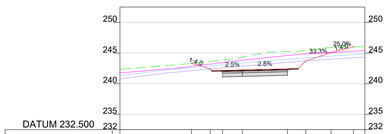
KEY:

- EXISTING GROUND LEVEL (LIDAR)
- BASE OF TOPSOIL, TOP OF FIRM CLAY
- BASE OF FIRM CLAY, TOP OF SAND
- BASE OF SAND, TOP OF ROCKHEAD
- PROPOSED FINISHED GROUND LEVEL

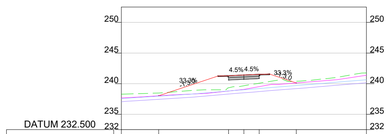
NOTES:

1. THIS DRAWING IS NOT SUITABLE FOR CONSTRUCTION.
2. INFORMATION REGARDING THE LOCATION AND DEPTH OF EXISTING SERVICES SHOWN ON THIS DRAWING IS TAKEN FROM LIMITED RECORD INFORMATION AND MUST BE CONFIRMED ON SITE BY THE CONTRACTOR.
3. DIMENSIONS SHALL NOT BE SCALED FROM THE DRAWING.
4. EXISTING LEVELS INFORMATION IS REPLICATED FROM DRONE SURVEY PROVIDED BY BB WITH GAPS FILLED USING LIDAR DTM AT A 5m GRID (C) BLUESKY INTERNATIONAL LIMITED.
5. LEVEL INFORMATION FOR PEAT, TILL AND ROCK LAYERS ARE EXTRAPOLATED BETWEEN LIMITED AVAILABLE EXPLORATORY HOLES AND PEAT PROBING TO COVER THE SITE AREA. ACTUAL GROUND CONDITIONS MAY BE DIFFERENT TO WHAT IS SHOWN ON THE SECTIONS.



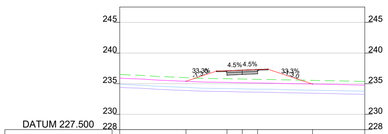
PROPOSED LEVELS			243.30	242.40	242.15	242.23	242.42	243.71	245.09	246.00
EXISTING LEVELS	242.35	242.76	243.15	243.64	244.34	245.18	245.38	245.92	246.00
OFFSET	-20.00	-15.00	-10.00	-5.00	0.00	5.00	10.00	15.00	20.00

ALN_ACCESS ROAD 1_OPT 3.3 - CHAINAGE:80.000
SCALE: H 1:500,V 1:500.



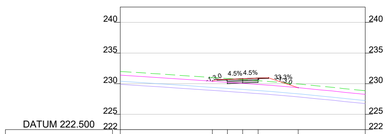
PROPOSED LEVELS			238.03		241.30	241.41	241.52	240.12	
EXISTING LEVELS	238.27	238.44	238.78	239.00	239.67	239.67	240.49	240.49	241.01	241.76
OFFSET	-20.00	-15.00	-10.00	-5.00	0.00	5.00	10.00	15.00	20.00

ALN_ACCESS ROAD 1_OPT 3.3 - CHAINAGE:160.000
SCALE: H 1:500,V 1:500.



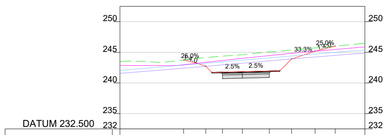
PROPOSED LEVELS			235.39		237.09	237.20	237.31		234.94	
EXISTING LEVELS	236.51	236.26	236.03	235.84	235.75	235.67	235.57	235.47	235.36
OFFSET	-20.00	-15.00	-10.00	-5.00	0.00	5.00	10.00	15.00	20.00

ALN_ACCESS ROAD 1_OPT 3.3 - CHAINAGE:240.000
SCALE: H 1:500,V 1:500.



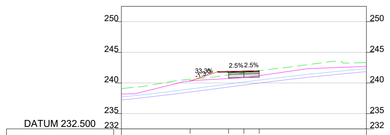
PROPOSED LEVELS			230.40	230.69	230.80	230.91	229.34		
EXISTING LEVELS	232.00	231.68	231.34	231.00	230.66	230.29	229.86	229.37	228.85
OFFSET	-20.00	-15.00	-10.00	-5.00	0.00	5.00	10.00	15.00	20.00

ALN_ACCESS ROAD 1_OPT 3.3 - CHAINAGE:320.000
SCALE: H 1:500,V 1:500.



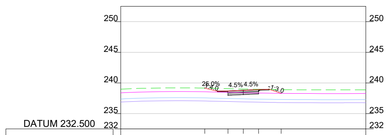
PROPOSED LEVELS			243.75	242.72	241.75	241.83	241.94	243.91	245.16	246.01
EXISTING LEVELS	243.46	243.44	243.70	244.23	244.61	245.12	245.56	245.99	246.47
OFFSET	-20.00	-15.00	-10.00	-5.00	0.00	5.00	10.00	15.00	20.00

ALN_ACCESS ROAD 1_OPT 3.3 - CHAINAGE:60.000
SCALE: H 1:500,V 1:500.



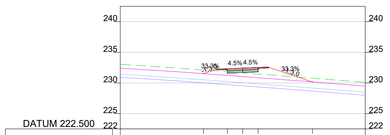
PROPOSED LEVELS			240.31		241.88	241.94	242.00		
EXISTING LEVELS	239.09	239.69	240.48	240.96	241.66	242.30	242.92	243.51	243.32
OFFSET	-20.00	-15.00	-10.00	-5.00	0.00	5.00	10.00	15.00	20.00

ALN_ACCESS ROAD 1_OPT 3.3 - CHAINAGE:140.000
SCALE: H 1:500,V 1:500.



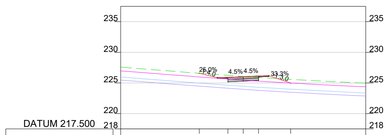
PROPOSED LEVELS			239.16	238.69	238.80	238.91	238.30		
EXISTING LEVELS	238.98	239.15	239.20	239.13	239.01	238.91	238.88	238.87	238.89
OFFSET	-20.00	-15.00	-10.00	-5.00	0.00	5.00	10.00	15.00	20.00

ALN_ACCESS ROAD 1_OPT 3.3 - CHAINAGE:220.000
SCALE: H 1:500,V 1:500.



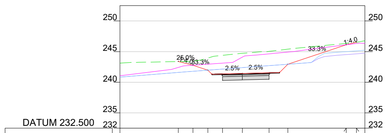
PROPOSED LEVELS			231.52	232.29	232.40	232.51	230.17		
EXISTING LEVELS	233.02	232.71	232.37	232.01	231.64	231.26	230.88	230.49	230.09
OFFSET	-20.00	-15.00	-10.00	-5.00	0.00	5.00	10.00	15.00	20.00

ALN_ACCESS ROAD 1_OPT 3.3 - CHAINAGE:300.000
SCALE: H 1:500,V 1:500.



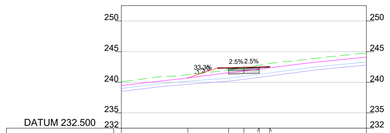
PROPOSED LEVELS			226.58	225.89	226.00	226.11	224.98		
EXISTING LEVELS	227.57	227.18	226.80	226.42	226.06	225.75	225.46	225.20	224.96
OFFSET	-20.00	-15.00	-10.00	-5.00	0.00	5.00	10.00	15.00	20.00

ALN_ACCESS ROAD 1_OPT 3.3 - CHAINAGE:380.000
SCALE: H 1:500,V 1:500.



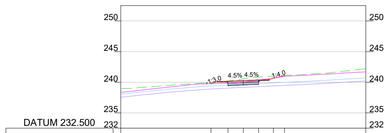
PROPOSED LEVELS			243.38	242.78	241.97	241.35	241.43	241.54	242.94	246.11	246.53
EXISTING LEVELS	243.11	243.29	243.39	244.14	244.71	245.12	245.66	246.15	246.76
OFFSET	-20.00	-15.00	-10.00	-5.00	0.00	5.00	10.00	15.00	20.00

ALN_ACCESS ROAD 1_OPT 3.3 - CHAINAGE:40.000
SCALE: H 1:500,V 1:500.



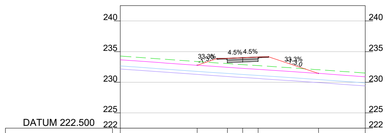
PROPOSED LEVELS			240.70		242.38	242.44	242.50	242.55		
EXISTING LEVELS	240.07	240.73	241.14	241.69	242.38	242.44	243.15	243.72	244.26	244.71
OFFSET	-20.00	-15.00	-10.00	-5.00	0.00	5.00	10.00	15.00	20.00

ALN_ACCESS ROAD 1_OPT 3.3 - CHAINAGE:120.000
SCALE: H 1:500,V 1:500.



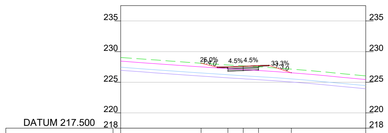
PROPOSED LEVELS			239.75	240.14	240.25	240.36	240.63	241.10		
EXISTING LEVELS	238.95	239.26	239.66	239.94	240.56	241.01	241.28	241.64	242.20
OFFSET	-20.00	-15.00	-10.00	-5.00	0.00	5.00	10.00	15.00	20.00

ALN_ACCESS ROAD 1_OPT 3.3 - CHAINAGE:198.140
SCALE: H 1:500,V 1:500.



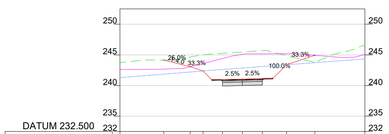
PROPOSED LEVELS			232.77	233.89	234.00	234.11	231.44		
EXISTING LEVELS	234.26	233.91	233.55	233.20	232.87	232.55	232.20	231.85	231.49
OFFSET	-20.00	-15.00	-10.00	-5.00	0.00	5.00	10.00	15.00	20.00

ALN_ACCESS ROAD 1_OPT 3.3 - CHAINAGE:280.000
SCALE: H 1:500,V 1:500.



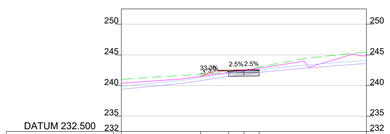
PROPOSED LEVELS			228.11	227.49	227.60	227.71	226.54		
EXISTING LEVELS	229.05	228.68	228.32	227.98	227.66	227.35	226.97	226.51	226.04
OFFSET	-20.00	-15.00	-10.00	-5.00	0.00	5.00	10.00	15.00	20.00

ALN_ACCESS ROAD 1_OPT 3.3 - CHAINAGE:360.000
SCALE: H 1:500,V 1:500.



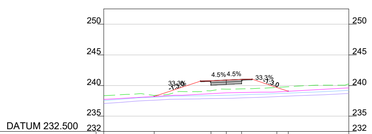
PROPOSED LEVELS			244.14	243.07	242.37	240.96	241.04	241.13	243.39	244.93
EXISTING LEVELS	243.71	244.16	244.40	245.13	245.47	245.44	244.20	245.09	246.51
OFFSET	-20.00	-15.00	-10.00	-5.00	0.00	5.00	10.00	15.00	20.00

ALN_ACCESS ROAD 1_OPT 3.3 - CHAINAGE:20.000
SCALE: H 1:500,V 1:500.



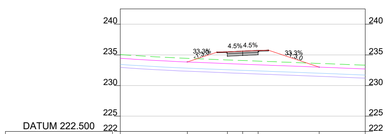
PROPOSED LEVELS			241.51		242.50	242.56	242.62		
EXISTING LEVELS	240.97	241.34	241.66	241.98	242.55	242.50	243.50	244.44	244.96	245.44
OFFSET	-20.00	-15.00	-10.00	-5.00	0.00	5.00	10.00	15.00	20.00

ALN_ACCESS ROAD 1_OPT 3.3 - CHAINAGE:100.000
SCALE: H 1:500,V 1:500.



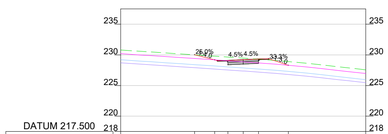
PROPOSED LEVELS			238.21		240.77	240.88	240.99	239.89	239.07	
EXISTING LEVELS	238.34	238.60	238.50	239.00	239.41	239.52	239.80	240.06	240.22
OFFSET	-20.00	-15.00	-10.00	-5.00	0.00	5.00	10.00	15.00	20.00

ALN_ACCESS ROAD 1_OPT 3.3 - CHAINAGE:180.000
SCALE: H 1:500,V 1:500.



PROPOSED LEVELS			233.84	235.49	235.60	235.71	233.00		
EXISTING LEVELS	235.05	234.73	234.48	234.28	234.08	233.89	233.70	233.51	233.31
OFFSET	-20.00	-15.00	-10.00	-5.00	0.00	5.00	10.00	15.00	20.00

ALN_ACCESS ROAD 1_OPT 3.3 - CHAINAGE:260.000
SCALE: H 1:500,V 1:500.



PROPOSED LEVELS			230.01	229.19	229.09	229.20	229.31	228.30		
EXISTING LEVELS	230.80	230.47	230.15	229.81	229.47	229.11	228.66	228.12	227.56
OFFSET	-20.00	-15.00	-10.00	-5.00	0.00	5.00	10.00	15.00	20.00

ALN_ACCESS ROAD 1_OPT 3.3 - CHAINAGE:340.000
SCALE: H 1:500,V 1:500.

Designer's Site Specific Risk Assessment

This assessment is for non-standard or unusual Hazards and it is expected that Hazards associated with standard installations and designs are well understood by a competent Contractor.

By: Date:

- No works associated with this drawing

HAZARDS/ ACTIVITY - Assessed as Low (L) / Medium (M) / High (H)

-	Falls From Height	-	Drowning/Fall onto Rebar
-	Hazardous Material	-	Contaminated Land
-	Excavation/Service Strike	-	Poor Ground conditions
-	HAVS	-	Site Fabrication/drilling
-	Confined Workplace	-	Manual Handling
-	Access/Egress	-	Stored Energy
-	Weight Limit	-	Congested site
-	Residual Electricity	-	Existing equipment in close proximity

Interfaces: - Public - Operatives - Vehicle/Plant

WHO COULD BE HARMED?	CONTROL MEASURES
- Construction operatives	- Existing work instruction
- Dismantling crew	- Method detailed on drawing
- Future maintenance crew	- Method detailed on separate document
- Public	

TEMPORARY WORKS

- No temporary works required
- Temporary works required and documented separately
- Drawing contains temporary works:

DC0	-	Standard solution
DC1	-	Simple design
DC2	-	More complex design
DC3	-	Complex/Innovative
DC4	-	Abnormal Highly innovative

} Complete temporary works design check certificate: ENG-SF-0101C

Level 1 Control

OK to proceed, no significant design hazards and risks, standard control measures apply.

Level 2 Control

OK to proceed as detailed in existing work instruction or procedure detailed on drawing or separate document.

Level 3 Control

OK to proceed providing specific design hazards and risks have been recognised, acknowledged and understood by the operation team. Site operatives may require additional instruction/training.

CDM REGULATIONS RESIDUAL RISKS

Design based hazards are actively eliminated where possible. Where hazards cannot be eliminated, this symbol along with an attached note will identify the hazard and indicate that an action is required by the person supervising the works to manage the design hazard during construction.

Other than those noted, we are not aware of any further residual design risks apart from those that a competent Contractor would ordinarily consider.

RESIDUAL RISK METER

DRAWN	BP	REMARKS: ROAD SLOPES UPDATED TO 1 IN 3			
CHKD	MD				
DESIGN	RV	STATUS	S5	DATE	06/12/24
APPD	NM	FOR ACCEPTANCE		REV	P05
DRAWN	BP	REMARKS: DRAWING UPDATED TO SUIT NEW WIDENING WORKS AND DRAINAGE ARRANGEMENT			
CHKD	MD				
DESIGN	RV	STATUS	S5	DATE	26/11/24
APPD	NM	FOR ACCEPTANCE		REV	P04
DRAWN	BP	REMARKS: 2C FINAL ECE			
CHKD	MD				
DESIGN	RV	STATUS	S5	DATE	12/07/24
APPD	NM	FOR ACCEPTANCE		REV	P03
DRAWN	BP	REMARKS: 2C ISSUE			
CHKD	MD				
DESIGN	RV	STATUS	S5	DATE	07/05/24
APPD	NM	FOR ACCEPTANCE		REV	P02
DRAWN	BP	REMARKS: 2B ISSUE			
CHKD	MD				
DESIGN	RV	STATUS	S5	DATE	22/03/24
APPD	NM	FOR ACCEPTANCE		REV	P01

Scottish & Southern Electricity Networks

Balfour Beatty

PROJECT NAME: ASTI - ECE

LOCATION: CAMBUSHINNIE 400kV S/S

SITE: CMBS

TITLE:

CAMBUSHINNIE 400kV S/S
PROPOSED ACCESS ROAD
CROSS SECTIONS
SHEET 01 OF 07

SIZE	SCALE	FORMAT	SHEET No.
A1	1:500	ACAD	01 OF 07

DRAWING No. CMBS4-LT520-BB-ROAD-ZZ-D-C-0016

0 1:500 25 metres

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