



COORDINATES				
POINTS	EASTING	NORTHING	ELEVATION	NOTES
SOP001	287168.932	627259.178	287.870m	BASE OF GABION BASKET
SOP002	287169.283	627260.139	287.870m	BASE OF GABION BASKET
SOP003	287206.508	627245.464	287.870m	BASE OF GABION BASKET
SOP004	287206.86	627246.429	287.870m	BASE OF GABION BASKET

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

- WORKS TO BE CARRIED OUT ADJACENT TO A HIGH VOLTAGE ENVIRONMENT. ALL WORKS TO PROCEED IN ACCORDANCE WITH 1950 47 UNDERGROUND CABLES & 1056 (OVERHEAD LINES) & SCOTTISH POWER ELECTRICAL & MECHANICAL SAFETY RULES HANDBOOK 9th 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.
- PARTICULAR CARE IS REQUIRED WHEN WORKING AROUND THE 2 NO EXISTING SCOTTISH WATER PIPES RUNNING WITHIN THE FIELD PARALLEL TO 87079. CONTRACTOR TO FOLLOW AND ADHERE TO APPROPRIATE SCOTTISH WATER DOWNS 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 (IN USE OF SW APPROVED CONTRACTOR).
- 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 PUMP AND PUMP AS WHEN REQUIRED.
- STEEP GROUND - CARE TO BE TAKEN WHEN MOVING AND OPERATING MACHINERY. ALL VEHICLES AND MACHINERY TO BE APPROPRIATE FOR THE CONDITIONS.
- 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.
- CARE SHOULD BE TAKEN TO PREVENT ANY CONTAMINATION OR SILT RUN-OFF FROM ENTERING ANY ADJACENT WATERCOURSES OR DRAINAGE SYSTEMS. 10m BUFFER SHALL BE LEFT TO EXISTING WATERCOURSES AT ALL TIMES.
- 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.
- LOCATIONS FOR STORAGE OF EXCAVATED MATERIAL TO BE REVIEWED BY CONTRACTOR FOR SLOPE STABILITY AND AGREED WITH THE SPEN CONSTRUCTION MANAGER.

REFERENCE DRAWINGS:

PROPOSED SUBSTATION LAYOUT, REFER DRAWING BT3423-2-1100-DO-AECOEC-1010.
FOR ADDITIONAL SECTIONS, REFER DRAWING BT3423-2-1100-DO-AECOEC-1071.

NOTES:

TOPOGRAPHIC SURVEY CARRIED OUT BY L&M SURVEYS, January 2024.
GABION BASKET WALL TO BE INSTALLED AS PER MANUFACTURERS METHODOLOGY.
INSPECTION TO BE UNDERTAKEN BY SUITABLY QUALIFIED ENGINEER OF GABION BASKET WALL FORMATION LEVEL TO DETERMINE THE NATURE AND SUITABILITY TO ACT AS A FORMATION.

PROPOSED GABION WALL ARRANGEMENT SHOWN ON THIS DRAWING IS BASED ON DESIGN AND RECOMMENDATIONS PROVIDED BY MACCAFERRI. MATERIALS TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS GUIDANCE.

KEY:

- FILL SLOPE (GENERALLY 1:2 GRADIENT)
- 1m x 1m x 1m MACCAFERRI GABION BASKET (OR EQUAL APPROVED)

0D	28.02.25	JM	EP	RQ	TENDER DESIGN REISSUE
0C	21.02.25	JM	EP	RQ	TENDER DESIGN REISSUE
0B	30.12.24	JM	EP	RQ	TENDER DESIGN ISSUE
0A	30.10.24	JM	EP	RQ	OUTLINE DESIGN ISSUE
Rev.	Date	Drawn	Reviewed	Approved	Reason / Description of changes.
<div><div></div><div><div>FOR INFORMATION</div></div></div>					
Project: REDSHAW 400/132kV SUBSTATION ENABLING WORKS					
Location: REDSHAW					
Drg. Title: PROPOSED GABION BASKET RETAINING WALL DETAILS					
Drawn: JM		Rev'd: EP		App'd: RQ	
Drg. No.: BT3423-2-1100-DO-AECOEC-1070		Next: AS SHOWN		Rev: 0D	
SPEN Ref. No.: ###		Scale: AS SHOWN		Size: A1	

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