

- ### Legend
- Substation**
- Proposed Development Site
- Permanent Layout**
- Substation Platform
  - Substation Platform Earthworks
  - Peat Cell Storage Area
  - Access Track
  - Access Track Earthworks
  - Permanent SUDs Basin
  - Borrow Pit
  - External Peat Cell
  - Peat Cell
- Temporary Layout**
- Platform Peat Cell Ramp Earthworks
  - Temporary Drainage
  - Temporary Settlement Lagoon
  - Temporary Platform Compound 1
  - Temporary Platform Compound 2
- OHL**
- Proposed Development Site
  - Permanent OHL Section Spans
  - Temporary OHL Section Spans
  - Permanent OHL Structure
  - Temporary OHL Structure
  - Existing OHL Structure
  - Tower Working Area (60 x 60 m)
  - Tower Working Area (80 x 80 m)
  - New Permanent Stone Access
  - Temporary Access Track Spurs
  - Site Compound



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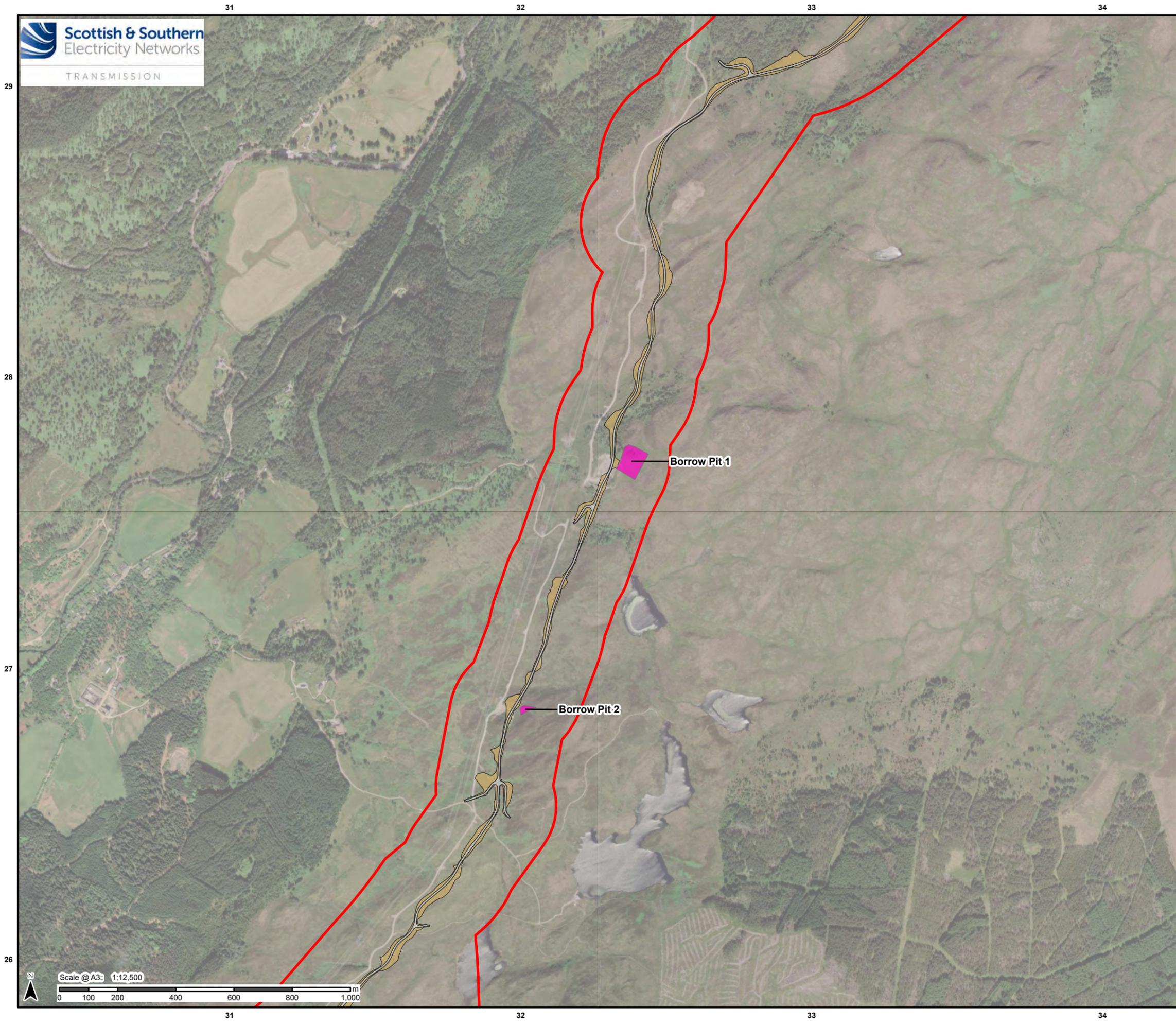
Project No: LT000521  
Project: Bingly 400kV Substation Upgrade

Title:  
Scheme Layout Plan  
Page 1 of 3

Drawn by: JBARR Date: 31/10/2025

Drawing: Figure 2a





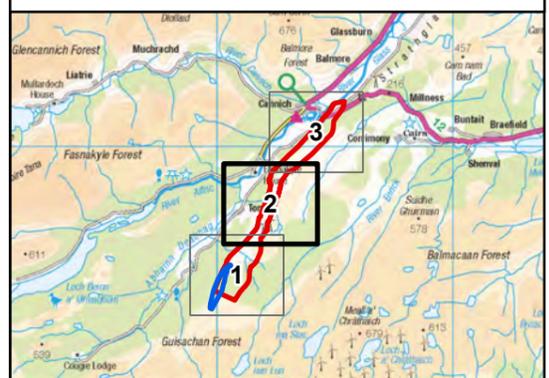
**Legend**

**Substation**

- Proposed Development Site

**Permanent Layout**

- Access Track
- Access Track Earthworks
- Borrow Pit



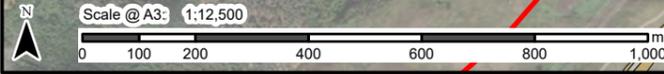
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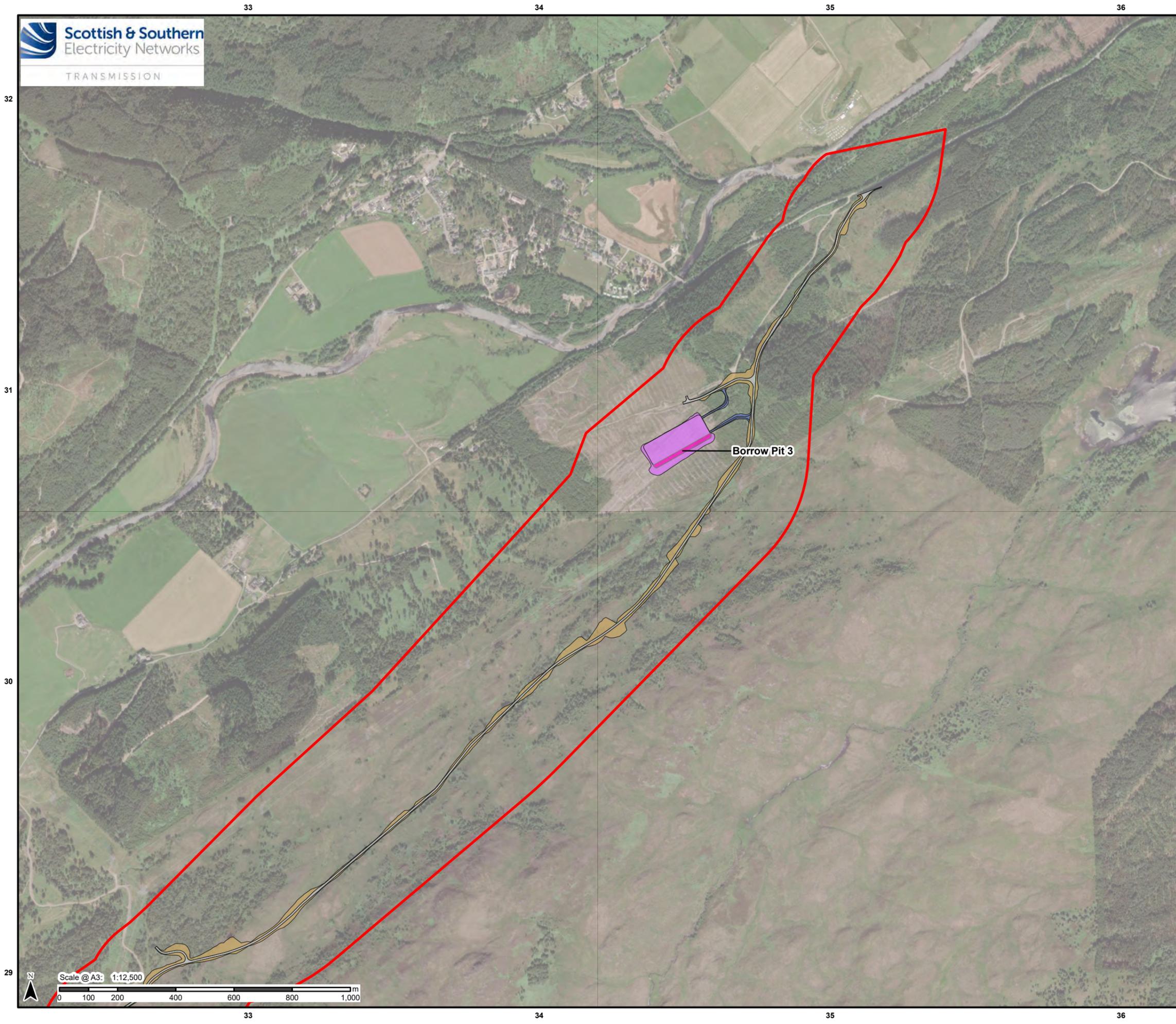
Project No: LT000521  
 Project: Bingly 400kV Substation Upgrade

Title:  
 Scheme Layout Plan  
 Page 2 of 3

Drawn by: JBARR Date: 31/10/2025

Drawing: Figure 2b





### Legend

**Substation**

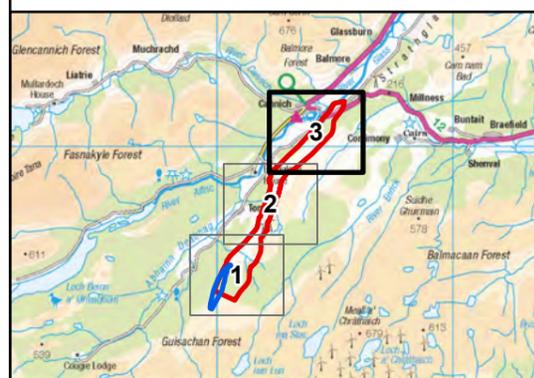
- Proposed Development Site

**Permanent Layout**

- Access Track
- Access Track Earthworks
- Borrow Pit

**Temporary Layout**

- Northern Temporary Compound
- Northern Temporary Compound Access Track



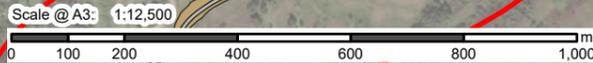
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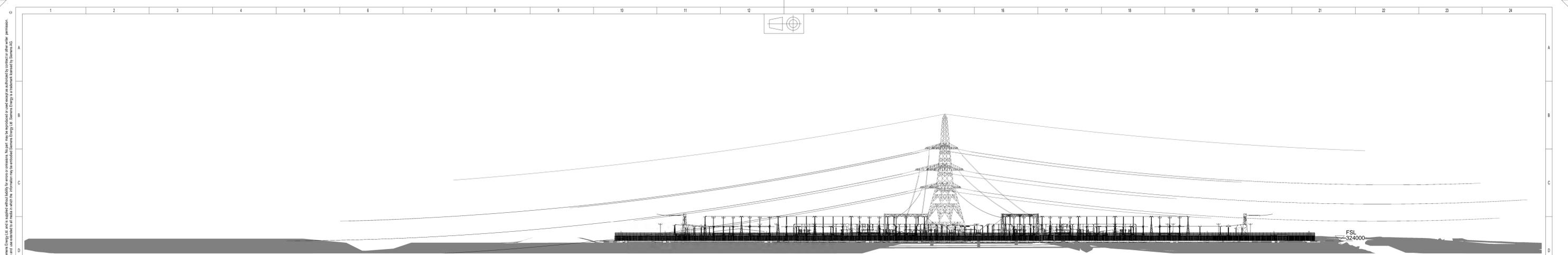
Project No: LT000521  
 Project: Bingally 400kV Substation Upgrade

Title:  
 Scheme Layout Plan  
 Page 3 of 3

Drawn by: JBARR Date: 31/10/2025

Drawing: Figure 2c

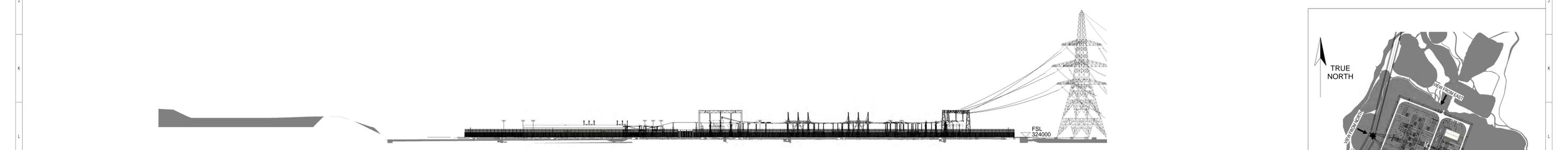




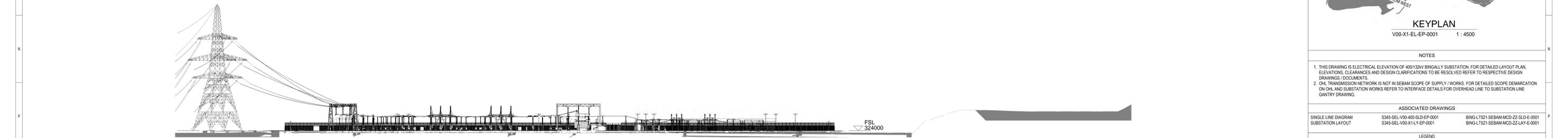
VIEW FROM NORTH  
V00-X1-EL-EP-0001 1:650



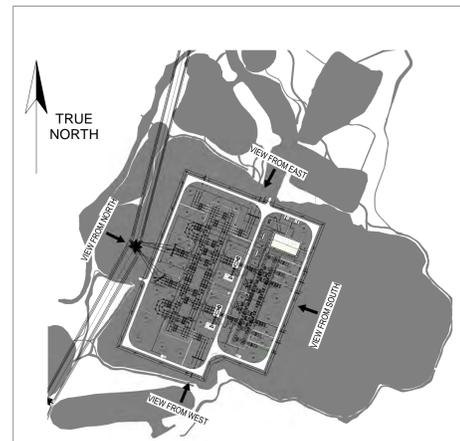
VIEW FROM SOUTH  
V00-X1-EL-EP-0001 1:650



VIEW FROM EAST  
V00-X1-EL-EP-0001 1:650



VIEW FROM WEST  
V00-X1-EL-EP-0001 1:650

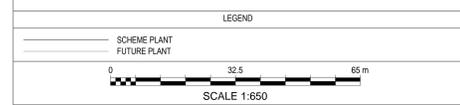


KEYPLAN  
V00-X1-EL-EP-0001 1:4500

- NOTES
- THIS DRAWING IS ELECTRICAL ELEVATION OF 400/132KV BINGALLY SUBSTATION. FOR DETAILED LAYOUT PLAN, ELEVATIONS, CLEARANCES AND DESIGN CLARIFICATIONS TO BE RESOLVED REFER TO RESPECTIVE DESIGN DRAWINGS / DOCUMENTS.
  - OHL TRANSMISSION NETWORK IS NOT IN SEBAM SCOPE OF SUPPLY / WORKS. FOR DETAILED SCOPE DEMARCATION ON OHL AND SUBSTATION WORKS REFER TO INTERFACE DETAILS FOR OVERHEAD LINE TO SUBSTATION LINE GANTRY DRAWING.

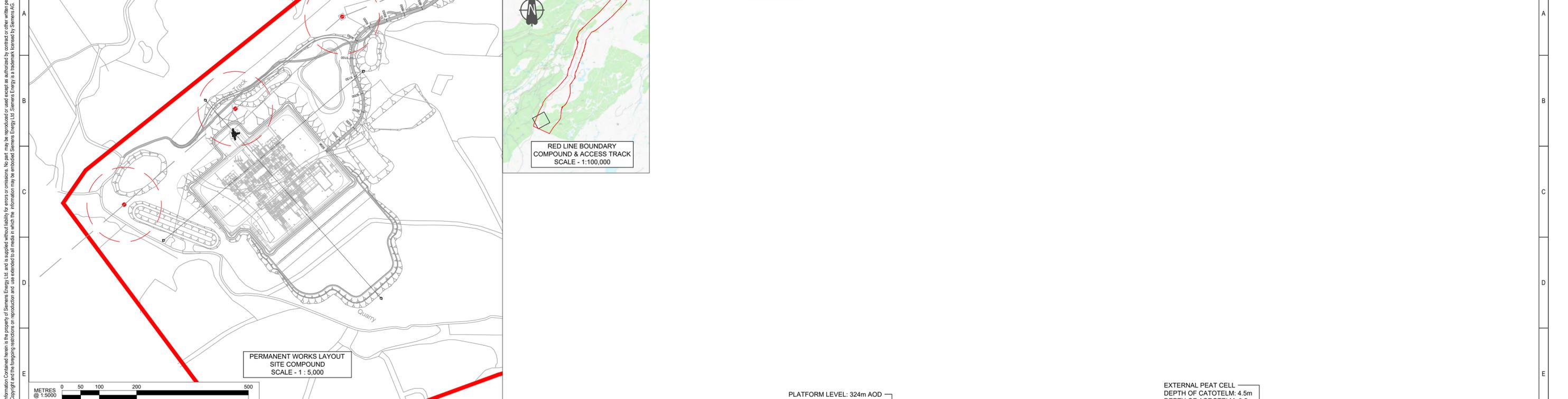
ASSOCIATED DRAWINGS

SINGLE LINE DIAGRAM	S345-SEL-V00-400-SLD-EP-0001	BING-LTS21-SEBAM-MCD-ZZ-SLD-E-0001
SUBSTATION LAYOUT	S345-SEL-V00-X1-LY-EP-0001	BING-LTS21-SEBAM-MCD-ZZ-LAY-E-0001



Project Reference <b>LT000521</b>	Project Title <b>Bingally 400/132KV Substation</b>
Contractor <b>SIEMENS energy</b>	Drawing Title <b>SUBSTATION ELEVATIONS</b>
Client <b>Southern Cross Networks</b>	Site <b>BINGALLY 400/132KV SUBSTATION</b>
Contractor Drawing Number <b>S345-SEL-V00-X1-EL-EP-0001</b>	Client Drawing Number <b>BING-LTS21-SEBAM-MCD-ZZ-LAY-E-0002</b>
Substation Code <b>S2</b>	Purpose of Issue <b>ISSUED FOR INFORMATION</b>
Scale <b>1:650</b>	Sheet of <b>001</b>
Size <b>A0</b>	Revision <b>P06</b>

REVISION:	P01	P02	P03	P04	P05	P06
DRAWN:	D.Jago 14.12.23	J.Flett 17.01.24	D.Sali 29.04.24	S.Deepu 20.11.24	S.Deepu 17.03.25	S.Deepu 27.10.25
CHECKED:	A.Reid 14.12.23	S.Redshaw 17.01.24	M.Zakir 29.04.24	M.Zakir 20.11.24	M.Zakir 17.03.25	M.Zakir 27.10.25
APPROVED:	S.Redshaw 14.12.23	A.Reid 17.01.24	A.Reid 29.04.24	A.Reid 20.11.24	A.Reid 17.03.25	A.Reid 27.10.25
PROJECT REF:	LT000521	LT000521	LT000521	LT000521	LT000521	LT000521
DESCRIPTION:	1st ISSUE	2nd ISSUE	3rd ISSUE	4th ISSUE	5th ISSUE	6th ISSUE
REVISION:						
DESCRIPTION:						



**SECTION 2 - NORTH TO SOUTH**  
SCALE: H 1:1250, V 1:1250

Proposed Levels	Existing Levels	Offsets	Level Difference
304.338	304.338	-386.679	0.000
310.201	306.082	-369.412	4.119
310.287	306.642	-361.956	3.645
307.274	307.274	-351.587	0.000
308.701	308.701	-317.375	0.000
307.558	309.206	-313.253	-1.648
307.500	306.588	-309.044	-2.068
305.500	310.460	-299.424	-4.96
305.500	312.603	-261.706	-7.103
307.505	312.516	-263.795	-5.616
307.588	312.484	-250.204	-4.928
312.339	312.339	-235.899	0.000
311.752	311.752	-221.462	0.000
323.000	312.143	-187.722	10.857
323.000	329.754	0.000	-6.754
318.304	317.842	171.116	5.158
319.037	318.967	185.205	0.000
320.131	318.967	224.763	0.000
319.941	318.971	228.629	1.164
314.459	318.862	236.792	0.970
314.128	319.004	248.625	-4.393
319.046	319.004	262.504	-4.876
318.866	319.130	274.336	-0.084
319.063	319.072	282.300	-0.216
	319.063	282.200	0.000

**SECTION 1 - WEST TO EAST**  
SCALE: H 1:1250, V 1:1250

Proposed Levels	Existing Levels	Offsets	Level Difference
302.488	302.488	-305.398	0.000
307.700	304.111	-288.802	3.588
307.940	304.833	-282.656	3.007
323.000	317.639	-226.188	5.361
323.000	333.084	144.251	-10.084
329.000	333.662	154.255	-4.662
334.200	334.170	170.655	0.030
334.165	334.684	180.193	-0.519
333.500	346.400	344.250	-12.900
345.438	346.646	365.546	-3.208
349.378	349.378	385.686	0.000

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REVISION:	P01	P02	P03.01	P03
DRAWN:	RG 20/06/2024	RG 17/03/2025	JM 01/10/2025	RG 22/10/2025
CHECKED:	GI 20/06/2024	SC 17/03/2025	RG 01/10/2025	RG 22/10/2025
APPROVED:	CG 20/06/2024	CG 17/03/2025	SC 01/10/2025	SC 22/10/2025

**KEY**  
 PROPOSED RED LINE BOUNDARY (Red line)  
 OVERHEAD LINES (Dashed line)  
 SSE TOWER (Circle with cross)  
 SSE TOWER BLATING EXCLUSION ZONE (Circle with dot)  
 EXISTING GROUND (Grey line)  
 PROPOSED GROUND (Red line)  
 ACCESS TRACK (Blue line)  
 SUDS BASIN (Green line)

**NOTES**  
 1. THE PROPOSALS SHOWN ON THIS DRAWING HAVE BEEN DETERMINED FROM TOPOGRAPHICAL SURVEY INFORMATION PROVIDED BY OTHERS  
 2. DESIGN PROPOSALS SHOWN ARE PRELIMINARY AND SUBJECT TO DETAILED DESIGN.

Customer: Scottish & Southern Electricity Networks

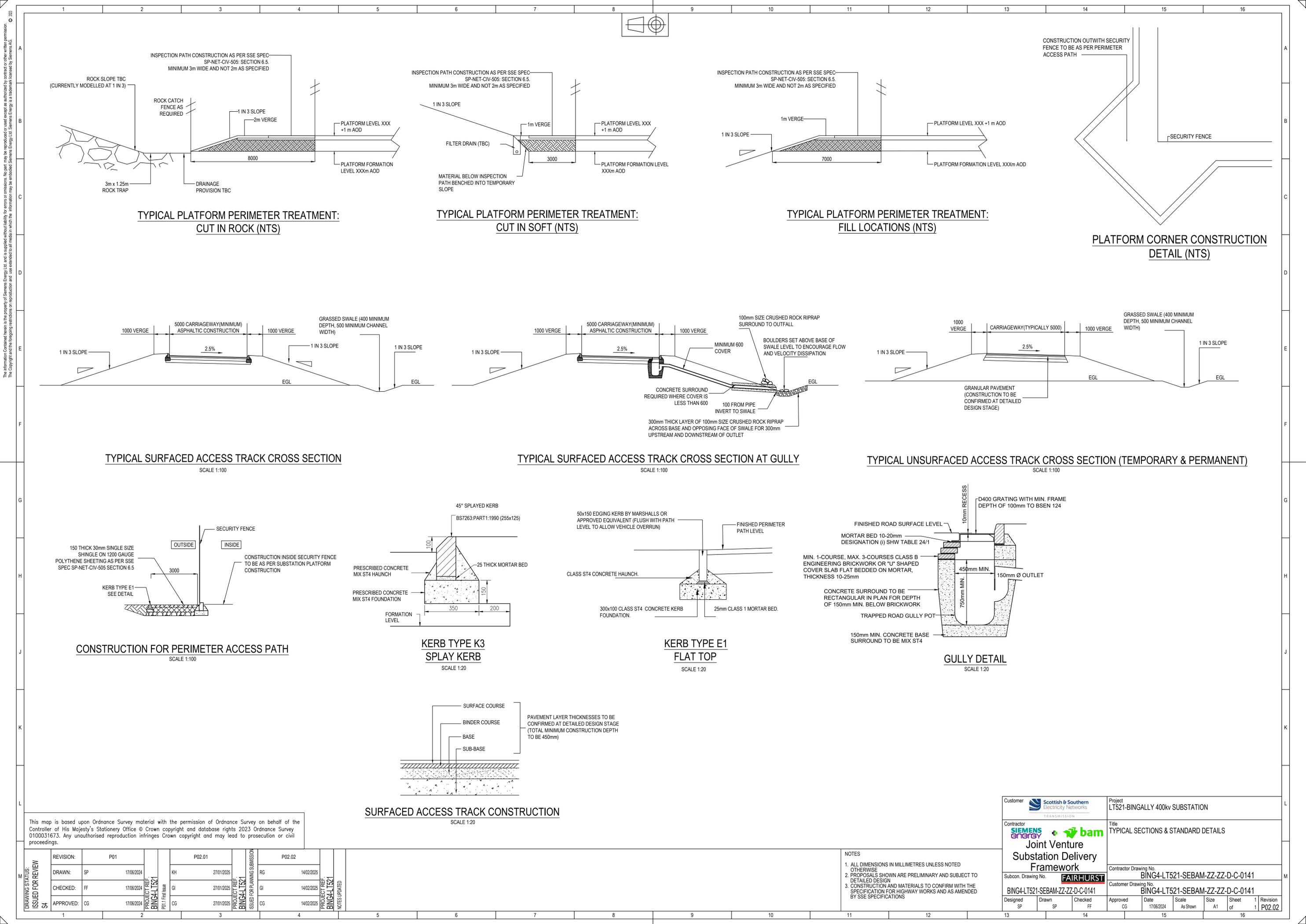
Contractor: **SIEMENS energy** + **bam**  
**Joint Venture**  
**Substation Delivery Framework**

Subcon. Drawing No. **FAIRHURST**  
 BING4-LT521-SEBAM-ZZ-ZZ-D-C-0132

Project: BINGALLY 400KV SUBSTATION  
 Title: PLATFORM SECTIONS

Contractor Drawing No. BING4-LT521-SEBAM-ZZ-ZZ-D-C-0132  
 Customer Drawing No. BING4-LT521-SEBAM-ZZ-ZZ-D-C-0132

Designed	Drawn	Checked	Approved	Date	Scale	Size	Sheet	1 of	Revision
RG	RG	GI	CG	20/06/2024	AS SHOWN	A1	1	1	P03



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DRAWING STATUS: ISSUED FOR REVIEW	REVISION:	P01		P02.01		P02.02	
	DRAWN:	SP	17/06/2024	KH	27/01/2025	RG	14/02/2025
	CHECKED:	FF	17/06/2024	GI	27/01/2025	GI	14/02/2025
	APPROVED:	CG	17/06/2024	CG	27/01/2025	CG	14/02/2025
PROJECT REF: BING4-LT521		P01: Final Issue		PROJECT REF: BING4-LT521		P02: Final Issue	
ISSUED FOR PLANNING SUBMISSION		ISSUED FOR PLANNING SUBMISSION		ISSUED FOR PLANNING SUBMISSION		ISSUED FOR PLANNING SUBMISSION	

NOTES	1. ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE
	2. PROPOSALS SHOWN ARE PRELIMINARY AND SUBJECT TO DETAILED DESIGN
	3. CONSTRUCTION AND MATERIALS TO CONFIRM WITH THE SPECIFICATION FOR HIGHWAY WORKS AND AS AMENDED BY SSE SPECIFICATIONS

Customer	Scottish & Southern Electricity Networks	Project	LT521-BINGALLY 400kv SUBSTATION
Contractor	SIEMENS energy + bam	Title	TYPICAL SECTIONS & STANDARD DETAILS
Subcon. Drawing No.	FAIRHURST	Contractor Drawing No.	BING4-LT521-SEBAM-ZZ-D-C-0141
Designed	SP	Checked	FF
Drawn	SP	Approved	CG
Date	17/06/2024	Scale	As Shown
Size	A1	Sheet	1
Revision	1	Revision	P02.02