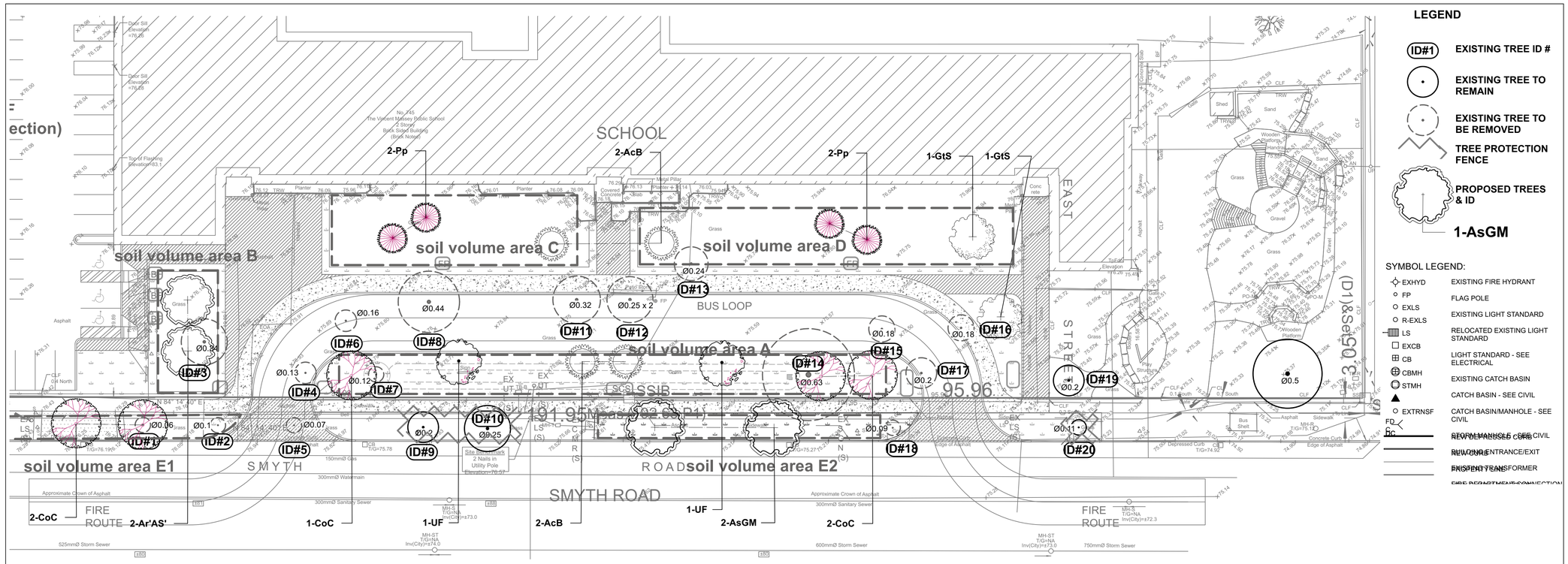

scale 1:300 0 5 10 15 20 25 m

SMYTH ROAD

LEGEND

- ID#1 — EXISTING TREE ID #
- EXISTING TREE TO REMAIN
- EXISTING TREE TO BE REMOVED
- TREE PROTECTION FENCE
- PROPOSED TREES & ID — 1-AsGM

SYMBOL LEGEND:

EXHYD	EXISTING FIRE HYDRANT
FP	FLAG POLE
EXLS	EXISTING LIGHT STANDARD
R-EXLS	RELOCATED EXISTING LIGHT STANDARD
LS	LIGHT STANDARD - SEE ELECTRICAL
EXCB	EXISTING CATCH BASIN
CB	CATCH BASIN - SEE CIVIL
CBMH	CATCH BASIN/MANHOLE - SEE CIVIL
STMH	STORM MANHOLE - SEE CIVIL
EXTRNSF	EXISTING TRANSFORMER

EXISTING VEGETATION CHART
(TREES WITHI AFFECTED AREA)

IFS ASSOCIATES
P.O. Box 13593, Stn. Kanata, Ottawa, ON K2K 1X6
Telephone: (613) 838-5717
Website: www.ifsassociates.ca
Urban Forestry & Forest Management Consulting

Re: Tree Conservation Inventory for 745 Smyth Road (Vincent Massey PS)

Species, ownership, diameter, condition and status of trees at 745 Smyth Road

Tree No.	Tree species	Owner-ship[1]	DBH[2] (cm)	Tree Condition; Age Class; Condition Notes; Species Origin & **Preservation Status** (to be removed or preserved and protected)
1	Red oak *(Quercus rubra)*	City	6	Poor; juvenile; entire crown heavily impacted by salt spray; within moderately restricted rooting area; native species; **to be removed and replaced**
2	Red oak *(Quercus rubra)*	City	10	Fair; maturing; central stem with competing laterals at 2.5m om northwest and 3.5m on north; lower crown salt spray impacted; within moderately restricted rooting area; native species; **to be removed** (conflicts with bus loop construction)
3	Norway maple *(Acer platanoides)*	School	34	Poor; mature; central stem with suppressed lateral at 2.5m on east – weak union; divergent leaders at 4.5m; very poor vigour – in advanced decline; introduced invasive species; **recommended for removal** (poor condition – potentially hazardous)
4	Sugar maple *(Acer saccharum)*	School	13	Good; maturing; central stem with three competing leaders at 2.75m; stem wound 0.6-1.2m on southwest healing; native species; **to be removed** (conflicts with bus loop construction)
5	Red oak *(Quercus rubra)*	City	7	Fair; juvenile; competing leaders; salt spray impacted; within moderately restricted rooting area; native species; **to be removed** (conflicts with bus loop construction)
6	Sugar maple *(Acer saccharum)*	School	16	Good; maturing; central stem for most of height; suppressed laterals starting at 1.5m; symmetric crown; native species; **to be removed** (conflicts with bus loop construction)
7	Sugar maple *(Acer saccharum)*	School	12	Fair; maturing; branch clusters diminishing stem taper; poor increment (vigour); native species; **to be removed** (conflicts with swale)
8	Colorado spruce *(Pices pungens)*	School	44	Fair; mature; good pyramidal growth form; good crown density, growth increment and needle colour; introduced species; **to be removed** (conflicts with bus loop construction)

Con't

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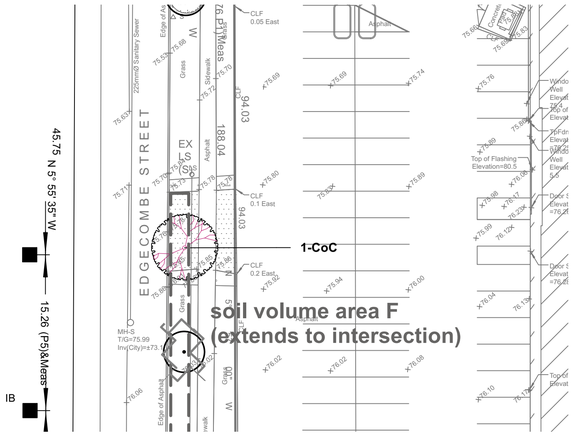

EDGECOMBE STREET scale 1:300

0 5 10 15 20 25 m

THIS PLAN IS ISSUED FOR SITE PLAN CONTROL SUBMISSION ONLY.

ADDITIONAL DETAILING AND SPECIFICATIONS ARE REQUIRED PRIOR TO TENDERING AND CONSTRUCTION.

GENERAL NOTES

.1 All general site information and conditions compiled from existing plans, surveys and consultant's field notes. Report all discrepancies prior to any work. No responsibility is born by the Consultant for unknown subsurface conditions.

.2 The location of the utilities is approximate only, and the exact location should be determined by consulting the municipal authorities and utility companies concerned. The Contractor shall prove the location of utilities and shall be responsible for adequate protection from damage.

.3 All dimensions shown are to be verified on site prior to any construction. No deviations are to be made from the layouts as shown on this plan without prior consultation with the Landscape Architect and Owner.

.4 Protect all existig trees as per City of Ottawa Tree Preservation Detail. Where construction activities threaten additional trees, the same measures are to be taken. Consult with the City of Ottawa Forestry Department for mititgation measures affecting any city owned trees prior to starting any excavation or other construction activities.

.4 Stake planting locations and receive approval of Landscape Architect, prior to excavation of any planting pits. No substitutions of plant material shall be made without prior approval of the Landscape Architect.

.5 Where clay is encountered proper drainage must be ensured in tree/shrub pits, prior to planting. have method approved by Landscape Architect.

.6 Maintain positive surface runoff through the entire construction period.

.7 Reinstate all areas and items damaged as a result of construction activities.

no.	revision	date
2	RE-ISSUED FOR SITE PLAN CONTROL	2023/11/06
1	ISSUED FOR SITE PLAN CONTROL	2022/12/16

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project

VINCENT MASSEY PS
BUS LOOP

745 SMYTH ROAD
OTTAWA, ON, K1G 1N9

project north

TRUE NORTH

seal

ASSOCIATION OF LANDSCAPE ARCHITECTS ONTARIO — MARIETTA RUHLAND — OALA MEMBER

drawing title

EXISTING VEGETATION AND LANDSCAPE PLAN

scale AS NOTED	drawn by T. FROST
date DEC. 2022	checked by M. RUHLAND
project number 22-1705	drawing number L-01

CONTRACTOR TO VERIFY ALL DIMENSIONS AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BEFORE WORK COMMENCES.
DO NOT SCALE DRAWINGS.

revision R1

Plant List

ID	Qty	Botanical Name	Common Name	Scheduled Size	Remarks
		TREES			
AcB	4	Amelanchier canadensis 'Ballerina'	Ballerina Serviceberry (tree form)	50mm dia.	WB Staked
Ar'AS'	2	Acer rubrum 'Autumn Spire'	Red Maple	70mm caliper	WB, Staked
AsGM	2	Acer saccharum 'Green Mountain'	Green Mountain(R) Sugar Maple	60mm caliper	WB Staked
CoC	6	Celtis occidentalis 'Chicagoland'	Chicagoland Hackberry	60mm dia.	WB Staked
GtS	2	Gleditsia triacanthos 'Shademaster'	Shademaster Honey Locust	60mm caliper	WB Staked
Pp	4	Picea pungens	Colorado Spruce	200 cm ht	WB Staked
UF	2	Ulmus minor x parvifolia 'Frontier'	Frontier Elm	60mm caliper	WB Staked

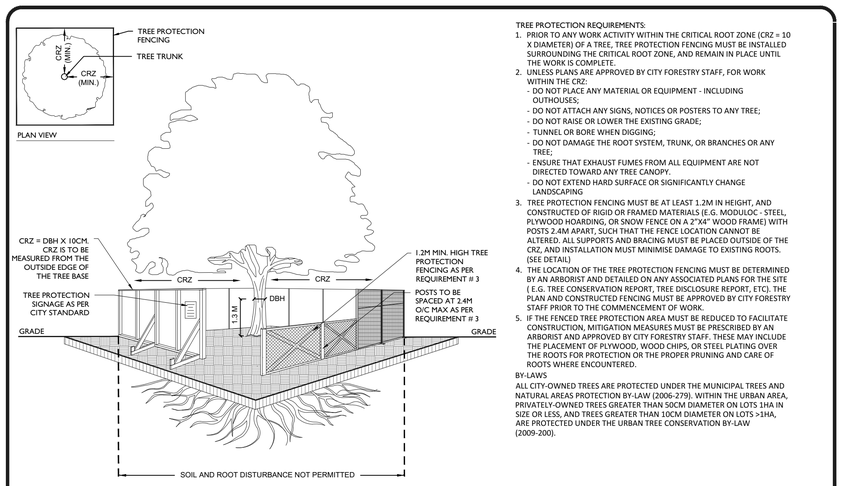
Vincent Massey Bus Loop				
Soil Volume Area, Tree Quantity and Size	Tree Quantity	OTTAWA Target Soil Volume (m^3)	Design Soil Volume	Soil Adequacy percentage
AREA A - 2 ornamental trees, 2 medium trees, 3 large trees				
plant bed (363 sq m x 0.4 ave metre deep)	7	102.0	145.2	142.35%
AREA B- 2 large trees (typical)				
plant bed (124 sq m x 0.4 ave metre deep)	2	36.0	49.6	137.78%
AREA C - 1 ornamental, 2 conifer trees				
plant bed (291 sq m x 0.4 ave metre deep)	3	39.0	116.4	298.46%
AREA D - 1 ornamental, 2 conifer, 1 medium trees				
plant bed (357 sq m x 0.4 ave metre deep)	4	54.0	142.8	264.44%
AREA E1 - 2 proposed large trees, 1 existing large tree				
plant bed (126 sq m x 0.4 ave metre deep)	3	54.0	50.4	93.33%
AREA E2 - 2 large trees				
plant bed (91 sq m x 0.4 ave metre deep)	2	36.0	36.4	101.11%
AREA F -1 Proposed large tree, 3 existing large trees				
plant bed (78 sq m x 0.9 ave metre deep)	4	72.0	70.2	97.50%

* Small ornamental trees with growth to 8-15cm DBH, large shrubs, and columnar conifers calculated using 'How much soil to grow a big tree' by DeepRoot as a guide

AREAS WHERE SITE CONSTRAINTS (such as parking lot islands, adjacent hard surface areas):
0.9 TO 1.2 METRE DEPTH IMPORTED TOPSOIL (average depth of 1000mm).

AREAS WITHIN OR ADJACENT TO LARGER SOFT LANDSCAPE AREAS (such as wide boulevards, lawns, etc):
0.4 METRE AVERAGE DEPTH OF IMPORTED TOPSOIL OVER APPROVED EXISTING SUBSOIL.

ADDITIONAL IMPORTED TOPSOIL OR APPROVED SUBSOIL TO BE ADDED WHERE SUBGRADE BELOW THE 400mm IMPORTED TOPSOIL IS NOT CONDUSIVE TO PLANT GROWTH.



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

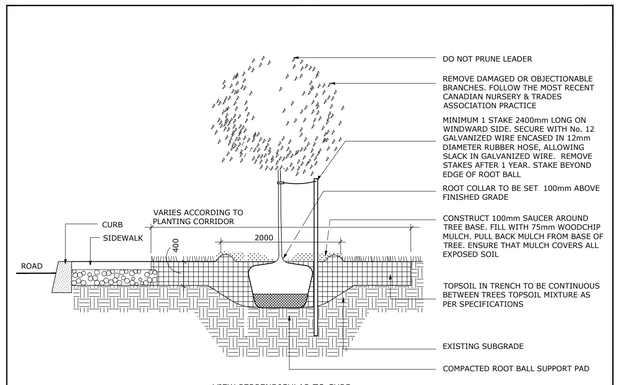
Ottawa	TREE PROTECTION SPECIFICATION TO BE IMPLEMENTED FOR RETAINED TREES, BOTH ON SITE AND ON ADJACENT SITES, PRIOR TO ANY TREE REMOVAL OR SITE WORKS AND MAINTAINED FOR THE DURATION OF WORK ACTIVITIES ON SITE.	SCALE: NTS DATE: MAY 2019 DRAWING NO.: 1 of 1

Additional notes for L1 and L2:

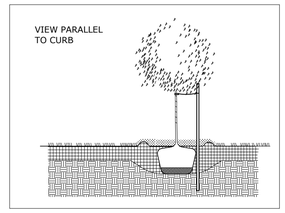
TREE SOIL VOLUME REQUIREMENTS:
STANDARD TREE SOIL VOLUMES QUANTITIES INCLUDE THE TOP 900-1000mm OF SOIL/EXISTING SUBSOIL LAYER TO CALCULATE TOTAL SOIL VOLUMES REQUIRED BY CITY OF OTTAWA FOR SUSTAINABLE TREE GROWTH. WHERE LARGER SOFT AREAS ARE AVAILABLE, THE TOP 400-500mm LAYER IS USED TO CALCULATE SOIL VOLUMES (AS PER CITY DETAL L1).

WHERE EXISTING MATERIAL BELOW THE SPECIFIED TOPSOIL IS NOT CONDUCIVE TO TREE GROWTH, AN ADDITIONAL LAYER OF PLANTING MEDIUM IS TO BE INSTALLED BELOW SPECIFIED TOPSOIL DEPTH TO OBTAIN THE SOIL VOLUME DEPTH REQUIRED.

REFER TO SOIL VOLUME CHART AND PLANS FOR AREA WHERE TREE SOIL VOLUMES ARE REQUIRED.



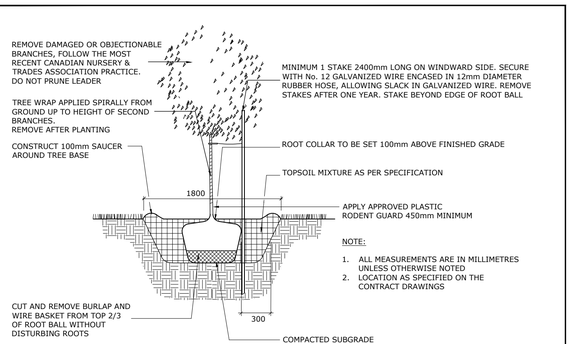
VIEW PERPENDICULAR TO CURB



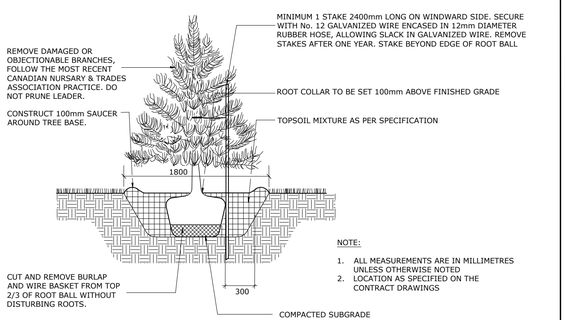
NOTES:

1. ALL MEASUREMENTS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED
2. CUT AND REMOVE BURLAP AND WIRE BASKET FROM TOP 2/3 OF ROOT BALL WITHOUT DISTURBING ROOTS
3. LOCATION AS SPECIFIED ON THE CONTRACT DRAWINGS

Ottawa	TITLE: PLANTING TRENCH WELL DRAINED SOILS	DATE: MAY 2001 REV: JAN 2017 DWG No: L1



DECIDUOUS TREE PLANTING



CONIFEROUS TREE PLANTING

Ottawa	TITLE: PLANTING TRENCH WELL DRAINED SOILS (LOTS)	DATE: MAY 2001 REV: JAN 2017 DWG No: L2

no.	revision	date
2	RE-ISSUED FOR SITE PLAN CONTROL	2023/11/06
1	ISSUED FOR SITE PLAN CONTROL	2022/12/16

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project

VINCENT MASSEY PS BUS LOOP

745 SMYTH ROAD
OTTAWA, ON, K1G 1N9

project north

seal

ASSOCIATION OF LANDSCAPE ARCHITECTS ONTARIO
MARIETTA RUHLAND
OALA
MEMBER

drawing title

LANDSCAPE DETAILS

scale AS NOTED	drawn by T. FROST
date DEC. 2022	checked by M. RUHLAND
project number 22-1705	drawing number L-02

CONTRACTOR TO VERIFY ALL DIMENSIONS AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BEFORE WORK COMMENCES.

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revision R1