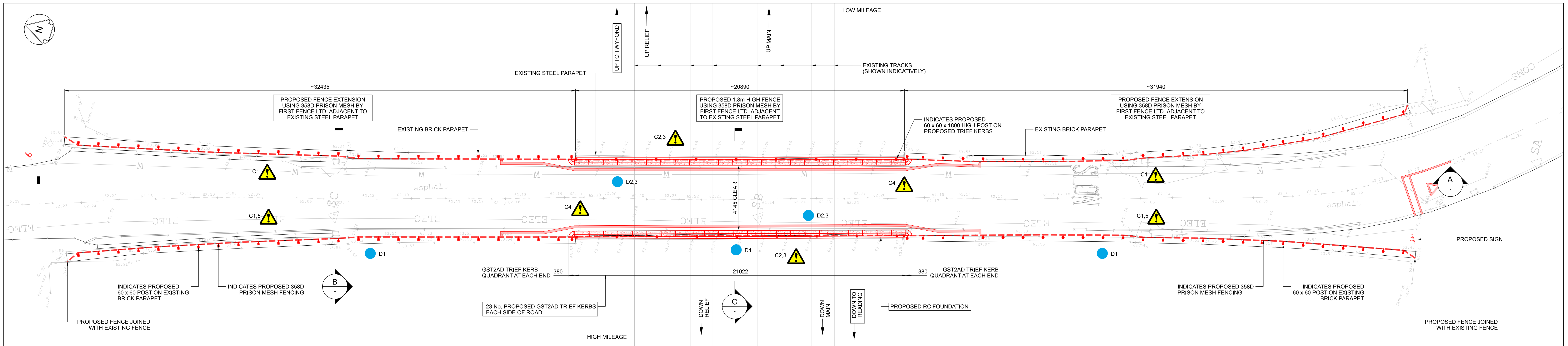
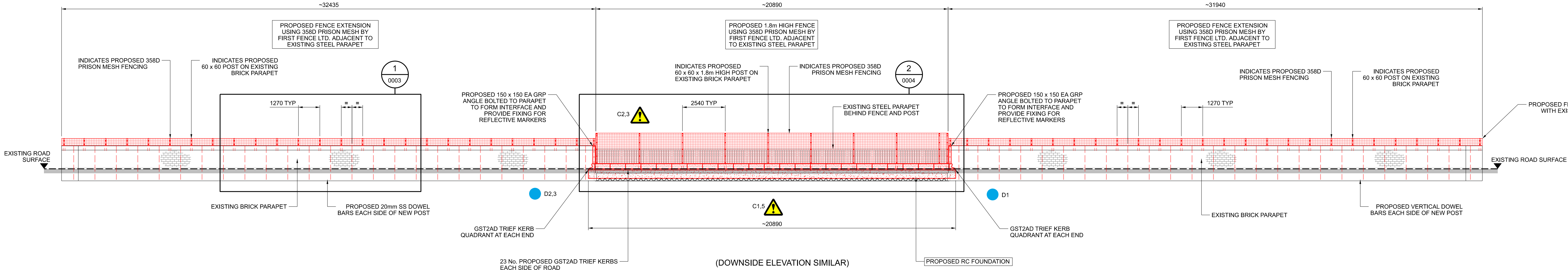


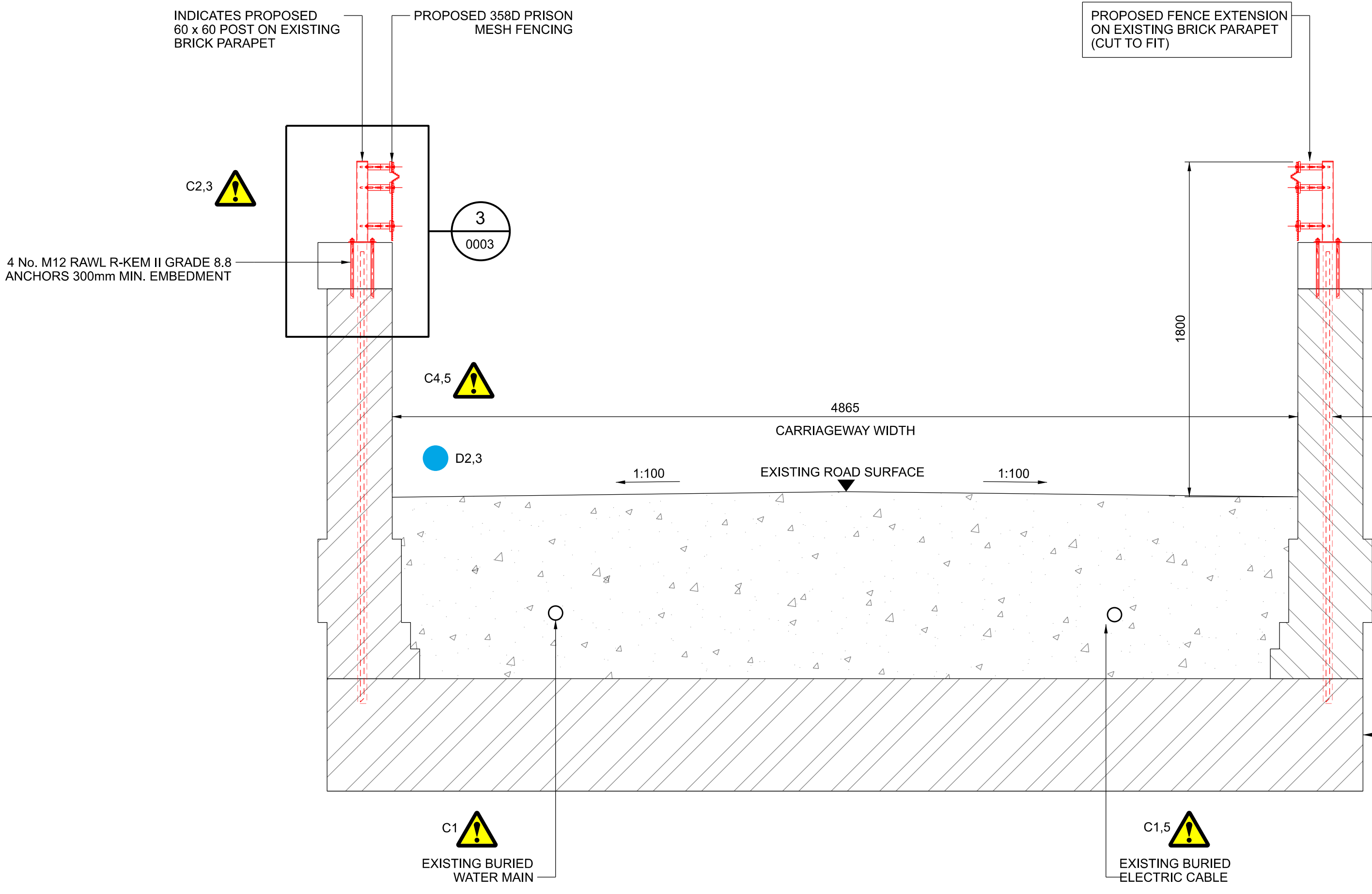


PLAN ON PROPOSED ANTI-CLIMB WORKS
1:100
SCALE 1:100

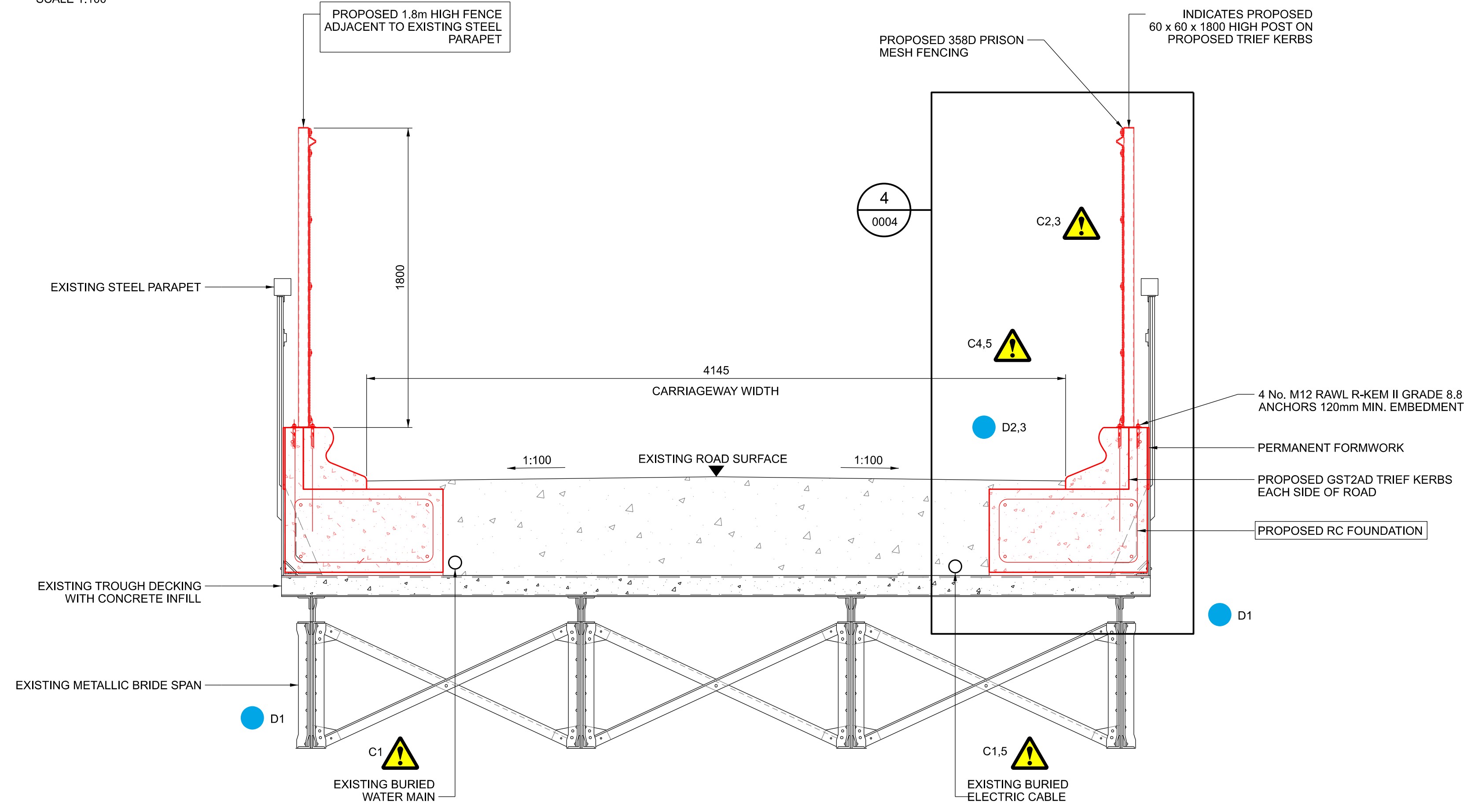
FOR ROAD MARKING AND
REQUIRED SIGNAGE REFER TO
DRAWING 02003-BBR-DRG-CIV-0004



ELEVATION ON PROPOSED ANTI-CLIMB WORKS
1:100
SCALE 1:100



B SECTION ON PROPOSED BRICKS PARAPET EXTENSION
1:20
SCALE 1:20

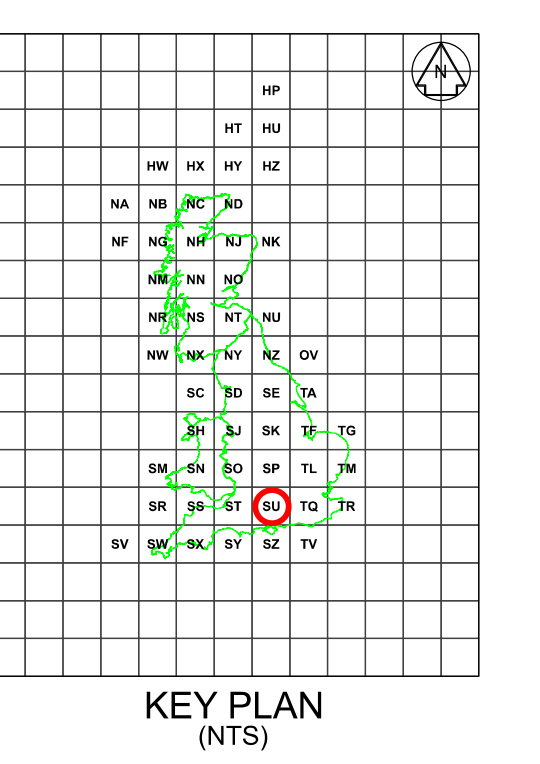


C SECTION ON PROPOSED STEEL PARAPET EXTENSION
1:20
SCALE 1:20

KEY	COLOUR	USE
	BLACK	EXISTING OR UNCHANGED
	BLUE	MODIFIED OR TO BE REMOVED
	GREEN	REDUNDANT OR TO BE REMOVED
	RED	NEW, PROPOSED OR ADDITIONAL
	MAGENTA	BY OTHERS

- These notes are based on the use of experienced and competent contractors carrying out the work using an approved safe method of working.
- Key to Health and Safety Symbols
- Indicates a residual risk requiring a compulsory action.
 - ⓘ Indicates a residual risk for information.
 - ⚡ Indicates a residual risk requiring a prohibitive action.
 - ⚠ Indicates a residual risk as a warning.

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION			
NOTES BELOW ARE ADDITIONAL TO HAZARDS/RISKS NORMALLY ASSOCIATED WITH THIS TYPE OF WORK. NUMBERS CORRESPOND TO RISK REGISTER REFERENCES - SEE GENERAL NOTES DRAWING FOR DETAILS.			
CONSTRUCTION			
● D1	STRUCTURAL FAILURE TO EXISTING STRUCTURE	⚡ C4	VEHICLE IMPACT SERVICES
● D2	IMPACT / LOADING FROM PEDESTRIANS & WIND	⚡ C5	ELECTROCUTION
● D3	IMPACT / LOADING FROM VEHICLES		
⚠ C1	EXISTING BURIED SERVICES		
⚠ C2	FALLS FROM HEIGHT		
⚠ C3	FALLING DEBRIS / MATERIALS / EQUIPMENT ON TO RAILWAY		
MAINTENANCE			
Dismantling / Demolition (Future)			
No risk identified			
Refer to general notes and the Principal Contractor for more information about the risks associated with this work.			



- NOTES:
- WORK TO FIGURED DIMENSIONS ONLY.
 - ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE. ALL LEVELS IN METRES (m).
 - ALL DIMENSIONS HAVE BEEN DERIVED FROM RECORD DRAWINGS SUPPLIED BY NETWORK RAIL.
 - ALL FENCING SHALL BE GREY RAL 7037
 - THIS DRAWING IS TO BE READ IN CONJUNCTION WITH DRGS. Nos. 02003-BBR-DRG-CIV-0001 TO 02003-BBR-DRG-CIV-0005.
 - PROPOSED PARAPETS ARE APPROVED PRODUCTS FROM FIRST FENCE LTD. ADJACENT TO EXISTING STEEL PARAPET.
 - PROPOSED TRIEF KERBS ARE APPROVED PRODUCTS FROM BRETT LANDSCAPING.
 - PROPOSED ANCHORS ARE AS SPECIFIED ON DRAWINGS.
 - PULL TEST TO BE CARRIED OUT ON BRICKWORK ANCHORS. ANCHORS TO BE TESTED FOR A TENSION FORCE OF 1.5 x WORKING LOAD, WHICH IS 16.5kN.
 - ALL STEELWORK SHALL COMPLY WITH BS EN 10025-2 AND BE GRADE S275.

- CONCRETE:
- CONCRETE MIXES:
 - FOUNDATIONS > C32/40
 - BLINDING/BEDDING > C8/10
 - MAX WATER / CEMENT RATIO > 0.55
 - MIN CEMENT CONTENT > 300kg/m³
 - CEMENT TYPE > CEM IVB-V
 - MAX AGGREGATE SIZE > 20mm
 - CONCRETE TO BE CURED BY APPROVED METHOD FOR A MINIMUM OF 7 DAYS. FOR GUIDANCE REFER TO 'CONCRETE ADVICE DOCUMENT No. 20' BY THE CONCRETE SOCIETY.
 - CARE IS TO BE TAKEN TO PROTECT CONCRETE FROM ADVERSE WEATHER. FOR GUIDANCE REFER TO 'CONCRETE ADVICE DOCUMENT No. 20' BY THE CONCRETE SOCIETY.
 - SAMPLING AND TESTING OF CONCRETE IS TO BE CARRIED OUT IN ACCORDANCE WITH BS EN 12501-1 & 2. FOR GUIDANCE REFER TO 'CONCRETE ADVICE DOCUMENT No. 30' BY THE CONCRETE SOCIETY.
 - FIVE CUBES SHALL BE CAST FOR EACH MAIN ELEMENT
 - 2 TO BE CRUSHED AT 7 DAYS
 - 2 TO BE CRUSHED AT 28 DAYS
 - 1 SPARE

- REINFORCED CONCRETE:
- REINFORCEMENT IS TO BE CUT AND BENT IN ACCORDANCE WITH BS 8666.
 - RIBBED BAR REINFORCEMENT IS TO BE B500B IN ACCORDANCE WITH BS 4449 STANDARD FABRIC. REINFORCEMENT IS TO BE B500B IN ACCORDANCE WITH BS 4449.
 - COVER TO REINFORCEMENT TO BE MIN 60mm.
 - BAR SCHEDULES ARE TO BE CHECKED BY THE CONTRACTOR BEFORE STEEL IS ORDERED.
 - REINFORCEMENT AND FORMWORK TO BE THOROUGHLY CHECKED BEFORE CONCRETING.
 - CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL TEMPORARY REINFORCEMENT, SUCH AS CHAIRS, THAT MAY BE REQUIRED.

- DOWEL BARS:
- ALL DOWEL BARS TO BE STAINLESS STEEL GRADE A4-70.

Rev	Date	Description of Revisions	Drawn	Chkd	Appr
B01	10/10/25	ISSUED FOR APPROVAL	NR	JMF	BS
B01	10/10/25	ISSUED FOR IFC	NR	JMF	BS



Balfour Beatty

WESTERN REACTIVE
WARREN ROAD BRIDGE

WARREN ROAD OVERBRIDGE
PROPOSED GENERAL ARRANGEMENT

Designed	J. FRITH	Signed	JMF	Date	15/10/25
Drawn	N. REINHARDT	Signed	NR	Date	15/10/25
Checked	J. FRITH	Signed	JMF	Date	15/10/25
Approved	B. STANKOVIC	Signed	BS	Date	15/10/25
Scale(s)	ELR & Mileage				
Alternative Reference	AS SHOWN				
Drawing Number	02003-BBR-DRG-CIV-0002				
Sheet	2 of 5				
Revision	BC 2				