

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:
<input type="checkbox"/> No works associated with this drawing	
HAZARDS/ ACTIVITY - Assessed as Low (L) / Medium (M) / High (H)	
<input type="checkbox"/> Falls From Height	<input type="checkbox"/> Drowning/Fall onto Rebar
<input type="checkbox"/> Hazardous Material	<input type="checkbox"/> Contaminated Land
<input type="checkbox"/> Excavation/Service Strike	<input type="checkbox"/> Poor Ground conditions
<input type="checkbox"/> HAVS	<input type="checkbox"/> Site Fabrication/drilling
<input type="checkbox"/> Confined Workplace	<input type="checkbox"/> Manual Handling
<input type="checkbox"/> Access/Egress	<input type="checkbox"/> Stored Energy
<input type="checkbox"/> Weight Limit	<input type="checkbox"/> Congested site
<input type="checkbox"/> Residual Electricity	<input type="checkbox"/> Existing equipment in close proximity
Interfaces: <input type="checkbox"/> Public <input type="checkbox"/> Operatives <input type="checkbox"/> Vehicle/Plant	

WHO COULD BE HARMED?	CONTROL MEASURES
<input type="checkbox"/> Construction operatives	<input type="checkbox"/> Existing work instruction
<input type="checkbox"/> Dismantling crew	<input type="checkbox"/> Method detailed on drawing
<input type="checkbox"/> Future maintenance crew	<input type="checkbox"/> Method detailed on separate document

TEMPORARY WORKS		
<input type="checkbox"/> -	No temporary works required	
<input type="checkbox"/> -	Temporary works required and documented separately	
<input type="checkbox"/> -	Drawing contains temporary works:	
DC0 -	} Complete temporary works design check certificate: ENG-SF-0101C	
DC1 -		
DC2 -		More complex design
DC3 -		Complex/Innovative
DC4 -		Abnormal/Highly innovative

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	
<div><div></div></div>	
OVERALL RISK SCORE = xx / xx	

RESIDUAL RISK METER	
<div><div></div></div>	
OVERALL RISK SCORE = xx / xx	

DRAWN	BG	REMARKS:
CHKD	AS	DRAWING UPDATED TO SUIT NEW WIDENING WORKS AND DRAINAGE ARRANGEMENT

DESIGN	AS	STATUS	S5	DATE	26/11/24
APPD	NM	FOR ACCEPTANCE	REV	P06	

DRAWN	BG	REMARKS:
CHKD	AS	DRAWING UPDATED TO SUIT NEW WIDENING WORKS AND DRAINAGE ARRANGEMENT

DESIGN	AS	STATUS	S5	DATE	18/11/24
APPD	NM	FOR ACCEPTANCE	REV	P05	

DRAWN	BG	REMARKS:
CHKD	MD	2C RESUBMISSION

DESIGN	RV	STATUS	S5	DATE	17/09/2024
APPD	NM	FOR ACCEPTANCE	REV	P04	

DRAWN	DK	REMARKS:
CHKD	MD	2C FINAL ECE

DESIGN	RV	STATUS	S5	DATE	12/07/2024
APPD	NM	FOR ACCEPTANCE	REV	P03	

DRAWN	BP	REMARKS:
CHKD	MD	2C ISSUE

DESIGN	RV	STATUS	S5	DATE	17/05/2024
APPD	NM	FOR ACCEPTANCE	REV	P02	

DRAWN	BP	REMARKS:
CHKD	MD	2B ISSUE

DESIGN	RV	STATUS	S5	DATE	22/03/2024
APPD	NM	FOR ACCEPTANCE	REV	P01	

Scottish & Southern Electricity Networks	
Balfour Beatty	

PROJECT NAME:	
ASTI - ECE	
LOCATION:	SITE:
CAMBUSHINNIE 400kV SUBSTATION	CMBS
TITLE:	
CAMBUSHINNIE 400kV ROAD IMPROVEMENTS GENERAL ARRANGEMENT SHEET 01 OF 07	

SIZE	SCALE	FORMAT	SHEET No.
A1	1:500	ACAD	01 OF 07
DRAWING No.			
CMBS-LT520-BB-ROAD-ZZ-D-C-0005			

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. CARE SHOULD BE TAKEN TO PREVENT ANY CONTAMINATION ENTERING EXISTING SURFACE WATER DRAINAGE OR NATURAL ADJACENT WATERCOURSES.	
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT HIS OPERATIONS DO NOT IN ANY WAY IMPAIR THE SAFETY OR CONDITION OF EXISTING STRUCTURES/INFRASTRUCTURE. PARTICULAR CARE IS TO BE TAKEN WHEN EXCAVATING IN THE VICINITY OF FOUNDATIONS TO PREVENT SURCHARGING OR UNDERMINING.	
3. ALL WORKS TO PROCEED IN ACCORDANCE WITH HSG 47 (UNDERGROUND CABLES) AND 'GS 6' (OVERHEAD LINES) AND SCOTTISHPOWER ELECTRICAL & MECHANICAL SAFETY RULES HANDBOOK 4TH EDITION. ALL CABLES TO BE TREATED AS LIVE UNTIL PROVEN OTHERWISE.	
4. EXCAVATIONS SHOULD BE ADEQUATELY SUPPORTED AND PROTECTED DURING CONSTRUCTION. ADEQUATE CONTROL MEASURES MAY BE REQUIRED FOR EXCAVATING BELOW GWL SUCH AS SUMP AND PUMP.	
5. THE CONTRACTORS METHOD STATEMENTS SHALL TAKE FULL ACCOUNT OF SLOPES AND EMBANKMENTS ASSOCIATED WITH EXISTING TOPOGRAPHY, PLATFORM & ROAD EARTHWORKS.	

NOTES:	
1. THIS DRAWING IS FOR PLANNING PURPOSES ONLY, AND SUBJECT TO DETAILED DESIGN AND PRODUCTION OF SPECIFICATIONS.	
2. EXISTING UTILITY POSITION AND DEPTHS NOT SHOWN ON THIS DRAWING. CONTRACTOR TO ENSURE A CULL C3 UTILITY ASSESSMENT IS CARRIED OUT PRIOR TO DETAILED DESIGN AND ANY INTRUSIVE WORKS ON SITE.	
3. DO NOT SCALE FOR CONSTRUCTION PURPOSES.	
4. EXISTING LEVELS SHOWN ARE TAKEN FROM BALFOUR BEATTY DRONE SURVEY PROVIDED TO WSP ON 29/10/2024. LEVELS OUTSIDE OF THE SCOPE OF THE DRONE SURVEY HAVE BEEN TAKEN FROM 5m LIDAR GRID PROVIDED BY BLUESKY INTERNATIONAL LIMITED.	
5. FULL LENGTH OF THE NON PUBLIC ROAD HAS BEEN WIDENED TO A MINIMUM OF 6.5m WIDTH, WHERE IT WIDER THAN 6.5m THIS HAS BEEN TAKEN FROM THE VEHICLE SWEEP PATH DRAWINGS COMPLETED BY WSP. THESE CAN BE FOUND IN DRAWING PACK CMBS4-LT520-BB-ROAD-INT-D-C-0001 - 0017.	
LEGEND	
	EXISTING ACCESS TRACK
	EDGE OF EXISTING ACCESS TRACK
	PROPOSED WIDENING
	EARTHWORKS
	PROPOSED DITCH / SWALE
	SWALE DIRECTION ARROW
	PROPOSED CULVERT
	ASSUMED CULVERT LOCATION
	EXISTING CULVERT
	REDLINE BOUNDARY
	EXISTING DITCH

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

- CARE SHOULD BE TAKEN TO PREVENT ANY CONTAMINATION ENTERING EXISTING SURFACE WATER DRAINAGE OR NATURAL ADJACENT WATERCOURSES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT HIS OPERATIONS DO NOT IN ANY WAY IMPAIR THE SAFETY OR CONDITION OF EXISTING STRUCTURES/INFRASTRUCTURE. PARTICULAR CARE IS TO BE TAKEN WHEN EXCAVATING IN THE VICINITY OF FOUNDATIONS TO PREVENT SURCHARGING OR UNDERMINING.
- ALL WORKS TO PROCEED IN ACCORDANCE WITH HSG 47 (UNDERGROUND CABLES) AND 'GS 6' (OVERHEAD LINES) AND SCOTTISHPOWER ELECTRICAL & MECHANICAL SAFETY RULES HANDBOOK 4TH EDITION. ALL CABLES TO BE TREATED AS LIVE UNTIL PROVEN OTHERWISE.
- EXCAVATIONS SHOULD BE ADEQUATELY SUPPORTED AND PROTECTED DURING CONSTRUCTION. ADEQUATE CONTROL MEASURES MAY BE REQUIRED FOR EXCAVATING BELOW GWL SUCH AS SUMP AND PUMP.
- THE CONTRACTORS METHOD STATEMENTS SHALL TAKE FULL ACCOUNT OF SLOPES AND EMBANKMENTS ASSOCIATED WITH EXISTING TOPOGRAPHY, PLATFORM & ROAD EARTHWORKS.

SITE LOCATION PLAN
SCALE @ 1:30000

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?
Construction operatives
Dismantling crew
Future maintenance crew

CONTROL MEASURES
Existing work instruction
Method detailed on drawing
Method detailed on separate document

TEMPORARY WORKS
No temporary works required
Temporary works required and documented separately
Drawing contains temporary works:

DC0	Complete temporary works design check certificate ENG-SF-0101C
DC1	
DC2	
DC3	
DC4	Abnormal Highly innovative

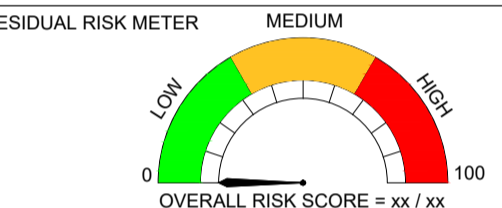
Level 1 Control
OK to proceed, no significant design hazards and risks, standard control measures apply.

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.



0 1:500 25 metres

DRAWN	BG	REMARKS:			
CHKD	KT	REISSUED FOR PLANNING			
DESIGN	RV	STATUS	S5	DATE	06/05/2025
APPD	MD	FOR ACCEPTANCE	REV	P08	
DRAWN	BG	REMARKS:			
CHKD	ST	DRAWING UPDATED TO SUIT NEW WIDENING WORKS AND DRAINAGE ARRANGEMENT			
DESIGN	RV	STATUS	S5	DATE	21/03/2025
APPD	AB/ MD	FOR ACCEPTANCE	REV	P07	

DRAWN	BG	REMARKS:			
CHKD	AS	DRAWING UPDATED TO SUIT NEW WIDENING WORKS AND DRAINAGE ARRANGEMENT			
DESIGN	AS	STATUS	S5	DATE	
PPD	NM	FOR ACCEPTANCE		REV	
DRAWN	BG	REMARKS:			
CHKD	AS	DRAWING UPDATED TO SUIT NEW WIDENING WORKS AND DRAINAGE ARRANGEMENT			
DESIGN	AS	STATUS	S5	DATE	
PPD	NM	FOR ACCEPTANCE		REV	
DRAWN	BG	REMARKS:			
CHKD	MD	2C RESUBMISSION			
DESIGN	RV	STATUS	S5	DATE	17/09/2024
PPD	NM	FOR ACCEPTANCE		REV	
DRAWN	DK	REMARKS:			
CHKD	MD	2C FINAL ECE			
DESIGN	RV	STATUS	S5	DATE	12/07/2024
PPD	NM	FOR ACCEPTANCE		REV	
DRAWN	BP	REMARKS:			
CHKD	MD	2C ISSUE			
DESIGN	RV	STATUS	S5	DATE	17/05/2024
PPD	NM	FOR ACCEPTANCE		REV	
DRAWN	BP	REMARKS:			
CHKD	MD	2B ISSUE			
DESIGN	RV	STATUS	S5	DATE	22/03/2024
PPD	NM	FOR ACCEPTANCE		REV	

Scottish & Southern
Electricity Networks

Balfour Beatty

PROJECT NAME:
ASTI - ECE

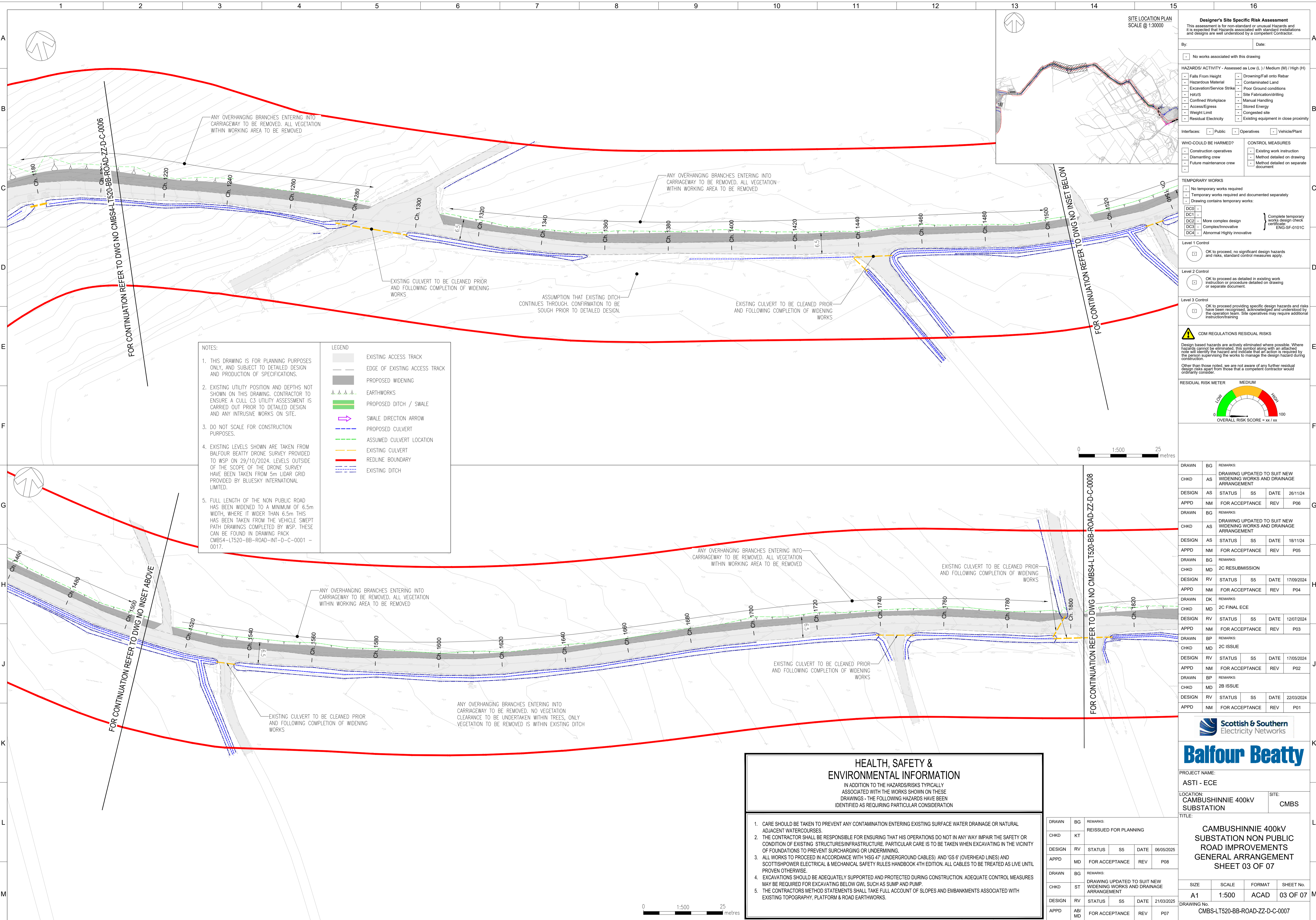
LOCATION:
CAMBUSHINNIE 400kV
SUBSTATION

SITE:
CMBS

TITLE:
CAMBUSHINNIE 400kV
SUBSTATION NON PUBLIC
ROAD IMPROVEMENTS
GENERAL ARRANGEMENT
SHEET 02 OF 07

SIZE SCALE FORMAT SHEET No.
A1 1:500 ACAD 02 OF 07

DRAWING No.
CMBS-LT520-BB-ROAD-ZZ-D-C-0006



NOTES:

1. THIS DRAWING IS FOR PLANNING PURPOSES ONLY, AND SUBJECT TO DETAILED DESIGN AND PRODUCTION OF SPECIFICATIONS.

2. EXISTING UTILITY POSITION AND DEPTHS NOT SHOWN ON THIS DRAWING. CONTRACTOR TO ENSURE A CULL C3 UTILITY ASSESSMENT IS CARRIED OUT PRIOR TO DETAILED DESIGN AND ANY INTRUSIVE WORKS ON SITE.

3. DO NOT SCALE FOR CONSTRUCTION PURPOSES.

4. EXISTING LEVELS SHOWN ARE TAKEN FROM BALFOUR BEATTY DRONE SURVEY PROVIDED TO WSP ON 29/10/2024. LEVELS OUTSIDE OF THE SCOPE OF THE DRONE SURVEY HAVE BEEN TAKEN FROM 5m LIDAR GRID PROVIDED BY BLUESKY INTERNATIONAL LIMITED.

5. FULL LENGTH OF THE NON PUBLIC ROAD HAS BEEN WIDENED TO A MINIMUM OF 6.5m WIDTH, WHERE IT WIDER THAN 6.5m THIS HAS BEEN TAKEN FROM THE VEHICLE SWEEP PATH DRAWINGS COMPLETED BY WSP. THESE CAN BE FOUND IN DRAWING PACK CMBS4-LT520-BB-ROAD-INT-D-C-0001 - 0017.

LEGEND

EXISTING ACCESS TRACK

EDGE OF EXISTING ACCESS TRACK

PROPOSED WIDENING

EARTHWORKS

PROPOSED DITCH / SWALE

SWALE DIRECTION ARROW

PROPOSED CULVERT

ASSUMED CULVERT LOCATION

EXISTING CULVERT

REDLINE BOUNDARY

EXISTING DITCH

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. CARE SHOULD BE TAKEN TO PREVENT ANY CONTAMINATION ENTERING EXISTING SURFACE WATER DRAINAGE OR NATURAL ADJACENT WATERCOURSES.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT HIS OPERATIONS DO NOT IN ANY WAY IMPAIR THE SAFETY OR CONDITION OF EXISTING STRUCTURES/INFRASTRUCTURE. PARTICULAR CARE IS TO BE TAKEN WHEN EXCAVATING IN THE VICINITY OF FOUNDATIONS TO PREVENT SURCHARGING OR UNDERMINING.

3. ALL WORKS TO PROCEED IN ACCORDANCE WITH 'HSG 47 (UNDERGROUND CABLES) AND 'GS 6' (OVERHEAD LINES) AND SCOTTISH-POWER ELECTRICAL & MECHANICAL SAFETY RULES HANDBOOK 4TH EDITION. ALL CABLES TO BE TREATED AS LIVE UNTIL PROVEN OTHERWISE.

4. EXCAVATIONS SHOULD BE ADEQUATELY SUPPORTED AND PROTECTED DURING CONSTRUCTION. ADEQUATE CONTROL MEASURES MAY BE REQUIRED FOR EXCAVATING BELOW GWL SUCH AS SUMP AND PUMP.

5. THE CONTRACTORS METHOD STATEMENTS SHALL TAKE FULL ACCOUNT OF SLOPES AND EMBANKMENTS ASSOCIATED WITH EXISTING TOPOGRAPHY, PLATFORM & ROAD EARTHWORKS.

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

Hazardous Material

Excavation/Service Strike

HAVS

Confined Workplace

Access/Egress

Weight Limit

Residual Electricity

Drowning/Fall onto Rebar

Contaminated Land

Poor Ground conditions

Site Fabrication/Drilling

Manual Handling

Stored Energy

Congested site

Existing equipment in close proximity

Interfaces:

Public

Operatives

Vehicle/Plant

WHO COULD BE HARMED?

Construction operatives

Dismantling crew

Future maintenance crew

Existing work instruction

Method detailed on drawing

Method detailed on separate document

TEMPORARY WORKS

No temporary works required

Temporary works required and documented separately

Drawing contains temporary works:

DC00 -

DC1 -

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

LOW

MEDIUM

HIGH

OVERALL RISK SCORE = xx / xx

DRAWN	BG	REMARKS:
CHKD	AS	DRAWING UPDATED TO SUIT NEW WIDENING WORKS AND DRAINAGE ARRANGEMENT
DESIGN	AS	STATUS S5 DATE 26/11/24
APPD	NM	FOR ACCEPTANCE REV P06
DRAWN	BG	REMARKS:
CHKD	AS	DRAWING UPDATED TO SUIT NEW WIDENING WORKS AND DRAINAGE ARRANGEMENT
DESIGN	AS	STATUS S5 DATE 18/11/24
APPD	NM	FOR ACCEPTANCE REV P05
DRAWN	BG	REMARKS:
CHKD	MD	2C RESUBMISSION
DESIGN	RV	STATUS S5 DATE 17/09/2024
APPD	NM	FOR ACCEPTANCE REV P04
DRAWN	DK	REMARKS:
CHKD	MD	2C FINAL ECE
DESIGN	RV	STATUS S5 DATE 12/07/2024
APPD	NM	FOR ACCEPTANCE REV P03
DRAWN	BP	REMARKS:
CHKD	MD	2C ISSUE
DESIGN	RV	STATUS S5 DATE 17/05/2024
APPD	NM	FOR ACCEPTANCE REV P02
DRAWN	BP	REMARKS:
CHKD	MD	2B ISSUE
DESIGN	RV	STATUS S5 DATE 22/03/2024
APPD	NM	FOR ACCEPTANCE REV P01

Scottish & Southern Electricity Networks

Balfour Beatty

PROJECT NAME: ASTI - ECE

LOCATION: CAMBUSHINNIE 400kV SUBSTATION

SITE: CMBS

TITLE: CAMBUSHINNIE 400kV SUBSTATION NON PUBLIC ROAD IMPROVEMENTS GENERAL ARRANGEMENT SHEET 03 OF 07

SIZE A1

SCALE 1:500

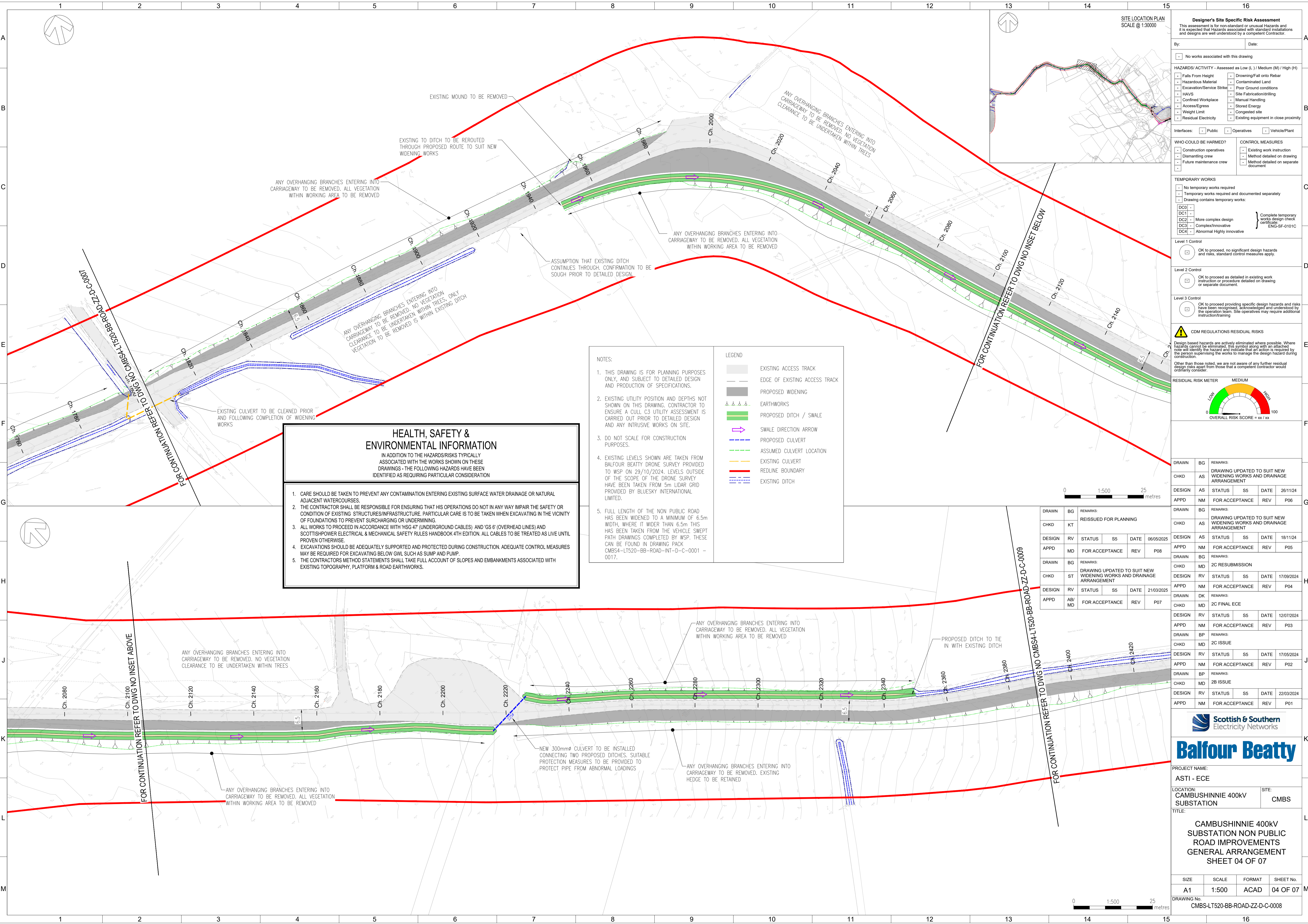
FORMAT ACAD

SHEET No. 03 OF 07

DRAWING No. CMBS-LT520-BB-ROAD-ZZ-D-C-0007

DRAWN	BG	REMARKS:
CHKD	KT	REISSUED FOR PLANNING
DESIGN	RV	STATUS S5 DATE 08/05/2025
APPD	MD	FOR ACCEPTANCE REV P08
DRAWN	BG	REMARKS:
CHKD	ST	DRAWING UPDATED TO SUIT NEW WIDENING WORKS AND DRAINAGE ARRANGEMENT
DESIGN	RV	STATUS S5 DATE 21/03/2025
APPD	AB/ MD	FOR ACCEPTANCE REV P07

© Balfour Beatty plc 2022. THE COPYRIGHT IN THIS DRAWING & THE DESIGN RIGHT IN THE ARTICLE(S) DEPICTED BELONG TO BALFOUR BEATTY PLC OR ITS SUBSIDIARY. THE DRAWING MAY NOT BE COPIED BY ANY MEANS (INCLUDING TRACING) OR STORED AS A MICROFILM, AS A CAD FILE OR CD-ROM OR IN ANY OTHER ELECTRONIC FORM. NOR MAY ARTICLES BE MADE FROM THE DRAWING, EITHER DIRECTLY OR INDIRECTLY, WITHOUT THE PRIOR WRITTEN CONSENT OF BALFOUR BEATTY PLC OR ITS AUTHORISED REPRESENTATIVES.



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

- CARE SHOULD BE TAKEN TO PREVENT ANY CONTAMINATION ENTERING EXISTING SURFACE WATER DRAINAGE OR NATURAL ADJACENT WATERCOURSES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT HIS OPERATIONS DO NOT IN ANY WAY IMPAIR THE SAFETY OR CONDITION OF EXISTING STRUCTURES/INFRASTRUCTURE. PARTICULAR CARE IS TO BE TAKEN WHEN EXCAVATING IN THE VICINITY OF FOUNDATIONS TO PREVENT SURCHARGING OR UNDERMINING.
- ALL WORKS TO PROCEED IN ACCORDANCE WITH 'HSG 47' (UNDERGROUND CABLES) AND 'GS 6' (OVERHEAD LINES) AND SCOTTISHPOWER ELECTRICAL & MECHANICAL SAFETY RULES HANDBOOK 4TH EDITION. ALL CABLES TO BE TREATED AS LIVE UNTIL PROVEN OTHERWISE.
- EXCAVATIONS SHOULD BE ADEQUATELY SUPPORTED AND PROTECTED DURING CONSTRUCTION. ADEQUATE CONTROL MEASURES MAY BE REQUIRED FOR EXCAVATING BELOW GWL SUCH AS SUMP AND PUMP.
- THE CONTRACTORS METHOD STATEMENTS SHALL TAKE FULL ACCOUNT OF SLOPES AND EMBANKMENTS ASSOCIATED WITH EXISTING TOPOGRAPHY, PLATFORM & ROAD EARTHWORKS.

NOTES:

- THIS DRAWING IS FOR PLANNING PURPOSES ONLY, AND SUBJECT TO DETAILED DESIGN AND PRODUCTION OF SPECIFICATIONS.
- EXISTING UTILITY POSITION AND DEPTHS NOT SHOWN ON THIS DRAWING. CONTRACTOR TO ENSURE A CULL C3 UTILITY ASSESSMENT IS CARRIED OUT PRIOR TO DETAILED DESIGN AND ANY INTRUSIVE WORKS ON SITE.
- DO NOT SCALE FOR CONSTRUCTION PURPOSES.
- EXISTING LEVELS SHOWN ARE TAKEN FROM BALFOUR BEATTY DRONE SURVEY PROVIDED TO WSP ON 29/10/2024. LEVELS OUTSIDE OF THE SCOPE OF THE DRONE SURVEY HAVE BEEN TAKEN FROM 5m LIDAR GRID PROVIDED BY BLUESKY INTERNATIONAL LIMITED.
- FULL LENGTH OF THE NON PUBLIC ROAD HAS BEEN WIDENED TO A MINIMUM OF 6.5m WIDTH, WHERE IT WIDER THAN 6.5m THIS HAS BEEN TAKEN FROM THE VEHICLE SWEEP PATH DRAWINGS COMPLETED BY WSP. THESE CAN BE FOUND IN DRAWING PACK CMBS4-LT520-BB-ROAD-INT-D-C-0001 - 0017.

LEGEND

- EXISTING ACCESS TRACK
- EDGE OF EXISTING ACCESS TRACK
- PROPOSED WIDENING
- EARTHWORKS
- PROPOSED DITCH / SWALE
- SWALE DIRECTION ARROW
- PROPOSED CULVERT
- ASSUMED CULVERT LOCATION
- EXISTING CULVERT
- REDLINE BOUNDARY
- EXISTING DITCH

DRAWN	BG	REMARKS:			
CHKD	KT	REISSUED FOR PLANNING			
DESIGN	RV	STATUS	S5	DATE	06/05/2025
APPD	MD	FOR ACCEPTANCE		REV	P08
DRAWN	BG	REMARKS:			
CHKD	ST	DRAWING UPDATED TO SUIT NEW WIDENING WORKS AND DRAINAGE ARRANGEMENT			
DESIGN	RV	STATUS	S5	DATE	21/03/2025
APPD	AB/ MD	FOR ACCEPTANCE		REV	P07

DRAWN	BG	REMARKS:			
CHKD	AS	DRAWING UPDATED TO SUIT NEW WIDENING WORKS AND DRAINAGE ARRANGEMENT			
DESIGN	AS	STATUS	S5	DATE	18/11/24
APPD	NM	FOR ACCEPTANCE		REV	P05
DRAWN	BG	REMARKS:			
CHKD	MD	2C RESUBMISSION			
DESIGN	RV	STATUS	S5	DATE	17/09/2024
APPD	NM	FOR ACCEPTANCE		REV	P04
DRAWN	DK	REMARKS:			
CHKD	MD	2C FINAL ECE			
DESIGN	RV	STATUS	S5	DATE	12/07/2024
APPD	NM	FOR ACCEPTANCE		REV	P03
DRAWN	BP	REMARKS:			
CHKD	MD	2C ISSUE			
DESIGN	RV	STATUS	S5	DATE	17/05/2024
APPD	NM	FOR ACCEPTANCE		REV	P02
DRAWN	BP	REMARKS:			
CHKD	MD	2B ISSUE			
DESIGN	RV	STATUS	S5	DATE	22/03/2024
APPD	NM	FOR ACCEPTANCE		REV	P01



Balfour Beatty

PROJECT NAME:
ASTI - ECE

LOCATION:
CAMBUSHINNIE 400kV SUBSTATION

SITE:
CMBS

TITLE:
CAMBUSHINNIE 400kV SUBSTATION NON PUBLIC ROAD IMPROVEMENTS GENERAL ARRANGEMENT SHEET 04 OF 07

SIZE	SCALE	FORMAT	SHEET No.
A1	1:500	ACAD	04 OF 07

DRAWING No.
CMBS-LT520-BB-ROAD-ZZ-D-C-0008

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

Hazardous Material

Excavation/Service Strike

HAVS

Confined Workplace

Access/Egress

Weight Limit

Residual Electricity

Drowning/Fall onto Rebar

Contaminated Land

Poor Ground conditions

Site Fabrication/Drilling

Manual Handling

Stored Energy

Congested site

Existing equipment in close proximity

Interfaces: ☐ Public ☐ Operatives ☐ Vehicle/Plant

WHO COULD BE HARMED?

Construction operatives

Dismantling crew

Future maintenance crew

CONTROL MEASURES

Existing work instruction

Method detailed on drawing

Method detailed on separate document

TEMPORARY WORKS

No temporary works required

Temporary works required and documented separately

Drawing contains temporary works:

DC01

DC2

DC3

DC4

More complex design

Complex/Innovative

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

LOW

MEDIUM

HIGH

OVERALL RISK SCORE = xx / xx

© Balfour Beatty plc 2022. THE COPYRIGHT IN THIS DRAWING & THE DESIGN RIGHT IN THE ARTICLE(S) DEPICTED BELONG TO BALFOUR BEATTY PLC OR ITS SUBSIDIARY. THE DRAWING MAY NOT BE COPIED BY ANY MEANS (INCLUDING TRACING) OR STORED AS A MICROFILM, AS A CAD FILE OR CD-ROM OR IN ANY OTHER ELECTRONIC FORM. NOR MAY ARTICLES BE MADE FROM THE DRAWING, EITHER DIRECTLY OR INDIRECTLY, WITHOUT THE PRIOR WRITTEN CONSENT OF BALFOUR BEATTY PLC OR ITS AUTHORISED REPRESENTATIVES.