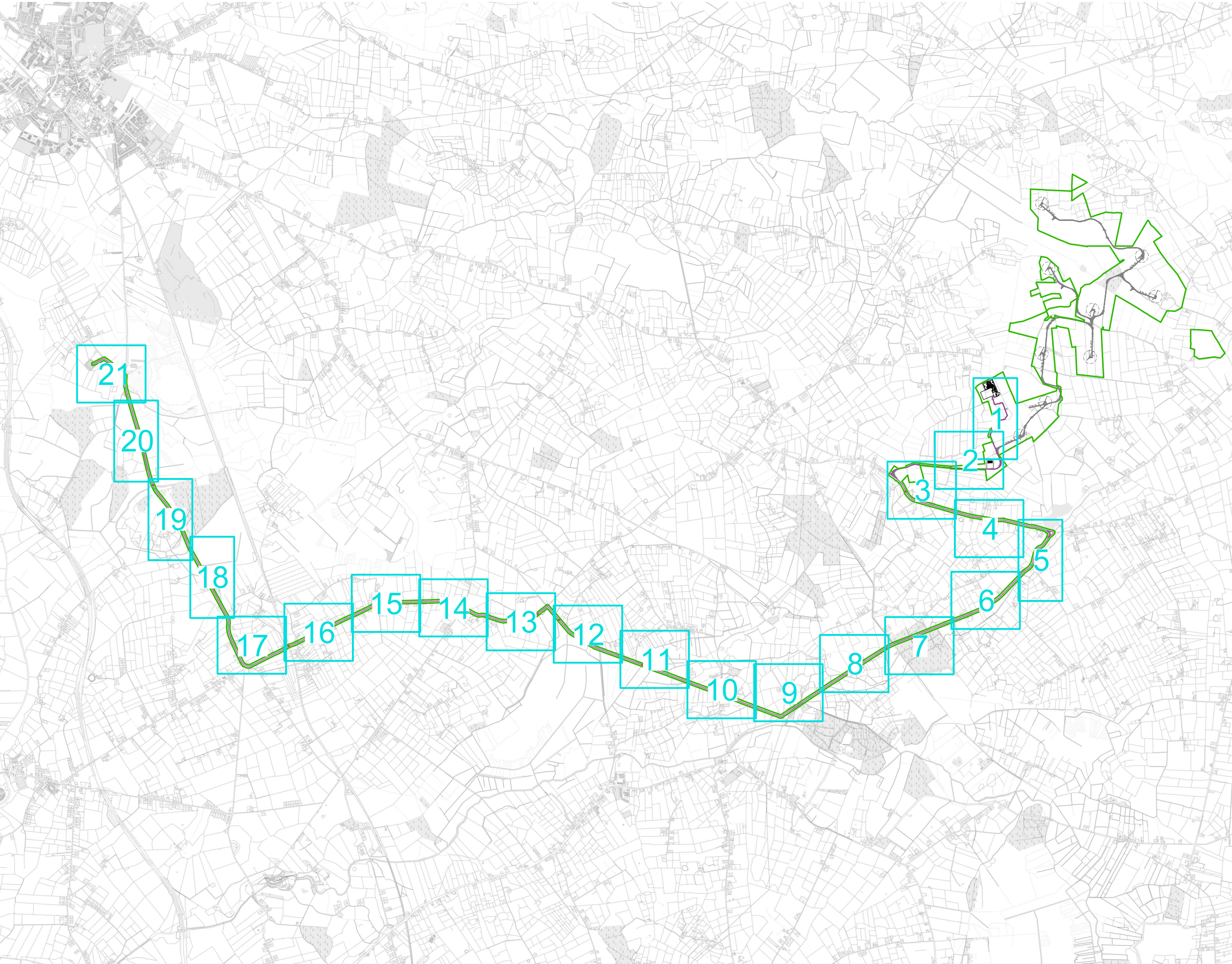




APPENDIX 4-4

GRID CONNECTION DRAWINGS



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 7. Exact location of cable/joint bay in the road curtilage to be subject to ESB/EirGrid specifications and agreement with Galway County Council.

- Drawing Legend**
- EIAR Site Boundary
 - Underground Electrical Cabling Route
 - Directionally Drilled Cable Section
 - Joint Bay
 - Watercourse Crossing
 - S37 Infrastructure



PROJECT TITLE: Cooloo Wind Farm, Co. Galway		
DRAWING TITLE: Site Layout Map Key Plan (1:2,500)		
PROJECT No.: 190723	DRAWING No.: 190723 - 01	SCALE: 1:45,000 @ A3
DRAWN BY: JOB	CHECKED BY: BT	DATE: 23.09.2025
OS SHEET NO. 2813, 2814, 2815, 2816, 2817, 2881, 2882, 2883, 2884, 2885, 2950, 2951, 2952, 2953, 2954, 3020, 3021, 3022, 3023, 3024		REVISION.: P01



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Drawing Legend

- EIAR Site Boundary
- Underground Electrical Cabling Route
- Joint Bay
- S37 Infrastructure



PROJECT TITLE: **Cooloo Wind Farm, Co. Galway**

DRAWING TITLE: **Site Layout Map Sheet 1 of 21**

PROJECT No.: 190723	DRAWING No.: 190723 - 02	SCALE: 1:2,500 @ A3
DRAWN BY: JOB	CHECKED BY: BT	DATE: 23.09.2025
		REVISION.: P01

OS SHEET No.: 2813, 2814, 2815, 2816, 2817, 2881, 2882, 2883, 2884, 2885, 2950, 2951, 2952, 2953, 2954, 3020, 3021, 3022, 3023, 3024



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- Drawing Legend**
- EIAR Site Boundary
 - Underground Electrical Cabling Route
 - Joint Bay
 - S37 Infrastructure



PROJECT TITLE: **Cooloo Wind Farm,
Co. Galway**

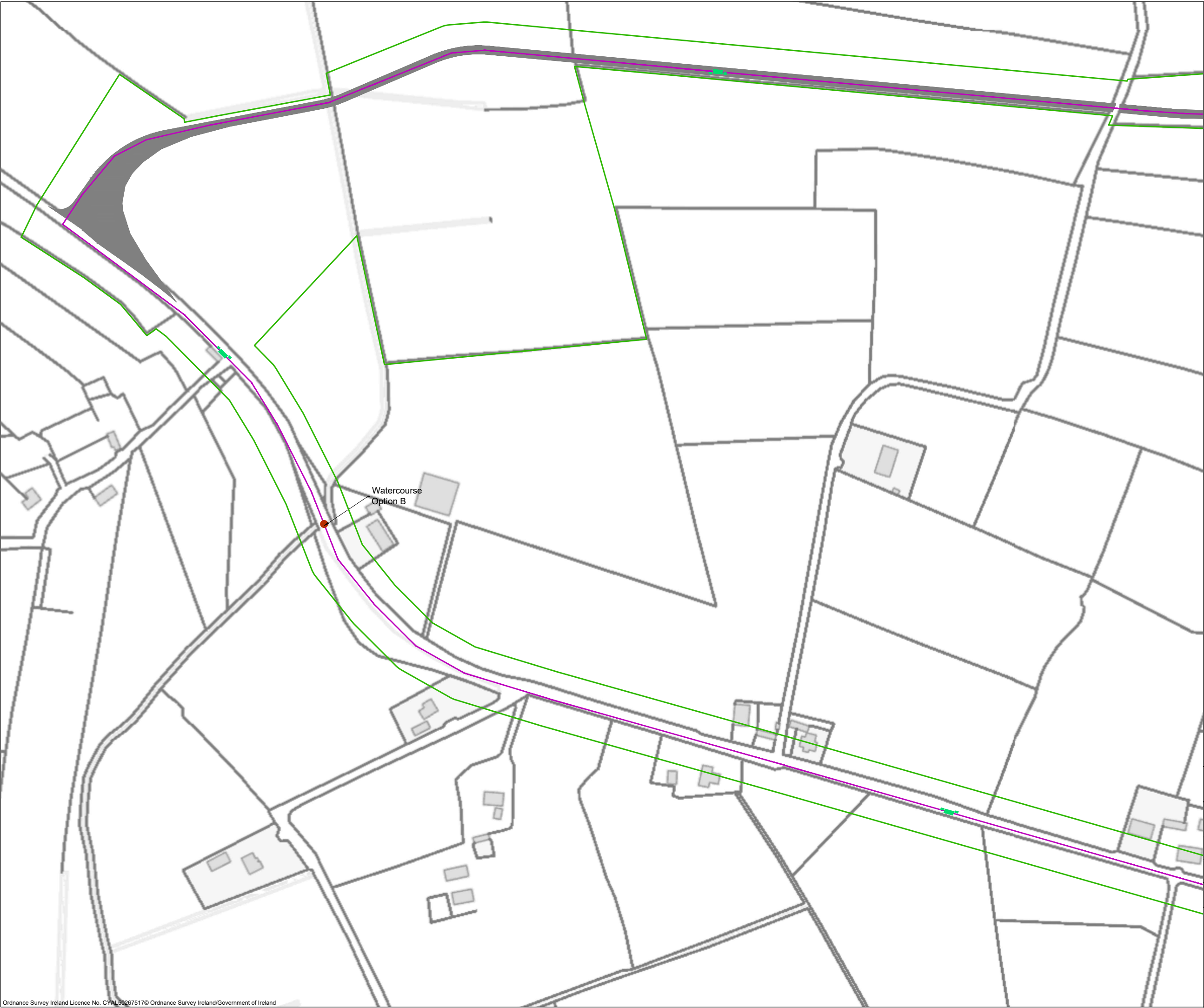
DRAWING TITLE: **Site Layout Map Sheet 2 of 21**

PROJECT No.: 190723		DRAWING No.: 190723 - 03		SCALE: 1:2,500 @ A3
DRAWN BY: JOB	CHECKED BY: BT	DATE: 23.09.2025	REVISION.: P01	

OS SHEET NO.: 2813, 2814, 2815, 2816, 2817, 2881, 2882, 2883, 2884, 2885, 2950, 2951, 2952, 2953, 2954, 3020, 3021, 3022, 3023, 3024



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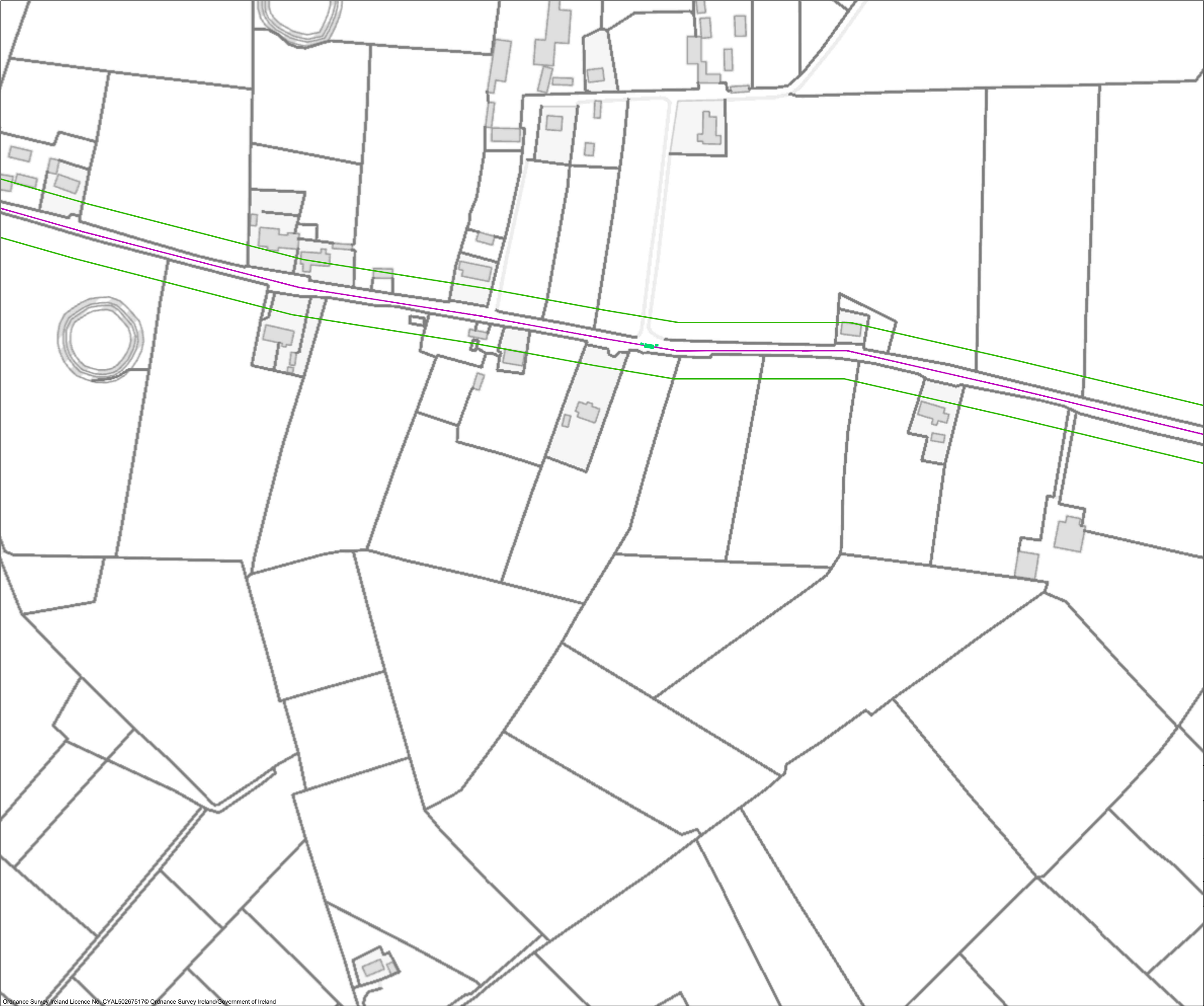
- Drawing Legend**
- EIAR Site Boundary
 - Underground Electrical Cabling Route
 - Joint Bay
 - Watercourse Crossing
 - S37 Infrastructure



PROJECT TITLE: Coolloo Wind Farm, Co. Galway			
DRAWING TITLE: Site Layout Map Sheet 3 of 21			
PROJECT No.: 190723	DRAWING No.: 190723 - 04	SCALE: 1:2,500 @ A3	
DRAWN BY: JOB	CHECKED BY: BT	DATE: 23.09.2025	REVISION.: P01
OS SHEET No.: 2813, 2814, 2815, 2816, 2817, 2881, 2882, 2883, 2884, 2885, 2950, 2951, 2952, 2953, 2954, 3020, 3021, 3022, 3023, 3024			



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Drawing Legend

- EIAR Site Boundary
- Underground Electrical Cabling Route
- Joint Bay

PROJECT TITLE:

Coolloo Wind Farm,
Co. Galway

DRAWING TITLE:

Site Layout Map Sheet 4 of 21

PROJECT No.:		DRAWING No.:		SCALE:	
190723		190723 - 05		1:2,500 @ A3	
DRAWN BY:	CHECKED BY:	DATE:	REVISION.:		
JOB	BT	23.09.2025	P01		

OS SHEET No.:

2813, 2814, 2815, 2816, 2817, 2881, 2882, 2883, 2884, 2885, 2950, 2951, 2952, 2953, 2954, 3020, 3021, 3022, 3023, 3024

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Drawing Legend

- EIAR Site Boundary
- Underground Electrical Cabling Route
- S37 Infrastructure
- Joint Bay



PROJECT TITLE: **Cooloo Wind Farm,
Co. Galway**

DRAWING TITLE: **Site Layout Map Sheet 5 of 21**

PROJECT No.: 190723		DRAWING No.: 190723 - 06		SCALE: 1:2,500 @ A3
DRAWN BY: JOB	CHECKED BY: BT	DATE: 23.09.2025	REVISION.: P01	

OS SHEET No.:
2813, 2814, 2815, 2816, 2817, 2881, 2882, 2883, 2884, 2885, 2950, 2951, 2952, 2953, 2954, 3020, 3021, 3022, 3023, 3024





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- Drawing Legend**
- EIAR Site Boundary
 - Underground Electrical Cabling Route
 - Joint Bay



PROJECT TITLE:		Coolloo Wind Farm, Co. Galway	
DRAWING TITLE:		Site Layout Map Sheet 6 of 21	
PROJECT No.:		DRAWING No.:	
190723		190723 - 07	
		SCALE:	
		1:2,500 @ A3	
DRAWN BY:	CHECKED BY:	DATE:	REVISION.:
JOB	BT	23.09.2025	P01
OS SHEET No. 2813, 2814, 2815, 2816, 2817, 2881, 2882, 2883, 2884, 2885, 2950, 2951, 2952, 2953, 2954, 3020, 3021, 3022, 3023, 3024			



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- Drawing Legend**
- EIAR Site Boundary
 - Underground Electrical Cabling Route
 - Joint Bay
 - Watercourse Crossing
 - S37 Infrastructure

Watercourse
Option B



PROJECT TITLE:		Coolloo Wind Farm, Co. Galway	
DRAWING TITLE:			
Site Layout Map Sheet 7 of 21			
PROJECT No.:		DRAWING No.:	
190723		190723 - 08	
		SCALE:	
		1:2,500 @ A3	
DRAWN BY:	CHECKED BY:	DATE:	REVISION.:
JOB	BT	23.09.2025	P01
OS SHEET No. 2813, 2814, 2815, 2816, 2817, 2881, 2882, 2883, 2884, 2885, 2950, 2951, 2952, 2953, 2954, 3020, 3021, 3022, 3023, 3024			



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- Drawing Legend**
- EIAR Site Boundary
 - Underground Electrical Cabling Route
 - Joint Bay
 - Watercourse Crossing



PROJECT TITLE: **Cooloo Wind Farm,
Co. Galway**

DRAWING TITLE: **Site Layout Map Sheet 8 of 21**

PROJECT No.: 190723	DRAWING No.: 190723 - 09	SCALE: 1:2,500 @ A3
DRAWN BY: JOB	CHECKED BY: BT	DATE: 23.09.2025
		REVISION.: P01

OS SHEET No.: 2813, 2814, 2815, 2816, 2817, 2881, 2882, 2883, 2884, 2885, 2950, 2951, 2952, 2953, 2954, 3020, 3021, 3022, 3023, 3024



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Drawing Legend

- EIAR Site Boundary
- Underground Electrical Cabling Route
- Joint Bay

PROJECT TITLE: **Cooloo Wind Farm,
Co. Galway**

DRAWING TITLE: **Site Layout Map Sheet 9 of 21**

PROJECT No.: 190723	DRAWING No.: 190723 - 10	SCALE: 1:2,500 @ A3
DRAWN BY: JOB	CHECKED BY: BT	DATE: 23.09.2025
		REVISION.: P01

OS SHEET No.: 2813, 2814, 2815, 2816, 2817, 2881, 2882, 2883, 2884, 2885, 2950, 2951, 2952, 2953, 2954, 3020, 3021, 3022, 3023, 3024

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Drawing Legend

- EIAR Site Boundary
- Underground Electrical Cabling Route
- Joint Bay



PROJECT TITLE: Cooloo Wind Farm, Co. Galway			
DRAWING TITLE: Site Layout Map Sheet 10 of 21			
PROJECT No.: 190723	DRAWING No.: 190723 - 11	SCALE: 1:2,500 @ A3	
DRAWN BY: JOB	CHECKED BY: BT	DATE: 23.09.2025	REVISION.: P01
OS SHEET No.: 2813, 2814, 2815, 2816, 2817, 2881, 2882, 2883, 2884, 2885, 2950, 2951, 2952, 2953, 2954, 3020, 3021, 3022, 3023, 3024			



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- Drawing Legend**
- EIAR Site Boundary
 - Underground Electrical Cabling Route
 - Joint Bay
 - Watercourse Crossing



PROJECT TITLE:		Cooloo Wind Farm, Co. Galway	
DRAWING TITLE:			
Site Layout Map Sheet 11 of 21			
PROJECT No.:		DRAWING No.:	
190723		190723 - 12	
		SCALE:	
		1:2,500 @ A3	
DRAWN BY:	CHECKED BY:	DATE:	REVISION.:
JOB	BT	23.09.2025	P01
OS SHEET No.:			
2813, 2814, 2815, 2816, 2817, 2881, 2882, 2883, 2884, 2885, 2950, 2951, 2952, 2953, 2954, 3020, 3021, 3022, 3023, 3024			



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Drawing Legend

- EIAR Site Boundary
- Underground Electrical Cabling Route
- Joint Bay
- Watercourse Crossing

PROJECT TITLE:

Cooloo Wind Farm,
Co. Galway

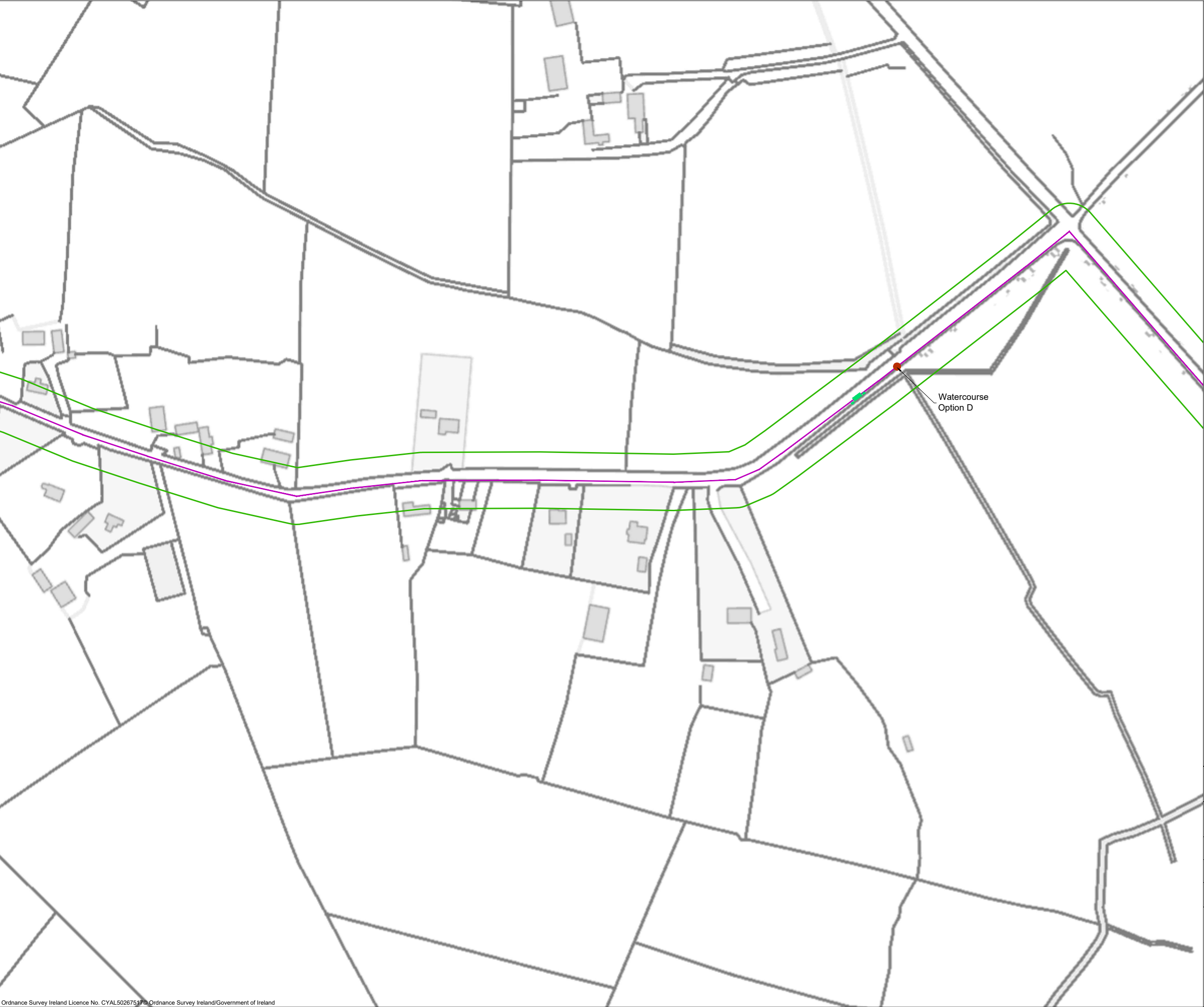
DRAWING TITLE:

Site Layout Map Sheet 12 of 21

PROJECT No.: 190723		DRAWING No.: 190723 - 13	SCALE: 1:2,500 @ A3
DRAWN BY: JOB	CHECKED BY: BT	DATE: 23.09.2025	REVISION.: P01

OS SHEET NO.:
2813, 2814, 2815, 2816, 2817, 2881, 2882, 2883, 2884, 2885, 2950, 2951, 2952, 2953, 2954, 3020, 3021, 3022, 3023, 3024

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- Drawing Legend**
- EIAR Site Boundary
 - Underground Electrical Cabling Route
 - Joint Bay
 - Watercourse Crossing



PROJECT TITLE: **Cooloo Wind Farm,
Co. Galway**

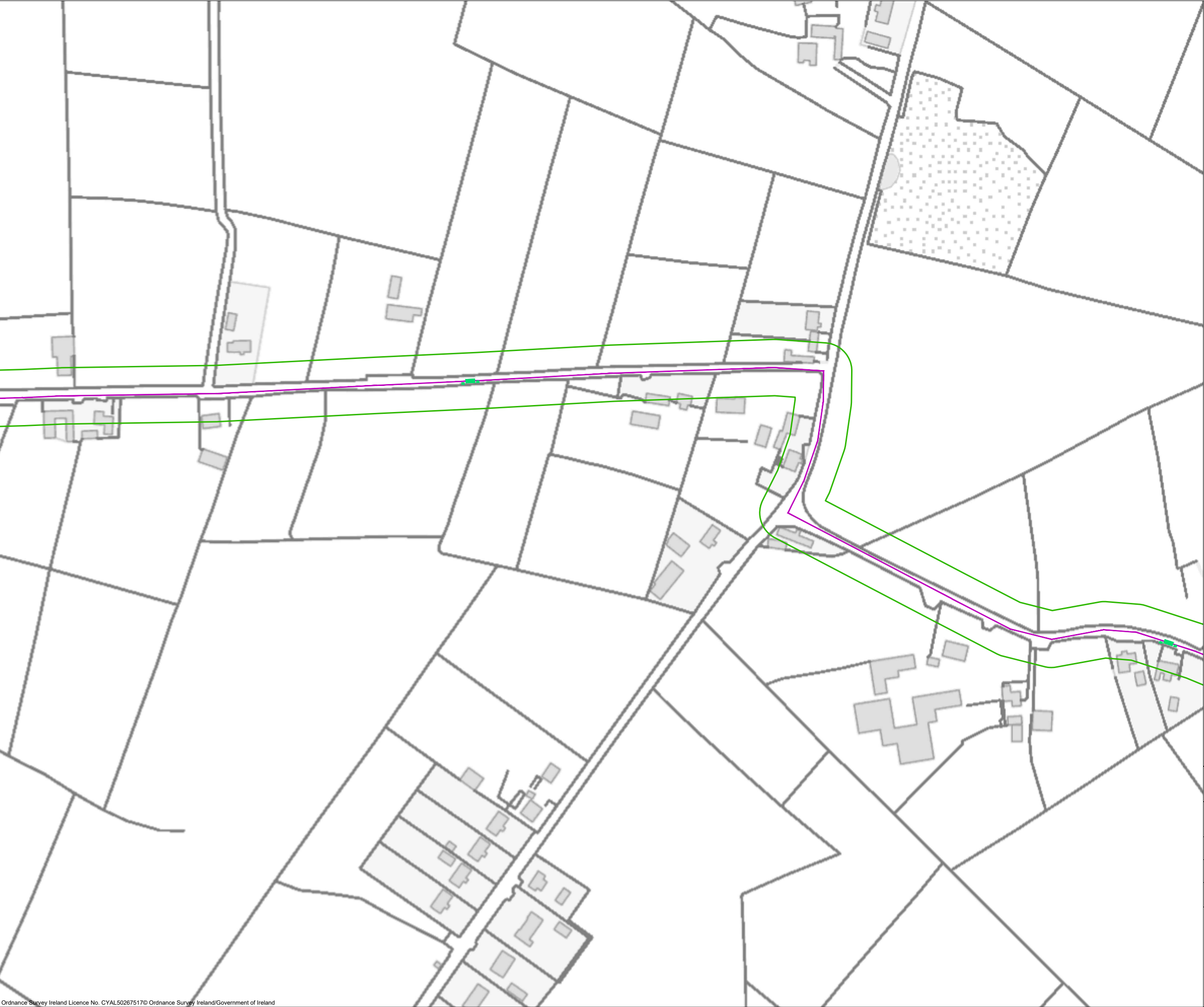
DRAWING TITLE: **Site Layout Map Sheet 13 of 21**

PROJECT No.: 190723	DRAWING No.: 190723 - 14	SCALE: 1:2,500 @ A3
DRAWN BY: JOB	CHECKED BY: BT	DATE: 23.09.2025
		REVISION.: P01

OS SHEET No.: 2813, 2814, 2815, 2816, 2817, 2881, 2882, 2883, 2884, 2885, 2950, 2951, 2952, 2953, 2954, 3020, 3021, 3022, 3023, 3024



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Drawing Legend

- EIAR Site Boundary
- Underground Electrical Cabling Route
- Joint Bay



PROJECT TITLE:

Coolloo Wind Farm,
Co. Galway

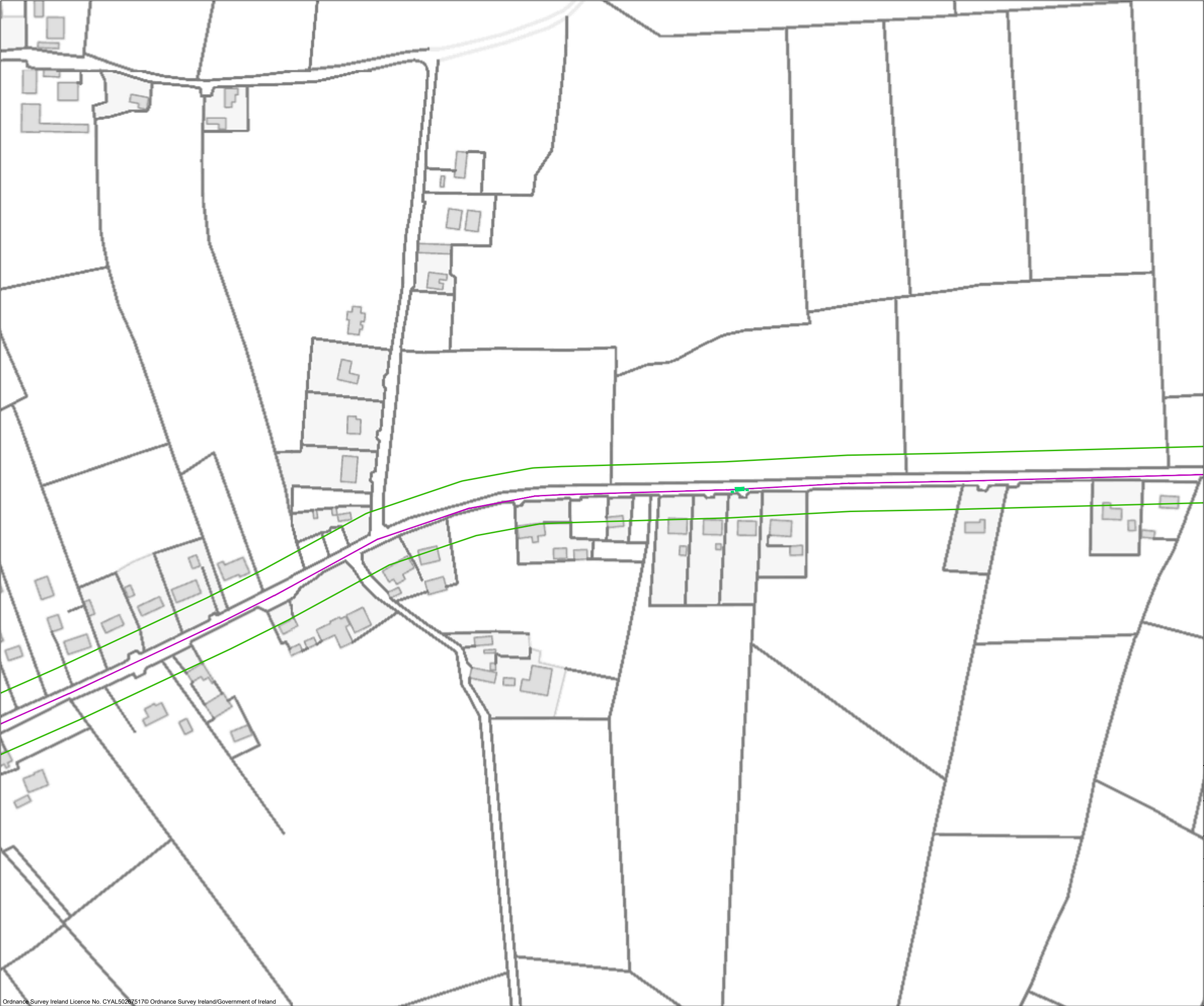
DRAWING TITLE:

Site Layout Map Sheet 14 of 21

PROJECT No.:		DRAWING No.:		SCALE:	
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DRAWN BY:	CHECKED BY:	DATE:	REVISION.:		
JOB	BT	23.09.2025	P01		
OS SHEET No.:					
2813, 2814, 2815, 2816, 2817, 2881, 2882, 2883, 2884, 2885, 2950, 2951, 2952, 2953, 2954, 3020, 3021, 3022, 3023, 3024					



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Drawing Legend

- EIAR Site Boundary
- Underground Electrical Cabling Route
- Joint Bay



PROJECT TITLE:		Coolloo Wind Farm, Co. Galway	
DRAWING TITLE:			
Site Layout Map Sheet 15 of 21			
PROJECT No.:		DRAWING No.:	
190723		190723 - 16	
		SCALE:	
		1:2,500 @ A3	
DRAWN BY:	CHECKED BY:	DATE:	REVISION.:
JOB	BT	23.09.2025	P01
OS SHEET No. 2813, 2814, 2815, 2816, 2817, 2881, 2882, 2883, 2884, 2885, 2950, 2951, 2952, 2953, 2954, 3020, 3021, 3022, 3023, 3024			



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Drawing Legend

- EIAR Site Boundary
- Underground Electrical Cabling Route
- Joint Bay
- Railway Crossing

PROJECT TITLE:

**Coolloo Wind Farm,
Co. Galway**

DRAWING TITLE:

Site Layout Map Sheet 16 of 21

PROJECT No.:		DRAWING No.:		SCALE:	
190723		190723 - 17		1:2,500 @ A3	
DRAWN BY:	CHECKED BY:	DATE:	REVISION.:		
JOB	BT	23.09.2025	P01		

OS SHEET No.:

2813, 2814, 2815, 2816, 2817, 2881, 2882, 2883, 2884, 2885, 2950, 2951, 2952, 2953, 2954, 3020, 3021, 3022, 3023, 3024

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 7. Exact location of cable/joint bay in the road curtilage to be subject to ESB/EirGrid specifications and agreement with Galway County Council.

- Drawing Legend**
- EIAR Site Boundary
 - Underground Electrical Cabling Route
 - Joint Bay



PROJECT TITLE: Cooloo Wind Farm, Co. Galway			
DRAWING TITLE: Site Layout Map Sheet 17 of 21			
PROJECT No.: 190723	DRAWING No.: 190723 - 18	SCALE: 1:2,500 @ A3	
DRAWN BY: JOB	CHECKED BY: BT	DATE: 23.09.2025	REVISION.: P01
OS SHEET NO.: 2813, 2814, 2815, 2816, 2817, 2881, 2882, 2883, 2884, 2885, 2950, 2951, 2952, 2953, 2954, 3020, 3021, 3022, 3023, 3024			



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Drawing Legend

- EIAR Site Boundary
- Underground Electrical Cabling Route
- Joint Bay



PROJECT TITLE: Cooloo Wind Farm, Co. Galway			
DRAWING TITLE: Site Layout Map Sheet 18 of 21			
PROJECT No.: 190723		DRAWING No.: 190723 - 19	SCALE: 1:2,500 @ A3
DRAWN BY: JOB	CHECKED BY: BT	DATE: 23.09.2025	REVISION.: P01
OS SHEET No.: 2813, 2814, 2815, 2816, 2817, 2881, 2882, 2883, 2884, 2885, 2950, 2951, 2952, 2953, 2954, 3020, 3021, 3022, 3023, 3024			





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- Drawing Legend**
- EIAR Site Boundary
 - Underground Electrical Cabling Route
 - Joint Bay
 - Watercourse Crossing

PROJECT TITLE: **Cooloo Wind Farm, Co. Galway**

DRAWING TITLE: **Site Layout Map Sheet 19 of 21**

PROJECT No.: 190723		DRAWING No.: 190723 - 20		SCALE: 1:2,500 @ A3
DRAWN BY: JOB	CHECKED BY: BT	DATE: 23.09.2025	REVISION.: P01	

OS SHEET No.:
2813, 2814, 2815, 2816, 2817, 2881, 2882, 2883, 2884, 2885, 2950, 2951, 2952, 2953, 2954, 3020, 3021, 3022, 3023, 3024



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Drawing Legend

- EIAR Site Boundary
- Underground Electrical Cabling Route
- Joint Bay



PROJECT TITLE: **Cooloo Wind Farm, Co. Galway**

DRAWING TITLE: **Site Layout Map Sheet 20 of 21**

PROJECT No.: 190723		DRAWING No.: 190723 - 21		SCALE: 1:2,500 @ A3
DRAWN BY: JOB	CHECKED BY: BT	DATE: 23.09.2025	REVISION.: P01	

OS SHEET No.: 2813, 2814, 2815, 2816, 2817, 2881, 2882, 2883, 2884, 2885, 2950, 2951, 2952, 2953, 2954, 3020, 3021, 3022, 3023, 3024



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- Drawing Legend**
- EIAR Site Boundary
 - Underground Electrical Cabling Route
 - Joint Bay



PROJECT TITLE: **Cooloo Wind Farm,
Co. Galway**

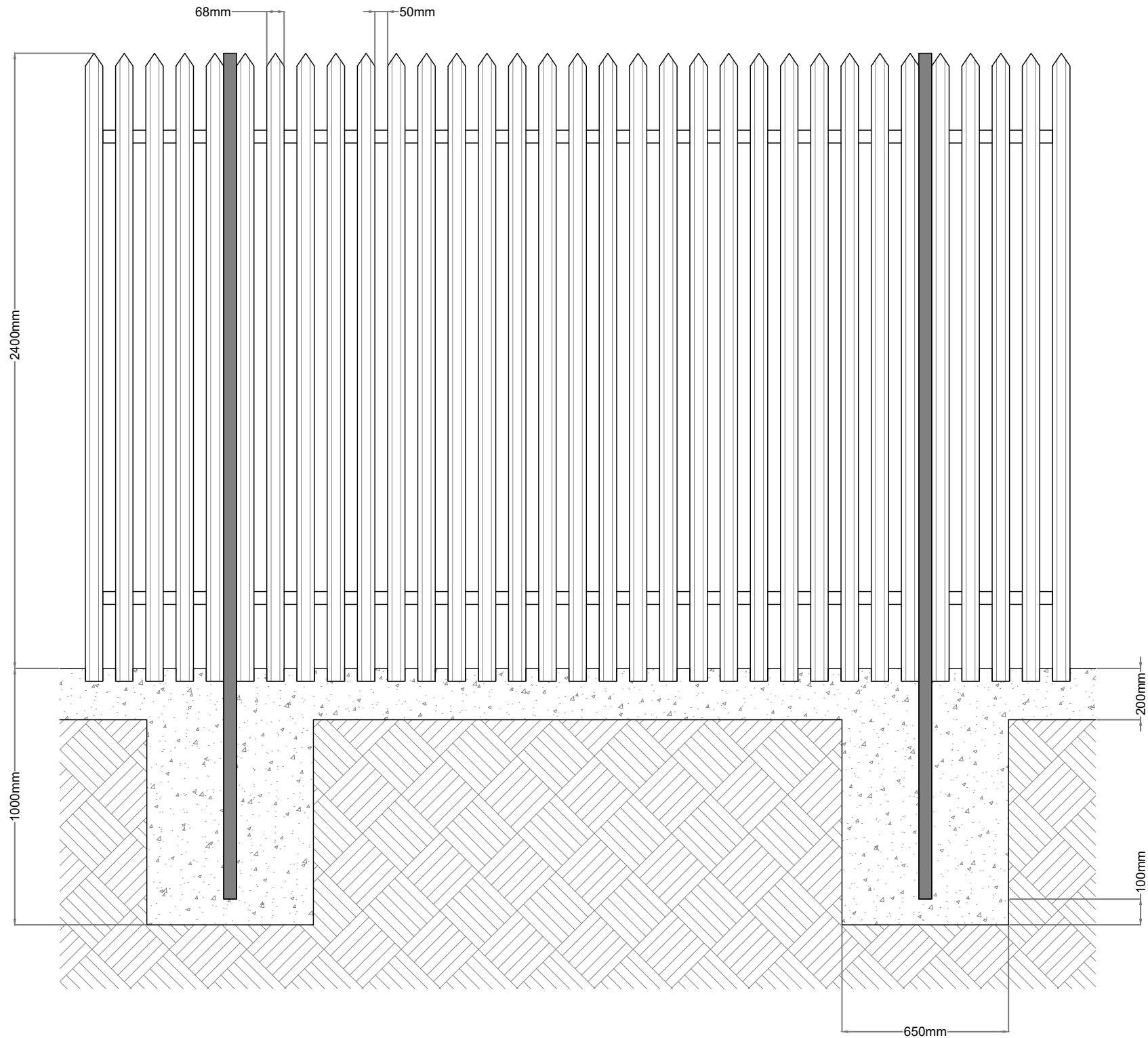
DRAWING TITLE: **Site Layout Map Sheet 21 of 21**

PROJECT No.: 190723	DRAWING No.: 190723 - 22	SCALE: 1:2,500 @ A3
DRAWN BY: JOB	CHECKED BY: BT	DATE: 23.09.2025
		REVISION.: P01

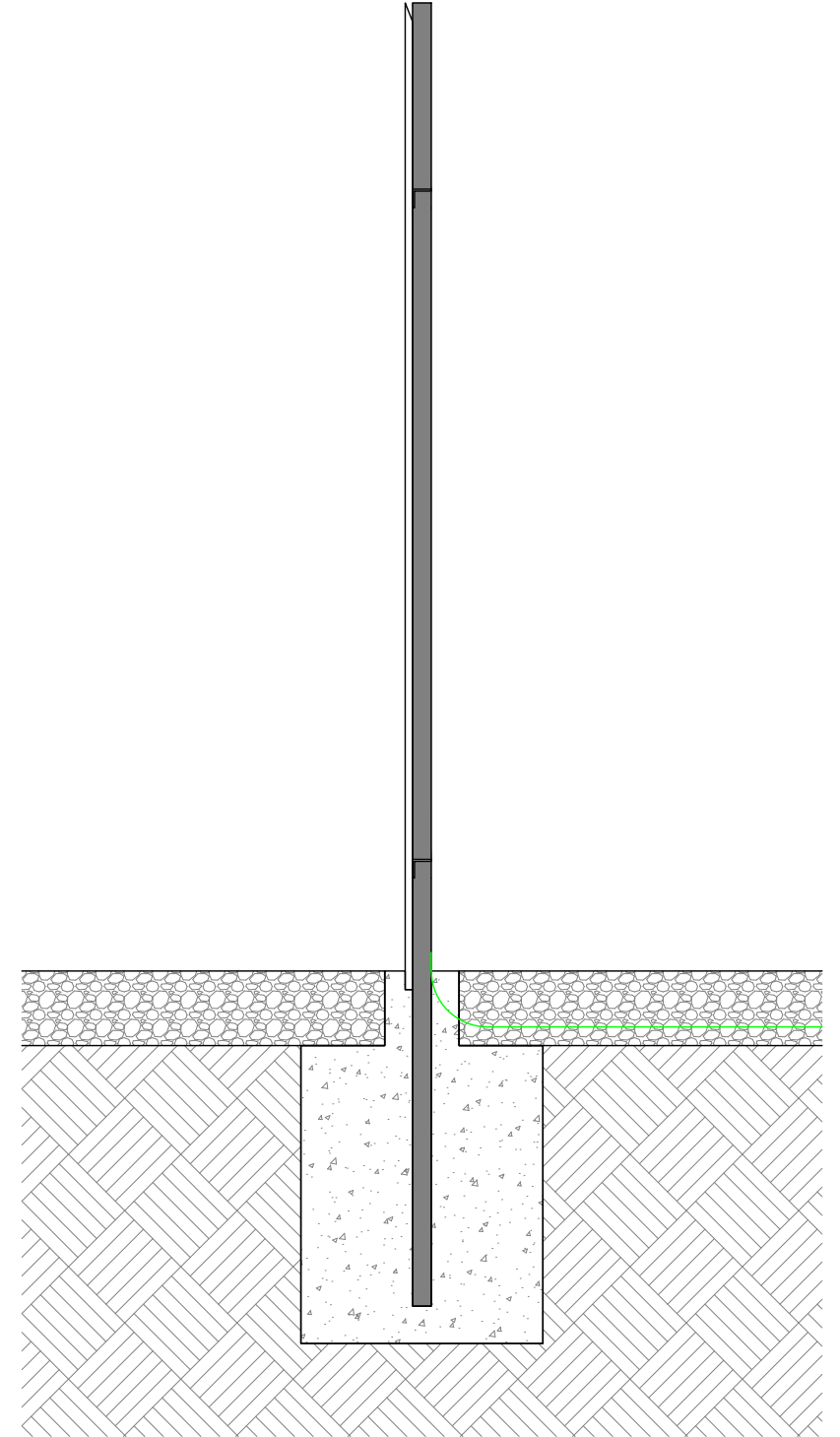
OS SHEET NO.: 2813, 2814, 2815, 2816, 2817, 2881, 2882, 2883, 2884, 2885, 2950, 2951, 2952, 2953, 2954, 3020, 3021, 3022, 3023, 3024



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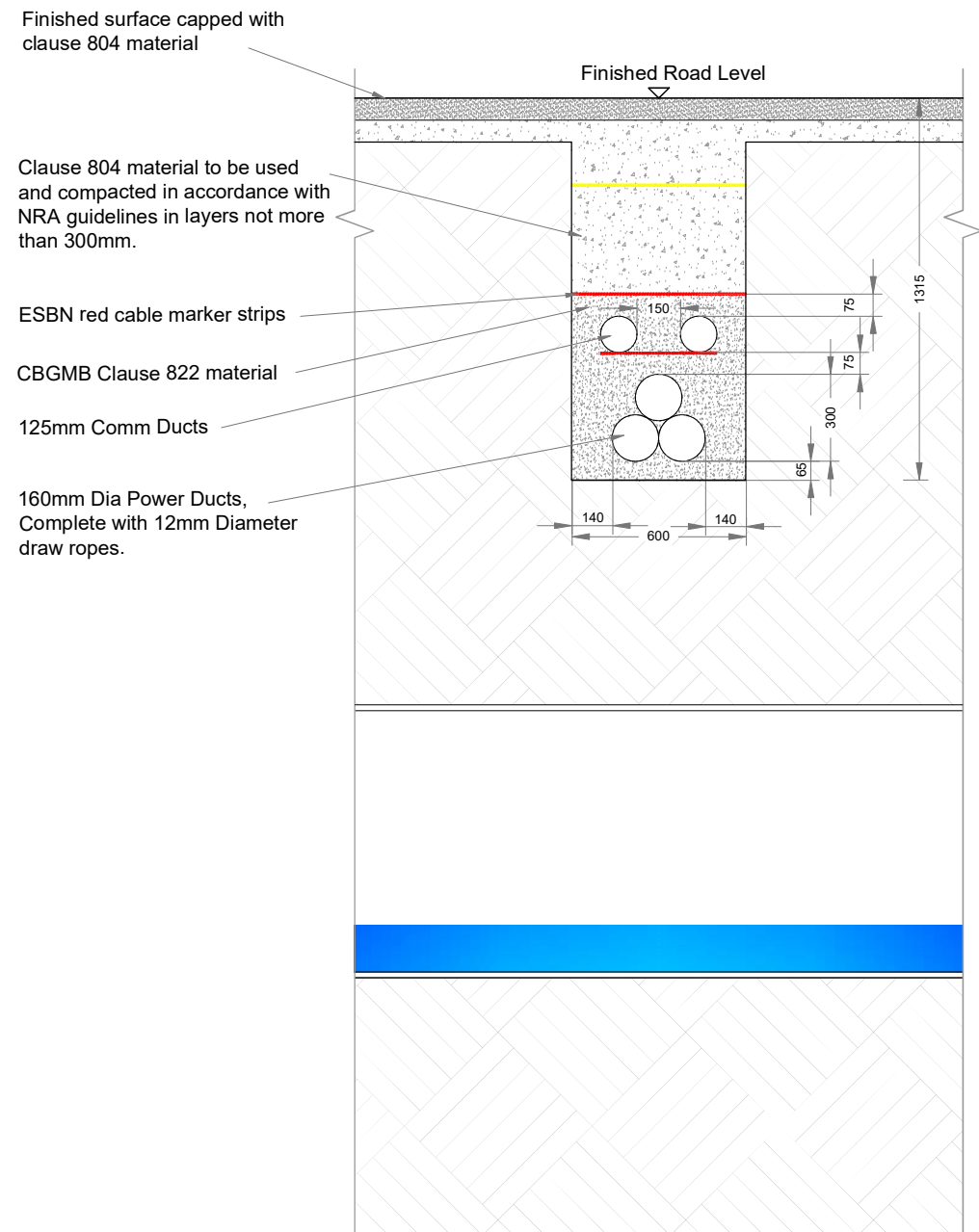
Standard Palisade Fencing
1:20



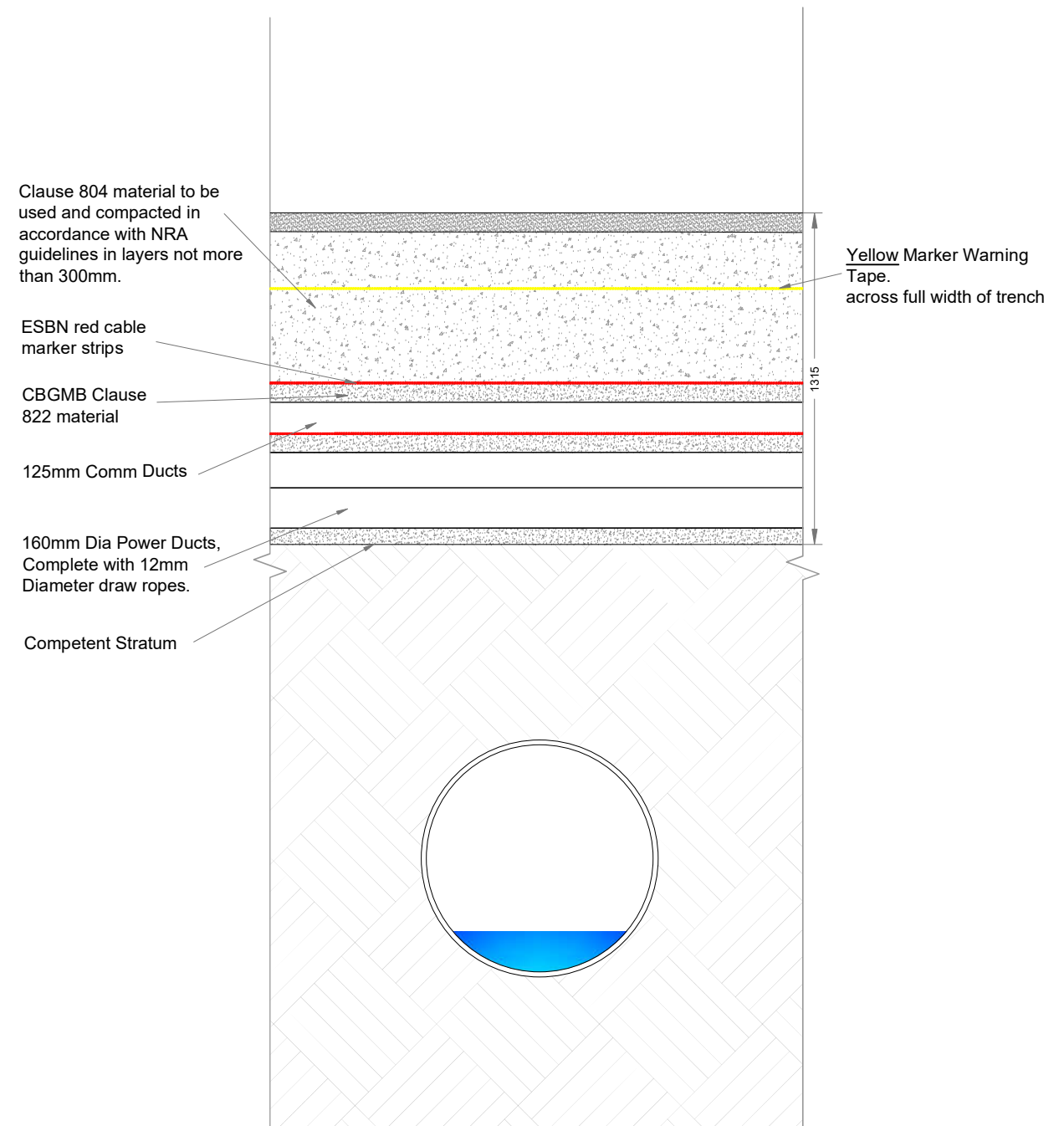
PROJECT TITLE: Cooloo Wind Farm, Co. Galway			
DRAWING TITLE: Standard Palisade Fencing			
PROJECT No.: 190723	DRAWING No.: 190723 - 26	SCALE: 1:20 @ A3	
DRAWN BY: JOB	CHECKED BY: BT	DATE: 23.09.2025	REVISION.: P01



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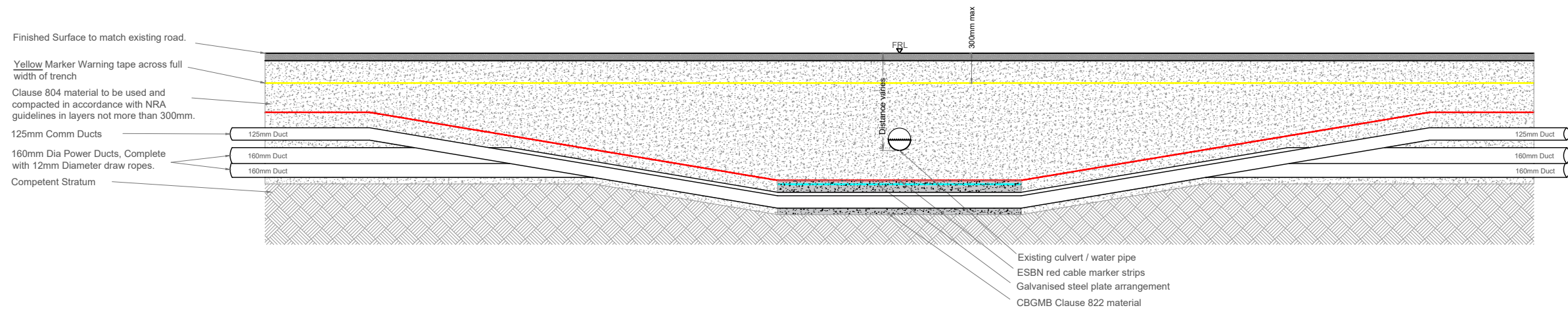
Cross Section B-B
SCALE 1:25



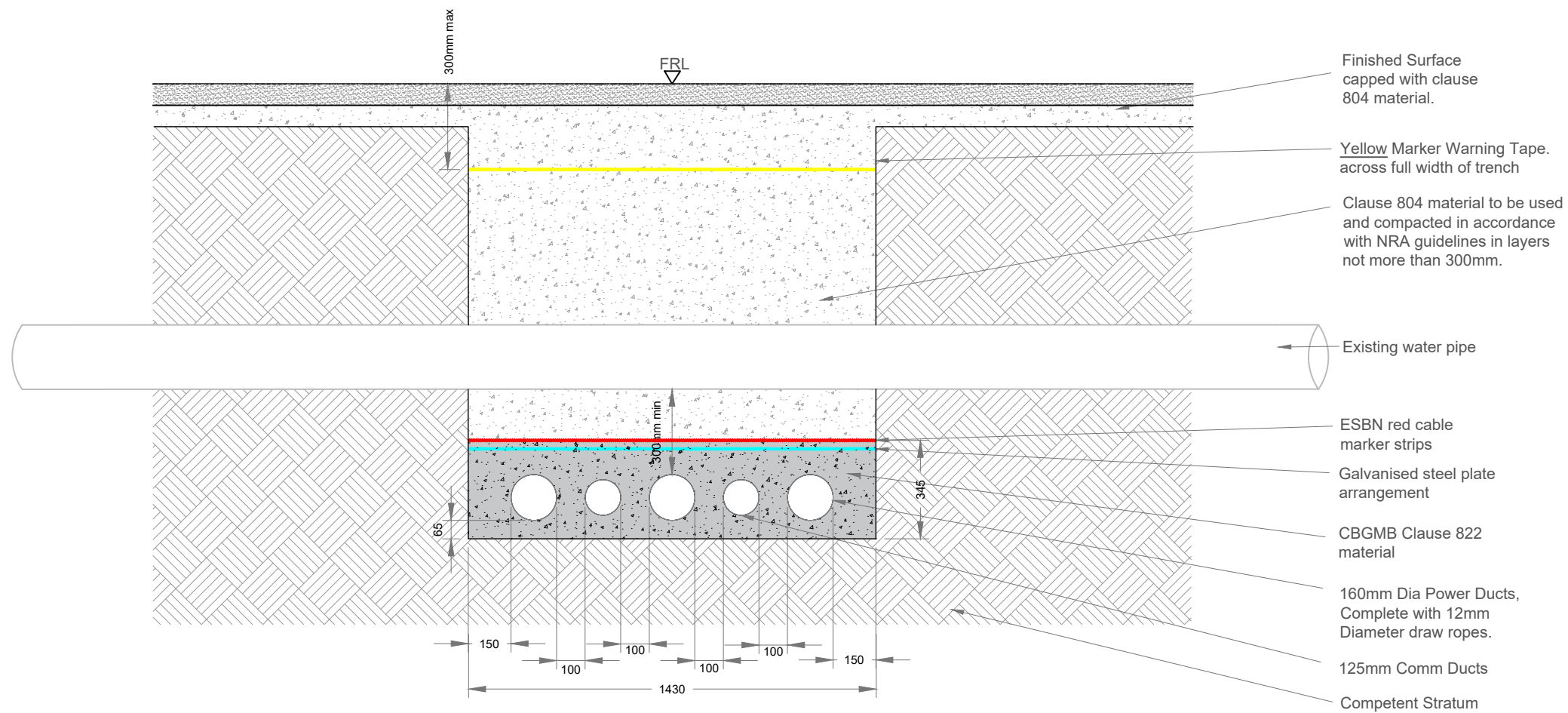
Longitudinal Section A-A
SCALE 1:25

PROJECT TITLE: Cooloo Wind Farm, Co. Galway			
DRAWING TITLE: Water Crossing Option A			
PROJECT No.: 190723	DRAWING No.: 190723 - 23	SCALE: 1: 25 @ A3	
DRAWN BY: JOB	CHECKED BY: BT	DATE: 25.09.2025	REVISION.: Figure 4-29





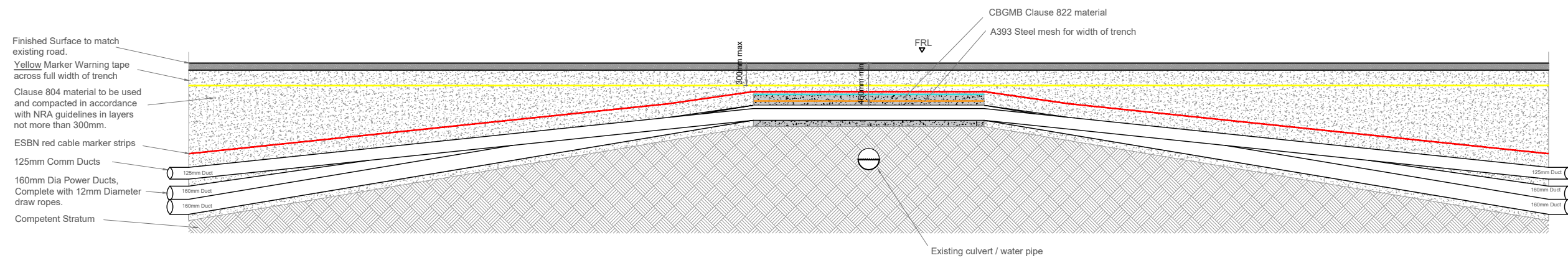
Option B - Flat bed under existing pipe - 110kV
SCALE 1:50



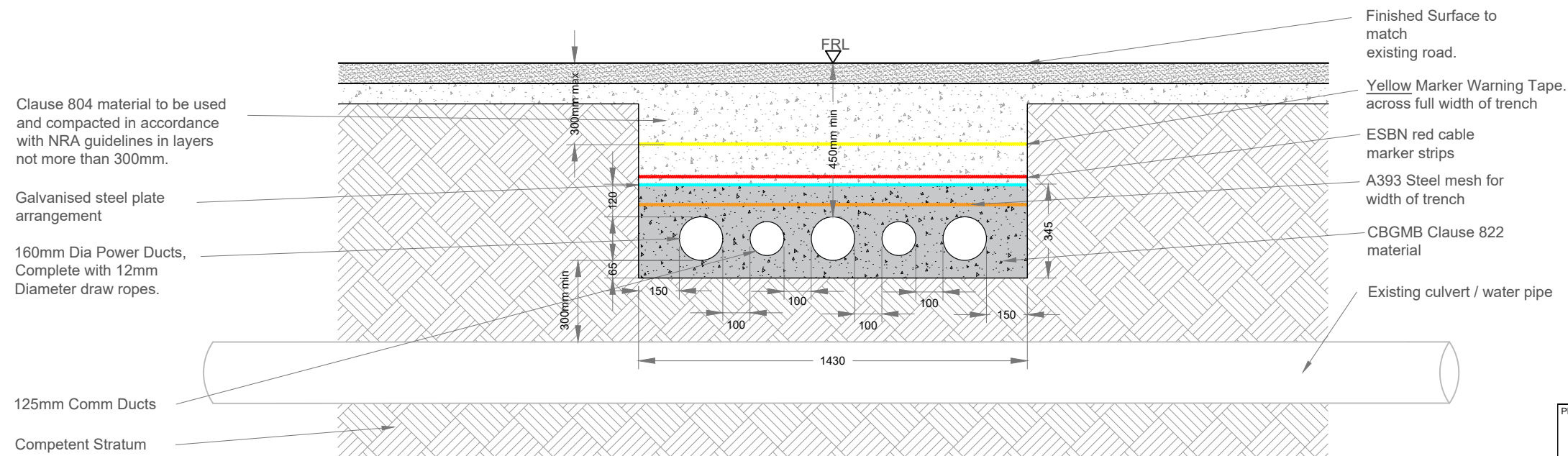
Option B - Flat bed under existing pipe - 110kV
SCALE 1:20

PROJECT TITLE: Cooloo Wind Farm, Co. Galway			
DRAWING TITLE: Option B - 110kV Cable Trench Flat Bed Under			
PROJECT No.: 190723	DRAWING No.: 190723 - 27	SCALE: As shown@ A3	
DRAWN BY: JOB	CHECKED BY: BT	DATE: 23.09.2025	REVISION.: P01





Option C - Flat bed over existing pipe - 110kV
SCALE 1:50

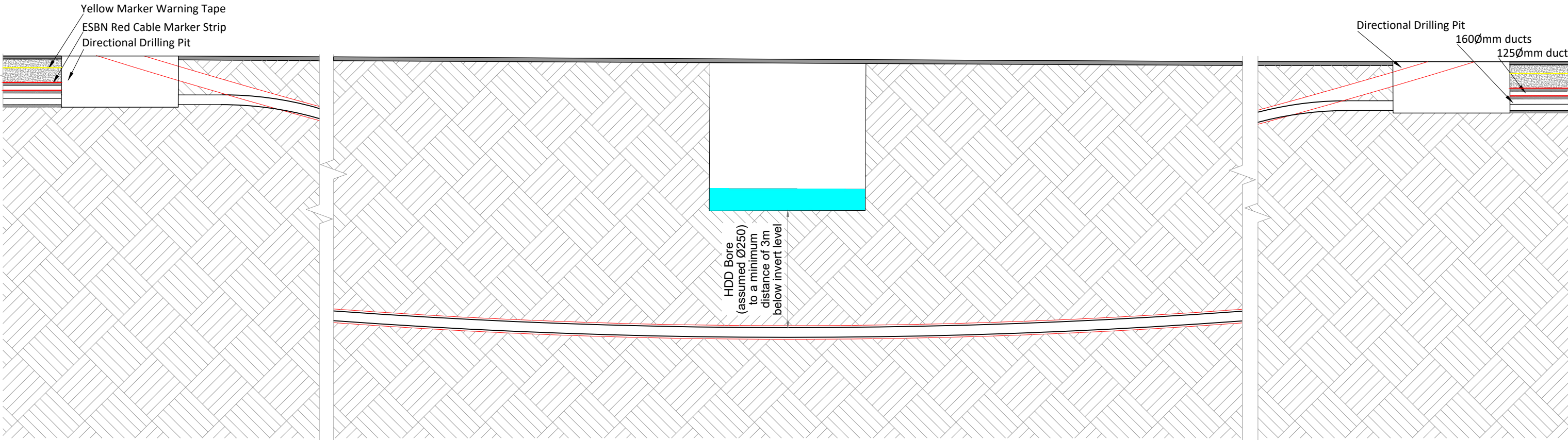


Option C - Flat bed over existing pipe - 110kV
SCALE 1:20

PROJECT TITLE: Cooloo Wind Farm, Co. Galway			
DRAWING TITLE: Option C - 110kV Cable Trench Flat Bed Over			
PROJECT No.: 190723	DRAWING No.: 190723 - 28	SCALE: As shown@ A3	
DRAWN BY: JOB	CHECKED BY: BT	DATE: 23.09.2025	REVISION.: P01



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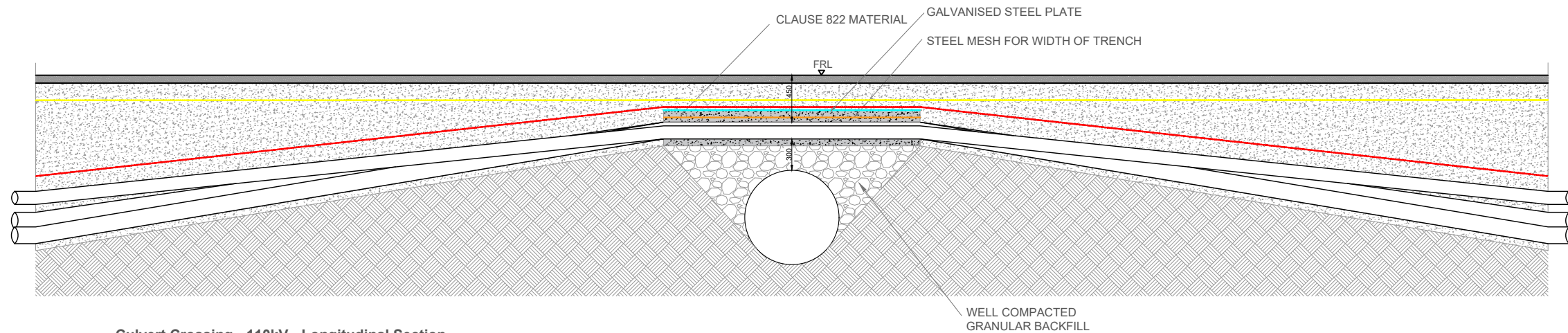
Standard Horizontal Directional Drill Under Exisitng Watercourse Crossing

SCALE 1:100

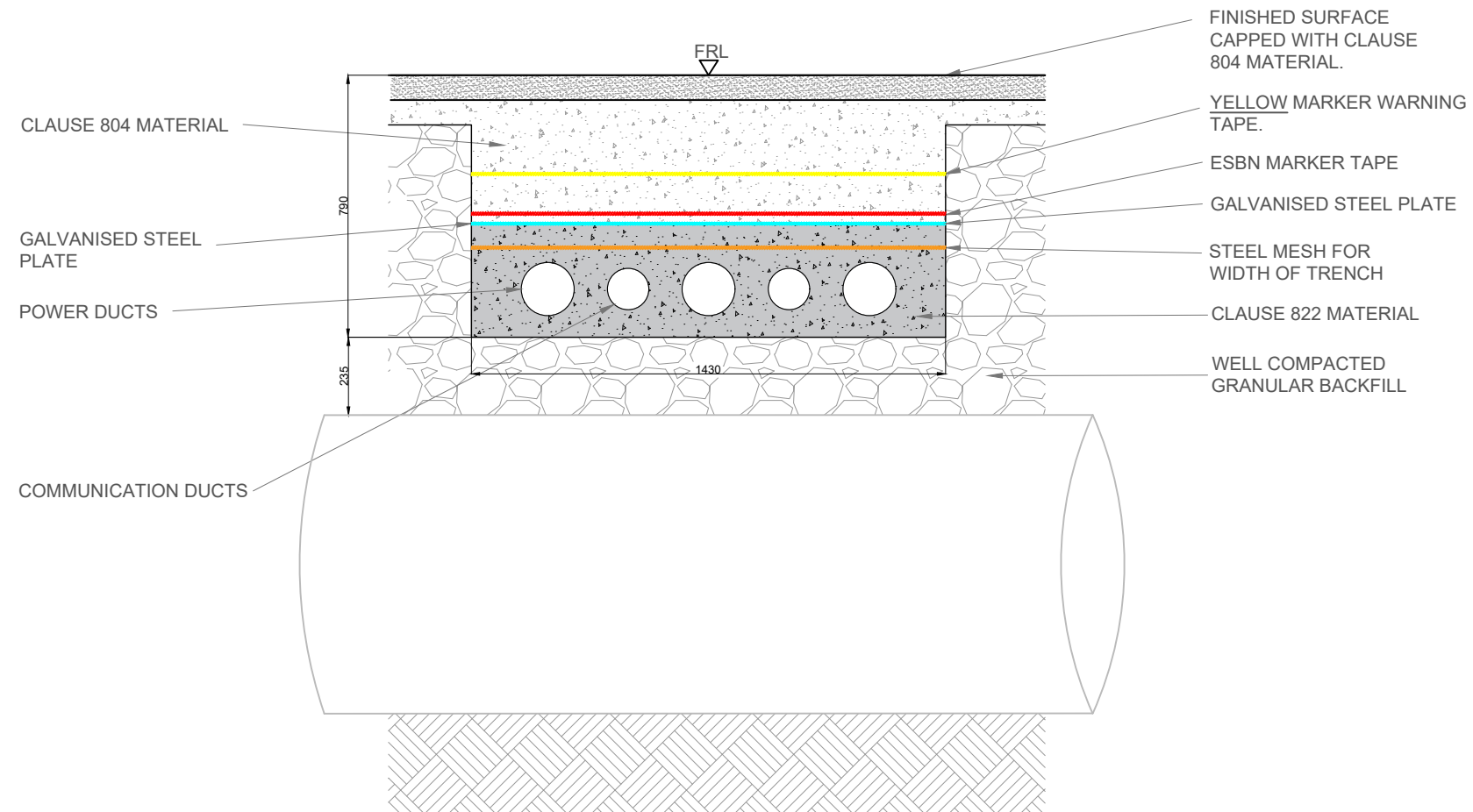
PROJECT TITLE: Cooloo Wind Farm, Co. Galway			
DRAWING TITLE: Option D - Directional Drill			
PROJECT No.: 190723	DRAWING No.: 190723 - 29	SCALE: 1: 100@ A3	
DRAWN BY: JOB	CHECKED BY: BT	DATE: 23.09.2025	REVISION.: P01



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Culvert Crossing - 110kV - Longitudinal Section
SCALE 1:50

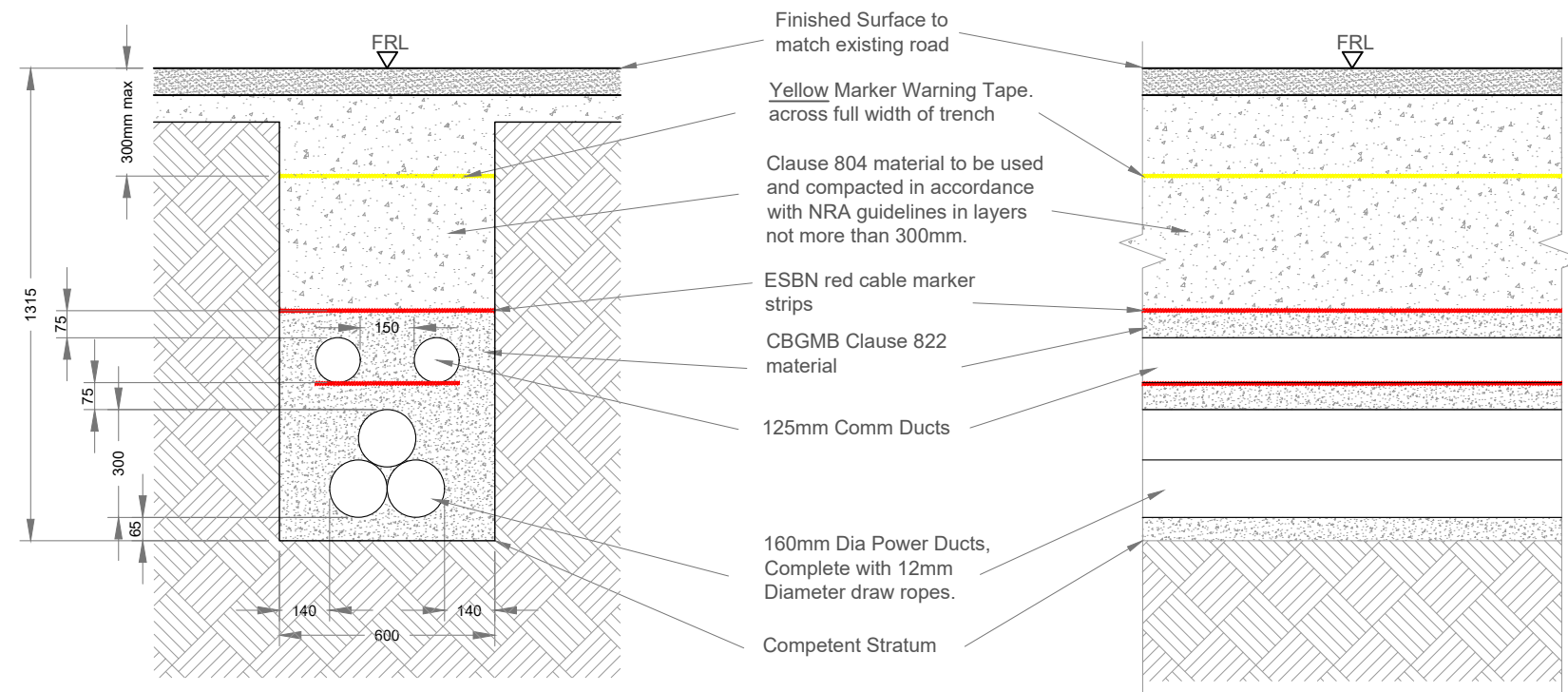


Culvert Crossing - 110kV - Cross Section
SCALE 1:20

PROJECT TITLE: Cooloo Wind Farm, Co. Galway			
DRAWING TITLE: Standard 110kV Culvert Crossing			
PROJECT No.: 190723	DRAWING No.: 190723 - 30	SCALE: As shown @ A3	
DRAWN BY: JOB	CHECKED BY: BT	DATE: 23.09.2025	REVISION.: P01

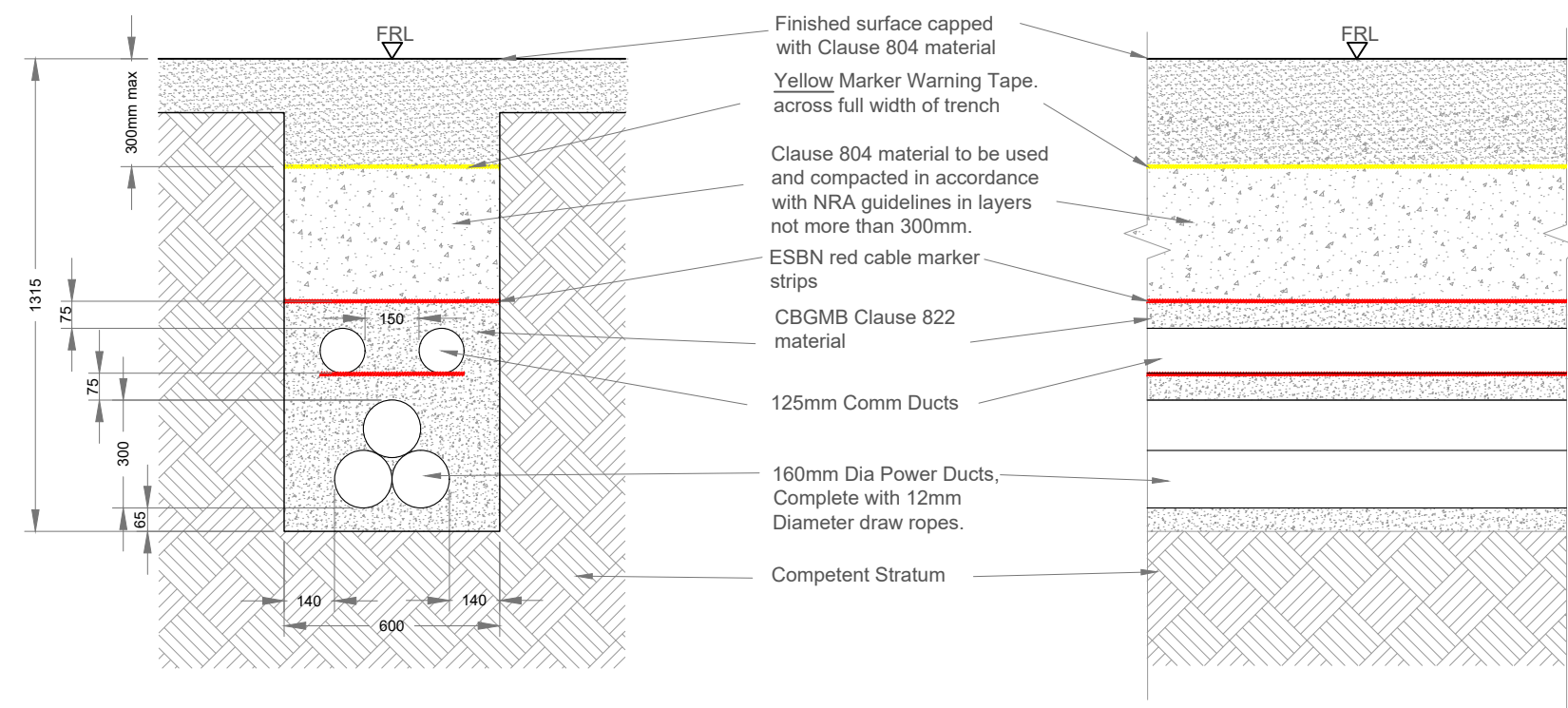


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Option A - Standard 110kV Trench Detail in Road

SCALE 1:20



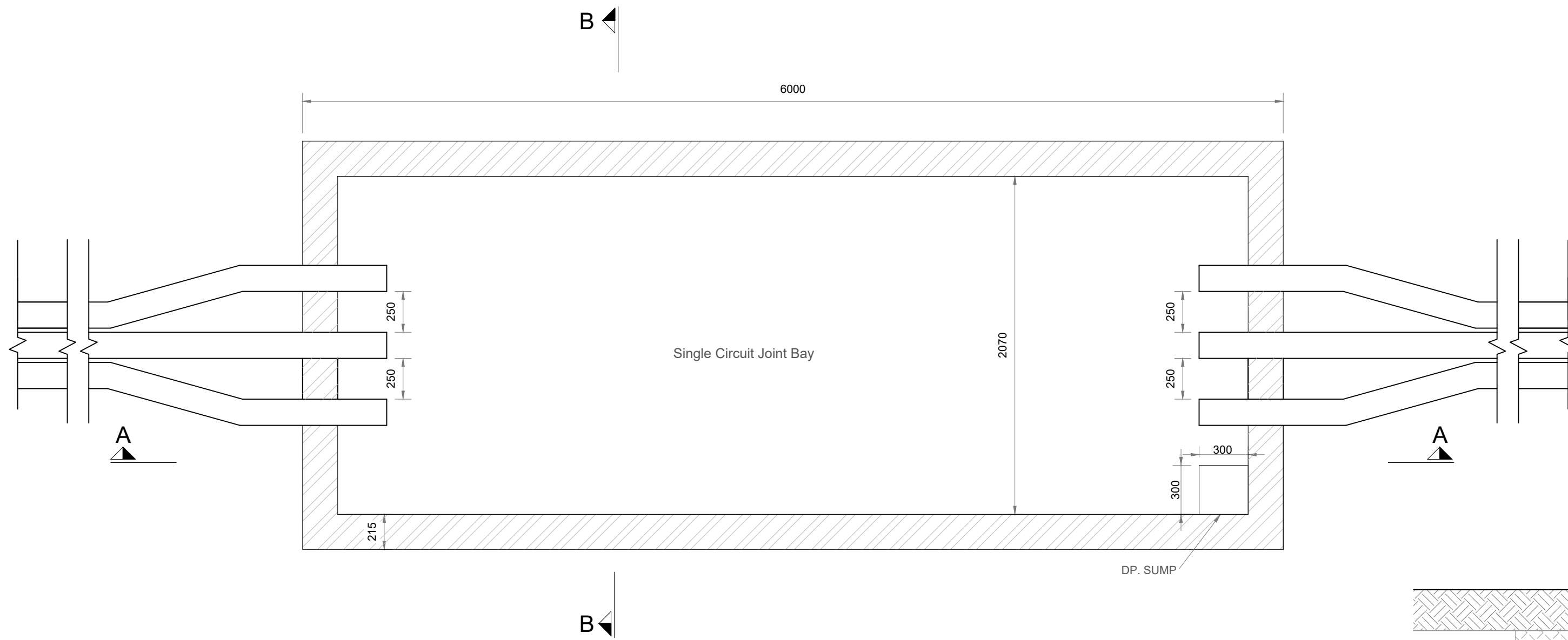
Option A - Standard 110kV Trench Detail in Off-Road

SCALE 1:20

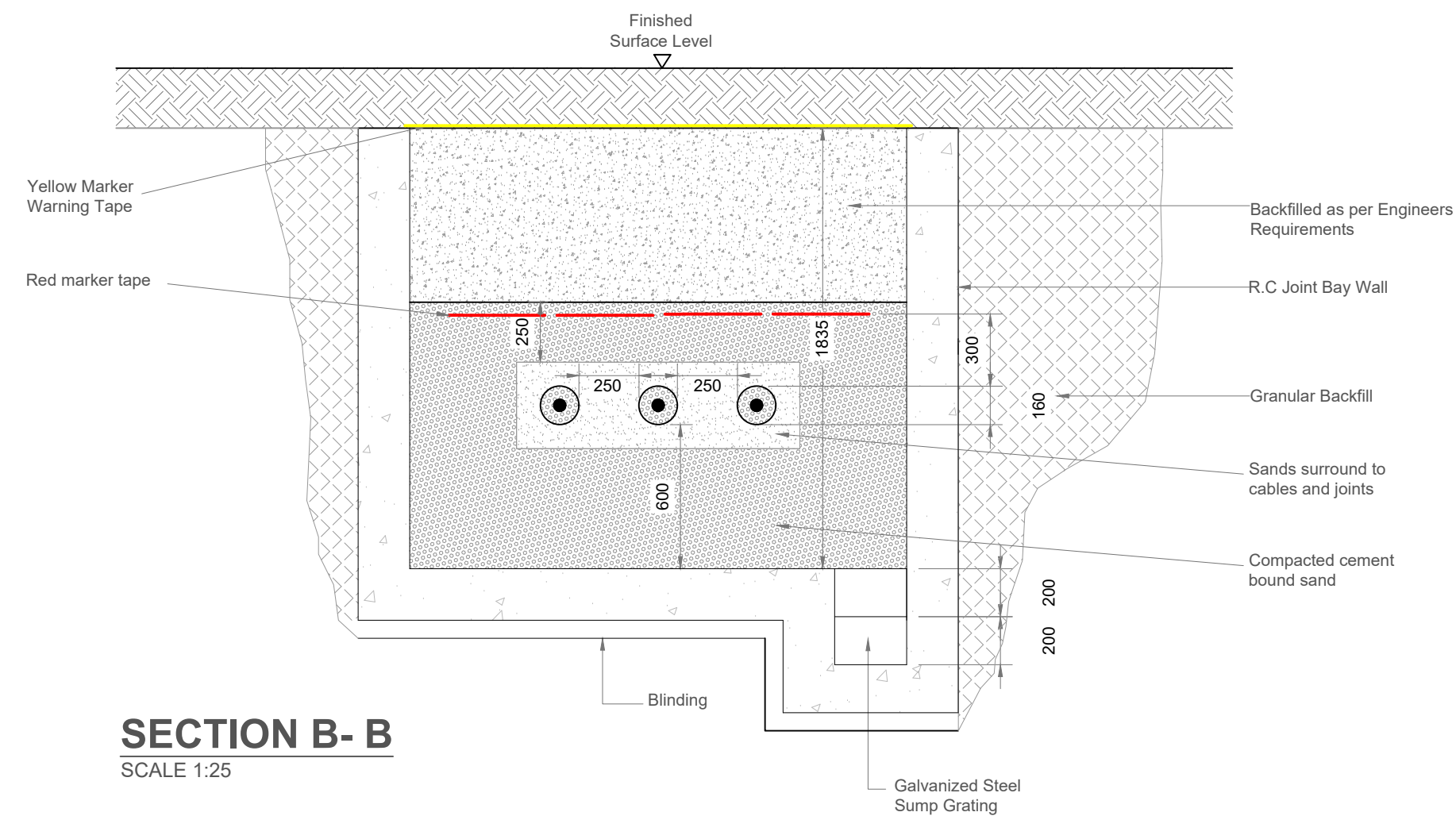
PROJECT TITLE: Cooloo Wind Farm, Co. Galway			
DRAWING TITLE: Option A - 110kV Standard Trench detail			
PROJECT No.: 190723	DRAWING No.: 190723 - 31	SCALE: 1:20 @ A3	
DRAWN BY: JOB	CHECKED BY: BT	DATE: 23.09.2025	REVISION.: P01



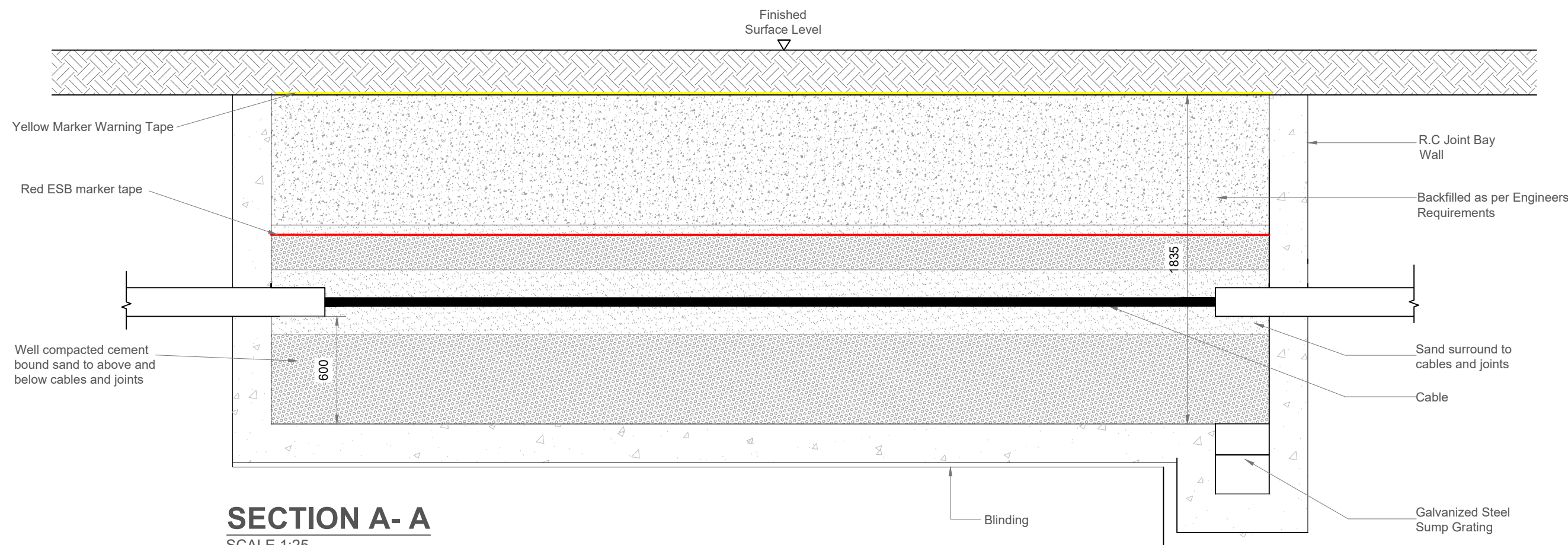
Email: info@www.mkoireland.ie /Website: www.mkoireland.ie



110kV JOINT BAY DETAIL
SCALE 1:25



SECTION B- B
SCALE 1:25



SECTION A- A
SCALE 1:25

PROJECT TITLE: Cooloo Wind Farm, Co. Galway			
DRAWING TITLE: Joint bay detail			
PROJECT No.: 190723	DRAWING No.: 190723 - 32	SCALE: 1:25 @ A2	
DRAWN BY: JOB	CHECKED BY: BT	DATE: 23.09.2025	REVISION.: P01



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Drawing Legend

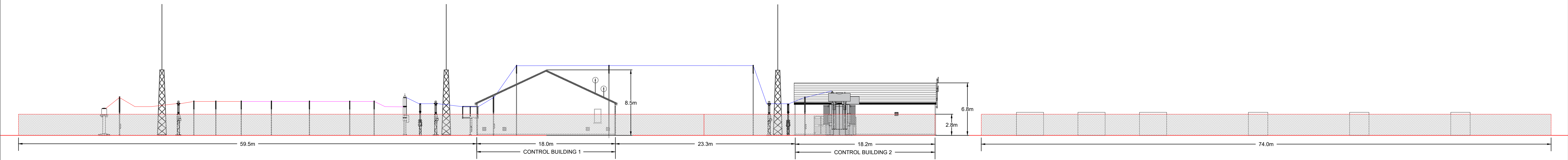
- EIAR Site Boundary
- Underground Electrical Cabling Route
- S37 Infrastructure



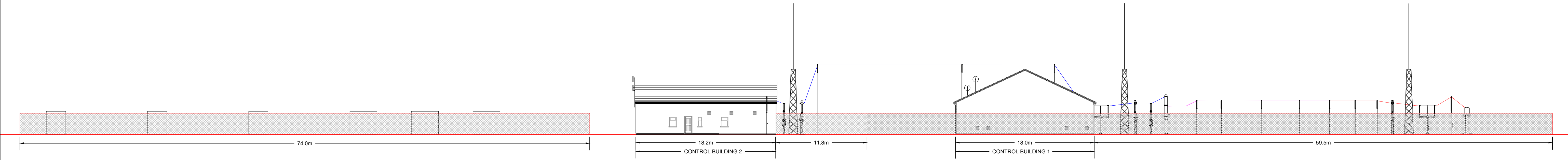
PROJECT TITLE: Cooloo Wind Farm, Co. Galway			
DRAWING TITLE: Onsite 110kV Substation Drawing Layout			
PROJECT No.: 190723	DRAWING No.: 190723 - 33	SCALE: 1:1,000 @ A3	
DRAWN BY: JOB	CHECKED BY: BT	DATE: 23.09.2025	REVISION.: P01
OS SHEET No: 2811, 2812, 2813, 2814, 2879, 2880, 2881, 2882, 2948, 2949, 2950, 2951, 3018, 3019, 3020, 3021			



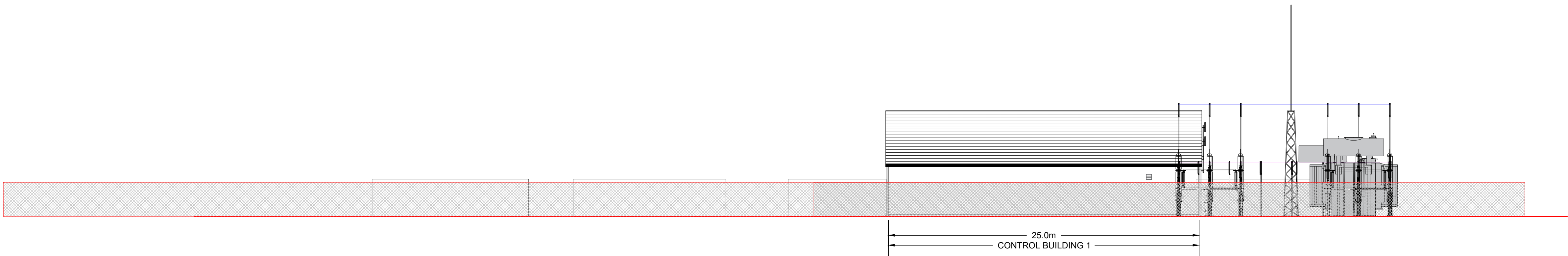
Email: info@www.mkoireland.ie / Website: www.mkoireland.ie



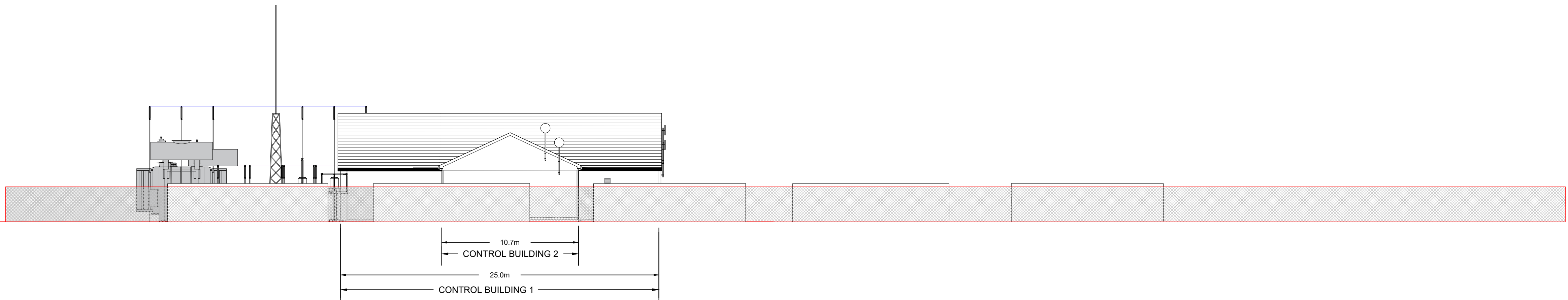
EAST ELEVATION Scale 1:250



WEST ELEVATION Scale 1:250



Scale 1:200 SOUTH ELEVATION



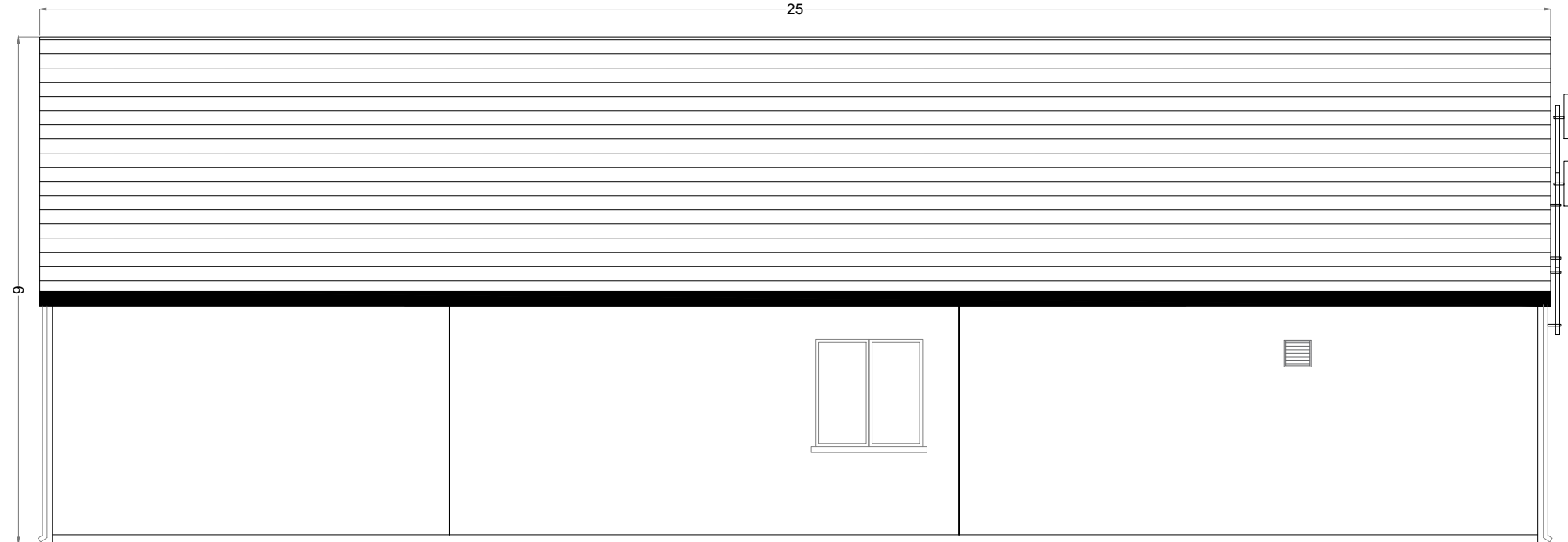
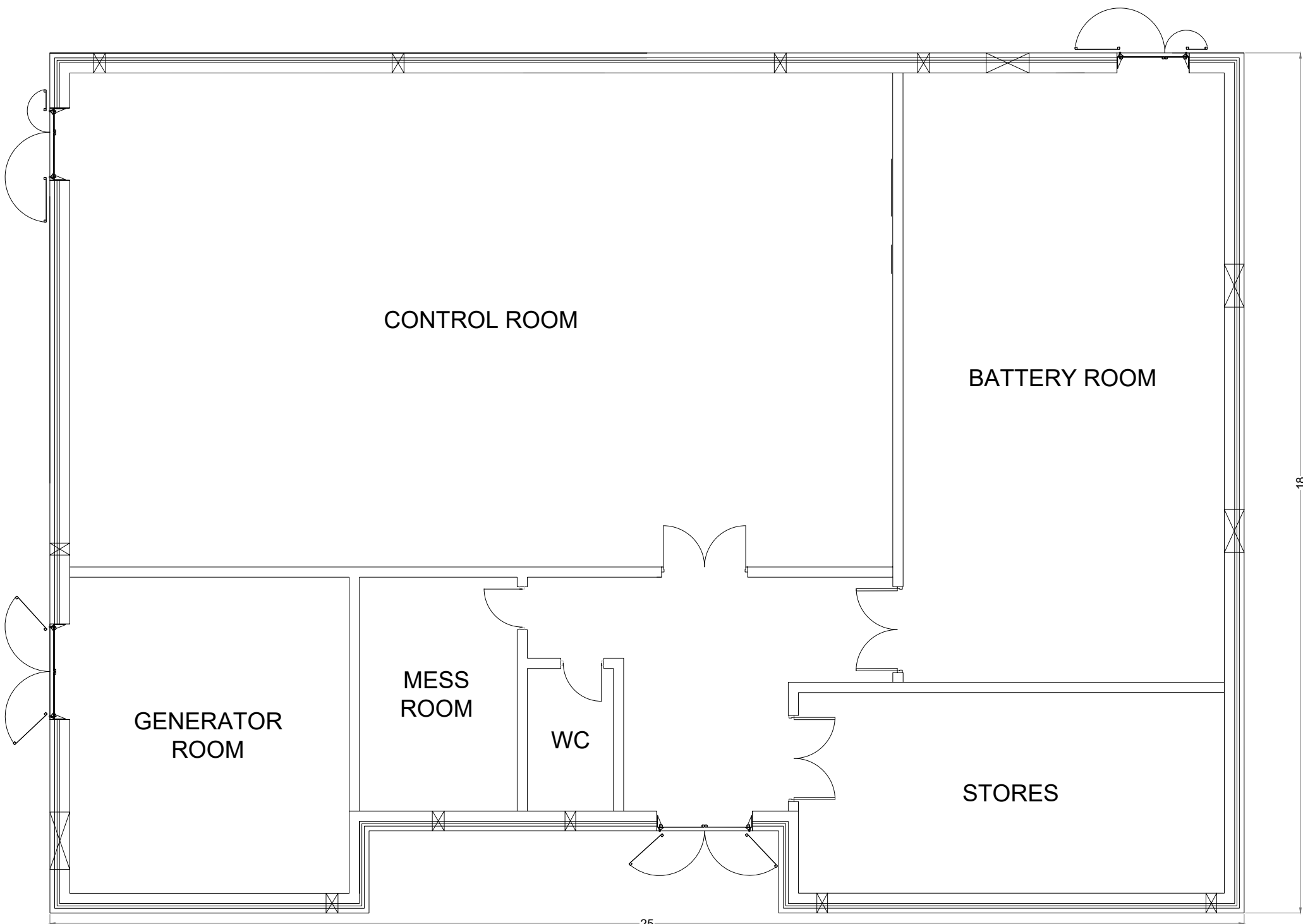
NORTH ELEVATION

Scale 1:200

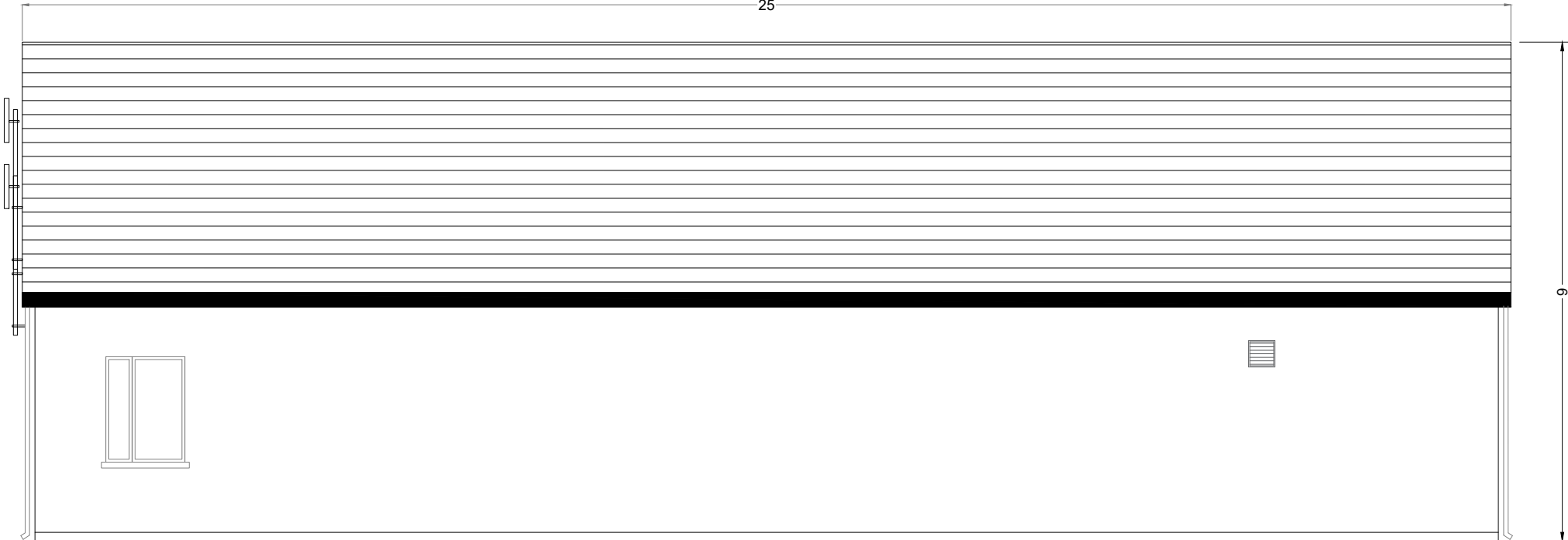
PROJECT TITLE: Cooloo Wind Farm, Co. Galway			
DRAWING TITLE: Onsite 110kV Substation Drawing Elevations			
PROJECT No.: 190723	DRAWING No.: 190723 - 34	SCALE: As Shown @ A1	
DRAWN BY: JOB	CHECKED BY: BT	DATE: 23.09.2025	REVISION.: P01



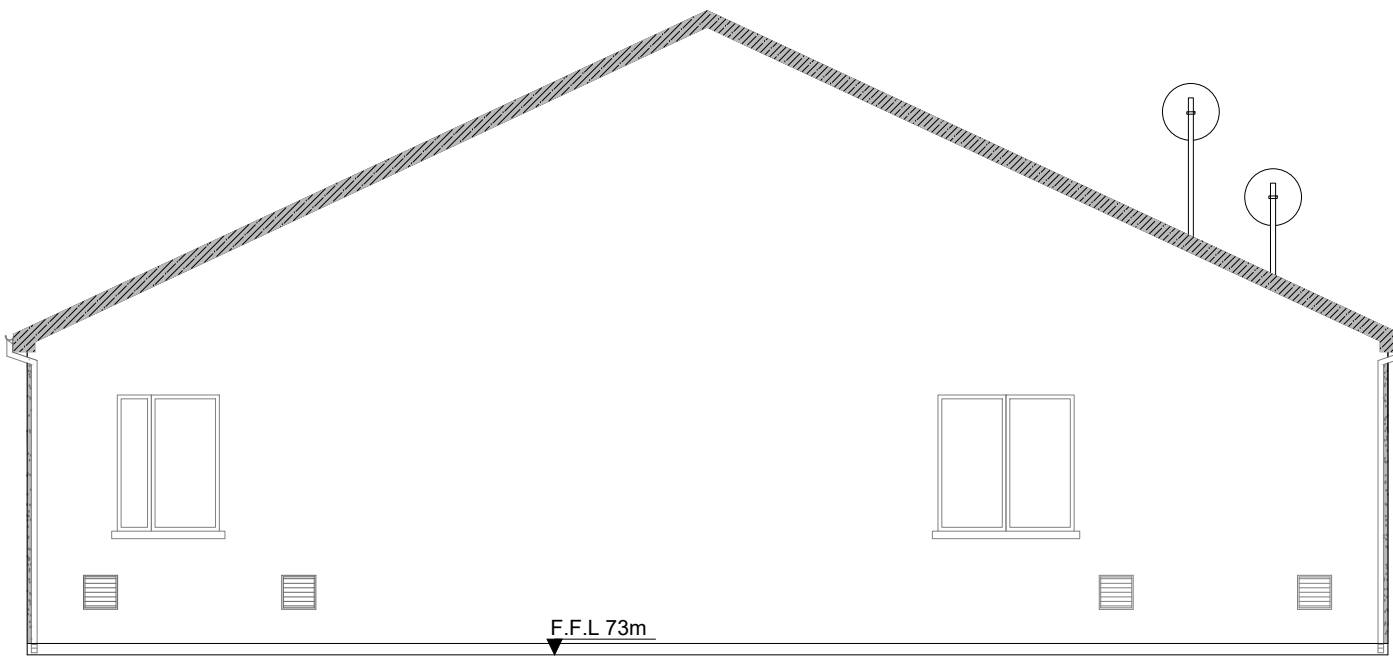
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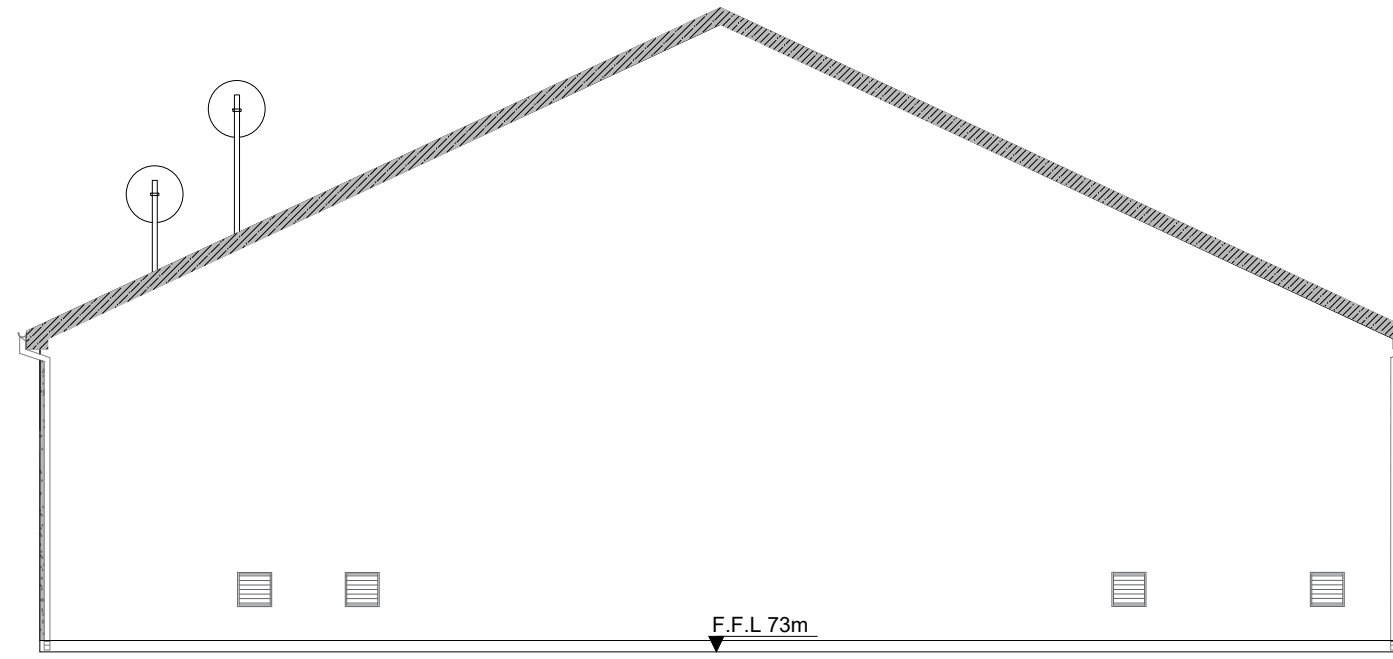
North Elevation



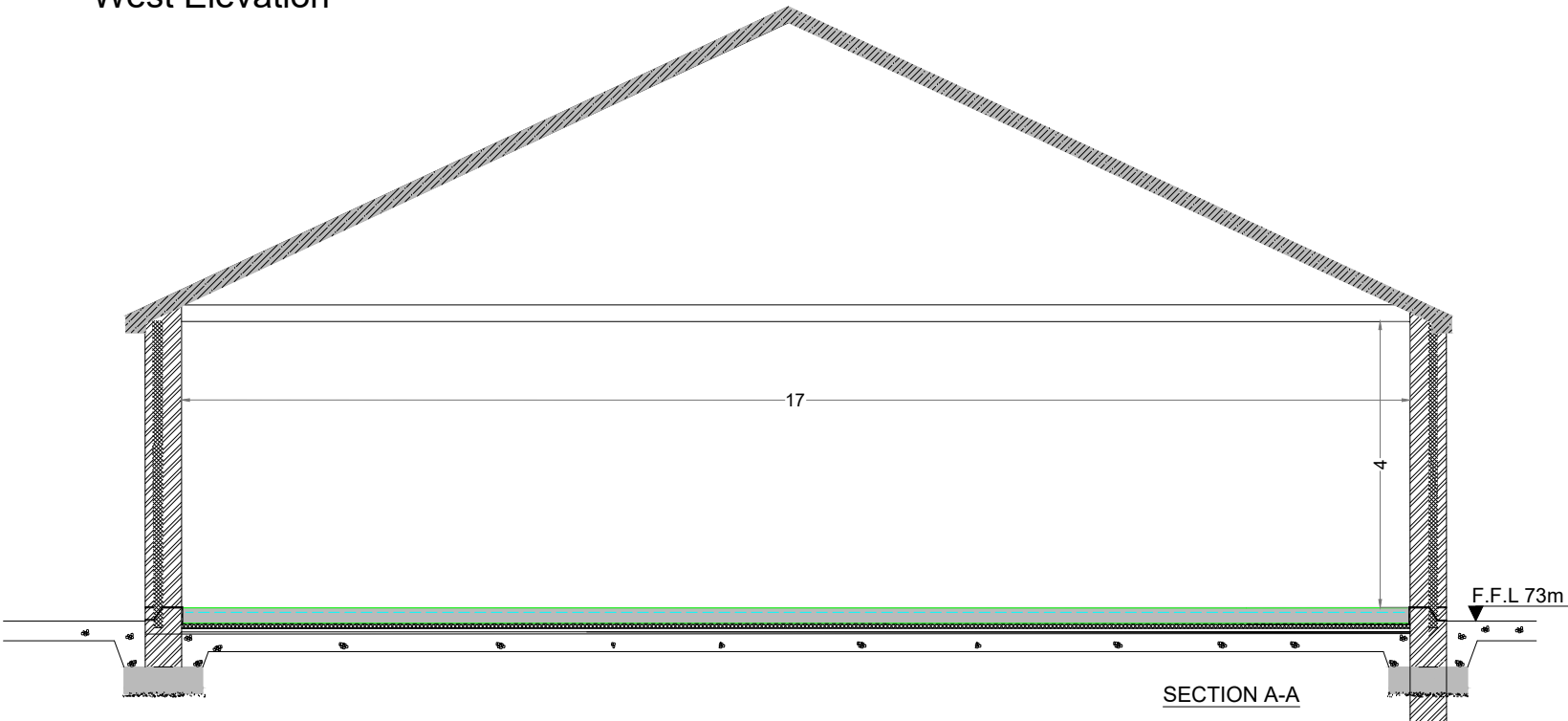
South Elevation



East Elevation



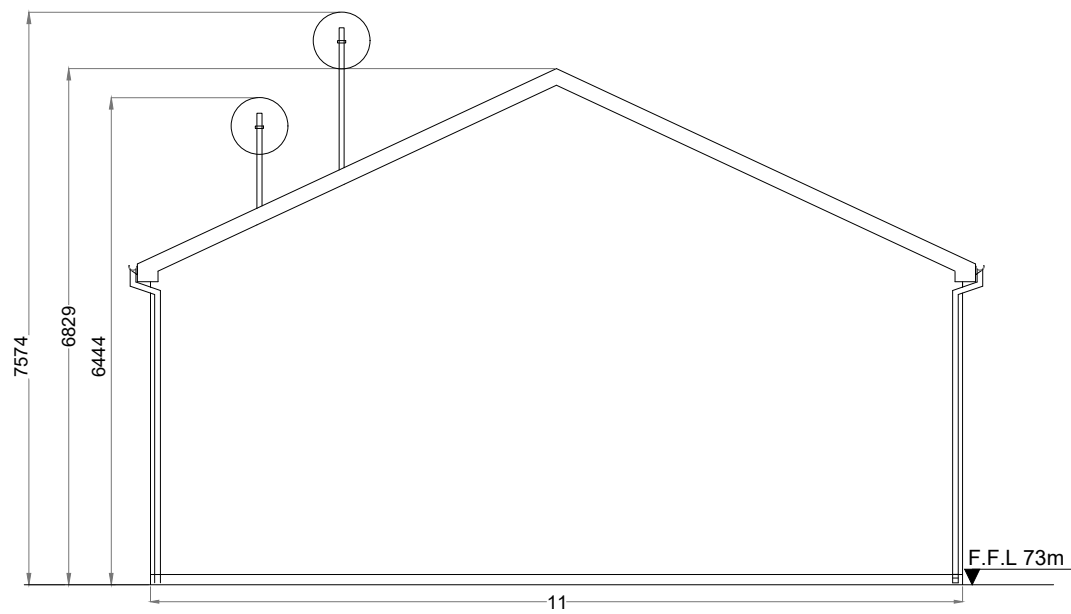
West Elevation



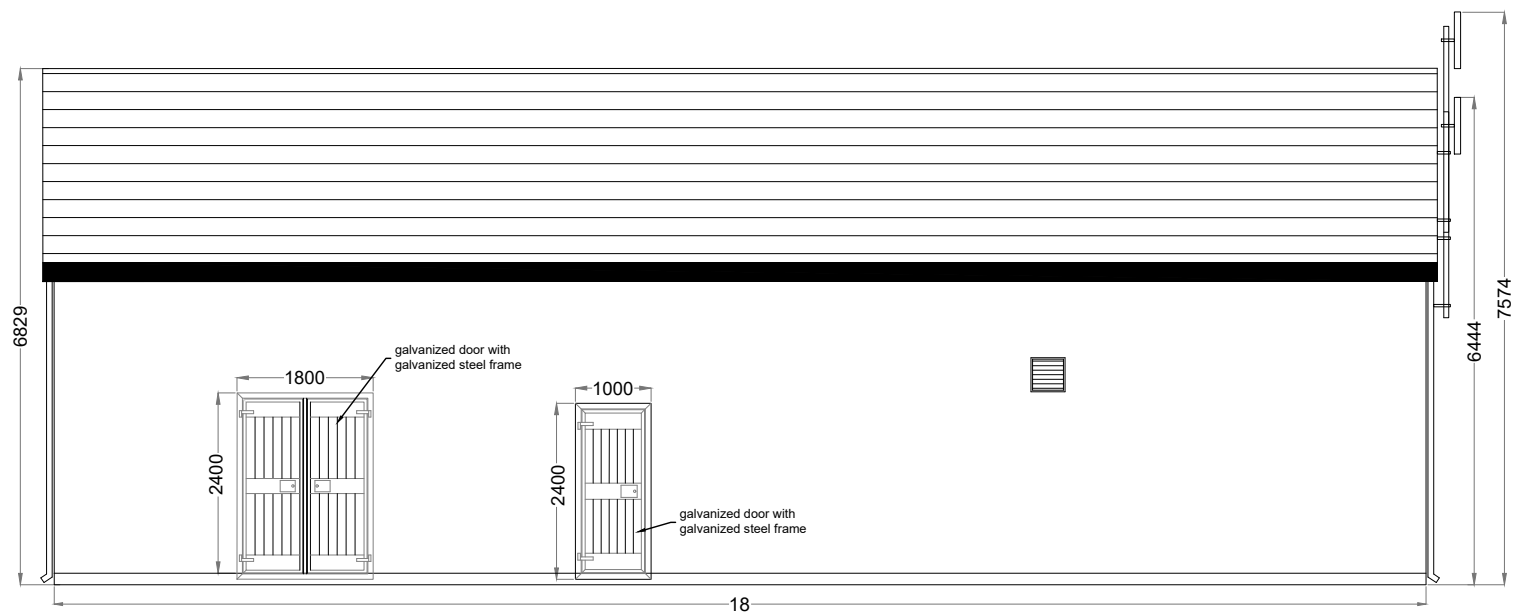
SECTION A-A

PROJECT TITLE: Cooloo Wind Farm, Co. Galway			
DRAWING TITLE: Control Building 1 Elevations & Section			
PROJECT No.: 190723	DRAWING No.: 190723 - 35	SCALE: 1:100 @ A2	
DRAWN BY: JOB	CHECKED BY: BT	DATE: 23.09.2025	REVISION: P01

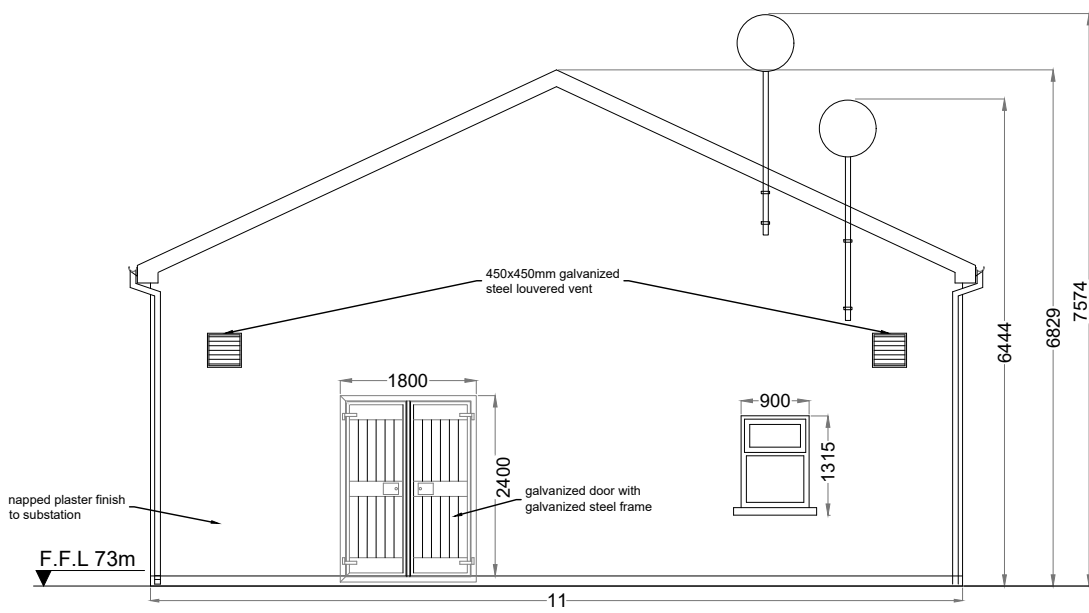




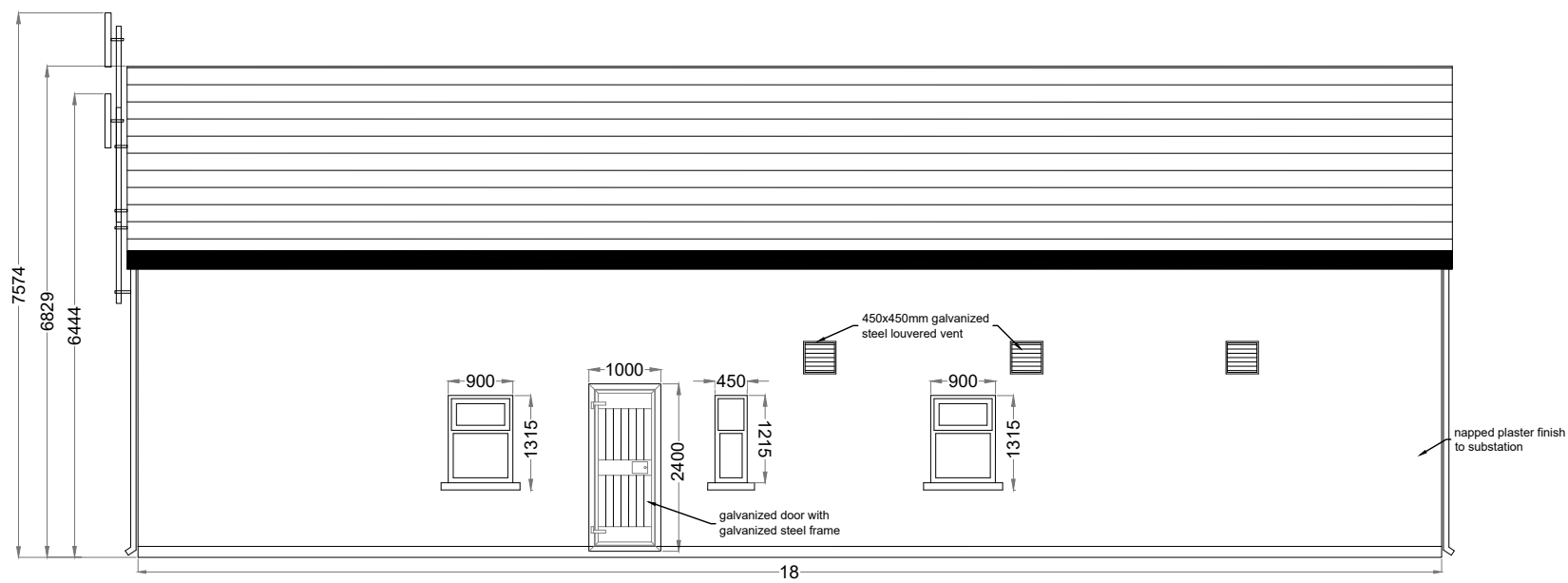
North Elevation



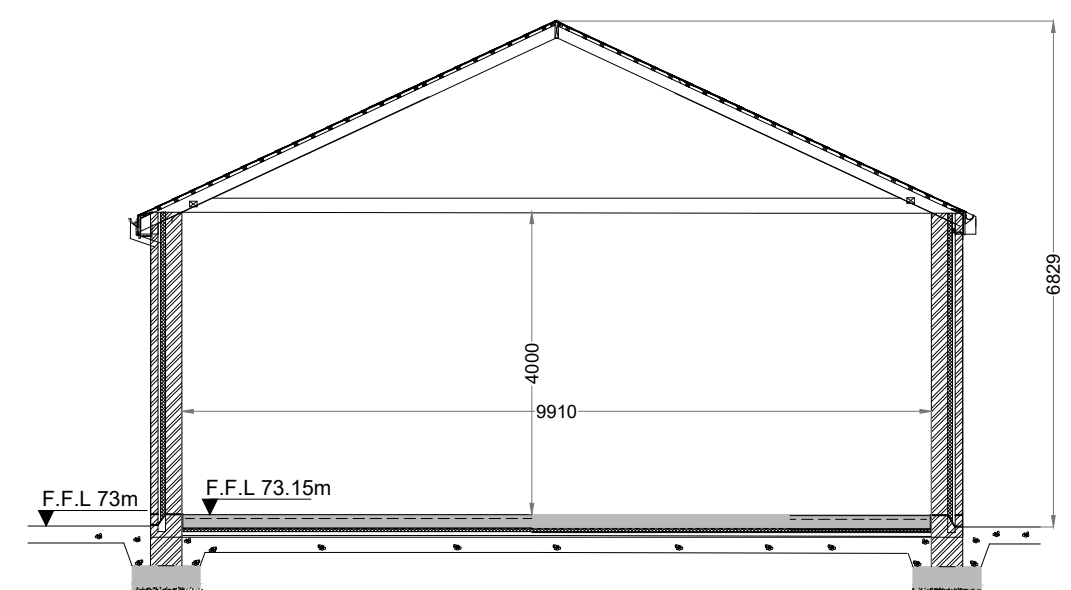
West Elevation



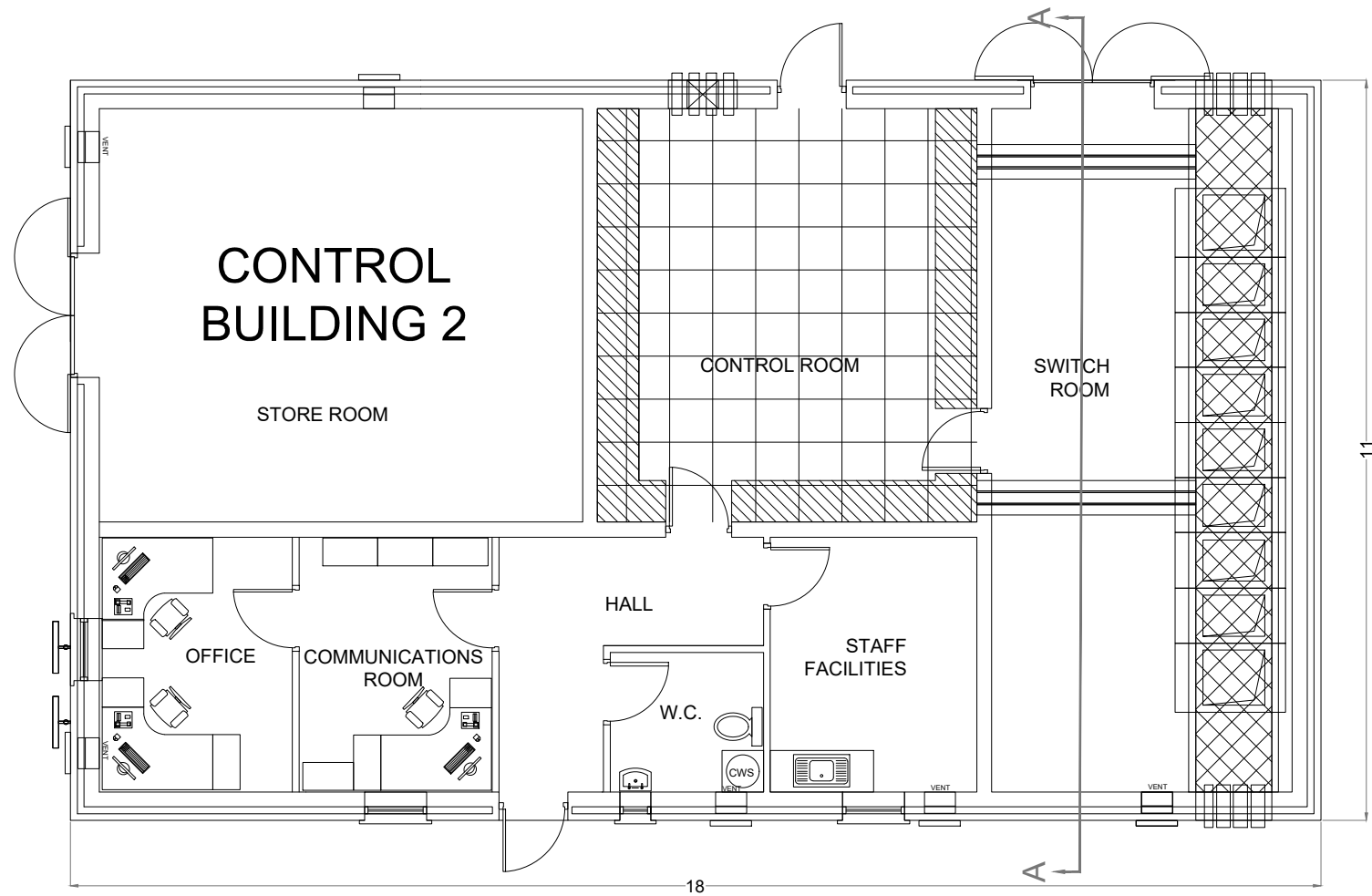
South Elevation



East Elevation



SECTION A-A



PROJECT TITLE: Cooloo Wind Farm, Co. Galway		
DRAWING TITLE: Control Building 2 Elevations & Section		
PROJECT No.: 190723	DRAWING No.: 190723 - 36	SCALE: 1:100 @ A2
DRAWN BY: JOB	CHECKED BY: BT	DATE: 23.09.2025
		REVISION.: P01

