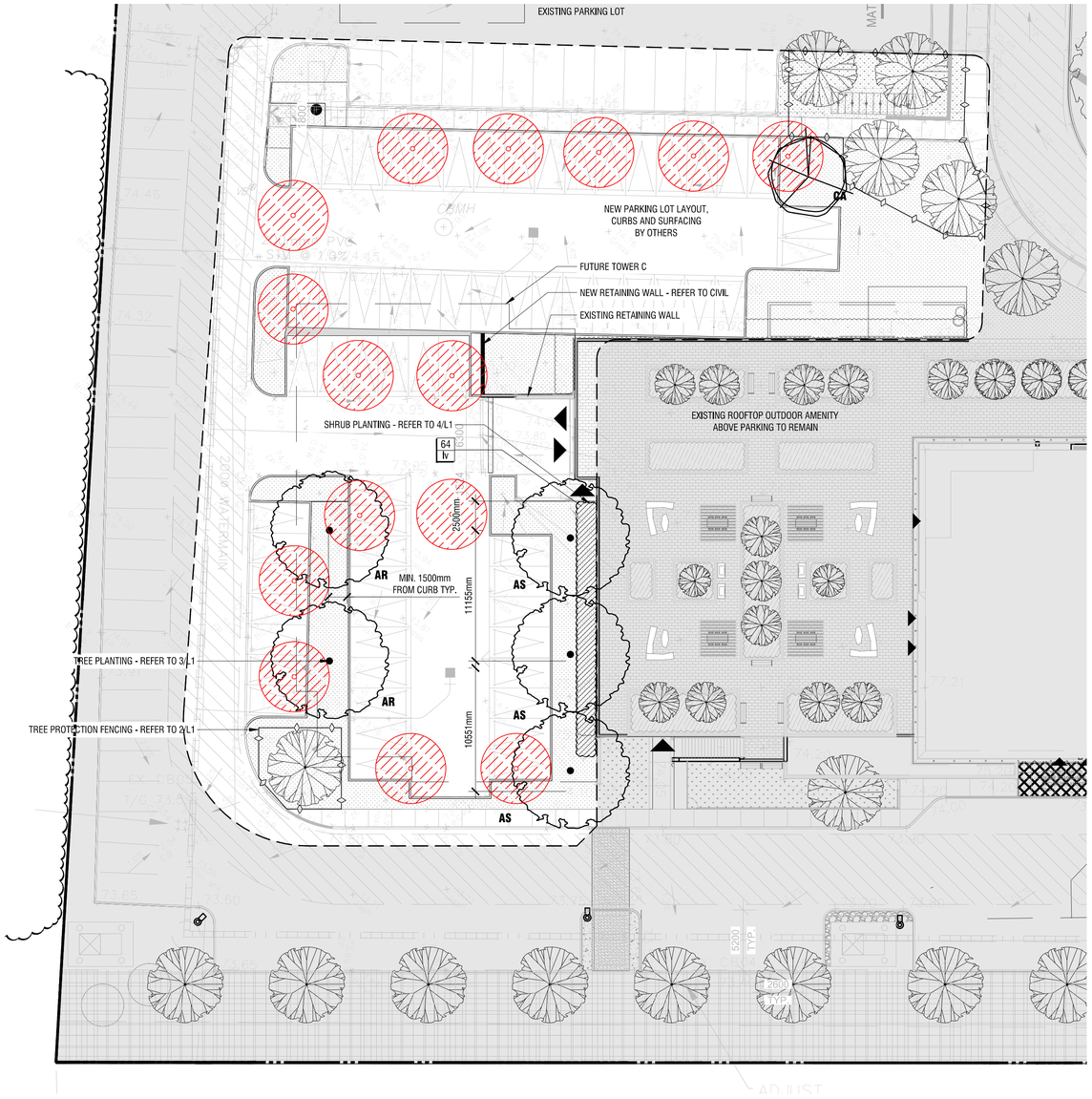


1 LANDSCAPE PLAN
L1 1:250

NOTES:

DO NOT SCALE DRAWINGS;

NOTES ARE APPLICABLE TO ALL DRAWINGS IN THE SET;

Fotenn Consultants Inc. IS NOT RESPONSIBLE FOR ACCURACY OF BASE INFORMATION;

REFER TO CIVIL ENGINEERING DRAWINGS FOR GRADING & SITE SERVICING INFORMATION;

THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING SITE CONDITIONS AND REPORTING ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECT;

THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING EXACT LOCATIONS OF ALL UNDERGROUND SERVICES AND OBTAINING CLEARANCE FROM ALL APPLICABLE UTILITIES. PROPOSED WORKS FOUND TO BE IN CONFLICT WITH UNDERGROUND SERVICES MAY BE ADJUSTED AT THE DIRECTION OF THE LANDSCAPE ARCHITECT;

LANDSCAPE ELEMENTS SHOWN ARE SUBJECT TO THE FINAL LOCATION OF UNDERGROUND SERVICES AND UTILITIES;

DO NOT INSTALL TREES ON PROPERTY / LOT LINES OR WITHIN DRAINAGE EASEMENTS;

PERFORM WORK IN ACCORDANCE WITH DETAILS AND SPECIFICATIONS;

ALL PLANT MATERIAL SHALL BE No. 1 NURSERY STOCK AND SHALL MEET OR EXCEED THE SPECIFICATION OF THE Canadian Standards for Nursery Stock, AS PUBLISHED BY THE Canadian Nursery Landscape Association;

SPECIES SUBSTITUTIONS ARE NOT PERMITTED WITHOUT PRIOR WRITTEN APPROVAL OF THE LANDSCAPE ARCHITECT;

ALL UN-PAVED SURFACES TO RECEIVE 150mm DEPTH TOPSOIL & SOD.

DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION

PLANTING SCHEDULE

KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE / CONDITION / SPACING	NATIVE SPECIES
DECIDUOUS TREES					
AR	2	Acer rubrum	Red Maple	70mm cal. / W.B.	Y
AS	3	Acer saccharum	Sugar Maple	70mm cal. / W.B.	Y
CA	1	Cornus alternifolia	Pagoda Dogwood	50mm cal. / W.B.	Y
DECIDUOUS SHRUBS					
Iv	64	Ilex verticillata	Winterberry	#3 Pot / 1.5m sp.	Y

STANDARDS FOR TREE PLANTING:

NO PLANTING ON CORNERS OR ANYWHERE WHERE IT WOULD CREATE A SIGHT LINE CONCERN;

MAINTAIN A MINIMUM DISTANCE OF 7.5m FROM ALL BUILDINGS;

MAINTAIN A RECOMMENDED DISTANCE OF 2.5m (MINIMUM 1.5m) FROM THE CURB, ANY SIDEWALK OR PRIVATE WALKWAY DECIDUOUS TREES AND 4.5m FOR CONIFEROUS TREE

MAINTAIN A MINIMUM DISTANCE OF 1.5m FOR DECIDUOUS (4.5m FOR CONIFERS) FROM ;

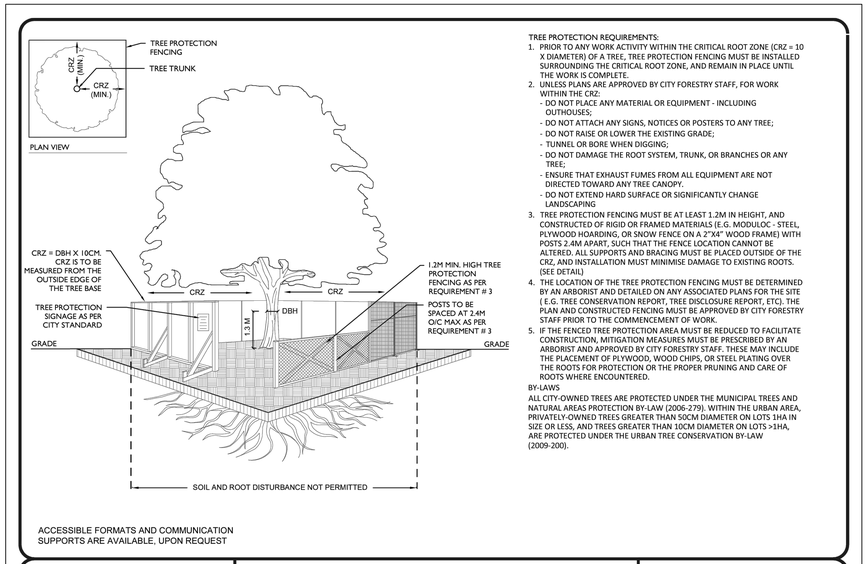
MAINTAIN A MINIMUM DISTANCE OF 2.5m FROM COMMUNITY MAILBOXES, LIGHT STANDARDS, FIRE HYDRANTS AND NO PLANTING IN FRONT OF HYDRANTS;

MAINTAIN A MINIMUM DISTANCE OF 1.0m FROM ALL UNDERGROUND SERVICES;

IMPORTANT NOTICE FOR CONTRACTOR:

THE CITY OF OTTAWA REQUIRES A Certificate of Completion (F1) Landscape Works TO BE SUBMITTED AND SEALED BY THE LANDSCAPE ARCHITECT. CONTRACTORS ARE RESPONSIBLE FOR FAMILIARIZING THEMSELVES WITH THE REQUIREMENTS OF THIS PROCESS AND PROVIDING SUFFICIENT NOTICE TO THE LANDSCAPE ARCHITECT TO CONDUCT SITE REVIEWS **DURING INSTALLATION** OF TREES. THE 1 YEAR WARRANTY PERIOD SHALL NOT COMMENCE UNTIL THE LANDSCAPE ARCHITECT HAS SUBMITTED THE F1 Certificate.

PRIOR TO INSTALLATION OF TREES, THE DEVELOPER WILL CONTACT THE PLANNING AND GROWTH MANAGEMENT AND FORESTRY SERVICES TO REVIEW THE SPECIES AND LOCATION OF TREES.



TREE PROTECTION REQUIREMENTS:

1. PRIOR TO ANY WORK ACTIVITY WITHIN THE CRITICAL ROOT ZONE (CRZ = 10 X 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 BRANCHES OR ANY TREE;
   - ENSURE THAT EXHAUST FUMES FROM ALL EQUIPMENT ARE NOT DIRECTED TOWARD ANY TREE CANOPY.
   - DO NOT EXTEND HARD SURFACE OR SIGNIFICANTLY CHANGE LANDSCAPING
3. TREE PROTECTION FENCING MUST BE AT LEAST 1.2M IN HEIGHT, AND CONSTRUCTED OF RIGID OR FRAMED MATERIALS (E.G. MODULOC - 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.

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 DIAMETER ON LOTS 1HA IN SIZE OR LESS, AND TREES GREATER THAN 10CM DIAMETER ON LOTS >1HA, ARE PROTECTED UNDER THE URBAN TREE CONSERVATION BY-LAW (2009-200).

ACCESSIBLE FORMATS AND COMMUNICATION SUPPORTS ARE AVAILABLE, UPON REQUEST

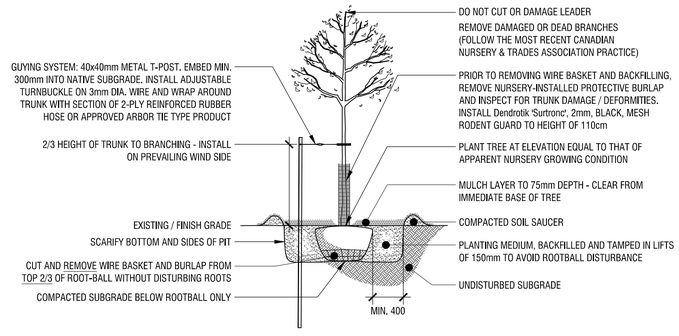
Ottawa

TREE PROTECTION SPECIFICATION

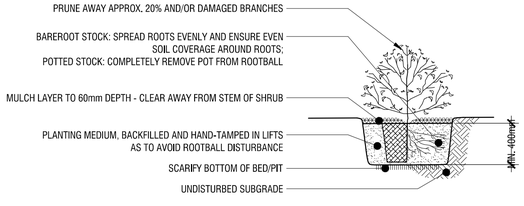
TO BE IMPLEMENTED FOR RETAINED TREES, BOTH ON SITE AND ON ADJACENT SITES, PRIOR TO ANY TREE REMOVAL OR SITE WORKS AND MAINTAINED FOR THE DURATION OF WORK ACTIVITIES ON SITE.

SCALE:	NTS
DATE:	MAY 2019
DRAWING NO.:	1 of 1

2 TREE PROTECTION FENCING
L1 NTS



3 TREE PLANTING DETAIL
L1 NTS



4 SHRUB PLANTING DETAIL
L1 NTS

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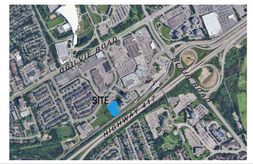

legend / légende

- PROPERTY LINE
- LIMIT OF WORK - PARKING EXPANSION
- TREE PROTECTION FENCING
- APPROXIMATE EXTENT OF EXISTING VEGETATION NOT TO BE DISTURBED
- EXISTING TREES TO REMAIN
- PROPOSED DECIDUOUS TREES
- EXISTING TREES UNDER 10cm DBH TO BE REMOVED

NOT FOR CONSTRUCTION

rev'n	description / la description	yyyy/mm/dd
03	RE-ISSUED FOR SPRA	2026-01-16
02	RE-ISSUED FOR SPRA	2025-10-23
01	ISSUED FOR SPRA	2025-08-21
00	issue for Site Plan Approval	2025-07-31

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ONTARIO ASSOCIATION OF LANDSCAPE ARCHITECTS
F. DOUGLAS FOUNTAIN
OALA
MEMBER

project / projet

LATITUDE PARKING EXPANSION

drawing / dessin

LANDSCAPE PLAN

designed / conçu	drawn / dessiné	reviewed / examiné
ST / DF	ST/ DF	DF
date	project number / No. du projet	
JULY 2025	X ##-##	

drawing number / No. du dessin

L1

PLOT INFORMATION. DWG NAME: P:\PROJECTS\Killam INSTR\305 Frontier Path Phase4\LAOT Drawings\305 Frontier-SHEET-LandscapePlan.dwg PLOT DATE: 2026-01-16 17:10:49 PM SHEET SIZE: ISO full bleed A1 (594.00 x 841.00 MM) PLOTTED BY: Sydney Truscott LAST SAVED BY: strucsdk
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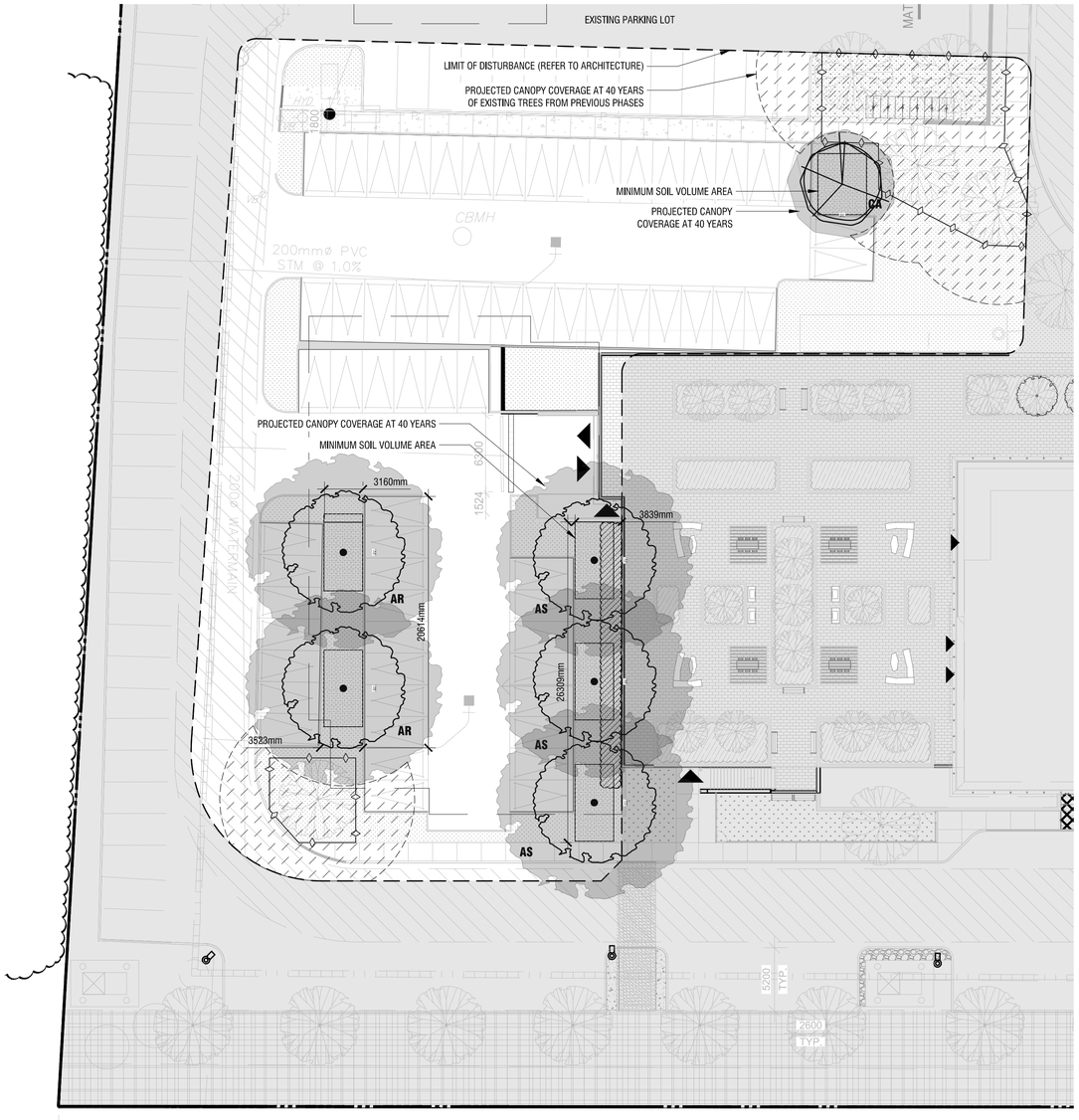

1 TREE CANOPY COVERAGE AND SOIL VOLUME
L2 1:250

PROPOSED TREE CANOPY PROJECTIONS (40 YEAR) & SOIL VOLUME REQUIREMENTS

CANOPY PROJECTIONS (NTS)	AVERAGE CROWN AREA PER TREE (m²)	QTY OF TREES	TOTAL TREE CANOPY COVERAGES	PROPOSED CANOPY COVERAGE	SOIL VOLUME REQUIREMENT*	CONTINUOUS SPACE SOIL VOLUME (i.e. 2 TREES/1 GREENSPACE)
SMALL DECIDUOUS TREE (AVG. CANOPY DIAMETER = 4.5m)	16m²	0	0m²	1,062m² EXISTING CANOPY COVERAGE	25m³ 4100mm	30m³ 8000mm 2500mm
MEDIUM DECIDUOUS TREE (AVG. CANOPY DIAMETER = 8.5m)	57m²	1	57m²	425m² SITE SIZE	30m³ 4000mm 5000mm	36m³ 10000mm 2400mm
LARGE DECIDUOUS TREE (AVG. CANOPY DIAMETER = 16m)	201m²	5	1,005m²	3,111m² TOTAL COVERAGE 1,487m² 48%	30m³ 3160mm 6300mm	36m³ 10000mm 2400mm

NOTES:

- CALCULATIONS HAVE BEEN MADE TO PROJECT A 40 YEAR HORIZON AND TYPICAL GROWTH RATES FOR ALL TREES
- PROJECTED CANOPY DIAMETERS AND AREAS ARE BASED ON AN AVERAGE OF THE TREES PROPOSED FOR THE SITE
- PROJECTED CANOPY AREAS FOR EXISTING TREES ARE BASED ON AVERAGE OF THE TREES PLANTED AS PART OF PREVIOUS PHASES
- OVERLAPPING CANOPIES AREAS FOR EXISTING TREES ARE ONLY COUNTED ONCE WHERE APPLICABLE
- CANOPY CALCULATION DOES NOT ACCOUNT FOR EXISTING TREE CANOPY ON ADJACENT SITES/IN ROW OVERLAPPING SITE
- CANOPY CALCULATIONS INCLUDE OVERLAPPING OF ADJACENT TREE CANOPIES WHERE APPLICABLE
- *SOIL VOLUME REQUIREMENT IS BASED ON THE CITY OF OTTAWA'S *'Tree Planting in Sensitive Marine Clay Soils - 2017 Guidelines' DRAFT Version 2.0 DATED JANUARY 11, 2019* WHICH CALCULATES SOIL VOLUME USING A DEPTH OF 1.5m

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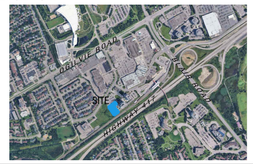

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project / projet

LATITUDE PARKING EXPANSION

drawing / dessin

Tree Canopy Coverage and Soil Volume

designed / conçu	drawn / dessiné	reviewed / examiné
ST / DF	ST/ DF	DF
date	project number / No. du projet	
JULY 2025	X ##-##	

drawing number / No. du dessin

L2

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PLOT INFORMATION: DWG NAME: P:\PROJECTS\Killam REIT\300 Frontier Path Private\LA\07 Drawings\300 Frontier-SHEET-TREES.dwg PLOT DATE: 2026-01-16 12:13:50 PM SHEET SIZE: ISO full bleed A1 (594.00 x 841.00 MM) PLOTTED BY: Sydney Truetsdale LAST SAVED BY: strueisdale