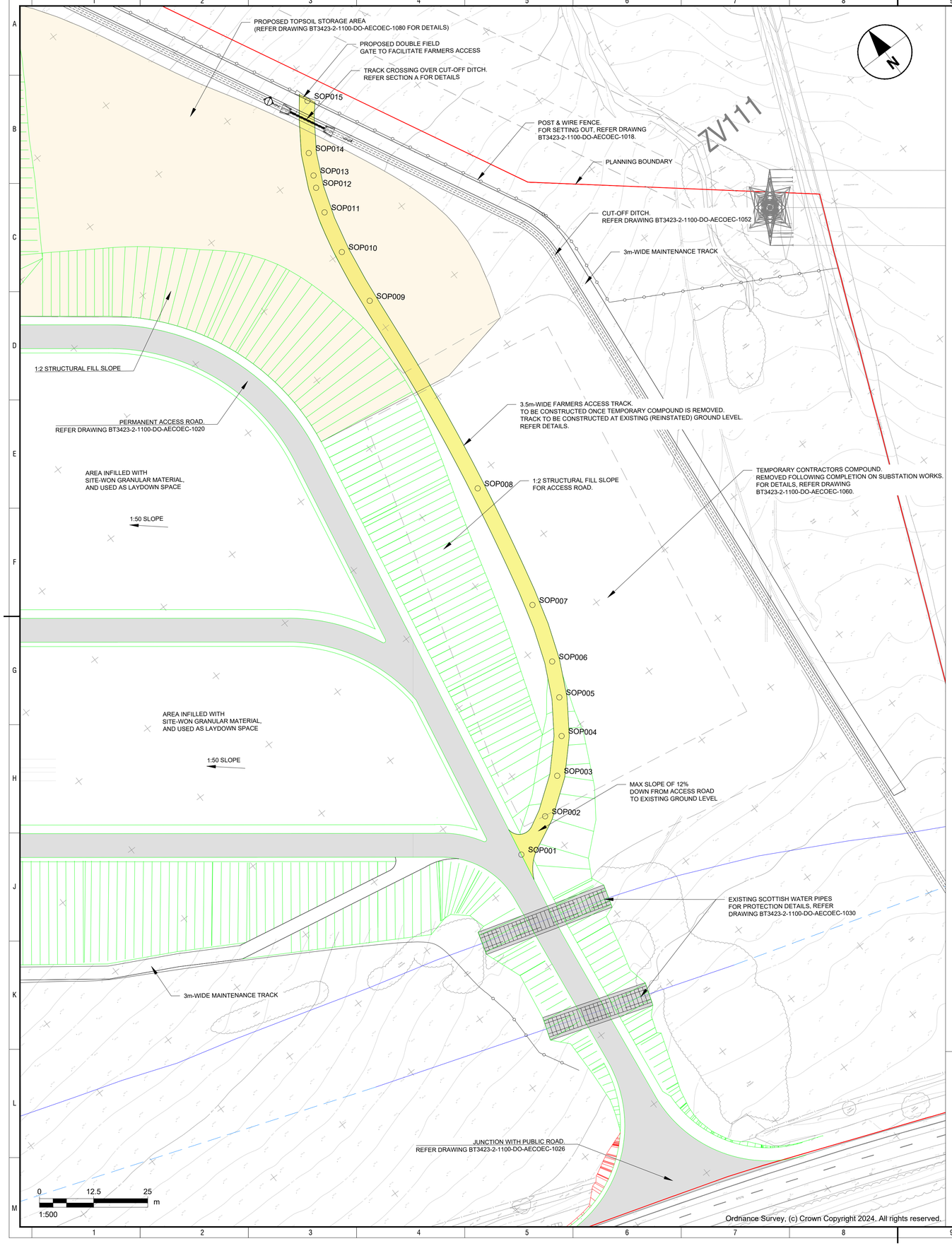


Ordnance Survey, (c) Crown Copyright 2024. All rights reserved.

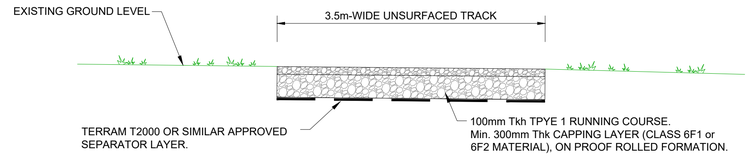
HEALTH, SAFETY & ENVIRONMENTAL INFORMATION

IN ADDITION TO THE HAZARDS/RISKS TYPICALLY ASSOCIATED WITH THE WORKS SHOWN ON THESE DRAWINGS - THE FOLLOWING HAZARDS HAVE BEEN IDENTIFIED AS REQUIRING PARTICULAR CONSIDERATION

1. WORKS TO BE CARRIED OUT ADJACENT TO A HIGH VOLTAGE ENVIRONMENT. ALL WORKS TO PROCEED IN ACCORDANCE WITH 'HSG 47' (UNDERGROUND CABLES) & 'GS6' (OVERHEAD LINES) & SCOTTISH POWER ELECTRICAL & MECHANICAL SAFETY RULES HANDBOOK 5th EDITION. TREAT ALL CABLES AS LIVE UNTIL PROVEN OTHERWISE. LOCATION OF THE KNOWN EXISTING SERVICES IS SHOWN FROM EXISTING INFORMATION AND GPR SURVEY RECORDS AND IS THEREFORE INDICATIVE ONLY. CARE IS REQUIRED SINCE UNKNOWN SERVICES MAY EXIST. THE ACTUAL LOCATION OF THE SERVICES SHOULD BE CONFIRMED BY THE CONTRACTOR .PARTICULAR CARE IS REQUIRED WHILE WORKING IN THE SURROUNDING AREA TO THE EXISTING 400kV ZV OHL ROUTE.
2. PARTICULAR CARE IS REQUIRED WHEN WORKING AROUND THE 2 No EXISTING SCOTTISH WATER PIPES RUNNING WITHIN THE FIELD PARALLEL TO B7078. CONTRACTOR TO FOLLOW AND ADHERE TO APPROPRIATE SCOTTISH WATER DOMS PROCEDURES IN PLACE FOR THE SCHEME AT ALL TIMES. LOCATION OF SW ASSETS IS SHOWN BASED ON EXISTING INFORMATION AND GPR SURVEY RECORDS AND IS THEREFORE INDICATIVE ONLY. THE ACTUAL LOCATION OF THE PIPES SHOULD BE CONFIRMED BY THE CONTRACTOR AS PER SCOTTISH WATER REQUIREMENTS (i.e. USE OF SW APPROVED CONTRACTOR).
3. EXCAVATIONS SHOULD BE ADEQUATELY SUPPORTED AND PROTECTED DURING CONSTRUCTION. EXCAVATION MAY BE REQUIRED BENEATH GROUND WATER LEVEL. THE CONTRACTOR SHOULD DEVELOP APPROPRIATE MITIGATION SUCH AS SUMP AND PUMP AS WHEN REQUIRED.
4. STEEP GROUND - CARE TO BE TAKEN WHEN MOVING AND OPERATING MACHINERY. ALL VEHICLES AND MACHINERY TO BE APPROPRIATE FOR THE CONDITIONS.
5. SURFACE WATER SHOULD BE MANAGED AT THE SITE DURING THE EXCAVATION PROCESS EITHER WITH THE INSTALLATION OF THE PERMANENT OR TEMPORARY DRAINAGE SYSTEM TO HELP PREVENT SLIPPAGE IN THE SLOPE AND TO MAXIMISE THE MATERIAL FOR REUSE.
6. CARE SHOULD BE TAKEN TO PREVENT ANY CONTAMINATION OR SILT RUN-OFF FROM ENTERING ANY ADJACENT WATERCOURSES OR DRAINAGE SYSTEMS. 10 m BUFFER SHALL BE LEFT TO EXISTING WATERCOURSES AT ALL TIMES.
7. CARE SHOULD BE TAKEN WHEN WORKING ADJACENT TO EXISTING EQUIPMENT/ STRUCTURES TO PREVENT ANY DE-STABILISATION OF FOUNDATIONS/STRUCTURES BY CONSTRUCTION, EXCAVATION OR EQUIPMENT MOVEMENT
8. LOCATIONS FOR STORAGE OF EXCAVATED MATERIAL TO BE REVIEWED BY CONTRACTOR FOR SLOPE STABILITY AND AGREED WITH THE SPEN CONSTRUCTION MANAGER.

NOTES:

1. ALL DIMENSIONS AND LEVELS ARE IN METRES UNLESS OTHERWISE NOTED.
2. DIMENSIONS SHALL NOT BE SCALED FROM THIS DRAWING.
3. INFORMATION REGARDING THE LOCATION AND DEPTH OF EXISTING SERVICES ARE BASED ON EXISTING INFORMATION AND ARE INDICATIVE ONLY. THE CONTRACTOR SHALL CARRY OUT ADEQUATE SURVEYS OF EXISTING CABLES AND HAND DIG TRIAL PITS AS NECESSARY.
4. THE CONTRACTOR SHALL TAKE SPECIAL CARE WITH EXISTING SERVICES BOTH SURFACE AND UNDERGROUND, IN THE WORK AREA. IF IT IS NECESSARY TRIAL PITS WILL BE DUG TO VERIFY THE LOCATION OF SERVICES IN ACCORDANCE WITH SP SAFETY RULES & HSG47.
5. IF DURING EXCAVATION THE CONTRACTOR DISCOVERS ANY STRUCTURES OR SERVICES ON SITE WHICH ARE NOT SHOWN ON THE DRAWINGS, HE SHALL IMMEDIATELY INFORM THE SP ENERGY NETWORKS SITE SUPERVISOR, WHO SHALL DECIDE WHAT ACTION TO TAKE AS DEFINED IN NGTS 3.10.03 THIS IS A HOLD POINT.
6. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH THE BASIS OF DESIGN REPORT, EARTHWORKS SPECIFICATION AND ALL OTHER RELEVANT DOCUMENTATION, DRAWINGS AND STANDARD DETAILS.
7. CONTRACTOR IS RESPONSIBLE FOR SUBMITTING AN EARTHWORKS PLAN FOR THE PROPOSED WORKS AND SHOULD INCLUDE METHODOLOGY FOR STORING AND REMOVAL FROM SITE OF EXCAVATED MATERIAL.
8. STRIPPING AND STORAGE OF TOPSOIL AND SUBSOIL SHALL BE UNDERTAKEN BY THE CONTRACTOR IN ACCORDANCE WITH BS4428. STRICT PRECAUTIONS SHALL BE TAKEN TO PREVENT THE MIXING OF TOPSOIL AND SUBSOIL.
9. TOPSOIL MUST BE STORED IN HEAPS NOT EXCEEDING 1.5M IN HEIGHT AND 3.0M WIDTH. PREVENT COMPACTION AND CONTAMINATION OF STORAGE HEAPS BY FENCING AND COVERING AS APPROPRIATE.
10. ALL EARTHWORKS SHALL BE IN ACCORDANCE WITH SP ENERGY NETWORKS' ENGINEERING SPECIFICATION AND DRAWINGS.
11. THE CONTRACTOR SHALL AVOID MULTIPLE HANDLING OF EXCAVATED MATERIALS WHERE POSSIBLE.
12. LEVEL INFORMATION FOR GROUND CONDITIONS ARE EXTRAPOLATED BETWEEN LIMITED AVAILABLE EXPLORATORY HOLES TO COVER THE SITE AREA. ACTUAL GROUND CONDITIONS MAY VARY LOCALLY AND MAY BE DIFFERENT TO WHAT IS SHOWN ON THE SECTIONS. DURING CONSTRUCTION THE CONTRACTOR SHOULD CONSTRUCT THE SLOPES BASED ON THE MATERIAL ENCOUNTERED FOLLOWING THE METHODOLOGY OF THE DESIGN DRAWINGS.
13. WHERE CONSTRUCTION RUN OFF IS DISCHARGED TO GROUND OR WATERCOURSE THE NECESSARY PERMITS SHALL BE OBTAINED AND CARRIED OUT IN ACCORDANCE WITH SEPA BEST PRACTICE.
14. CONTRACTOR SHALL PROTECT EXISTING SERVICES AND SCOTTISH WATER ASSETS AT ALL PROPOSED CROSSING POINTS AS PART OF THEIR TEMPORARY WORKS. CROSSINGS OF EXISTING SERVICES SHALL BE KEPT TO THE MINIMUM REQUIRED.
15. CONFLICTING INFORMATION SHOWN ON THE DESIGNERS DRAWINGS OR DISCREPANCIES BETWEEN THE INFORMATION GIVEN BY THE SP ENERGY NETWORKS ENGINEER AND THAT PROVIDED BY OTHERS MUST BE REFERRED TO THE SP ENERGY NETWORKS ENGINEER BEFORE THE WORKS COMMENCE.
16. MINIMUM EXCAVATION LEVEL TO EARTHWORKS FORMATION LEVEL TO BE 370 mm BELOW EXISTING GROUND LEVEL (CHECKED AGAINST BRE 460 REQUIREMENTS). EXCAVATION TO THE EARTHWORKS FORMATION LEVEL TO FOLLOW EXISTING TOPOGRAPHY.
17. EXISTING SERVICES SHALL BE SPLIT DUCTED (IF NOT ALREADY IN DUCTS OR A PIPE IN PLACE) UNDER HARDSTANDING OR TRAFFICKED AREAS. THEY ALSO SHALL BE ENCASED IN (MIN. 150 MM) C32/40 CONCRETE FOR THE LENGTH UNDER THE HARDSTANDING/TRAFFICKED AREA PLUS AN ADDITIONAL 1.5M EITHER SIDE.



TYPICAL CROSS-SECTION THROUGH PROPOSED FARMERS ACCESS TRACK
(NOT TO SCALE)

SECTION A-A
(NOT TO SCALE)

SETTING OUT COORDINATES

POINTS	EASTING	NORTHING	NOTES
SOP001	287350.774	627204.318	-
SOP002	287360.52	627207.993	-
SOP003	287368.438	627213.724	-
SOP004	287374.823	627220.388	-
SOP005	287379.854	627227.807	-
SOP006	287383.573	627235.381	-
SOP007	287387.913	627248.509	-
SOP008	287394.255	627277.57	-
SOP009	287400.844	627327.114	-
SOP010	287402.604	627339.964	-
SOP011	287405.013	627349.662	-
SOP012	287406.917	627355.365	-
SOP013	287408.163	627357.963	-
SOP014	287410.455	627362.74	-
SOP015	287417.542	627372.487	-

REFERENCE DRAWINGS:

FOR OVERALL PROPOSED PLATFORM LAYOUT, REFER DRAWING BT3423-2-1100-DO-AECOEC-1010.
FOR SITE CLEARANCE, REFER DRAWING BT3423-2-1100-DO-AECOEC-1003.
FOR CROSS-SECTIONS THROUGH PROPOSED PLATFORM, REFER DRAWING BT3423-2-1100-DO-AECOEC-1011.
FOR TYPICAL PLATFORM CONSTRUCTION DETAILS, REFER DRAWING BT3423-2-1100-DO-AECOEC-1015.
FOR SUBSTATION ACCESS ROAD, REFER DRAWING BT3423-2-1100-DO-AECOEC-1020.
FOR INDICATIVE CUT & FILL DEPTHS, REFER DRAWING BT3423-2-1100-DO-AECOEC-1040.
FOR PROPOSED DRAINAGE LAYOUT, REFER DRAWING BT3423-2-1100-DO-AECOEC-1050.
FOR TEMPORARY CONTRACTORS COMPOUND, REFER DRAWING BT3423-2-1100-DO-AECOEC-1060.

NOTES:

SUBSTATION ELECTRICAL LAYOUT BASED ON SPEN DRAWNG BT3423-2-00JA-DA-SPTEK-1111 Rev.0M, December 2024.
TOPOGRAPHIC SURVEY CARRIED OUT BY L&M SURVEYS, January 2024.

KEY:

CUT SLOPE (GRADIENT VARIES)
FILL SLOPE (GENERALLY 1:2 GRADIENT)
PLANNING BOUNDARY (20.645 Ha)

Rev.	Date	Drawn	Reviewed	Approved	Reason / Description of changes.
0B	28.02.25	JM	EP	RQ	TENDER DESIGN REISSUE
0A	21.02.25	JM	EP	RQ	TENDER DESIGN ISSUE

SP ENERGY NETWORKS

AECOM

Issue Status: FOR INFORMATION
NOEMI LOPEZ SOLANO 2025.03.10 10:52:13 +01'00'

Project: REDSHAW 400/132kV SUBSTATION ENABLING WORKS

Location: REDSHAW

Drg. Title: PROPOSED FARMERS ACCESS TRACK (FOLLOWING REMOVAL OF TEMPORARY COMPOUND)

Drawn	Rev'd	App'd
EP	JM	RQ

Drg. No.: BT3423-2-1100-DO-AECOEC-1083
SPEN Ref. No. : ####
Sheet: Next:
Rev: 0B
Scale: 1:500
Size: A1

All rights reserved. Total or partial reproduction of this drawing without authorisation of the proprietor is prohibited.