

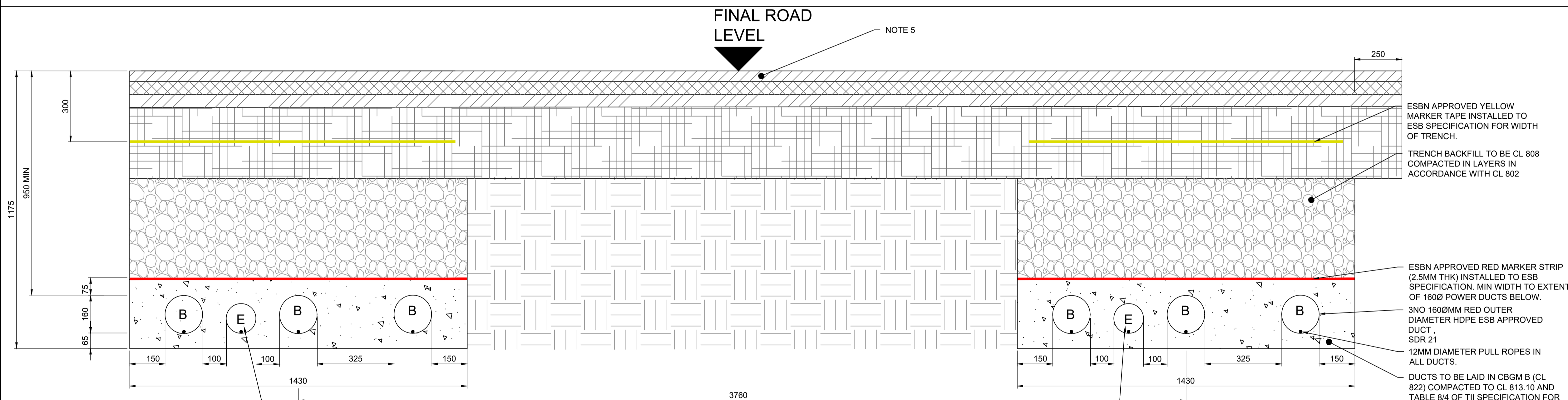
GRID CONNECTION: 4200
INDICATIVE FUTURE GRID CONNECTION: 4700

SECTION A-A
SCALE 1:10

- ESBN APPROVED YELLOW MARKER TAPE INSTALLED TO ESB SPECIFICATION FOR WIDTH OF TRENCH.
- TRENCH BACKFILL TO BE CL 808 COMPACTED IN LAYERS IN ACCORDANCE WITH CL 802
- ESBN APPROVED RED MARKER STRIP (2.5MM THK) INSTALLED TO ESB SPECIFICATION. MIN WIDTH TO EXTENT OF 1250 DUCTS BELOW
- 2NO 1250MM OUTER DIAMETER HDPE ESB APPROVED DUCT, SDR 17.6
- ESBN APPROVED RED MARKER STRIP (2.5MM THK) INSTALLED TO ESB SPECIFICATION. MIN WIDTH TO EXTENT OF 1600 POWER DUCTS BELOW.
- 3NO 1600MM RED OUTER DIAMETER HDPE ESB APPROVED DUCT, SDR 21
- 12MM DIAMETER PULL ROPES IN ALL DUCTS.
- DUCTS TO BE LAID IN CBGM B (CL 822) COMPACTED TO CL 813.10 AND TABLE 8/4 OF TII SPECIFICATION FOR ROADWORKS (15N/MM2 AFTER 7 DAYS) AS PER LATEST ESB/EIR/GRID CABLE DUCT INSTALLATION REQUIREMENTS.

- LEGEND:**
- PROPOSED MASTS
 - PROPOSED TRANSMISSION LINE DUCT FROM MAST TO GIS BUILDING
 - PROPOSED FUTURE GRID CONNECTION
 - PROPOSED SAND PIT
 - PROPOSED HV CABLE INDICATING HORIZONTAL BEND
 - PROPOSED HV CABLE INDICATING VERTICAL BEND TO TRUNKING.
 - PROPOSED STONED AREA
 - PROPOSED ASPHALT SURFACE

- NOTES**
1. DRAWING TO BE READ IN CONJUNCTION WITH SERVICE DRAWINGS CAP-CSE-00-XX-DR-C-2121.
 2. DRAWING TO BE READ IN CONJUNCTION WITH THE LATEST ESB NETWORKS SPECIFICATIONS FOR 110KV AS WELL AS ELECTRICAL ENGINEERS LAYOUTS AND SPECIFICATIONS.
 3. DRAWING TO BE READ IN CONJUNCTION WITH ELECTRICAL LAYOUTS & SPECIFICATION. IF DISCREPANCIES EXIST, C.S.E.A. TO BE CONSULTED PRIOR TO WORKS PROCEEDING.
 4. WITHIN ANY BUILDING, STRUCTURE PERIMETER OR LOAD BEARING SLABS SUCH AS GENERATOR, FUEL TANK AND HUMIDIFIER COMPOUNDS, ALL TRENCHES TO BE BACKFILLED WITH LEAN MIX CONCRETE GRADE C20/25 TO UNDERSIDE OF STRUCTURAL SLAB AT GROUND LEVEL. OTHERWISE LAYERS OF 225mm COMPACTED CL808 BACKFILL TO UNDERSIDE OF SPECIFIED SURFACE FINISH IS REQUIRED.
 5. FINISH SURFACE AND CONSTRUCTION DETAIL VARIES. REFER TO DWGS CAP-CSE-00-XX-DR-C-2150.2151. FOR FINISHED SURFACE REFERENCE.
 6. DUCTS SIZE : A - 125mmØ; B - 160mmØ

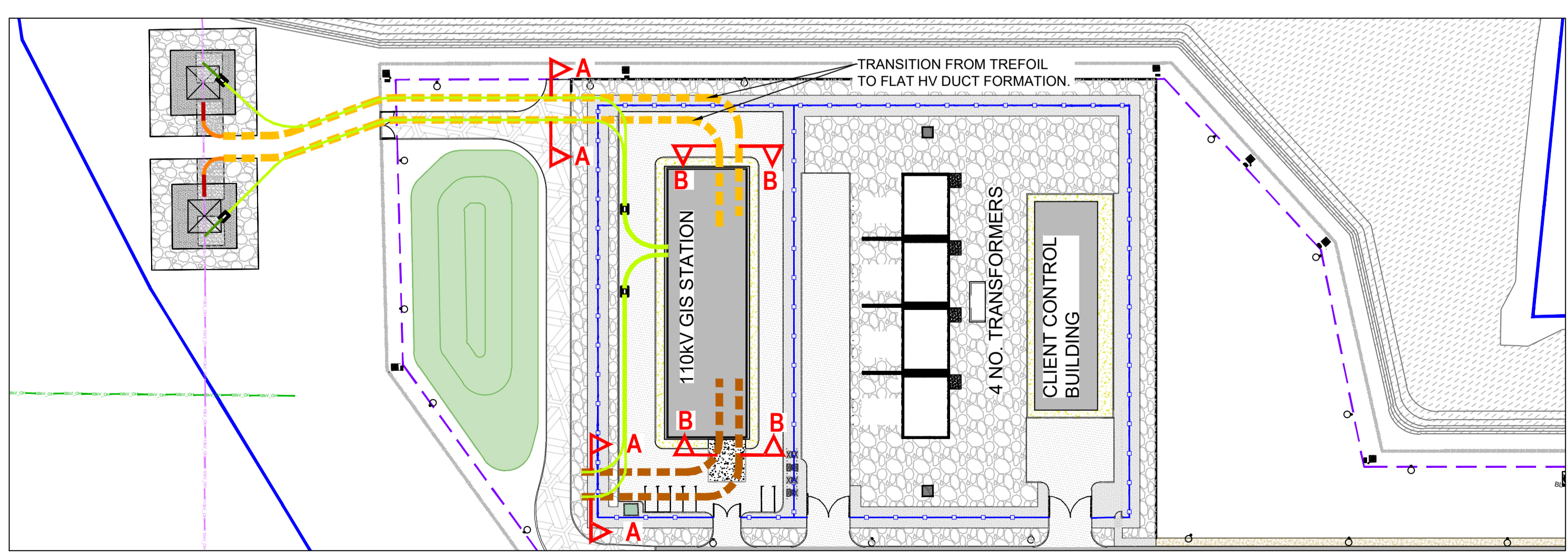


SECTION B-B
SCALE 1:10

- ESBN APPROVED YELLOW MARKER TAPE INSTALLED TO ESB SPECIFICATION FOR WIDTH OF TRENCH.
- TRENCH BACKFILL TO BE CL 808 COMPACTED IN LAYERS IN ACCORDANCE WITH CL 802
- ESBN APPROVED RED MARKER STRIP (2.5MM THK) INSTALLED TO ESB SPECIFICATION. MIN WIDTH TO EXTENT OF 1600 POWER DUCTS BELOW.
- 3NO 1600MM RED OUTER DIAMETER HDPE ESB APPROVED DUCT, SDR 21
- 12MM DIAMETER PULL ROPES IN ALL DUCTS.
- DUCTS TO BE LAID IN CBGM B (CL 822) COMPACTED TO CL 813.10 AND TABLE 8/4 OF TII SPECIFICATION FOR ROADWORKS (15N/MM2 AFTER 7 DAYS) AS PER LATEST ESB/EIR/GRID CABLE DUCT INSTALLATION REQUIREMENTS.

1NO 1250MM OUTER DIAMETER HDPE ESB APPROVED DUCT, SDR 17.6

1NO 1250MM OUTER DIAMETER HDPE ESB APPROVED DUCT, SDR 17.6



KEYPLAN
SCALE 1:750

Rev	Description	Drawn	Checked	Date
P05	SID ISSUE	DM	PM	05.11.2020
P04	SID ISSUE	DM	PM	03.11.2020
P03	EIR/GRID REVIEW	DM	PM	13.10.2020
P02	DP01 ISSUE	DM	PM	07.09.2020
P01	FOR DISCUSSION	DM	PM	28.08.2020

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CAP DEVELOPMENTS LLC

Client: **OLDBRIDGE 110KV SUBSTATION**

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

Drawn By: DM Date: OCTOBER 2020 Scale: AS INDICATED @ A1 CSEA Job No. 20_057

Checked By: PM

Project Code: CAP - CSE - 00 - XX - DR - C - 2124

Status Code: S2 Suitability Description: SUITABLE FOR INFORMATION

Revision: P05 Project Status: PLANNING