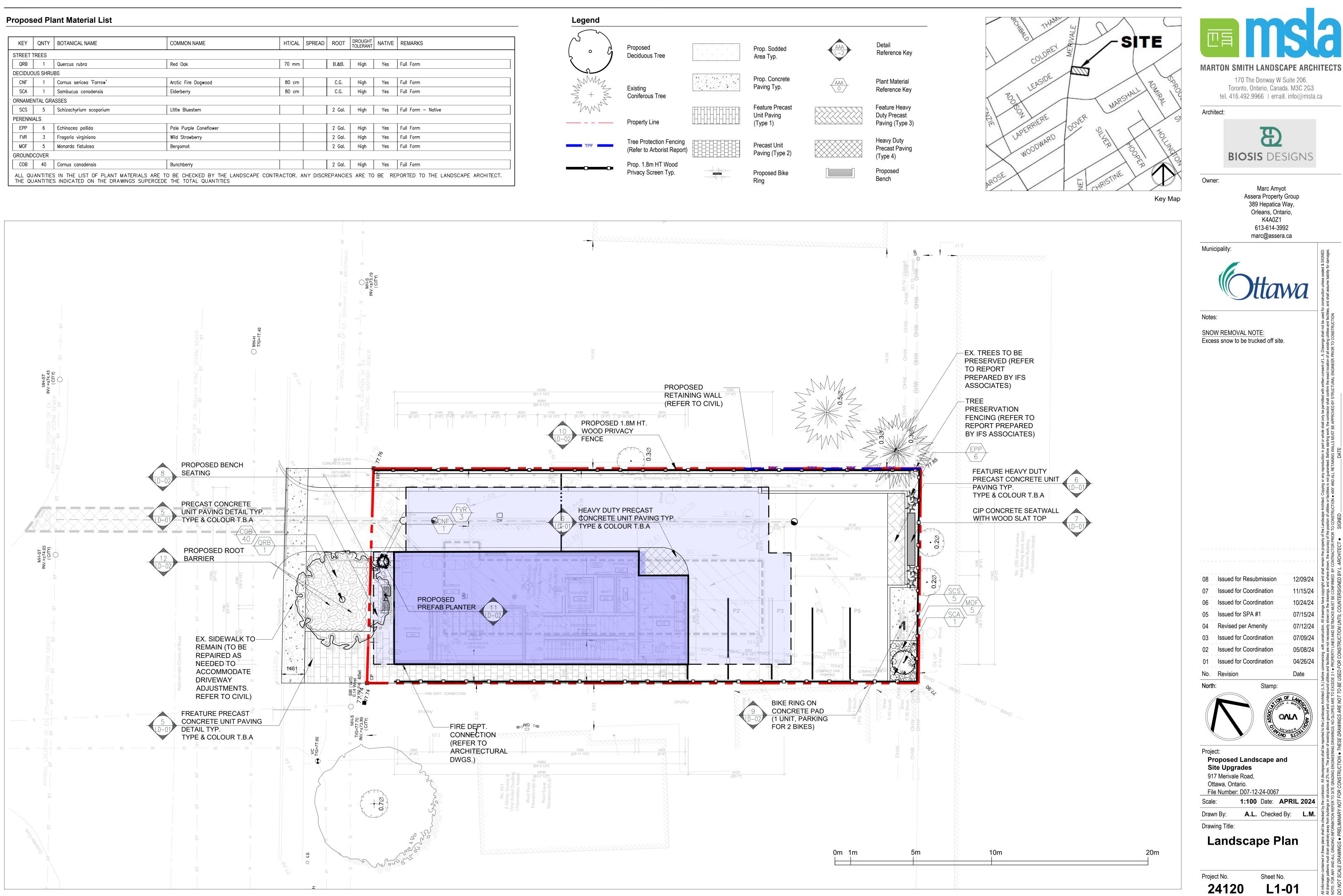
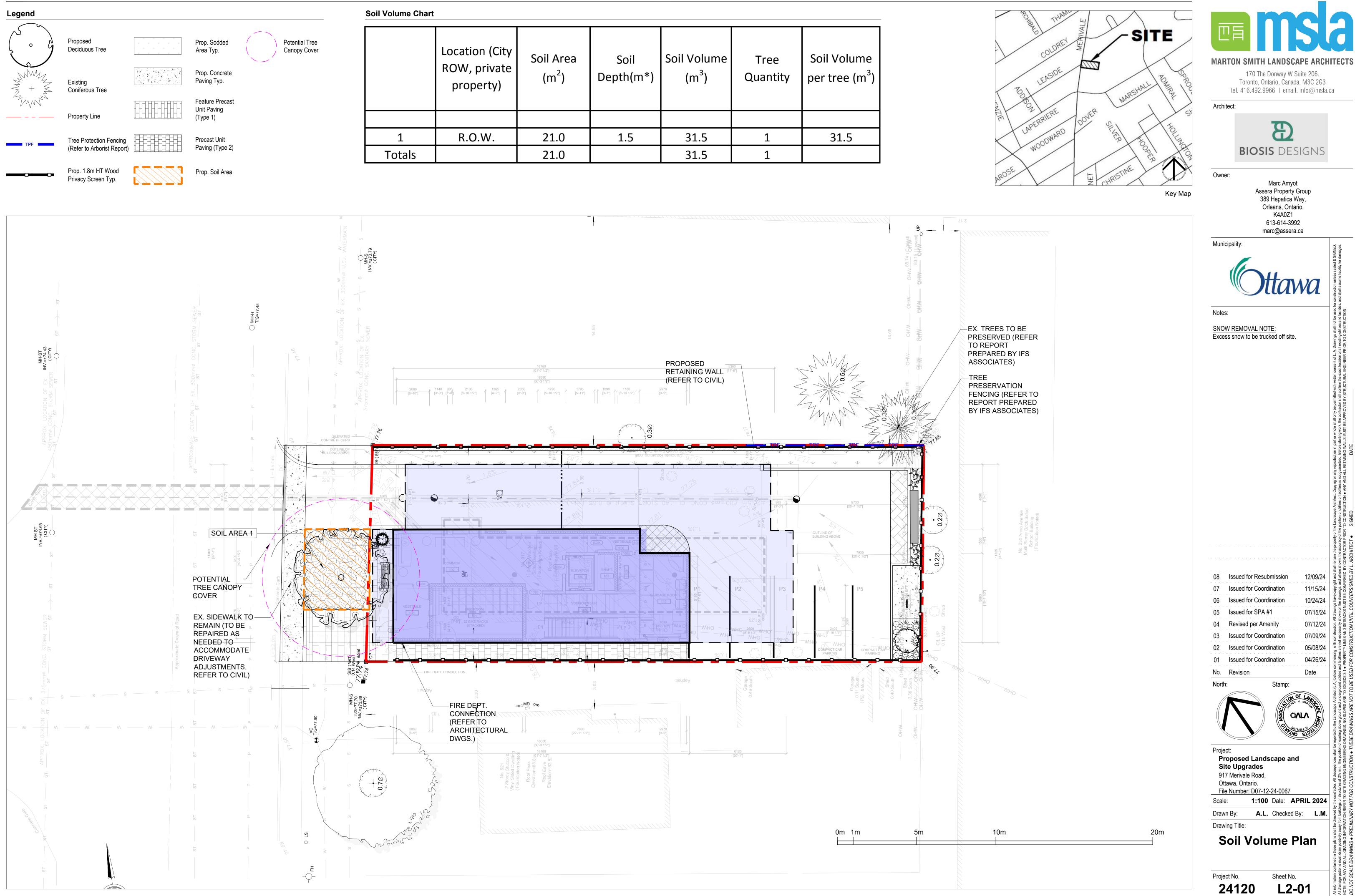
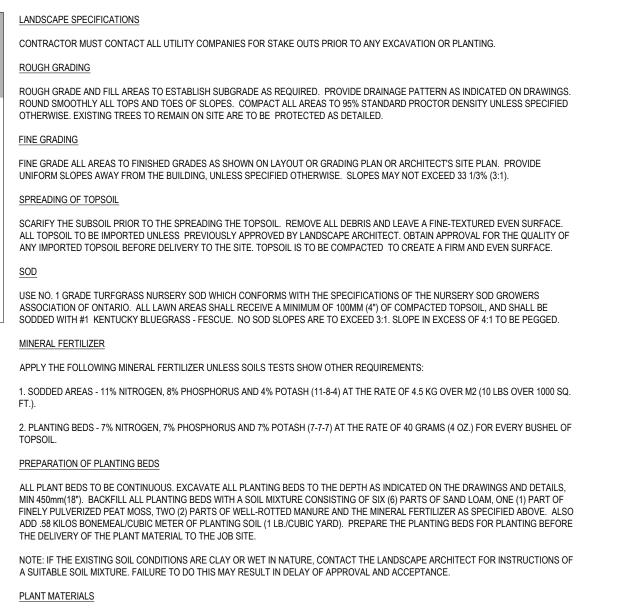
KEY	QNTY	BOTANICAL NAME	COMMON NAME	HT/CAL	SPREAD	ROOT	DROUGHT TOLERANT	NATIVE	REMARKS
STREET	TREES	·							•
QRB	1	Quercus rubra	Red Oak	70 mm		B.&B.	High	Yes	Full Form
DECIDUC	US SHRU	IBS			•		•		
CNF	1	Cornus sericea 'Farrow'	Arctic Fire Dogwood	80 cm		C.G.	High	Yes	Full Form
SCA	1	Sambucus canadensis	Elderberry	80 cm		C.G.	High	Yes	Full Form
ORNAME	NTAL GRA	ASSES			•		•		
SCS	5	Schizachyrium scoparium	Little Bluestem			2 Gal.	High	Yes	Full Form — Native
PERENN	IALS								
EPP	6	Echinacea pallida	Pale Purple Coneflower			2 Gal.	High	Yes	Full Form
FVR	3	Fragaria virginiana	Wild Strawberry			2 Gal.	High	Yes	Full Form
MOF	5	Monarda fistulosa	Bergamot			2 Gal.	High	Yes	Full Form
GROUND	COVER				••				
СОВ	40	Cornus canadensis	Bunchberry			2 Gal.	High	Yes	Full Form





Location (City ROW, private property)	Soil Area (m <sup>2</sup> )	Soil Depth(m*)	Soil Volume (m <sup>3</sup> )	Tree Quantity	Soil Volume per tree (m <sup>3</sup> )
R.O.W.	21.0	1.5	31.5	1	31.5
	21.0		31.5	1	



ALL PLANT MATERIAL SHALL CONFORM TO THE STANDARDS OF THE CANADIAN NURSERY TRADES ASSOCIATION FOR SIZE AND SPECIES.

ALL SHRUB AND TREE MATERIAL SHALL BE CONTAINER GROWN, POTTED, S/B OR B/B, UNLESS OTHERWISE NOTED. BARE ROOT PLANTING SHALL BE ACCEPTABLE FOR CERTAIN SPECIES DURING EARLY SPRING OR LATE FALL PLANTING SEASON. CONTRACTOR SHALL MAKE REQUESTS FOR ROOT CONDITION SUBSTITUTION IN WRITING TO THE LANDSCAPE ARCHITECT PRIOR TO COMMENCEMENT

OF PLANTING OPERATIONS. ALL PLANT MATERIAL TO BE CLAY GROWN STOCK UNLESS OTHERWISE NOTED.

LANDSCAPE SPECIFICATIONS

SCALE: N.T.S. DATE:



PLANT MATERIAL INSTALLATION

CONTRACTORS ASSOCIATION.

DISCREPANCIES.

INSTALLATION.

GENERAL MAINTENANCE

RODENT PROTECTION

GENERAL REQUIREMENTS

EACH SPECIMEN OR BUNDLE.

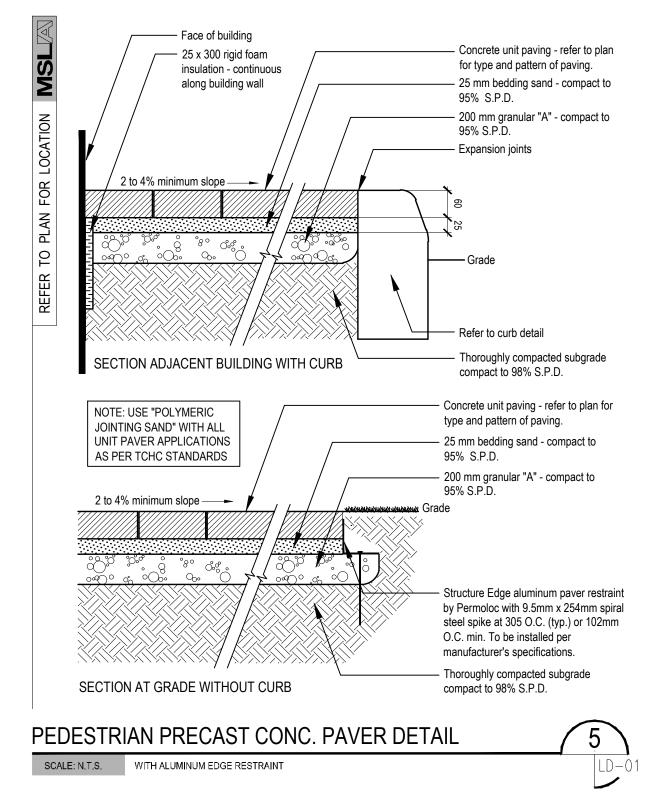
TO REVIEW ALL DOCUMENTS

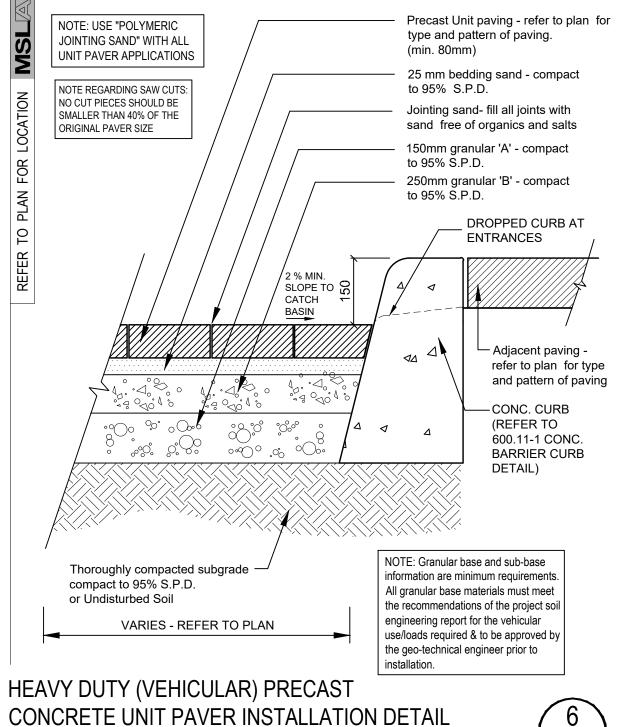
OWNER AND LANDSCAPE ARCHITECT.

GUARANTEE PERIOD

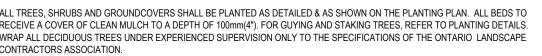
UNTIL FINAL ACCEPTANCE BY LANDSCAPE ARCHITECT.

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SCALE: N.T.S. Vehicular Detail to be approved by Civil or Geotechnical Engineer prior to construction



PLANT MATERIAL SIZES AND CONDITIONS ARE TO BE AS INDICATED ON THE LANDSCAPE DRAWING.

THE INDIVIDUAL PLANT GROUPING TOTAL AS ILLUSTRATED ON THE PLANTING PLAN SUPERSEDES THE ESTIMATED QUANTITY ON THE MASTER PLANT LIST. CONTRACTOR MUST REPORT ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECT IN WRITING BEFORE COMMENCING ANY WORK. CONTRACTOR WILL ASSUME FULL RESPONSIBILITY IF LANDSCAPE ARCHITECT IS NOT NOTIFIED OF

\* MULCH - SHREDDED PINE MULCH BY "GRO BARK" OR APPROVED EQUAL. LANDSCAPE ARCHITECT TO APPROVE MULCH BEFORE

PROPER MAINTENANCE PROCEDURES ARE TO BE FULLY ADMINISTERED FOR ALL NEWLY CONSTRUCTED LANDSCAPE WORK, IN ACCORDANCE WITH LANDSCAPE ONTARIO SPECIFICATIONS (SECTION 1E - MAINTENANCE WORK). THIS SHALL APPLY ONLY DURING THE CONSTRUCTION PERIOD, UNLESS OTHERWISE SPECIFIED. CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE OF SOD AND PLANTING

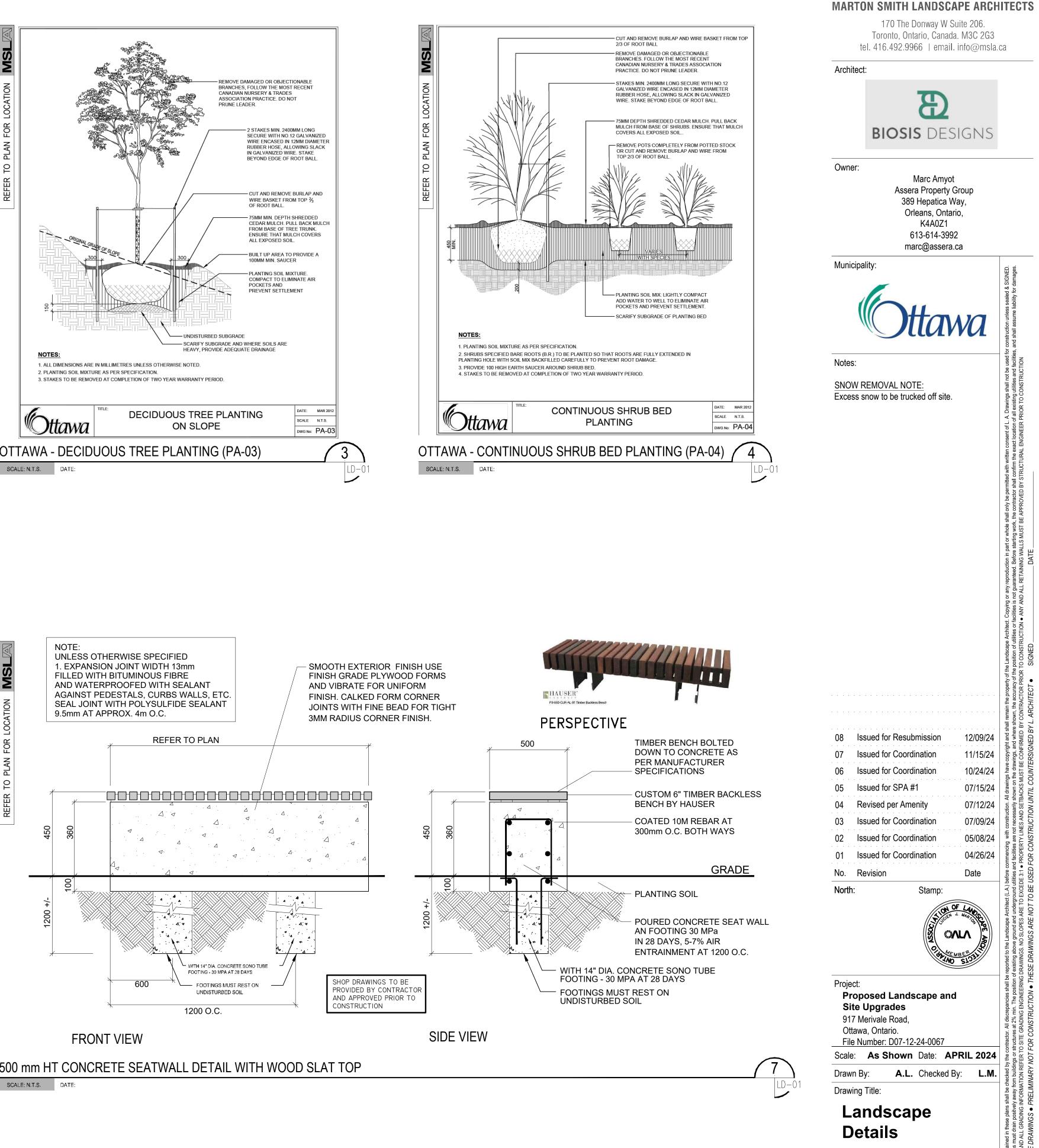
THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL TREES AND SHRUBS FOR WINTER PROTECTION AND FROM RODENT INJURY FOR THE DURATION OF GUARANTY PERIOD. PROTECTIVE GUARDS SHALL BE EMPLOYED AROUND ALL DECIDUOUS TREES. GUARDS TO BE 150MM DIA. PVC PIPE OR AS MUNICIPAL GUIDELINES. GUARDS SHALL BE INSTALLED PRIOR TO THE APPLICATION OF THE MULCH AND SHOULD BE PLACED A MINIMUM OF 50MM (2") OUT FROM THE TREE TRUNK ON ALL SIDES.

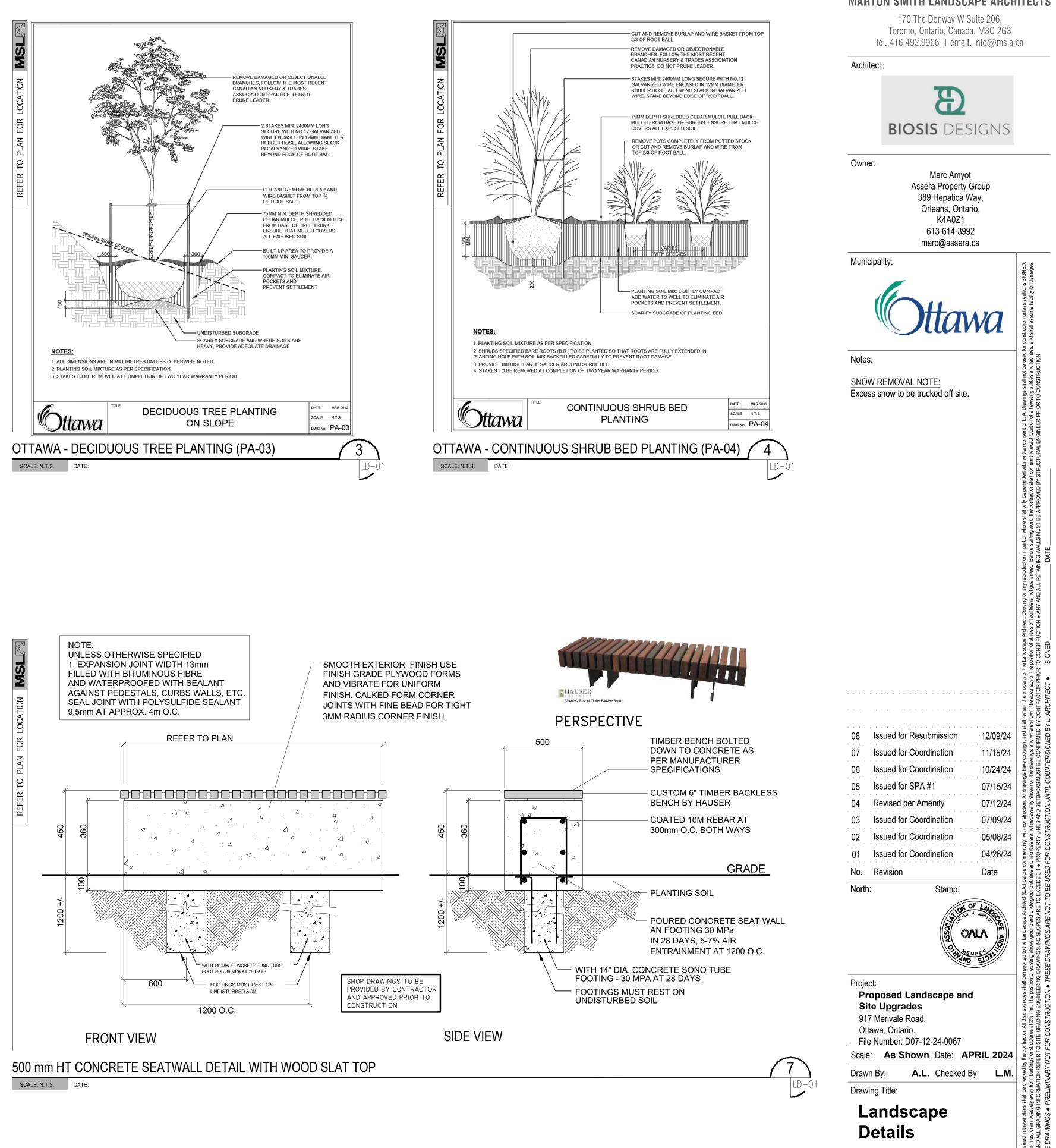
ALL SHRUBS AND CONIFEROUS TREES SHALL HAVE AN APPLICATION OF "SKOOT" OR APPROVED EQUIVALENT RODENT FORMULA, TO BE APPLIED AT THE END OF OCTOBER. FOLLOW MANUFACTURER'S DIRECTIONS FOR APPLICATION.

USE ABOVE SPECIFICATIONS IN CONJUNCTION WITH THE GENERAL LANDSCAPE SPECIFICATIONS OF THE ONTARIO LANDSCAPE CONTRACTORS ASSOCIATION, THE NURSERY SOD GROWERS ASSOCIATION OF ONTARIO AND WITH THE GUIDE SPECIFICATIONS FOR NURSERY STOCK OF THE CANADIAN NURSERY TRADES ASSOCIATION. USE ONLY PLANT MATERIAL TRUE TO NAME, SIZE AND GRADE AS SPECIFIED ON PLANTING PLAN: PROVIDE SUFFICIENT LABELS OR MARKINGS TO INDICATE CLEARLY THE VARIETY, SIZE AND GRADE OF

OBTAIN APPROVAL FOR SUBSTITUTIONS AS TO VARIETY, SIZE OR GRADE FROM THE LANDSCAPE ARCHITECT. USE ONLY NURSERY STOCK GROWN UNDER PROPER HORTICULTURAL PRACTICES, VIABLE, FREE FROM PEST AND DISEASE AND UNDAMAGED. CHECK LOCATIONS AND OBTAIN STAKEOUTS OF ALL UTILITY LINES BEFORE EXCAVATION. OBTAIN ALL NECESSARY PERMITS BEFORE COMMENCEMENT OF CONSTRUCTION. REPORT IN WRITING ANY DISCREPANCIES IN THE DRAWINGS, SPECIFICATIONS AND CONTRACT DOCUMENTS TO THE LANDSCAPE ARCHITECT BEFORE THE END OF THE BIDDING PROCESS AND COMMENCEMENT OF CONSTRUCTION. THESE SPECIFICATIONS MAY BE SUPERCEDED BY ADDITIONAL SPECIFICATIONS SET OUT IN THE TENDER DOCUMENTS. CONTRACTOR

PROVIDE ONE FULL YEAR GUARANTEE ON ALL LANDSCAPE WORK FROM DATE OF FINAL ACCEPTANCE BY LANDSCAPE ARCHITECT. GUARANTEE PERIOD MAY BE EXTENDED TO TWO FULL YEARS DEPENDING ON MUNICIPAL STANDARDS. CONTRACTOR TO VERIFY WITH





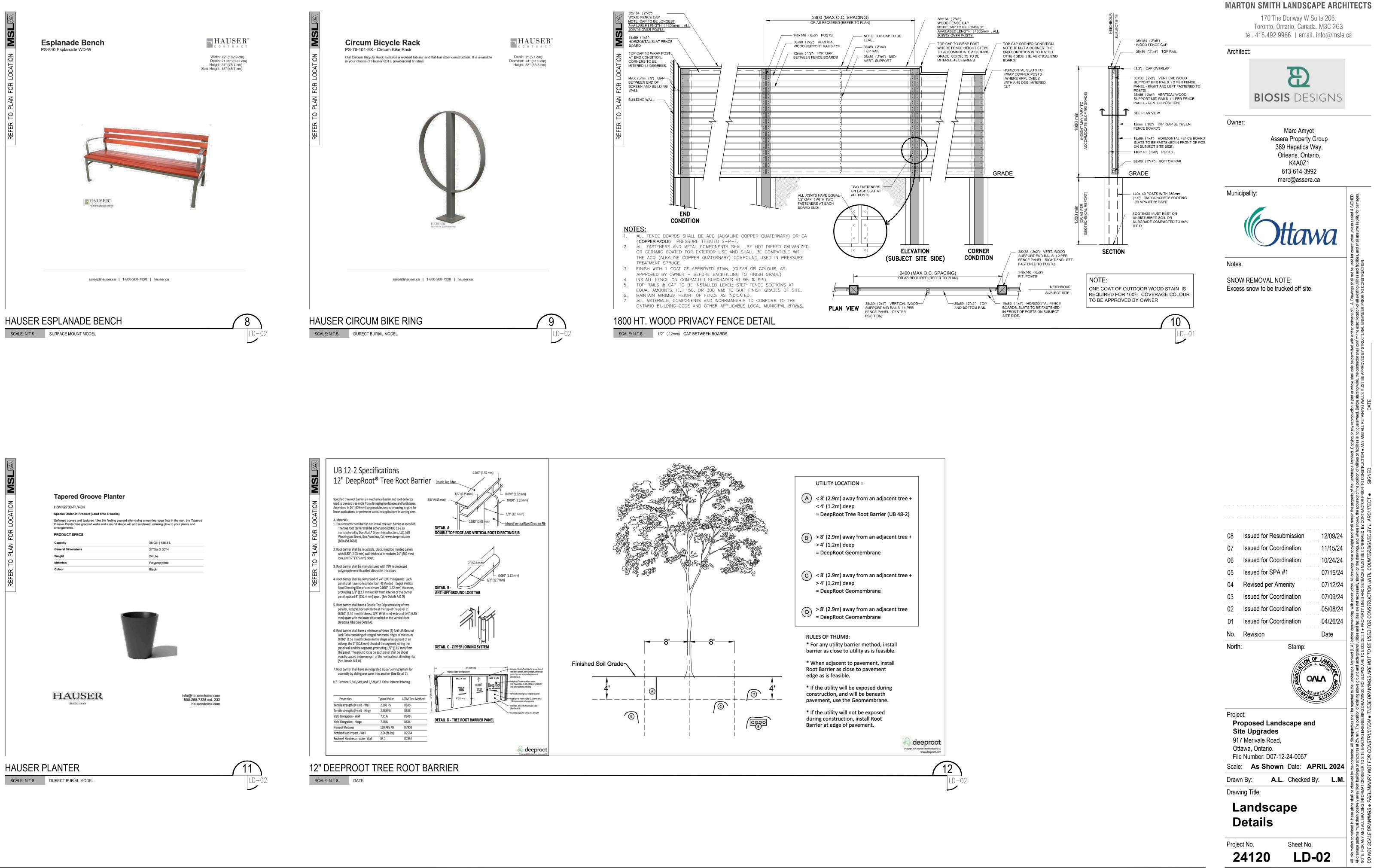


Project No.

24120

Sheet No.

LD-01



ISL					12" DeepRoot <sup>®</sup> Tree Root Bar	rri	
REFER TO PLAN FOR LOCATION	<section-header><section-header><section-header></section-header></section-header></section-header>			KEFEK IU PLAN FUK LUCATION	<ul> <li>Specified tree root barrier is a mechanical barrier and root deflector used to prevent tree roots from damaging hardscapes and landscapes. Assembled in 24" (609 mm) long modules to create varying lengths for linear applications, or perimeter surround applications in varying sizes.</li> <li><u>A. Materials</u></li> <li><b>1.</b> The contractor shall furnish and install tree root barrier as specified. The tree root barrier shall be either product #UB 12-2 as manufactured by DeepRoot® Green Infrastructure, LLC, 530 Washington Street, San Francisco, CA, www.deeproot.com (800.458.7668).</li> <li><b>2.</b> Root barrier shall be recyclable, black, injection molded panels with 0.80" (2.03 mm) wall thickness in modules 24" (609 mm) long and 12" (305 mm) deep.</li> <li><b>3.</b> Root barrier shall be comprised of 24" (609 mm) panels. Each panel shall have no less than four (4) Molded Integral Vertical Root Directing Ribs of a minimum 0.060" (1.52 mm) thickness, protruding 1/2" (12.7 mm) at 90° from interior of the barrier panel, spaced 6" (152.4 mm) apart. (See Details A &amp; D)</li> <li><b>5.</b> Root barrier shall have a Double Top Edge consisting of two parallel, Integral, horizontal ribs at the top of the panel at 0.060" (1.52 mm) thickness, m) apart with the lower rib attached to the vertical Root Directing Ribs (See Detail A).</li> <li><b>6.</b> Root barrier shall have a minimum of three (3) Anti-Lift Ground Lock Tabs consisting of integral horizontal ridges of minimum 0.060" (1.52 mm) thickness in the shape of a segment of an oblong, the 2" (50.5 mm) ohcord of the sament joining the panel. The ground locks on each panel shall be about equally spaced between each of the vertical root directing ribs (See Details B &amp; D).</li> </ul>		
	HAUSER BINCE 1949	info@hauserstores.com 800-268-7328 ext. 232 hauserstores.com			7. Root barrier shall have an integrated Zipper Jolning System for assembly by sliding one panel into another (See Detail C).         U.S. Patents: 5,305,549; and 5,528,857. Other Patents Pending.         Properties       Typical Value       ASTM Test Met         Tensile strength @ yield - Wall       2.383 PSi       D638         Tensile strength @ yield - Hinge       2.483PSi       D638         Yield Elongation - Wall       7.71%       D638         Yield Elongation - Hinge       7.58%       D638         Flexural Modulus       120.785 PSi       D7908         Notched Izod Impact - Wall       2.54 (ft-Ibs)       D256A         Rockwell Hardness r. scale - Wall       84.1       D785A	thod	
HAUSER I scale: n.t.s.	PLANTER DURECT BURIAL MODEL		1 LD-02	2" D scale: 1	EEPROOT TREE ROOT	E	

