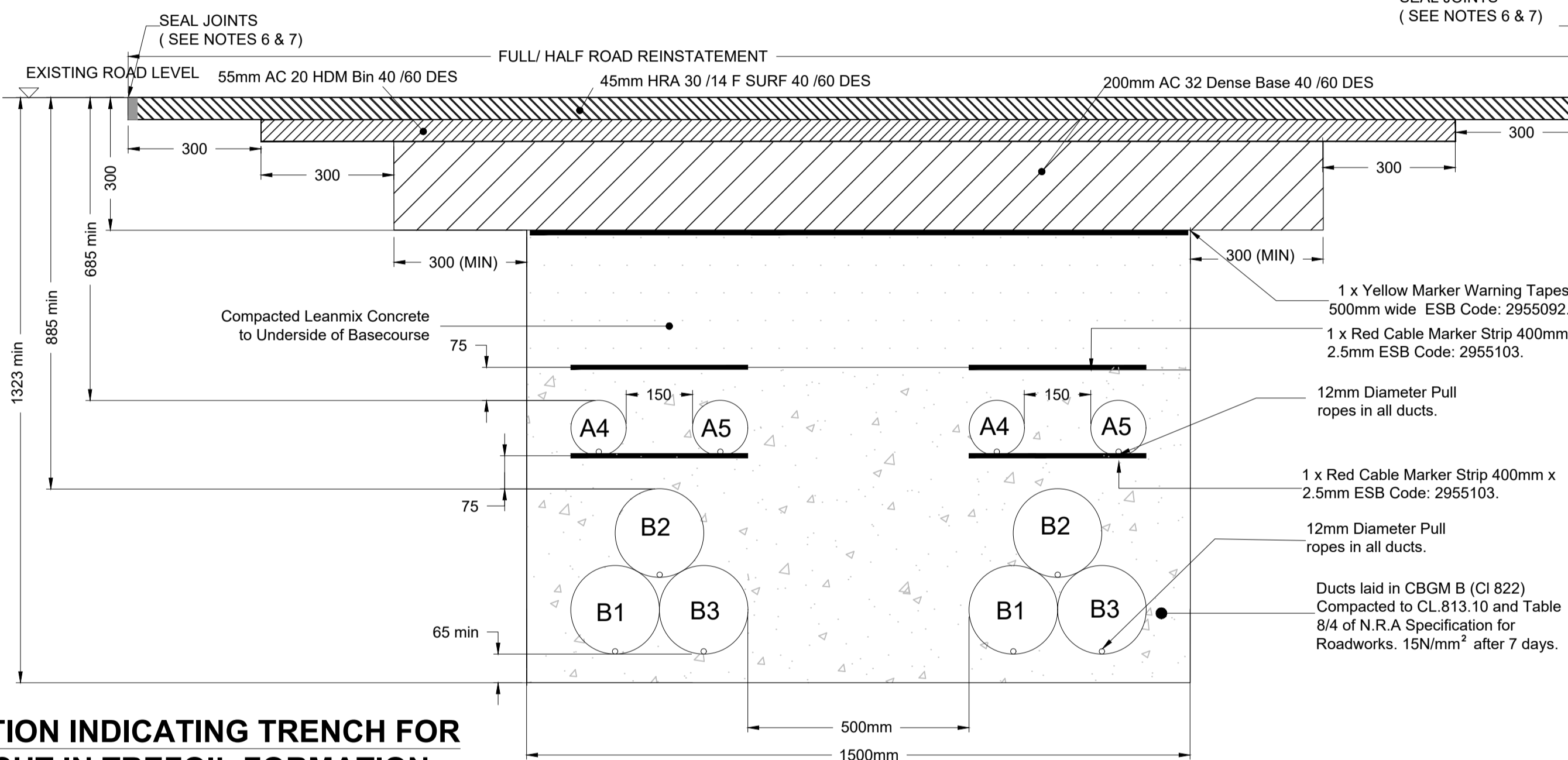


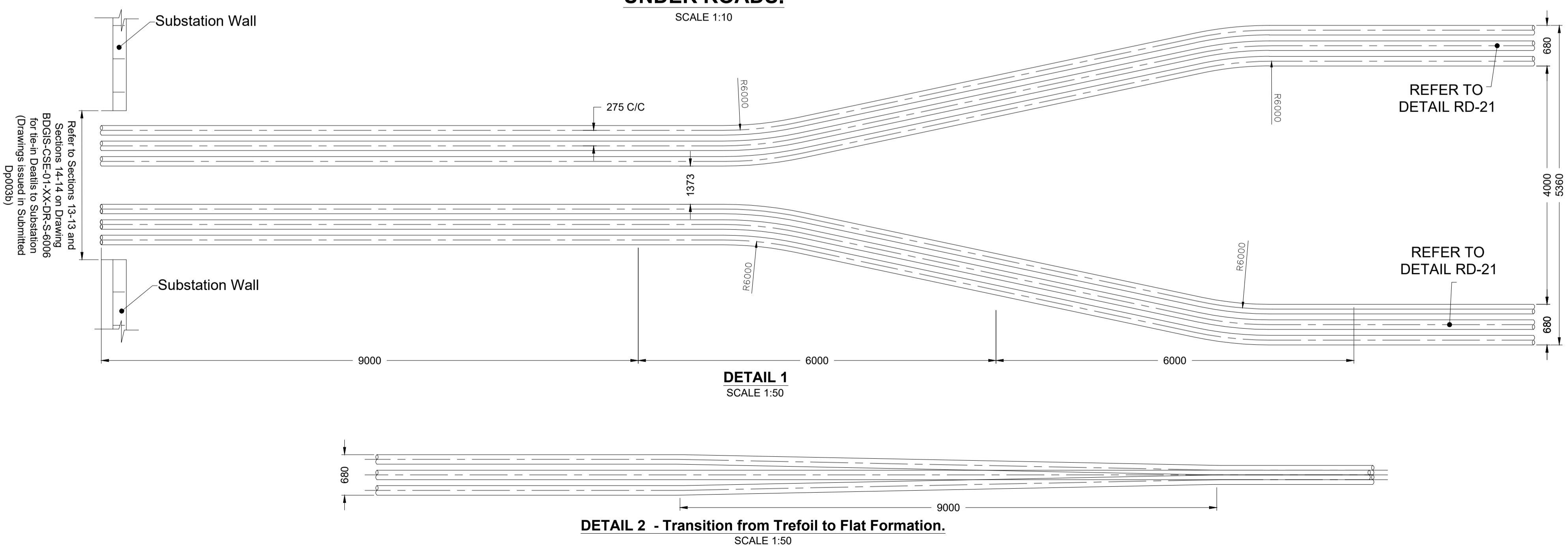
**TYPICAL CROSS SECTION INDICATING TRENCH FOR DOUBLE 110KV CIRCUIT IN TREFOIL FORMATION UNDER ROADS. (ADJACENT TO EXISTING KERBS)**  
SCALE 1:10



**TYPICAL CROSS SECTION INDICATING TRENCH FOR DOUBLE 110KV CIRCUIT IN TREFOIL FORMATION UNDER ROADS.**  
SCALE 1:10

**B1, B2, B3 = 200mmØ  
A4, A5 = 125mmØ**

- NOTES:
- DO NOT SCALE FROM THIS DRAWING.
  - THIS DRAWING IS FOR INFORMATION PURPOSES ONLY. NO RESPONSIBILITY CAN BE TAKEN FOR ANY INACCURACIES OF INFORMATION IN THE DRAWING.
  - THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ANY RELEVANT CONSULTANTS DRAWINGS.
  - THIS DRAWING SHALL BE READ IN CONJUNCTION WITH PROJECT SPECIFICATIONS.
  - REINSTATEMENT METHODS AND DETAILS TO BE AGREED WITH LOCAL AUTHORITY IN ADVANCE OF WORKS.
  - NOTES TO BE READ IN CONJUNCTION WITH DEPARTMENT OF TRANSPORT 'TOURISM & SPORT', 'GUIDELINES FOR MANAGING OPENINGS IN PUBLIC ROADS', (PURPLE BOOK)
  - ALL BOUND EDGES SHALL BE SAW CUT TO EXPOSE THE FULL VERTICAL THICKNESS OF EACH LAYER PRIOR TO EXCAVATION. ALL EDGES SHALL BE STRAIGHT, SMOOTH AND VERTICAL.
  - WHERE A TEMPORARY SURFACE HAS BEEN USED, MATERIAL SHALL BE PLANED OUT TO THE DEPTH SPECIFIED IN THIS DRAWING. THE NEW PERMANENT SURFACE SHALL BE MACHINE LAID AND MECHANICALLY COMPACTED WITH A VIBRATING ROLLER.
  - WHERE THE TRIMMED EDGE OF AN EXCAVATION IS WITHIN 1m OF A JOINT/EDGE, IRONWORK OR OTHER REINSTATEMENT, THIS TRIMMED EDGE SHALL BE EXTENDED TO INCLUDE SAME AND THE AREA OF REINSTATEMENT SHALL BE EXTENDED ACCORDINGLY. (\*INCREASE TO 800mm WHERE THIS IS PRE-EXISTING PRACTICE).
  - CLAUSE 808 OR CEMENT BOUND GRANULAR MATERIAL SURFACE TO BE SPRAYED PER TII-NRA SPECIFICATIONS FOR ROAD WORKS SERIES 900 ROAD PAVEMENTS - BITUMINOUS MATERIALS CLAUSE 10.1.4. PRIOR TO APPLICATION OF ASPHALT CONCRETE LAYER.
  - JOINT SEALER TO BE A HOT 50 PEN BITUMEN BINDER OR COLD THIXOTROPIC BITUMEN 50-70 PEN TO BE APPLIED TO ALL VERTICAL CUTS IN ACCORDANCE WITH B.S. 594987 PRIOR TO APPLICATION OF BITUMINOUS MATERIALS.
  - JOINT SEALED WITH HOT BITUMEN AND TOPPED WITH FINE SAND/GRIT TO GET A MINIMUM 55 SKID RESISTANCE VALUE AS DETERMINED BY THE PORTABLE SKID RESISTANCE PENDULUM USED IN ACCORDANCE WITH HMS0 1969, ROAD RESEARCH LABORATORY MINISTRY OF OF TRANSPORT (UK) ROAD NOTE 27 AND SHALL NOT EXCEED 3mm DEPTH AND 50mm WIDTH OR OTHER METHOD APPROVED BY THE LOCAL AUTHORITY.
  - ANY DAMAGED AREA ADJACENT TO THE OPENING AND RESULTING FROM THE EXCAVATION OPERATION SHALL BE INCLUDED WITHIN THE AREA TO BE REINSTATED.
  - SURFACE COARSE TO MATCH EXISTING SURFACES UNLESS DIRECTED BY LOCAL AUTHORITY.
  - THE COARSE AGGREGATE IN THE SURFACE COURSE ASPHALT CONCRETE SHALL HAVE A POLISHED STONE VALUE OF NOT LESS THAN 60.
  - CYCLE LANE TO BE REINSTATED TO MATCH EXISTING SURFACE (REFER TO CHAPTER 5)
  - A = 125mm (OD) HDPE RED DUCT (SDR=17.6) WITH 12mm DRAW ROPE. B=200mm (OD) HDPE Red Duct (SDR=17) WITH 12mm DRAW ROPE. 9m SECTIONS. NO PRE-FORMED BENDS. COUPLERS TO BE SLIP OR RUBBER GASKET TYPE WITH NO INTERNAL OBSTRUCTIONS/SHARP EDGES. NO SPIGOT AND SOCKET DUCTS TO BE USED. DUCT MARKING TO BE 2 LINES 20mm HIGH BLACK LETTERING "DANGER 110KV ELECTRICITY CABLES" WITH MAX. 150mm GAP BETWEEN LEGENDS. \*HDPE 125mm" IS TO BE PROVIDED AT 1m CENTRES.



**DETAIL 2 - Transition from Trefoil to Flat Formation.**  
SCALE 1:50

Revision	Description	Drw'n	Chk'd	Date
P02	ISSUE FOR PLANNING			01-02-2019

		Clifton Scannell Emerson Associates Limited Consulting Engineers, Seafort Lodge, Castledawson Avenue, Blackrock, Co. Dublin, Ireland. T. +353 1 288 5006 F. +353 1 283 3466 E. info@csea.ie W. www.csea.ie
Client	ADSIL	
Project	Darndale to Belcamp Grid Connection	
Dwg. Title	Typical Reinstatement Details Sheet 1 of 4	
Drawn By	LT	Date 16/05/2018
Checked by	CD	Scale 1:10 @ A1
Project Code	Originator	Zone/Phase Level Type Role Dwg. No.
17181 - CSE - 00 - XX - DR - C - 2550		
S2	ISSUED FOR INFORMATION	17_181
P02	PLANNING	