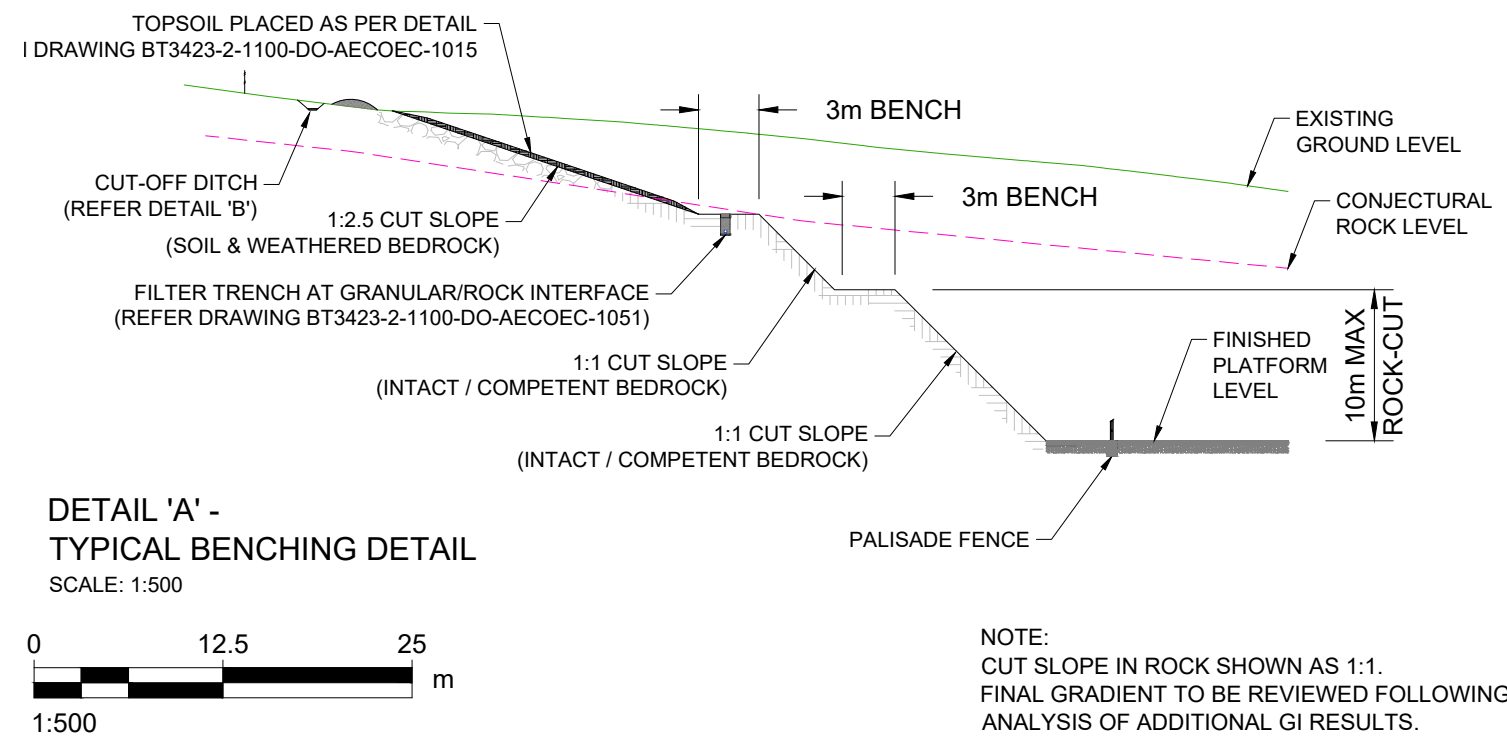


SECTION LOCATION PLAN  
SCALE: 1:2000

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. TEMPORARY CONTRACTOR'S COMPOUND DRAINAGE INFRASTRUCTURE SHOWN IS INDICATIVE ONLY. THE CONTRACTOR SHALL SUBMIT A CONSTRUCTION DRAINAGE PLAN TO SP ENERGY NETWORKS FOR APPROVAL PRIOR TO COMMENCEMENT OF WORKS.
14. 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.
15. CONTRACTOR SHALL PROTECT EXISTING SERVICES AND SCOTTISHWATER ASSETS AT ALL PROPOSED CROSSING POINTS AS PART OF THEIR TEMPORARY WORKS. CROSSINGS OF EXISTING SERVICES SHALL BE KEPT TO THE MINIMUM REQUIRED.
16. 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.
17. TEMPORARY WORKS DESIGN ASSOCIATED WITH THE CONSTRUCTION OF THE WORKS SHALL BE RESPONSIBILITY OF THE CONTRACTOR.
18. THE PROPOSED TEMPORARY ROAD ALIGNMENT AND ASSOCIATED CONSTRUCTION DETAILS ARE PROVIDED AS A PRELIMINARY DESIGN DUE TO THE SITE CONSTRAINTS AND SERVICES IN THE AREA. THIS DESIGN SHALL BE ASSESSED AND INVESTIGATED BY THE CONTRACTOR AS PART OF THEIR TEMPORARY WORKS DESIGN AND CONSTRUCTION WORKS MANAGEMENT RESPONSIBILITIES.
19. 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.
20. 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.



NOTE:  
CUT SLOPE IN ROCK SHOWN AS 1:1.  
FINAL GRADIENT TO BE REVIEWED FOLLOWING ANALYSIS OF ADDITIONAL GI RESULTS.

REFERENCE DRAWINGS:

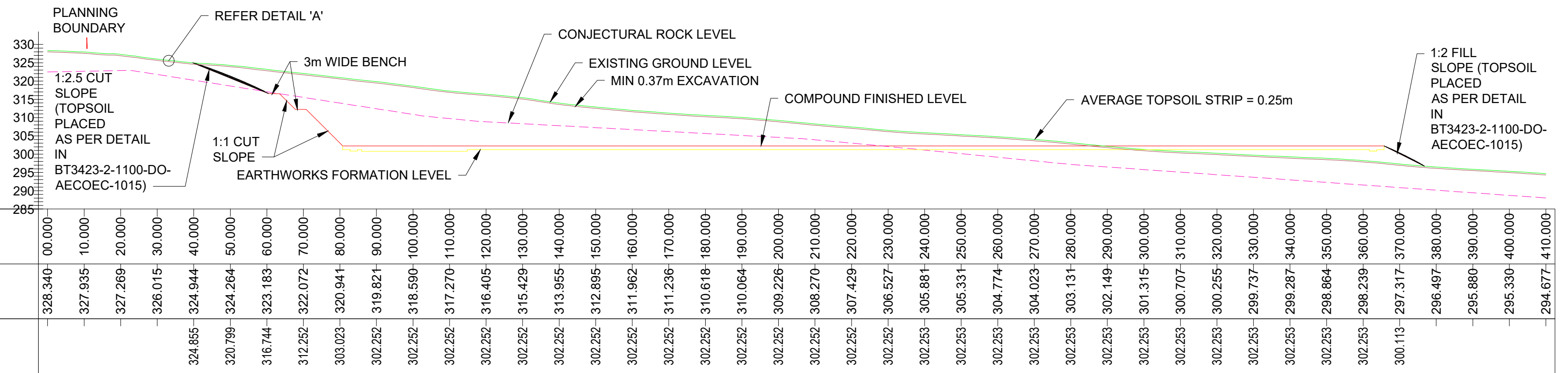
FOR DRAWING 2 of 2, REFER BT3423-2-1100-DO-AECOEC-1012.  
PROPOSED SUBSTATION LAYOUT, REFER DRAWING BT3423-2-1100-DO-AECOEC-1010.  
FOR TYPICAL PLATFORM CONSTRUCTION DETAILS, REFER DRAWING BT3423-2-1100-DO-AECOEC-1015.  
FOR SUBSTATION ACCESS ROAD, REFER DRAWING BT3423-2-1100-DO-AECOEC-1020.  
FOR PROTECTION OF SCOTTISH WATER PIPES, REFER DRAWING BT3423-2-1100-DO-AECOEC-1030.

NOTES:

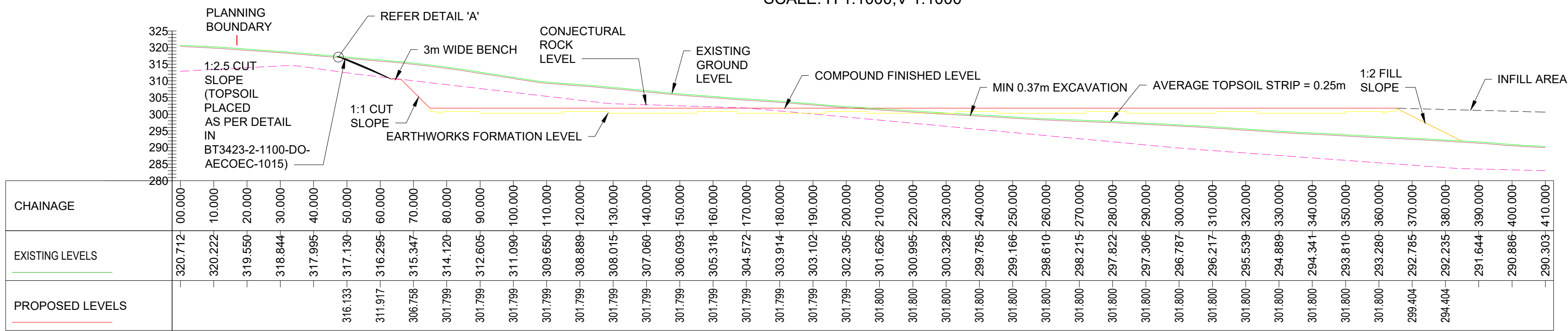
SUBSTATION ELECTRICAL LAYOUT BASED ON SPEN DRAWING BT3423-2-00JA-DA-SPTEK-1111 Rev.0M, December 2024.  
TOPOGRAPHIC SURVEY CARRIED OUT BY L&M SURVEYS, January 2024.

KEY:

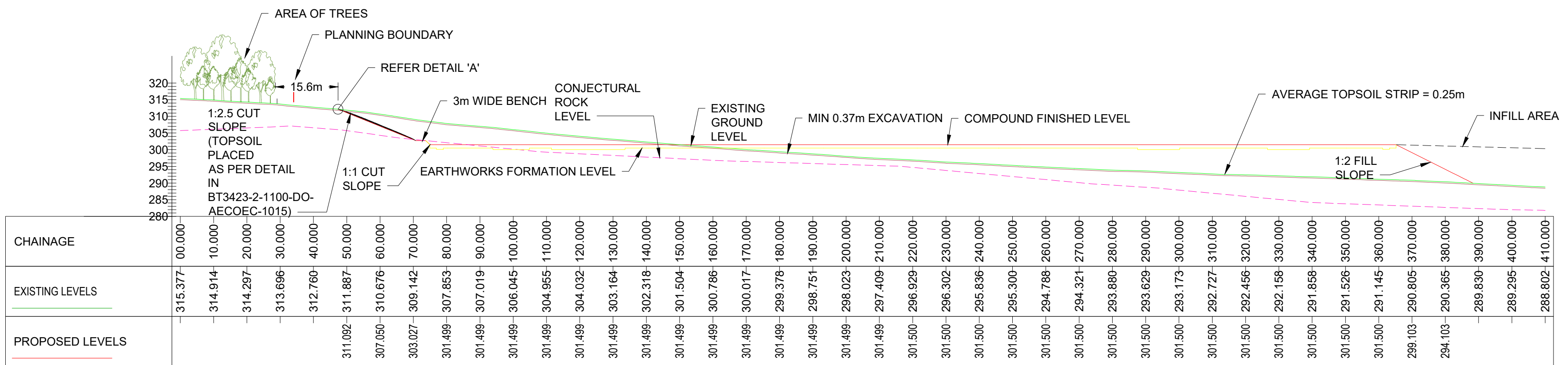
- CUT SLOPE (GRADIENT VARIES)
- FILL SLOPE (GENERALLY 1:2 GRADIENT)
- PLANNING BOUNDARY (20.645Ha)



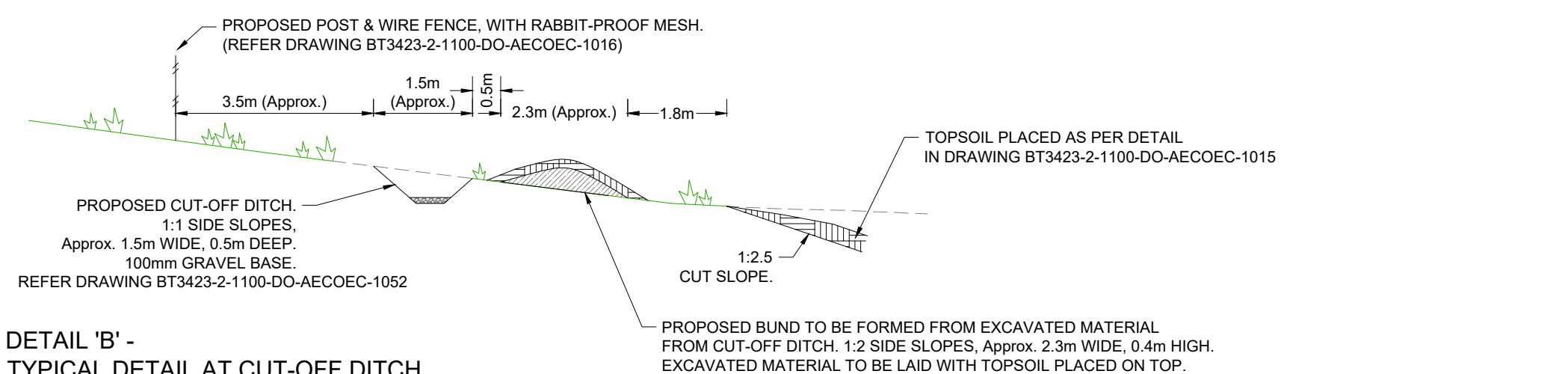
SECTION A-A  
SCALE: H 1:1000, V 1:1000



SECTION B-B  
SCALE: H 1:1000, V 1:1000



SECTION C-C  
SCALE: H 1:1000, V 1:1000



DETAIL 'B' -  
TYPICAL DETAIL AT CUT-OFF DITCH  
SCALE: 1:100

OG	28.02.24	JM	EP	RQ	TENDER DESIGN REISSUE
OF	21.02.24	JM	EP	RQ	TENDER DESIGN REISSUE
OE	19.12.24	JM	EP	RQ	TENDER DESIGN REISSUE
OD	07.11.24	JM	EP	RQ	OUTLINE DESIGN ISSUE
DC	30.10.24	JM	EP	RQ	OUTLINE DESIGN ISSUE
DB	03.10.24	JM	EP	RQ	OUTLINE DESIGN ISSUE
-	18.09.24	JM	EP	RQ	OUTLINE DESIGN ISSUE
Rev.	Date	Drawn	Reviewed	Approved	Reason / Description of changes.
					Project: REDSHAW 400/132kV SUBSTATION ENABLING WORKS
					Location: REDSHAW
					Orig. Title: CROSS-SECTIONS THROUGH PROPOSED PLATFORM & EARTHWORKS (Sheet 1 of 2)
					Drawn: JM, Rev'd: EP, App'd: RQ
					Orig. No.: BT3423-2-1100-DO-AECOEC-1011, Sheet: 06, SPEN Ref. No.: # # # #, Scale: 1:1000, Size: A1

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