

NOTES

1. Refer to Trial Hole Results sheet. All services are to be marked out prior to commencing any construction works with the Designer on site. The VRS setback is then to be marked out by the Designer and Lead Installer. All VRS sections are to be installed with a 1000mm minimum setback and any changes should follow a minimum 1 in 16 taper. At locations where there is insufficient clearance from underground services to use driven posts, posts should be installed in a concrete foundation.
2. An underground BT telecoms cable is present on the edge of the eastbound lane at the front of the eastbound verge.
3. For further detail on the design of the vehicle restraint systems refer to the VRS Design Schedule and the manufacturer's guidance documents.
4. All VRS sections are to be marked out on site by the Designer prior to the commencement of any works.
5. All new VRS sections are to be Hill & Smith Flexbeam+. Refer to the Hill & Smith installation and testing documents provided in the Site File: HSM001, HSM002 and PD-CEGRSB102.
6. All new VRS terminals are to be Hill & Smith TREND P4, 12m in length. Refer to the Hill & Smith TREND™ CEN End Terminal documents and drawings: Product Description and Manual, Anchorage Guidelines and DWG615794.
7. Bolt on Verge Markers to be installed at 9m crs. throughout. (75mm min reflector dia.)
8. MS 3-14 Installation and Removal of Vehicle Safety Fencing and RA-10 Deep Excavations must be followed during all barrier related operations.
9. Push/Pull tests are to be carried out and recorded by the installation team as per MS 3-14. Tests should be carried out at 25m centers or when a change in verge conditions occur as determined by the Lead Installer. The Results table is provided in the Site File.
10. Refer to the Site File for all known public utility locations in the vicinity of the scheme. BT plant is present at the site. As per RA-010 for Deep Excavation works, all utility plans are to be reviewed, the CAT and Genny should be used to locate plant and services are to be clearly marked out on site prior to any excavation works.
11. HSG47 Requirements for avoiding danger from underground services are to be adhered to.
12. Refer to the Site File for the Site Environmental Management Plan which lists of all environmental mitigation measures required during the works.
13. Refer to the Site File for Site Inductions and Site Specific Health and Safety information.
14. All waste to be removed from site and disposed of safely and legally to a licensed facility.

Do not scale this drawing

Rev	Date	Checked

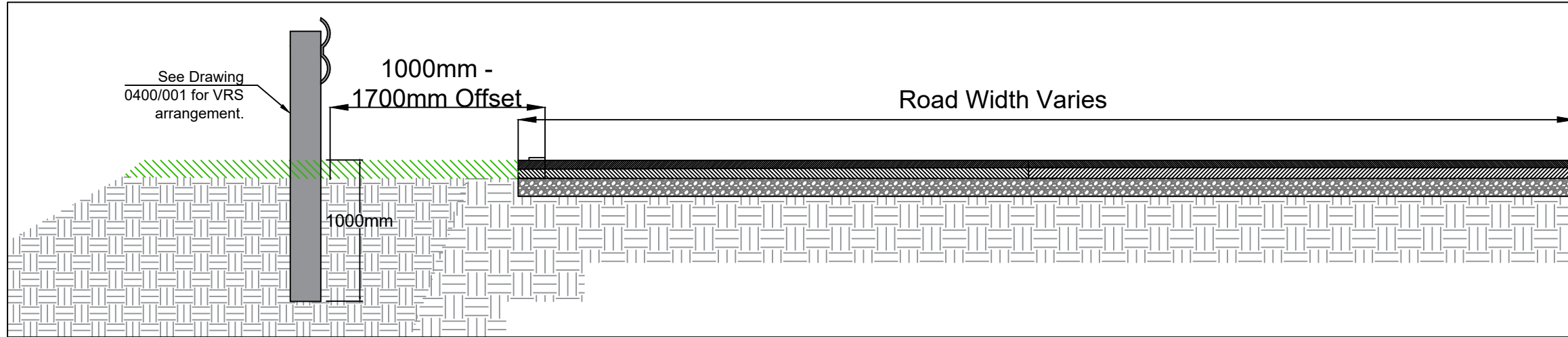
Status	Design
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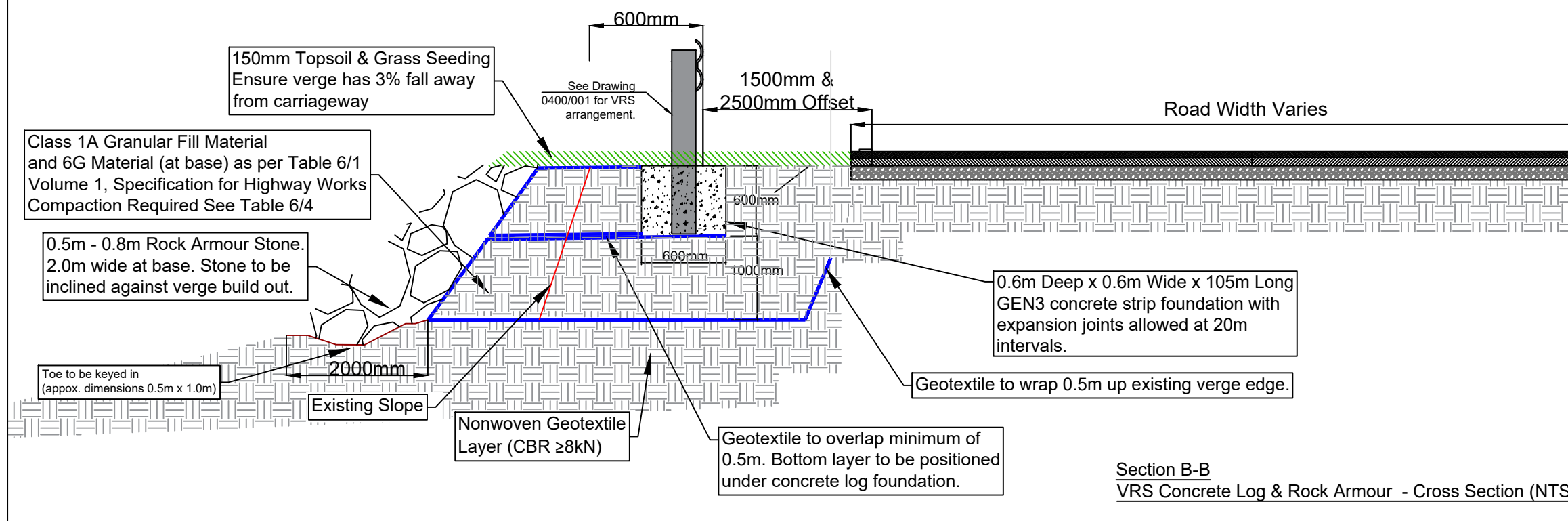
Client	 <p>TRANSPORT SCOTLAND COMHAIL ALBA</p>
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Project	A85 Connel to Achnacloch VRS Phase 2
Title	VRS Cross-Sections

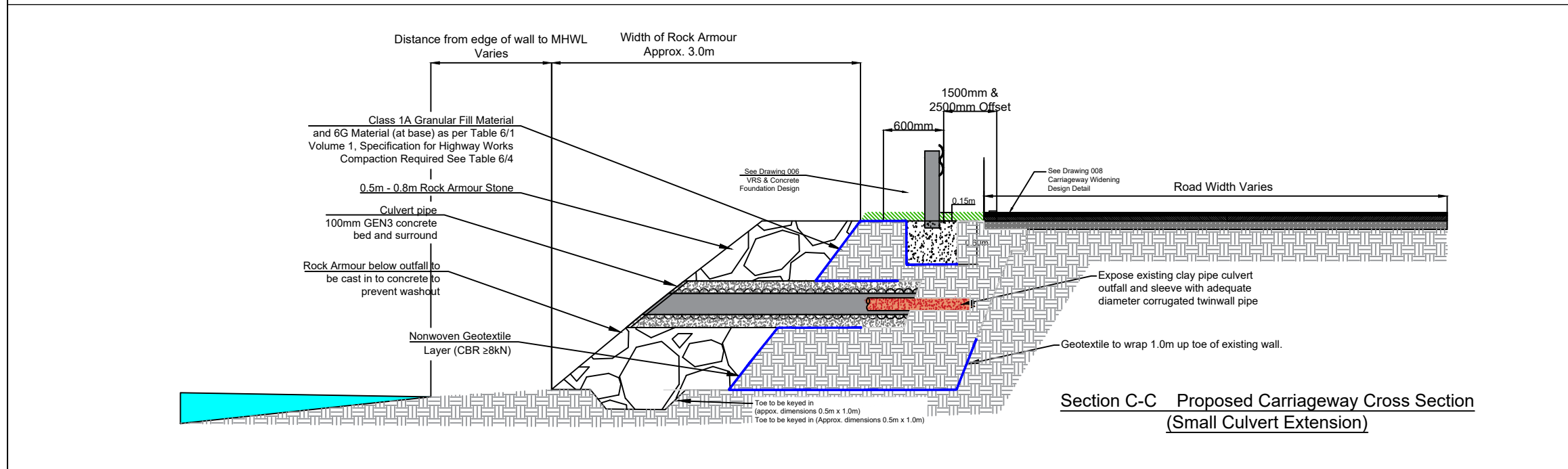
Drawing No.	21/NW/0801/043/0600/103				
Scale	N.T.S	Date	Jun 2021		
Designed	N.S.	Drawn	N.S.	Checked	Approved



Section A-A  
VRS Driven Posts - Cross Section (NTS)



Section B-B  
VRS Concrete Log & Rock Armour - Cross Section (NTS)



Section C-C Proposed Carriageway Cross Section  
(Small Culvert Extension)