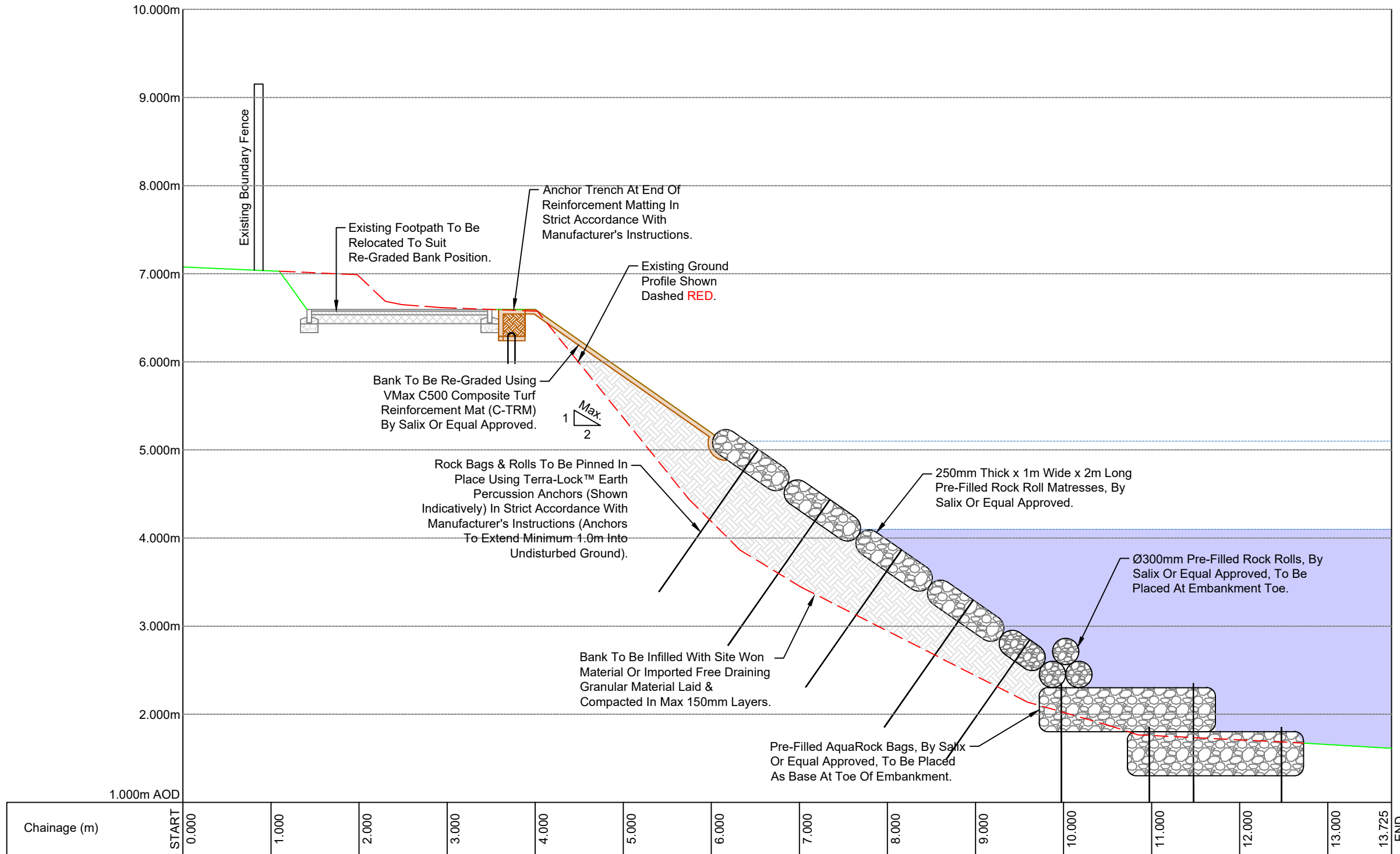


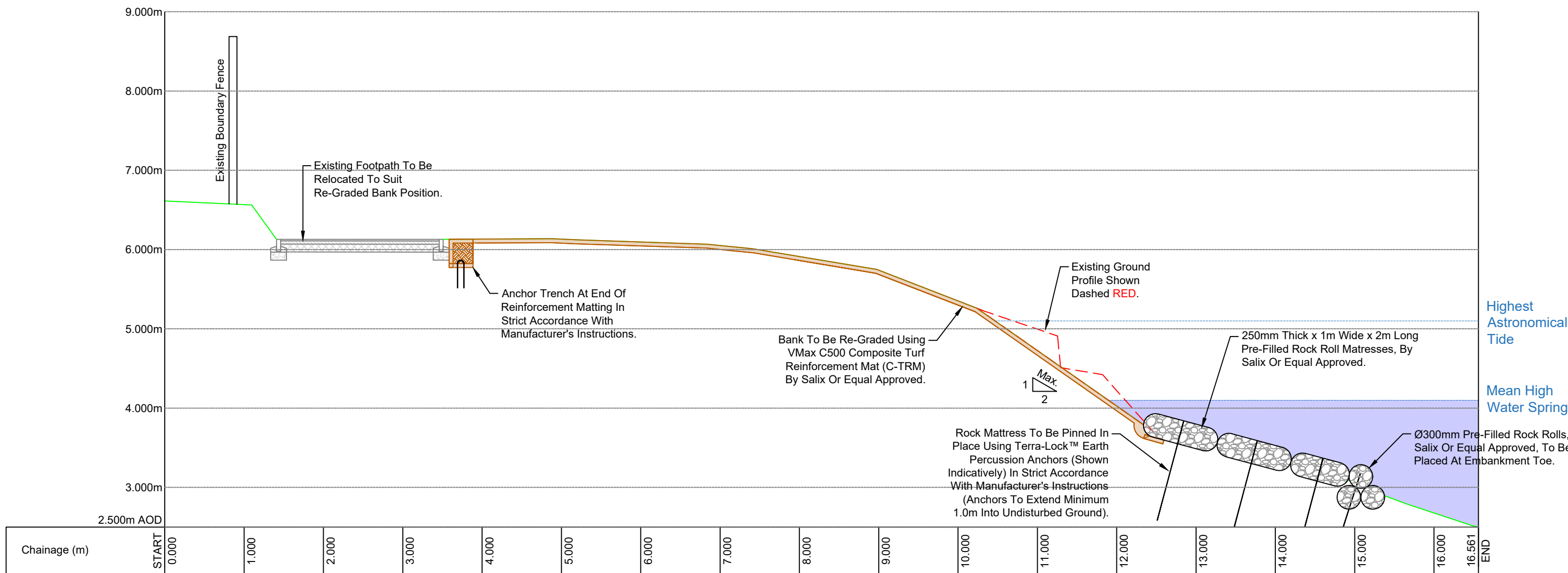
Indicative Section A-A Through Bank Reinforcement

Scale 1:50



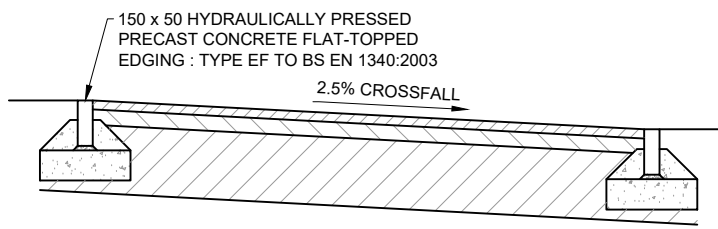
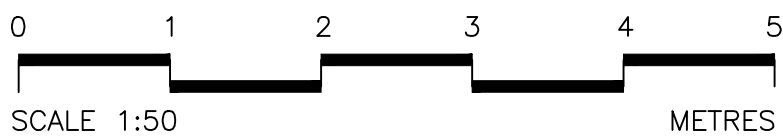
Indicative Section B-B Through Bank Reinforcement

Scale 1:50



Indicative Section C-C Through Bank Reinforcement

Scale 1:50



TYPICAL CONSTRUCTION DETAIL FOR FOOTPATH LINK TO ABBEY ROAD

SCALE 1:20

ADOPTED FOOTWAY & FOOTPATH CONSTRUCTION (CBR VALUE <2%)

30mm SURFACE COURSE HRA 15/10 F SURF 4060
BS EN13106-1 BSI PD 6691 ANNEX B TO (CL 9107)

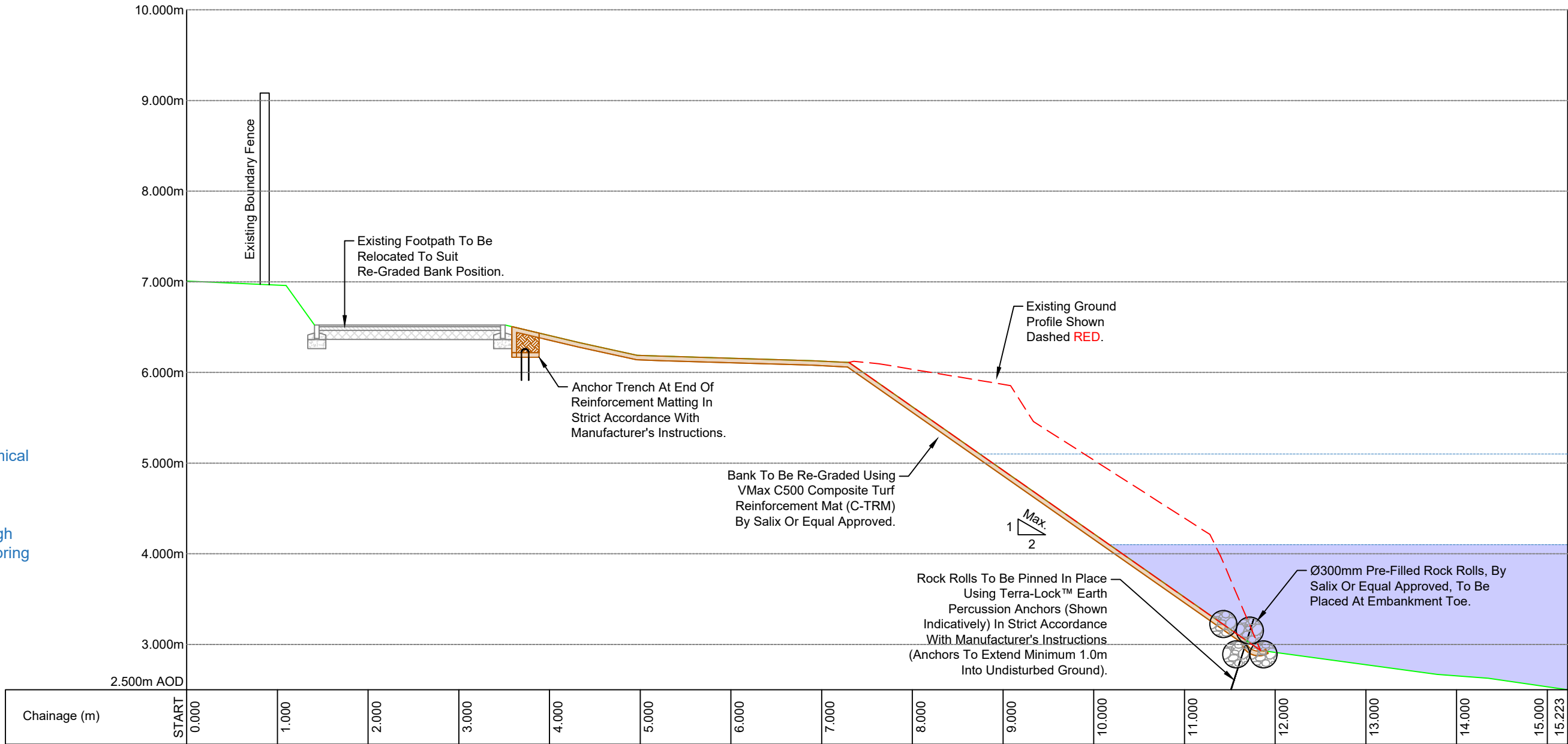
50mm AC20 DENSE BIN 4060 REC
BS EN13106-1 BSI PD 6691 ANNEX B TO (CL 906)

225mm TYPE 1 UNBOUND MIXTURE SUB-BASE (CL 803)
PAVEMENT CONSTRUCTION IN ACCORDANCE WITH DMRB CD239 TABLE 3.18b.

FOR CBR<2% CAPPING IN ACCORDANCE WITH NATIONAL ROADS DEVELOPMENT GUIDE FIGURE 29.

* 10mm LIMESTONE CHIPPINGS APPLIED TO SURFACE PRIOR TO COMPACTION AT A RATE OF SPREAD OF 1kg/m²

GENERAL FILL BELOW FOOTWAY CONSTRUCTION TO BE TYPE 2 MATERIAL TO BE IN LINE WITH THE SPECIFICATION FOR HIGHWAY WORKS, TABLE 6/1 OR AS OTHERWISE AGREED BY THE ENGINEER TO CLAUSE 608.

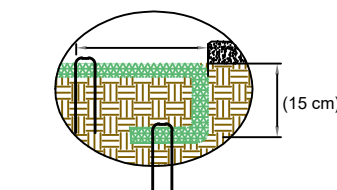


Indicative Section D-D Through Bank Reinforcement

Scale 1:50

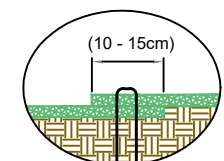
VMax C500 Composite Turf Reinforcement Mat (C-TRM) Installation Instructions

- Prepare soil before installing rolled erosion control products (RECPs), including any necessary application of lime, fertilizer, and seed. Ground surface must be free of debris, rocks, clay clods and raked smooth sufficient to allow intimate contact of the RECP with the soil over the entirety of the installation.
- Begin at the top of the slope by anchoring the RECPs in a (15 cm) deep X (15 cm) wide trench. Anchor the RECPs with a row of staples/stakes/pins spaced at ST apart in the bottom of the trench. Backfill and compact the trench after stapling and fold the roll over downslope. Secure RECPs over compacted soil with a row of staples/stakes/pins spaced at ST apart across the width of the RECPs.
- Roll the RECPs down or horizontally across the slope. RECPs will unroll with appropriate side against the soil surface. All RECPs must be securely fastened to soil surface by placing staples/stakes/pins in appropriate locations as shown in the staple pattern guide. RollMax RECPs and ECBs should utilize Staple Pattern C, TRMs and VMax materials should utilize Staple Pattern D.
- The edges of parallel RECPs must be stapled with approximately (10 - 15 cm) overlap.
- Consecutive RECPs spliced down the slope must overlapped with the upstream mat atop the downstream mat (shingle style). The overlap should be (10 - 15 cm).
- At the terminal end, secure each mat across the width with a row of staples/stakes/pins spaced at ST. If exposed to flow, foot traffic, wind uplift or other disruption, trench the terminal end in as shown in detail.
- Fasteners should provide a minimum of twenty pounds of pullout resistance. (10 cm) X (2.5 cm) eleven gauge staples are typically adequate. In loose soils, longer staples may be necessary, twist pins can provide the greatest pullout resistance. In hard or rocky soils, straight pins may be used where staples or twist pins are refused, provided the minimum pullout requirements are met. Bio-degradable fasteners shall not be used with VMax (TRM) or TMax (HPTRM) materials.



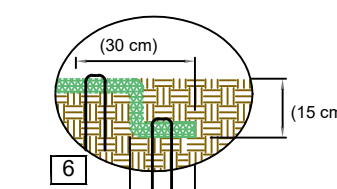
Stapling Detail 1 (Indicating Top Of Slope)

Not To Scale



Stapling Detail 2 (Indicating Top Of Slope)

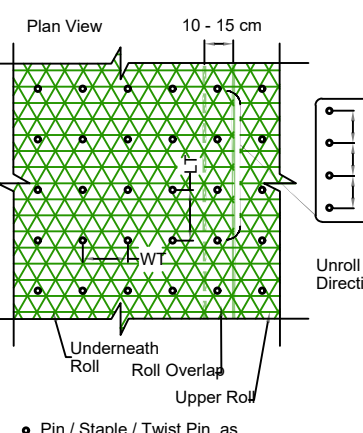
Not To Scale



Stapling Detail 3 (Indicating Base Of Slope)

Not To Scale

Stapling Pattern Guide



Dimension	C	D
WT	(75 cm)	(60 cm)
LT	(75 cm)	(50 cm)
ST	(45 cm)	(45 cm)
Nominal Frequency	1.7 / SY	3.0 / SY
Application	ECB (Degradable)	TRM (Permanent)

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Original Size

A1

SCOTTISH WATER
HEALTH AND SAFETY INFORMATION

IN ADDITION TO THE HAZARDS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILLED ON THIS DRAWING, PLEASE NOTE THE FOLLOWING:
(SEE FULL DESIGN RISK ASSESSMENT FOR DETAILS)

CONSTRUCTION PHASE

RESIDUAL RISK THAT COULD NOT BE OBVIOUS TO A 'COMPETENT CONTRACTOR':	ACTION REQUIRED TO CONTROL RESIDUAL RISK:
- Bank Stability. - Watercourse Subject To Tidal & Storm Flows. - River Levels On Drawing Are Indicative.	- Access To Be Reviewed. - Refer To Tide Charts & Monitor Weather (Including Upstream). - River Levels To Be Verified & Modelling To Be Carried Out During Detailed Design.

SW OPs ACCESS - HORIZONTAL, VERTICAL, PEDESTRIAN, VEHICLE/PLANT

POINTS REQUIRING ACCESS:	METHOD OF ACCESS:
- None.	- Not applicable.

SW OPs HANDLING / LIFTING STRATEGY

ITEMS REQUIRING HANDLING:	METHOD OF HANDLING:
- None.	- Not applicable.

IT IS ASSUMED THAT ALL WORKS WILL BE CARRIED OUT BY A COMPETENT PERSON WORKING, WHERE APPROPRIATE, TO AN APPROVED SAFE SYSTEM OF WORK.

GENERAL NOTES:

- All Levels In Metres Above Ordnance Datum.
- All Dimensions In Millimeters Unless Otherwise Noted.
- River Levels Estimated Using Available Data - To Be Verified During Detailed Design.
- Topographic Survey Mapping From Survey Data From Aspect Land & Hydrographic Surveys Ltd. Dated 10th September 2024.
- For Layout Plan Refer To Drawing Number 604258-AGO-ZZ-XX-DR-C-10001.

Rev	Description	Drawn	Chk'd	Rev'd	App'd	Date
P04	Updated To Suit Mean Water Levels	AC	JN	MY	MY	07/07/25
P03	Updated Following River Model Report	AC	JN	MY	MY	27/05/25
P02	Sections Updated To Suit Layout	AC	JN	JN	MY	23/11/24
P01	Draft For Discussion	WM	JN	JN	MY	28/11/24

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215 & 216 Springfield House
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STIRLING, FK7 9JQ
Tel: 01786 406576

Scale	Status	Subsidiary
As Shown	S2	Suitable for Information

Project Title
Troqueur WwTW
Path & Riverbank Erosion

Drawing Title
River Bank Repair
Sections & Details

Ellipse Equipment No.	Autocode No.
604258-AGO-ZZ-XX-DR-C-10002	

Drawing No.	REV.
604258-AGO-ZZ-XX-DR-C-10002	P04