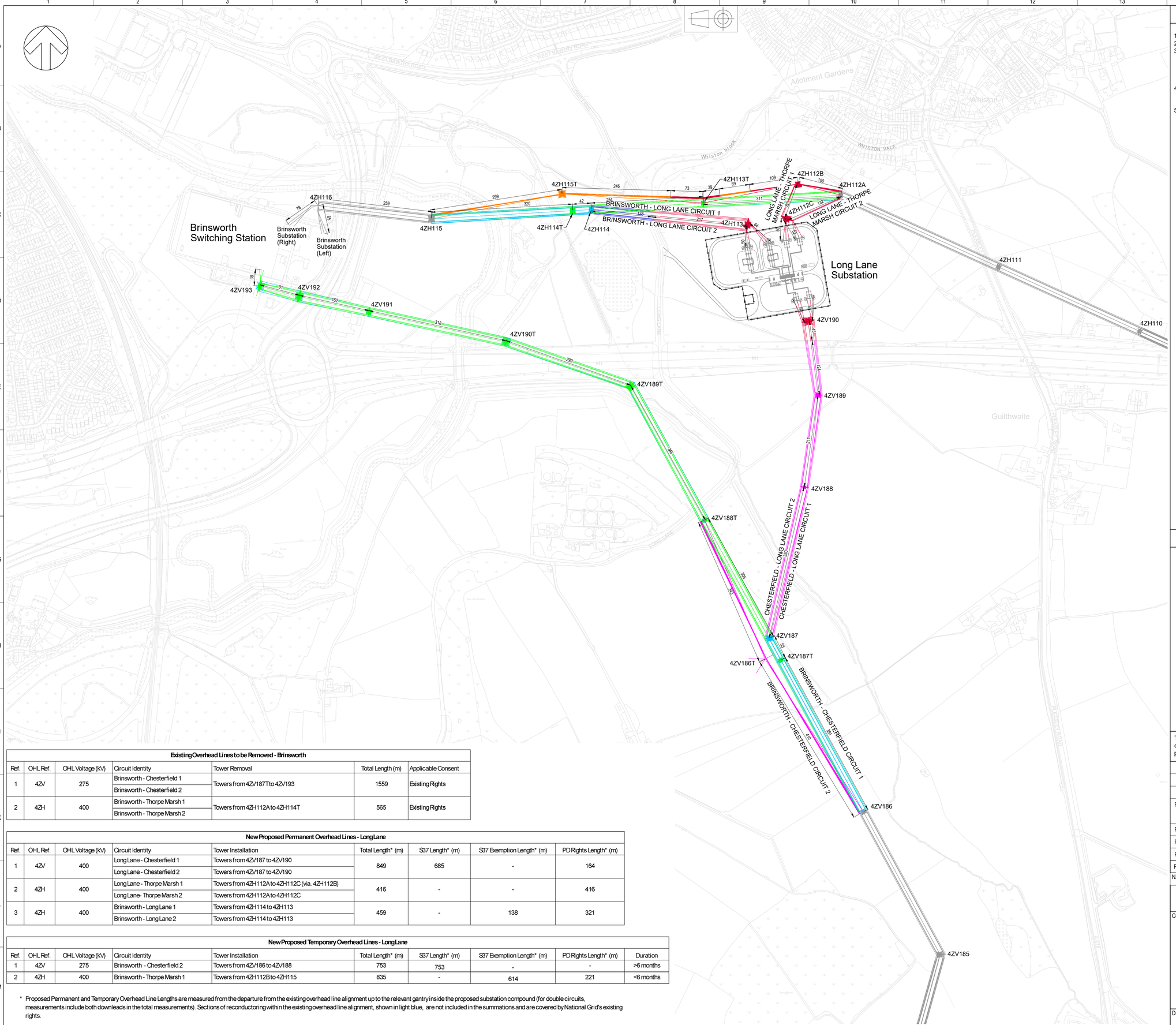

NOTES

1. THIS DRAWING IS FOR CONSENTING PURPOSES ONLY.
2. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE STATED.
3. DRAWING PRESENTS DETAILS OF EXISTING OVERHEAD LINES AND PROPOSED OVERHEAD LINE ALTERATIONS. STATED COORDINATES REPRESENT CENTRES OF ALL APPLICABLE NEW TOWER LOCATIONS. SHOWN TOWER OUTLINE GEOMETRY REPRESENT MAXIMUM DIMENSIONS (MAXIMUM HEIGHT, FOOTPRINT AND ARM SPAN.
4. THE PROPOSED FREEHOLD BOUNDARY INDICATED ON THIS DRAWING IS THE AGREED FREEHOLD BOUNDARY. NATIONAL GRID OWN THE LAND INDICATED AT THE DATE OF ISSUE OF THIS DRAWING.
5. ALL CLEARANCES FOR OHL's WILL BE IN ACCORDANCE WITH ENA TS 43.8. AND NG TS 2.04.

0 1:3000 150 metres

LEGEND

- EXISTING
- NEW EQUIPMENT
- OHL REQUIRING SECTION 37 CONSENT
- OHL UNDER EXISTING CONSENT
- OHL TEMPORARY - EXEMPTION REGULATIONS 2009
- OHL REPLACEMENT - EXEMPTION REGULATIONS 2009
- OHL PERMITTED DEVELOPMENT RIGHTS
- NATIONAL GRID FREEHOLD BOUNDARY
- TO BE REMOVED
- NATURAL ENVIRONMENT
- INLAND WATER

Existing Overhead Lines to be Removed - Brinsworth

Ref.	OHL Ref.	OHL Voltage (kV)	Circuit Identity	Tower Removal	Total Length (m)	Applicable Consent
1	4ZV	275	Brinsworth - Chesterfield 1	Towers from 4ZV187T to 4ZV193	1559	Existing Rights
			Brinsworth - Chesterfield 2			
2	4ZH	400	Brinsworth - Thorpe Marsh 1	Towers from 4ZH112A to 4ZH114T	565	Existing Rights
			Brinsworth - Thorpe Marsh 2			

New Proposed Permanent Overhead Lines - Long Lane

Ref.	OHL Ref.	OHL Voltage (kV)	Circuit Identity	Tower Installation	Total Length* (m)	S37 Length* (m)	S37 Exemption Length* (m)	PD Rights Length* (m)
1	4ZV	400	Long Lane - Chesterfield 1	Towers from 4ZV187 to 4ZV190	849	685	-	164
			Long Lane - Chesterfield 2	Towers from 4ZV187 to 4ZV190				
2	4ZH	400	Long Lane - Thorpe Marsh 1	Towers from 4ZH112A to 4ZH112C (via. 4ZH112B)	416	-	-	416
			Long Lane- Thorpe Marsh 2	Towers from 4ZH112A to 4ZH112C				
3	4ZH	400	Brinsworth - Long Lane 1	Towers from 4ZH114 to 4ZH113	459	-	138	321
			Brinsworth - Long Lane 2	Towers from 4ZH114 to 4ZH113				

New Proposed Temporary Overhead Lines - Long Lane

Ref.	OHL Ref.	OHL Voltage (kV)	Circuit Identity	Tower Installation	Total Length* (m)	S37 Length* (m)	S37 Exemption Length* (m)	PD Rights Length* (m)	Duration
1	4ZV	275	Brinsworth - Chesterfield 2	Towers from 4ZV186 to 4ZV188	753	753	-	-	>6 months
2	4ZH	400	Brinsworth - Thorpe Marsh 1	Towers from 4ZH112B to 4ZH115	835	-	614	221	<6 months

* Proposed Permanent and Temporary Overhead Line Lengths are measured from the departure from the existing overhead line alignment up to the relevant gantry inside the proposed substation compound (for double circuits, measurements include both downleads in the total measurements). Sections of reconductoring within the existing overhead line alignment, shown in light blue, are not included in the summations and are covered by National Grid's existing rights.

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Rev.	Date	Comment	Drw by	Check	Rev by	Appr.
P04	06/10/26	Tower ID updated, Tower heights for L6m D & D30 and L12 D55 & DJ/DT, 4ZV188 Option B added to sheet 2	KP	VS	RMJB	RMJB
P03	10/06/26	Issued for review & acceptance	MM	VS	RMJB	
P02	03/06/26	Issued for comments	MM	VS	RMJB	RMJB
P01	15/05/26	First issue	MM	VS	RMJB	RMJB

NATIONAL GRID INVESTMENT NUMBER: 101812 - 205848

nationalgrid
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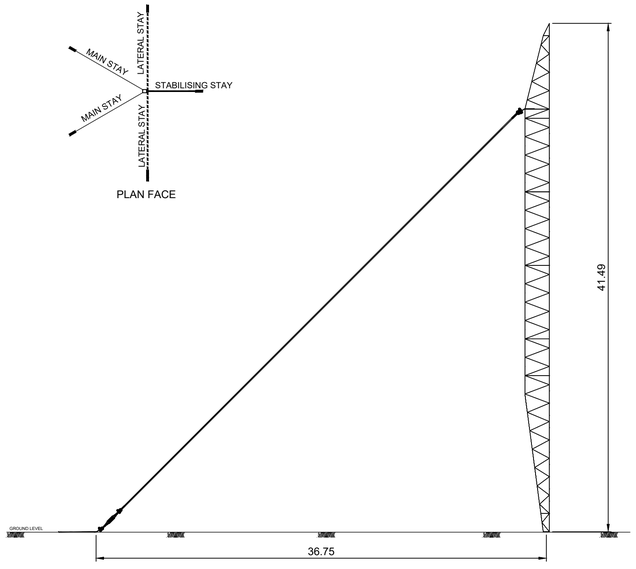
Site: BRINSWORTH TO CHESTERFIELD

Title: LONG LANE 400kV SUBSTATION S37 OVERHEAD WORKS PLAN SHEET 01

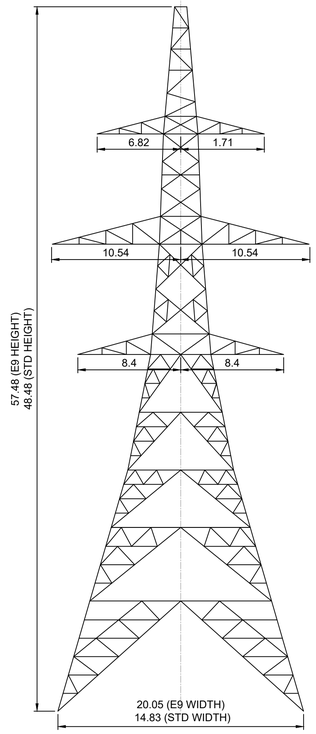
Purpose of issue: SHARED FOR REVIEW AND ACCEPTANCE
Status: S5
Contractor Drawing No.: EDEU-WSP-OH70-LONL4-PLN-OC-000002
Revision: P04
Customer Drawing No.:
Sheet 001 of 002
Issue: 01

Drawn	Checked	Reviewed	Approved	Date	Scale	Size
MM	VS	RMJB	RMJB	15/05/2026	1:3000	A1



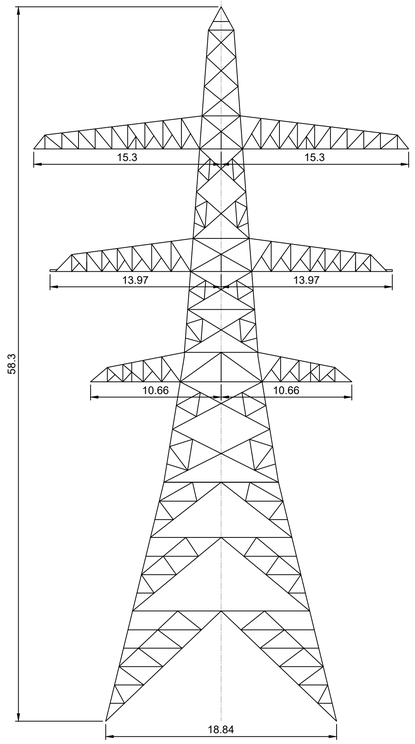
TRANSVERSE FACE

M4 MAST E9



TRANSVERSE FACE

L6M D30



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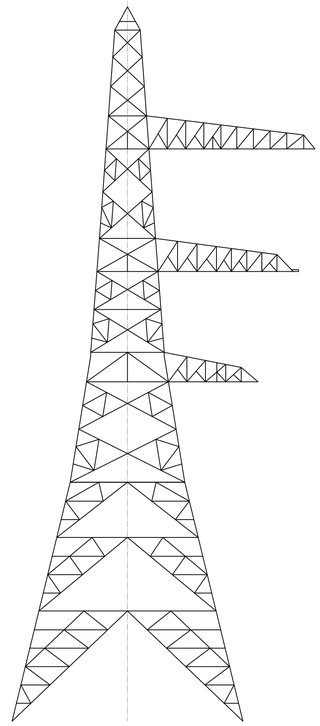
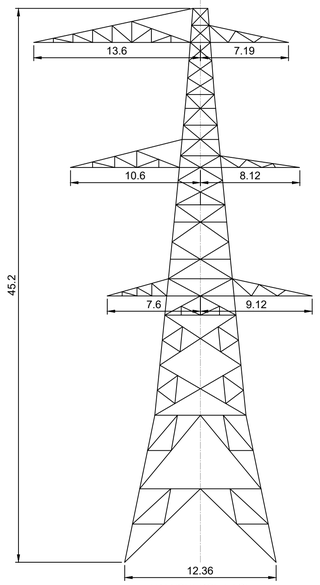


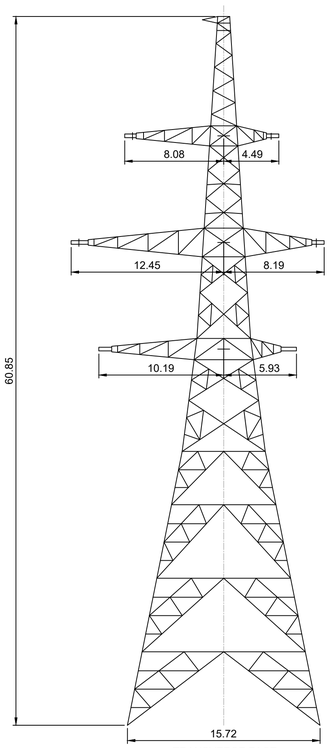
LONGITUDINAL FACE

L12 DJ/DT E9



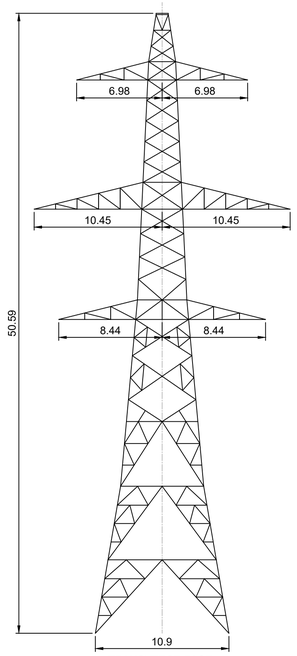
TRANSVERSE FACE

L6M ST STD



TRANSVERSE FACE

L12 D55 E12



TRANSVERSE FACE

L6M D STD

STRUCTURE OUTLINES

SCALE 1:250

TOWER DETAILS		
TOWER ID	TOWER TYPE	X & Y COORDINATES
4ZH112B	L6m ST STD	444463.0, 389717.2
4ZH112C	L12 DT/DJ E9	444438.6, 389639.5
4ZH113	L12 DT/DJ E9	444348.7, 389625.0
4ZH114	L6m D30 E9	443995.3, 389659.6
4ZH115T (OPTION A)	M4 MAST E9	443929.1, 389694.7
4ZH115T (OPTION B)	L6m D30 E9 (TEMP)	443929.1, 389694.7
4ZV190	L12m DT/DJ E9	444485.8, 389407.3
4ZV189	L6m D30 E9	444508.8, 389239.8
4ZV188 (OPTION A)	L6m D STD	444477.8, 389031.5
4ZV188 (OPTION B)	L6m D30 STD	444477.8, 389031.5
4ZV187	L12m D55 E12	444399.5, 388690.1
4ZV186T (OPTION A)	M4 MAST E9	444388.4, 388642.8
4ZV186T (OPTION B)	L6m D30 E9 (TEMP)	444388.4, 388642.8

NOTES

1. REFER TO SHEET 001 OF 002 FOR DETAILS.

0 1:250 12.5 metres

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Site: BRINSWORTH TO CHESTERFIELD

Title: LONG LANE 400kV SUBSTATION
S37 OVERHEAD WORKS PLAN
SHEET 02

Purpose of issue: SHARED FOR REVIEW AND ACCEPTANCE
Status: S5
Contractor Drawing No.: EDEU-WSP-OH70-LONL4-PLN-OC-000002
Revision: P04
Customer Drawing No.:
Sheet 002 of 002
Issue: 01

Drawn	Checked	Reviewed	Approved	Date	Scale	Size
MM	VS	RMJB	RMJB	15/05/2026	1:250	A1