

NOTES

1. This drawing is for the intended use of the client for the specified project, and should not be used elsewhere without the express permission of the client and/or Ryzuk Geotechnical.
2. Base Image and property boundaries taken from MapIT Islands Trust digital mapping portal

RYZUK GEOTECHNICAL
100 - 771 Vernon Avenue - Victoria, BC V8X 5A7
250-475-3131 mail@ryzuk.com

REV.	DESCRIPTION	YY/MM/DD	DRAWN BY
01	CONCEPT REVIEW	26/05/29	ESR
00	CONCEPT REVIEW	25/08/25	ESR

SEAL

PTPN: 1002996

PROJECT No.	11139-1
CLIENT	Ethan Wilding
EOR/LEAD	ARJ
PROJECT TITLE	Proposed Shoreline Revetment
REVIEW	
PROJECT ADDRESS	434 Baker Road - Salt Spring Island, BC
SCALE	1:1000
DRAWING PACKAGE	**Proposed Shoreline Revetment Concept**
SHEET No.	1 of 3
SHEET NAME	**Site Plan**

R:\Ryzuk Data\8-11000 to 8-11999\11139-1 434 Baker Road – SSI\4 Ryzuk Drawings\11139-1 2026.05.28.RevetmentLESR.dwg

General Notes:

1. Backfill to consist of free-draining angular 25 kg class riprap. (Typically equivalent to a 450 mm minus blast rock). If preferred, riprap can be replaced with core boulders with a minimum 1.5 m diameter in the lower course.

2. Backfill to be compacted with an excavator bucket to a minimum of 95% of the Standard Proctor Maximum Dry Density value (SPMDD) or judged equivalent.

3. Boulders to be comprised of sound durable materials with minimum dia. of 1.5 m for lower, 1.0 m for middle and for upper course, and set atop bedrock (with possible inclusion of dowels pending review of rock surface and cutslope) and stacked at 1 H : 1 V or flatter.

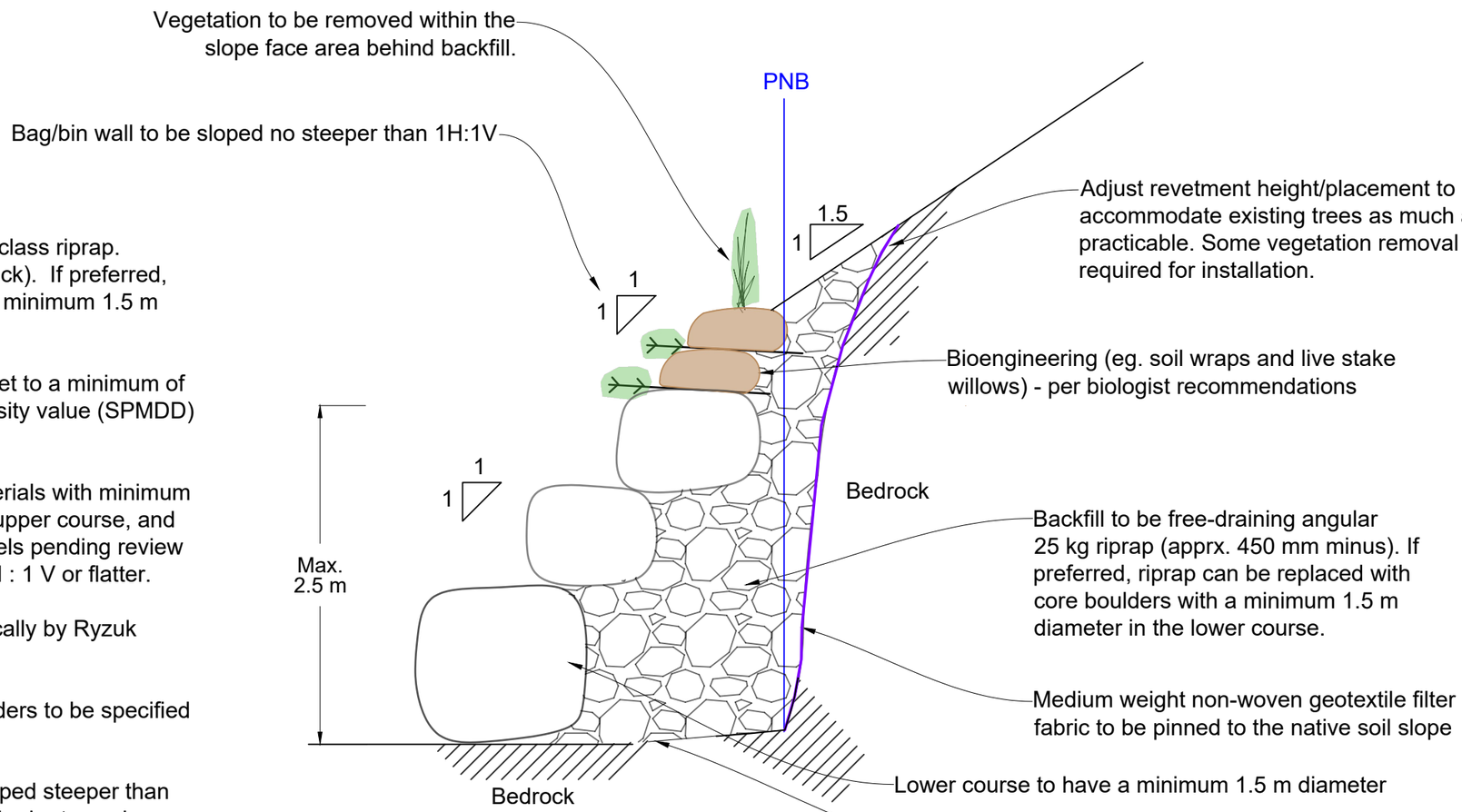
4. Revetment construction to be monitored periodically by Ryzuk Geotechnical.

5. Installation of bioengineered system above boulders to be specified by others.

5. Temporary cutslopes greater than 1.2 m and sloped steeper than 0.75H:1V to be reviewed by Ryzuk Geotechnical prior to worker entry/approach.

6. Revetment drainage to be provided by the free draining granular backfill placed directly behind the revetment.

7. Seismic design horizontal acceleration coefficient = 0.325 g (0.5 x 2% probability of ground motion exceedance in 50 years) determined from the 2020 NBCC Online Calculator for this site assuming site class"C". Seismic design considered revetment deformation acceptable without collapse.



Revetment Section (Bedrock Subgrade and Cutslope)
Scale 1:40

NOTES
1. This drawing is scaled for 11x17 sheet and does not require further scaling to fit. Scales will differ if printed on different sheet size.

RYZUK GEOTECHNICAL
100 - 771 Vernon Avenue - Victoria, BC V8X 5A7
250-475-3131 mail@ryzuk.com

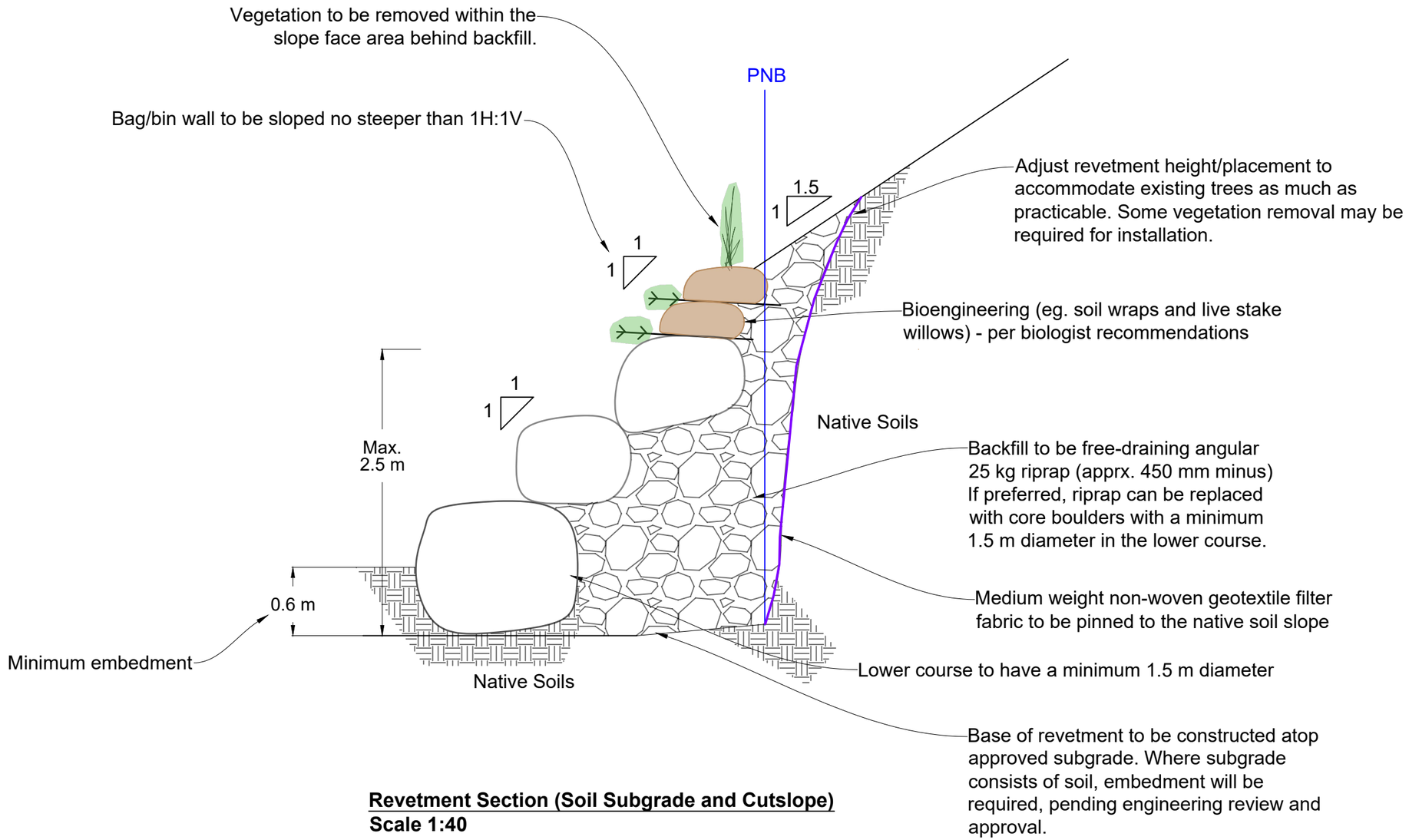
REV.	DESCRIPTION	YY/MM/DD	DRAWN BY
01	CONCEPT REVIEW	26/05/29	ESR
00	CONCEPT REVIEW	25/08/25	ESR

SEAL

PTPN: 1002996

PROJECT No.	11139-1
CLIENT	Ethan Wilding
EOR/LEAD	ARJ
PROJECT TITLE	Proposed Shoreline Revetment
REVIEW	
PROJECT ADDRESS	434 Baker Road - Salt Spring Island, BC
SCALE	1:40
DRAWING PACKAGE	**Proposed Shoreline Revetment Concept**
SHEET No.	2 of 3
SHEET NAME	**Typical Shoreline Revetment Section (Bedrock) and General Notes**

R:\Ryzuk Data\8-11000 to 8-11999\11139-1 434 Baker Road – SSI\4 Ryzuk Drawings\11139-1.2026.05.28.RevetmentESR.dwg



Revetment Section (Soil Subgrade and Cutslope)
Scale 1:40

NOTES

1. This drawing is scaled for 11x17 sheet and does not require further scaling to fit. Scales will differ if printed on different sheet size.

RYZUK GEOTECHNICAL
100 - 771 Vernon Avenue - Victoria, BC V8X 5A7
250-475-3131 mail@ryzuk.com

REV.	DESCRIPTION	YY/MM/DD	DRAWN BY
01	CONCEPT REVIEW	26/05/29	ESR
00	CONCEPT REVIEW	25/08/25	ESR

SEAL

PTPN: 1002996

PROJECT No.	11139-1
CLIENT	Ethan Wilding
EOR/LEAD	ARJ
PROJECT TITLE	Proposed Shoreline Revetment
REVIEW	
PROJECT ADDRESS	434 Baker Road - Salt Spring Island, BC
SCALE	1:40
DRAWING PACKAGE	**Proposed Shoreline Revetment Concept**
SHEET No.	3 of 3
SHEET NAME	**Typical Shoreline Revetment Section (Soil) and General Notes**

R:\Ryzuk Data\8-11000 to 8-11999\11139-1 434 Baker Road – SSI\4 Ryzuk Drawings\11139-1.2026.05.28.RevetmentLESR.dwg