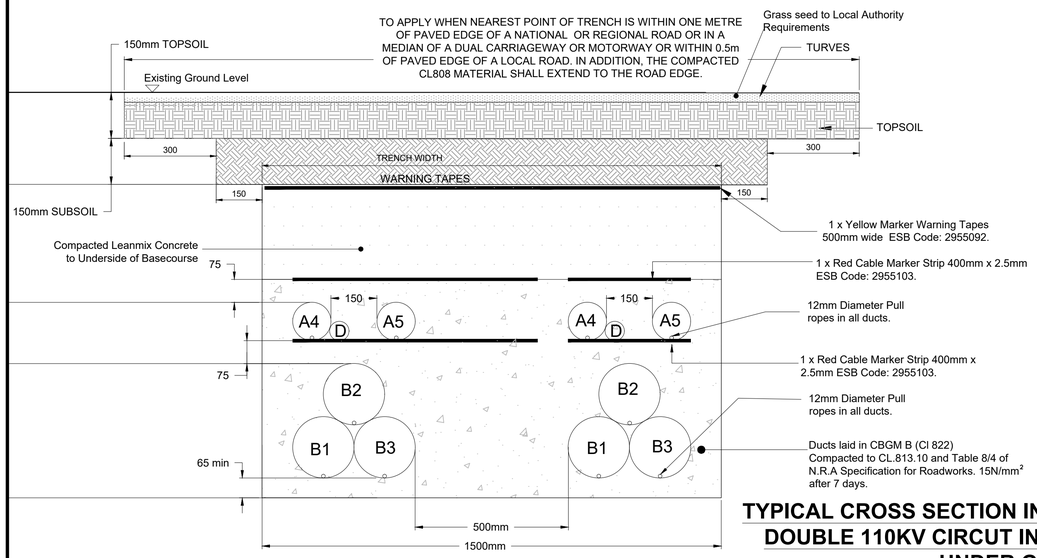
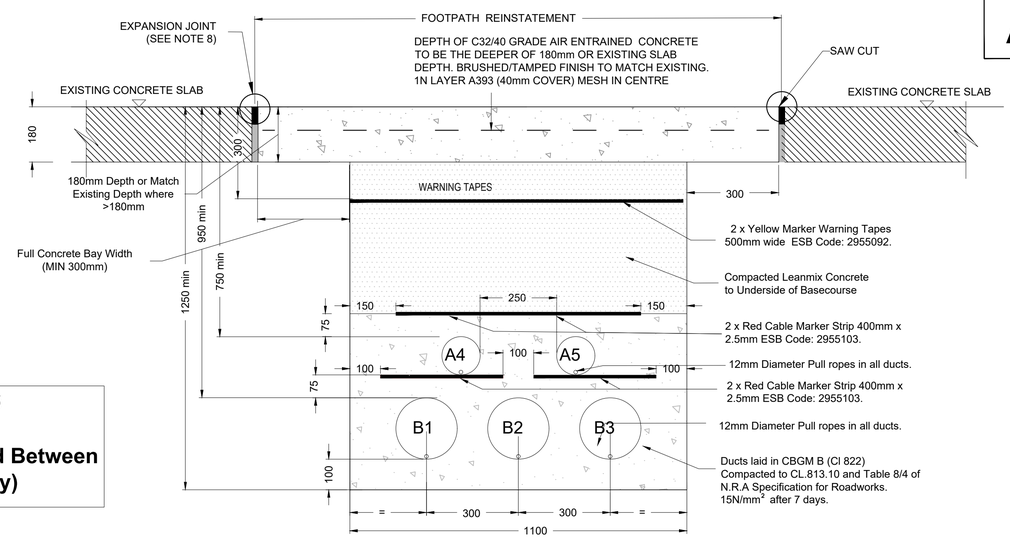
A1



TYPICAL CROSS SECTION INDICATING TRENCH FOR DOUBLE 110KV CIRCUT IN TREFOIL FORMATION UNDER GRASS

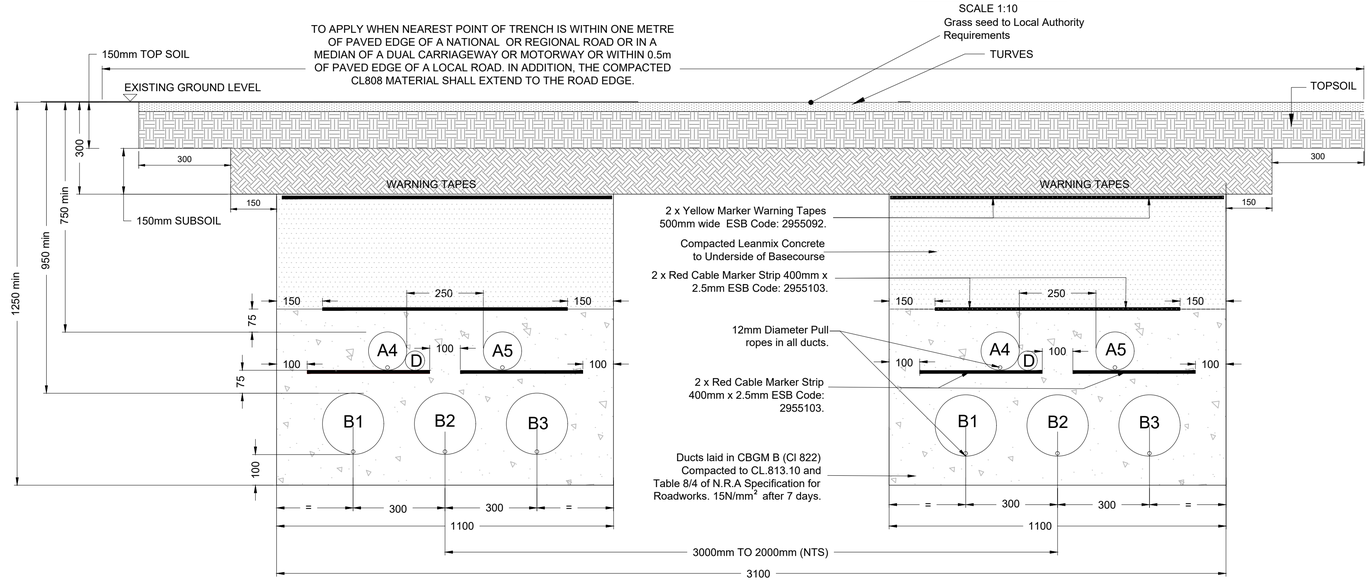
SCALE 1:10

B1, B2, B3 = 200mmØ
A4, A5 = 125mmØ
D = 63mmØ (Required Between Darndale and JB1 only)



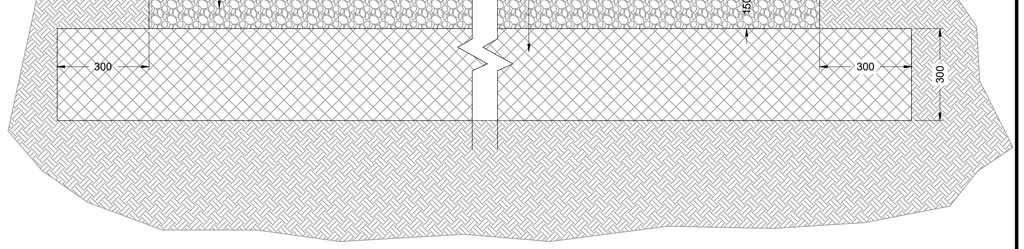
TYPICAL CROSS SECTION INDICATING TRENCH FOR SINGLE 110KV CIRCUT UNDER GRASS CONCRETE FOOTPATH

SCALE 1:10



TYPICAL CROSS SECTION INDICATING TRENCH FOR DOUBLE 110KV CIRCUT IN FLAT FORMATION UNDER GRASS

SCALE 1:10



TYPICAL ACCESS PATH DETAIL

SCALE 1:10

NOTES:

1. DO NOT SCALE FROM THIS DRAWING.
2. THIS DRAWING IS FOR INFORMATION PURPOSES ONLY. NO RESPONSIBILITY CAN BE TAKEN FOR ANY INACCURACIES OF INFORMATION IN THE DRAWING.
3. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ANY RELEVANT CONSULTANTS DRAWINGS.
4. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH PROJECT SPECIFICATIONS.
5. REINSTATEMENT METHODS AND DETAILS TO BE AGREED WITH LOCAL AUTHORITY IN ADVANCE OF WORKS.
6. NOTES TO BE READ IN CONJUNCTION WITH DEPARTMENT OF TRANSPORT 'TOURISM & SPORT', ' GUIDELINES FOR MANAGING OPENINGS IN PUBLIC ROADS.(PURPLE BOOK)
7. PRIOR TO EXCAVATION, ALL GRASS AREAS ARE TO BE CUT INTO TURVES WHICH ARE TO BE CAREFULLY STACKED AND RE-USED WITHIN ONE WEEK OF CUTTING DURING THE PERIOD 1ST APRIL TO 31ST AUGUST OR WITHIN TWO WEEKS OF CUTTING DURING THE REMAINDER OF THE YEAR,TURVES NOT USED WITHIN THESE PERIODS SHALL BE REGARDED AS TOPSOIL. OUTSIDE THIS PERIOD OR WHERE TURVES FROM GRASS AREA ARE NOT SUITABLE, IMPORTED TURVES APPROVED BY THE LOCAL AUTHORITY ARE TO BE USED.
8. WHERE TOPSOILING AND SEEDING IS PERMITTED BY THE ROAD AUTHORITY THE FOLLOWING SHALL APPLY;

8.1. PRIOR TO SEEDING OR TURFING , AN APPROVED FERTILIZER SHALL BE EVENLY DISTRIBUTED ON THE TOPSOIL AT A RATE OF NOT LESS THAN 100g PER SQ.M.

8.2. THE AREAS TO BE GRASSED SHALL BE COVERED WITH TOPSOIL TO MINIMUM DEPTH OF 100mm WHICH SHALL BE REDUCED TO A FINE TILTH, FREE FROM STONES AND DEBRIS WITH ANY DEBRIS WITH ANY DIMENSION GREATER THAN 35mm. THE TOPSOIL SHALL BE GRADED AND LIGHTLY COMPACTED TO 100mm DEPTH OR EXISTING DEPTH - WHICH EVER IS GREATER, ANY UPSTANDING DEBRIS OR STONES EXCEEDING 25mm DIMENSION SHALL BE REMOVED.

8.3. PAY DUE REGARD TO THE SEASON AND WEATHER CONDITION BEFORE SOWING GRASS SEED. IMMEDIATELY PRIOR TO SOWING THE GRASS SEED. THE TOPSOIL SHALL BE REDUCED TO A FINE TILTH. SOWING THE GRASS SEED SHALL BE CARRIED OUT BY AN EVEN DISTRIBUTION, USING A BLAND OF (PER HECTARE) 170KG MANHATTEN RYE GRASS AND 13kg DWARF CLOVER OR OTHER MIX AS SPECIFIED BY THE ROAD AUTHORITY. FOR SLOPES IN EXCESS OF TEN DEGREES , THESE QUANTITIES SHALL BE INCREASED BY 50%. THE SEED SHALL BE COVERED BY LIGHTLY RAKING INTO THE SURFACE OF THE TOPSOIL. THE AREA SHALL BE WATERED EVERY SECOND DAY.

9. ALL DRAINAGE CHANNELS SHALL BE MARKED ON THE CARRIAGEWAY , MAPPED AND SHALL BE FULLY RESTORED IN CONJUNCTION WITH VERGE REINSTATEMENT TO ENSURE THAT SURFACE WATER RUNOFF IS DISCHARGED FROM THE ROAD SURFACE.
10. ALL TEMPORARY REINSTATEMENT AS DETAILED ABOVE SHALL BE CARRIED OUT IMMEDIATELY AFTER BACKFILLING THE TRENCH. WHEN THE SETTLEMENT HAS TAKEN PLACE OR AFTER A THREE MONTH PERIOD, WHICH EVER IS THE GREATER, THE TRENCH SHALL BE TOPPED UP WITH TOPSOIL TO ITS ORIGINAL LEVEL.
11. ANY DAMAGED AREA ADJACENT TO THE OPENING AND RESULTING FROM THE EXCAVATION OPERATION SHALL BE INCLUDED WITHIN THE AREA TO BE REINSTATED.
12. WHERE THE WORKS ARE IN CLOSE PROXIMITY TO TREES/TREE ROOTS COMPLIANCE WITH BS 5837:2012 IS REQUIRED . (SEE CHAPTER 6)
13. 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.
14 .D=63mm (OD) HDPE Red Duct (SDR=11).

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

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Client: ADSIL

Project: Darndale to Belcamp Grid Connection

Dwg. Title: Typical Reinstatement Details Sheet 3 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 -	2552

S2 — ISSUED FOR INFORMATION (Status Code / Suitability Description)

P02 — PLANNING (Revision / Project Status)

17_181 — CSEA Job No.

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