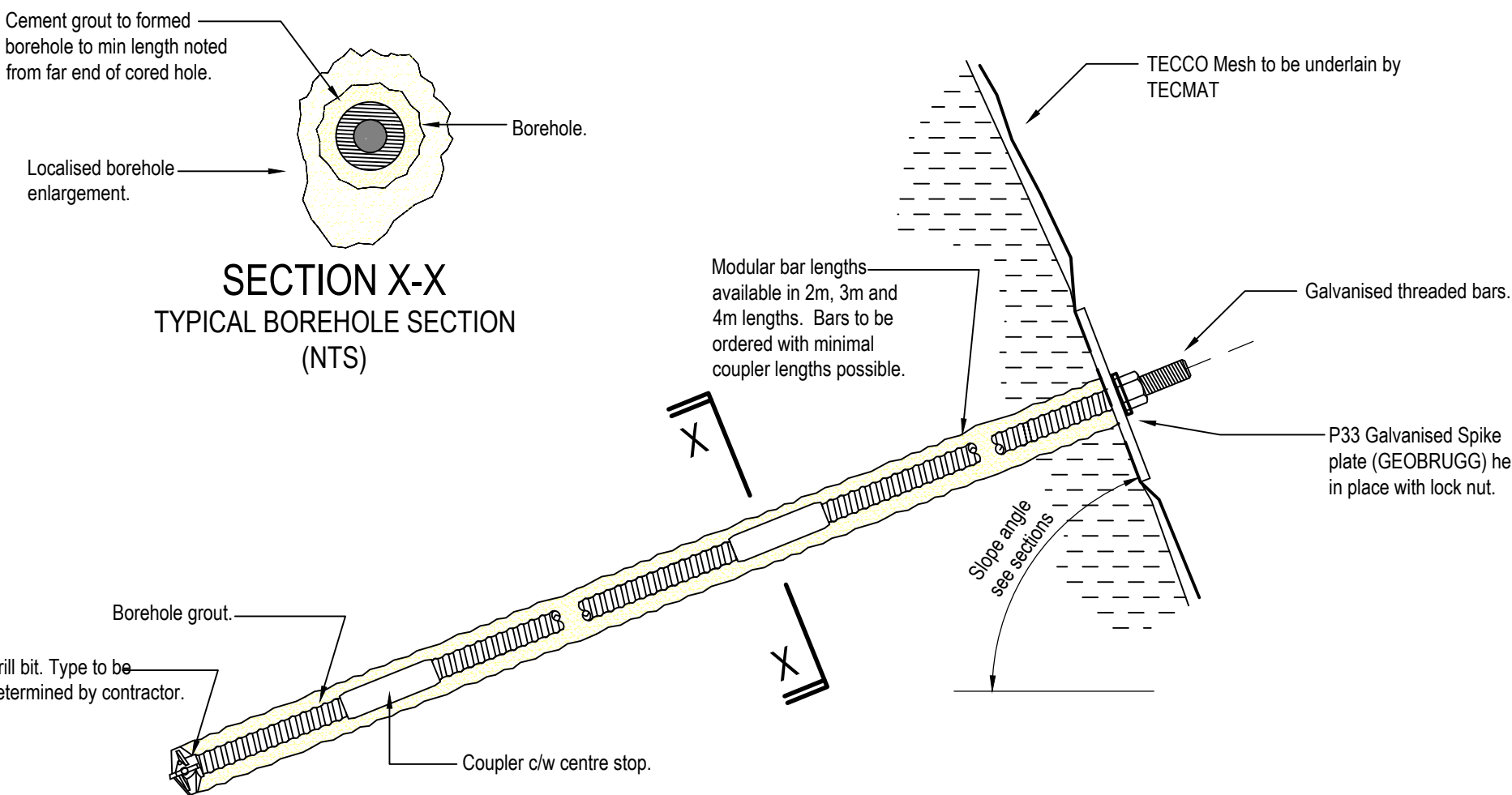


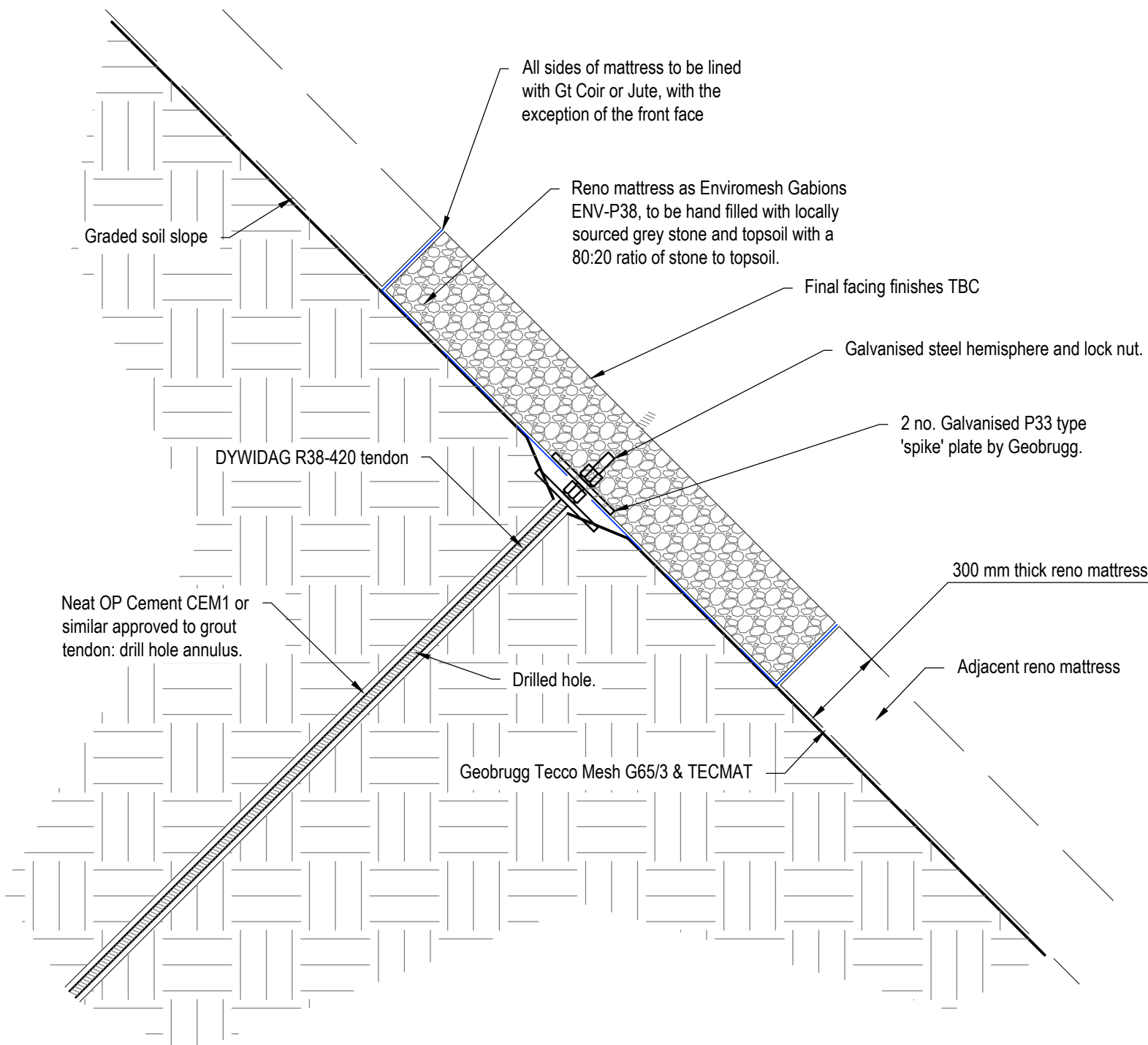
SOIL NAIL MESH DETAIL 1 - TECCO MESH PANEL CONNECTION

SOIL NAIL MESH DETAIL 2 - TECCO MESH AND BOUNDARY ROPE

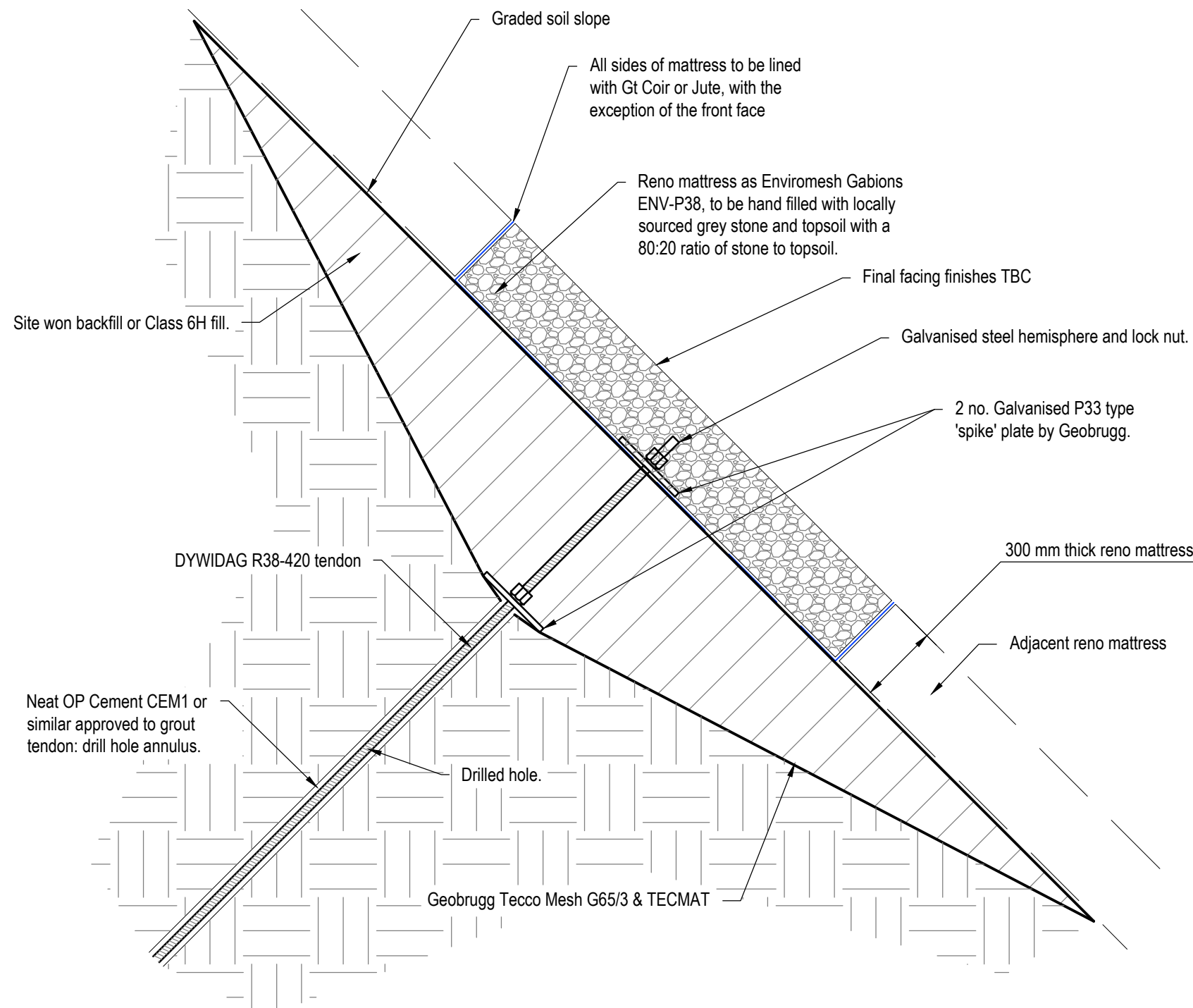
SOIL NAIL MESH DETAIL 3 - TECCO MESH HOLES



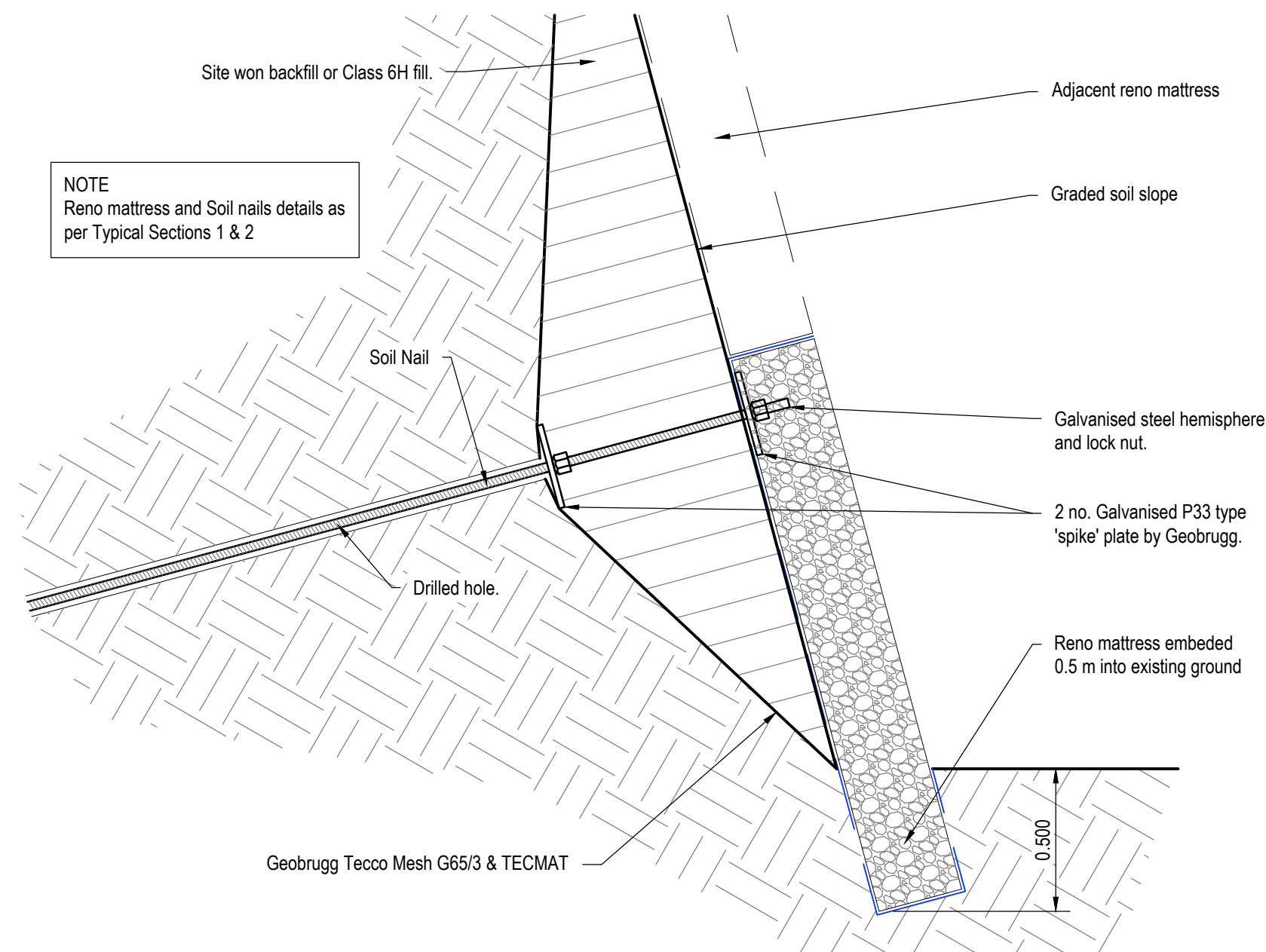
DETAIL 1
SOIL NAIL TENDON
TYPICAL SECTION
(1:10)



TYPICAL SECTION 1
RENO MATTRESS TYPICAL ARRANGEMENT - SCALE (1:20)



TYPICAL SECTION 2
RENO MATTRESS WITH FILL TYPICAL ARRANGEMENT - SCALE (1:20)



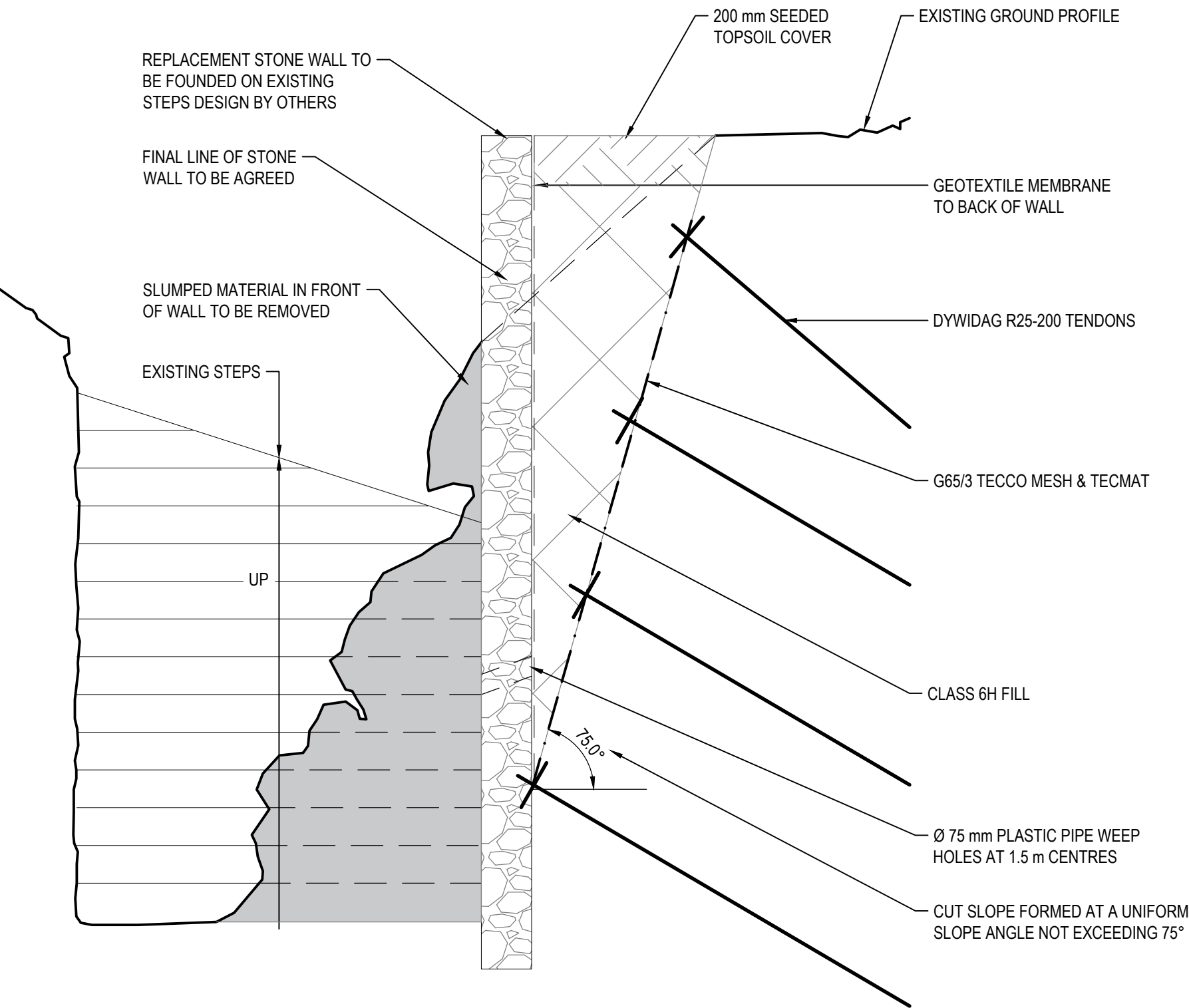
TYPICAL SECTION 3
BASE OF RENO MATTRESS TYPICAL ARRANGEMENT - SCALE (1:20)

Soil Nail Elements:
Galvanized hollow bar System assumes the following criteria:

TABLE 1 - SOIL NAIL PARAMETERS			
BAR TYPE	UNITS	MAIN CUTTING - FALMOUTH ROAD	STAIRWAY CUTTING
		DYWIDAG R38-420	DYWIDAG R25-200
Nominal thread diameter	mm	38	25
Effective external diameter	mm	36.4	23.8
Internal diameter	mm	21	14
Cross-section area	mm²	660	290
Ultimate strength	kN	420	200
Yield strength	kN	350	150
Steel grade (yield/ultimate)	N/mm²	510/610	520/690

Given the design life of 60 years is assumed, the rural location of the proposed works and in accordance with BS 8006-2:2011+A1:2017. Code of practice for strengthened/reinforced soils Part 2: Soil Anchor Design, a corrosivity category of C3 (medium) has been considered appropriate based on the DYWIDAG technical data indicates in 'low' soil aggressivity condition, the following has corrosion parameters been assumed within the design:

TABLE 2 - TENDON PROPERTIES AND STRENGTH PARAMETERS			
BAR TYPE	UNITS	MAIN CUTTING - FALMOUTH ROAD	STAIRWAY CUTTING
		DYWIDAG R38-420	DYWIDAG R25-200
Sacrificial thickness	mm	4.9	4.9
Cross-sectional area (with rusting away)	mm²	406	129
Ultimate strength	kN	256	86
0.2% yield strength	kN	214	65



STEPS
BANK REPAIR DETAILS - SCALE (1:50)

GENERAL NOTES

- All proprietary products to be installed strictly in accordance with manufacturers instructions.
- This drawing is to be read in conjunction with all other relevant Jubb drawings, specifications 21287-SPEC-01 and Geotechnical Design Report 21287-GDR-01.
- All drawings and survey information are to AOD. Survey sections are based on survey information provided by the client.
- Refer to drawings 21287-JCE-XX-ZZ-DR-Y-0601 to 0604 for detail locations
- Refer to drawing 21287-JCE-XX-ZZ-DR-Y-0600 for general arrangement.
- Sequence of works outline in Sections 3.6.1 of the Specification, 21287-SPEC-01.

T01	07/04/2022	ISSUED FOR TENDER	MD	MT
P02	14/01/2022	REVISED TO COMMENTS	MD	MT
P01	07/01/2022	ADDITIONAL DETAILS ADDED AS CLOUDED	MD	MT
WIP	15/12/2021	WORK IN PROGRESS INITIAL ISSUE	MD	MT
Rev	Date	Description	By	Apvd

PROJECT:
PENRYN SLOPE STABILISATION

TITLE:
TYPICAL DETAILS
SHEET 2

CLIENT:
FALMOUTH TOWN COUNCIL

SCALE@A1:
AS STATED

PROJECT REF:
21287

STATUS: REV:
T01

DRAWING No:
21287-JCE-XX-ZZ-DR-Y-0651

Revision Referencing
P = Preliminary A = Approval T = Tender C = Construction

Jubb