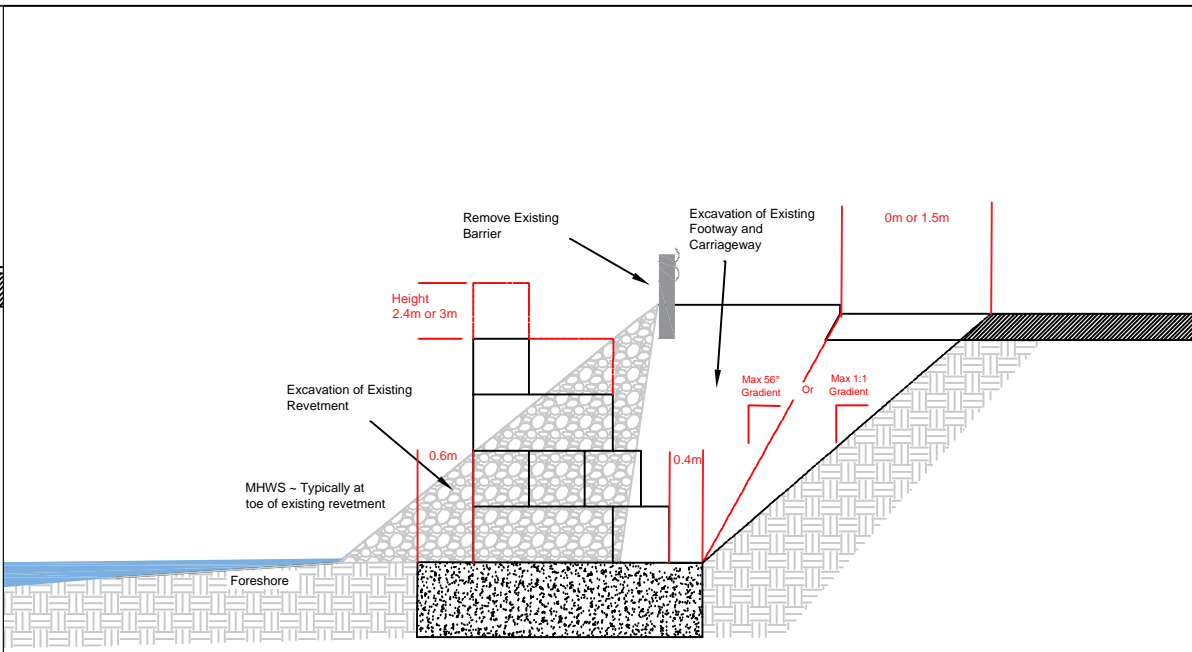
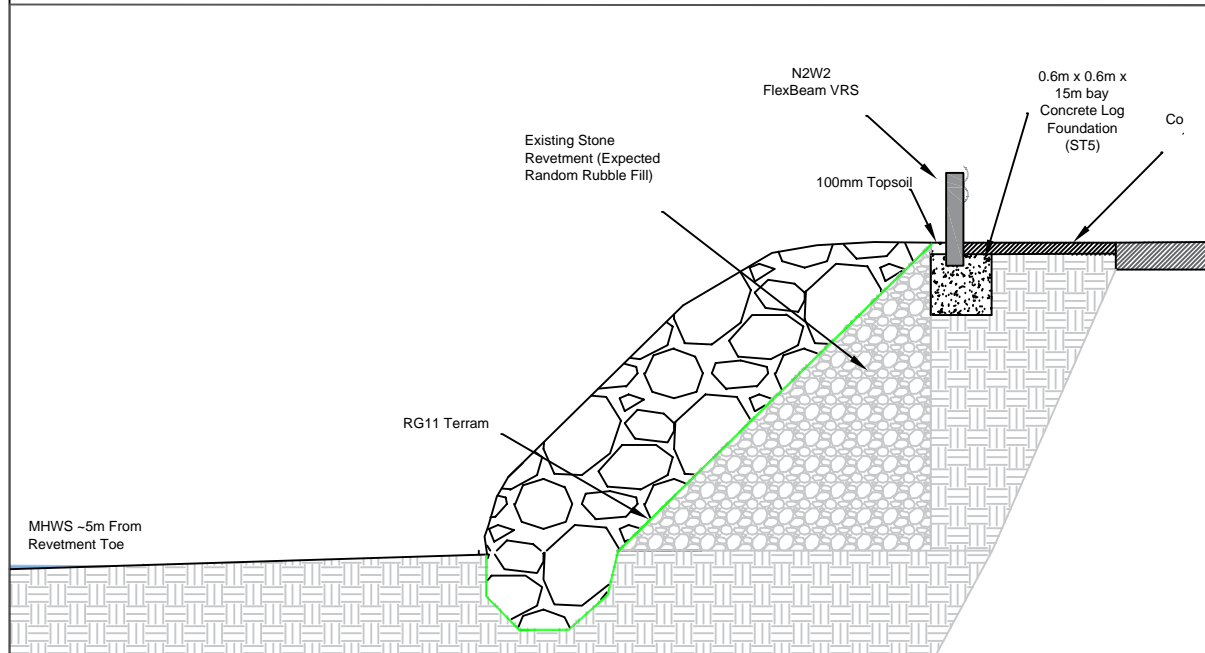


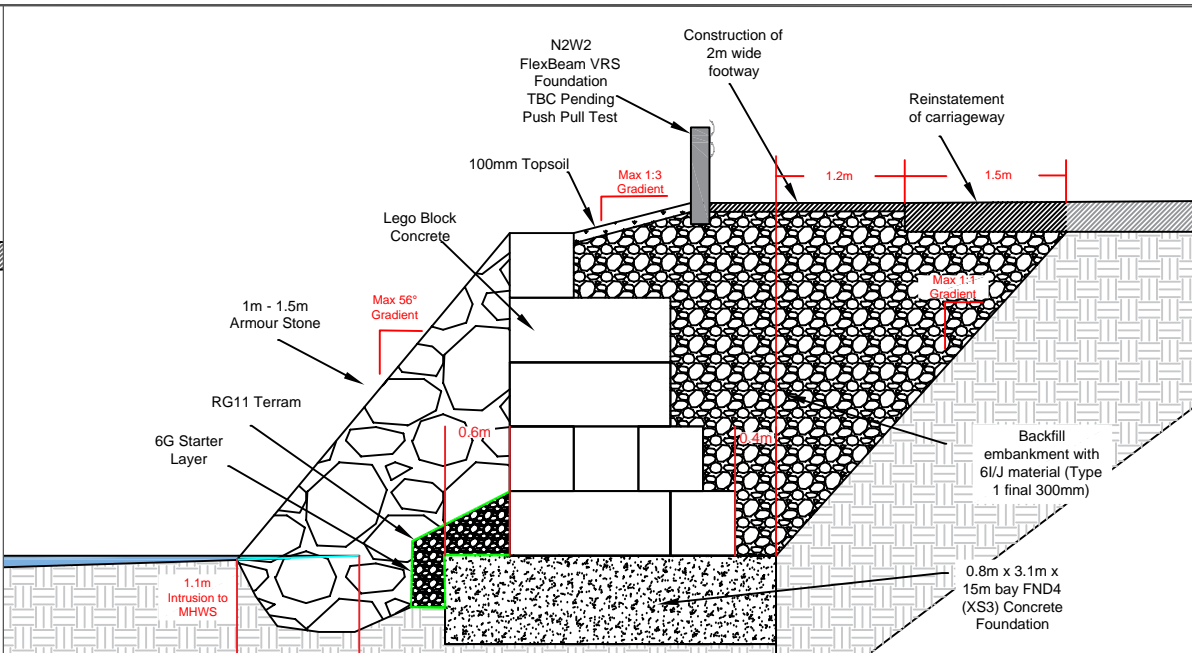
Existing Cross-Section ~ NTS



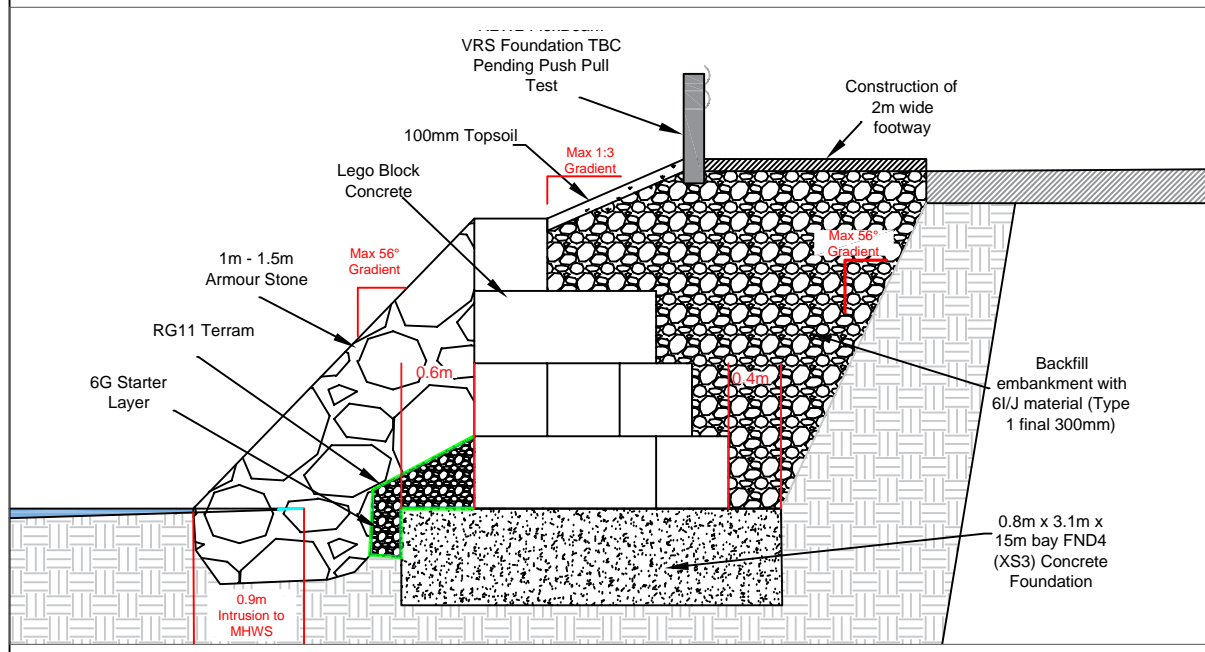
Typical Site Excavation Cross-Section



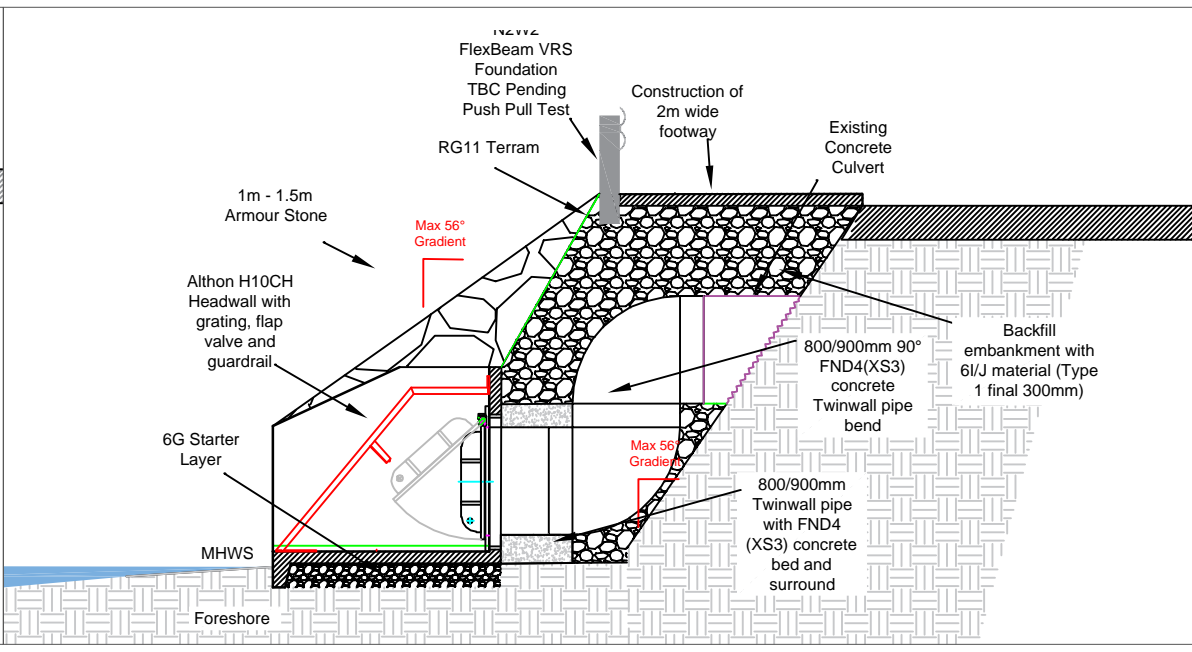
Design Cross-Section Ch. 0-30 - NTS



3m Modular Block Height Cross-Section Ch. 30-90 - NTS



2.4m Modular Block Height Cross-Section Ch. 90-97 & Ch.102-190 - NTS



Culvert Cross-Section Ch. 67-72 & Ch.97-102 -NTS

Drawing Number
19/NW/0309/006/003

Notes
General
1. See drawing 19/NW0309/XXX/001 for location details
2. See drawing 19/NW/0309/XXX/002 for general arrangement of works.
3. See drawing 18/NW/0309/015/005 for Site Layout & Logistics
4. Reference should be made to Designer's Risk Register and Method Statement for the works
5. Site Environmental Management Plan should be adhered to at all times

Imported Fill
6. All imported material should be in accordance with SHW Tab 6/1.
7. Structural fill to the rear of modular block wall / armour stone revetment should consist of 6I/J material with the final 300mm depth comprising Type 1 material in accordance with SHW Cl. 803.



Modular Block Wall Foundation
8. Mass concrete foundation shall be designated mix FND4 (XS3) in accordance with BS 8500-2:2015.
9. Mortar bedding shall comprise cement mortar with cement:sand ratio 1:2.5 to 3.5 (des. ii) in accordance with SHW Cl. 2404.

Geotextile
10. Geotextile to have minimum CBR resistance of 11kN and minimum tensile strength of 60kN/m.

FlexBeam+
11. Foundation between Ch. 0 - 30 will comprise a 0.6m x 0.6m x 15m bay concrete log with 450mm sockets cast in. Expansion joints to be installed every 15m.
12. Foundation between Ch. 30 - 231 must be confirmed by Push/Pull test.
13. Barrier mounting height must be 610mm (±30mm) to centre of beam from verge level
14. Refer to the provided Hill & Smith installation and testing documents and drawings: PD-CEGRSB100, FBGA090 and FBGA091
15. Bolt on Hazard Markers to be installed at 9m crs. throughout. (75mm min reflector dia.)
16. All new terminals to be TREND P4, 12m in length. Refer to the provided Hill & Smith TREND CEN End Terminal documents and drawings: Product Description Installation Manual, Anchorage guidelines and DWG615794. Concrete level to be below road level for TREND P4 Terminal as per drawing DWG615794.

Culvert Headwall
17. Headwall to have min. backwall height of 1.65m and have chamfered wingwalls
18. Sloped grating, flap valve and guardrail to be provided

Do not scale this drawing

Rev	Date	Checked
Status		
CONSTRUCTION		
Rev.		
01		
Client		
 		
Project	Kintail Lodge Sea Wall Repair	
Title	Design Cross Sections	
Drawing No.	19/NW/0309/006/003	
Scale	NTS	
Designed	AS	Drawn AS
Checked	KR	Approved KF
Date	JUN/19	