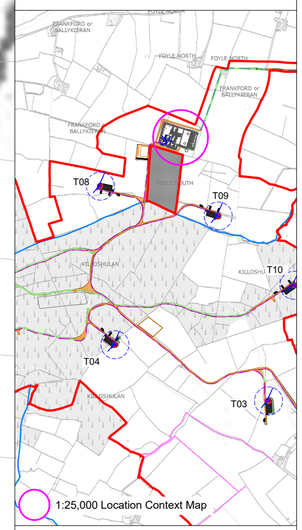
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6. The use of or reliance upon this drawing shall be deemed to be acceptance of these conditions of use unless otherwise agreed in writing, such written agreement to be sought from and issued by the copyright holder to the use or reliance upon this drawing.
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
- Cut
- Fill
- Area Not A Part of Application
- Proposed Underground Grid Connection Cabling Route
- Internal Electrical Cable Trench



+FFL 216

Compound Area

Eirgrid 110kV Control Building

Customer MV Switchgear Building

Static Storage Tank 250m3

Static Storage Tank 250m3

BESS Units and Transformers Refer To Drg. 260172-19 for Details

Underground Fire Water Retention Tank 500m3

Meters 0 2 10 20 30

N

PROJECT TITLE:
Killoshulan Wind Farm, Co.Kilkenny

DRAWING TITLE:
Substation and BESS Compound Layout

PROJECT No.:	DRAWING No.:	SCALE:
260172	260172-13	1:500 @ A2

DRAWN BY:	CHECKED BY:	DATE:	REVISION.:
KD	FR	28.10.2026	P01

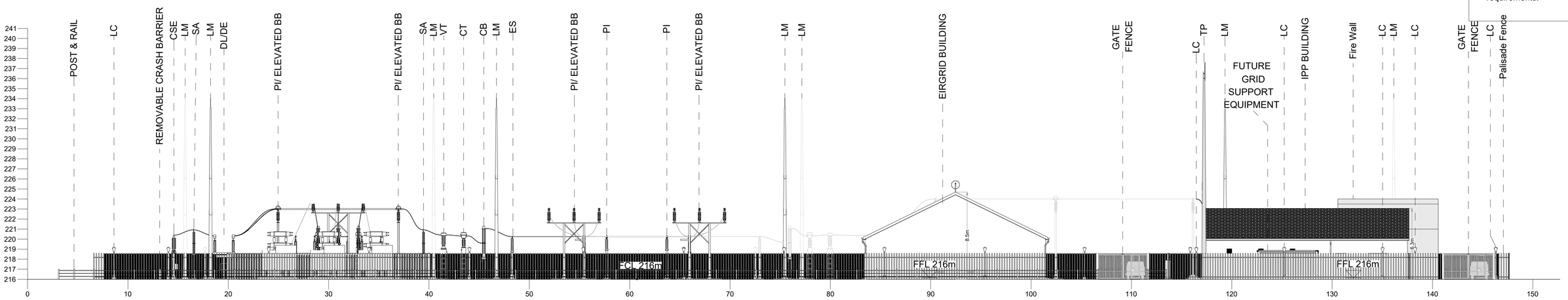
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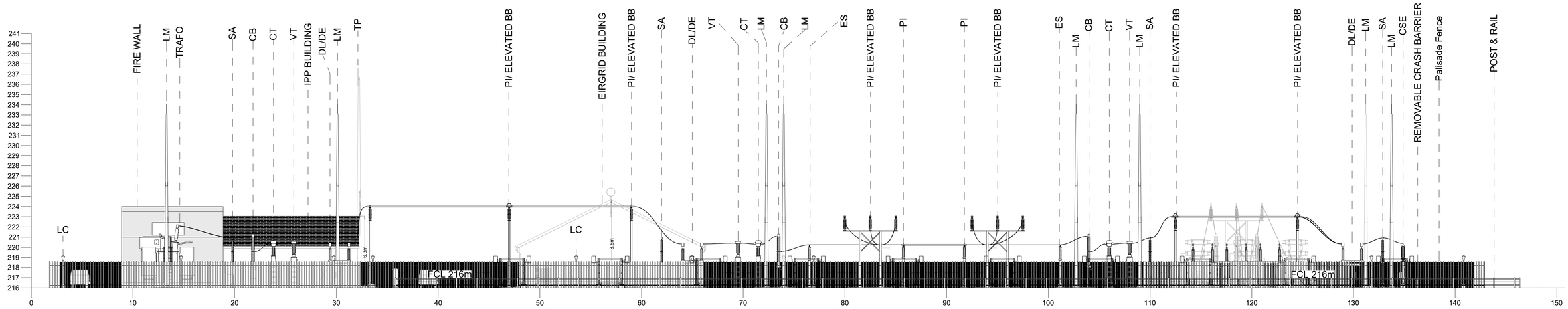
Ordnance Survey Ireland Licence No. CYAL50267517© Ordnance Survey Ireland/Government of Ireland

Drawing Notes

1. Layout and arrangements of substation buildings and electrical equipment is shown indicatively and for illustration purposes only as final specifications of buildings and electrical equipment is to be dictated by Eirgrid/ESB networks requirements.



North West Elevation



South East Elevation

PROJECT TITLE:

Killoshulan Wind Farm, Co.Kilkenny

DRAWING TITLE:

Site Substation Sectional Elevations

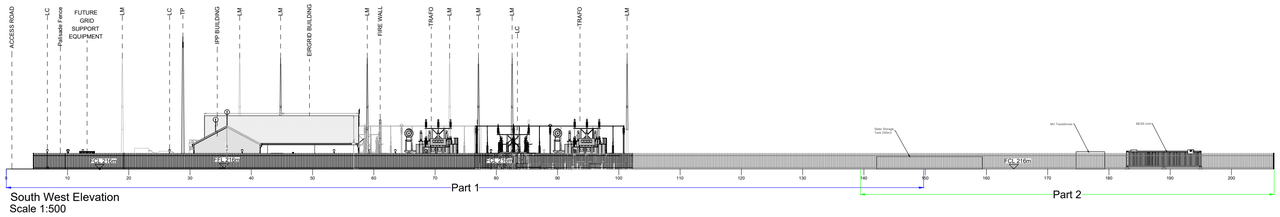
PROJECT No.:	DRAWING No.:	SCALE:
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DRAWN BY:	CHECKED BY:	DATE:	REVISION.:
KD	FR	28.10.2026	P01

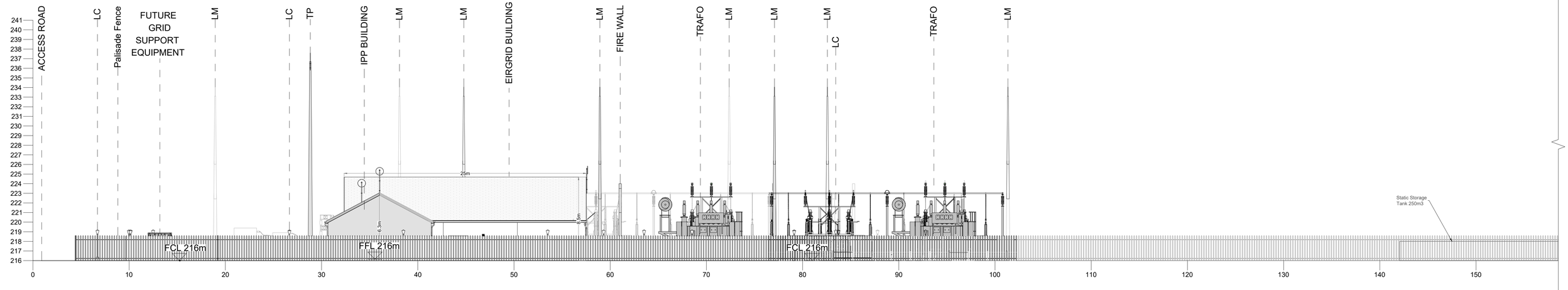
Email: info@www.mkoireland.ie /Website: www.mkoireland.ie

Drawing Notes

1. Layout and arrangements of substation buildings and electrical equipment is shown indicatively and for illustration purposes only as final specifications of buildings and electrical equipment is to be dictated by Eirgrid/ESB networks requirements.

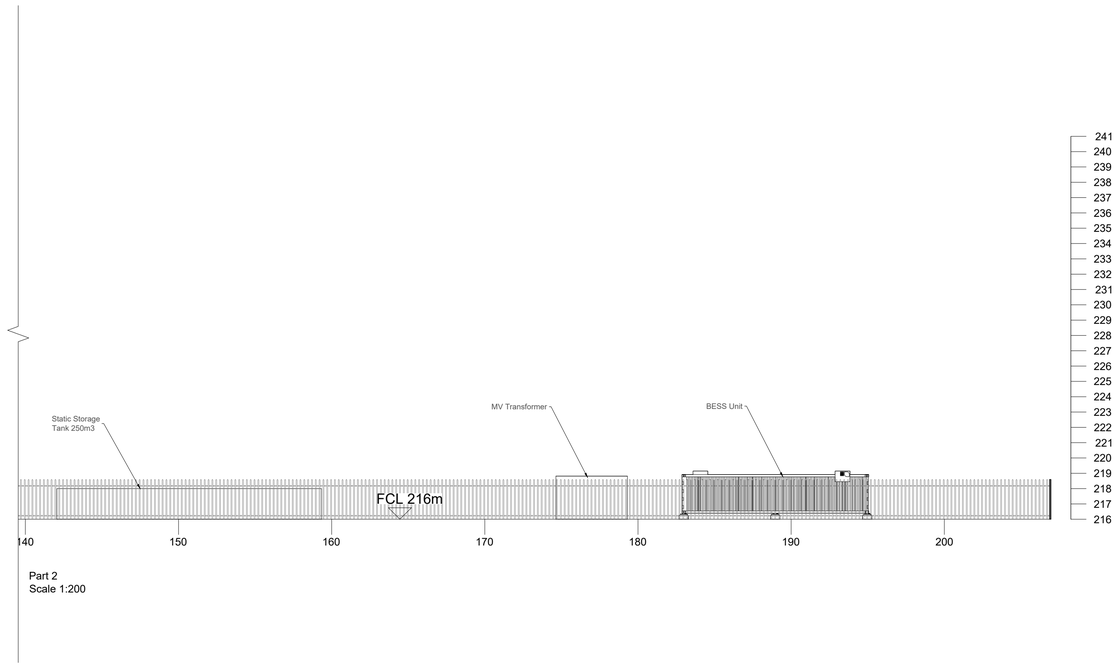


South West Elevation
Scale 1:500



South West Elevation

Part 1
Scale 1:200



Part 2
Scale 1:200

PROJECT TITLE:

Killoshulan Wind Farm, Co.Kilkenny

DRAWING TITLE:

Site Substation Sectional Elevations

PROJECT No.:	DRAWING No.:	SCALE:
260172	**260172-15**	**As Shown @ A1**

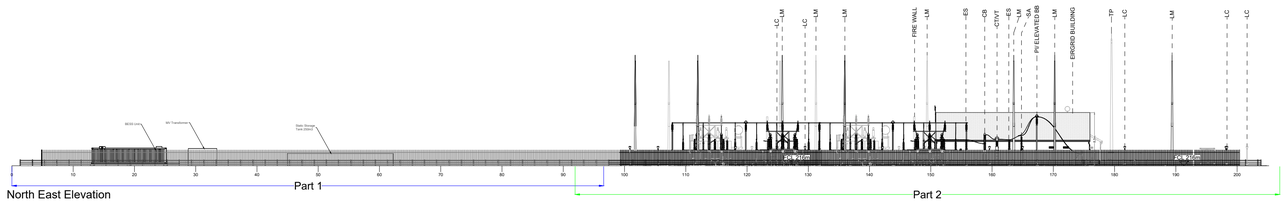
DRAWN BY:	CHECKED BY:	DATE:	REVISION.:
KD	**FR**	**28.10.2026**	P01

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Drawing Notes

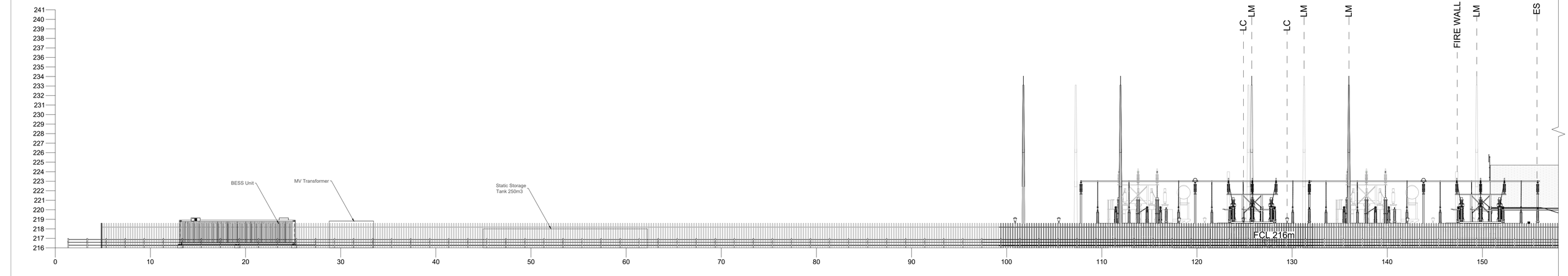
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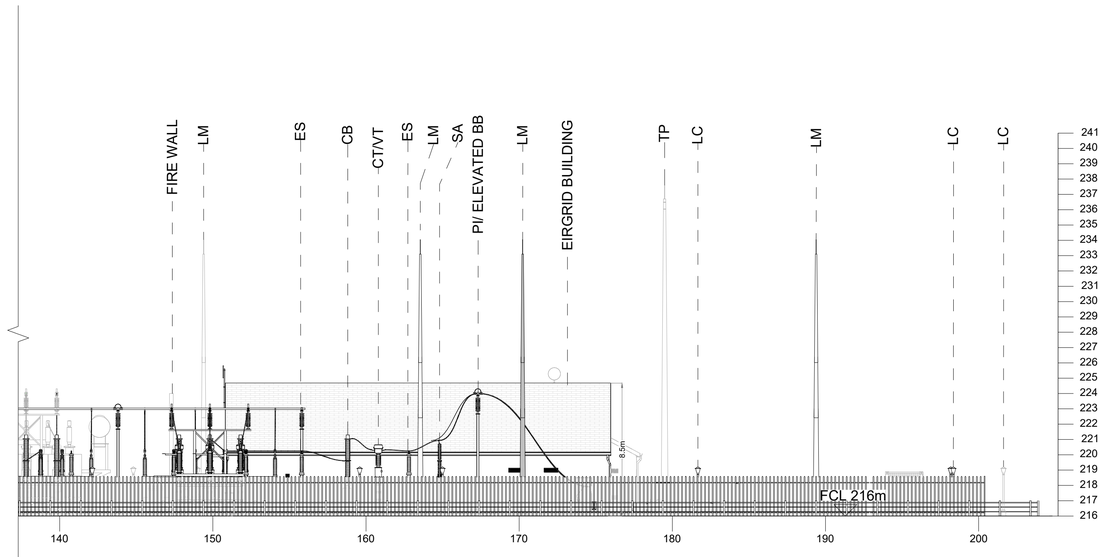
Scale 1:500



North East Elevation

Part 1
Scale 1:200





Part 2
Scale 1:200

PROJECT TITLE:

Killoshulan Wind Farm, Co.Kilkenny

DRAWING TITLE:

Site Substation Sectional Elevations

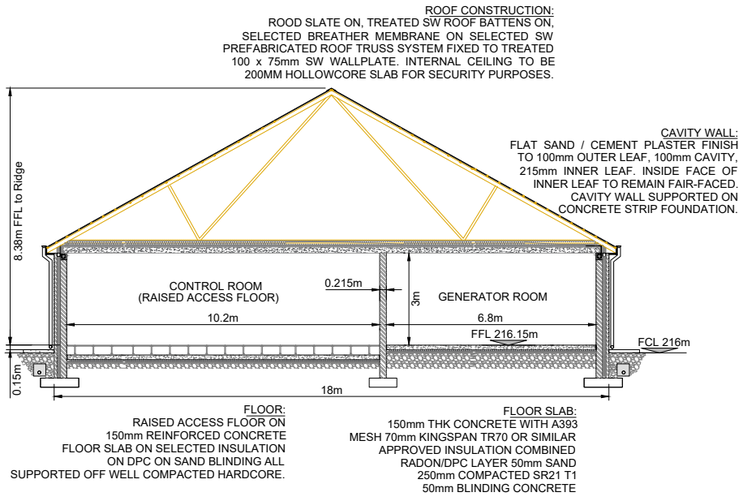
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DRAWN BY:	CHECKED BY:	DATE:	REVISION.:
KD	**FR**	**28.10.2026**	P01

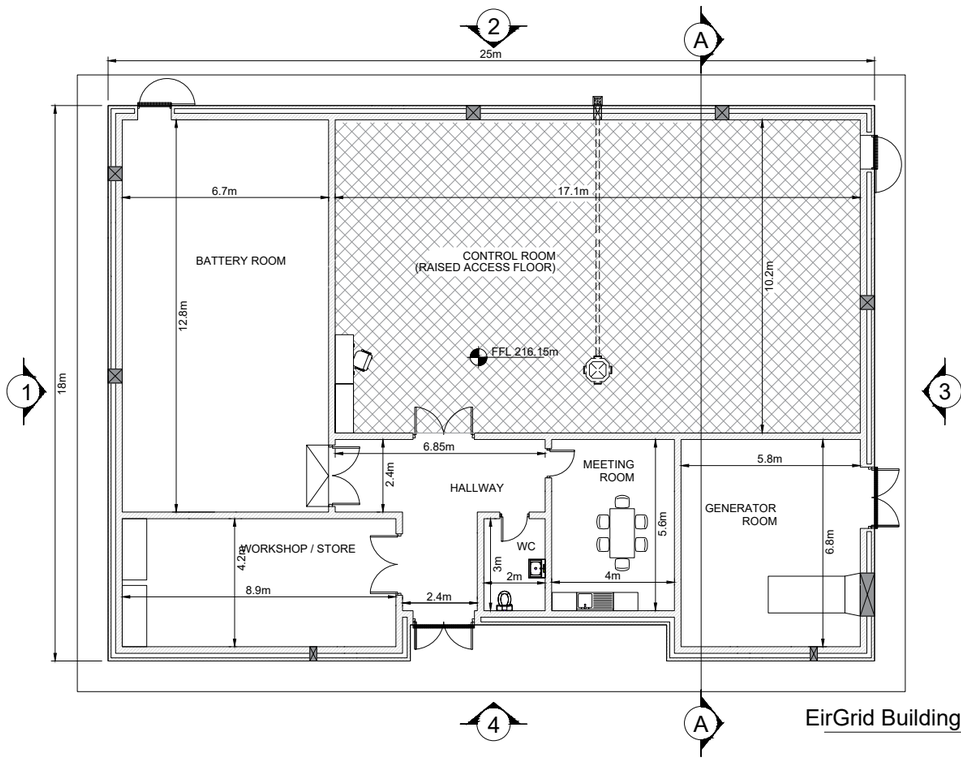
Email: info@www.mkoireland.ie /Website: www.mkoireland.ie

Drawing Notes

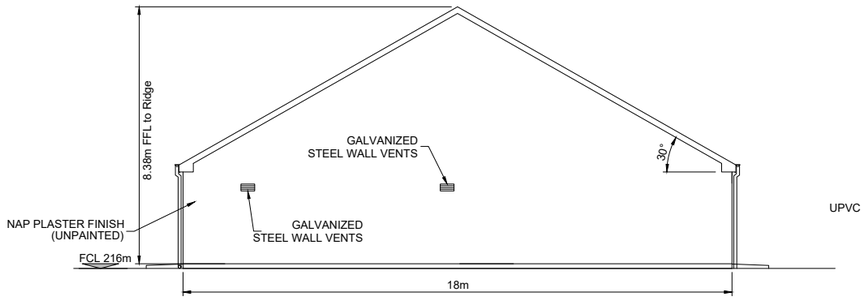
1. Layout and arrangements of substation buildings and electrical equipment is shown indicatively and for illustration purposes only as final specifications of buildings and electrical equipment is to be dictated by Eirgrid/ESB networks requirements.



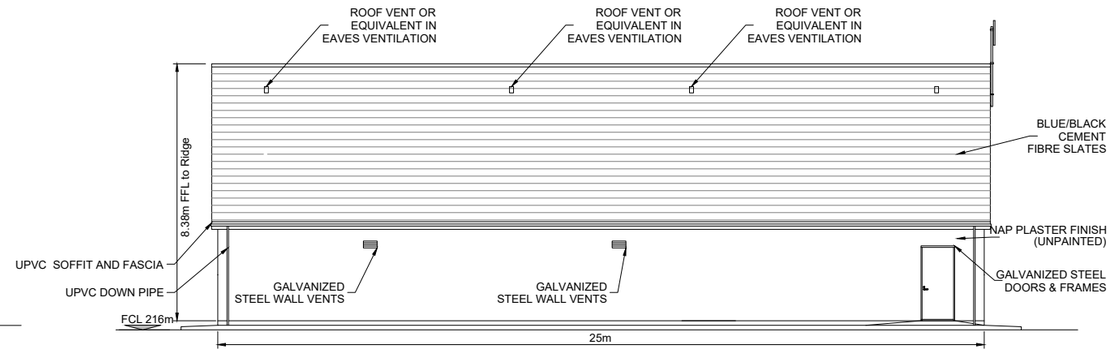
EirGrid Building Section A-A



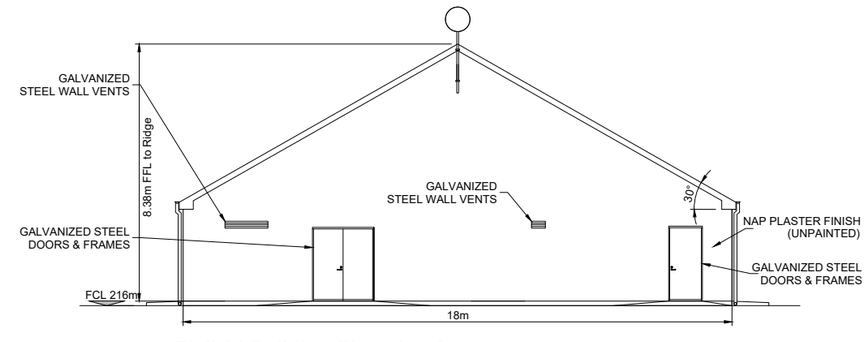
EirGrid Building Plan



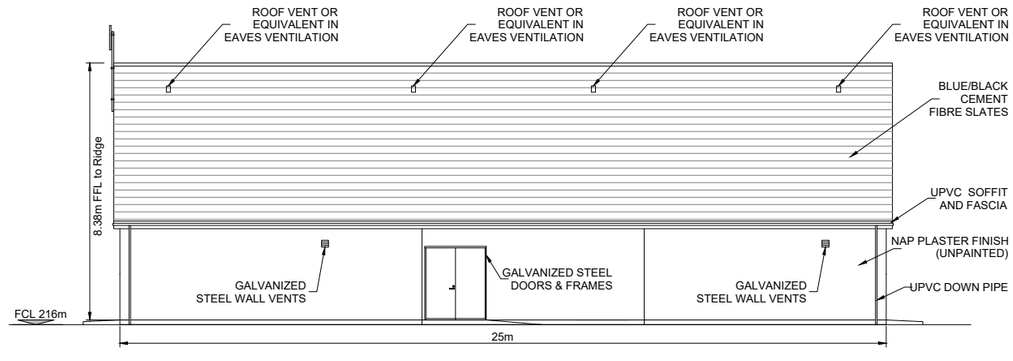
EirGrid Building Elevation 1



EirGrid Building Elevation 2



EirGrid Building Elevation 3



EirGrid Building Elevation 4

PROJECT TITLE:

Killoshulan Wind Farm, Co.Kilkenny

DRAWING TITLE:

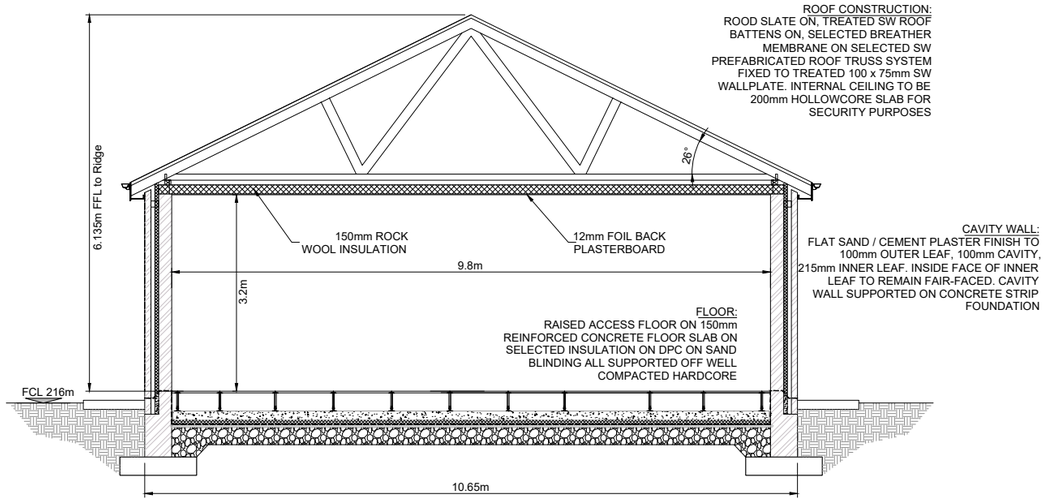
EirGrid Building Plan & Elevations

PROJECT No.:		DRAWING No.:	SCALE:
260172		260172-17	1:200 @ A3
DRAWN BY: KD	CHECKED BY: FR	DATE: 28.10.2026	REVISION.: KD

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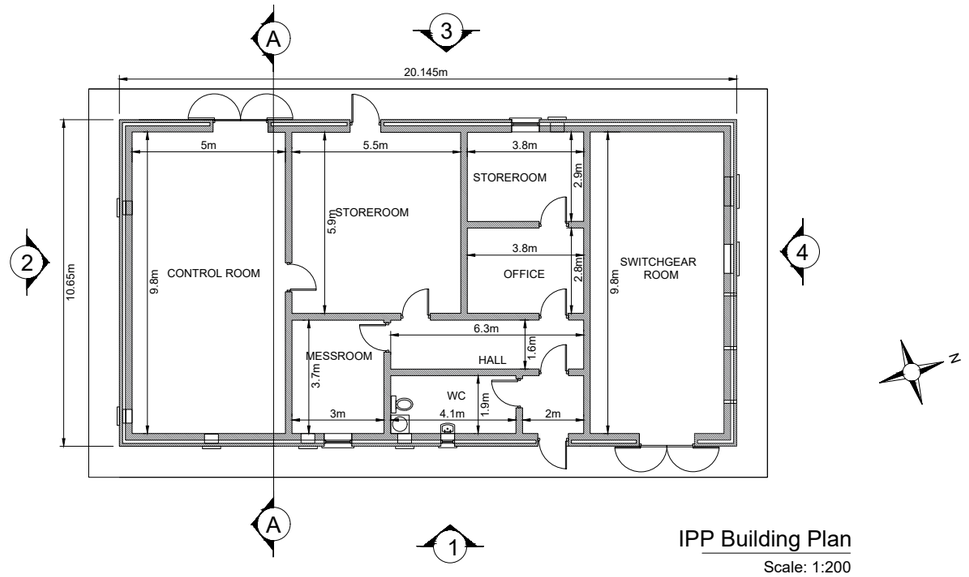
Drawing Notes

1. Layout and arrangements of substation buildings and electrical equipment is shown indicatively and for illustration purposes only as final specifications of buildings and electrical equipment is to be dictated by Eirgrid/ESB networks requirements.



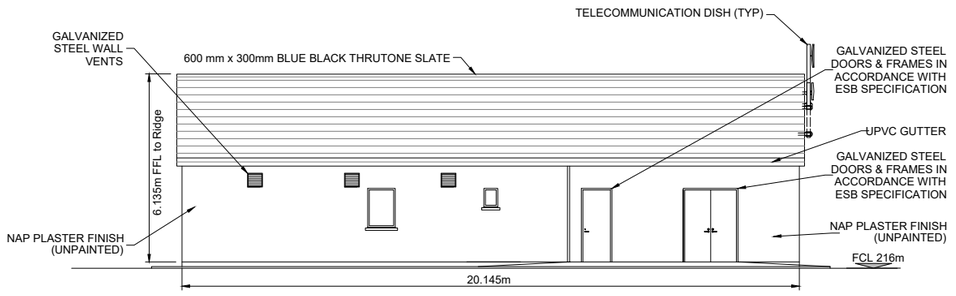
IPP Building Section A-A

Scale: 1:100



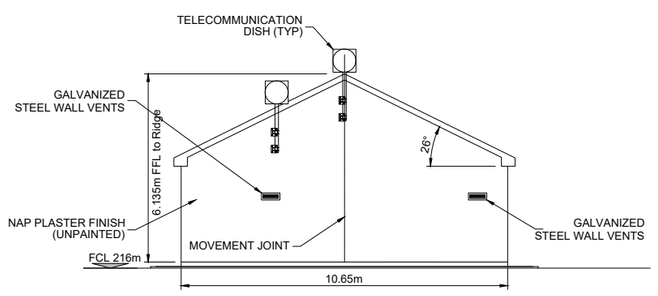
IPP Building Plan

Scale: 1:200



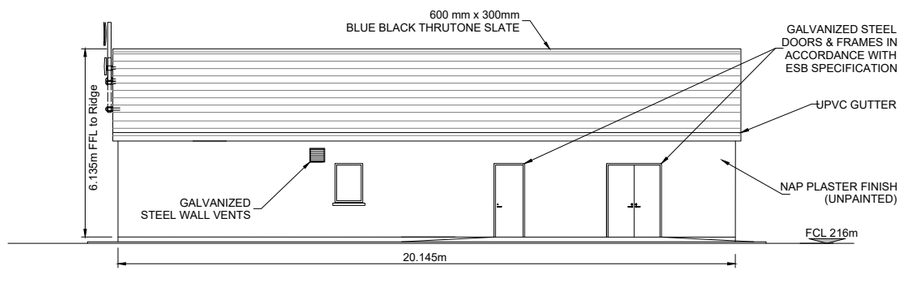
IPP Building Elevation 1

Scale: 1:200



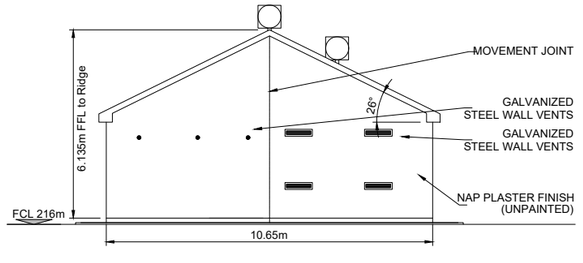
IPP Building Elevation 2

Scale: 1:200



IPP Building Elevation 3

Scale: 1:200



IPP Building Elevation 4

Scale: 1:200

PROJECT TITLE:

Killoshulan Wind Farm, Co.Kilkenny

DRAWING TITLE:

IPP Building Plan & Elevations

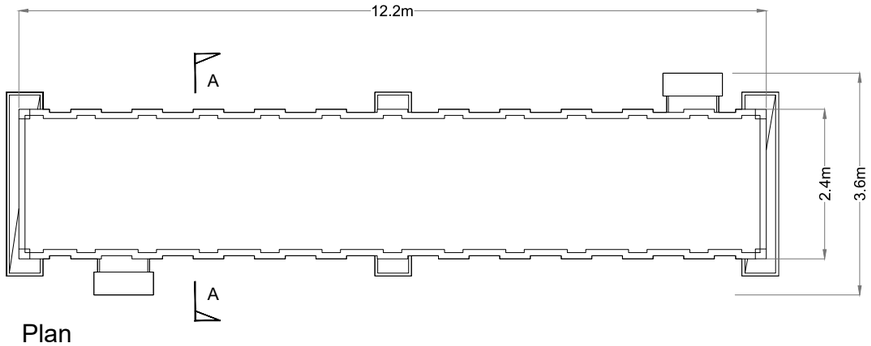
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DRAWN BY:	CHECKED BY:	DATE:	REVISION.:
KD	FR	28.10.2026	KD

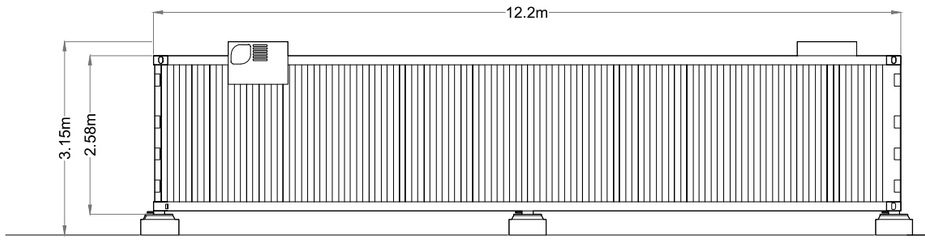
Email: info@www.mkoireland.ie /Website: www.mkoireland.ie

Drawing Notes

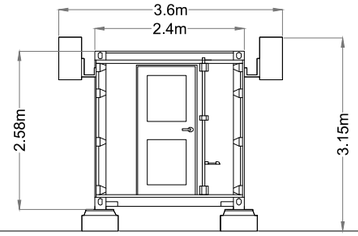
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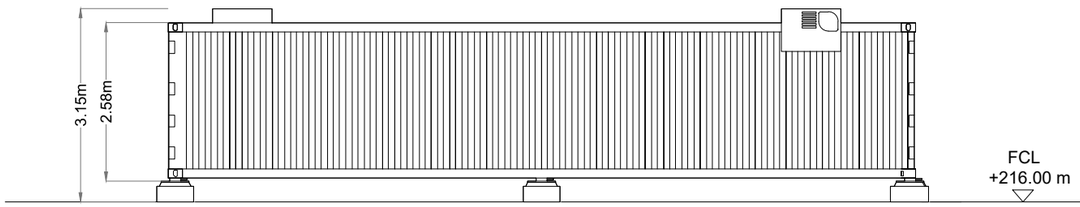
Plan
SCALE 1:100



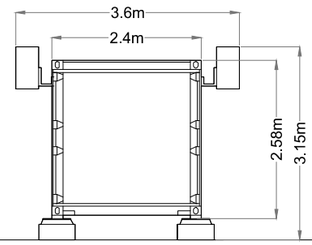
Front Elevation
SCALE 1:100



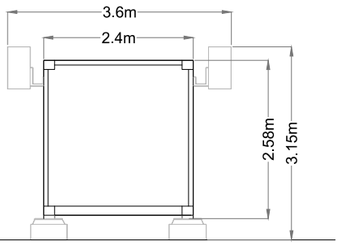
End Elevation
SCALE 1:100



Rear Elevation
SCALE 1:100

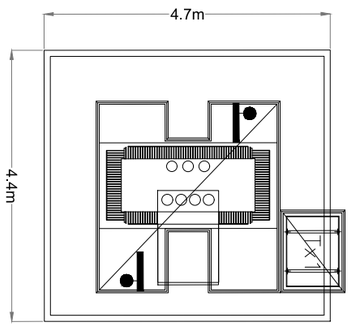


End Elevation
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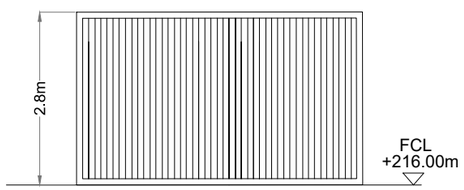


Section A-A
SCALE 1:100

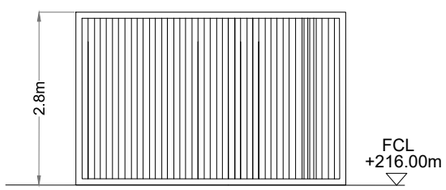
BATTERY STORAGE CONTAINER



Plan
SCALE 1:100



Front Elevation
SCALE 1:100



Side Elevation
SCALE 1:100

MV TRANSFORMER

PROJECT TITLE:

Killoshulan Wind Farm, Co.Kilkenny

DRAWING TITLE:

Battery Storage Container and MV Transformer Detail

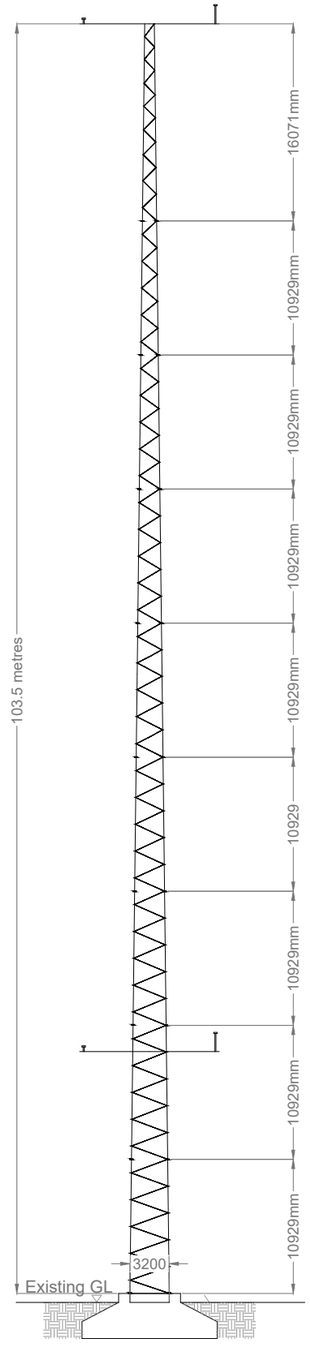
PROJECT No.:	DRAWING No.:	SCALE:
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DRAWN BY:	CHECKED BY:	DATE:	REVISION.:
KD	FR	28.10.2026	P01

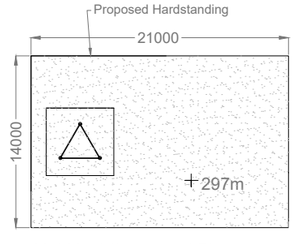
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Met Mast Elevation



Met Mast Compound Plan

PROJECT TITLE:
Killoshulan Wind Farm, Co.Kilkenny

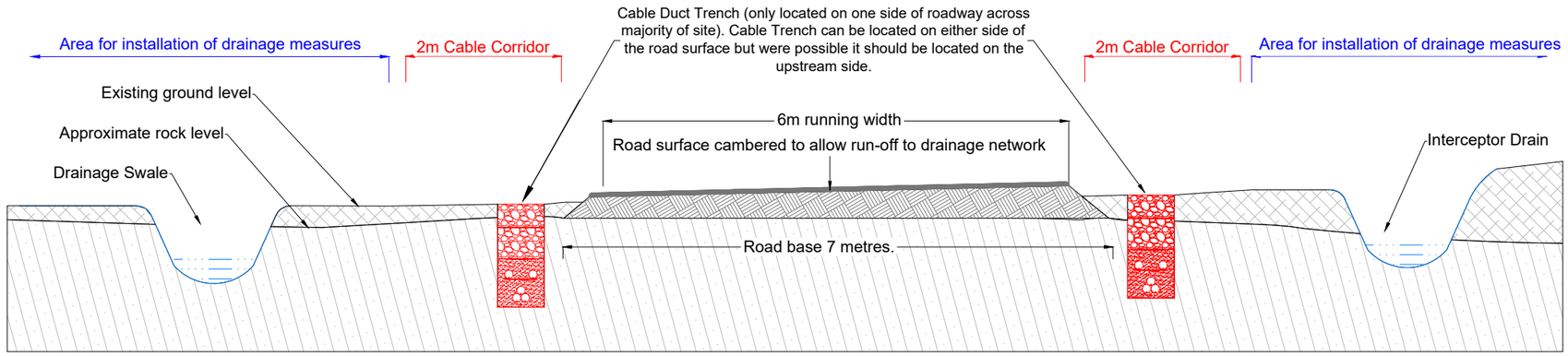
DRAWING TITLE:
Free Standing Met Mast

PROJECT No.:		DRAWING No.:	SCALE:
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DRAWN BY: KD	CHECKED BY: FR	DATE: 28.10.2026	REVISION.: P01

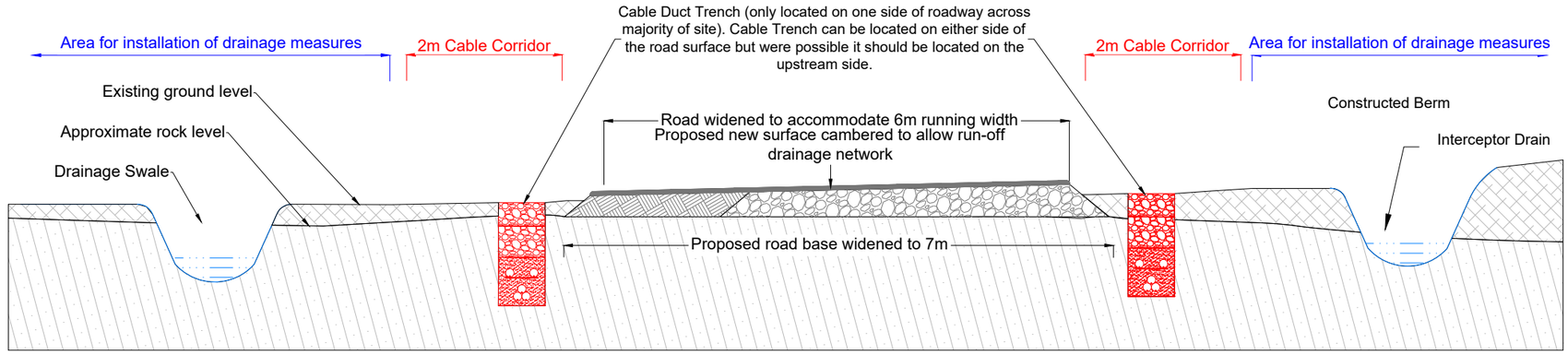
Email: info@www.mkoireland.ie /Website: www.mkoireland.ie

Drawing Notes

1. Widening can occur to either side of existing roads dependent on site conditions.
2. Depths of road fill to vary dependent on site conditions.



Typical excavated road section.



Typical existing excavated road widening section.

PROJECT TITLE: **Killoshulan Wind Farm, Co.Kilkenny**

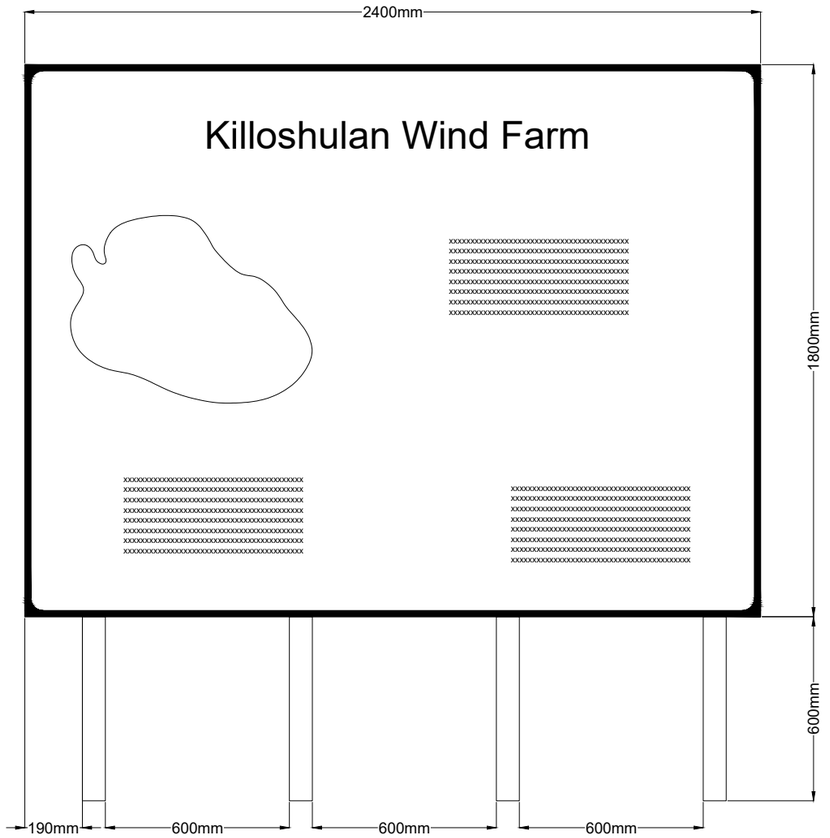
DRAWING TITLE: **Excavated Road Sections**

PROJECT No.:	DRAWING No.:	SCALE:
260172	260172-21	1:75 @ A3

DRAWN BY:	CHECKED BY:	DATE:	REVISION.:
KD	FR	28.10.2026	P01

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Note
For illustrative purposes only
exact details to be confirmed

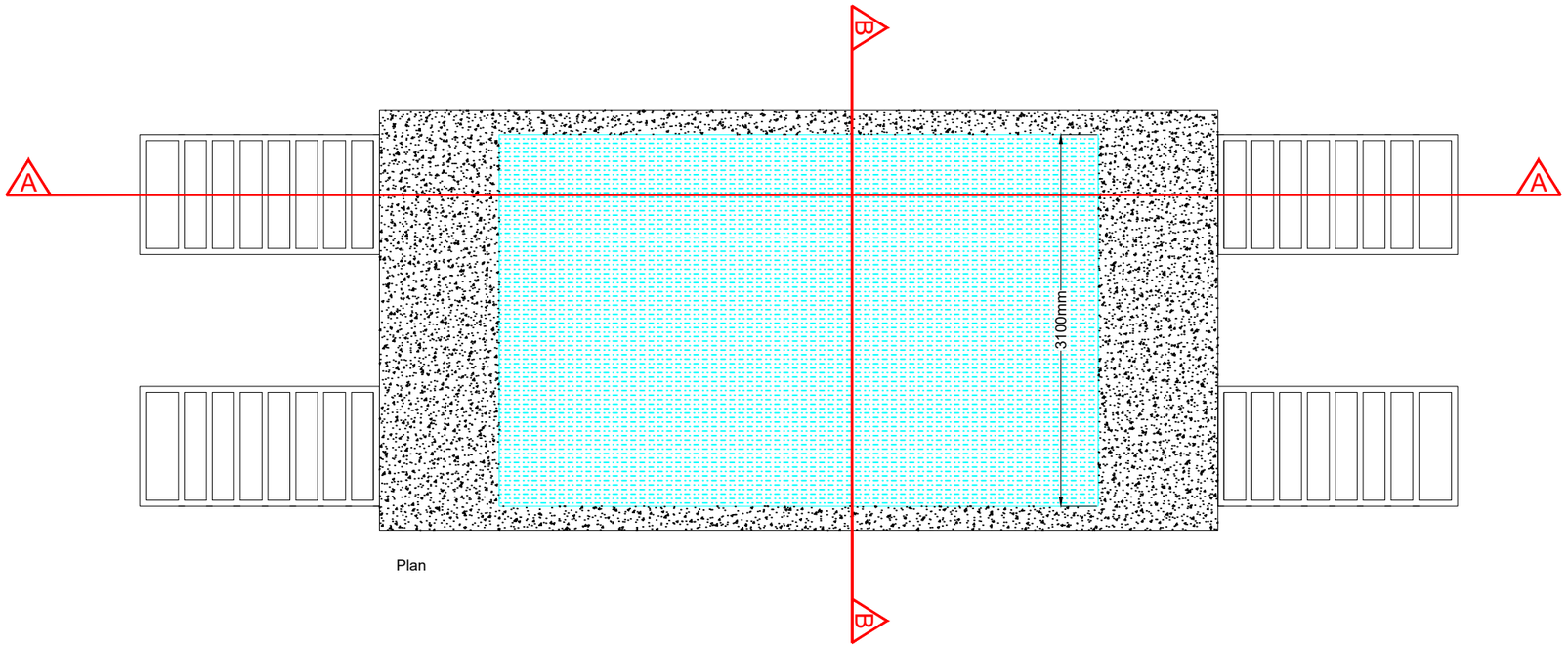


Entry Point Signage Detail
Elevation

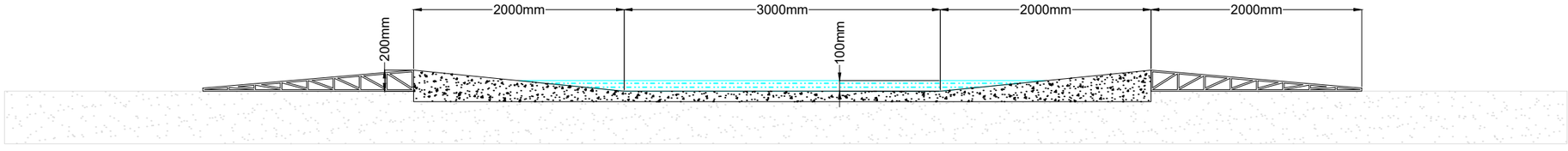
PROJECT TITLE: **Killoshulan Wind Farm, Co.Kilkenny**			
DRAWING TITLE: **Permanent Signage Detail**			
PROJECT No.: **260172**		DRAWING No.: **260172-22**	SCALE: **1 :20 @ A3**
DRAWN BY: **KD**	CHECKED BY: **FR**	DATE: **28.10.2026**	REVISION.: P01

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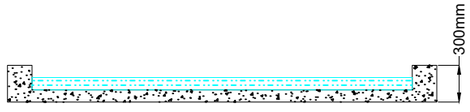
Note
Wheel washes will be appropriately located at all entrances used during construction of the wind farm



Plan



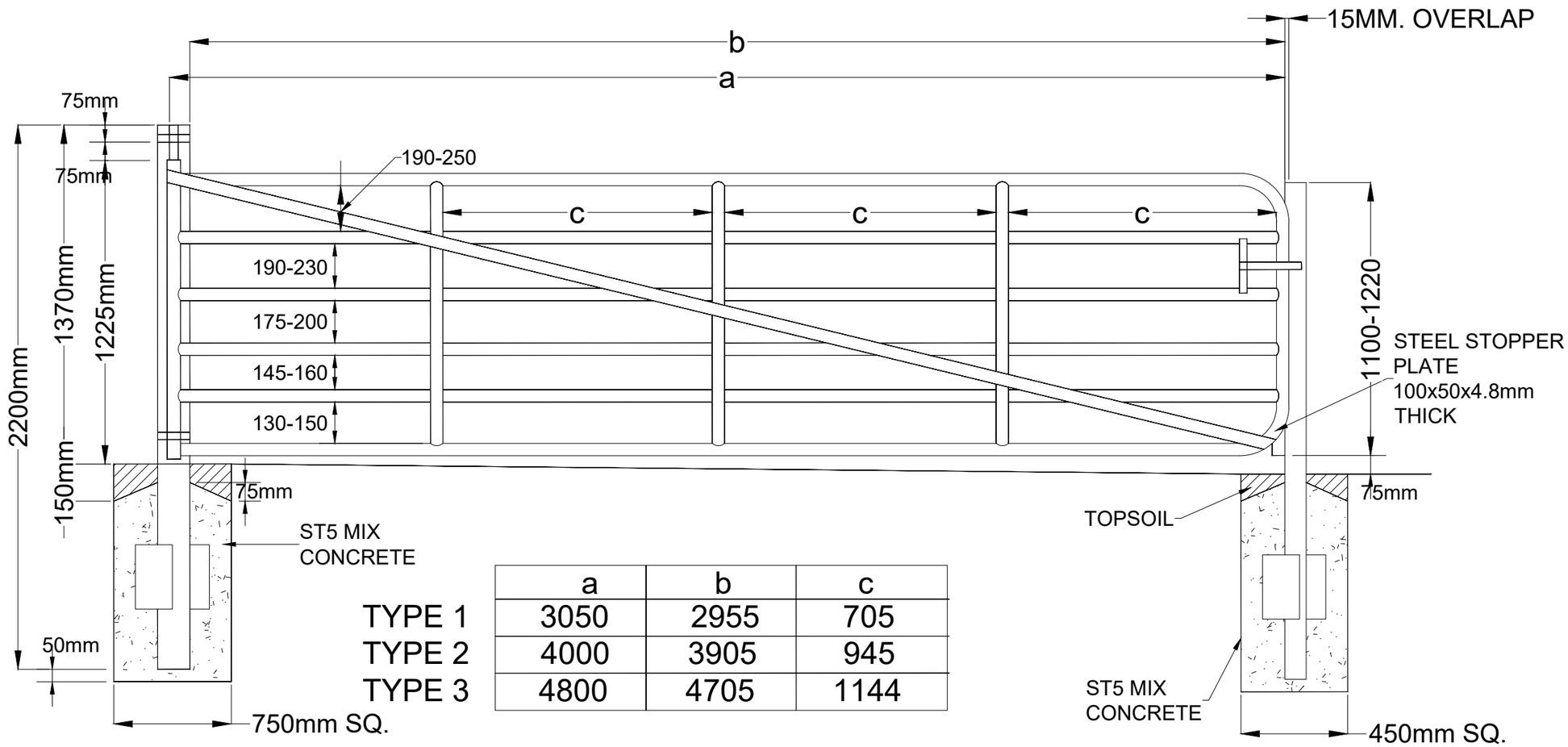
Section A-A



Section B-B

PROJECT TITLE: **Killoshulan Wind Farm, Co.Kilkenny**			
DRAWING TITLE: **Wheel Wash Detail**			
PROJECT No.: **260172**		DRAWING No.: **260172-23**	SCALE: **1:50 @ A3**
DRAWN BY: **KD**	CHECKED BY: **FR**	DATE: **28.10.2026**	REVISION.: P01

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	a	b	c
TYPE 1	3050	2955	705
TYPE 2	4000	3905	945
TYPE 3	4800	4705	1144

ELEVATION

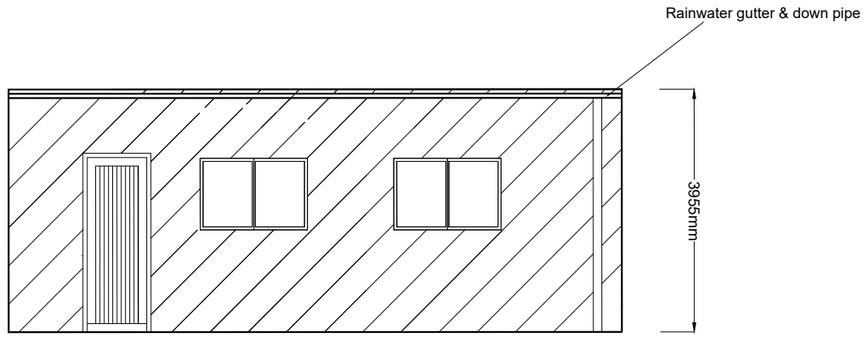
PROJECT TITLE: **Killoshulan Wind Farm, Co.Kilkenny**

DRAWING TITLE: **Field Gate Detail**

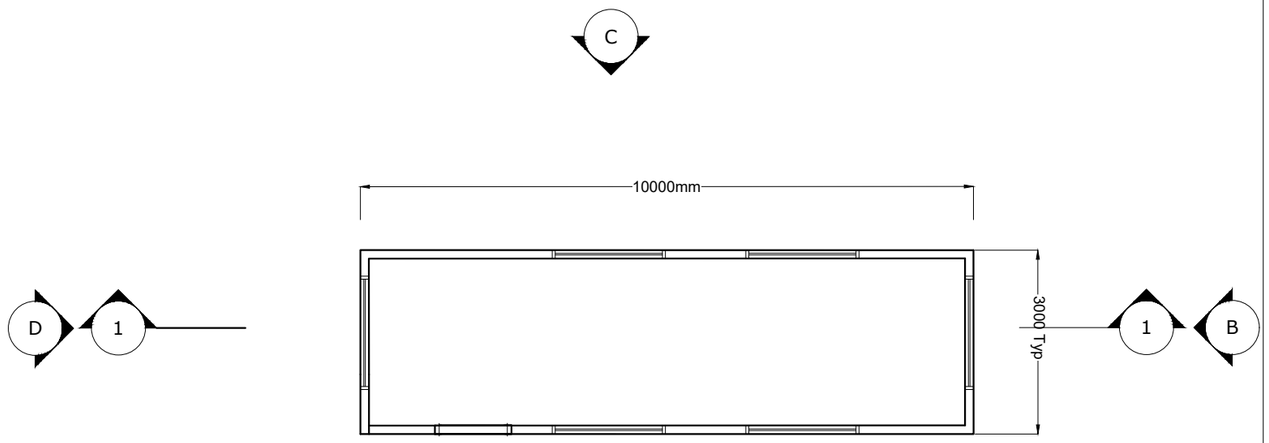
PROJECT No.:	DRAWING No.:	SCALE:
260172	260172-24	1: 20 @ A3

DRAWN BY:	CHECKED BY:	DATE:	REVISION.:
KD	FR	28.10.2026	KD

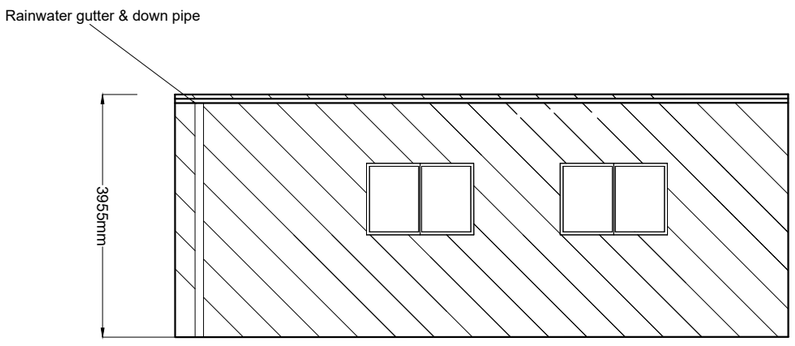
Email: info@www.mkoireland.ie /Website: www.mkoireland.ie



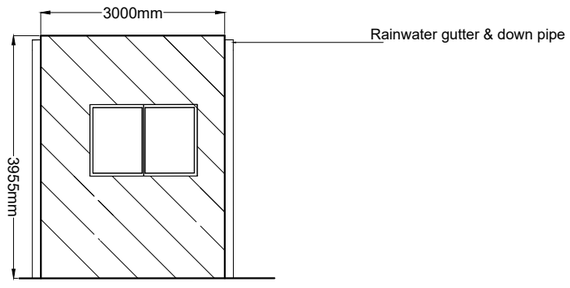
Elevation A



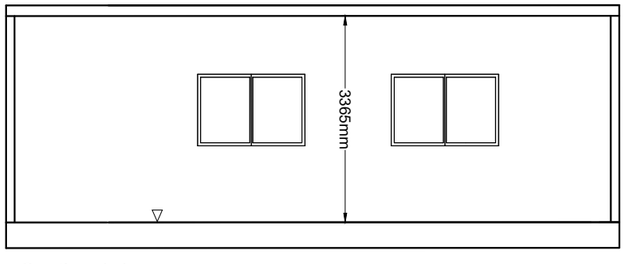
Plan View



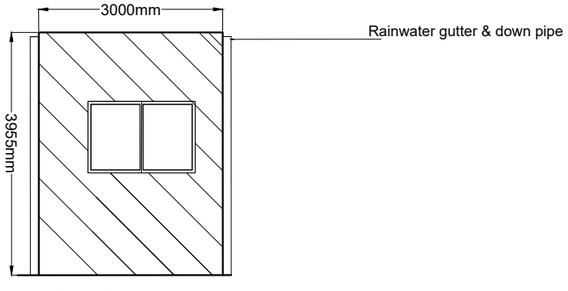
Elevation C



Elevation B



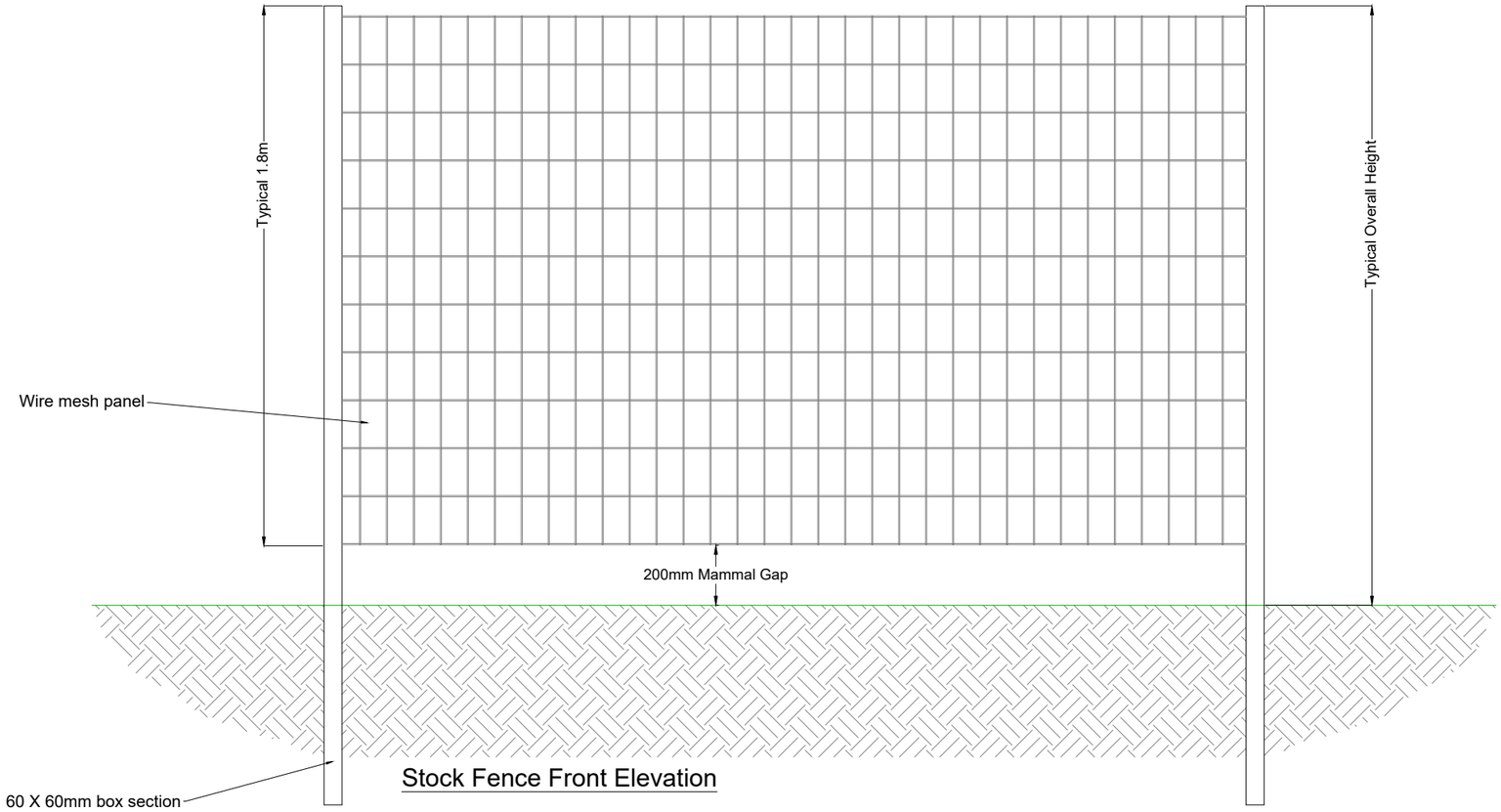
Section 1-1



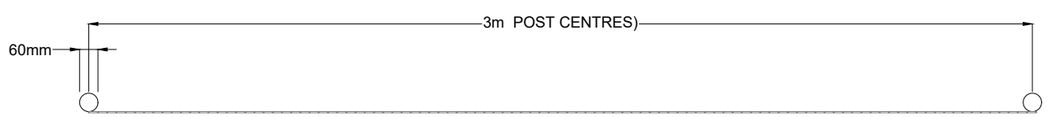
Elevation D

PROJECT TITLE: **Killoshulan Wind Farm, Co.Kilkenny**			
DRAWING TITLE: **Site Office & Staff Facilities Detail**			
PROJECT No.: **260172**		DRAWING No.: **260172-25**	SCALE: **1:100 @ A3**
DRAWN BY: **KD**	CHECKED BY: **FR**	DATE: **28.10.2026**	REVISION.: P01

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Stock Fence Front Elevation



Stock Fence Plan



INDICATIVE IMAGE



INDICATIVE IMAGE

Note:

All dimensions are in millimetres, unless noted otherwise.

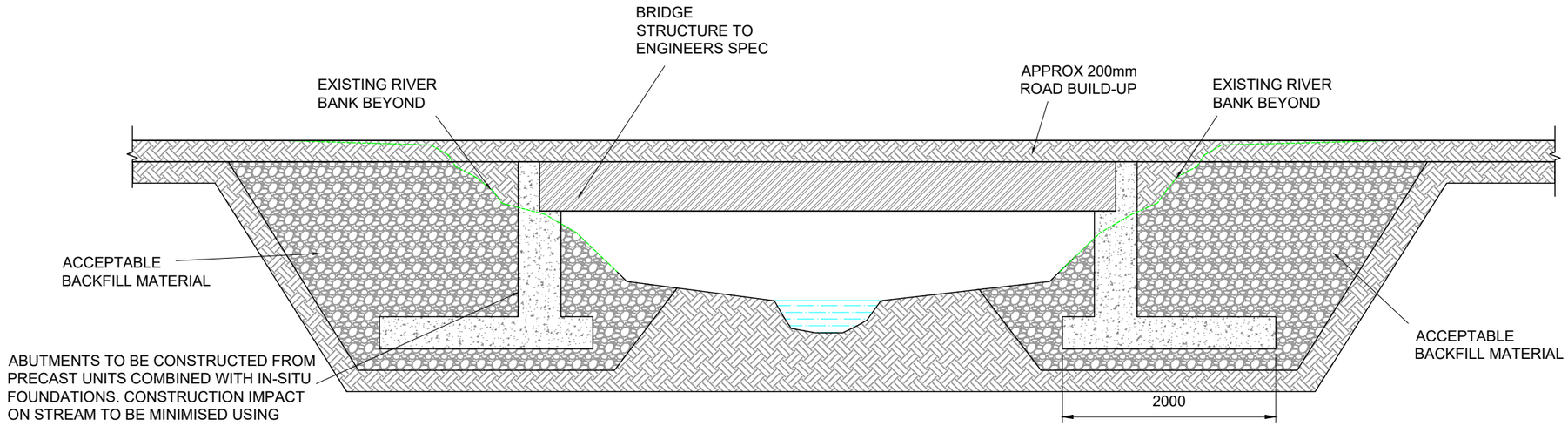
All dimensions to be checked on site and any discrepancy to be reported to the engineer.

Figured dimensions only to be used, drawings not to be scaled. If in doubt ask.

For illustration purposes only. Exact size and appearance of unit subject to manufacturer selection.

PROJECT TITLE: **Killoshulan Wind Farm, Co.Kilkenny**			
DRAWING TITLE: **Stock Fence Detail, Elevation & Indicative Images**			
PROJECT No.: **260172**		DRAWING No.: **260172-26**	SCALE: **1:20 @ A3**
DRAWN BY: **KD**	CHECKED BY: **FR**	DATE: **28.10.2026**	REVISION.: P01

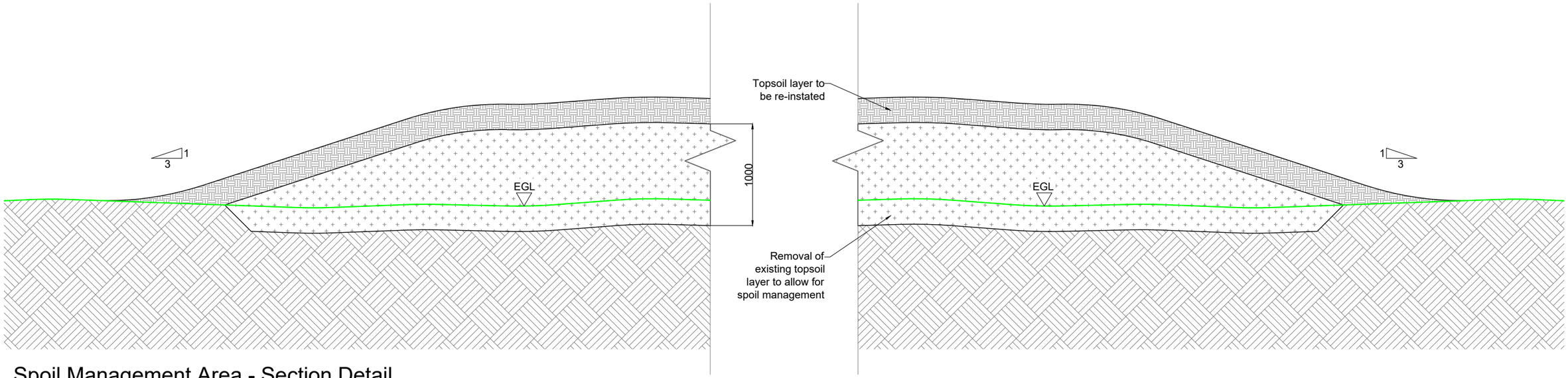
Email: info@www.mkoireland.ie /Website: www.mkoireland.ie



SECTION
Scale 1:50

PROJECT TITLE: **Killoshulan Wind Farm, Co.Kilkenny**			
DRAWING TITLE: **Clear Span Watercourse Crossing**			
PROJECT No.: **260172**		DRAWING No.: **260172-27**	SCALE: **1:50 @ A3**
DRAWN BY: **KD**	CHECKED BY: **FR**	DATE: **28.10.2026**	REVISION.: P01

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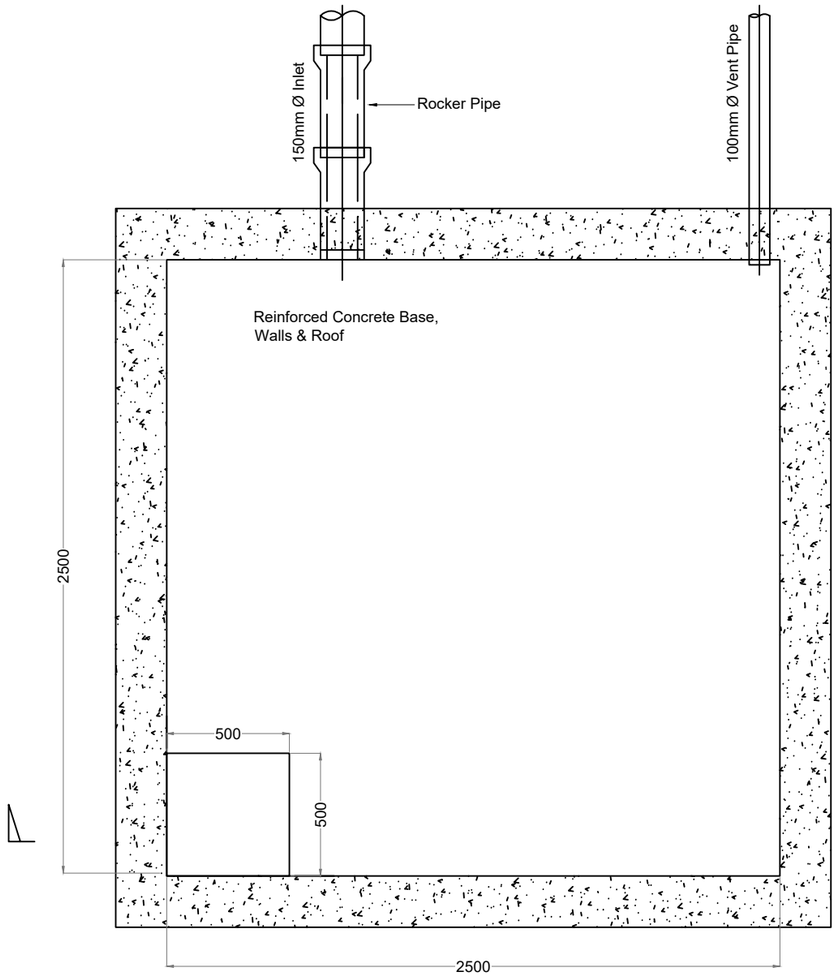


Spoil Management Area - Section Detail

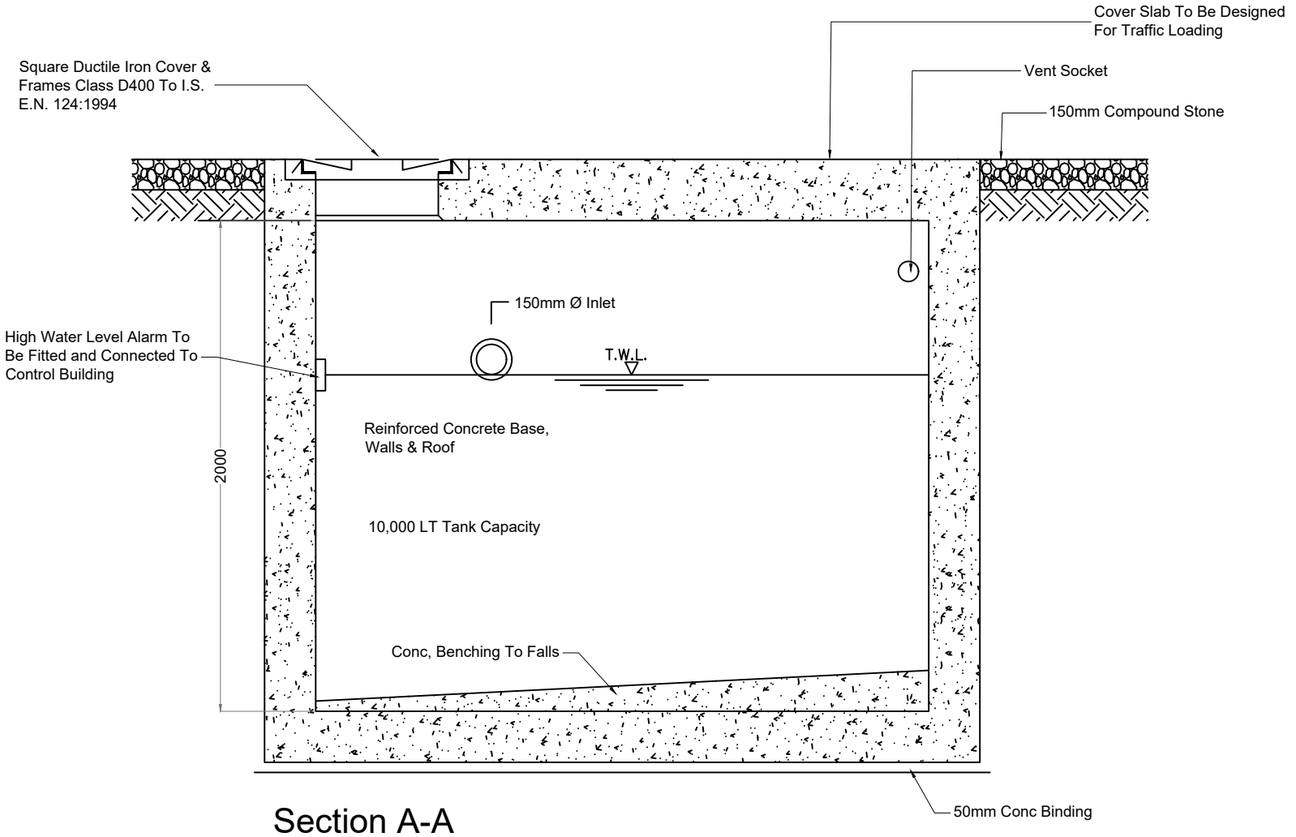
Scale 1:40

PROJECT TITLE: **Killoshulan Wind Farm, Co.Kilkenny**			
DRAWING TITLE: **Spoil Management Areas**			
PROJECT No.: **260172**		DRAWING No.: **260172-28**	SCALE: **1:40 @ A3**
DRAWN BY: **KD**	CHECKED BY: **FR**	DATE: **28.10.2026**	REVISION.: KD

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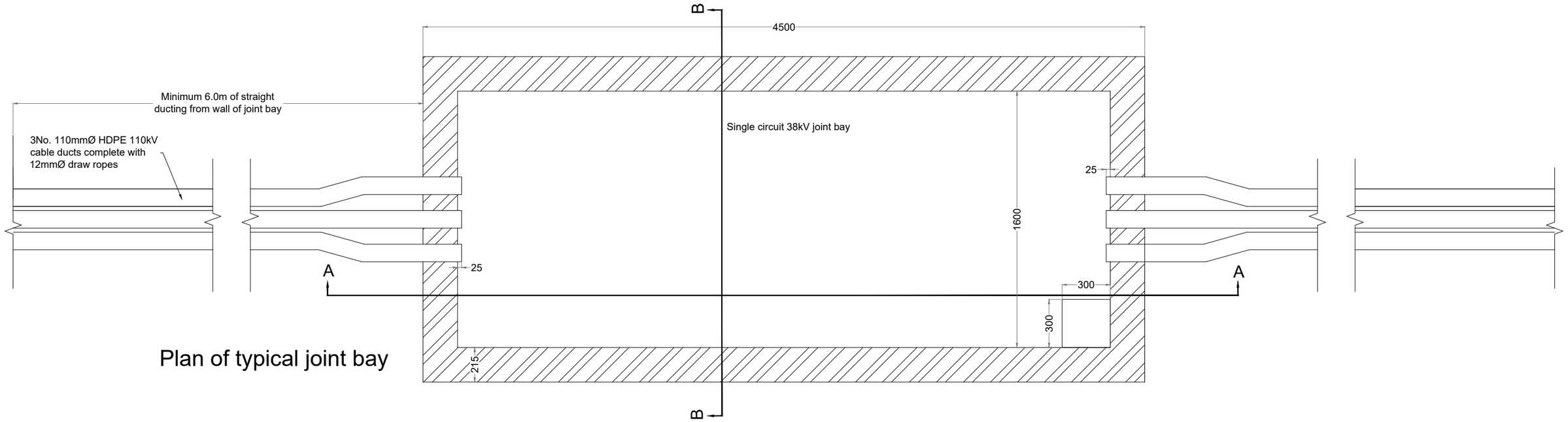
Plan - Foul Water Holding Tank



Section A-A

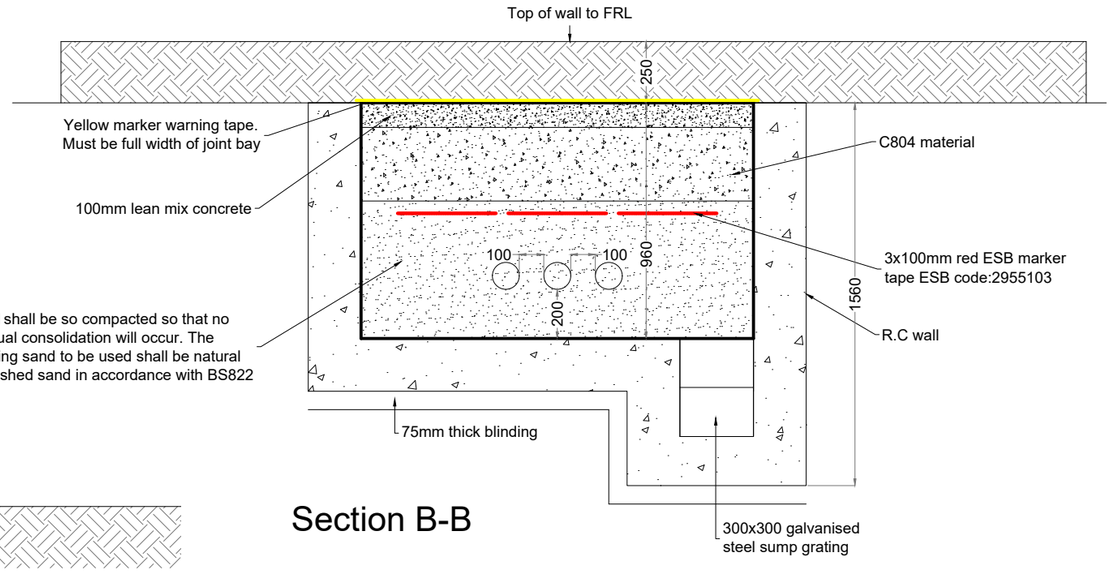
PROJECT TITLE: **Killoshulan Wind Farm, Co.Kilkenny**			
DRAWING TITLE: **Foul Water Holding Tank Detail**			
PROJECT No.: **260172**		DRAWING No.: **260172-29**	SCALE: **1:25 @ A3**
DRAWN BY: **KD**	CHECKED BY: **FR**	DATE: **28.10.2026**	REVISION.: P01

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

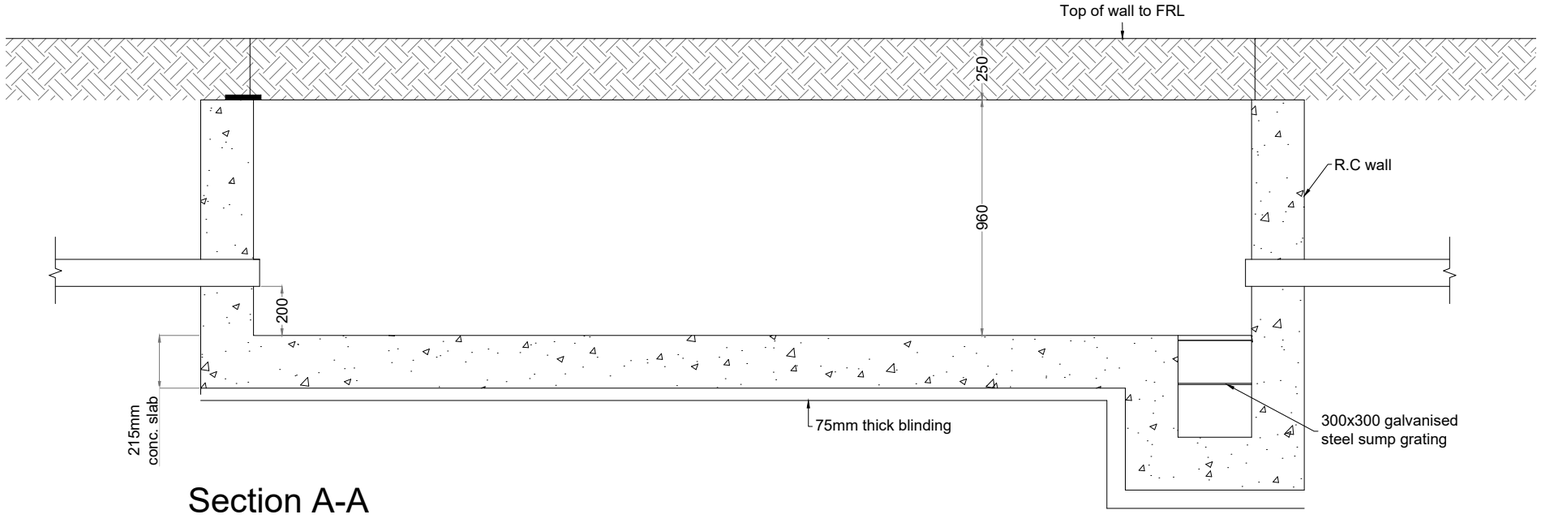


Plan of typical joint bay

Note:
Comms Chamber, as shown in Dwg No. 231102-44, to be located adjacent to Joint Bay



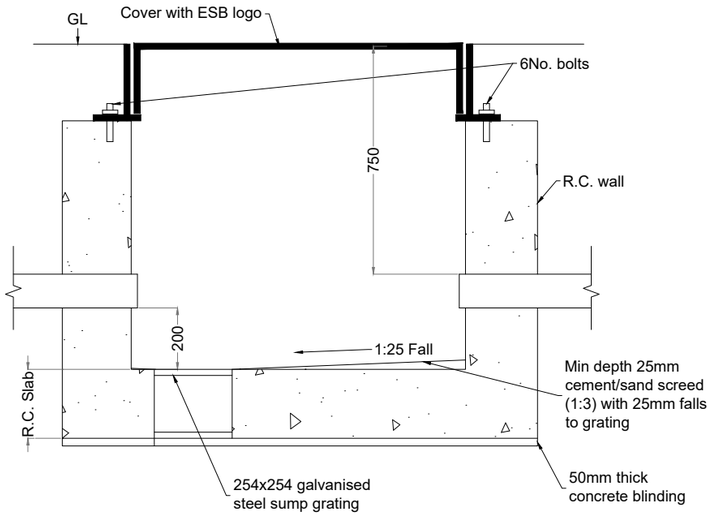
Section B-B



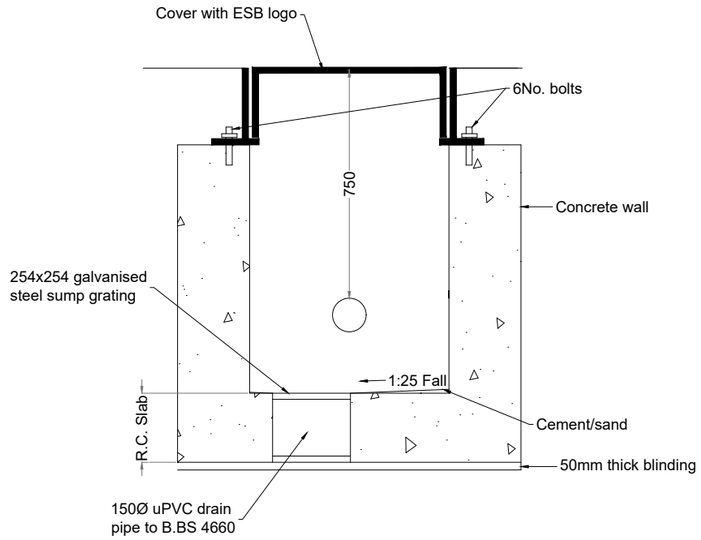
Section A-A

PROJECT TITLE: **Killoshulan Wind Farm, Co.Kilkenny**			
DRAWING TITLE: **Joint Bay Detail**			
PROJECT No.: **260172**		DRAWING No.: **260172-30**	SCALE: **1:25 @ A3**
DRAWN BY: **KD**	CHECKED BY: **FR**	DATE: **28.10.2026**	REVISION.: P01

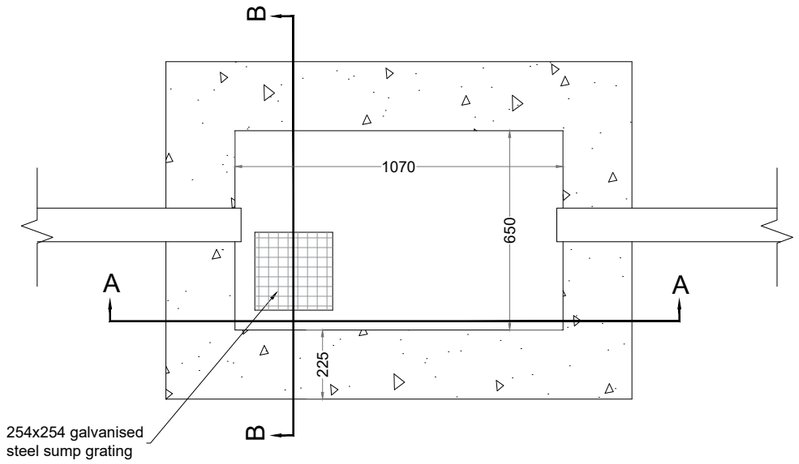
Email: info@www.mkoireland.ie /Website: www.mkoireland.ie



Section A-A



Section B-B



Plan of typical C2
communications chamber

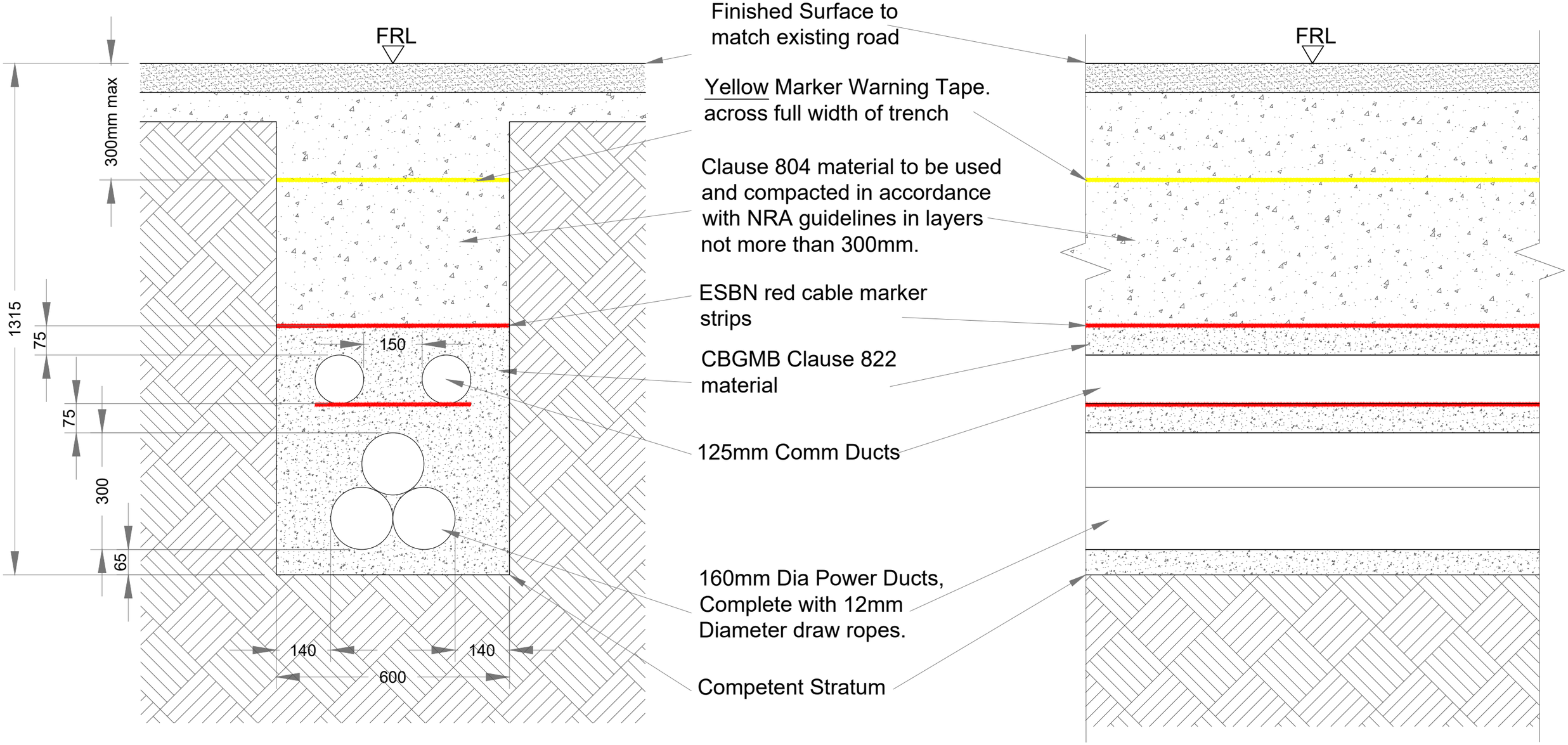
PROJECT TITLE: **Killoshulan Wind Farm, Co.Kilkenny**

DRAWING TITLE: **C2 Comms Chamber Detail**

PROJECT No.:	DRAWING No.:	SCALE:
260172	260172-31	1:20 @ A3

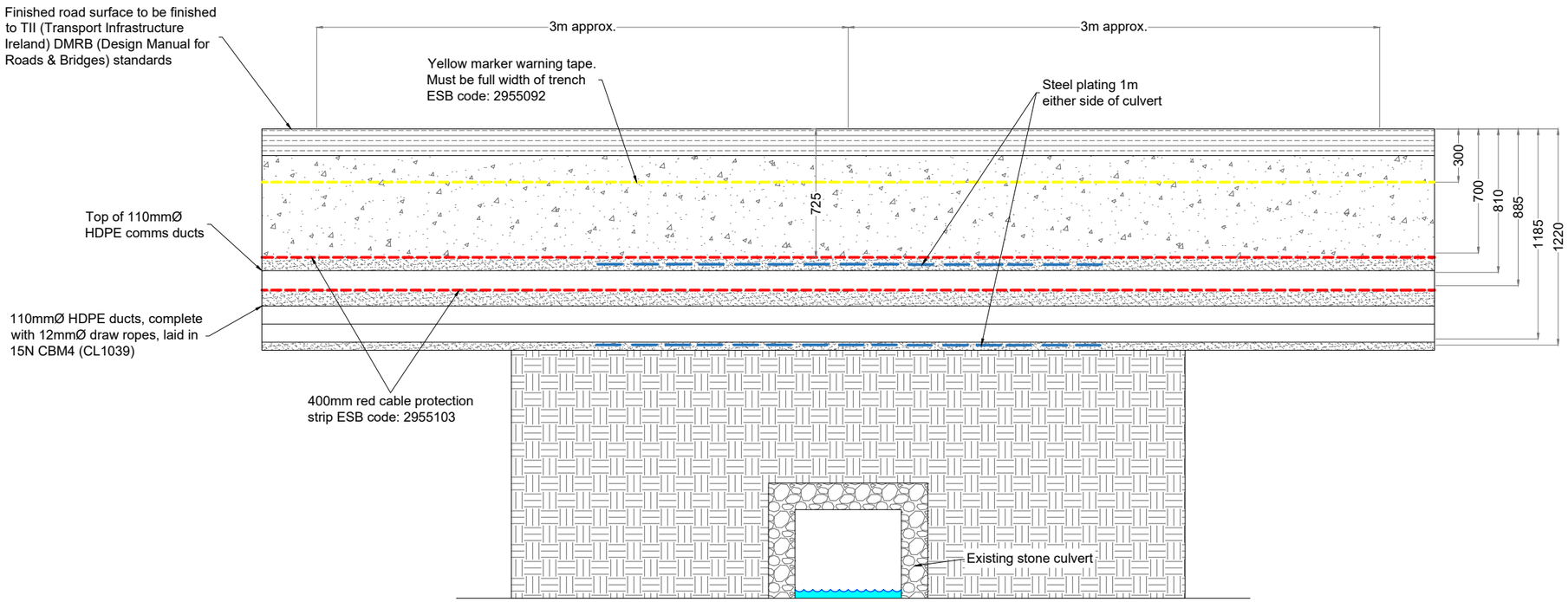
DRAWN BY:	CHECKED BY:	DATE:	REVISION.:
KD	FR	28.10.2026	KD

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

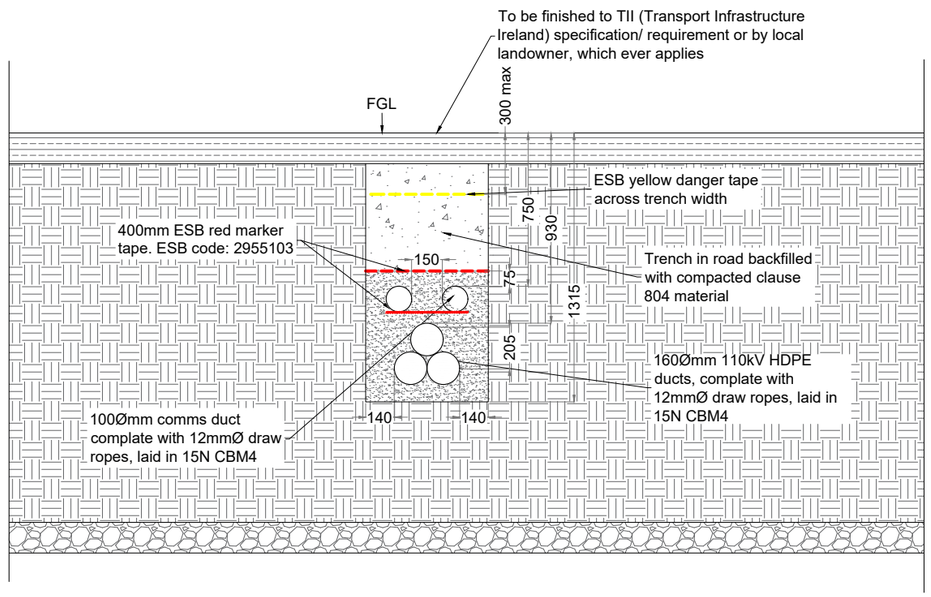


PROJECT TITLE: **Killoshulan Wind Farm, Co.Kilkenny**			
DRAWING TITLE: **Roadside Cable Trench Cross Section**			
PROJECT No.: **260172**		DRAWING No.: **260172-32**	SCALE: **1: 10 @ A3**
DRAWN BY: **KD**	CHECKED BY: **FR**	DATE: **28.10.2026**	REVISION.: P01

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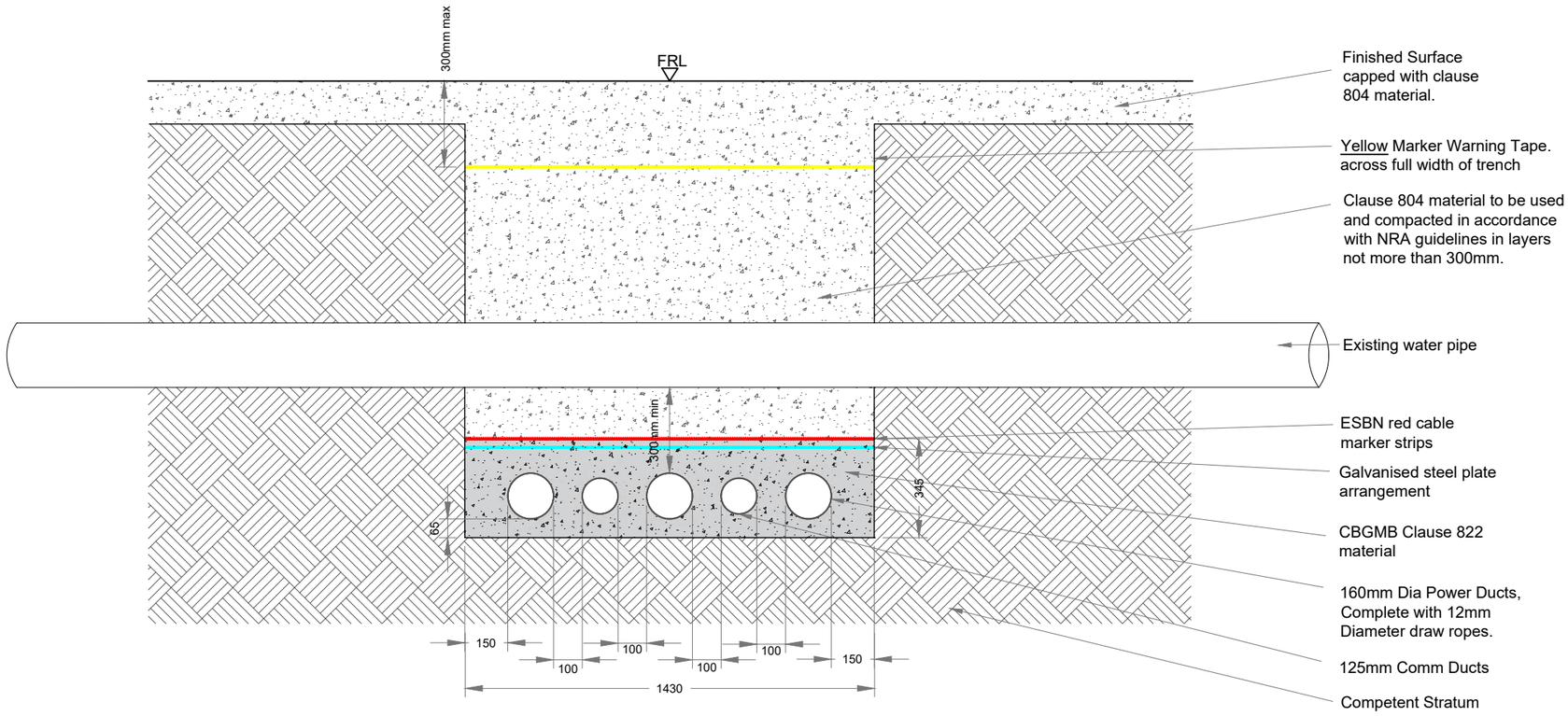
Longitudal section at watercourse crossing



Cross section at watercourse crossing

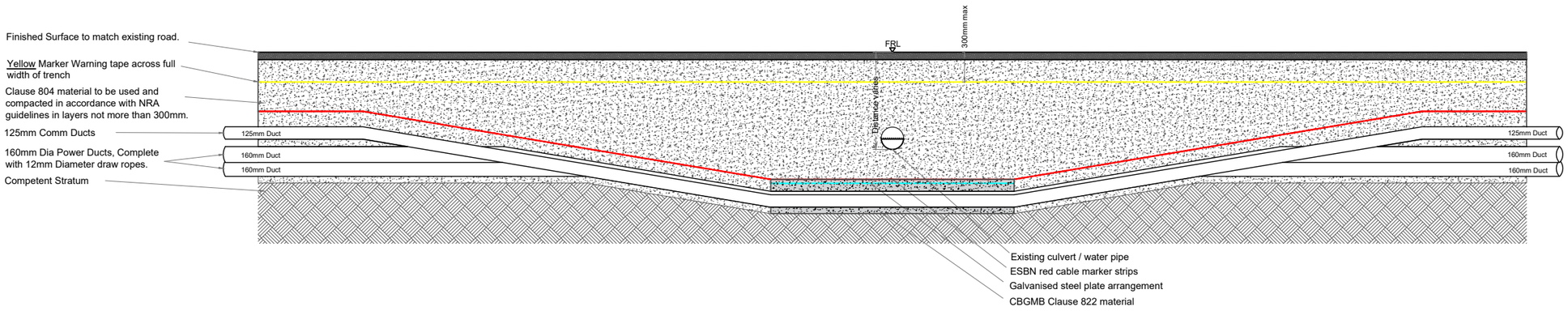
PROJECT TITLE: **Killoshulan Wind Farm, Co.Kilkenny**			
DRAWING TITLE: **Cable Trench Over Culvert**			
PROJECT No.: **260172**		DRAWING No.: **260172-33**	SCALE: **1:30 @ A3**
DRAWN BY: **KD**	CHECKED BY: **FR**	DATE: **28.10.2026**	REVISION.: P01

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Flat bed under existing pipe - 110kV

SCALE 1:20



Flat bed under existing pipe - 110kV

SCALE 1:50

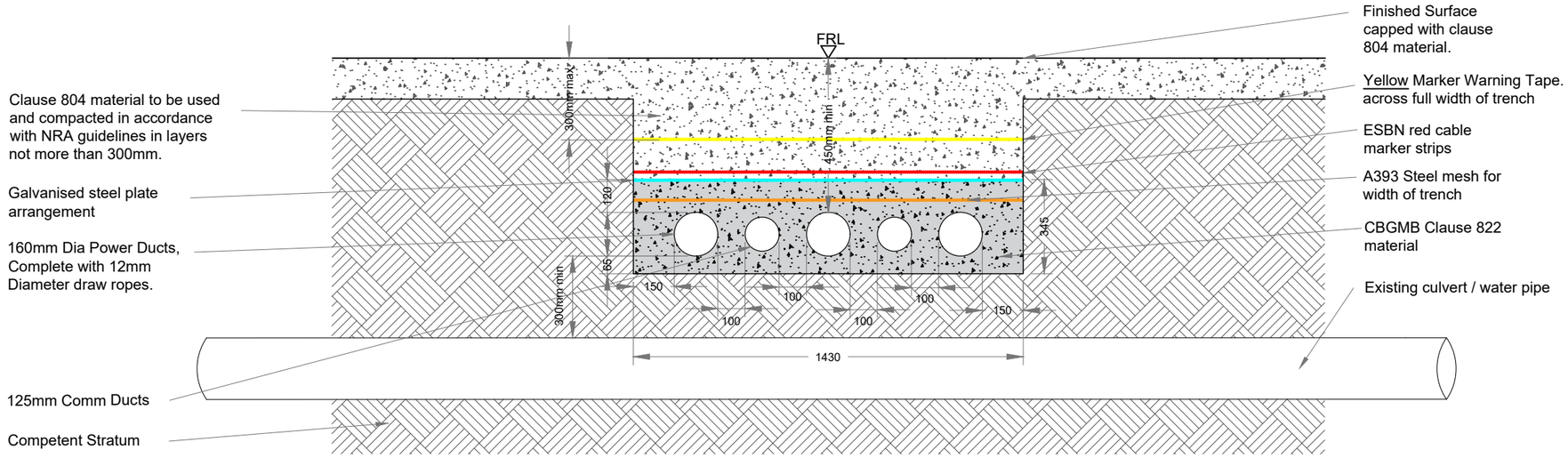
PROJECT TITLE: **Killoshulan Wind Farm, Co.Kilkenny**

DRAWING TITLE: **Cable Trench Under Piped Culvert**

PROJECT No.:	DRAWING No.:	SCALE:
260172	260172-34	As Shown @ A3

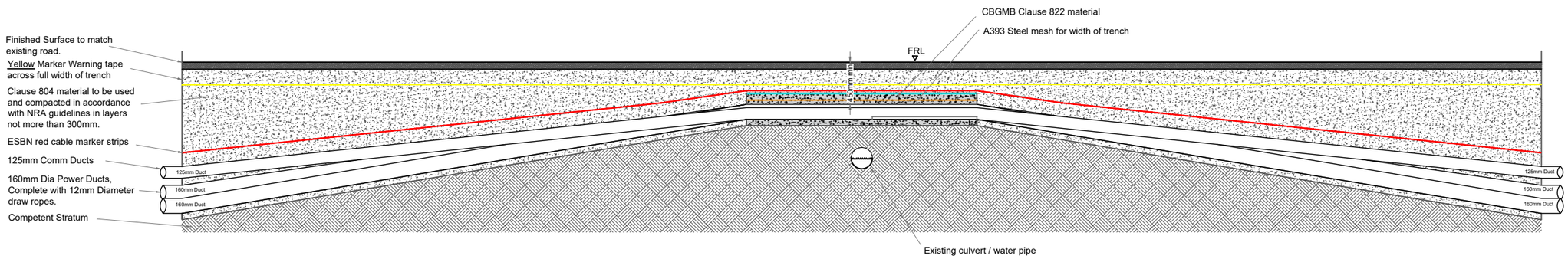
DRAWN BY:	CHECKED BY:	DATE:	REVISION.:
KD	FR	28.10.2026	P01

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



Flat bed over existing pipe - 110kV

SCALE 1:20



Flat Bed Over Existing Pipe - 110kV

SCALE 1:50

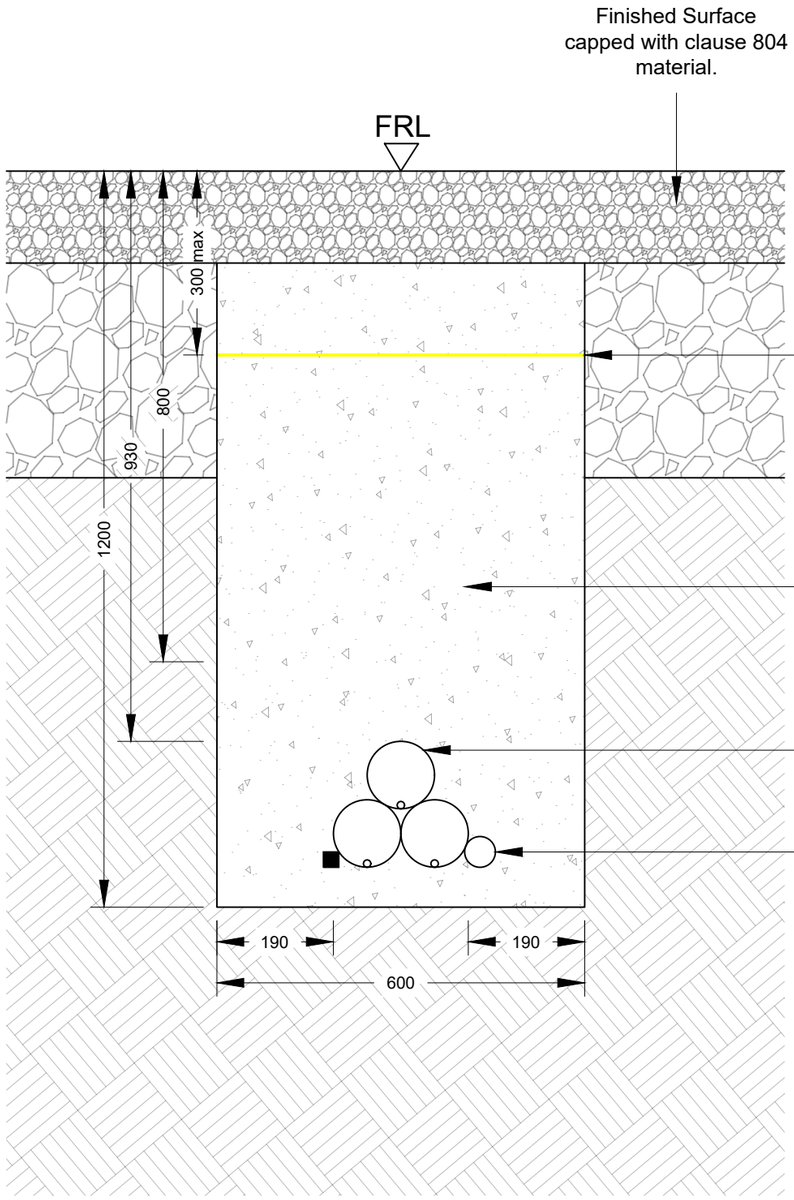
PROJECT TITLE:
Killoshulan Wind Farm, Co.Kilkenny

DRAWING TITLE:
Cable Trench Flatbed Formation Over Piped Culvert

PROJECT No.:	DRAWING No.:	SCALE:
260172	260172-35	As Shown @ A3

DRAWN BY:	CHECKED BY:	DATE:	REVISION.:
KD	FR	28.10.2026	KD

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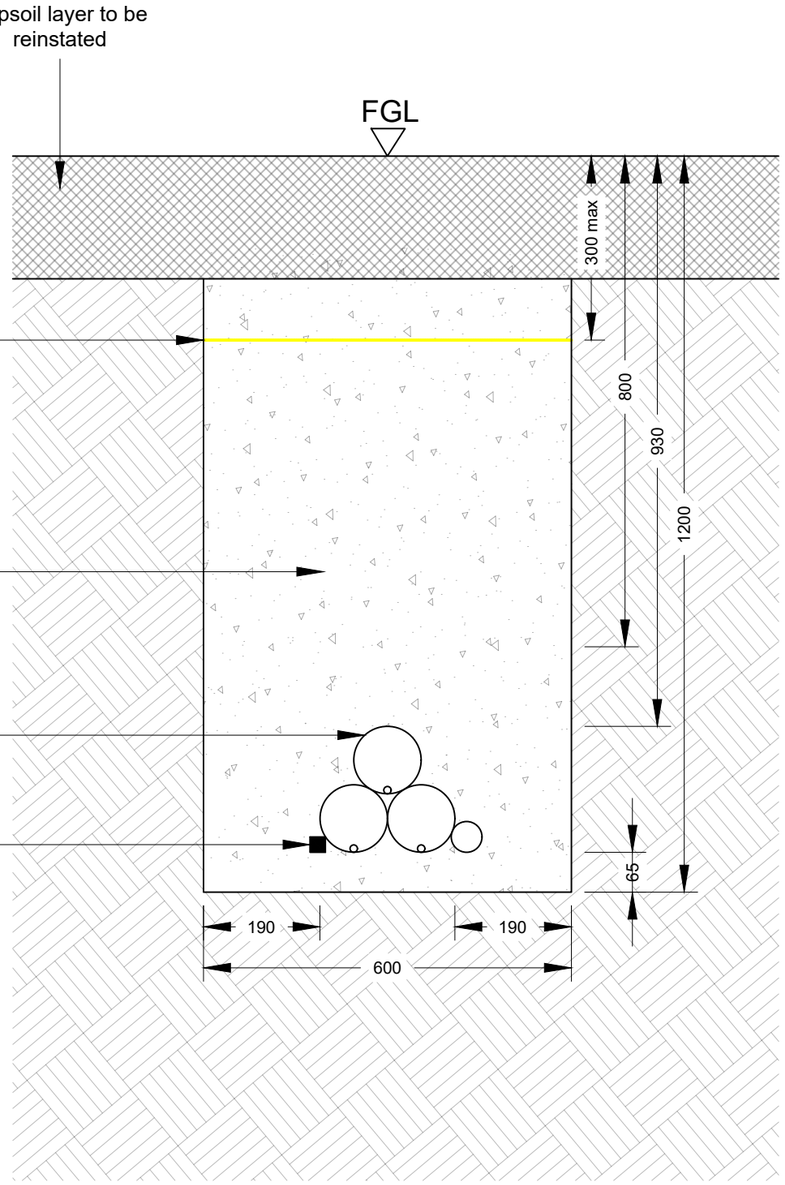
Yellow Marker Warning Tape. across full width of trench

Trench backfilled with clause 804 material and compacted in accordance with NRA guidlines.

110mm Diameter Ducts, complete with 12mm Diameter draw ropes.

50mm Diameter solid wall fibre optic cable ducting.

25mm Square earth conductor.

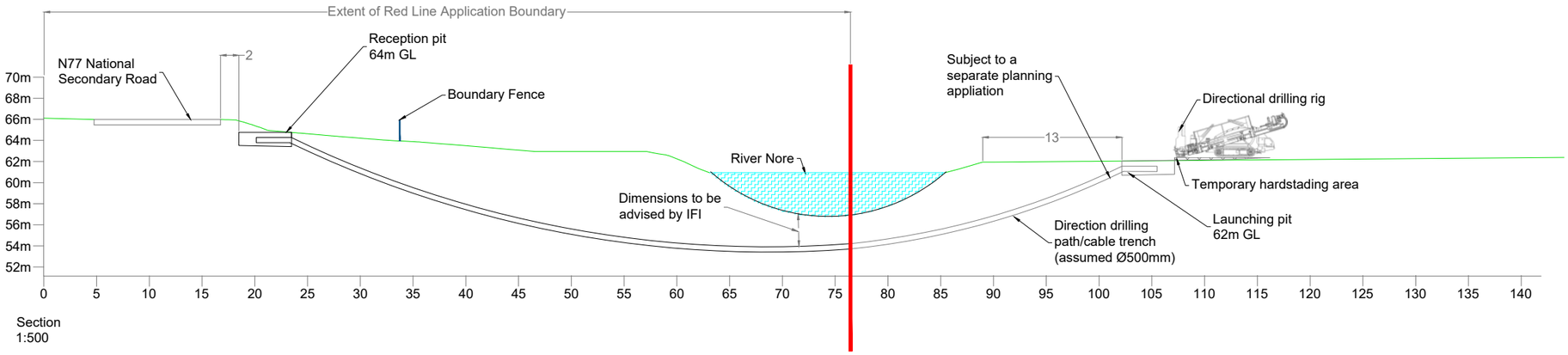


33kV Cable - On Road Trench Detail - Cross Section

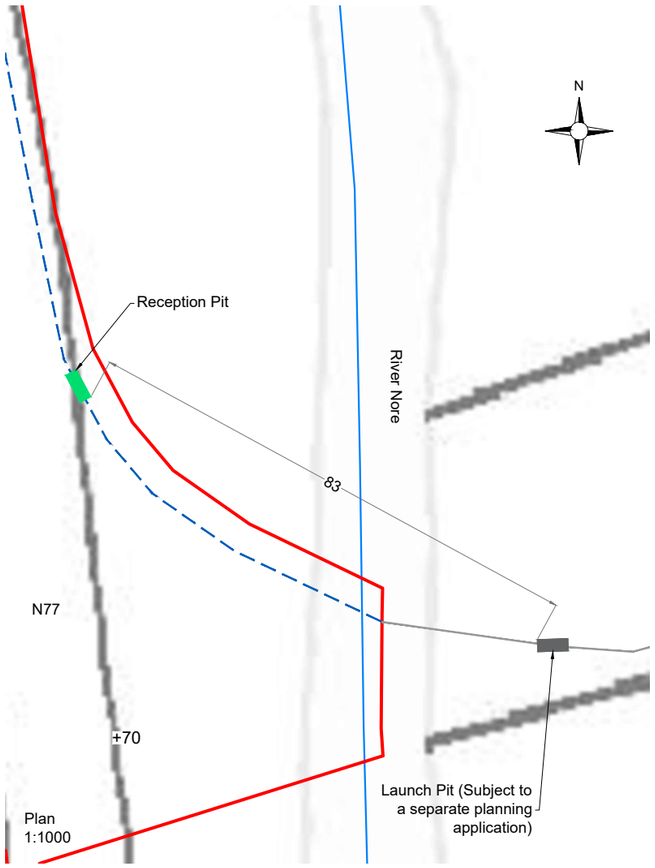
33kV Cable - Off Road Trench Detail - Cross Section

PROJECT TITLE: Killoshulan Wind Farm, Co.Kilkenny			
DRAWING TITLE: 33kV Cable Trench Sections			
PROJECT No.: 260172	DRAWING No.: 260172-36		SCALE: 1: 10 @ A3
DRAWN BY: KD	CHECKED BY: FR	DATE: 28.10.2026	REVISION.: KD

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Section
1:500



Plan
1:1000



Directional Drilling Rig



Drilling Rig & Launch Pit

PROJECT TITLE:
Killoshulan Wind Farm, Co.Kilkenny

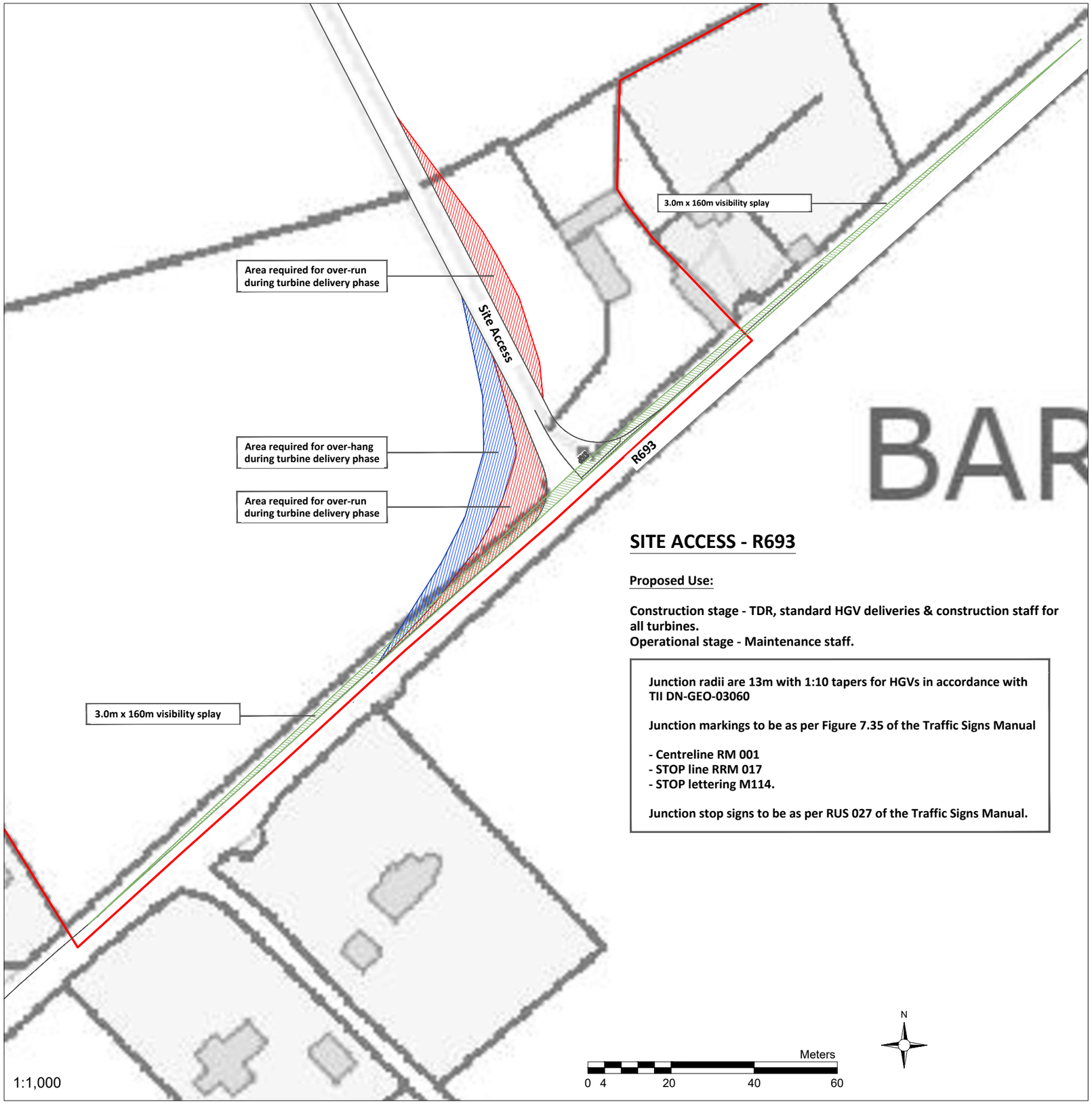
DRAWING TITLE:
Directional Drilling

PROJECT No.:	DRAWING No.:	SCALE:
260172	260172-37	as shown @ A3

DRAWN BY:	CHECKED BY:	DATE:	REVISION.:
KD	FR	28.10.2026	P01

OS Sheet No:
4404, 4405, 4406, 4407, 4408, 4462, 4463, 4464,4465, 4466, 4521,4522, 4523, 4524, 4525, 4581, 4582, 4583, 4584, 4585, 4640, 4641, 4642, 4643, 4644

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SITE ACCESS - R693

Proposed Use:

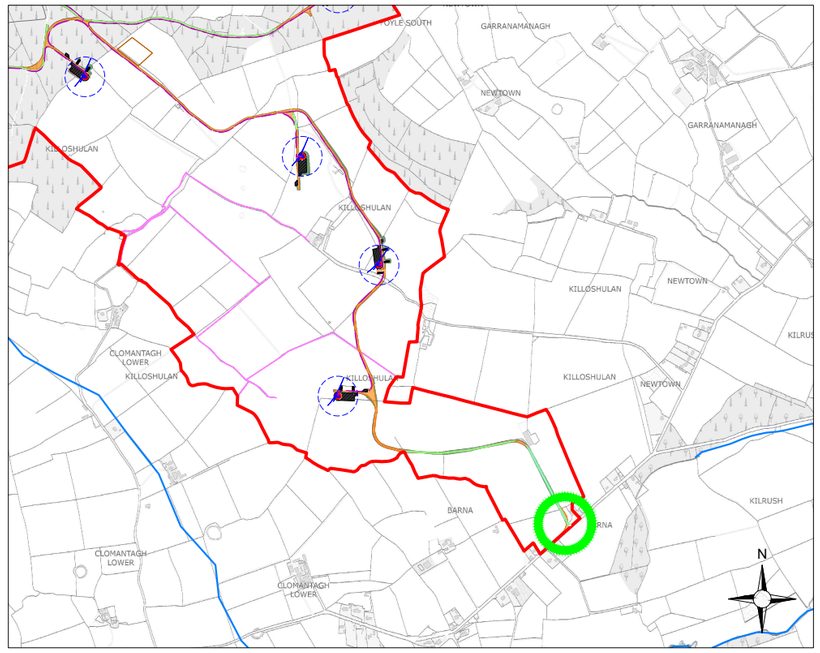
Construction stage - TDR, standard HGV deliveries & construction staff for all turbines.
Operational stage - Maintenance staff.

Junction radii are 13m with 1:10 tapers for HGVs in accordance with TII DN-GEO-03060

Junction markings to be as per Figure 7.35 of the Traffic Signs Manual

- Centreline RM 001
- STOP line RRM 017
- STOP lettering M114.

Junction stop signs to be as per RUS 027 of the Traffic Signs Manual.



1:25,000 Location on Context Map

Drawing Legend

- Proposed Track
- Transport Runover Area
- Blade Overhang Area
- Sight Line
- Proposed Application Boundary

PROJECT TITLE: **Killoshulan Wind Farm, Co.Kilkenny**			
DRAWING TITLE: **Proposed Access Junction**			
PROJECT No.: **260172**		DRAWING No.: **260172-38**	SCALE: **1:1,000 @ A3**
DRAWN BY: **KD**	CHECKED BY: **FR**	DATE: **28.10.2026**	REVISION.: P01
OS Sheet No: 4404, 4405, 4406, 4407, 4408, 4462, 4463, 4464, 4465, 4466, 4521, 4522, 4523, 4524, 4525, 4581, 4582, 4583, 4584, 4585, 4640, 4641, 4642, 4643, 4644			

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