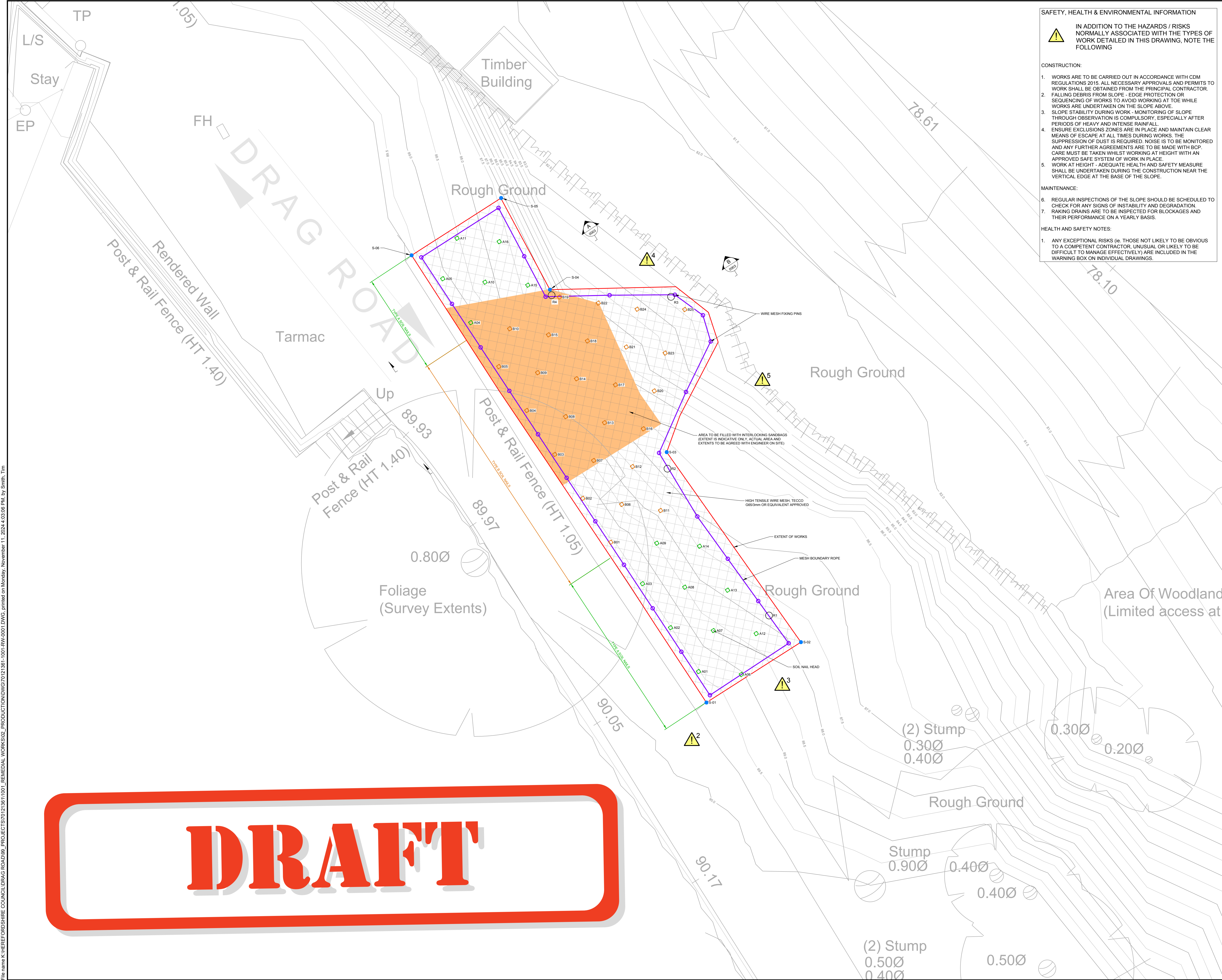


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SAFETY, HEALTH & ENVIRONMENTAL INFORMATION

IN ADDITION TO THE HAZARDS / RISKS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED IN THIS DRAWING, NOTE THE FOLLOWING

CONSTRUCTION:

- WORKS ARE TO BE CARRIED OUT IN ACCORDANCE WITH CDM REGULATIONS 2015. ALL NECESSARY APPROVALS AND PERMITS TO WORK SHALL BE OBTAINED FROM THE PRINCIPAL CONTRACTOR.
- FALLING DEBRIS FROM SLOPE - EDGE PROTECTION OR SEQUENCING OF WORKS TO AVOID WORKING AT TOE WHILE WORKS ARE UNDERTAKEN ON THE SLOPE ABOVE.
- SLOPE STABILITY DURING WORK - MONITORING OF SLOPE THROUGH OBSERVATION IS COMPULSORY, ESPECIALLY AFTER PERIODS OF HEAVY AND INTENSE RAINFALL.
- ENSURE EXCLUSIONS ZONES ARE IN PLACE AND MAINTAIN CLEAR MEANS OF ESCAPE AT ALL TIMES DURING WORKS. THE SUPPRESSION OF DUST IS REQUIRED. NOISE IS TO BE MONITORED AND ANY FURTHER AGREEMENTS ARE TO BE MADE WITH BCP. CARE MUST BE TAKEN WHILST WORKING AT HEIGHT WITH AN APPROVED SAFE SYSTEM OF WORK IN PLACE.
- WORK AT HEIGHT - ADEQUATE HEALTH AND SAFETY MEASURE SHALL BE UNDERTAKEN DURING THE CONSTRUCTION NEAR THE VERTICAL EDGE AT THE BASE OF THE SLOPE.

MAINTENANCE:

- REGULAR INSPECTIONS OF THE SLOPE SHOULD BE SCHEDULED TO CHECK FOR ANY SIGNS OF INSTABILITY AND DEGRADATION.
- RAKING DRAINS ARE TO BE INSPECTED FOR BLOCKAGES AND THEIR PERFORMANCE ON A YEARLY BASIS.

HEALTH AND SAFETY NOTES:

- ANY EXCEPTIONAL RISKS (ie. THOSE NOT LIKELY TO BE OBVIOUS TO A COMPETENT CONTRACTOR, UNUSUAL OR LIKELY TO BE DIFFICULT TO MANAGE EFFECTIVELY) ARE INCLUDED IN THE WARNING BOX ON INDIVIDUAL DRAWINGS.

DO NOT SCALE

NOTES

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- DRAWING TO BE PRINTED IN COLOUR.
- THE BOTTOM EDGE OF THE HIGH TENSILE WIRE MESH MAY NEED TO BE ADJUSTED ON SITE TO SUIT THE GROUND CONDITIONS.
- RANKING DRAINS ARE TO BE INSPECTED FOR BLOCKAGES AND THEIR PERFORMANCE ON A YEARLY BASIS.
- REFER TO DRAWING 0003 FOR SECTIONS.

LEGEND

- B01 TYPE A SOIL NAIL
- A01 TYPE B SOIL NAIL
- R01 LONG HOLE DRAIN
- MESH FIXING PIN
- INDICATIVE AREA OF SAND BAGS TO FILL VOID

Scale

0 25 50
1:1,000 METRES

SOP: EXTENT OF WORKS			SOP: SOIL NAILS		
ID	EASTING (m)	NORTHING (m)	ID	EASTING (m)	NORTHING (m)
S-06	355400.01	216806.65	A11	355401.31	216807.14
S-05	355402.58	216808.30	A16	355402.53	216807.04
S-04	355403.99	216805.66	A05	355400.90	216805.97
S-03	355407.35	216800.98	A12	355409.93	216795.75
S-02	355411.22	216795.51	A01	355408.27	216794.66
S-01	355408.50	216793.77	A06	355409.50	216794.58

REV	DATE	BY	DESCRIPTION	CHK	APP
S4	05/11/2024	TS	FIRST ISSUE	ML	ML

DRAWING STATUS:

S4 - FOR CONSTRUCTION APPROVAL

CLIENT:

HEREFORDSHIRE COUNCIL

ARCHITECT:

SITE/PROJECT:

BBLP2425 DRAG ROAD - REMEDIAL WORKS

TITLE:

GENERAL ARRANGEMENT PLAN

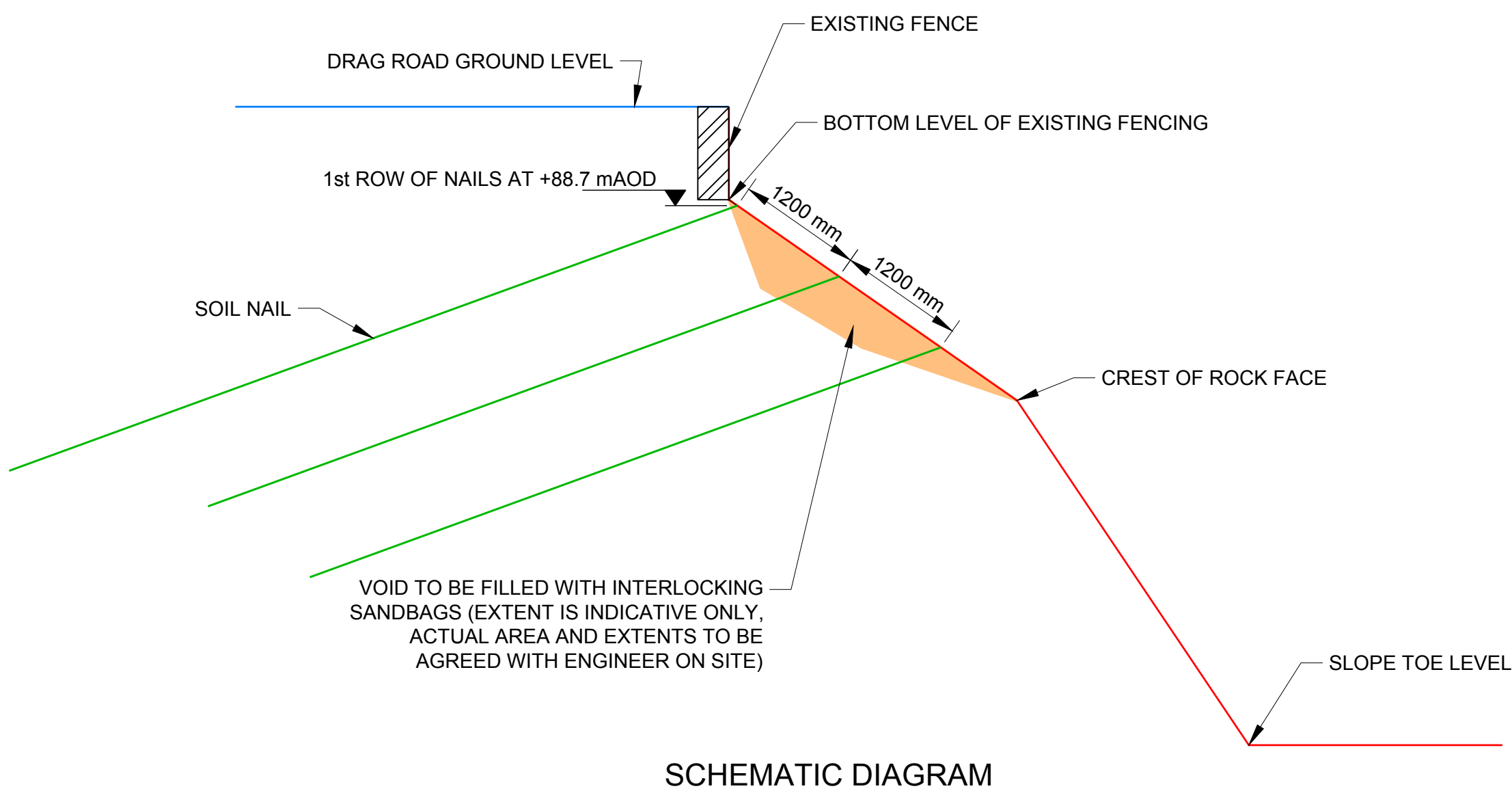
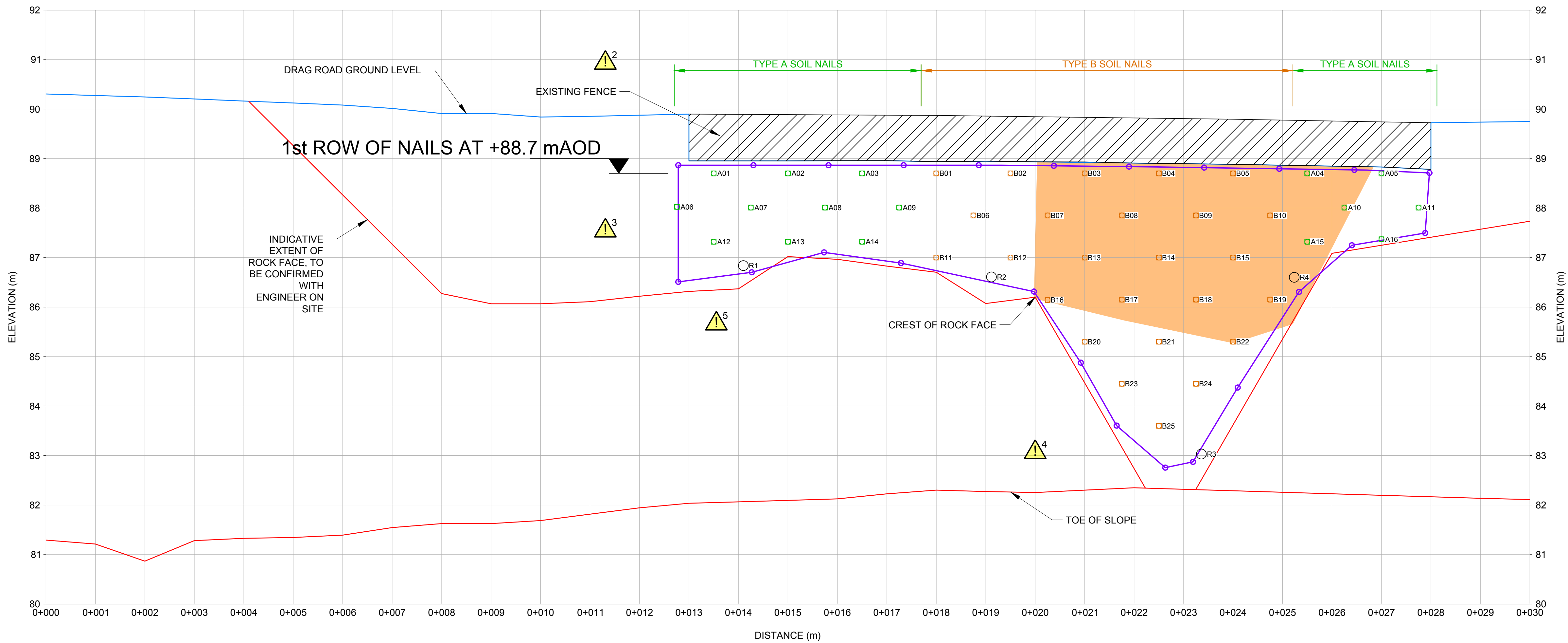
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1:50	ML	ML

PROJECT NO:	DESIGNED:	DRAWN:	DATE
70121361	ML	TS	2024-11-05

DRAWING NO:	REV:
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SCHEMATIC DIAGRAM

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MATERIAL CHARACTERISTICS										
ID	ELEMENT	MAX. DESIGN RETAINING HEIGHT (m)	VERTICAL SPACING (m)	HORIZONTAL SPACING (m)	LENGTH (m)	INCLINATION ANGLE (°)	GROUT DIAMETER (mm)	BEARING PLATE	SOIL NAIL DIAMETER (NOMINAL/INTERNAL) (mm)	MINIMUM LOAD RESISTANCE (YIELD/ULTIMATE) (kN)
A1 to A5	SOIL NAIL	4	1.2	1.5	7.5	20	100	P33	32/18	190/250
A6 to A16	SOIL NAIL	4	1.2	1.5	6.5	20	100	P33	32/18	190/250
B1 to B25	SOIL NAIL	7.5	1.2	1.5	10	20	100	P33	32/18	190/250

RANKING DRAIN CHARACTERISTICS					
ID	ELEMENT	ADOPTED ON THE SOIL NAIL TYPE	LENGTH (m)	INCLINATION ANGLE UPWARD (°)	DRAINAGE DIAMETER (mm)
R1	LONG HOLES DRAINS	TYPE A	7.5	5	75
R2 to R4	LONG HOLES DRAINS	TYPE B	10	5	75

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- RANKING DRAINS ARE TO BE INSPECTED FOR BLOCKAGES AND THEIR PERFORMANCE ON A YEARLY BASIS.
- DRAINAGE PIPES SHALL BE PERFORATED PIPES WRAPPED WITH GEOTEXTILE.
- THE CONTRACTOR SHALL ENSURE THAT SOIL NAIL AND DRAINAGE PIPES SHALL NOT CONFLICT WITH ONE ANOTHER.

LEGEND

- B01 TYPE A SOIL NAIL
- A01 TYPE B SOIL NAIL
- R1 LONG HOLE DRAIN
- MESH FIXING PIN
- INDICATIVE AREA OF SAND BAGS TO FILL VOID

REV	DATE	BY	DESCRIPTION	CHK	APP
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CLIENT: HEREFORDSHIRE COUNCIL

ARCHITECT:

SITE/PROJECT: BBLP2425 DRAG ROAD - REMEDIAL WORKS

TITLE: GENERAL ARRANGEMENT PLAN

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PROJECT NO: 70121361	DESIGNED: ML	DRAWN: TS
DATE: 2024-11-05	REV: S4	

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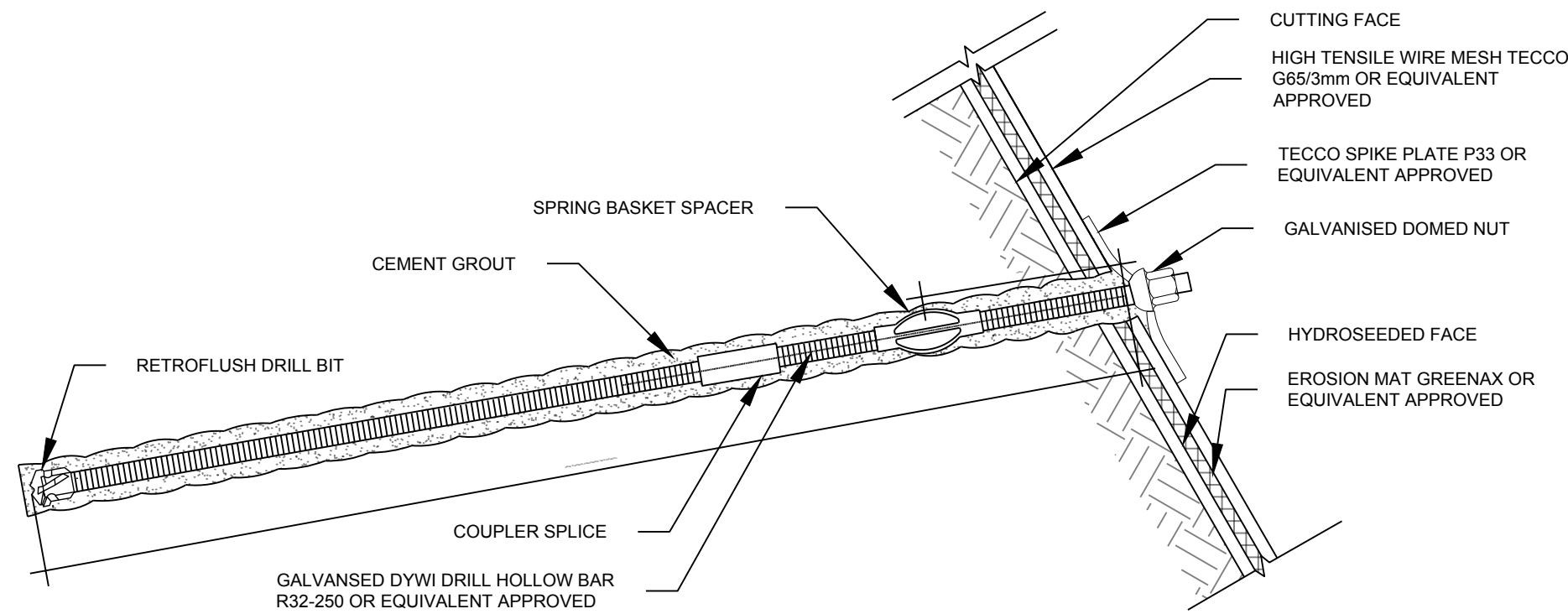
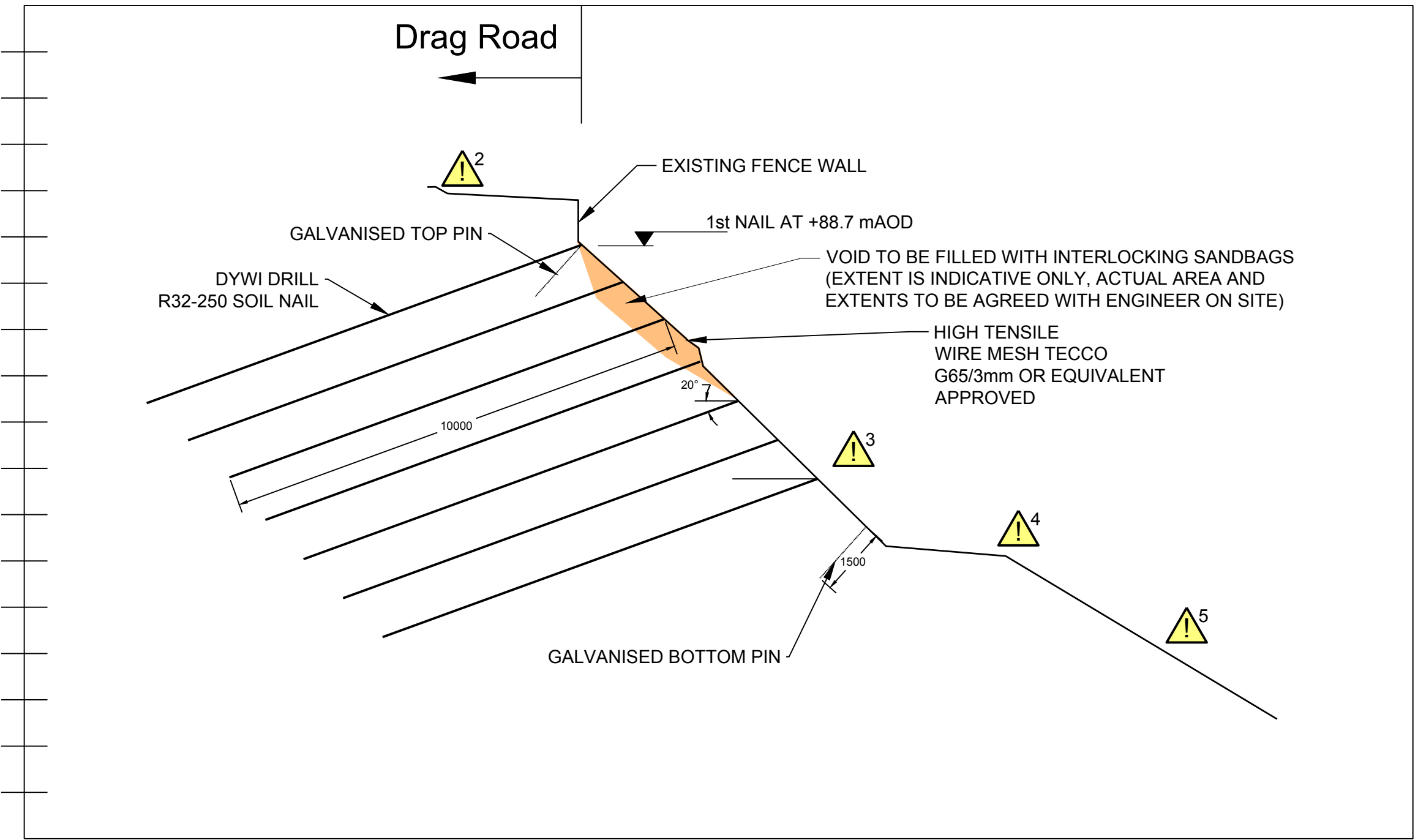
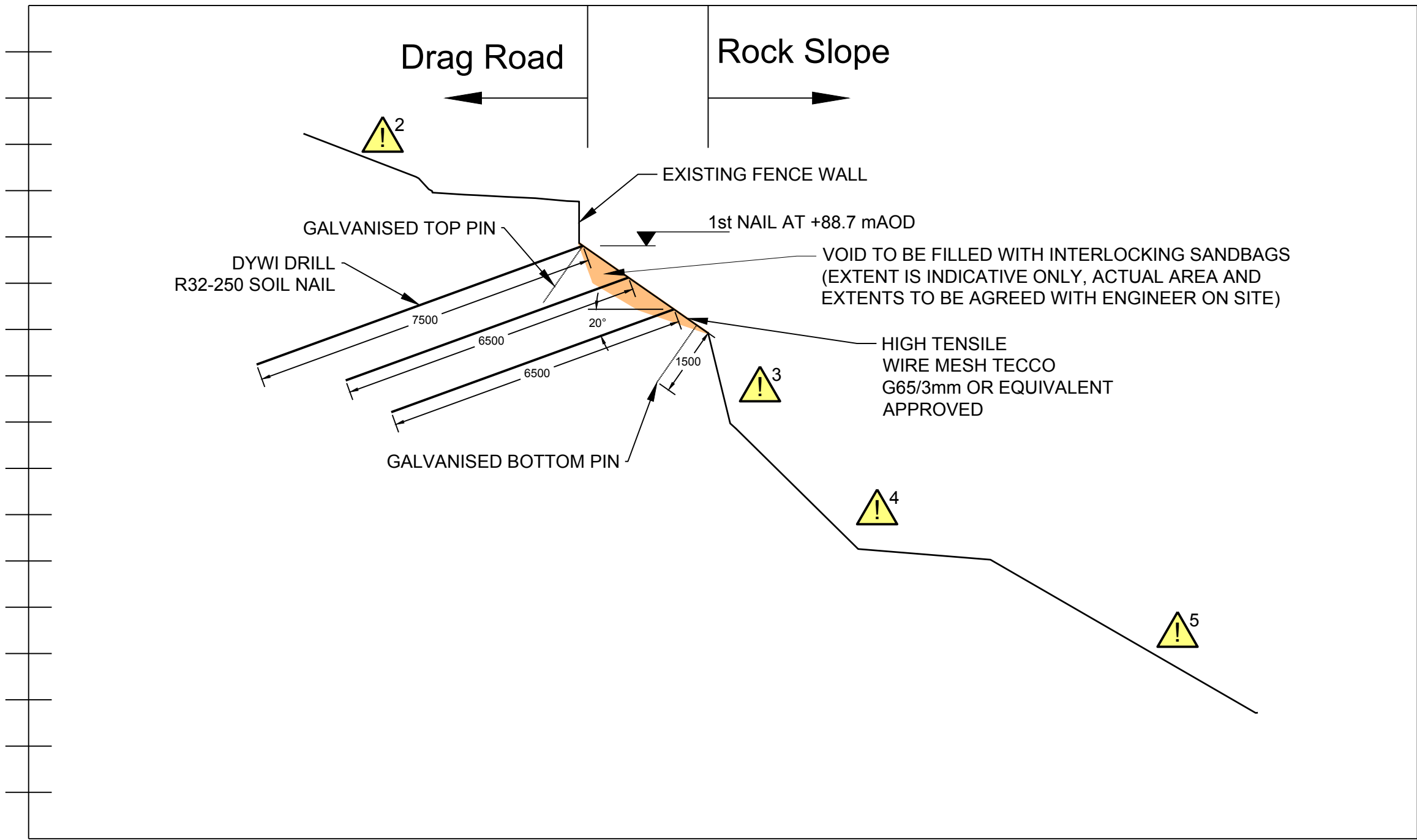
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4. ELEVATION SHOWS VERTICAL SPACING OF SOIL NAILS IN VERTICAL DISTANCE, NOT THE DISTANCE ALONG THE SLOPE SURFACE. THE VERTICAL SPACING OF SOIL NAILS ALONG THE SLOPE SURFACE SHALL BE 1.2 M EACH.

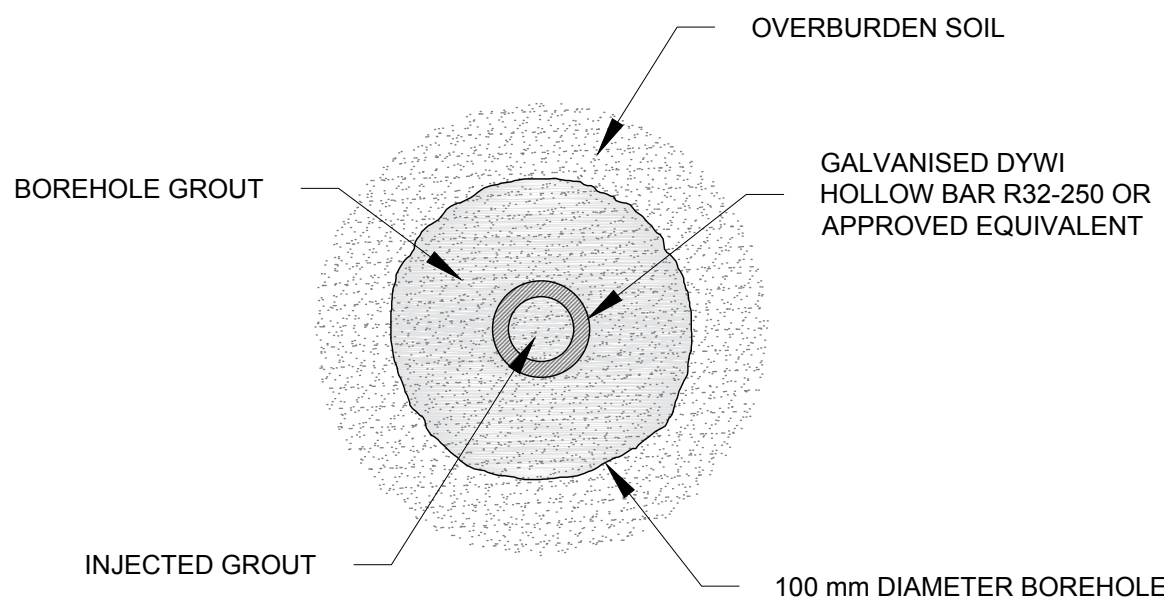
GROUT SPECIFICATION:

THE GROUT SHALL COMPLY WITH THE REQUIREMENTS OF A DC-4 CONCRETE IN ACCORDANCE WITH BRE SPECIAL DIGEST 1. AS SUCH, THE FOLLOWING CONCRETE MIXES ARE SHOWN FOR DISCUSSION. SPECIALIST SUBCONTRACTOR TO ADVISE ON WHAT IS MOST PRACTICAL FOR INSTALLATION.

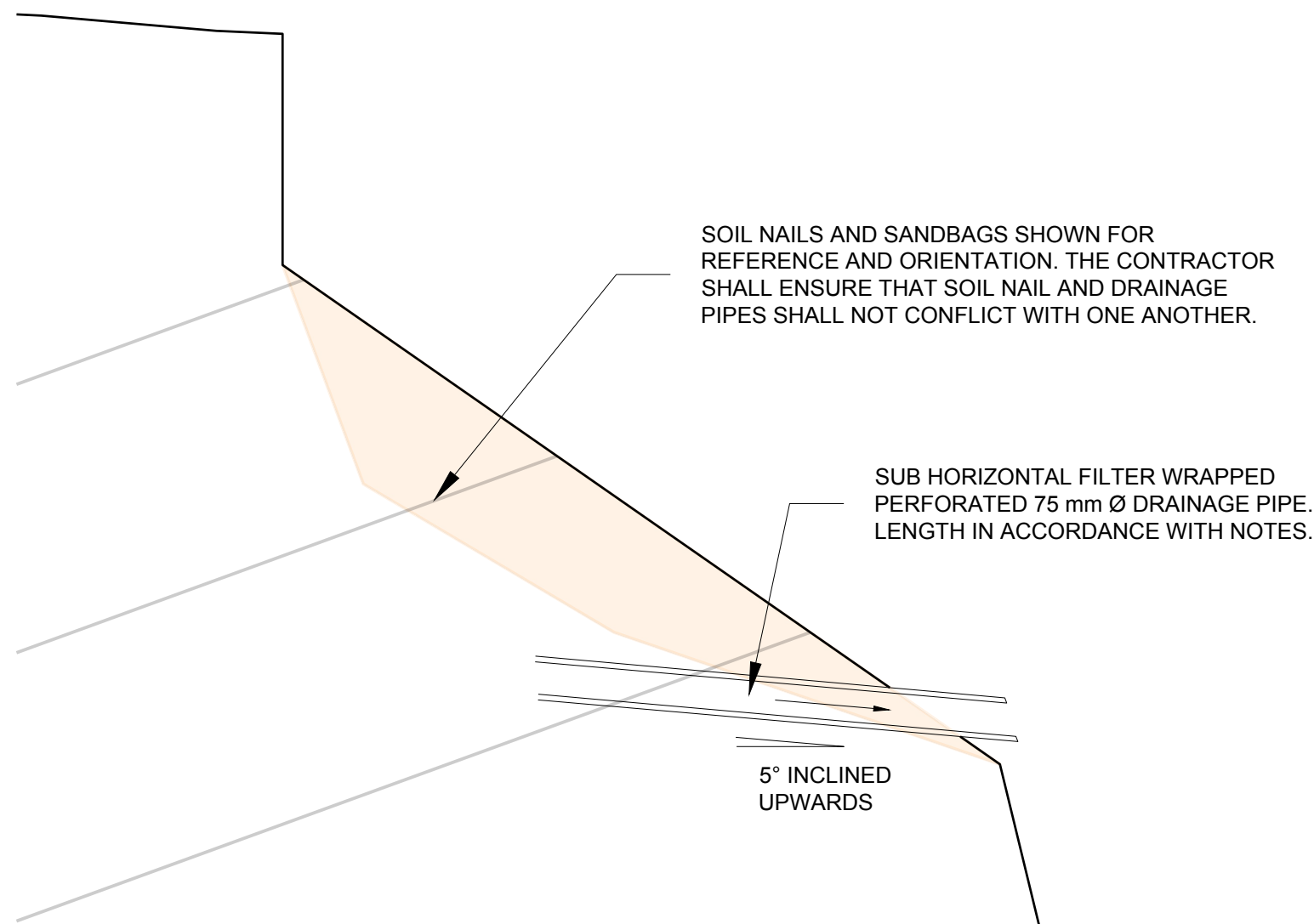
DESIGNATION	NOTATION	MAXIMUM WATER - CEMENT RATIO	STANDARD
BLASTFURNACE CEMENT	CEM III/B+SR	0.450	BS EN 197-1&4
POZZOLANIC CEMENT	CEM I/B(V) V/LH I/B(V)	0.400	BS EN 197-1 BS EN14216
PORTLAND SILICEOUS FLY ASH BLASTFURNACE CEMENT SULPHATE RESISTING PORTLAND CEMENT	CEM III/B+V+SR CEM 111/A+SR SRPC	0.350	BS EN 197-1 BS EN 197 - 1&4 BS 4027



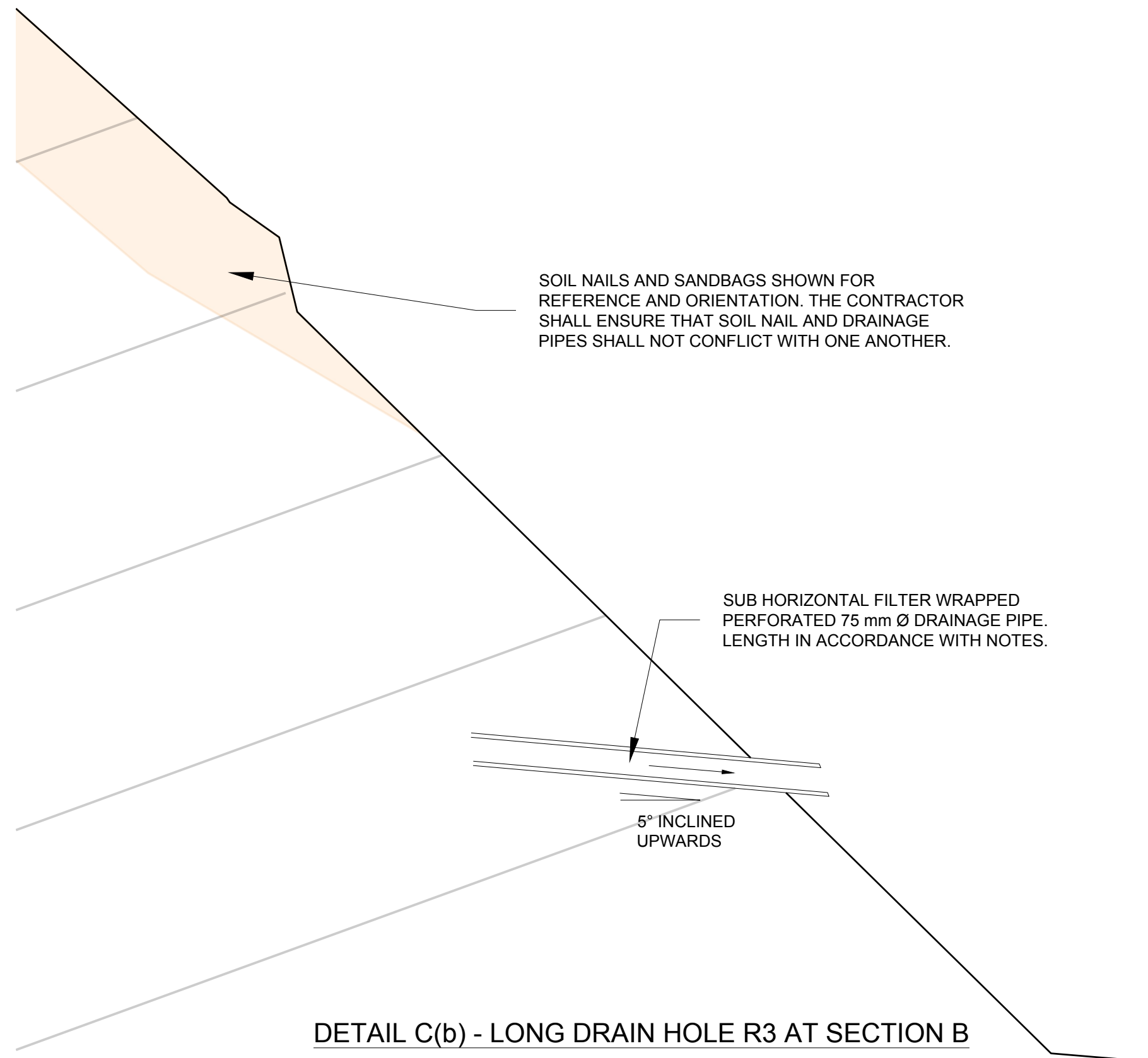
DETAIL A - SOIL NAIL WITH FLEXIBLE FACING



DETAIL B - SECTION THROUGH NAIL



DETAIL C(a) - LONG DRAIN HOLE R4 AT SECTION A



DETAIL C(b) - LONG DRAIN HOLE R3 AT SECTION B

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SITE/PROJECT:
BBLP2425 DRAG ROAD - REMEDIAL WORKS

TITLE:
GENERAL ARRANGEMENT PLAN

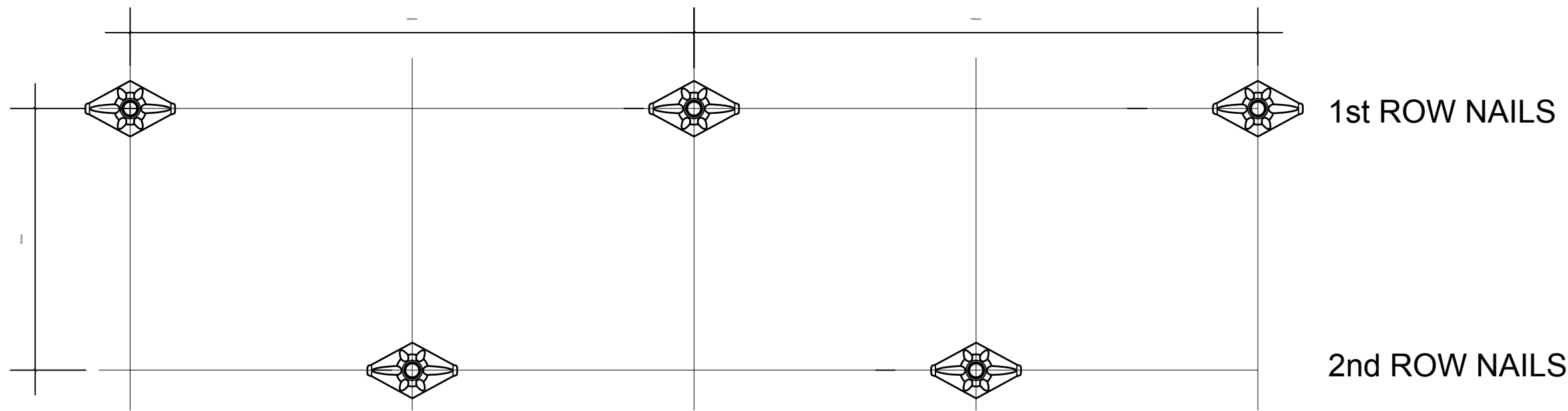
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APPROVED: ML

PROJECT NO: 70121361
DESIGNED: ML
DRAWN: TS
DATE: 2024-11-05

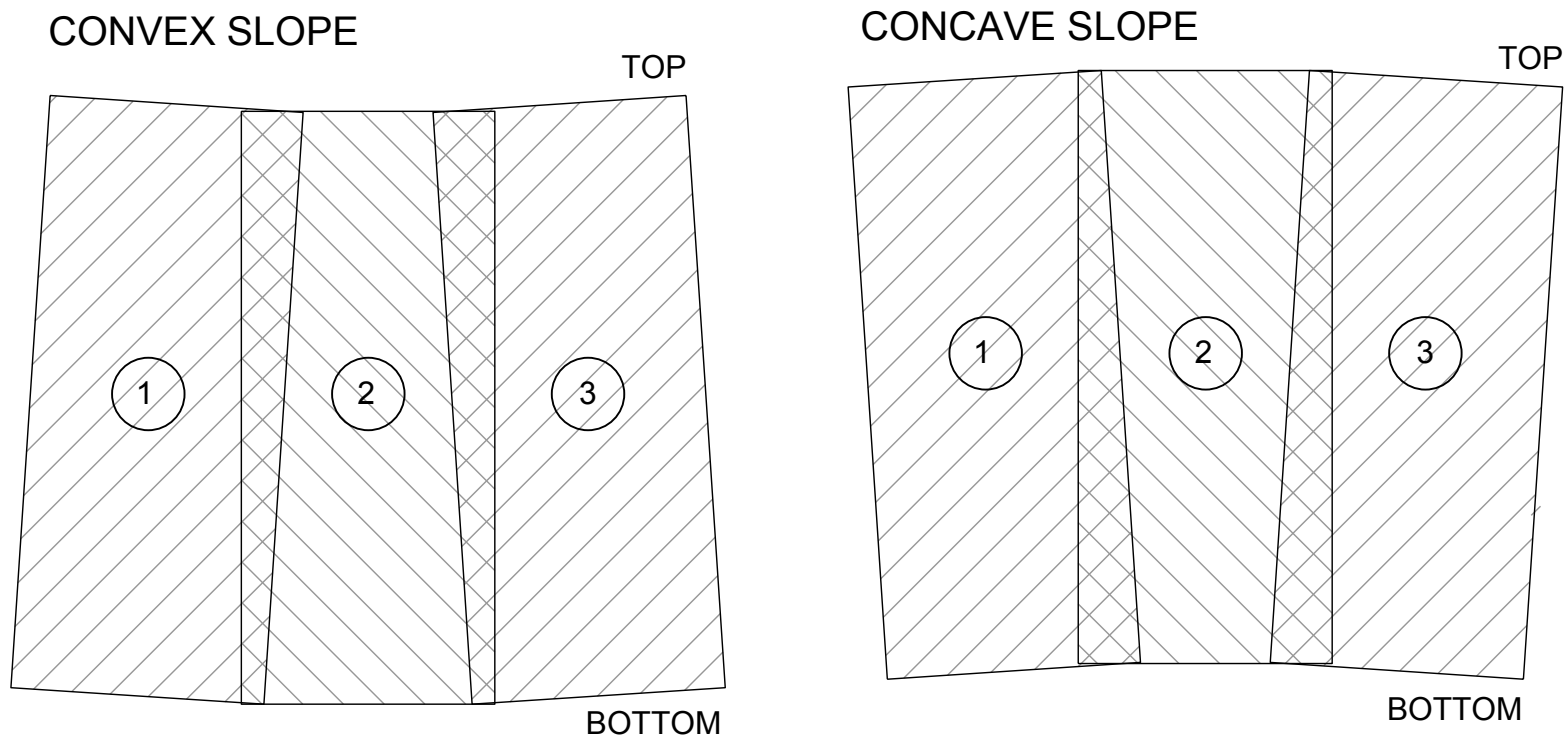
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REV: S4

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(DISTANCE ALONG TO THE SLOPE SURFACE)



POSITIONING OF SOIL NAILS (VERTICAL PLANE)



ADJACENT ROLLS OF MESH SHALL BE CONNECTED USING CLIPS ALONG THE EDGES IN A METHOD APPROVED BY THE MANUFACTURER

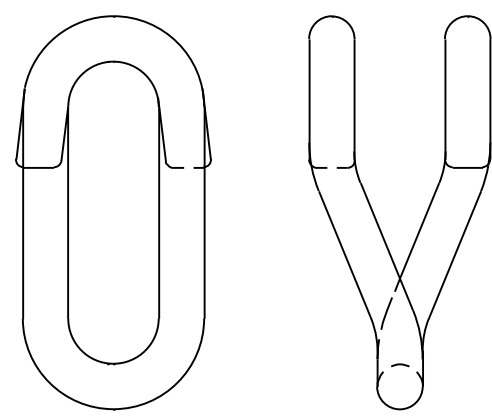
DETAIL G - FLEXIBLE FACING OVERLAPPING



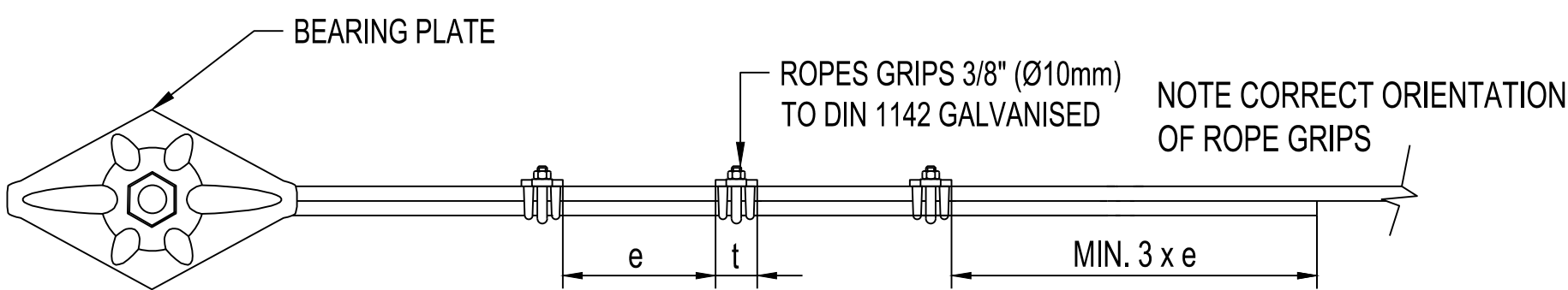
TECCO SYSTEM SPIKE PLATE P33



CONNECTION CLIP T3

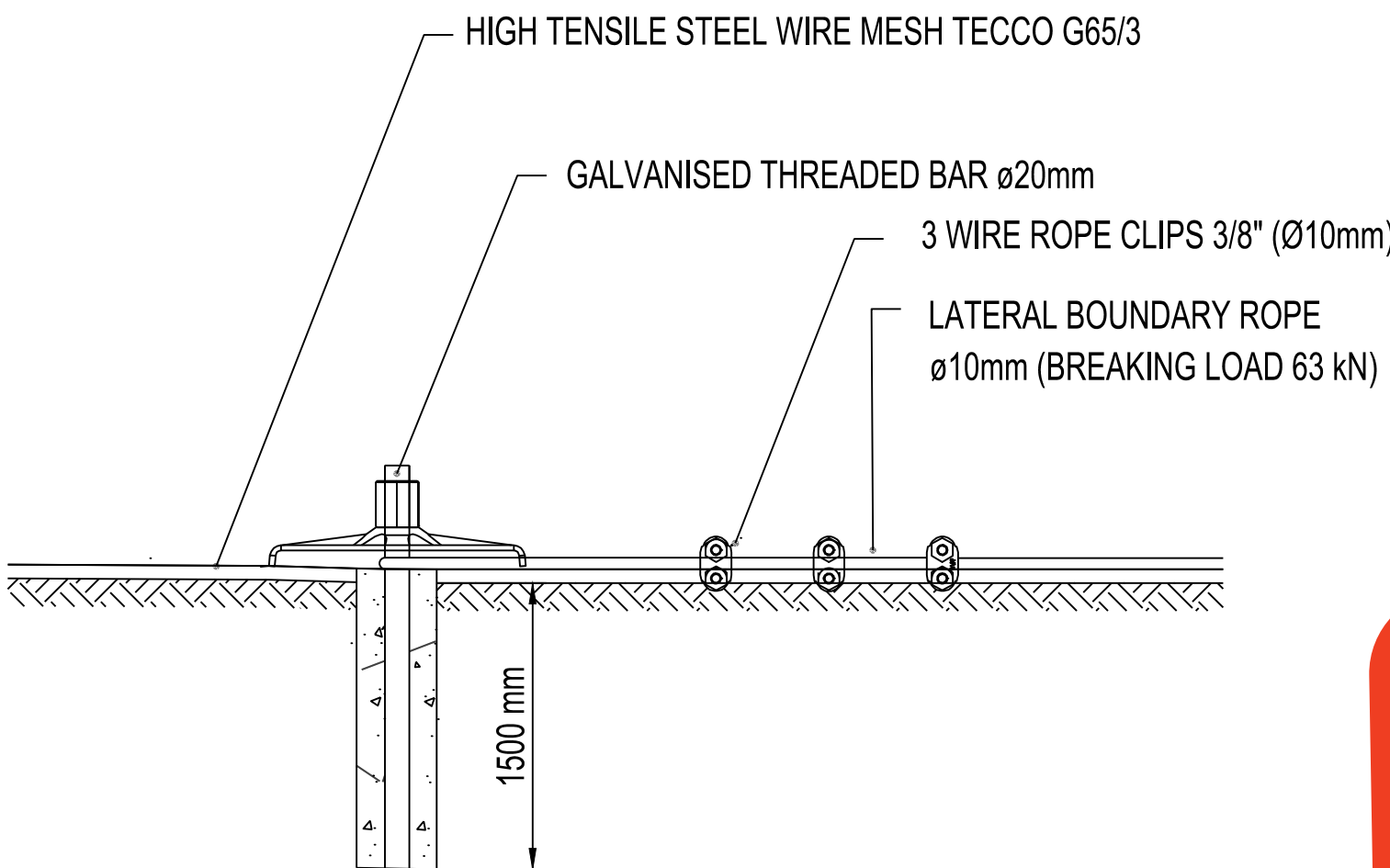


PRESS CLAW TYPE 2

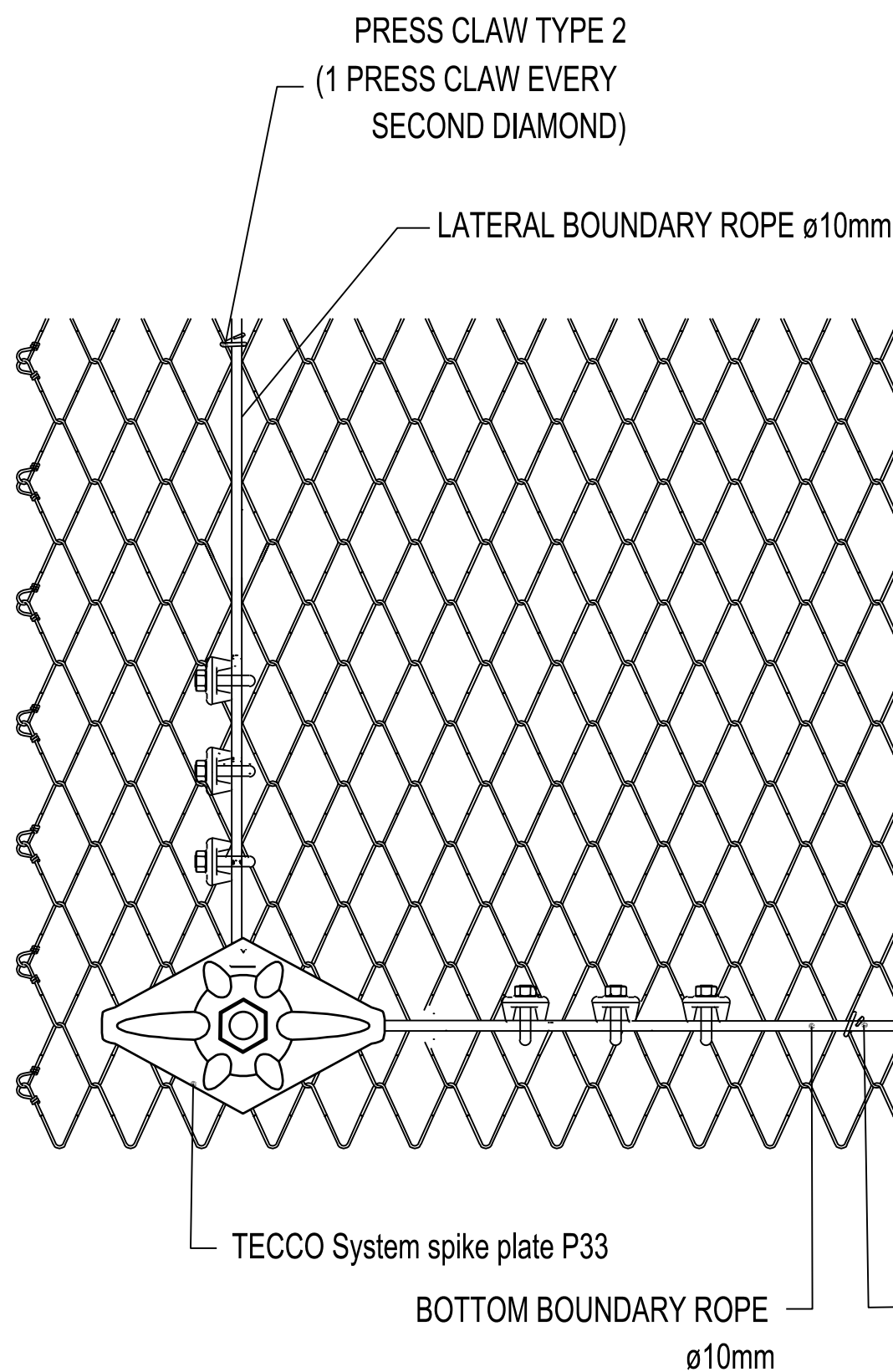


DETAIL D - TYPICAL CABLE END FIXING

NOTES:
t = WIDTH OF THE CLAMPING JAWS
e = DISTANCE BETWEEN WIRE ROPE CLIPS MIN. 1t BUT NOT EXCEED 2t

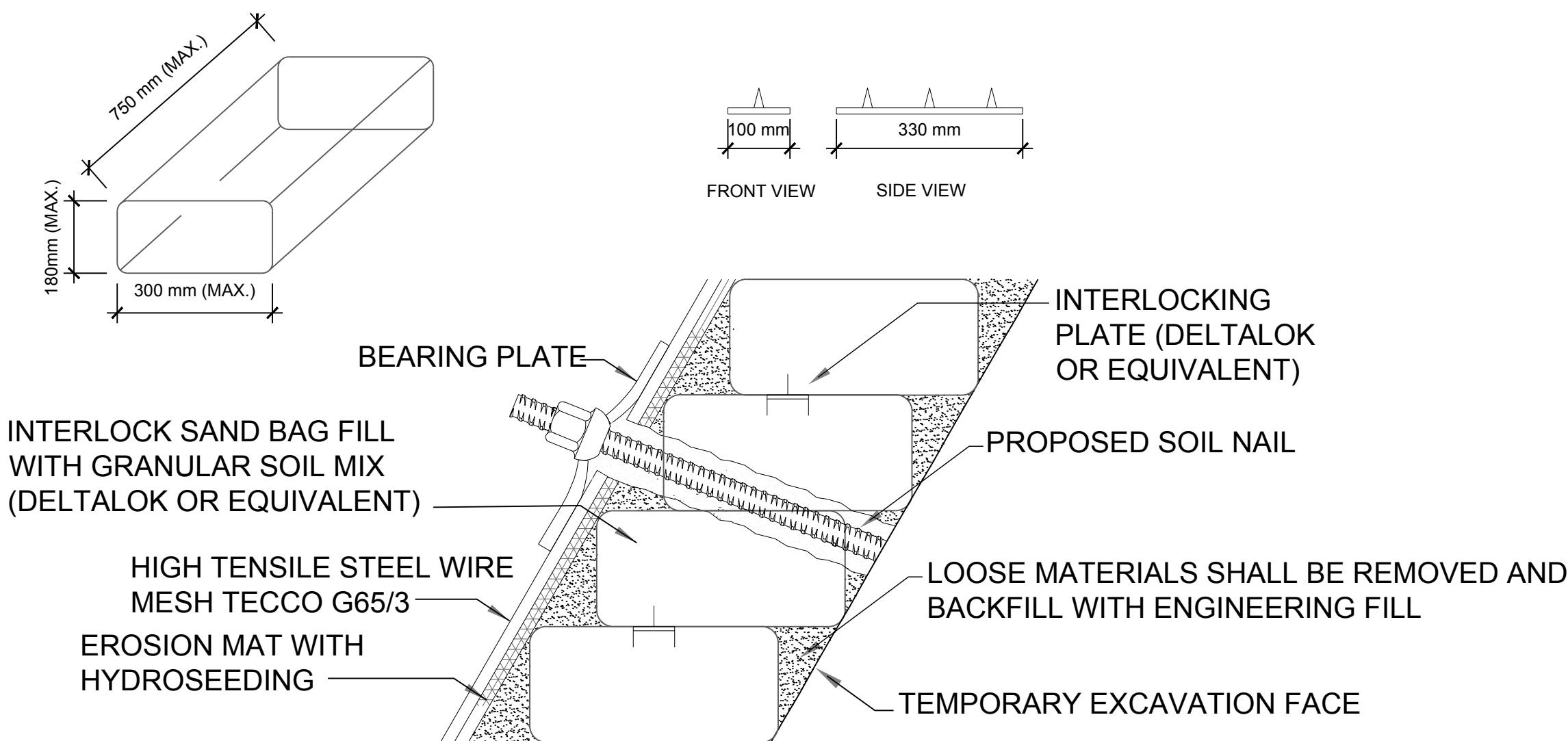


DETAIL H - TYPICAL DETAIL FOR TOP AND BOTTOM MESH FIXING PINS

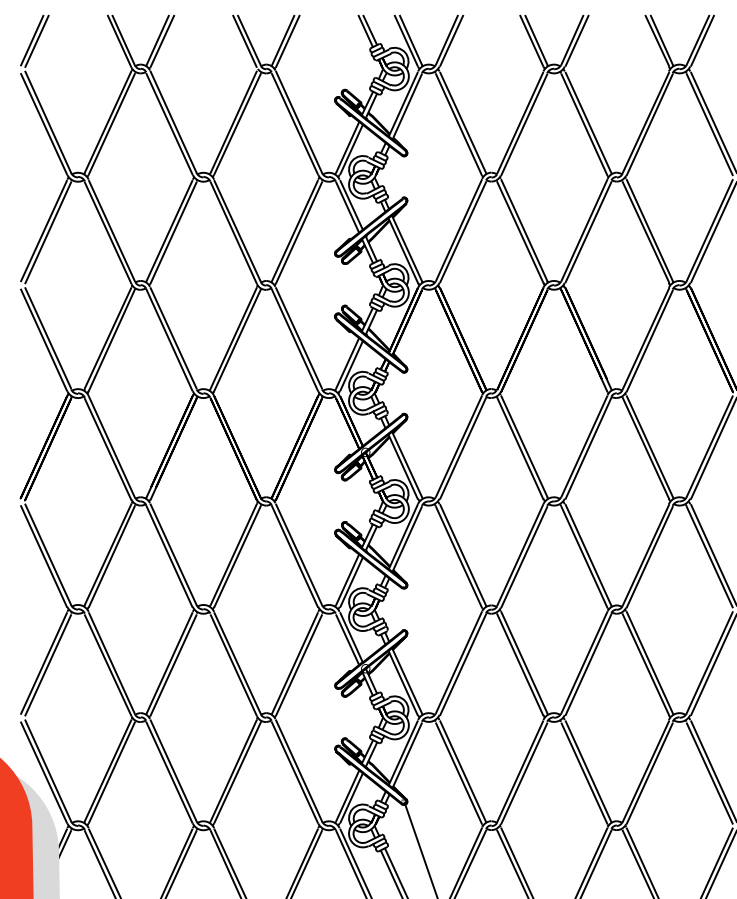


DETAIL E - WIRE ROPE ARRANGEMENT

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DETAIL J - TYPICAL DETAIL FOR INTERLOCK SAND BAG



DETAIL F - TECCO MESH CONNECTION

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