

EXISTING ACCESS TRACK TO BE  
WIDENED TO ACCOMMODATE  
DESIGN VEHICLE SWEEP PATH

SWEPT PATH  
TOWARDS SUB-STATION

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WIDENED TO ACCOMMODATE  
DESIGN VEHICLE SWEEP PATH

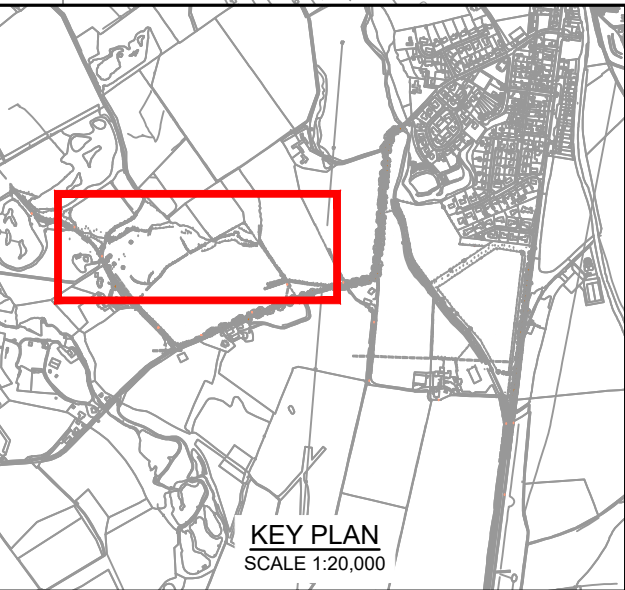
- NOTES:
- ONLY SCALE FOR PLANNING PURPOSES.
  - ALL DIMENSIONS ARE SHOWN IN METRES UNLESS OTHERWISE STATED.
  - THE DRAWING IS TO BE PRINTED IN COLOUR.
  - THE EARTHWORKS ARE AT 1 IN 3 SLOPE.
  - THIS DRAWING SHALL NOT BE USED FOR CONSTRUCTION PURPOSE.
  - THE DESIGN VEHICLE IS BASED ON ALLELYS 261T<sub>e</sub> TRANSFORMER ON A 24 AXLE F5.5 TRAILER TRANSPORT ARRANGEMENT AND IS APPROXIMATE ONLY.

- KEY:
- HAUL TRACK CENTRELINE
  - PROPOSED DESIGN
  - VEHICLE SWEEP PATH

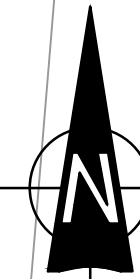
DESIGN VEHICLE PROFILE:

24 Axle Trailer Transport Arrangement

Overall Length	65.196m
Overall Width	4.984m
Overall Body Height	3.335m
Min Body Ground Clearance	0.125m
Max Track Width	3.000m
Lock to lock time	6.00s
Wall to Wall Turning Radius	9.800m



SWEPT PATH  
TOWARDS A822



**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)

<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:** ☐ 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 -	} Complete temporary works design check certificate ENG-SF-0101C
DC1 -	
DC2 - More complex design	
DC3 - Complex/Innovative	
DC4 - Abnormal Highly innovative	

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

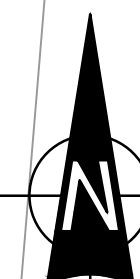
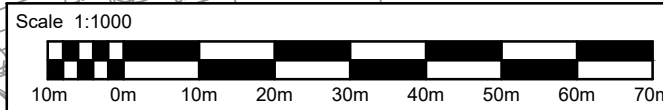
**Level 2 Control**  
☐ OK to proceed as detailed in existing work instruction or procedure detailed on drawing or separate document.

**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.

**RESIDUAL RISK METER**

OVERALL RISK SCORE = xx / xx



DRAWN	RS	REMARKS:
CHKD	SRA	FIFTH ISSUE - SCALE BAR ADDED
DESIGN	RS	STATUS S5 DATE 03/06/2025
APPD	FY	FOR ACCEPTANCE REV P05
DRAWN	RS	REMARKS:
CHKD	SRA	FOURTH ISSUE
DESIGN	RS	STATUS S5 DATE 13/05/2025
APPD	FY	FOR ACCEPTANCE REV P04
DRAWN	RS	REMARKS:
CHKD	SRA	THIRD ISSUE
DESIGN	RS	STATUS S5 DATE 06/02/2025
APPD	FY	FOR ACCEPTANCE REV P03
DRAWN	GU	REMARKS:
CHKD	SRA	SECOND ISSUE
DESIGN	GU	STATUS S5 DATE 15/01/2025
APPD	FY	FOR ACCEPTANCE REV P02
DRAWN	GU	REMARKS:
CHKD	AC	FIRST ISSUE
DESIGN	SRA	STATUS S5 DATE 12/12/2024
APPD		FOR ACCEPTANCE REV P01



**Balfour Beatty**

PROJECT NAME:  
ASTI-ECE

LOCATION:  
CAMBUSHINNIE 400KV S/S

SITE:  
CMBS

TITLE:

BRACO HAUL TRACK  
VEHICLE SWEEP PATH ANALYSIS  
SHEET 2

SIZE	SCALE	FORMAT	SHEET No.
A1	1:1000	ACAD	02 OF 02

DRAWING No.  
CMBS-LT520-BB-TRAC-ZZ-D-H-0008

