

SECTION A-A

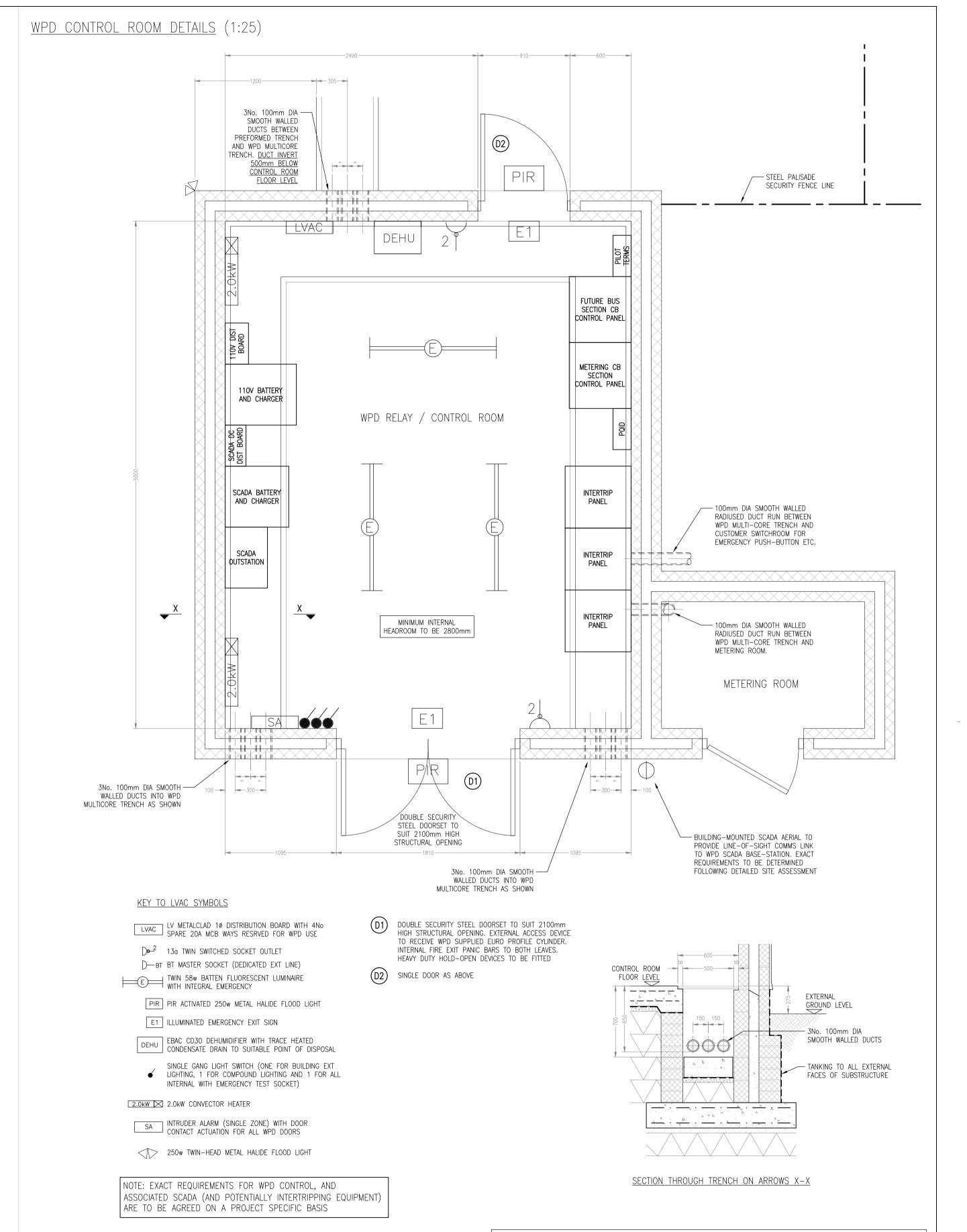
GENERAL NOTES

- . THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH THE PROPOSED WPD SUBSTATION LAYOUT AND THE 132kV CONNECTION
- GUIDE DOCUMENT. 3. THIS DRAWING IDENTIFIES THE REQUIREMENTS FOR THE WPD SUBSTATION COMPOUND AND ASSOCIATED CIRCUIT ENTRY/IES AND VEHICULAR ACCESS. IT DOES NOT DETAIL THE CUSTOMER COMPOUND TO ANY SIGNIFICANT DEGREE.
- DETAILED CIVIL DESIGN WORKS ARE THE RESPONSIBILITY OF THE CUSTOMER, BUT THE INFORMATION PROVIDED ON THIS DRAWING MAY BE INCORPORATED INTO THE CUSTOMERS OVERALL CIVIL SITEWORKS DRAWING AS NECESSARY (ASSUMING THAT THE CUSTOMER HAS CHECKED THE VIABILITY OF THE INFORMATION TO THE PRESENTED SITE CONDITIONS)
 THIS DRAWING PRESUMES A LEVEL WPD SUBSTATION COMPOUND SURFACE. WHERE SITE CONDITIONS DICTATE, A CROSSFALL
- ACROSS THE SITE COMPOUND OF A MAXIMUM OF 1:60 MAY BE PROPOSED. ALTERNATIVELY, SUBJECT TO AGREEMENT, A SITE
- 6. THE CUSTOMER IS TO INSTALL SUFFICIENT STORM, GROUND AND SURFACE WATER DRAINAGE TO PREVENT A POTENTIAL BUILD-UP
- OF GROUND WATER. THIS DRAINAGE SYSTEM SHOULD CONVEY WATER TO A SUITABLE POINT OF DISPOSAL. NO THIRD PARTY UTILITY ASSETS ARE TO BE LOCATED BENEATH/ WITHIN THE WPD COMPOUND WITHOUT PRIOR APPROVAL.

COMPOUND PREPARATION NOTES

- 1. STRIP/ EXCAVATE TOPSOIL AND VEGETABLE MATTER AND EXCAVATE TO REDUCED LEVEL AS NECESSARY
- 2. ANY IMPORTED FILL/ EXCAVATION ARISINGS USED FOR MAKING UP REDUCED LEVELS IS TO BE SUITABLE FOR FILLING PURPOSES AND IS TO BE CONSOLIDATED IN AN APPROVED MANNER
- 3. INSTALL TERRAM T100 (OR SIMILAR APPROVED) GEOTEXTILE MEMBRANE AS SEPARATION LAYER BETWEEN COMPOUND SUB-BASE AND SUB-GRADE. INSTALL IN FULL ACCORDANCE WITH MANUFACTURERS REQUIREMENTS
- 4. LAY AND COMPACT MINIMUM 75mm THICK LAYER OF APPROVED WELL-GRADED HARDCORE/ SUB-BASE MATERIAL 5. LAY MINIMUM 75mm THICK BED OF 20mm SINGLE-SIZED GRADED CLEAN GRANITE/ LIMESTONE CHIPPINGS AS A COMPOUND SURFACE DRESSING, SPREAD AND LAID AROUND BASES AND THE LIKE. CHIPPINGS SHOULD HAVE A WET RESISTIVITY OF NO LESS THAN 1500 OHM/m

| Rev No | Drawn | Chk'd | App'd | Date



CONTROL ROOM CONSTRUCTION NOTES

& WPD CONTROL ROOM DETAILS

- MINIMUM INTERNAL HEADROOM TO BE 2800mm
- EXTERNAL BUILDING FABRIC TO PROVIDE A MAXIMUM TARGET U VALUE OF 0.45W/m2K PROVIDE 8000mm2 OF PASSIVE VENTILATION TO CONTROL ROOM
- PROVIDE POWER-FLOAT FINISH TO CONCRETE FLOOR
- PROVIDE ONE MIST COAT AND TWO TOP COATS OF BRILLIANT WHITE EMULSION TO INTERNAL WALLS AND CEILINGS
- SECURITY DOORSETS TO BE SUPPLIED BY T.S. DESIGNS (01477 571357) OR ARE TO BE OF EQUIVALENT STANDARD/ QUALITY WHERE THERE IS ANY RISK OF GROUND-WATER INGRESS, A SUMP OF INTERNAL DIMENSIONS 300x300x300mm SHALL BE PROVIDED WITHIN THE MULTICORE CABLE TRENCH FLOOR

ALL DICHTS ADE DESEDUEN TO WIND (South Worl) als MO DADT OF THIS DOMINION MAY DE DENDANDINGE OF TRANSMITTEN IN ANY EARM OF DV ANY MEANS

Rev No.

GCS0020-2

ORIGINAL ISSUE WESTERN POWER DISTRIBUTION WESTERN POWER Design Department. Drawn Avonbank, Feeder Road, Bristol BS2 OTB **DISTRIBUTION** Tel: 0117 933 2000 Fax: 0117 933 2001. Checked 31.3.14 INCREASED CLEARANCE CB 110 TO ISOLATOR 113. POST INSULATORS REPOSITIONED. Approved Title INDICATIVE 132kV UNDERGROUND IN/OUT CIRCUIT CONNECTION (LOOP-IN) Drg. No. 2 LF 1 LF 6.9.13 LAYOUT REVISED TO SHOW REPOSITIONED CIRCUIT BREAKER & VT's PROPOSED SITE LAYOUT

ORIGINAL SHEET SIZE: A1