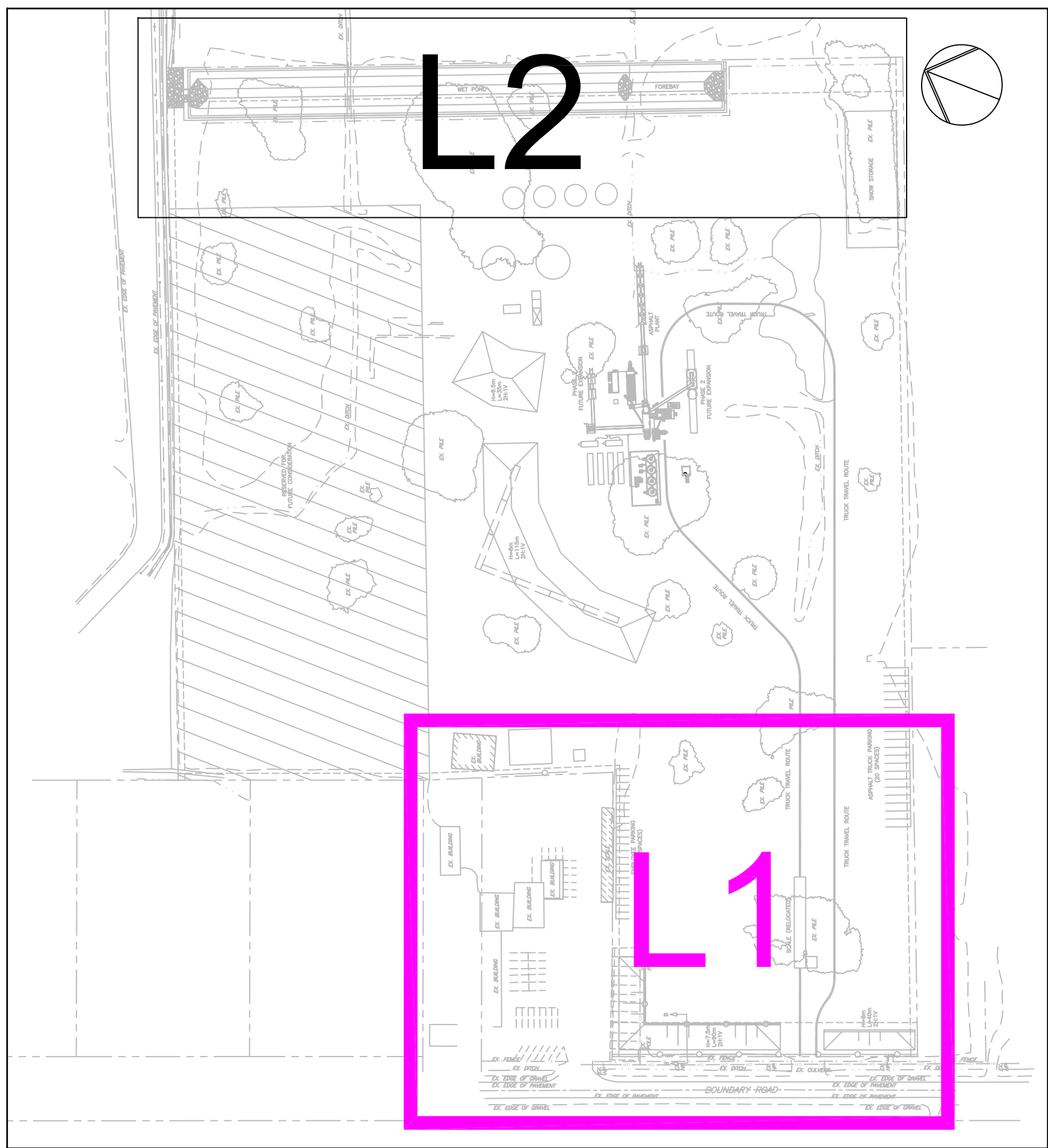


GENERAL NOTES

- This drawing shall be read in conjunction with all relevant Architectural, Engineering and related Drawings and Documents.
- Refer to Engineering Drawings for Grading and Servicing.
- Refer to Architectural Drawings for Site layout.
- Contractor shall provide the location(s) of all services/utilities by consulting Municipal Authorities and Utility companies and shall be responsible for adequate protection from damage during construction.
- Plant material shall be No.1 Grade and shall comply with the Metric Guide Specifications For Nursery Stock (latest edition), published by the Canadian Nursery Trades Association.
- Plant Material locations are Schematic / Approximate only. Contractor shall stake out locations on site prior to work.
- Contractor shall guarantee all plant material for a period of one (1) full year from the date of final acceptance.
- Plant Material substitutions shall not be permitted without written approval from the Consultant.
- Shrubs shall be planted in a continuous prepared bed of 450mm depth planting soil mix covered over with a woven polypropylene weed control fabric (LANDSCAPE FABRIC-Green-Line by Thrace-LINQ) and 75mm depth shredded pine mulch to finish grade, as specified.
- Reinstato all areas damaged or disturbed beyond the limit of Work.
- THIS PLAN HAS BEEN PREPARED FOR MUNICIPAL SITE PLAN APPROVAL AND MAY NOT BE USE FOR ANY OTHER PURPOSE.**

PLANT MATERIAL SCHEDULE

CODE	BOTANICAL NAME	COMMON NAME	QTY.	SIZE	REMARKS
DECIDUOUS TREES					
AC	AMELANCHIER CANADENSIS	SHADBLow SERVICEBERRY	6	50mm cal	B&B, Single Stem
AS	ACER SACCHARUM	SUGAR MAPLE	3	50mm cal	B&B, Single Stem
BP	BETULA PapyRIFERA	PAPER BIRCH	6	50mm cal	B&B, Single Stem
CO	CELTIS OCCIDENTALIS	COMMON HACKBERRY	2	50mm cal	B&B, Single Stem
QM	QUERCUS MACROCARPA	BUR OAK	2	50mm cal	B&B, Single Stem
QR	QUERCUS RUBRA	RED OAK	2	50mm cal	B&B, Single Stem
CONIFEROUS TREES					
PG	PICEA GLAUCA	WHITE SPRUCE	9	150 cm ht	B&B
PR	PINUS RESINOSA	RED PINE	18	150cm ht	B&B
SHRUBS					
CR	CORNUS RACEMOSA	GRAY DOGWOOD	15	50cm ht	potted, 120cm o/c
CS	CORNUS SERICEA	RED OSIER DOGWOOD	65	50cm ht	potted, 120cm o/c
PO	PHYSOCARPUS OPULIFOLIUS	COMMON NINEBARK	25	50cm ht	potted, 120cm o/c
RB	ROSA BLANDA	SHRUB ROSE	55	50cm ht	potted, 120cm o/c
RHA	RHUS AROMATICA	FRAGRANT SUMAC	40	50cm ht	potted, 120cm o/c
SA	SYMPHORICARPUS ALBUS	SNOWBERRY	40	50cm ht	potted, 120cm o/c



REFERENCE / KEY SITE PLAN NTS

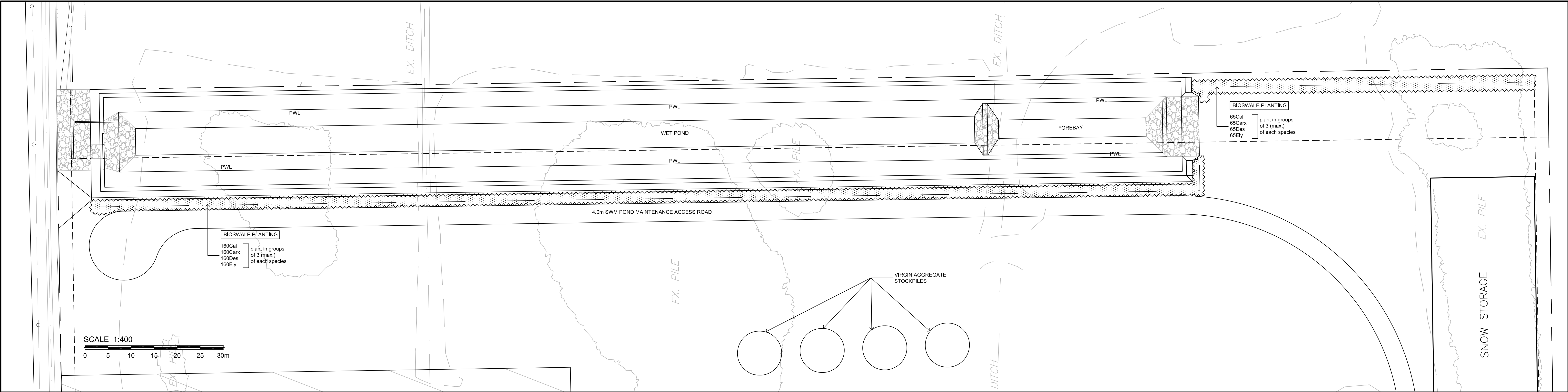
LEGEND / SYMBOL

- PROPOSED DECIDUOUS TREE  
DETAIL 1/L3
- PROPOSED CONIFEROUS TREE  
DETAIL 1/L3
- PROPOSED SHRUBS / PERENNIALS / ORNAMENTAL GRASSES / GROUNDCOVERS  
WITH EROSION CONTROL BLANKET  
TYPE-ECSC-2B by EAST COAST or equal  
DETAIL 1/L3
- EROSION CONTROL BLANKET  
TYPE-ECSC-2B by EAST COAST or equal
- SEED MIX TYPE A  
20% Canada Wild Rye (Elymus canadensis)  
20% Annual Ryegrass (Lolium multiflorum)  
20% Little Bluestem (Andropogon scoparius)  
10% Autumn Bentgrass (Agrostis perennans)  
10% Fringed Brome (Bromus)  
10% Rough Dropseed (Sporobolus asper)  
5% Black Eyed Susan (Rudbeckia hirta)  
2% New England Aster (Asterovae-angliae)  
2% Wild Bergamot (Monarda fistulosa)  
1% Gray Goldenrod (Solidago nemoralis)  
Seeding Rate: 55kg/ha

FOR APPROVAL ONLY

2. DEC.22/20		PER CITY COMMENTS (1)
1. JUNE 16/20		ISSUE FOR SITE PLAN APPROVAL
no.	date	revision
North Arrow		Stamp
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Client		
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Project		
5455 BOUNDARY ROAD OTTAWA, ONTARIO		
Drawing Title		
LANDSCAPE PLAN		
Drawn	Date	Drawing No.
MGB	JUNE 2020	L1
Scale	Project No.	
1:400	1174	





LEGEND / SYMBOL

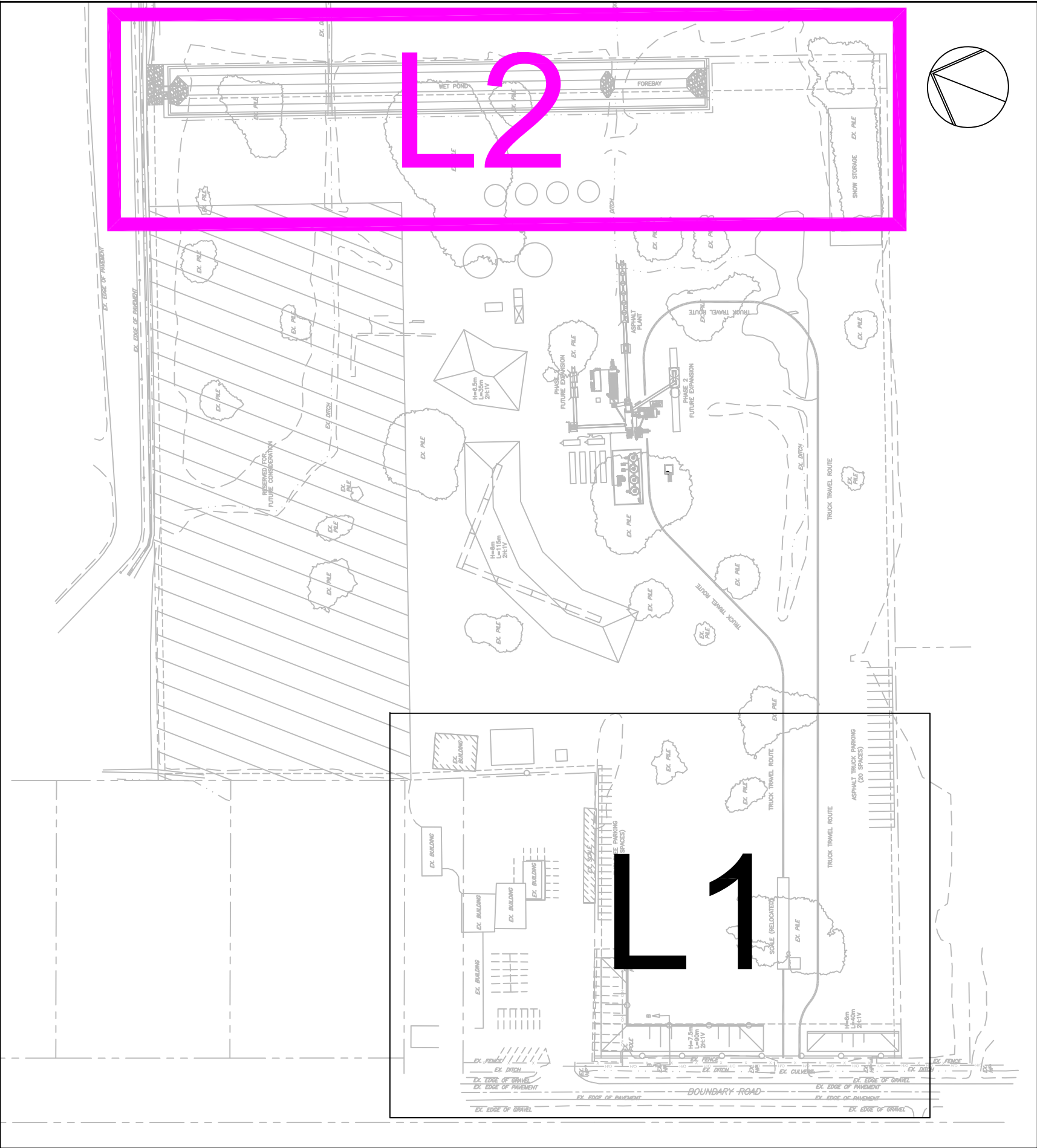
 PROPOSED BIOSWALE PLANTING

PLANT MATERIAL SCHEDULE (BIO-SWALE)

CODE	BOTANICAL NAME	COMMON NAME	QTY.	SIZE	REMARKS	ZONE: H (HIGH) M (MEDIUM) L (LOW)
GRAMINOIDES (GRASS-LIKE)						
Cal	CALAMAGROSTIS canadensis	CANADA BLUEJOINT	225	1gal	plant 100cm o/c	L, M
Carx	CAREX hystericina	PORCUPINE SEDGE	225	1gal	plant 100cm o/c	L, M
Des	DESCHAMPSIA caespitosa	TUFT HAIR GRASS	225	1gal	plant 100cm o/c	L, M
Ely	ELYMUS virginicus var. virginicus	VIRGINIA - WILD RYE	225	1gal	plant 100cm o/c	L, M

**BIO-SWALE PLANTING NOTES:**  
1. Contractor shall guarantee and provide maintenance all plant material which form part of **LID feature** for a period of TWO (2) full years from the date of final acceptance.  
2. Broadleaf Herbaceous and Graminoides forming part of **LID feature** shall be planted in a continuous prepared bed of 450mm depth **amended topsoil\*** covered over with 75mm depth shredded hardwood bark mulch (aged min. 12 mo.).

- \*topsoil mixture to contain:
- 85-88% sand
  - 8-12% soil fines
  - 3-5% organic matter
  - P-Index value 10 to 30ppm
  - pH between 5.5-7.5



REFERENCE / KEY SITE PLAN NTS

FOR APPROVAL ONLY

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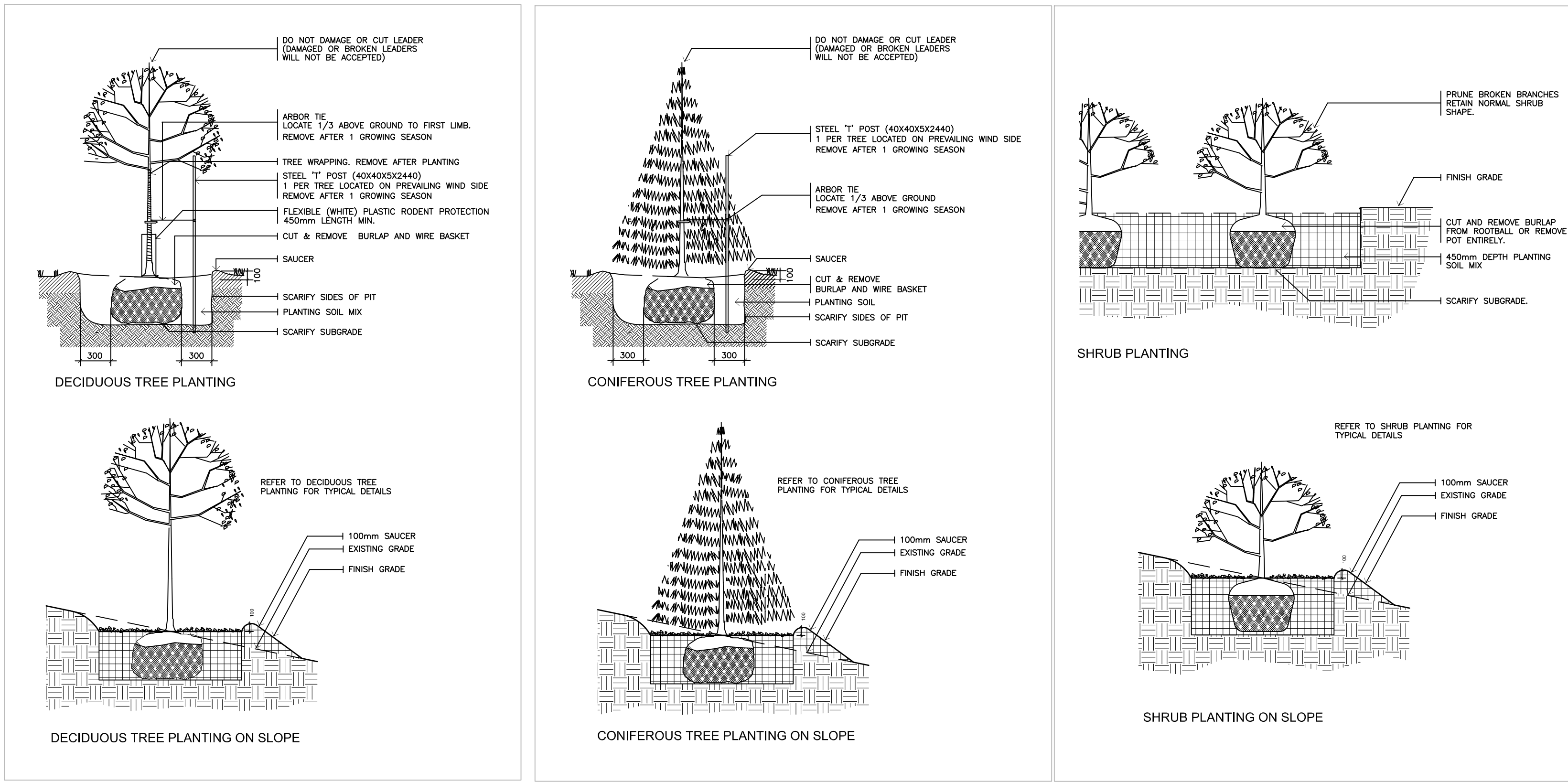
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6811 HIRAM ROAD, GREELY, ONTARIO

Project  
**5455 BOUNDARY ROAD**  
OTTAWA, ONTARIO

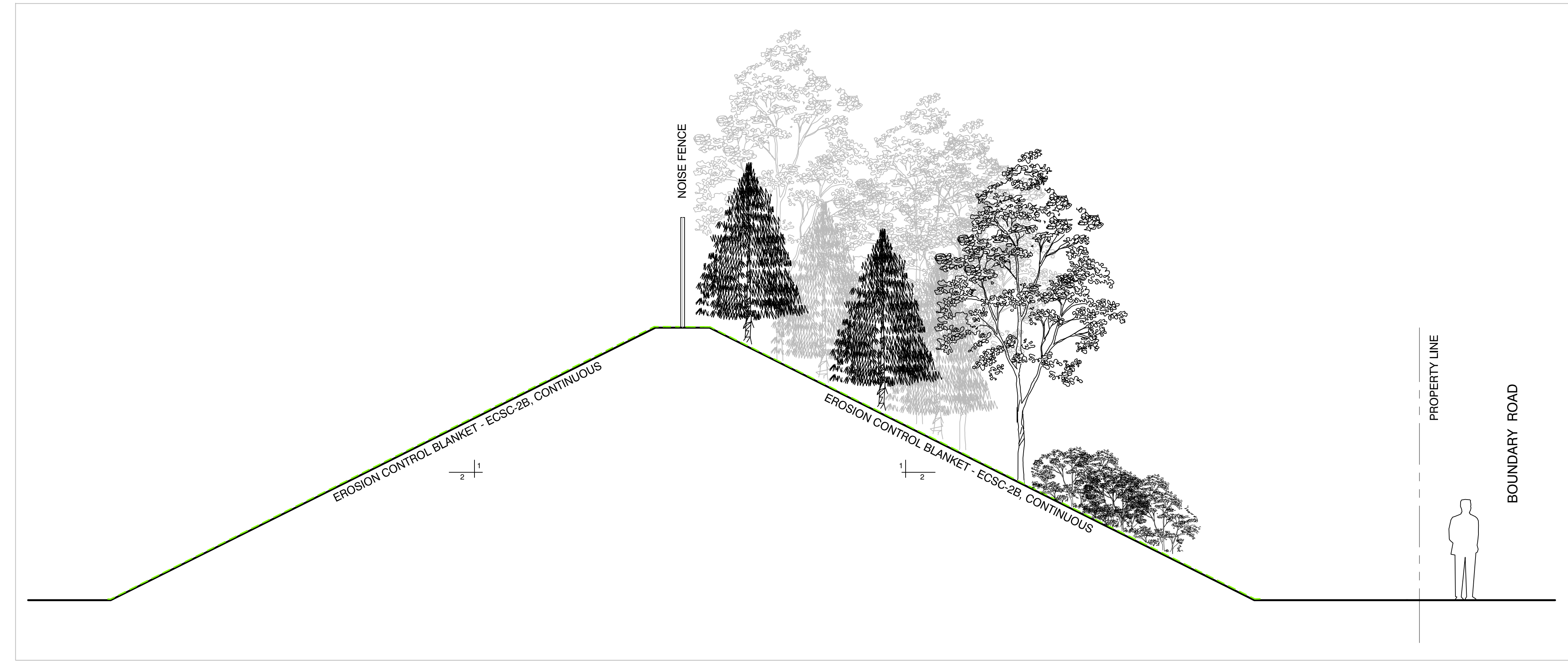
Drawing Title  
**LANDSCAPE PLAN**

Drawn <b>MGB</b>	Date <b>JUNE 2020</b>	Drawing No. <b>L2</b>
Scale <b>1:400</b>	Project No. <b>1174</b>	





1  
L3 PLANTING DETAILS (TYPICAL) NTS



2  
L3 BOUNDARY ROAD 'SCREEN' PLANTING SECTION NTS

**EASTCOAST** erosion control

Proud Member and Participant of:  
www.eastcoasterosion.com  
413 Brickner Road, Bernville, PA 17506  
1.800.582.4005 • +1.610.488.8496 Fax • +1.610.488.8494

**Material and Performance Specification**

### ECSC-2B™ Double Net Straw/Coconut Biodegradable Rolled Erosion Control Product

**Description:**  
The ECSC-2B™ is made with uniformly distributed 70% agricultural straw, 30% coconut fiber and two organic jute nets securely sewn together with biodegradable thread. The tightly compressed blankets are wrapped and include a product label, code and installation guide. The blankets are pre-cut for easy installation. The ECSC-2B™ has functional longevity of approximately 18 months, but will vary depending on soil and climatic conditions, and is suitable for slopes 2:1 to 1:1 and low to medium flow channels. The ECSC-2B™ meets Type 3.0 specification requirements established by the Erosion Control Technology Council (ECTC) and Federal Highway Administration's (FHWA) PP-03 Section 713.17.

Matrix:	1	2
Top: <td>70% Straw</td> <td>30% Coconut</td>	70% Straw	30% Coconut
Netting: <td>Type</td> <td>Net Color</td>	Type	Net Color
Bottom: <td>Organic Leno Weave Net</td> <td>Natural</td>	Organic Leno Weave Net	Natural
Middle:	None	

Net Opening:	Top	Middle	Bottom
Type	0.5" x 1.0"	N/A	0.5" x 1.0"
Color	Natural		

Roll Sizes:	Standard	4" Size	Mega
Width:	8 ft. 2.4 m	4.00 ft. 1.2 m	16 ft. 4.9 m
Length:	112.5 ft. 34.3 m	2.25 ft. 68.6 m	112.5 ft. 34.3 m
Weight*:	60 lbs. 27.2 kg	120 lbs. 54.4 kg	120 lbs. 54.4 kg
Area:	100 yd² 83.6 m²	100 yd² 83.6 m²	200 yd² 167.2 m²
B/Pallet:	20	9	20

\*Weight at time of manufacturing.

Index Value Properties*		
Property	Test Method	Typical
Mass/Unit Area	ASTM D6475	9.00 oz/yd² 306.1 g/m²
Thickness	ASTM D6525	0.28 in. 7.11 mm
Tensile Strength-MD	ASTM D6518	204.00 lb/ft. 2.93 kN/m
Elongation-MD	ASTM D6518	14 %
Tensile Strength-TD	ASTM D6518	134.00 lb/ft. 1.96 kN/m
Elongation-TD	ASTM D6518	16.3 %
Light Penetration	ASTM D6557	12 %
Density / Specific Gravity	ASTM D792	N/A g/cm³
Water Absorption	ASTM D1117	361 %

Channel Performance Design Values*		
Property	Test Method	Value
Unvegetated Shear Stress	ASTM D 6480	2.00 lb/ft² 95.76 Pa
Unvegetated Velocity	ASTM D 6480	8.0 ft/s 2.44 m/s
Vegetated Shear Stress	NA	N/A lb/ft² N/A Pa
Vegetated Velocity	NA	N/A ft/s N/A m/s

\*Large Scale Results obtained by 3rd Party GAI Accredited Independent Laboratory

**Bench-Scale Testing\* (NTEP\*\*\*):**

Test Method	Parameters	Results
ECTC Method 2 Rainfall	50mm (2in) / hr 30 min	SLR**=11.59
	100mm (4in) / hr 30 min	SLR**=13.60
ECTC Method 3 Shear Resistance	Shear at .50 in soil loss	SLR**=15.50
	ECTC Method 4 Germination	Top soil, Fescue 21 day incubation

\*Bench scale tests should not be used for design purposes.  
\*\*Soil Loss Ratio=Soil Loss Bare Soil/Soil Loss with RECP-LC Factor  
\*\*\*The preceding test data excerpts were reproduced with the permission of AASHTO, however, this does not constitute endorsement or approval of the product, material or device by AASHTO.  
\*May differ depending upon raw material variations

**Channel Performance Design Values\*:**

Property	Test Method	Value
Unvegetated Shear Stress	ASTM D 6480	2.00 lb/ft² 95.76 Pa
Unvegetated Velocity	ASTM D 6480	8.0 ft/s 2.44 m/s
Vegetated Shear Stress	NA	N/A lb/ft² N/A Pa
Vegetated Velocity	NA	N/A ft/s N/A m/s

\*Large Scale Results obtained by 3rd Party GAI Accredited Independent Laboratory

The values presented are for guidance purposes and do not constitute the practice of engineering. East Coast Erosion Blankets LLC (ECEBL) warrants that at the time of manufacturing, all information presented herein is accurate and reliable and will adhere to ECEBL manufacturing product specification standards. If the product does not meet the stated values and ECEBL is notified in writing prior to installation, the product will be replaced at no cost to the purchaser. ECEBL will not be held liable for any type of damage or injury, directly or indirectly, for failure of this product. Current erosion management (EM) manuals using our ECEBL product.

Revised 01/07/2020

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Drawing Title

**LANDSCAPE DETAILS**

Drawn	Date	Drawing No.
MGB	JUNE 2020	
Scale	Project No.	L3
AS NOTED	1174	