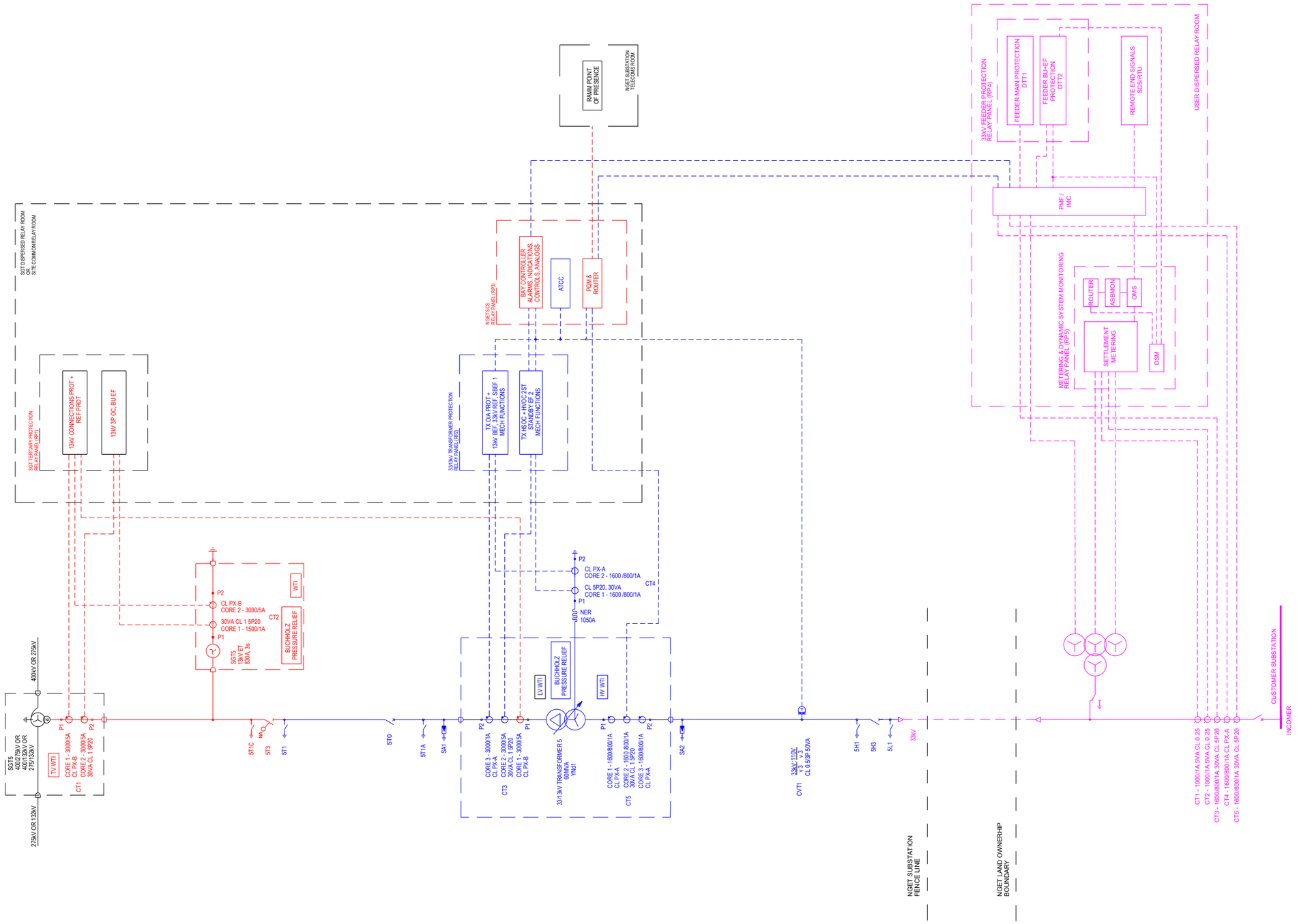

NOTES

1. EARTHING TRANSFORMER TO HAVE X/R RATIO OF 14
2. 33kV NEUTRAL EARTHING RESISTOR 18.15 OHMS
3. THE CHARACTERISTICS OF THE FOLLOWING CURRENT TRANSFORMERS NEED TO MATCH:
   CT1-CORE 1, CT3-CORE 1 AND CT2-CORE 2 (13kV CONNS & 13kV REF PROT)
   CT3-CORE 3, CT5-CORE 3 AND CT6-CORE 1 (13/33kV TX O/A PROT)
   CT1-CORE 2 AND CT3-CORE 2 (13kV EF & 13kV 3P OC)
4. ATCC REQUIREMENT CONTRACT SPECIFIC
5. OTS INTERFACE CONTRACT SPECIFIC AND NOT SHOWN
6. USER ASSETS TO BE CONFIRMED BY USER
7. USER SCS / REMOTE TERMINAL UNIT TO BE CONFIRMED BY USER
8. ALL USER SIGNALS TO BE HARD WIRED

LEGEND

- EXISTING EQUIPMENT
- EDF RENEWABLES SCOPE OF WORKS
- NGET INFRASTRUCTURE WORKS
- NGET CONNECTION ASSET WORKS

AUTOTRANSFORMER WITH TERTIARY WINDING

ZIG-ZAG EARTHING TRANSFORMER

DOUBLE WOUND TRANSFORMER WITH ON-LOAD TAP CHANGER

CURRENT TRANSFORMER THREE-PHASE

CURRENT TRANSFORMER SINGLE-PHASE

HV CABLE AND CABLE SEALING ENDS/TERMINATIONS

EARTH SWITCH

DISCONNECTOR

CIRCUIT BREAKER

SURGE ARRESTER

WOUND VOLTAGE TRANSFORMER THREE-PHASE WITH TWO SECONDARY WINDINGS

CAPACITOR VOLTAGE TRANSFOMER THREE-PHASE

NEUTRAL EARTHING RESISTOR DRY TYPE

OIL / AIR INTERFACE

ASBMON - ANCILLARY SERVICES BUSINESS MONITORING
ATCC - AUTOMATIC TAP CHANGER CONTROL
DSM - DYNAMIC SYSTEM MONITORING
DTT - DIRECT TRANSFER TRIP
IMC/IMK - INTERFACE MARSHALLING CUBICLE/KIOSK
OMS - OPERATIONAL METERING SUMMATOR
PMF - PRIMARY MARSHALLING FIELD
PQM - POWER QUALITY MONITORING
RAMM - REMOTE ASSET MANAGEMENT AND MONITORING
RTU - REMOTE TERMINAL UNIT
SCS - SUBSTATION CONTROL SYSTEM

INSTRUMENTS

CT1 - SETTLEMENT MAIN
CT2 - SETTLEMENT CHECK
CT3 - FEEDER OCEF
CT4 - NGET PROTECTION (APPENDIX F5 ITEM 1; ECC 6.2.2.3.1; ECC.6.2.2.2.2)
CT5 - NGET PQM (APPENDIX F5 ITEM 25)
VT1 W1 - FEEDER PROTECTION
VT1 W2 - SETTLEMENT METERING MAIN
VT1 W3 - SETTLEMENT METERING CHECK

Revisions	Date	Checked

Drawing No.
SUBR-EDFR-TCL-G000-MQA-DWG-60738

Project
Sutton Bridge Solar Project

Title
Metering and Protection
Single Line Diagram

Scale	Drawn by	Checked	Date
N.T.S	TS	PW	13/04/22

Scale bar

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