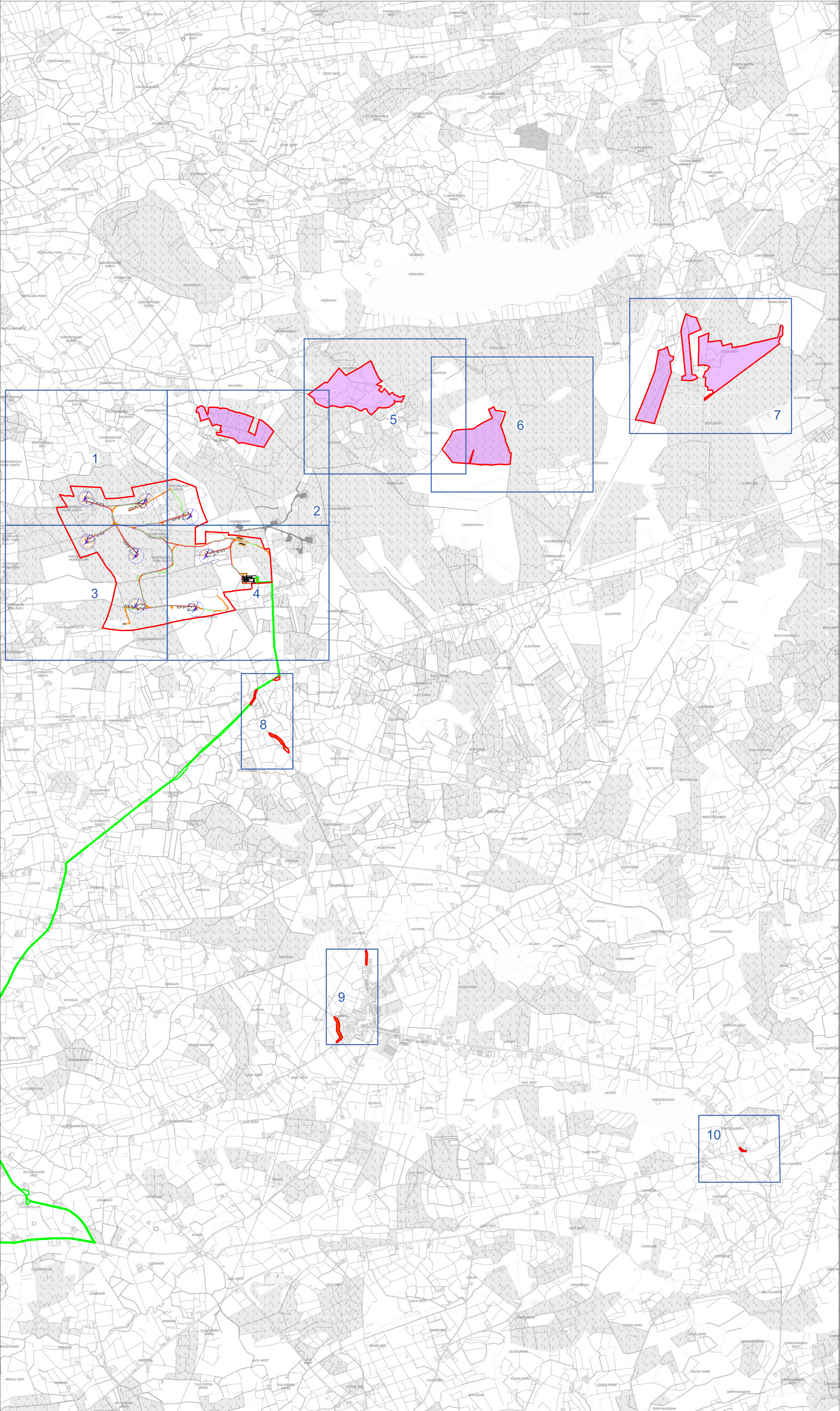




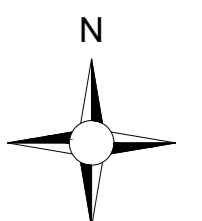
## APPENDIX 4-2

*SITE LAYOUT DRAWINGS -  
PROPOSED WIND FARM*



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  7. Layout plans show typical Turbine rotor diameter as per turbine drawing.
  8. Final levels may vary depending on local ground conditions.

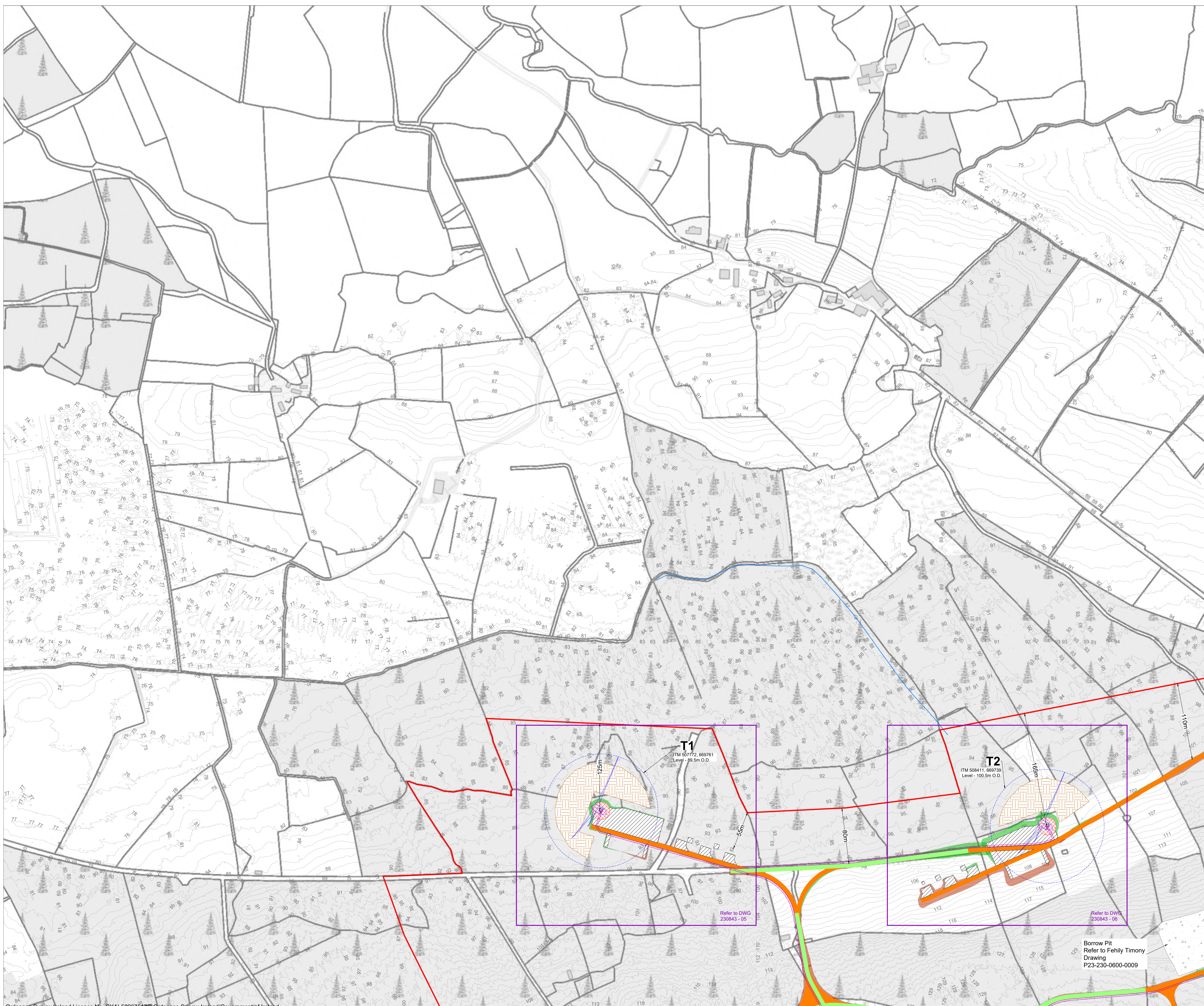
- Drawing Legend**
- Planning Application Boundary
  - Existing Road to be Upgraded
  - Proposed Road
  - Temporary Delivery Access Road
  - Electrical Cable Trench
  - Hardstand
  - Turbine Foundation
  - Turbine Sweep Area
  - Borrow Pit
  - Peat Storage
  - Biodiversity Enhancement Areas
  - Cut
  - Fill
  - Cahermurphy West 110kV Grid Connection Application Boundary



PROJECT TITLE: <b>Proposed Cahermurphy West Wind Farm, Co. Clare</b>			
DRAWING TITLE: <b>Site Layout Key Plan (1:2,500)</b>			
DRAWN BY: <b>JOB</b>	CHECKED BY: <b>AC</b>	DATE: <b>16.03.2026</b>	REVISION: <b>D01</b>
PROJECT No.: <b>230843</b>		DRAWING No.: <b>230843 - 04</b>	
SCALE: <b>1:20,000 @ A1</b>		OS SHEET No: 4373, 4374, 4375, 4431, 4432, 4433, 4490, 4491, 4492, 4550, 4551, 4552, 4609, 4610, 4611	

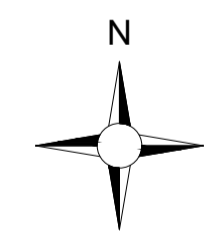


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  7. Layout plans show typical Turbine rotor diameter as per turbine drawing.
  8. Final levels may vary depending on local ground conditions.

- Drawing Legend**
- Planning Application Boundary
  - Existing Road to be Upgraded
  - Proposed Road
  - Electrical Cable Trench
  - Watercourse
  - Hardstand
  - Turbine Foundation
  - Turbine Sweep Area
  - Borrow Pit
  - Peat Storage
  - Cut
  - Fill



PROJECT TITLE: <b>Proposed Cahermurphy West Wind Farm, Co. Clare</b>		
DRAWING TITLE: <b>Site Layout Plan Sheet 1 of 10</b>		
PROJECT No.: <b>230843</b>	DRAWING No.: <b>230843 - 04A</b>	SCALE: <b>1:2,500 @ A1</b>
DRAWN BY: <b>JOB</b>	CHECKED BY: <b>AC</b>	DATE: <b>11.03.2026</b>
		REVISION: <b>D01</b>
OS SHEET No.: 4373, 4374, 4375, 4431, 4432, 4433, 4490, 4491, 4492, 4550, 4551, 4552, 4609, 4610, 4611		

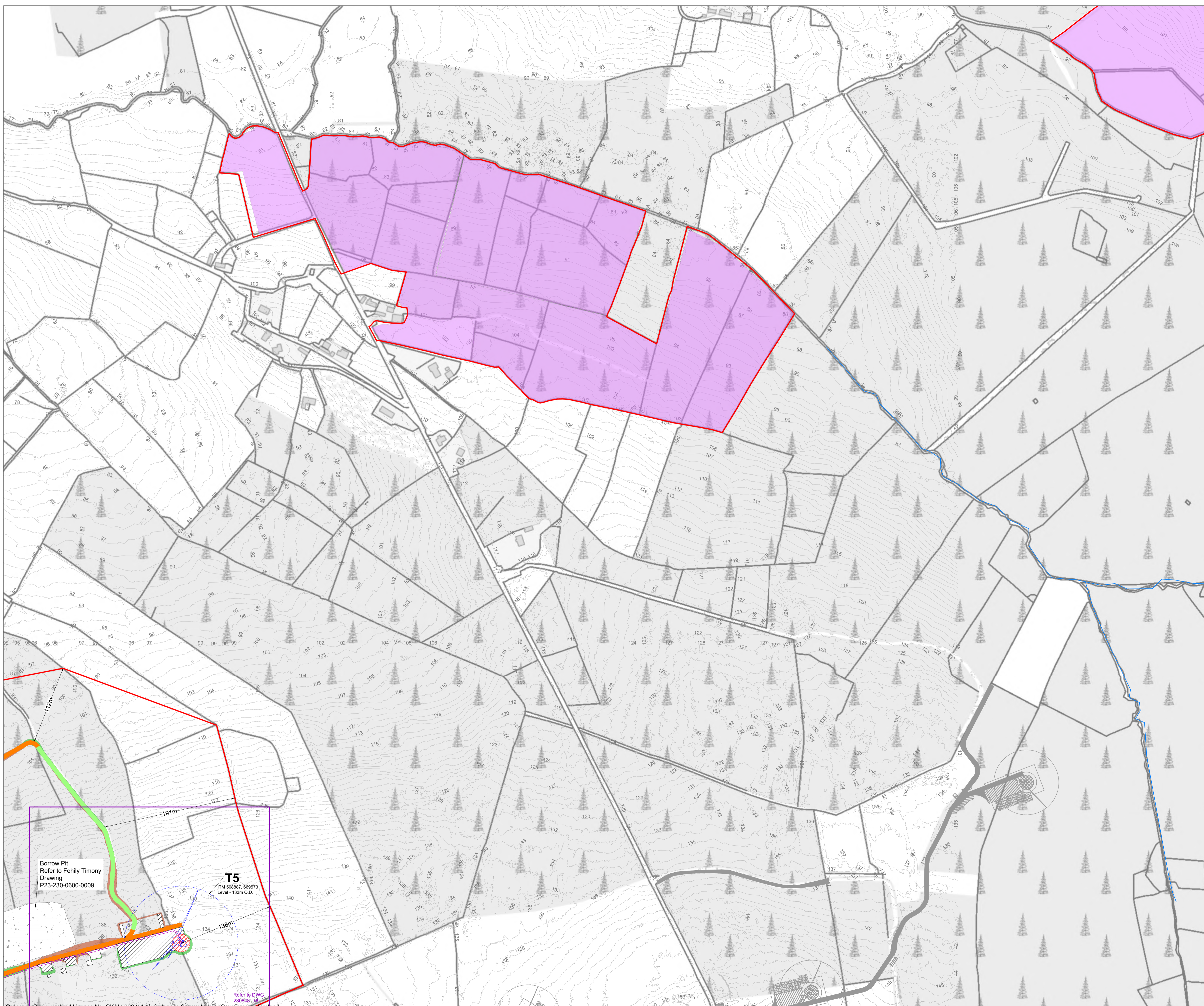


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Borrow Pit  
Refer to Fehily Timony  
Drawing  
P23-230-0600-0009

Refer to DWG  
230843 - 05

Refer to DWG  
230843 - 06



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  7. Layout plans show typical Turbine rotor diameter as per turbine drawing.
  8. Final levels may vary depending on local ground conditions.

- Drawing Legend**
- Planning Application Boundary
  - Existing Road to be Upgraded
  - Proposed Road
  - - - - - Electrical Cable Trench
  - Watercourse
  - ▨ Hardstand
  - Turbine Foundation
  - Turbine Sweep Area
  - ⊘ Borrow Pit
  - Biodiversity Enhancement Areas
  - Cut
  - Fill

PROJECT TITLE: **Proposed Cahermurphy West Wind Farm, Co. Clare**

DRAWING TITLE: **Site Layout Plan Sheet 2 of 10**

PROJECT No.: <b>230843</b>	DRAWING No.: <b>230843 - 04B</b>	SCALE: <b>1:2,500 @ A1</b>
DRAWN BY: <b>JOB</b>	CHECKED BY: <b>AC</b>	DATE: <b>11.03.2026</b>
		REVISION: <b>D01</b>

OS SHEET No.: 4373, 4374, 4375, 4431, 4432, 4433, 4490, 4491, 4492, 4550, 4551, 4552, 4609, 4610, 4611

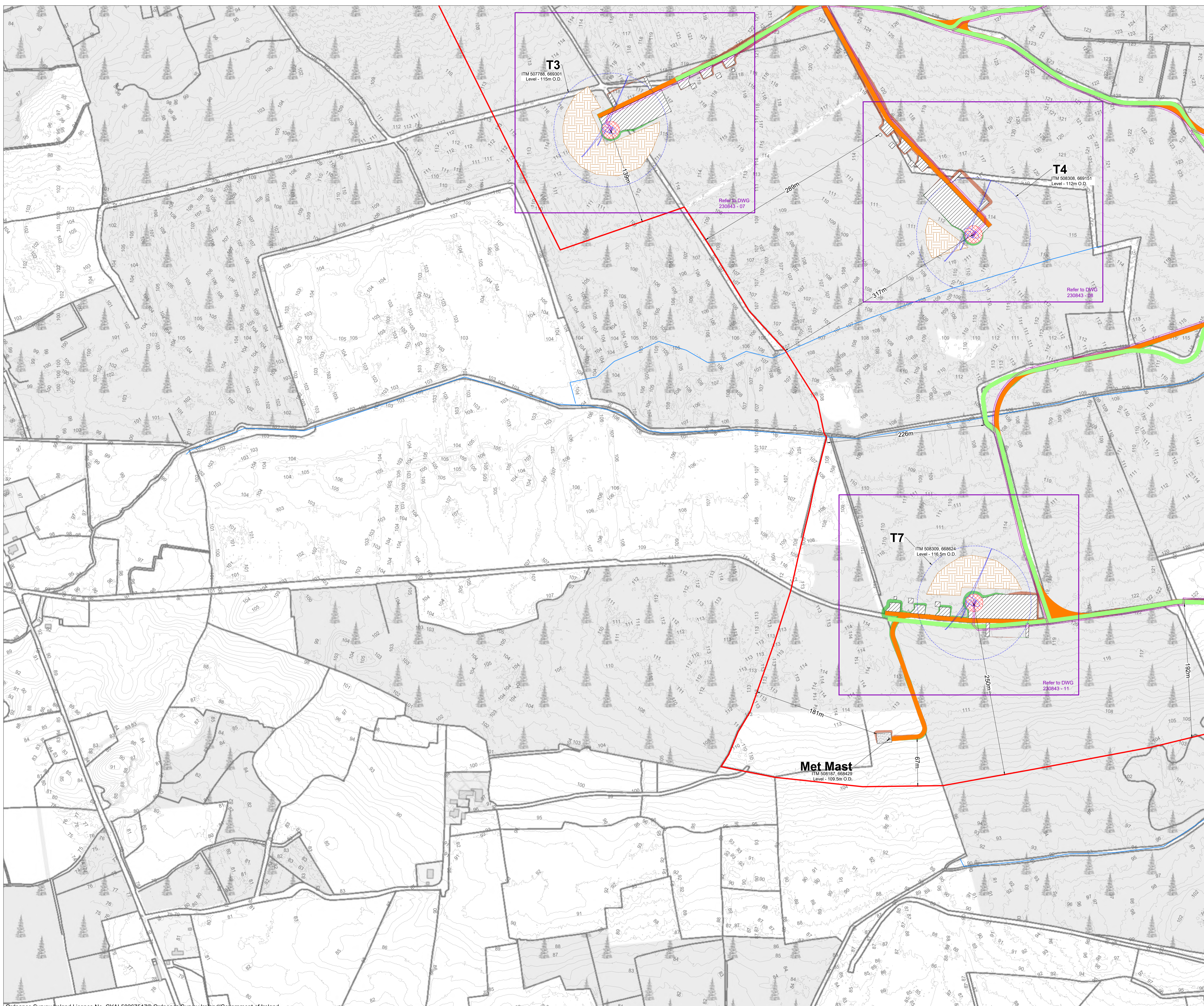
Borrow Pit Refer to Fehily Timony Drawing P23-230-0600-0009

**T5**  
ITM 508887, 669573  
Level - 133m O.D.

112m  
191m  
139m

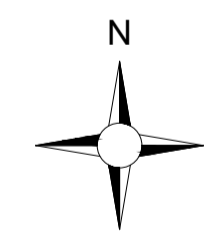
Refer to DWG 230843 - 04B





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  7. Layout plans show typical Turbine rotor diameter as per turbine drawing.
  8. Final levels may vary depending on local ground conditions.

- Drawing Legend**
- Planning Application Boundary
  - Existing Road to be Upgraded
  - Proposed Road
  - Electrical Cable Trench
  - Watercourse
  - Hardstand
  - Turbine Foundation
  - Turbine Sweep Area
  - Borrow Pit
  - Peat Storage
  - Cut
  - Fill



PROJECT TITLE: **Proposed Cahermurphy West Wind Farm, Co. Clare**

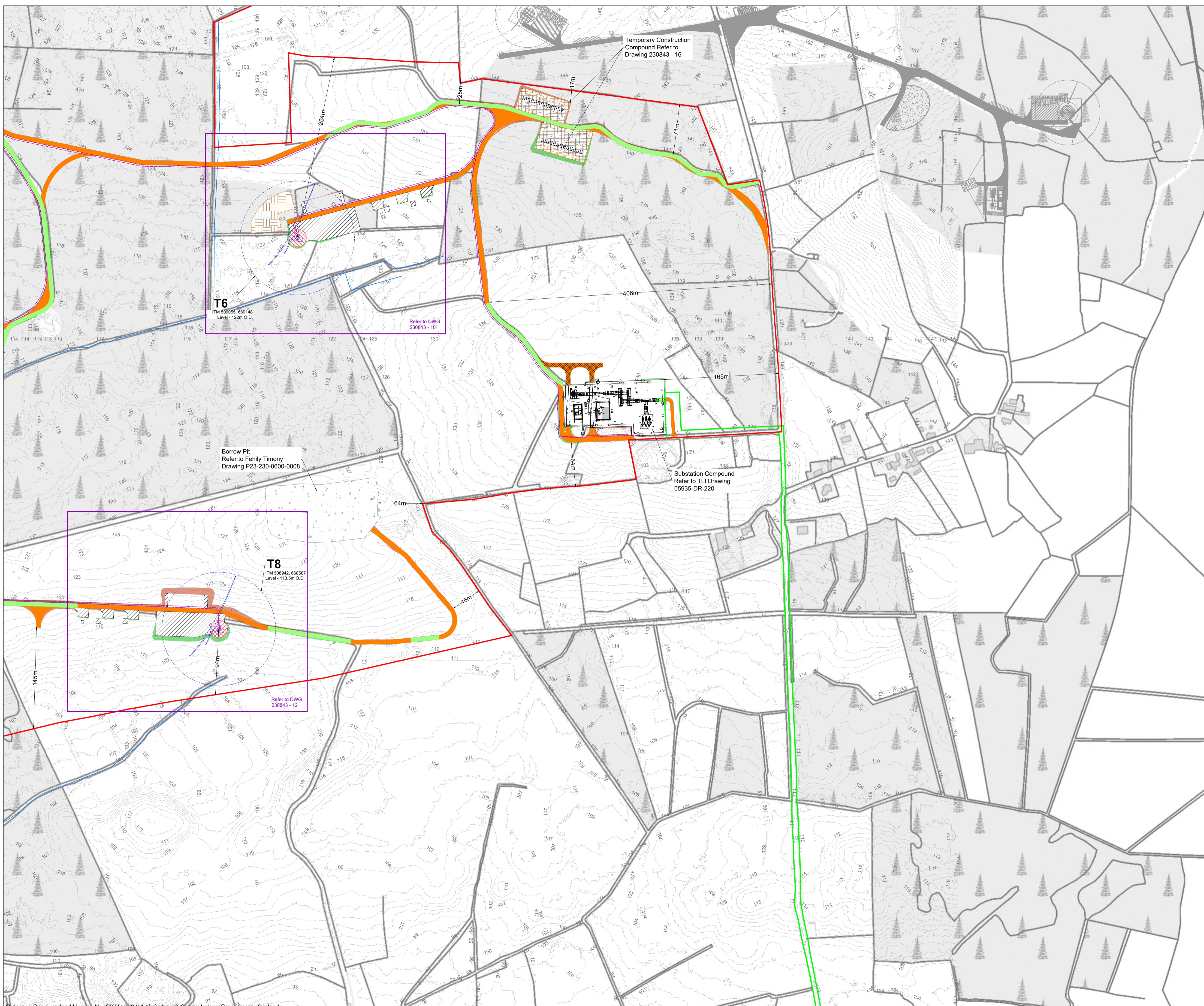
DRAWING TITLE: **Site Layout Plan Sheet 3 of 10**

PROJECT No.: <b>230843</b>	DRAWING No.: <b>230843 - 04C</b>	SCALE: <b>1:2,500 @ A1</b>
DRAWN BY: <b>JOB</b>	CHECKED BY: <b>AC</b>	DATE: <b>16.03.2026</b>
		REVISION: <b>D01</b>

OS SHEET No.: 4373, 4374, 4375, 4431, 4432, 4433, 4490, 4491, 4492, 4550, 4551, 4552, 4609, 4610, 4611

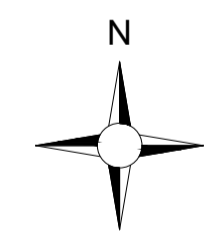


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  7. Layout plans show typical Turbine rotor diameter as per turbine drawing.
  8. Final levels may vary depending on local ground conditions.

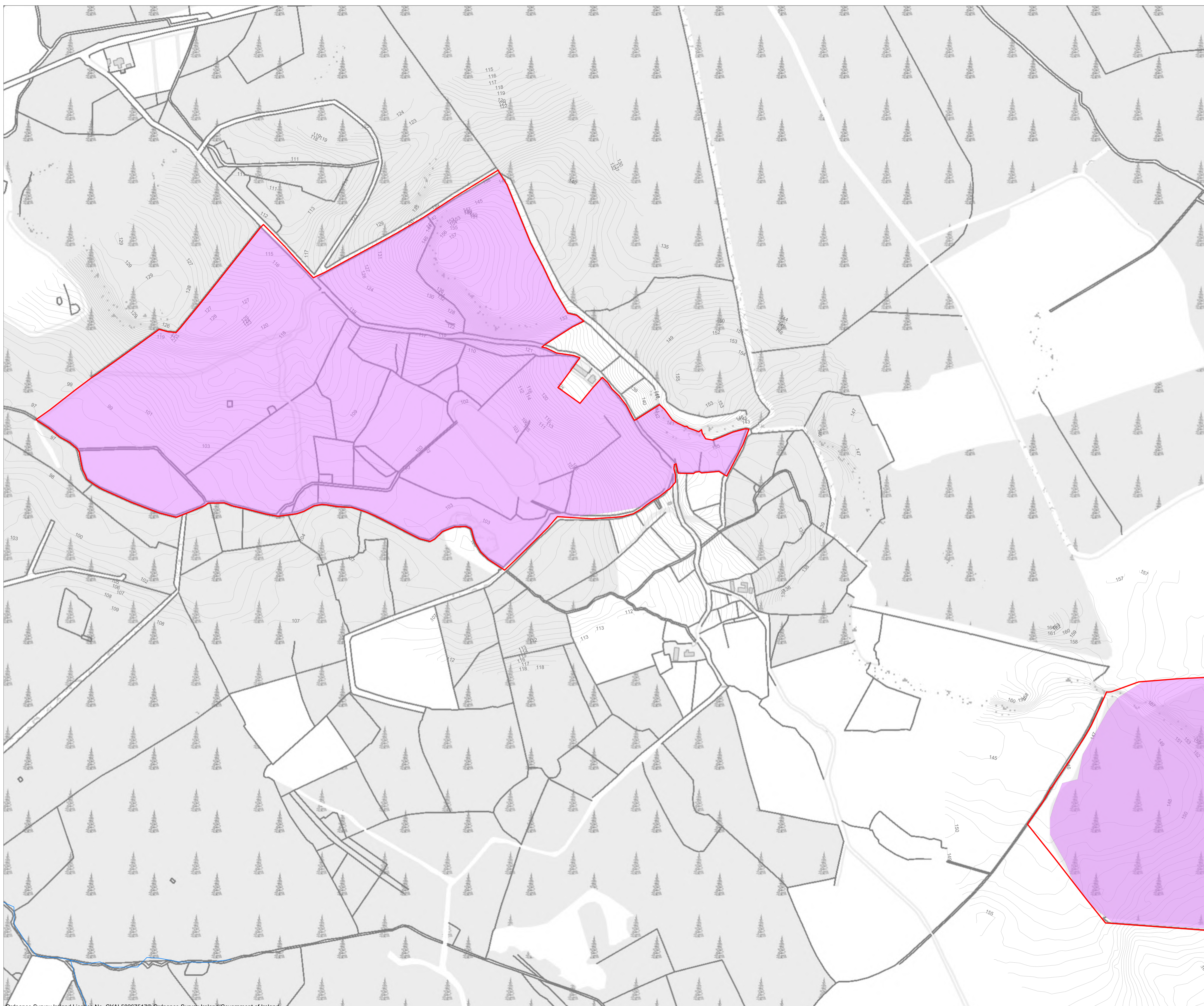
- Drawing Legend**
- Planning Application Boundary
  - Existing Road to be Upgraded
  - Proposed Road
  - Temporary Delivery Access Road
  - Electrical Cable Trench
  - Watercourse
  - Hardstand
  - Turbine Foundation
  - Turbine Sweep Area
  - Borrow Pit
  - Peat Storage
  - Biodiversity Enhancement Areas
  - Cahermurphy West 110kV Grid Connection Application Boundary



PROJECT TITLE: <b>Proposed Cahermurphy West Wind Farm, Co. Clare</b>		
DRAWING TITLE: <b>Site Layout Plan Sheet 4 of 10</b>		
PROJECT No.: <b>230843</b>	DRAWING No.: <b>230843 - 04D</b>	SCALE: <b>1:2,500 @ A1</b>
DRAWN BY: <b>JOB</b>	CHECKED BY: <b>AC</b>	DATE: <b>16.03.2026</b>
		REVISION: <b>D01</b>
OS SHEET No.: 4373, 4374, 4375, 4431, 4432, 4433, 4490, 4491, 4492, 4550, 4551, 4552, 4609, 4610, 4611		

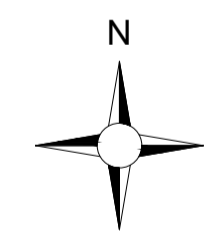


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  7. Layout plans show typical Turbine rotor diameter as per turbine drawing.
  8. Final levels may vary depending on local ground conditions.

- Drawing Legend**
- Planning Application Boundary
  - Biodiversity Enhancement Areas
  - Watercourse



PROJECT TITLE: **Proposed Cahermurphy West Wind Farm, Co. Clare**

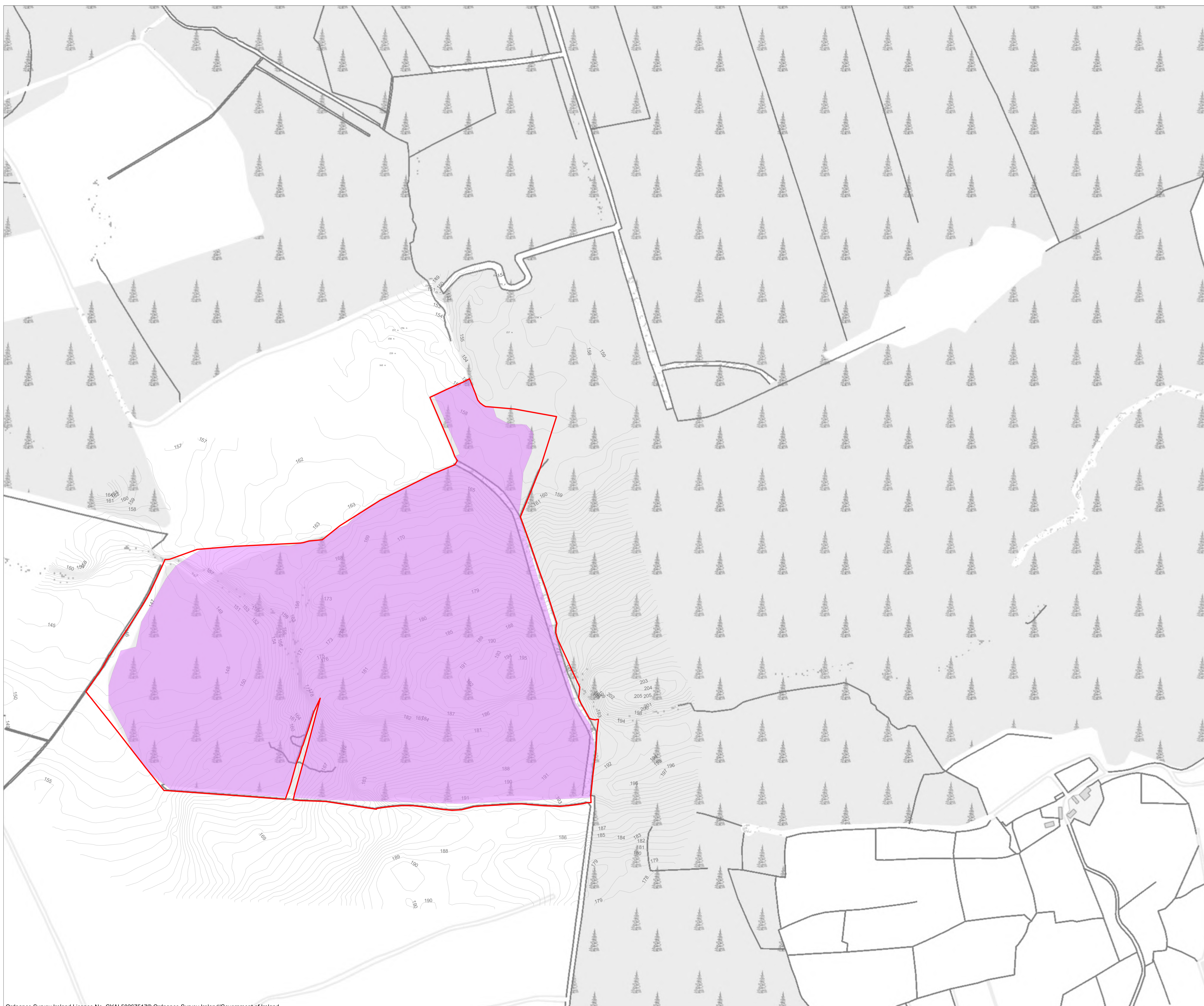
DRAWING TITLE: **Site Layout Plan Sheet 5 of 10**

PROJECT No.: <b>230843</b>	DRAWING No.: <b>230843 - 04E</b>	SCALE: <b>1:2,500 @ A1</b>
DRAWN BY: <b>JOB</b>	CHECKED BY: <b>AC</b>	DATE: <b>11.03.2026</b>
		REVISION: <b>D01</b>

OS SHEET No.: 4373, 4374, 4375, 4431, 4432, 4433, 4490, 4491, 4492, 4550, 4551, 4552, 4609, 4610, 4611

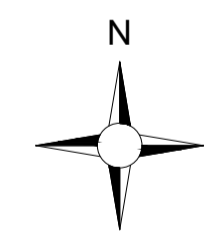


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  7. Layout plans show typical Turbine rotor diameter as per turbine drawing.
  8. Final levels may vary depending on local ground conditions.

- Drawing Legend**
- Planning Application Boundary
  - Biodiversity Enhancement Areas



PROJECT TITLE: **Proposed Cahermurphy West Wind Farm, Co. Clare**

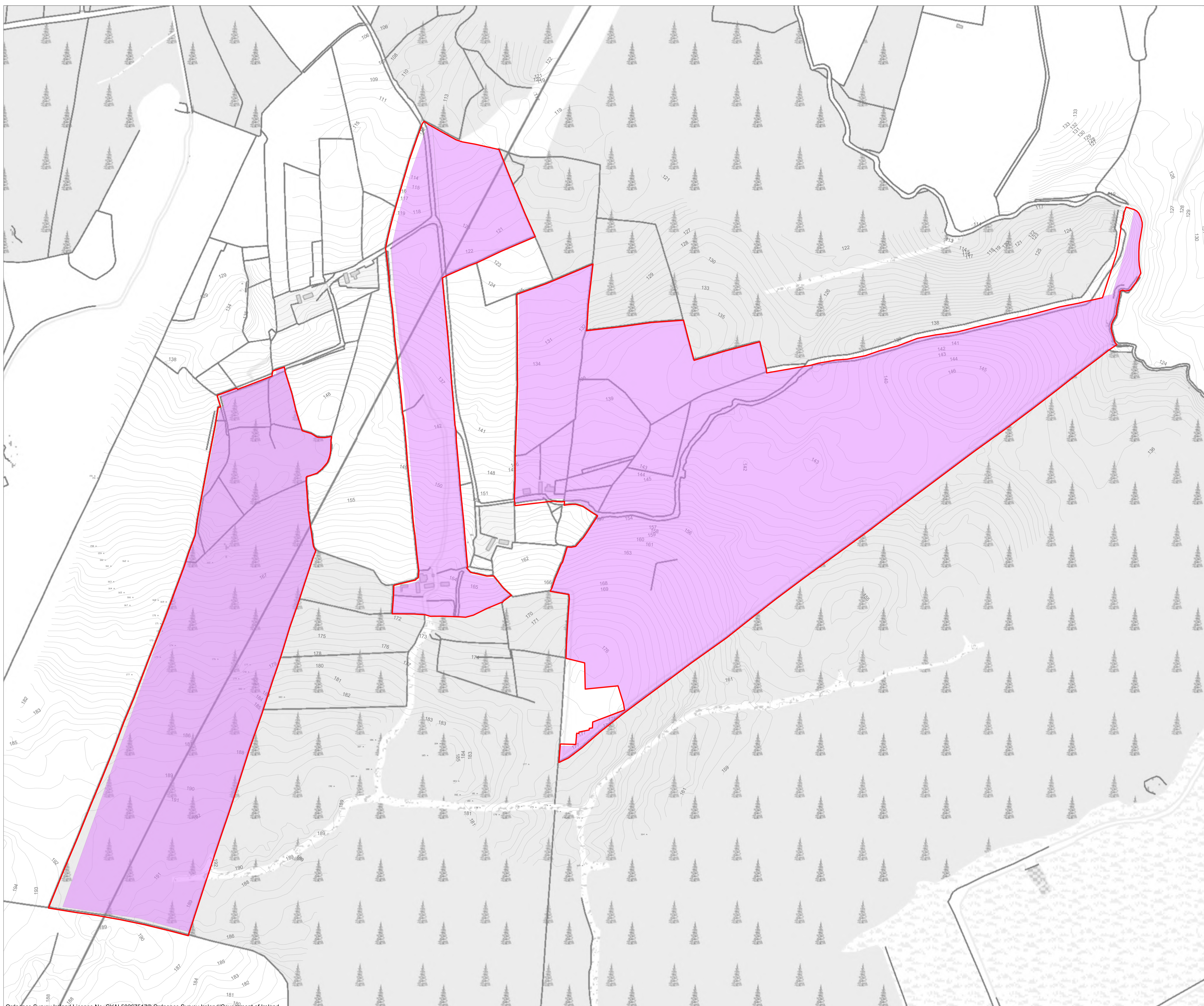
DRAWING TITLE: **Site Layout Plan Sheet 6 of 10**

PROJECT No.: <b>230843</b>	DRAWING No.: <b>230843 - 04F</b>	SCALE: <b>1:2,500 @ A1</b>
DRAWN BY: <b>JOB</b>	CHECKED BY: <b>AC</b>	DATE: <b>11.03.2026</b>
		REVISION: <b>D01</b>

OS SHEET No.: 4373, 4374, 4375, 4431, 4432, 4433, 4490, 4491, 4492, 4550, 4551, 4552, 4609, 4610, 4611

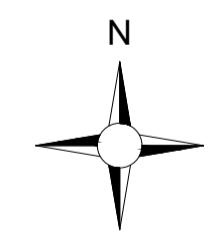


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  8. Final levels may vary depending on local ground conditions.

- Drawing Legend**
- Planning Application Boundary
  - Biodiversity Enhancement Areas



PROJECT TITLE: **Proposed Cahermurphy West Wind Farm, Co. Clare**

DRAWING TITLE: **Site Layout Plan Sheet 7 of 10**

PROJECT No.: <b>230843</b>	DRAWING No.: <b>230843 - 04G</b>	SCALE: <b>1:2,500 @ A1</b>
DRAWN BY: <b>JOB</b>	CHECKED BY: <b>AC</b>	REVISION: D01
DATE: <b>11.03.2026</b>		

OS SHEET No.: 4373, 4374, 4375, 4431, 4432, 4433, 4490, 4491, 4492, 4550, 4551, 4552, 4609, 4610, 4611



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  7. Layout plans show typical Turbine rotor diameter as per turbine drawing.
  8. Final levels may vary depending on local ground conditions.

- Drawing Legend**
- Planning Application Boundary
  - Proposed Road
  - ▨ Temporary Delivery Access Road
  - Temporary Fence Removal
  - Cahermurphy West 110kV Grid Connection Application Boundary

PROJECT TITLE:			<b>Proposed Cahermurphy West Wind Farm, Co. Clare</b>
DRAWING TITLE:			<b>Site Layout Plan Sheet 8 of 10</b>
PROJECT No.:	DRAWING No.:	SCALE:	
<b>230843</b>	<b>230843 - 04H</b>	<b>1:2,500 @ A3</b>	
DRAWN BY:	CHECKED BY:	DATE:	REVISION.:
<b>JOB</b>	<b>AC</b>	<b>11.03.2026</b>	<b>D01</b>
OS SHEET No.:			
4373, 4374, 4375, 4431, 4432, 4433, 4490, 4491, 4492, 4550, 4551, 4552, 4609, 4610, 4611			



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  7. Layout plans show typical Turbine rotor diameter as per turbine drawing.
  8. Final levels may vary depending on local ground conditions.

- Drawing Legend**
- Planning Application Boundary
  - ▨ Temporary Delivery Access Road
  - ~ Vegetation Trimming
  - - - Temporary Hedgerow Removal

PROJECT TITLE: **Proposed Cahermurphy West Wind Farm, Co. Clare**

DRAWING TITLE: **Site Layout Plan Sheet 9 of 10**

PROJECT No.: <b>230843</b>	DRAWING No.: <b>230843 - 041</b>	SCALE: <b>1:2,500 @ A3</b>
DRAWN BY: <b>JOB</b>	CHECKED BY: <b>AC</b>	DATE: <b>11.03.2026</b>
OS SHEET No.: 4373, 4374, 4375, 4431, 4432, 4433, 4490, 4491, 4492, 4550, 4551, 4552, 4609, 4610, 4611		REVISION: <b>D01</b>



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  8. Final levels may vary depending on local ground conditions.

- Drawing Legend**
- Planning Application Boundary
  - Wall to be Temporarily Removed



PROJECT TITLE: **Proposed Cahermurphy West Wind Farm, Co. Clare**

DRAWING TITLE: **Site Layout Plan Sheet 10 of 10**

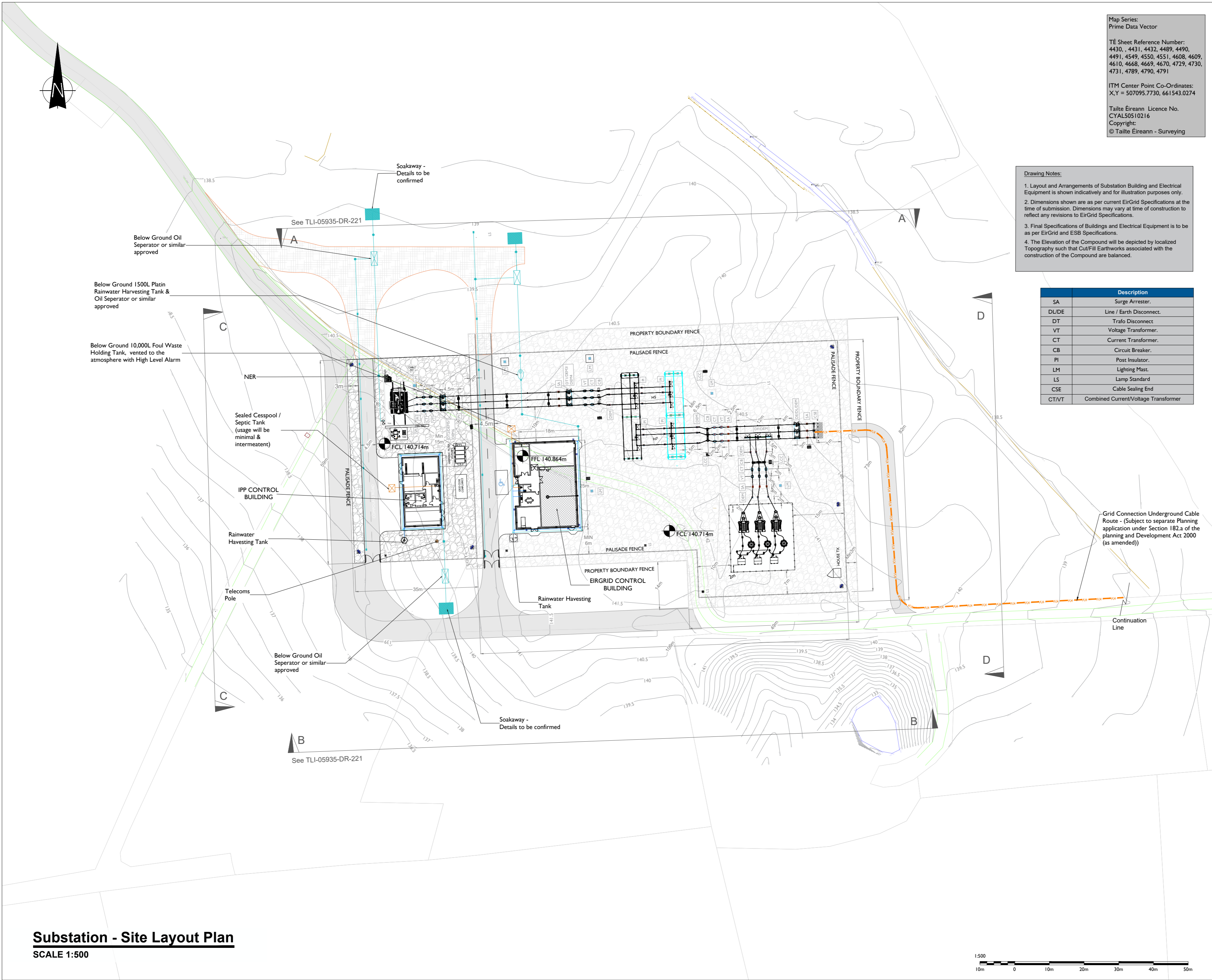
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DRAWN BY: <b>JOB</b>	CHECKED BY: <b>AC</b>	DATE: <b>11.03.2026</b>
		REVISION: <b>D01</b>

OS SHEET No.: 4373, 4374, 4375, 4431, 4432, 4433, 4490, 4491, 4492, 4550, 4551, 4552, 4609, 4610, 4611



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ISO A1 594mm x 841mm



Map Series:  
Prime Data Vector

TÉ Sheet Reference Number:  
4430, 4431, 4432, 4489, 4490,  
4491, 4549, 4550, 4551, 4608, 4609,  
4610, 4668, 4669, 4670, 4729, 4730,  
4731, 4789, 4790, 4791

ITM Center Point Co-Ordinates:  
X,Y = 507095.7730, 661543.0274

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Copyright:  
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**Drawing Notes:**

1. Layout and Arrangements of Substation Building and Electrical Equipment is shown indicatively and for illustration purposes only.
2. Dimensions shown are as per current EirGrid Specifications at the time of submission. Dimensions may vary at time of construction to reflect any revisions to EirGrid Specifications.
3. Final Specifications of Buildings and Electrical Equipment is to be as per EirGrid and ESB Specifications.
4. The Elevation of the Compound will be depicted by localized Topography such that Cut/Fill Earthworks associated with the construction of the Compound are balanced.

SA	Description
SA	Surge Arrester.
DL/DE	Line / Earth Disconnect.
DT	Trafo Disconnect.
VT	Voltage Transformer.
CT	Current Transformer.
CB	Circuit Breaker.
PI	Post Insulator.
LM	Lighting Mast.
LS	Lamp Standard
CSE	Cable Sealing End
CT/VT	Combined Current/Voltage Transformer

**PROJECT**

# Cahermurphy West Wind Farm 110kV Grid Connection

**CLIENT**

**FuturaEnergy Ireland**

**CONSULTANTS**

**MKO**

- NOTES: -**
- Configuration of substation equipment and infrastructure is subject to detailed design and EirGrid design approval.
  - The proposed substation layout should be used for planning purposes only.
  - This drawing is to be read in conjunction with relevant drawings, specifications and reports.
  - Dimensions are in millimeters, unless noted otherwise.
  - Drawings are not to be scaled use figured dimensions only.
  - Preliminary design has only taken place, more detail design is required for all individual electrical components.

- LEGEND: -**
- Grid Connection Underground Cable Route —
  - Proposed Levels shown thus — 140.00m
  - Proposed 110kV EirGrid Substation two bay arrangement
  - Existing Access track shown thus —
  - Proposed Wind Farm track shown thus —
  - Temporary track shown thus —
  - Contours shown thus — 138.5
  - Spare shown thus —

**ISSUE/REVISION**

I/R	DATE	DESCRIPTION
P5	18.03.26	Issued for Planning
P4	06.03.26	Issued for Planning
P3	06.03.26	Issued for Planning
P2	13.02.26	Issued for Planning
P1	12.12.25	Issued for Planning
N2	03.11.25	Issued for Information
I/R	DATE	DESCRIPTION

**PROJECT NUMBER**  
05-935

**SHEET TITLE**  
Substation - Site Layout Plan

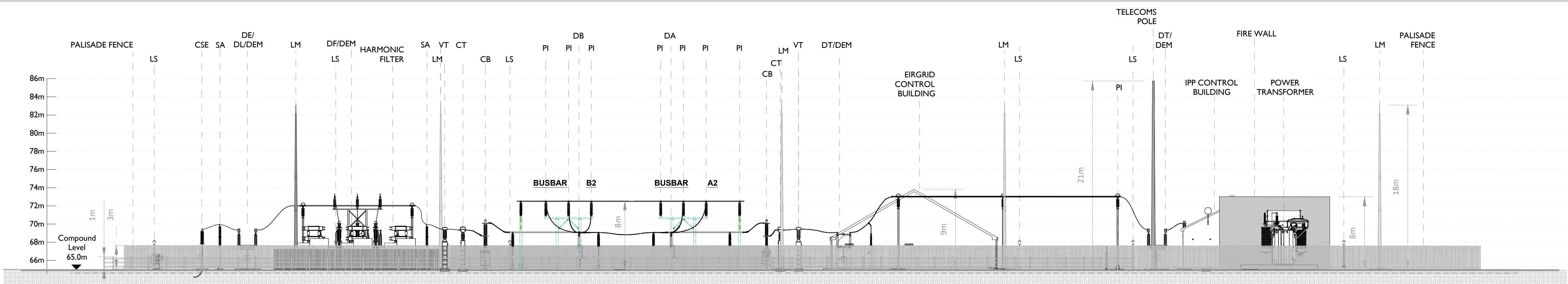
**SHEET NUMBER**  
05935-DR-220

## Substation - Site Layout Plan

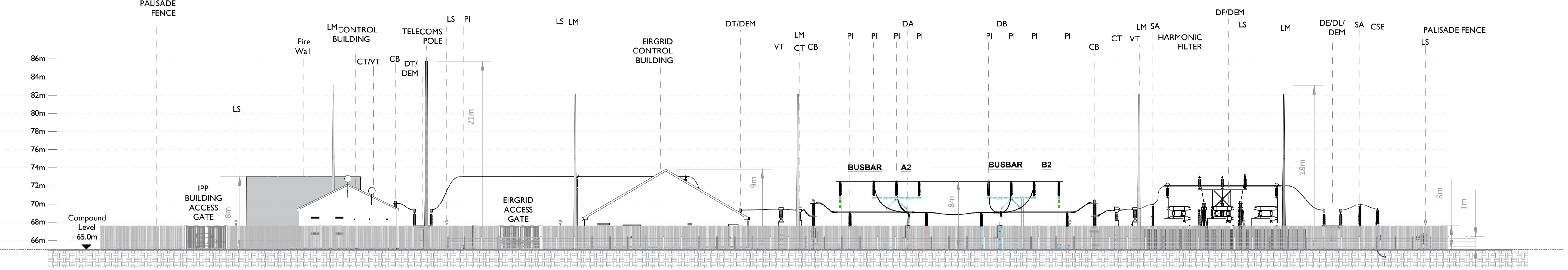
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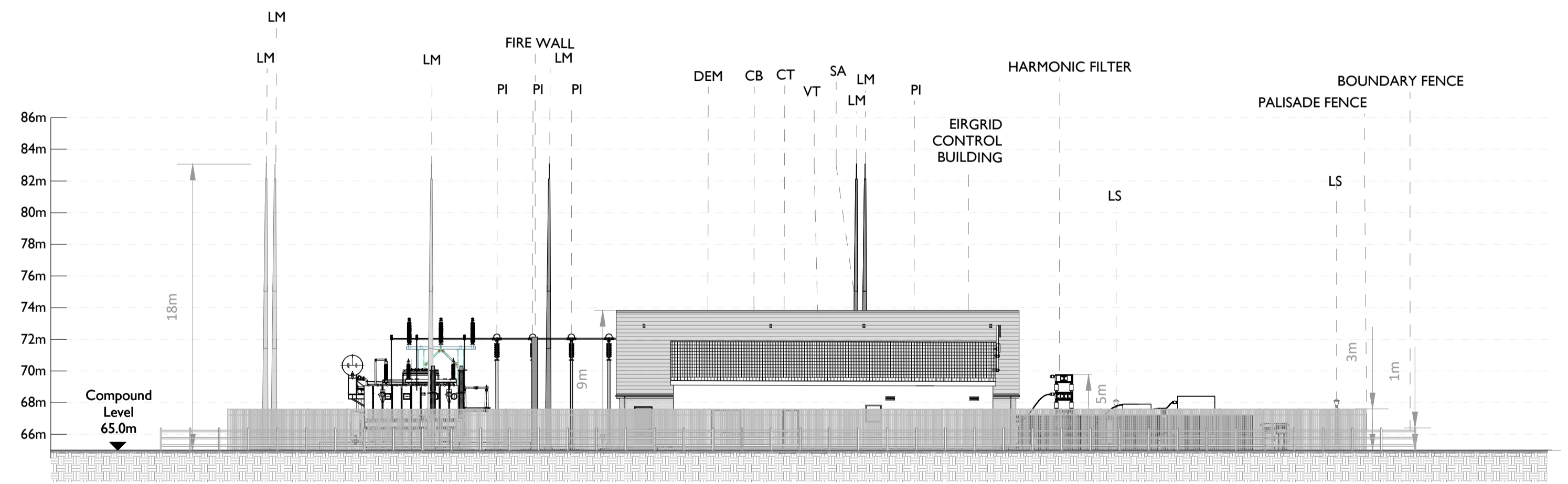
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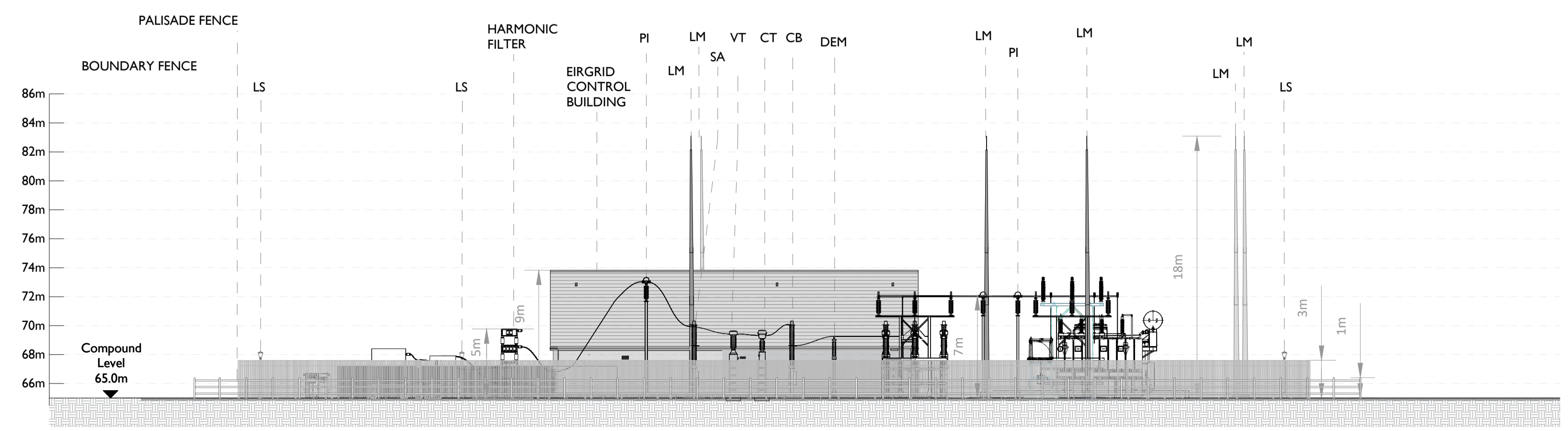
**Section A-A Elevation**  
SCALE 1:250



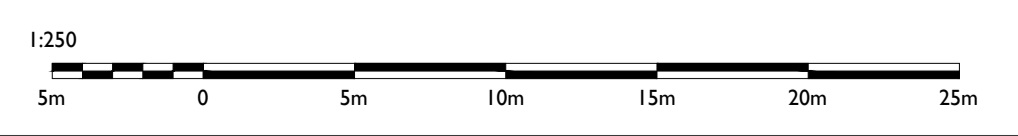
**Section B-B Elevation**  
SCALE 1:250



**Section C-C Elevation**  
SCALE 1:250



**Section D-D Elevation**  
SCALE 1:250



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Tel: 00 44 1256406664

**PROJECT**  
**Cahermurphy West**  
**Wind Farm**  
**110kV Grid Connection**

**CLIENT**  
**FuturaEnergy Ireland**



- NOTES: -**
- Configuration of substation equipment and infrastructure is subject to detailed design and EirGrid design approval.
  - The proposed substation layout should be used for planning purposes only.
  - This drawing is to be read in conjunction with relevant drawings, specifications and reports.
  - Dimensions are in millimeters, unless noted otherwise.
  - Drawings are not to be scaled use figured dimensions only.
  - Preliminary design has only taken place, more detail design is required for all individual electrical components.

**LEGEND: -**

Symbol	Description
CSE	CABLE SEALING END
SA	SURGE ARRESTER
DL/DE	LINE DISCONNECT
DT/DEM	TRANSFORMER/EARTH DISCONNECT
DEM	EARTH SWITCH
DB/DEB	BUSBAR DISCONNECT
VT	VOLTAGE TRANSFORMER
CT	CURRENT TRANSFORMER
CB	CIRCUIT BREAKER
PI	POST INSULATOR
LM	LIGHTING MAST
LP	LAMP POST
IK	INTERFACE KIOSK
HX	HOUSE TRANSFORMER
LCC	LOCAL CONTROL CABINET
NER	NEUTRAL EARTHING RESISTOR

**ISSUE/REVISION**

Issue/Revision	Date	Description
P2	13.03.26	Issued for Planning
P1	12.12.25	Issued for Planning
N2	03.11.25	Issued for Information
N1	03.10.25	Issued for Information
I/R	DATE	DESCRIPTION

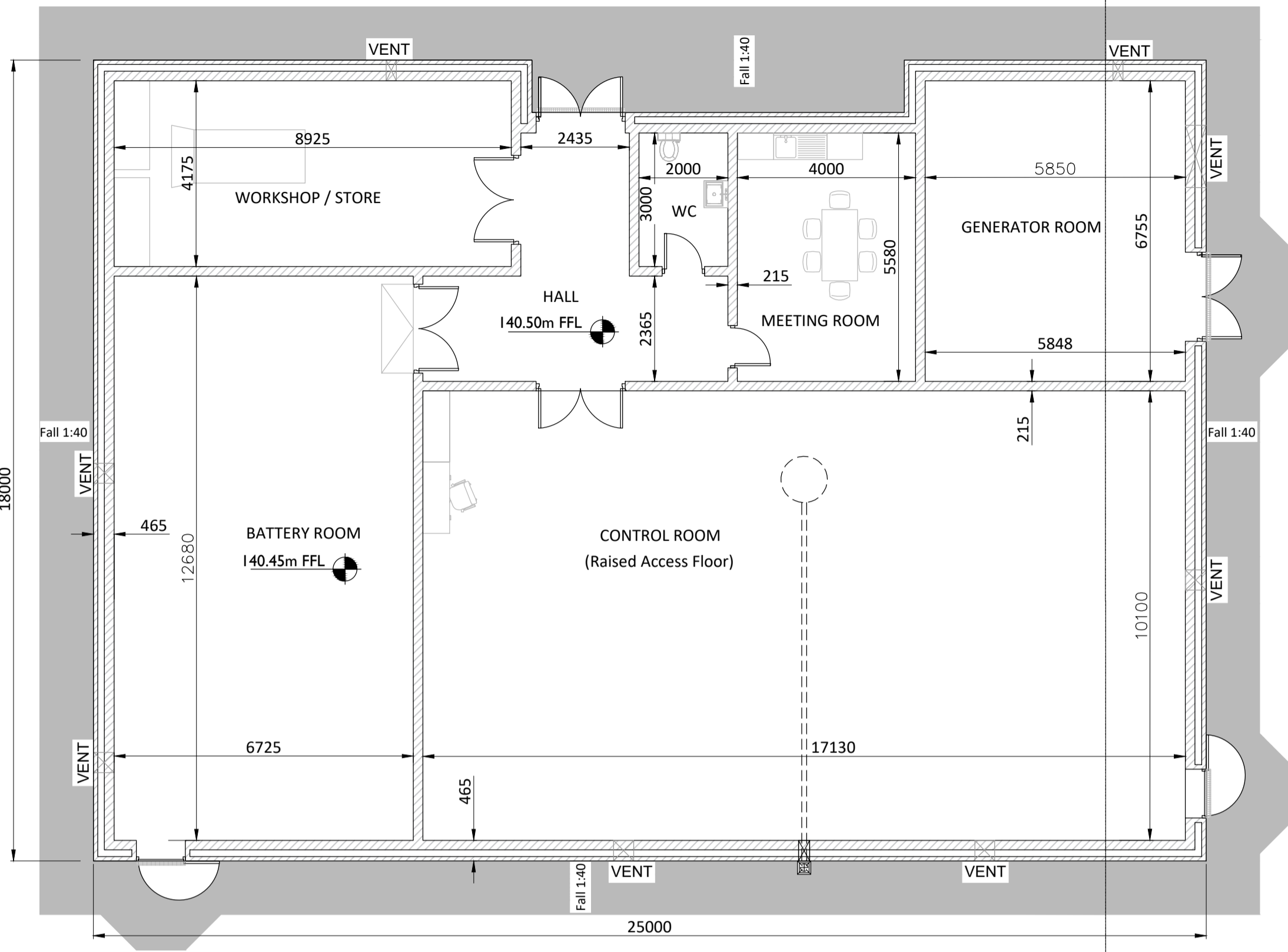
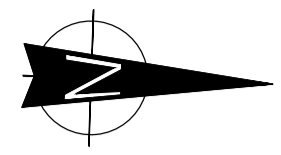
**PROJECT NUMBER**  
**05-935**

**SHEET TITLE**  
**110kV Site Compound Elevations**

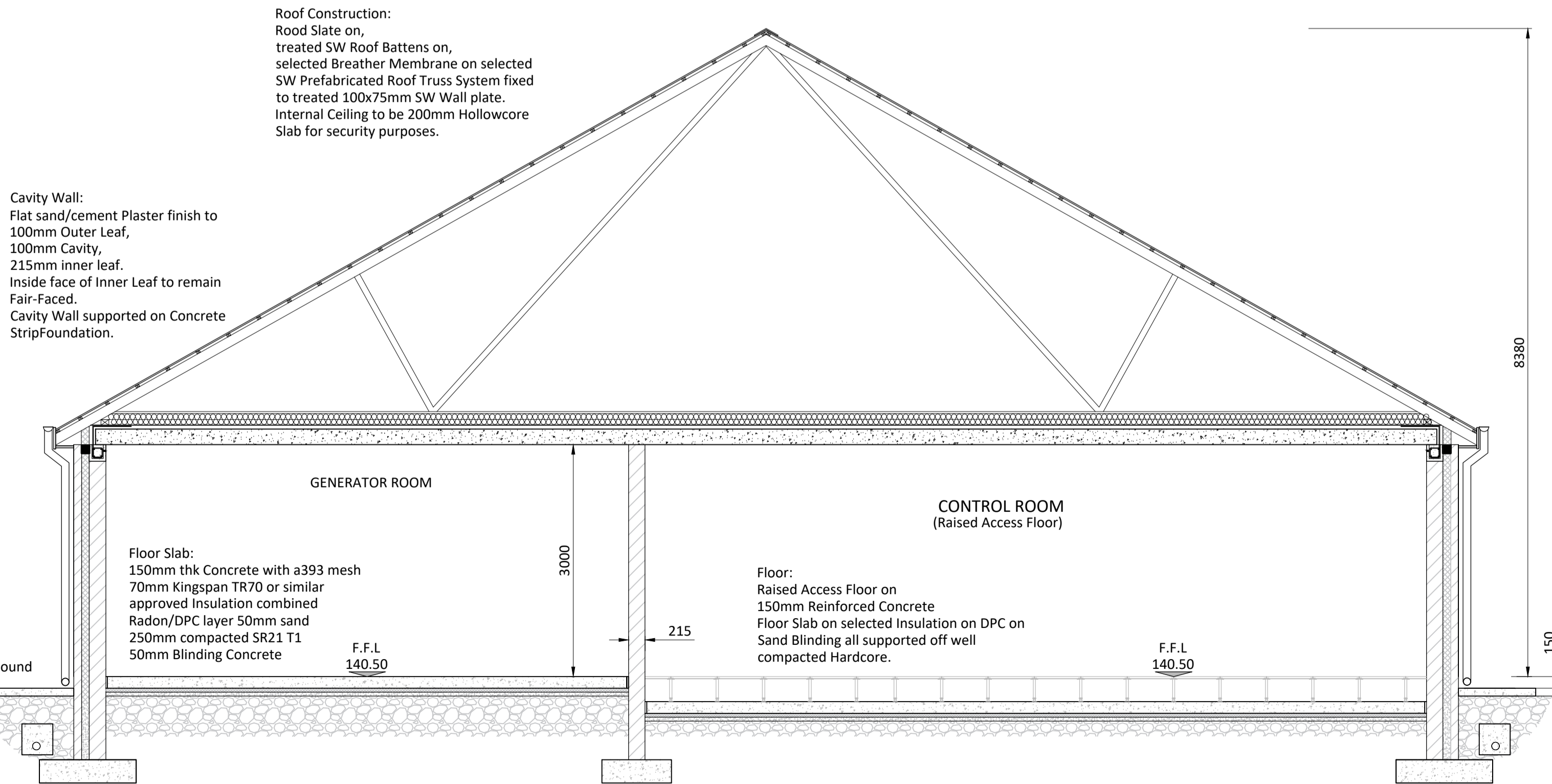
**SHEET NUMBER**  
**05935-DR-221**

Project Management Initials: Designer: NS Checked: DB Approved: DB

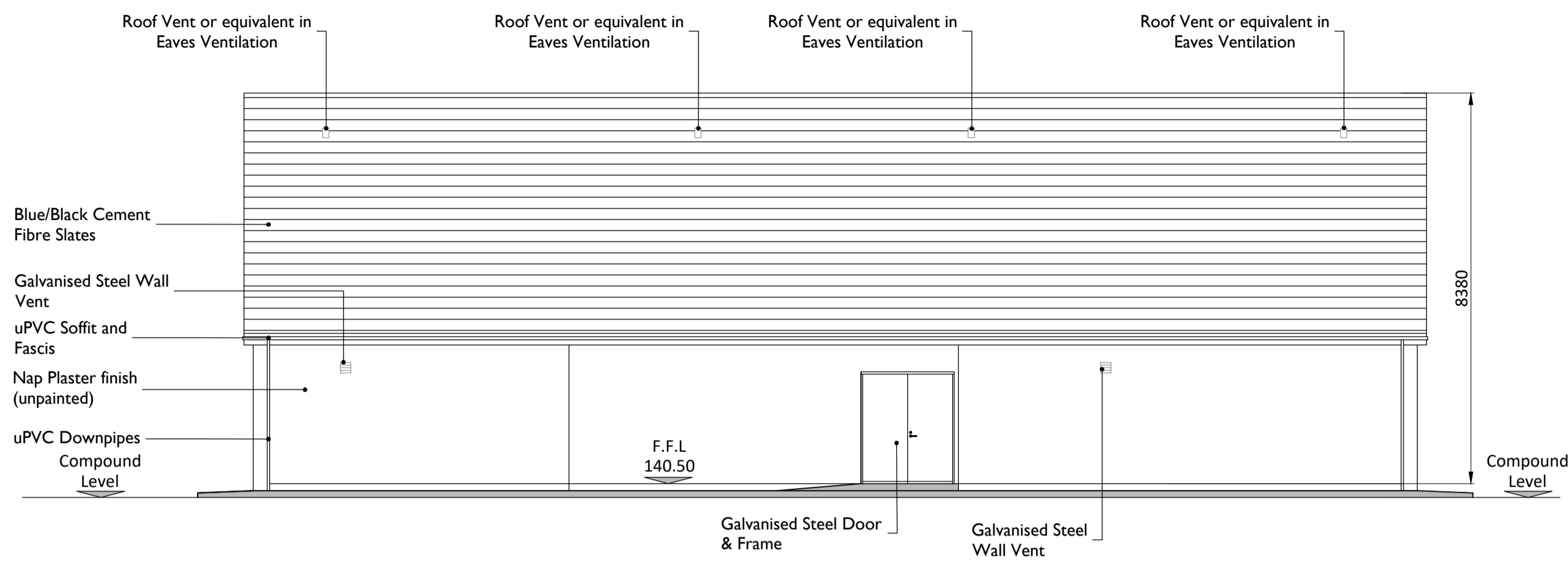
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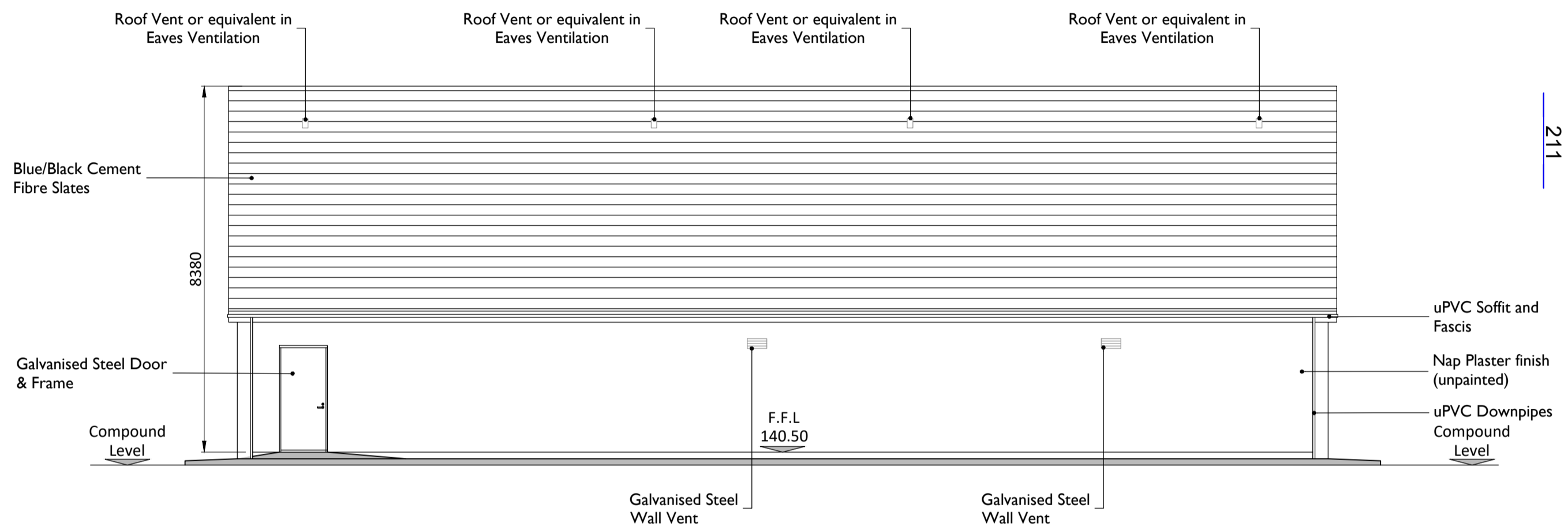
**CONTROL BUILDING - PLAN**  
SCALE 1:100



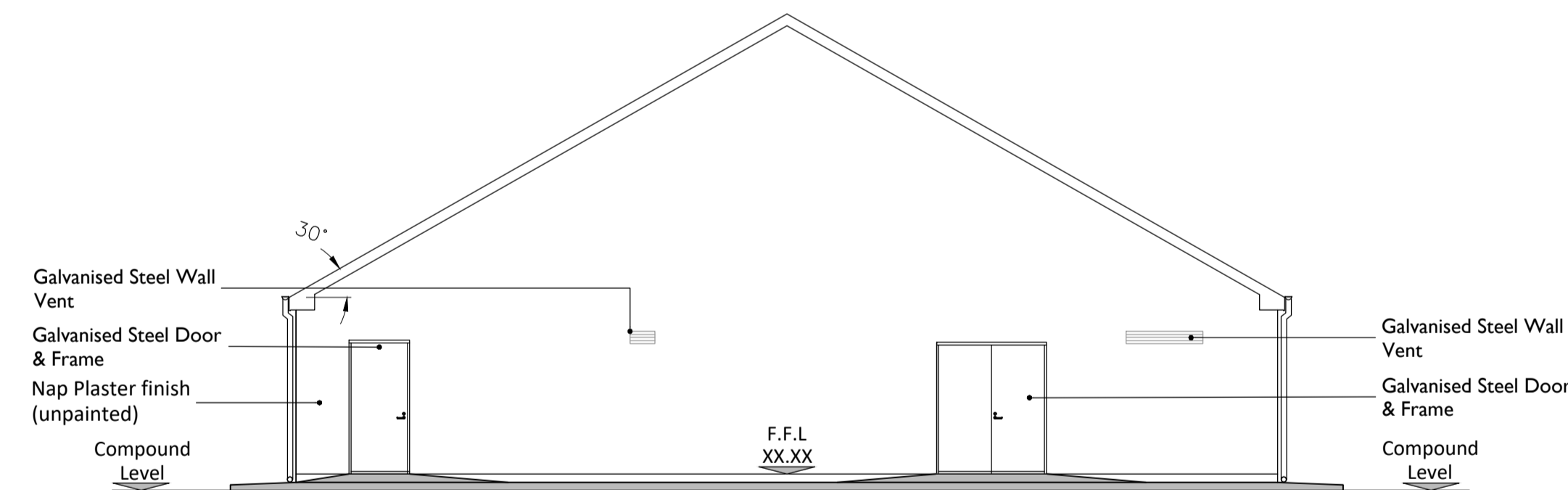
**SECTION A-A**  
SCALE 1:50



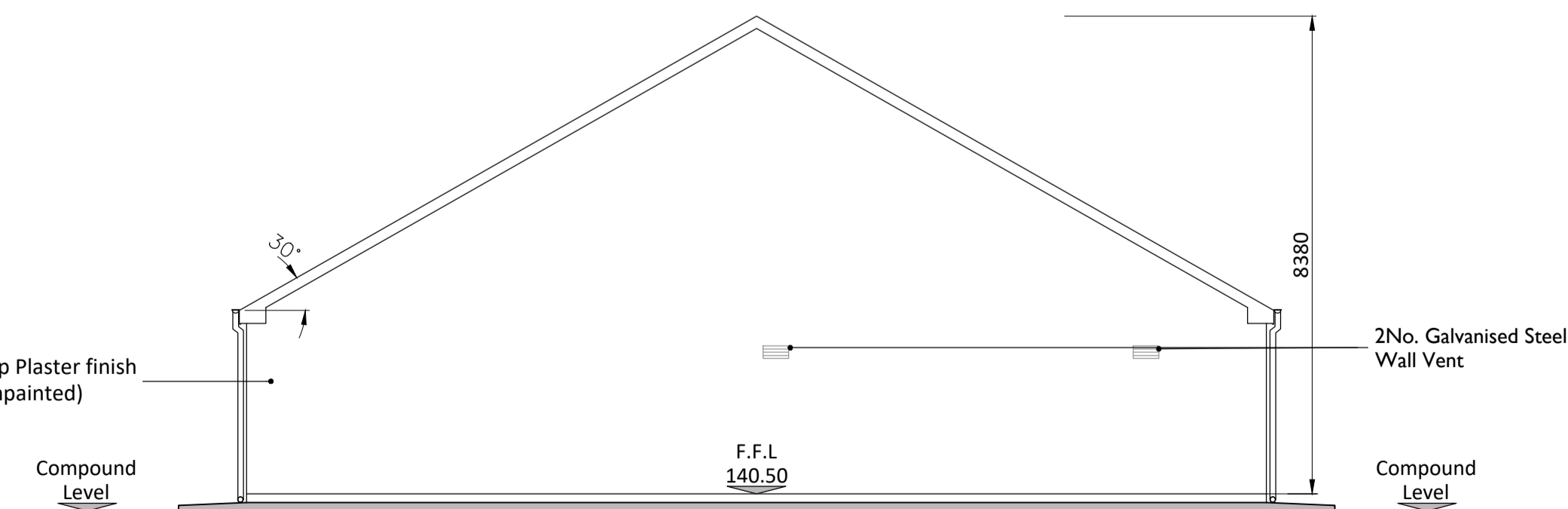
**WESTERN ELEVATION [ELEVATION A]**  
SCALE 1:100



**EASTERN ELEVATION [ELEVATION C]**  
SCALE 1:100



**NORTHERN ELEVATION [ELEVATION B]**  
SCALE 1:100



**SOUTHERN ELEVATION [ELEVATION D]**  
SCALE 1:100



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**PROJECT**  
**Cahermurphy West  
Wind Farm 110kV  
Grid Connection**

**CLIENT**

**CONSULTANTS**  
Ireland  
**FuturaEnergy**



- NOTES:**
- Layout and Arrangements of Substation Building and Electrical Equipment is shown indicatively and for illustration purposes only.
  - Dimensions shown are as per current EirGrid Specifications at the time of submission. Dimensions may vary at time of construction to reflect any revisions to EirGrid Specifications.
  - Final Specifications of Buildings and Electrical Equipment is to be as per EirGrid and ESB Specifications.
  - The Elevation of the Compound will be depicted by localized Topography such that Cut/Fill Earthworks associated with the construction of the Compound are balanced.

**LEGEND:**

Levels shown thus

Concrete Footpath shown thus

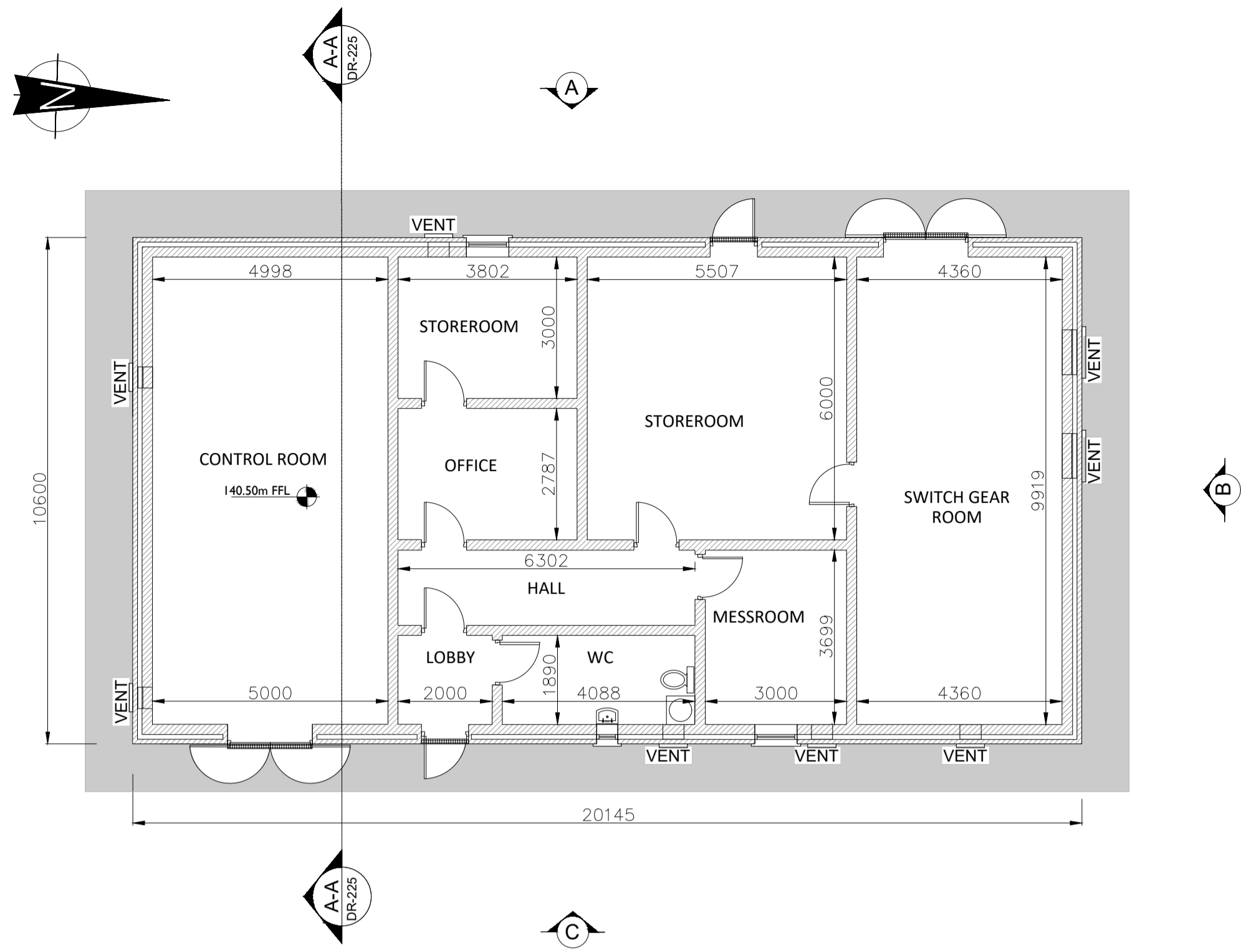
ISSUE/REVISION		
NO	DATE	DESCRIPTION
P1	12.12.25	Issued for Planning
N1	03.10.25	Issued for Information
I/R	DATE	DESCRIPTION

**PROJECT NUMBER**  
05-935

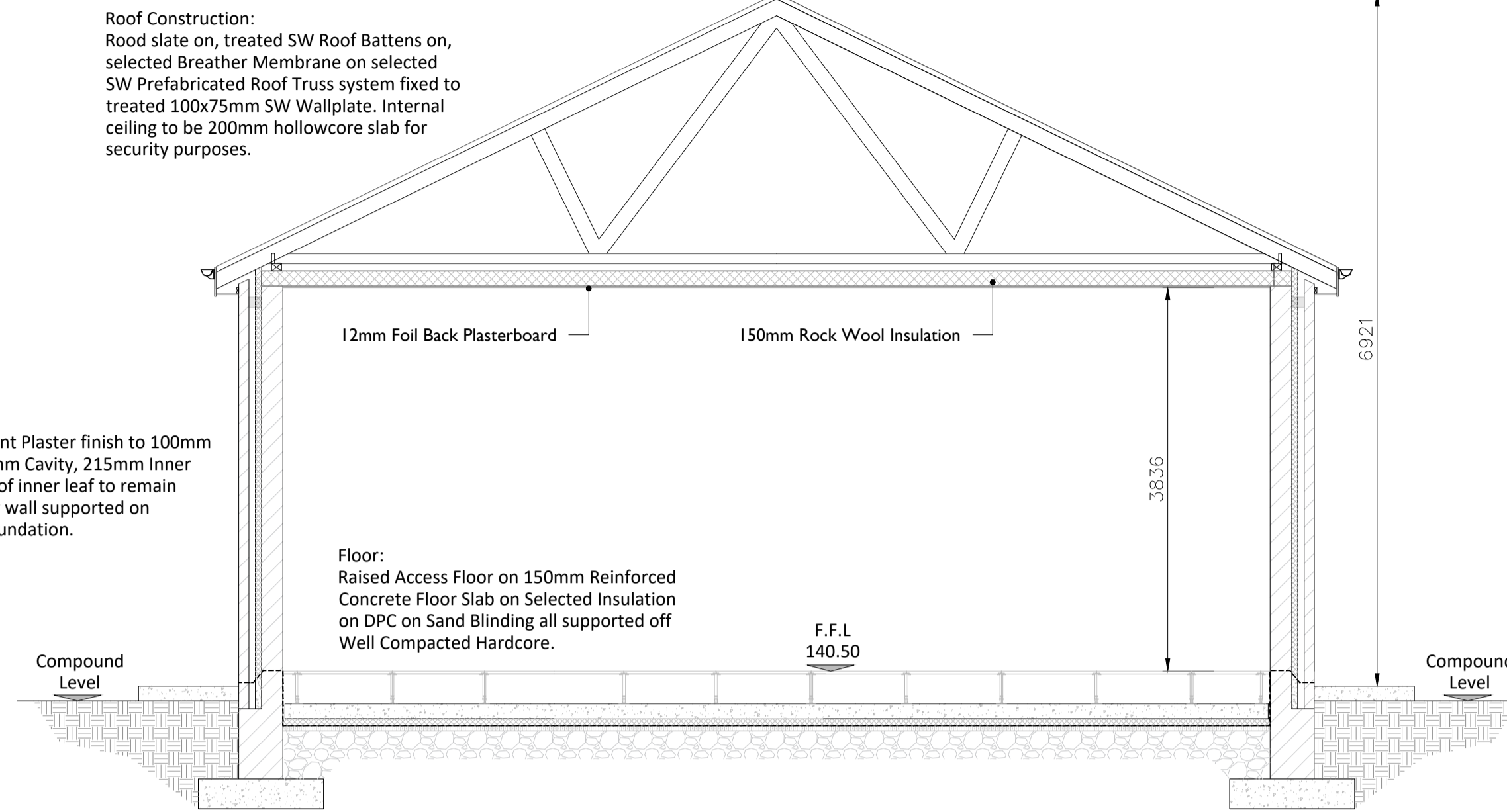
**SHEET TITLE**  
Proposed 110kV Substation -  
Control Building - Plan, Elevations  
& Section

**SHEET NUMBER**  
05935-DR-223

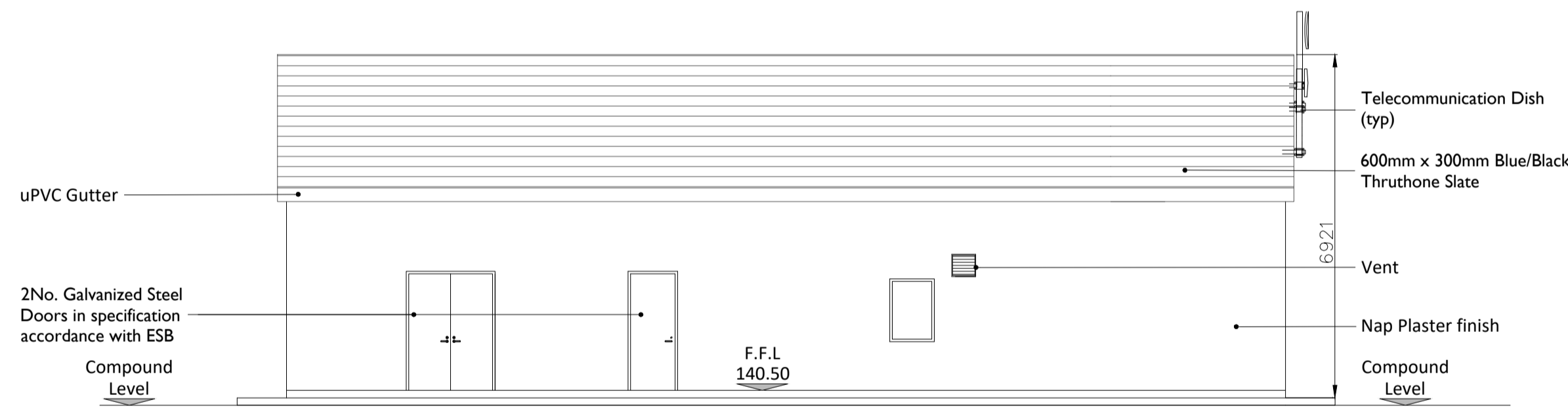
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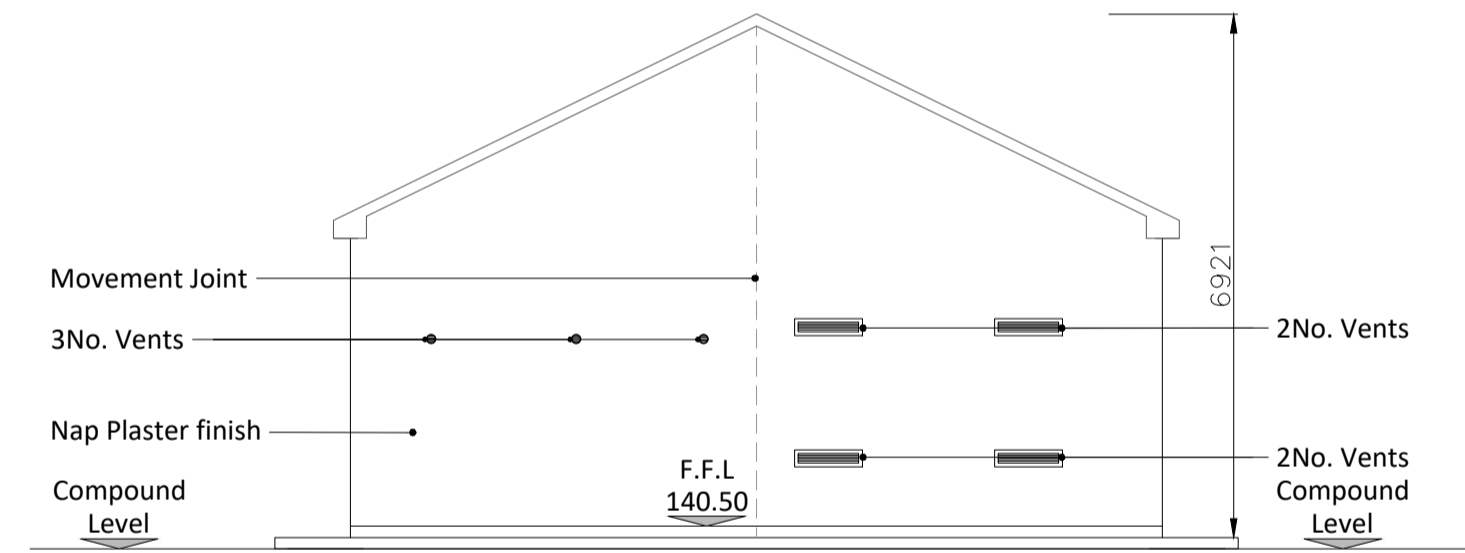
**IPP BUILDING - PLAN**  
SCALE 1:100



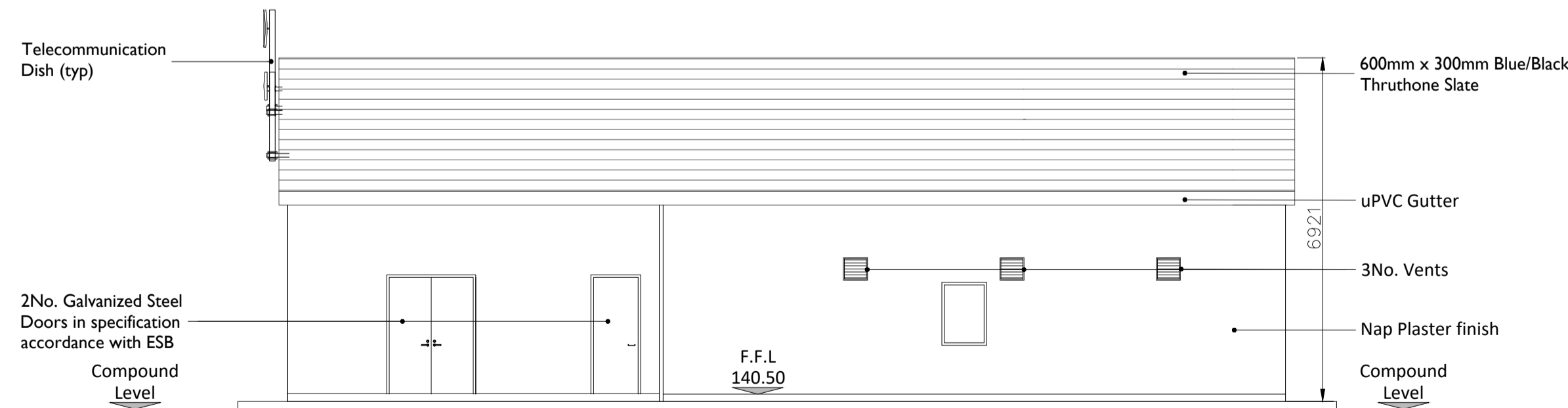
**SECTION A-A**  
SCALE 1:50



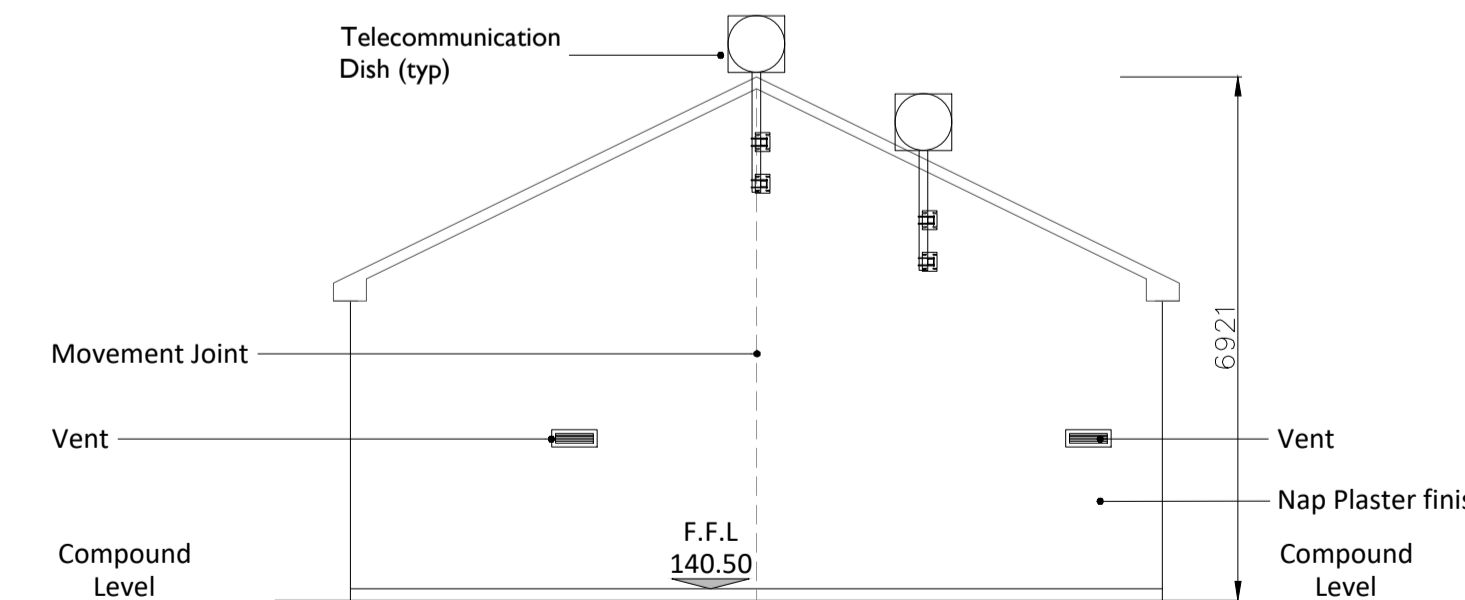
**EASTERN ELEVATION [ELEVATION A]**  
SCALE 1:100



**NORTHERN ELEVATION [ELEVATION B]**  
SCALE 1:100



**WESTERN ELEVATION [ELEVATION C]**  
SCALE 1:100



**SOUTHERN ELEVATION [ELEVATION D]**  
SCALE 1:100

- NOTES: -**
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  - The Elevation of the Compound will be depicted by localized Topography such that Cut/Fill Earthworks associated with the construction of the Compound are balanced.

**LEGEND: -**

Levels shown thus	xxxxxxx
Concrete Footpath shown thus	xxxxxxx

**ISSUE/REVISION**

NO	DATE	DESCRIPTION
P1	12.12.25	Issued for Planning
N1	03.10.25	Issued for Information
I/R	DATE	DESCRIPTION

Project Management Initials: Designer: RR Checked: GD Approved: GH