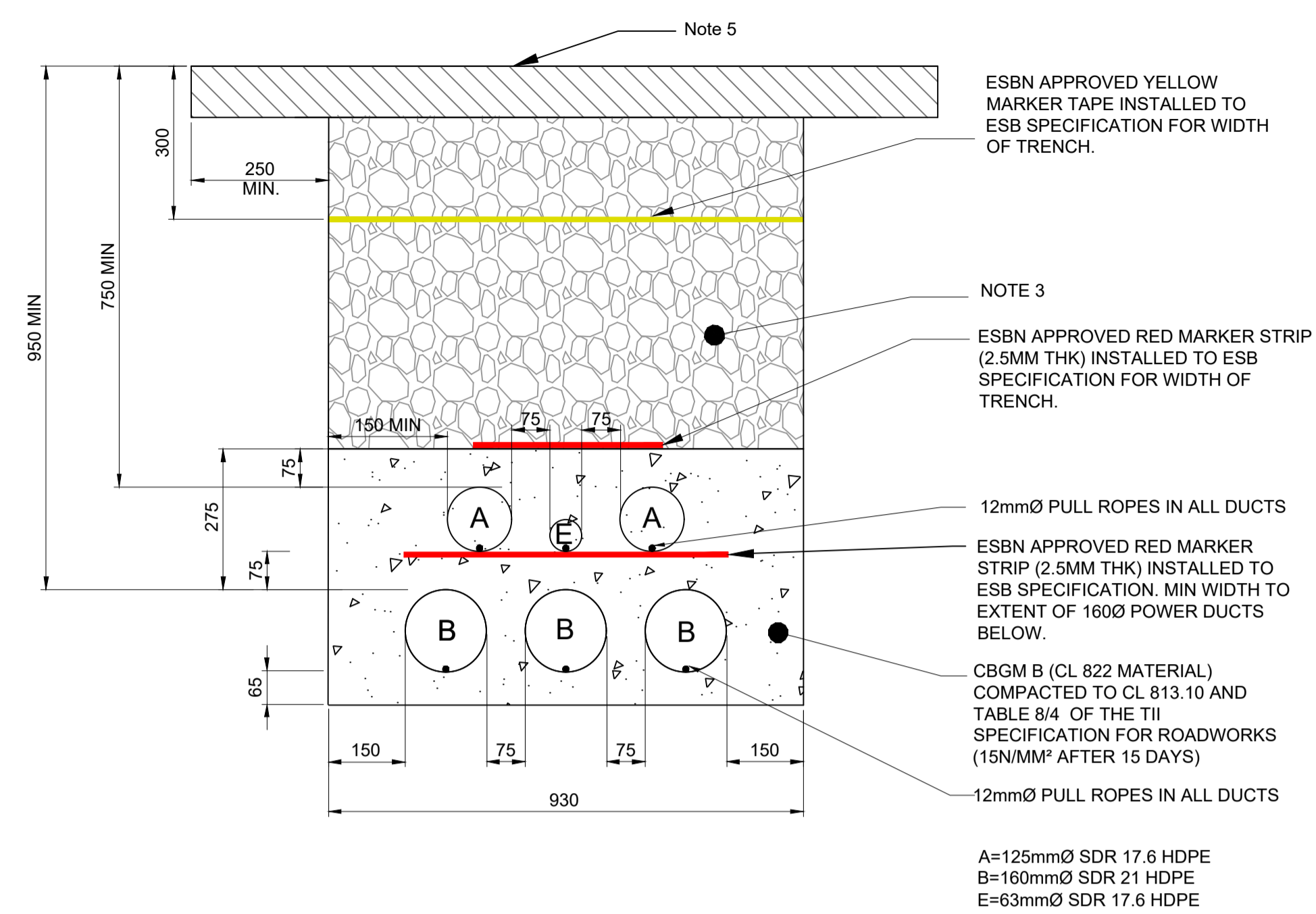
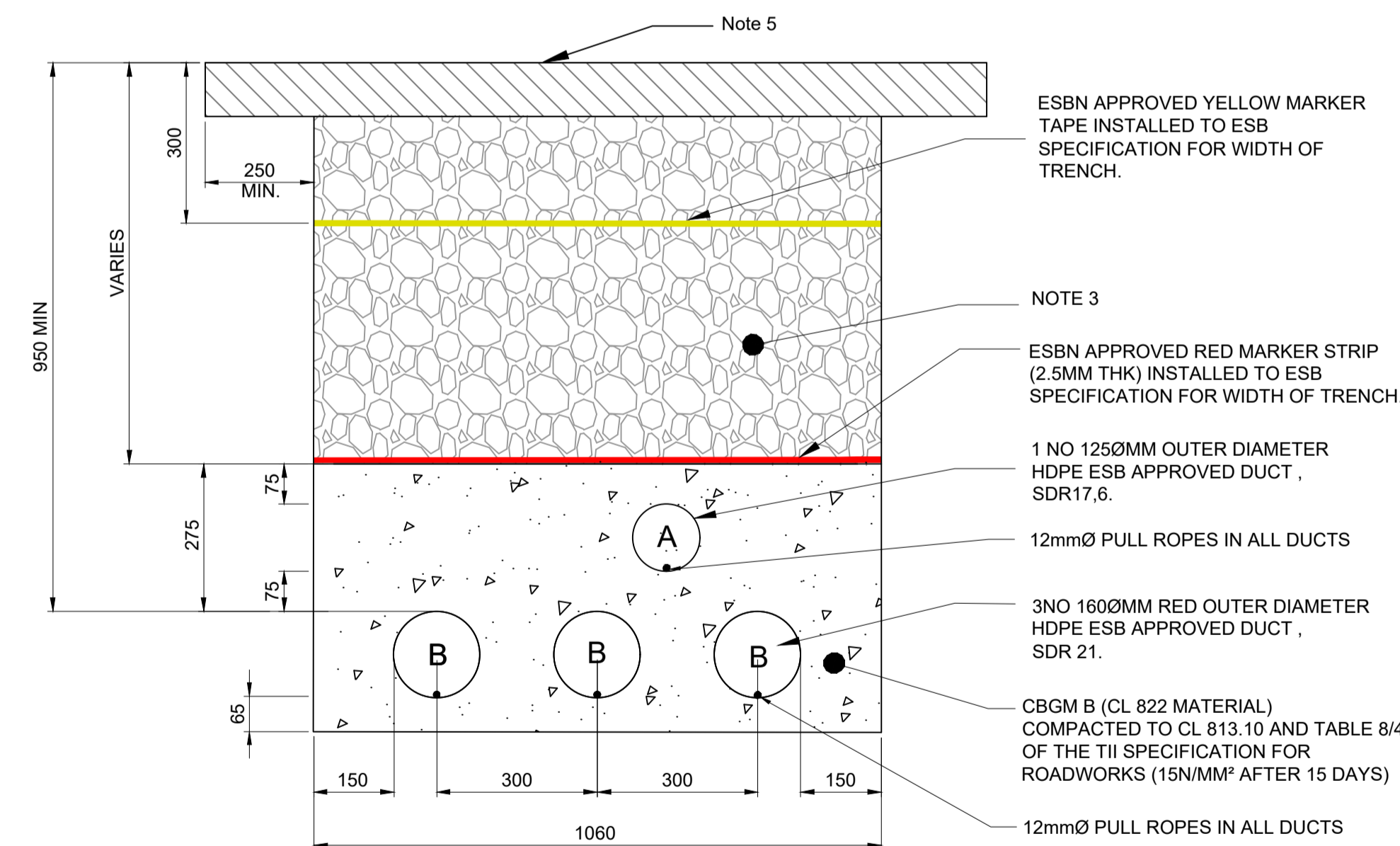


**TYPICAL 3NO 160Ø POWER DUCT IN TREFOIL FORMATION**  
SCALE 1:10



**TYPICAL 3NO 160Ø POWER DUCT IN FLAT FORMATION**  
SCALE 1:10



**3NO 160Ø HV DUCTS FROM GIS TO TRANSFORMER**  
SCALE 1:10

**NOTES**

- DRAWING TO BE READ IN CONJUNCTION WITH CSEA SERVICE DRAWINGS.
- DRAWING TO BE READ IN CONJUNCTION WITH THE LATEST ESB NETWORKS SPECIFICATIONS FOR 110kV AND 10kV INSTALLATIONS AS WELL AS ELECTRICAL ENGINEERS LAYOUTS AND SPECIFICATIONS.
- DRAWING TO BE READ IN CONJUNCTION WITH ELECTRICAL LAYOUTS & SPECIFICATION, IF DISCREPANCIES EXIST, C.S.E.A. TO BE CONSULTED PRIOR TO WORKS PROCEEDING.
- WITHIN ANY BUILDING, STRUCTURE PERIMETER OR LOAD BEARING SLABS SUCH AS GENERATOR, FUEL TANK AND HUMIDIFIER COMPOUNDS, ALL TRENCHES TO BE BACKFILLED WITH LAYERS OF 225mm COMPACTED SR21 ANNEX E UNDER FLOOR STRUCTURAL BACKFILL TO UNDERSIDE OF SPECIFIC SURFACE, OTHERWISE LAYERS OF 225mm COMPACTED TO CL. 808.
- FINISH SURFACE AND CONSTRUCTION DETAIL VARIES.
- ALL TRENCHES WITHIN PERIMETER OF BUILDINGS AND LOAD BEARING STRUCTURES ARE TO BE BACKFILLED WITH LEAN MIX CONCRETE TO UNDERSIDE OF FINISHED SURFACE STRUCTURE.
- DRAW ROPES TO BE 12mm IN ALL DUCTS.
- WHERE DUCTING IS LOCATED WITHIN THE PERIMETER OF BUILDINGS AND LOAD BEARING STRUCTURES, DUCTS ARE TO BE SURROUNDED WITH CBGM B CONCRETE AND BACKFILLED WITH MATERIAL COMPLIANT WITH SR21 ANNEX E.
- REFER TO GRID STANDARD 110KV CABLE DRAWING (XDC-CBL-STND-H-008) FOR TYPICAL TRENCH CROSS SECTIONS DETAILS.

Rev	Description	Drawn	Checked	Date
P04	SID ISSUE	DM	PM	04.02.2022
P03	DRAFT SID ISSUE	DM	PM	10.12.2021
P02	SID SCHEME ISSUE	DM	PM	26.11.2021
P01	WIP	DM	PM	22.10.2021

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**VANTAGE DATA CENTERS**

Client: **KILCABERY 110KV SUBSTATION & MV CLIENT COMPOUND**

Project: **PROPOSED TRANSMISSION LINE - TYPICAL CROSS SECTIONS**

Drawn By: **DM** Date: **OCT 2021** Scale: **AS INDICATED @ A1** CSEA Job No. **21\_115**

Checked By: **PM**

Project Code: **21\_115 - CSE - 00 - XX - DR - C - 2202**

Status Code: **S2** Suitability Description: **PRELIMINARY**

Revision: **P04** Project Status: **PRELIMINARY**