

Appendix 1-1 – Planning Drawings



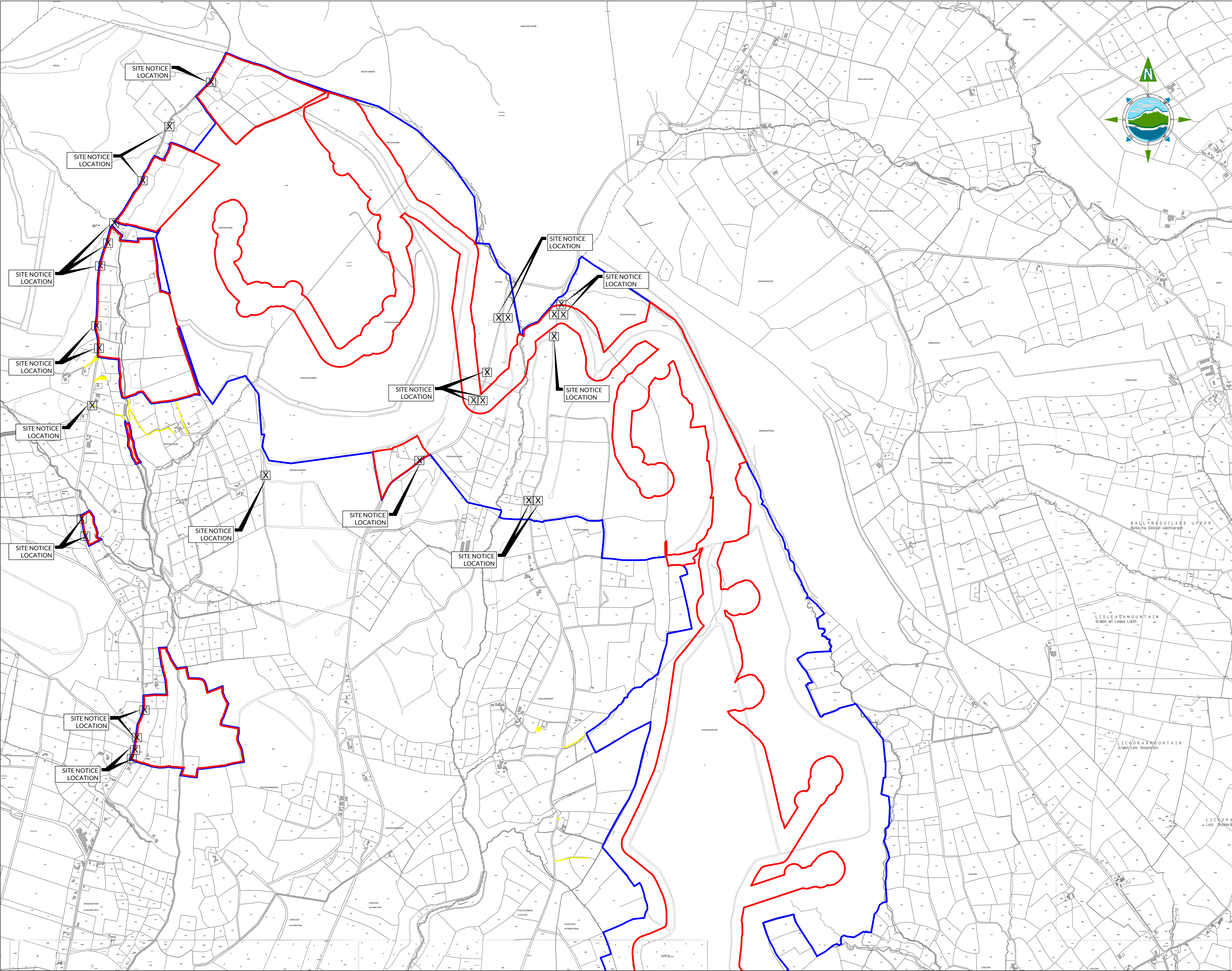


SCART MOUNTAIN
WIND FARM

PLANNING APPLICATION DRAWINGS
DECEMBER 2024

TOBIN

SCART MOUNTAIN WIND FARM - PLANNING DRAWINGS				
SITE LOCATION & LAYOUT DRAWINGS			SITE ENTRANCE / ROADS DRAWINGS	
11303-2000	Regional Site Location Map		11303-2030	L5055 - Site Entrance Details, Visibility Sightlines & Autotrack
11303-2001	Site Location Map - Sheet 1 of 2		11303-2031	L5054 - Road Crossing Location 1 - Visibility Sightlines & Details
11303-2002	Site Location Map - Sheet 2 of 2		11303-2032	L5055 - Road Crossing Location 2 - Visibility Sightlines & Details
11303-2003	Site Master Plan		11303-2033	L1026 - Road Crossing Location 3 - Visibility Sightlines & Details
11303-2004	Site Layout Plan - Sheet 1 of 10		11303-2034	N72 / L1027 Affane Junction Swept Path Analysis
11303-2005	Site Layout Plan - Sheet 2 of 10		SITE DRAINAGE DRAWINGS	
11303-2006	Site Layout Plan - Sheet 3 of 10		11303-2040	Drainage Layout Plan - Sheet 1 of 7
11303-2007	Site Layout Plan - Sheet 4 of 10		11303-2041	Drainage Layout Plan - Sheet 2 of 7
11303-2008	Site Layout Plan - Sheet 5 of 10		11303-2042	Drainage Layout Plan - Sheet 3 of 7
11303-2009	Site Layout Plan - Sheet 6 of 10		11303-2043	Drainage Layout Plan - Sheet 4 of 7
11303-2010	Site Layout Plan - Sheet 7 of 10		11303-2044	Drainage Layout Plan - Sheet 5 of 7
11303-2011	Site Layout Plan - Sheet 8 of 10		11303-2045	Drainage Layout Plan - Sheet 6 of 7
11303-2012	Site Layout Plan - Sheet 9 of 10		11303-2046	Drainage Layout Plan - Sheet 7 of 7
11303-2013	Site Layout Plan - Sheet 10 of 10			
SITE DETAIL DRAWINGS			ELECTRICAL LAYOUT DRAWINGS	
11303-2015	Proposed Temporary Site Compound & Elevations		05854-DR-230	Substation Layout Plan
11303-2016	Turbine Hardstand Layout		05854-DR-231	Wind Farm Substation Elevations (Sh 1 of 2)
11303-2017	Turbine Details		05854-DR-232	Wind Farm Substation Elevations (Sh 2 of 2)
11303-2018	Road Construction Details		05854-DR-233	110 kV Control Building - Plan Elevation...
11303-2019	Road Swales, Drains & Settlement Pond Details		05854-DR-234	Customer MV Substation
11303-2020	Culvert & Clear Span Bridge Details		05854-DR-241	Cut and Fill Volume Site Layout Plan
11303-2021	Met Mast Details		05854-DR-242	Cut and Fill Volume Sections
11303-2022	Proposed Self Contained Temporary Wheelwash System Details		05854-DR-243	Swept Path Analysis
11303-2023	Proposed on Site Borrow Pit Details		ELECTRICAL DETAIL DRAWINGS	
11303-2024	Proposed Glenshelane River Bridge Details	05854-DR-235	Substation Site Compound Details	
		05854-DR-236	Substation Gate and Fencing Details	
		05854-DR-237	Station Drainage Details	
		05854-DR-238	Station Lighting Monopole Details	



GENERAL LEGEND
PLANNING APPLICATION BOUNDARY
LAND WHERE APPLICANT HAS OWNERSHIP OR BENEFICIAL INTEREST

SITE NOTICE LOCATION X

KEY PLAN

NOTES:
1. FIGURED DIMENSIONS ONLY TO BE TAKEN FROM THIS DRAWING.
2. ALL DRAWINGS TO BE CHECKED BY THE CONTRACTOR ON SITE.
3. ENGINEER/EMPLOYERS REPRESENTATIVE, AS APPROPRIATE, TO BE INFORMED BY THE CONTRACTOR OF ANY DISCREPANCIES BEFORE ANY WORK COMMENCES.
4. THE CONTRACTOR SHALL UNDERTAKE A THOROUGH CHECK FOR THE ACTUAL LOCATION OF ALL SERVICES/UTILITIES, ABOVE AND BELOW GROUND, BEFORE ANY WORK COMMENCES.
5. ALL LEVELS SHOWN RELATE TO ORDNANCE SURVEY DATUM AT MALIN HEAD.

Co. Waterford

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200m 0 200m 400m 600m

A	13.11.24	PLANNING ISSUE	MN	JS
Rev	Date	Description	By	Chkd.

Client:

Project:

SCART MOUNTAIN WIND FARM

Title:

SITE LOCATION MAP
- Sheet 1 of 2 -

Scale @ A1:

1:10,000

Scales as agreed with ABP 20.11.24

Prepared by:

M. Nolan

Checked by:

J. Staunton

Date:

November '24

Drawing Status:

Planning

Tel: +353 (0)91 565 211
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www.tobin.ie

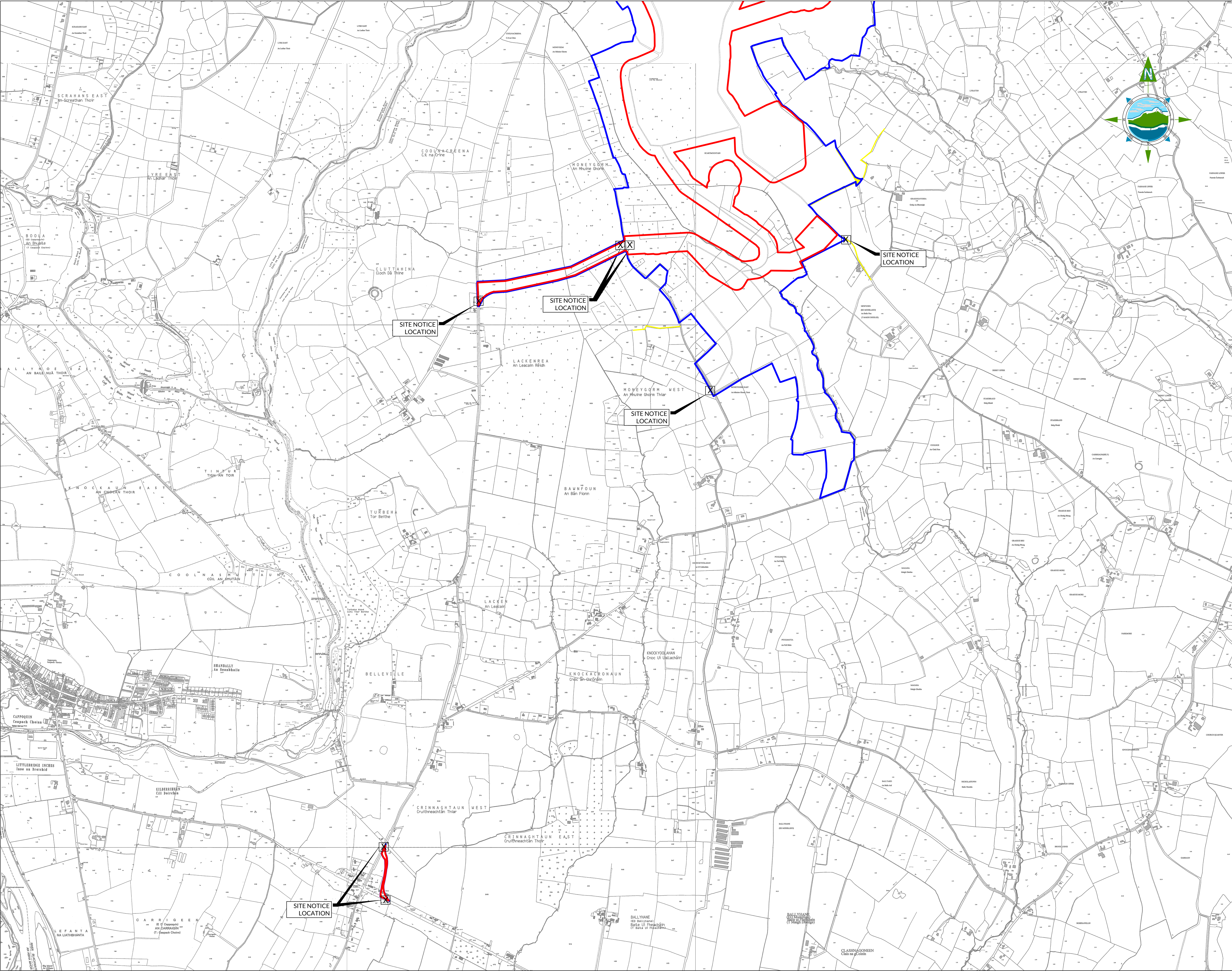
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Drawing No.:

11303-2001

Revision:

A



GENERAL LEGEND
PLANNING APPLICATION BOUNDARY
LAND WHERE APPLICANT HAS OWNERSHIP OR BENEFICIAL INTEREST
SITE NOTICE LOCATION
WAYLEAVES

KEY PLAN

NOTES:
1. FIGURED DIMENSIONS ONLY TO BE TAKEN FROM THIS DRAWING.
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200m0200m400m600m

A	13.11.24	PLANNING ISSUE	MN	JS
Rev	Date	Description	By	Chkd.

Client:

Project:

SCART MOUNTAIN WIND FARM

Title:

SITE LOCATION MAP
- Sheet 2 of 2 -

Scale @ A1: 1:10,000 Scales as agreed with ABP 20.11.24

Prepared by: M. Nolan Checked by: J. Staunton Date: November '24

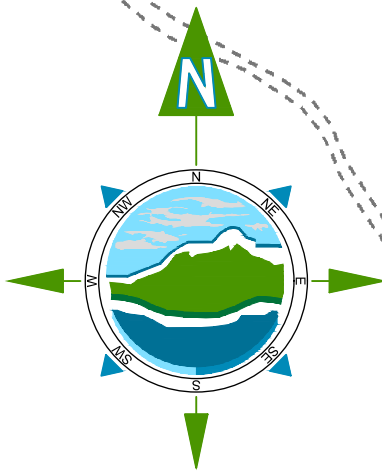
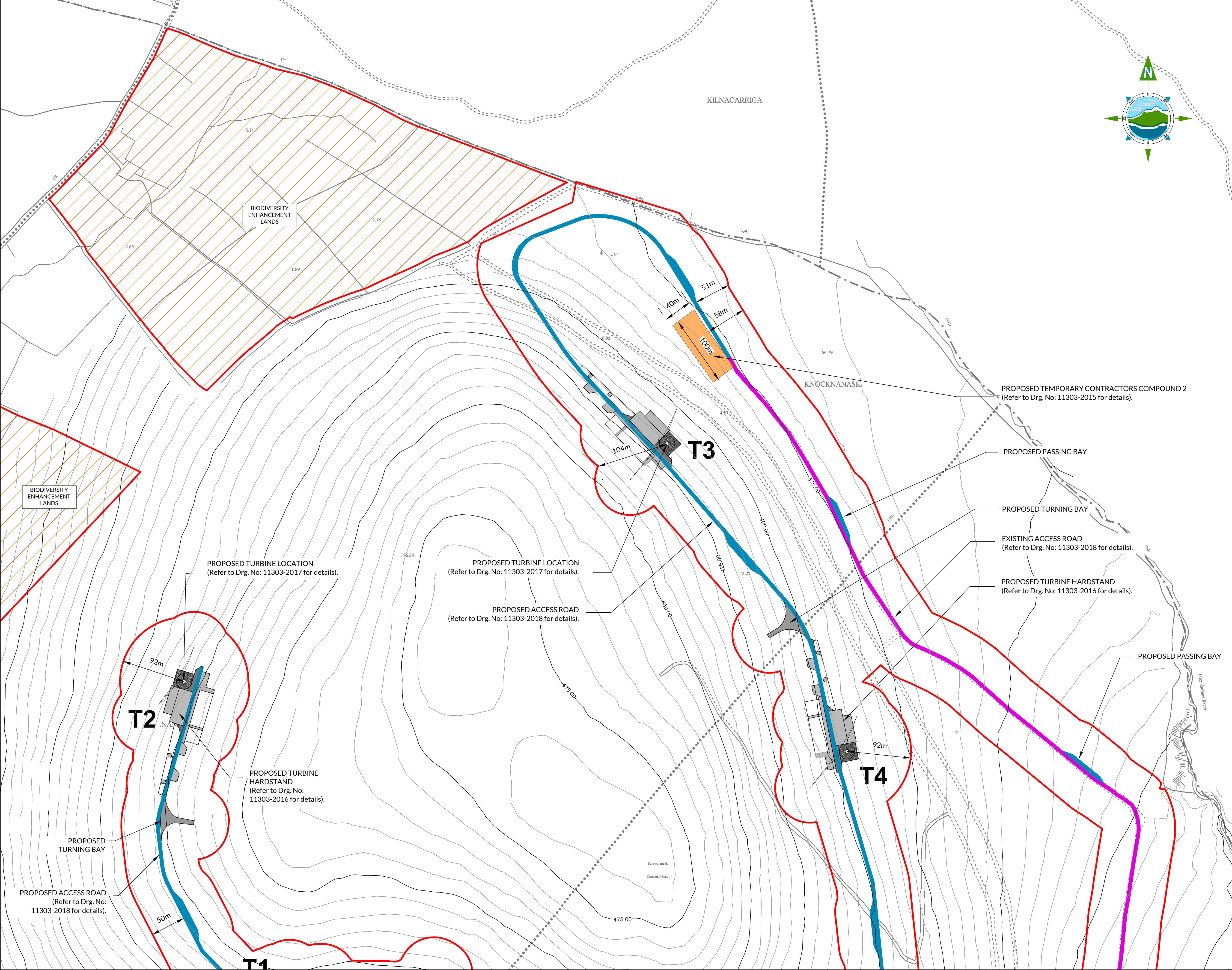
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Drawing No.: 11303-2002

Revision: A



GENERAL LEGEND

APPLICATION BOUNDARY

PROPOSED TURBINE HARDSTAND

PROPOSED ACCESS TRACK

UPGRADED EXISTING ACCESS TRACK, FOR CONSTRUCTION VEHICLES ONLY (No Turbine Delivery)

PROPOSED BORROW PIT

PROPOSED SUBSTATION

EXISTING CONTOURS

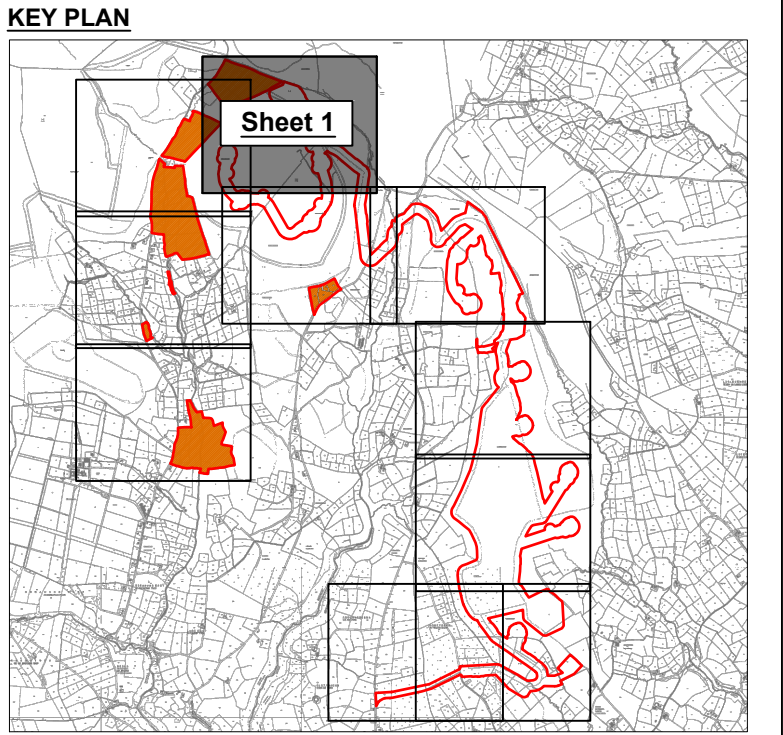
PROPOSED TURBINE LOCATION

EXISTING ACCESS TRACK

BIODIVERSITY ENHANCEMENT LANDS

CONTRACTOR'S COMPOUND

PROPOSED MET MAST



- NOTES:**
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50m 0 50m 100m 150m

A	13.11.24	PLANNING ISSUE	MN	JS
Rev	Date	Description	By	Chkd.

Client: **Ireland FuturEnergy**

Project: **SCART MOUNTAIN WIND FARM**

Title: **SITE LAYOUT PLAN - Sheet 1 of 10 -**

Scale @ A1: **1:2,500** Scales as agreed with ABP 20.11.24

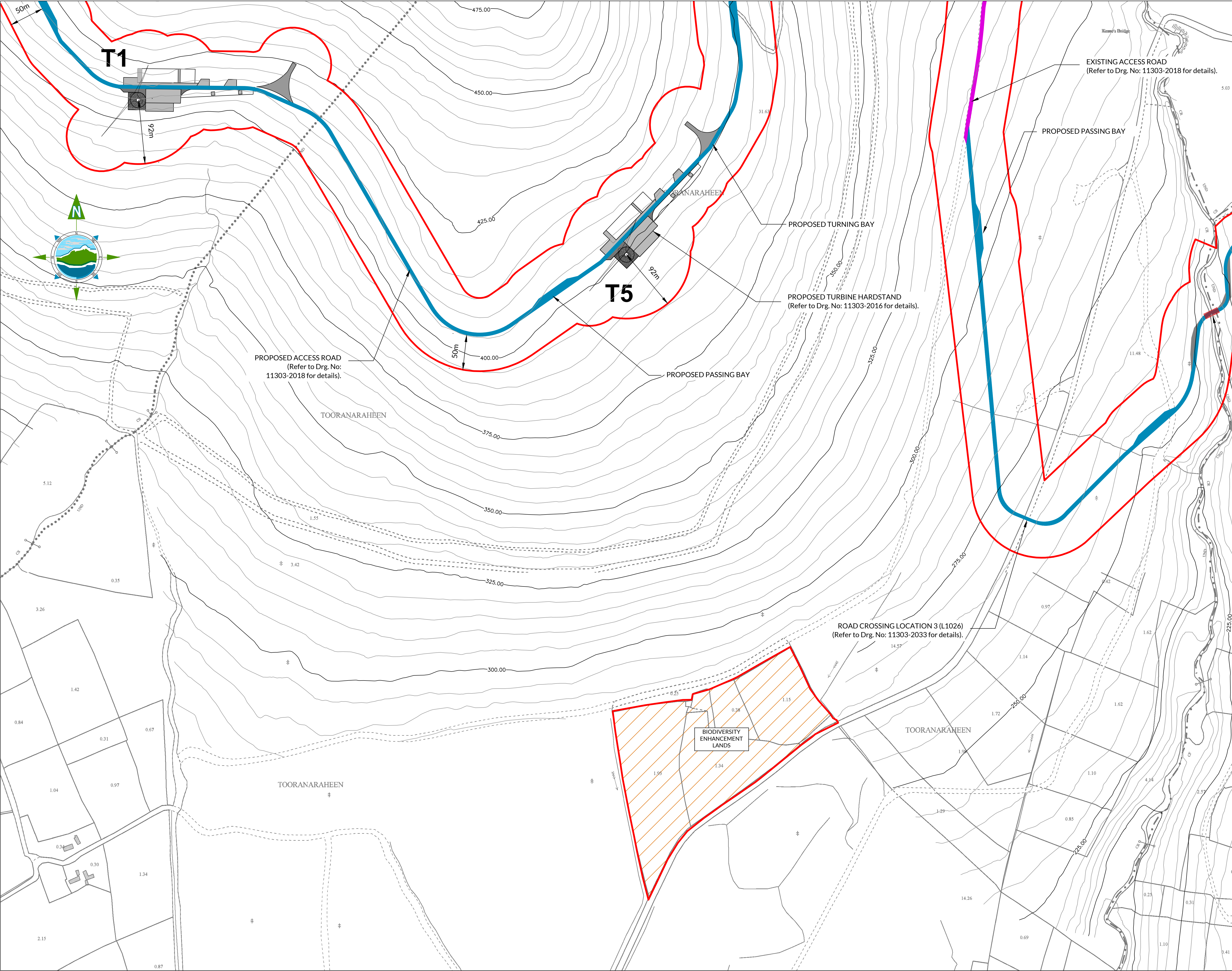
Prepared by: **M. Nolan** Checked by: **J. Staunton** Date: **November '24**

Drawing Status: **Planning**

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Drawing No.: **11303-2004** Revision: **A**



GENERAL LEGEND

APPLICATION BOUNDARY

PROPOSED TURBINE HARDSTAND

PROPOSED ACCESS TRACK

UPGRADED EXISTING ACCESS TRACK, FOR CONSTRUCTION VEHICLES ONLY (No Turbine Delivery)

PROPOSED BORROW PIT

PROPOSED SUBSTATION

EXISTING CONTOURS

PROPOSED TURBINE LOCATION

EXISTING ACCESS TRACK

BIODIVERSITY ENHANCEMENT LANDS

CONTRACTOR'S COMPOUND

PROPOSED MET MAST

KEY PLAN

- NOTES:**
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 5. ALL LEVELS SHOWN RELATE TO ORDNANCE SURVEY DATUM AT MALIN HEAD.

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50m 0 50m 100m 150m

A	13.11.24	PLANNING ISSUE	MN	J5	
Rev	Date	Description	By	Chkd.	

Client: **FuturEnergy** Ireland

Project: SCART MOUNTAIN WIND FARM

Title: SITE LAYOUT PLAN - Sheet 2 of 10 -

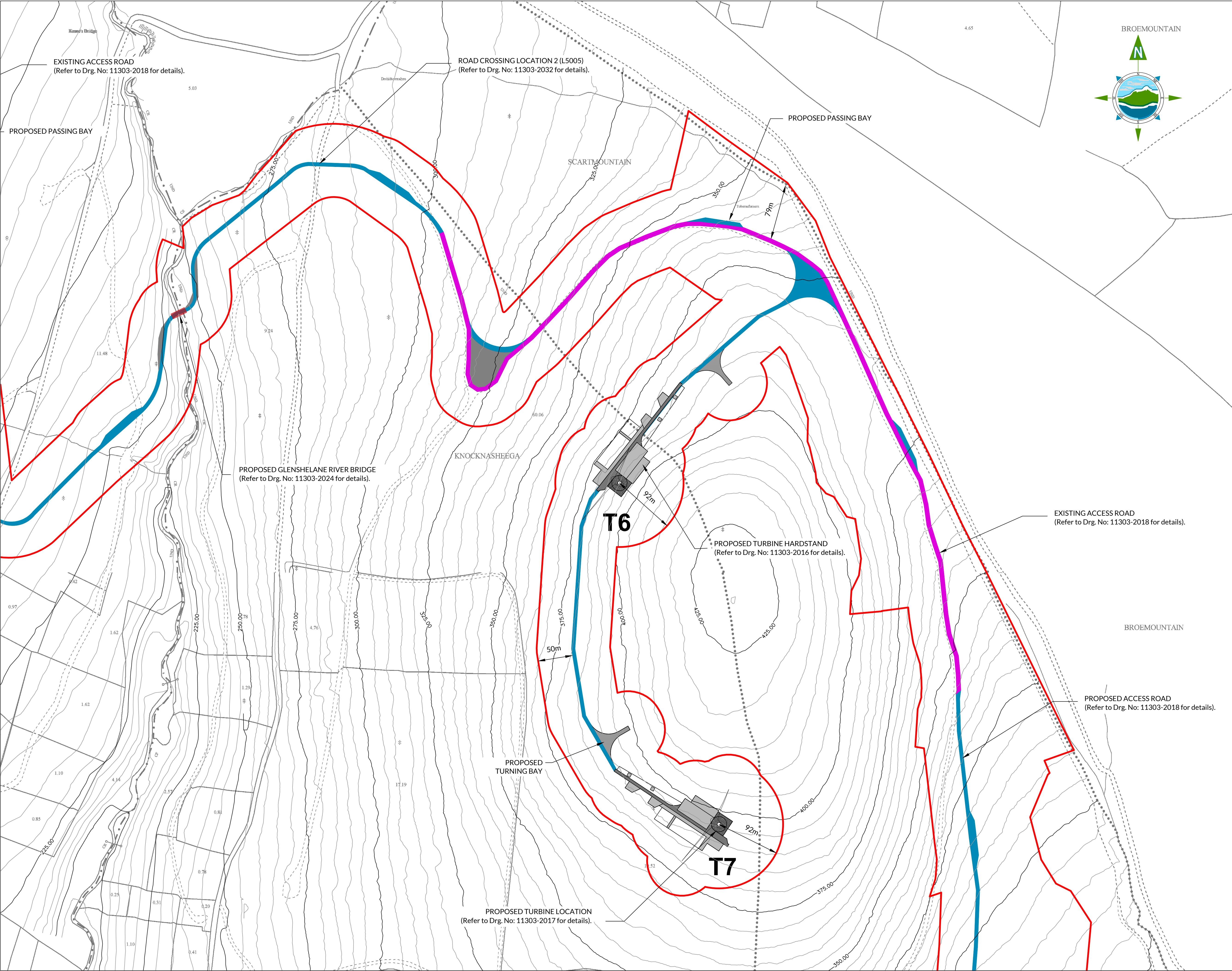
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Prepared by: M. Nolan Checked by: J. Staunton Date: November '24

Drawing Status: Planning

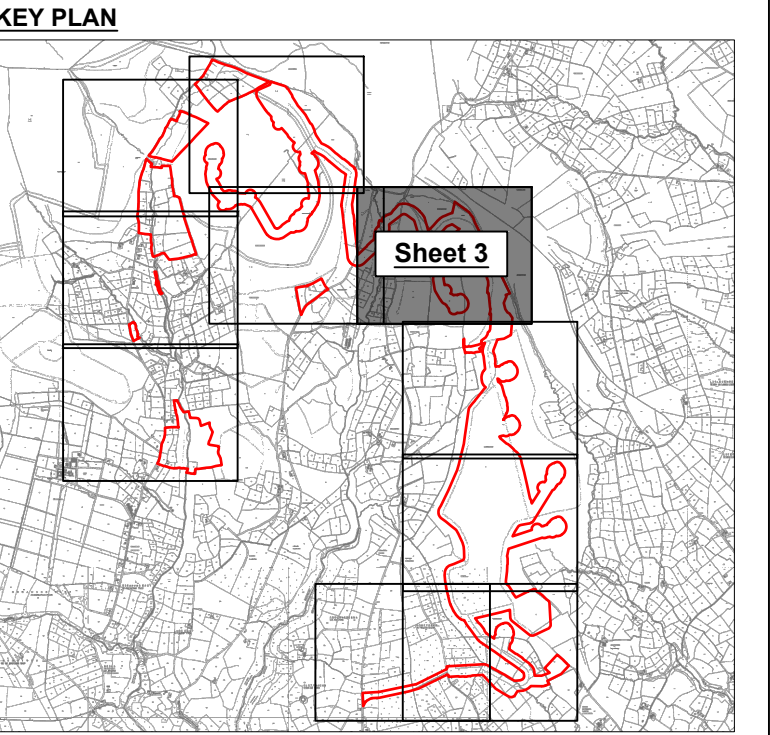
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Drawing No: 11303-2005 Revision: A



GENERAL LEGEND

APPLICATION BOUNDARY	EXISTING CONTOURS
PROPOSED TURBINE HARDSTAND	PROPOSED TURBINE LOCATION
PROPOSED ACCESS TRACK	EXISTING ACCESS TRACK
UPGRADED EXISTING ACCESS TRACK, FOR CONSTRUCTION VEHICLES ONLY (No Turbine Delivery)	BIODIVERSITY ENHANCEMENT LANDS
PROPOSED BORROW PIT	CONTRACTOR'S COMPOUND
PROPOSED SUBSTATION	PROPOSED MET MAST



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50m 0 50m 100m 150m

A	13.11.24	PLANNING ISSUE	MN	JS
Rev	Date	Description	By	Chkd.

Client: **FuturEnergy Ireland**

Project: **SCART MOUNTAIN WIND FARM**

Title: **SITE LAYOUT PLAN - Sheet 3 of 10 -**

Scale @ A1: **1:2,500** Scales as agreed with ABP 20.11.24

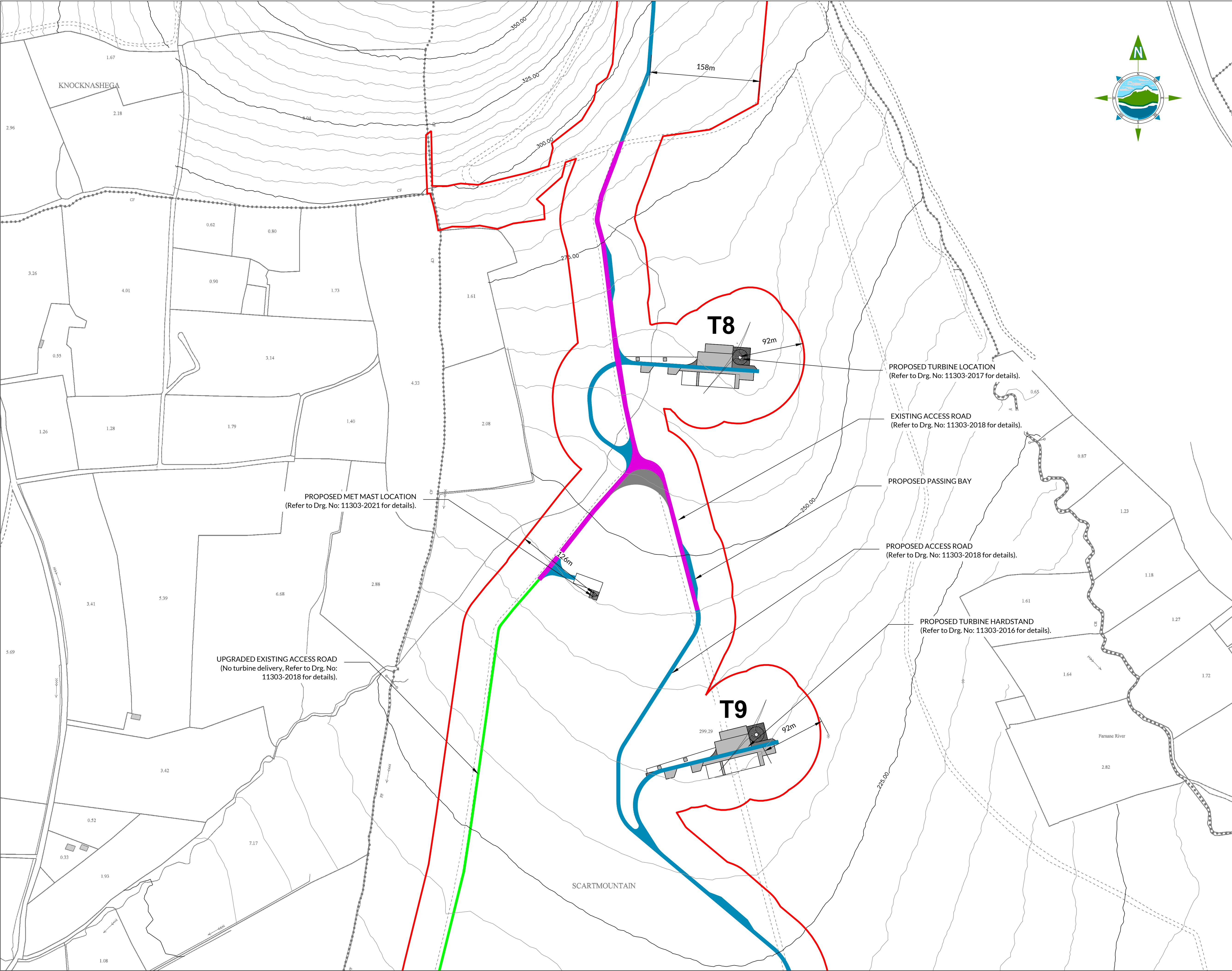
Prepared by: M. Nolan Checked by: J. Staunton Date: November '24

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Drawing No.: **11303-2006** Revision: **A**



GENERAL LEGEND

APPLICATION BOUNDARY

PROPOSED TURBINE HARDSTAND

PROPOSED ACCESS TRACK

UPGRADED EXISTING ACCESS TRACK, FOR CONSTRUCTION VEHICLES ONLY (No Turbine Delivery)

PROPOSED BORROW PIT

PROPOSED SUBSTATION

EXISTING CONTOURS

PROPOSED TURBINE LOCATION

EXISTING ACCESS TRACK

BIODIVERSITY ENHANCEMENT LANDS

CONTRACTOR'S COMPOUND

PROPOSED MET MAST

KEY PLAN

- NOTES:**
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 - 5. ALL LEVELS SHOWN RELATE TO ORDNANCE SURVEY DATUM AT MALIN HEAD.

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50m 0 50m 100m 150m				
A	13.11.24	PLANNING ISSUE	MN	JS
Rev	Date	Description	By	Chkd.

Client:

Project: SCART MOUNTAIN WIND FARM

Title: SITE LAYOUT PLAN - Sheet 4 of 10 -

Scale @ A1: 1:2,500 Scales as agreed with ABP 20.11.24

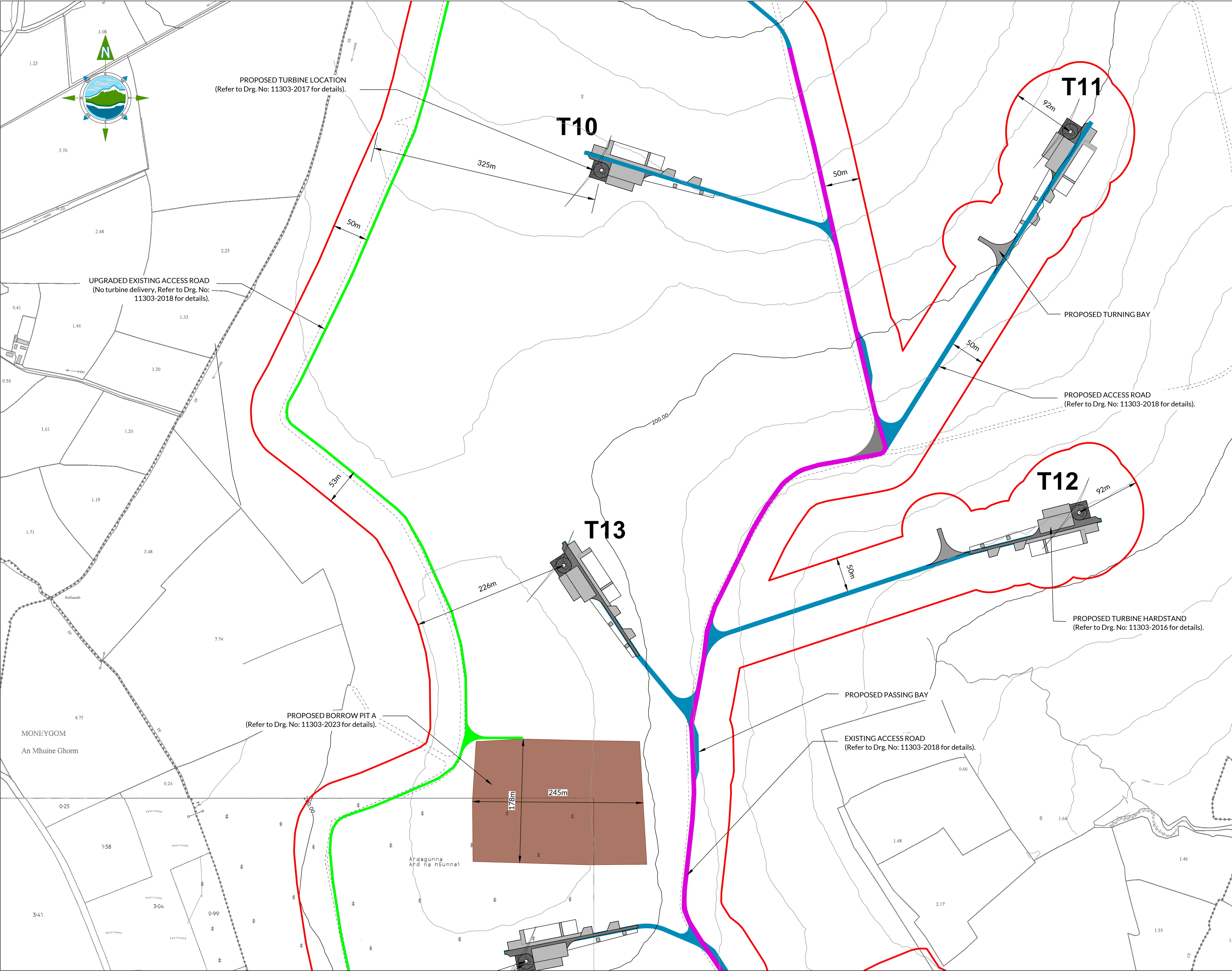
Prepared by: M. Nolan Checked by: J. Staunton Date: November '24

Drawing Status: Planning

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GENERAL LEGEND

APPLICATION BOUNDARY

PROPOSED TURBINE HARDSTAND

PROPOSED ACCESS TRACK

UPGRADED EXISTING ACCESS TRACK, FOR CONSTRUCTION VEHICLES ONLY (No Turbine Delivery)

PROPOSED BORROW PIT

PROPOSED SUBSTATION

EXISTING CONTOURS

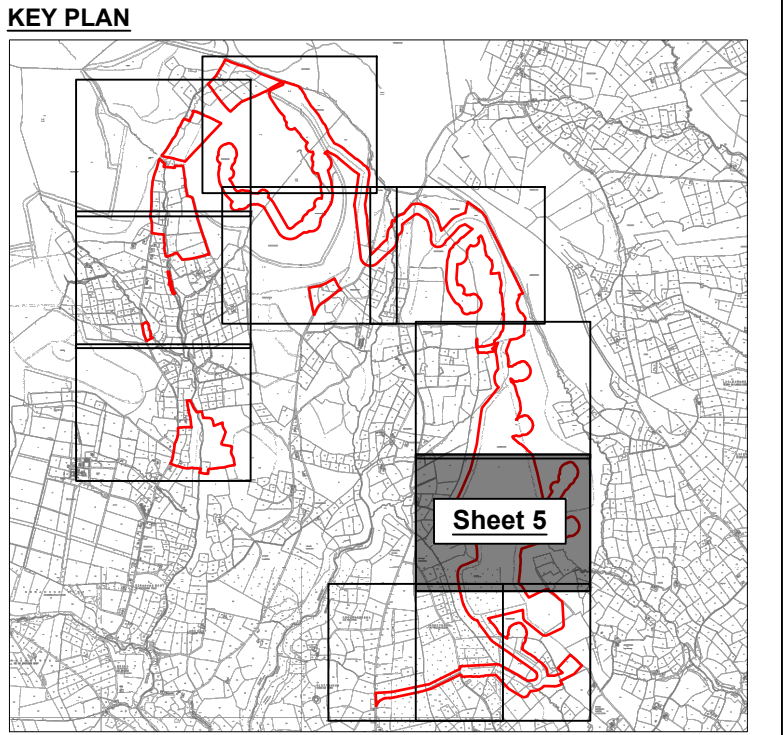
PROPOSED TURBINE LOCATION

EXISTING ACCESS TRACK

BIODIVERSITY ENHANCEMENT LANDS

CONTRACTOR'S COMPOUND

PROPOSED MET MAST



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50m050m100m150m

A	13.11.24	PLANNING ISSUE	MN	J5	
Rev	Date	Description	By	Chkd.	

Client:

FuturEnergy
Ireland

Project:

SCART MOUNTAIN WIND FARM

Title:

SITE LAYOUT PLAN
- Sheet 5 of 10 -

Scale @ A1:

1:2,500

Scales as agreed with ABP 20.11.24

Prepared by:

Checked by:

Date:

M. Nolan

J. Staunton

November '24

Drawing Status:

Planning

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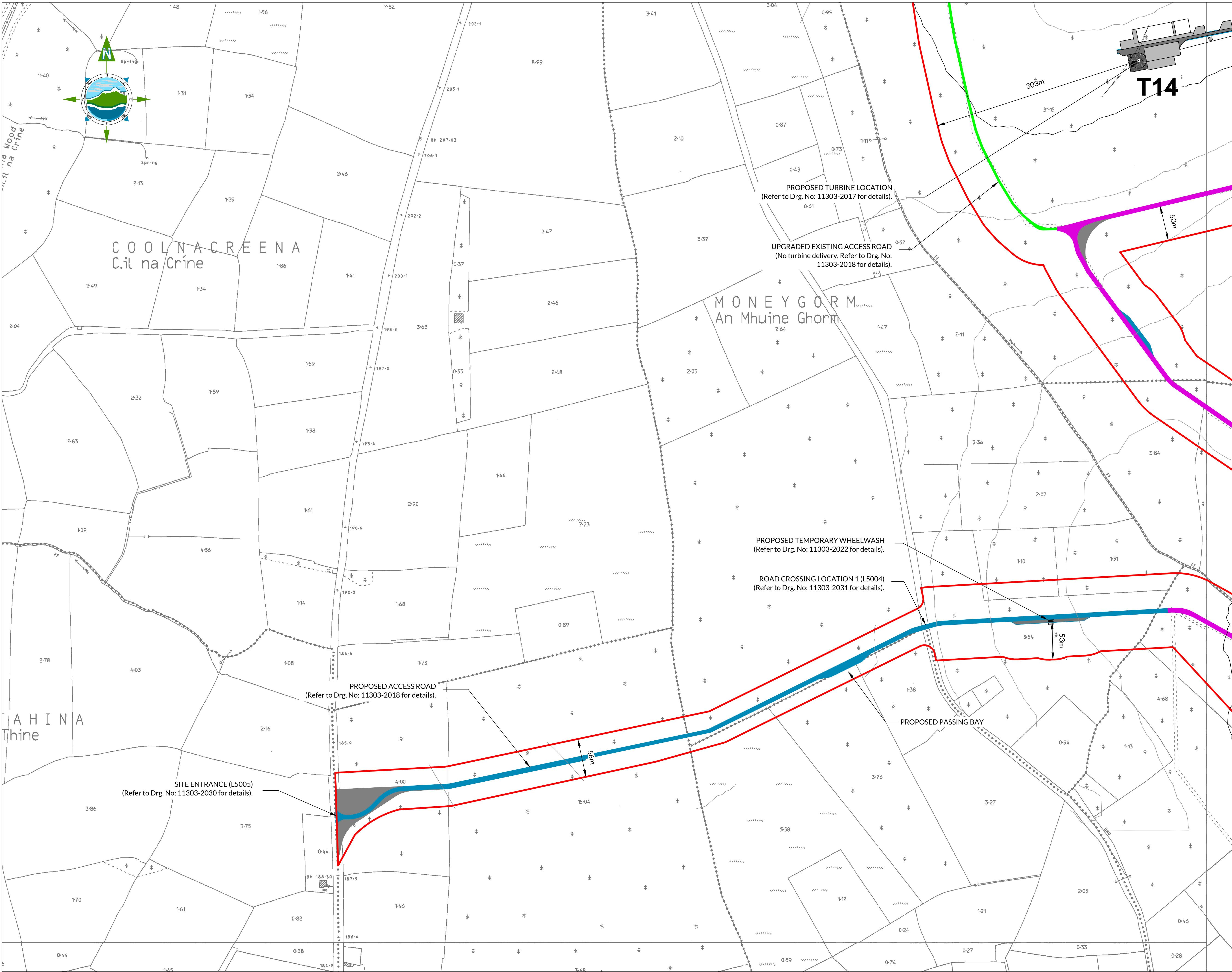
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Drawing No.:

Revision:

11303-2008

A



GENERAL LEGEND

APPLICATION BOUNDARY	EXISTING CONTOURS
PROPOSED TURBINE HARDSTAND	PROPOSED TURBINE LOCATION
PROPOSED ACCESS TRACK	EXISTING ACCESS TRACK
UPGRADED EXISTING ACCESS TRACK, FOR CONSTRUCTION VEHICLES ONLY (No Turbine Delivery)	BIODIVERSITY ENHANCEMENT LANDS
PROPOSED BORROW PIT	CONTRACTOR'S COMPOUND
PROPOSED SUBSTATION	PROPOSED MET MAST

KEY PLAN

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50m 0 50m 100m 150m				
A	13.11.24	PLANNING ISSUE	MN	J5
Rev	Date	Description	By	Chkd.

Client: **FuturEnergy Ireland**

Project: **SCART MOUNTAIN WIND FARM**

Title: **SITE LAYOUT PLAN - Sheet 7 of 10 -**

Scale @ A1: **1:2,500** Scales as agreed with ABP 20.11.24

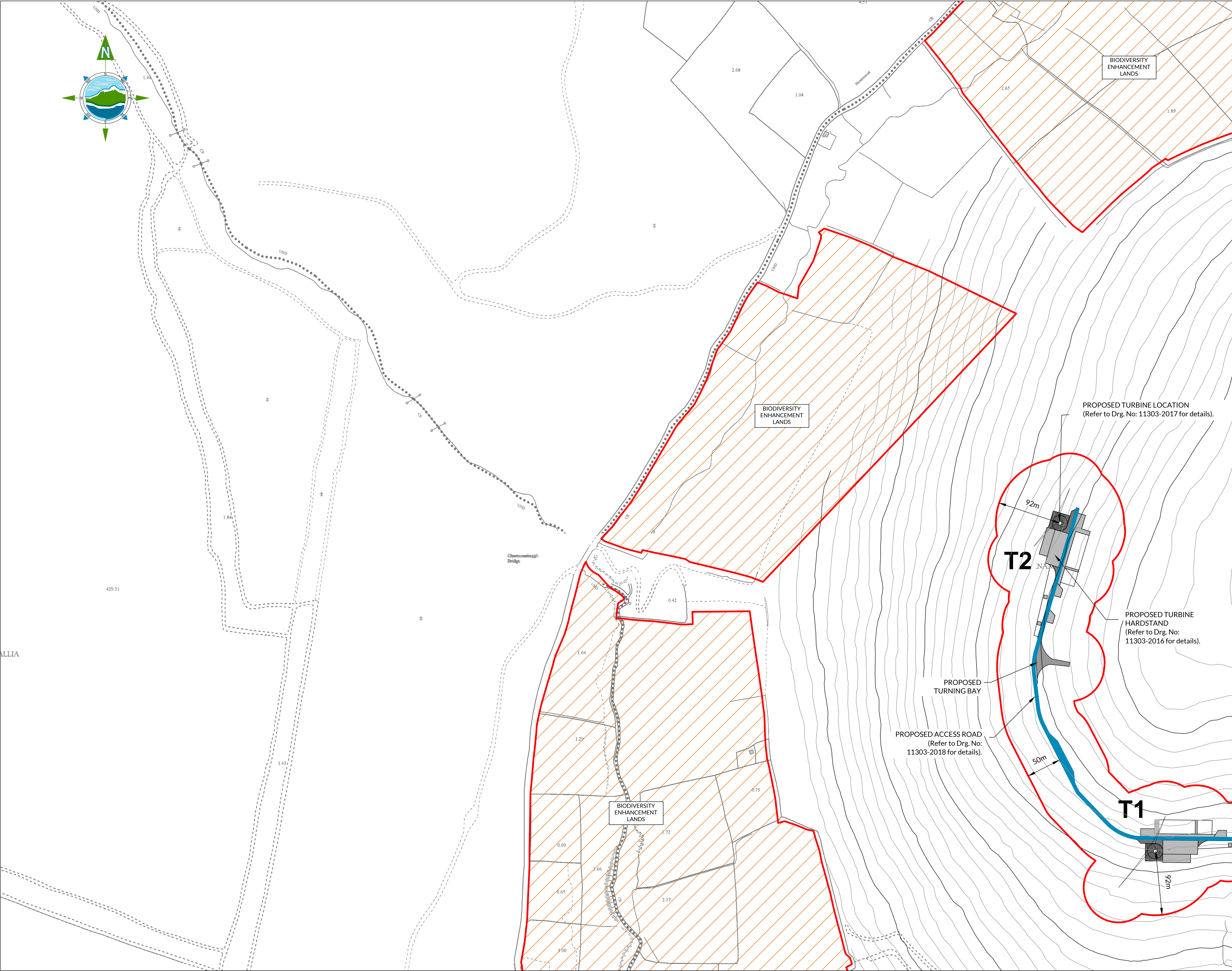
Prepared by: M. Nolan Checked by: J. Staunton Date: November '24

Drawing Status: Planning

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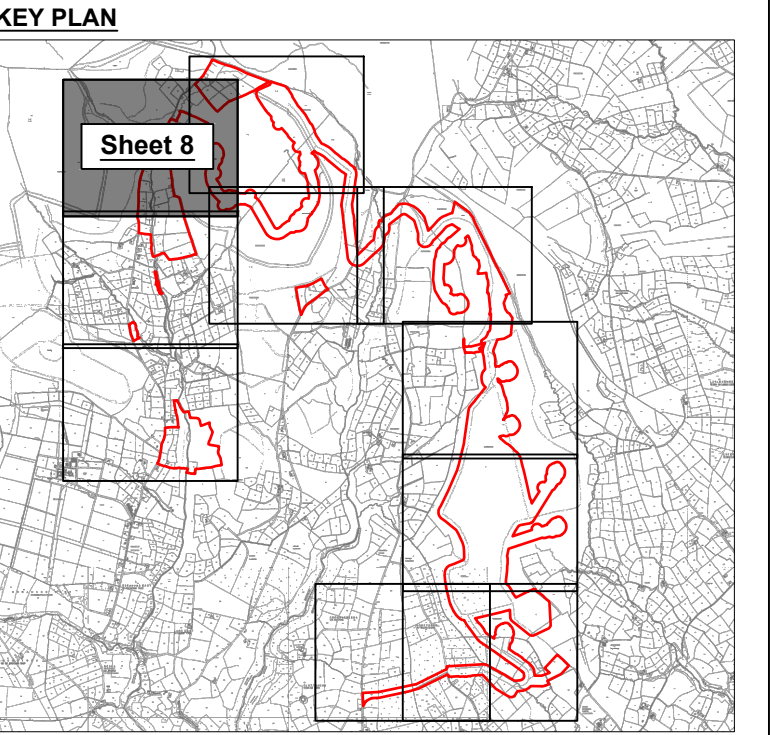
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Drawing No.: **11303-2010** Revision: **A**



GENERAL LEGEND
APPLICATION BOUNDARY
PROPOSED TURBINE HARDSTAND
PROPOSED ACCESS TRACK
UPGRADED EXISTING ACCESS TRACK, FOR CONSTRUCTION VEHICLES ONLY (No Turbine Delivery)
PROPOSED BORROW PIT
PROPOSED SUBSTATION

EXISTING CONTOURS
PROPOSED TURBINE LOCATION
EXISTING ACCESS TRACK
BIODIVERSITY ENHANCEMENT LANDS
CONTRACTOR'S COMPOUND
PROPOSED MET MAST



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50m 0 50m 100m 150m				
A	13.11.24	PLANNING ISSUE	MN	JS
Rev	Date	Description	By	Chkd.

Client: **FuturEnergy Ireland**

Project: **SCART MOUNTAIN WIND FARM**

Title: **SITE LAYOUT PLAN - Sheet 8 of 10 -**

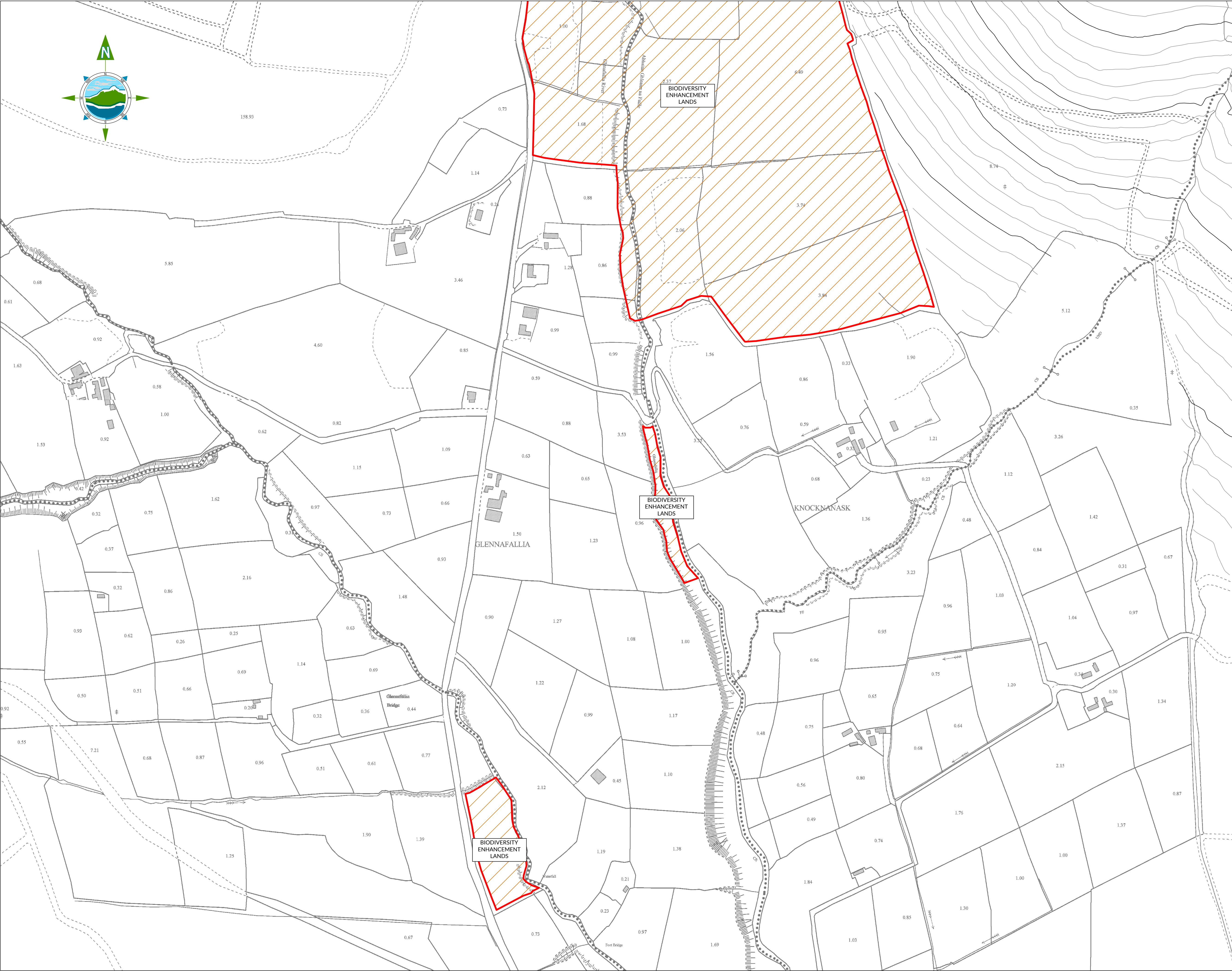
Scale @ A1: **1:2,500** Scales as agreed with ABP 20.11.24

Prepared by: M. Nolan Checked by: J. Staunton Date: November '24

Drawing Status: Planning

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Drawing No.: **11303-2011** Revision: **A**



GENERAL LEGEND

APPLICATION BOUNDARY

PROPOSED TURBINE HARDSTAND

PROPOSED ACCESS TRACK

UPGRADED EXISTING ACCESS TRACK, FOR CONSTRUCTION VEHICLES ONLY (No Turbine Delivery)

PROPOSED BORROW PIT

PROPOSED SUBSTATION

EXISTING CONTOURS

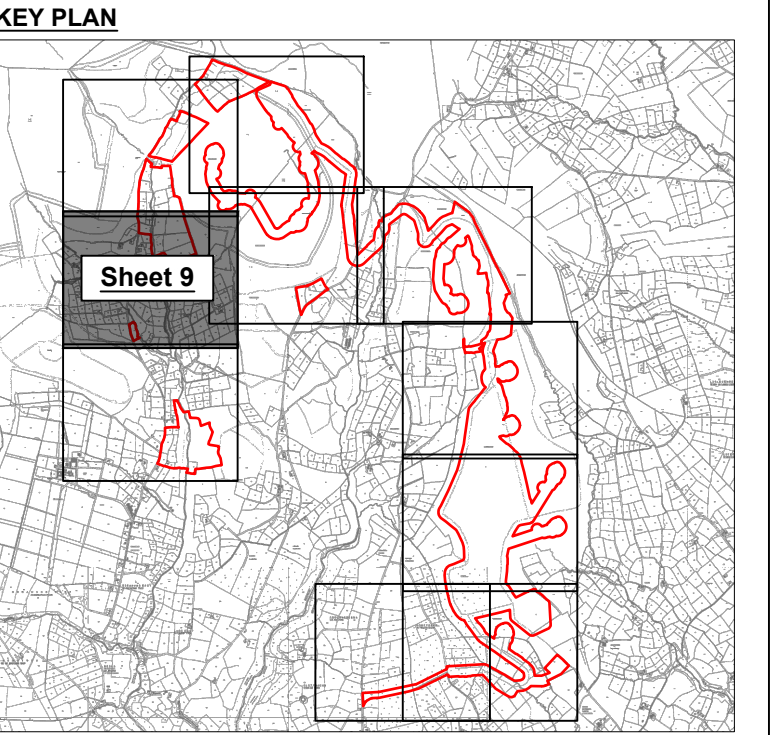
PROPOSED TURBINE LOCATION

EXISTING ACCESS TRACK

BIODIVERSITY ENHANCEMENT LANDS

CONTRACTOR'S COMPOUND

PROPOSED MET MAST



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Co. Waterford

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50m 0 50m 100m 150m				
A	13.11.24	PLANNING ISSUE	MN	J5
Rev	Date	Description	By	Chkd.

Client:

Project:

SCART MOUNTAIN WIND FARM

Title:

SITE LAYOUT PLAN
- Sheet 9 of 10 -

Scale @ A1:

1:2,500

Scales as agreed with
ABP 20.11.24

Prepared by:

M. Nolan

Checked by:

J. Staunton

Date:

November '24

Drawing Status:

Planning

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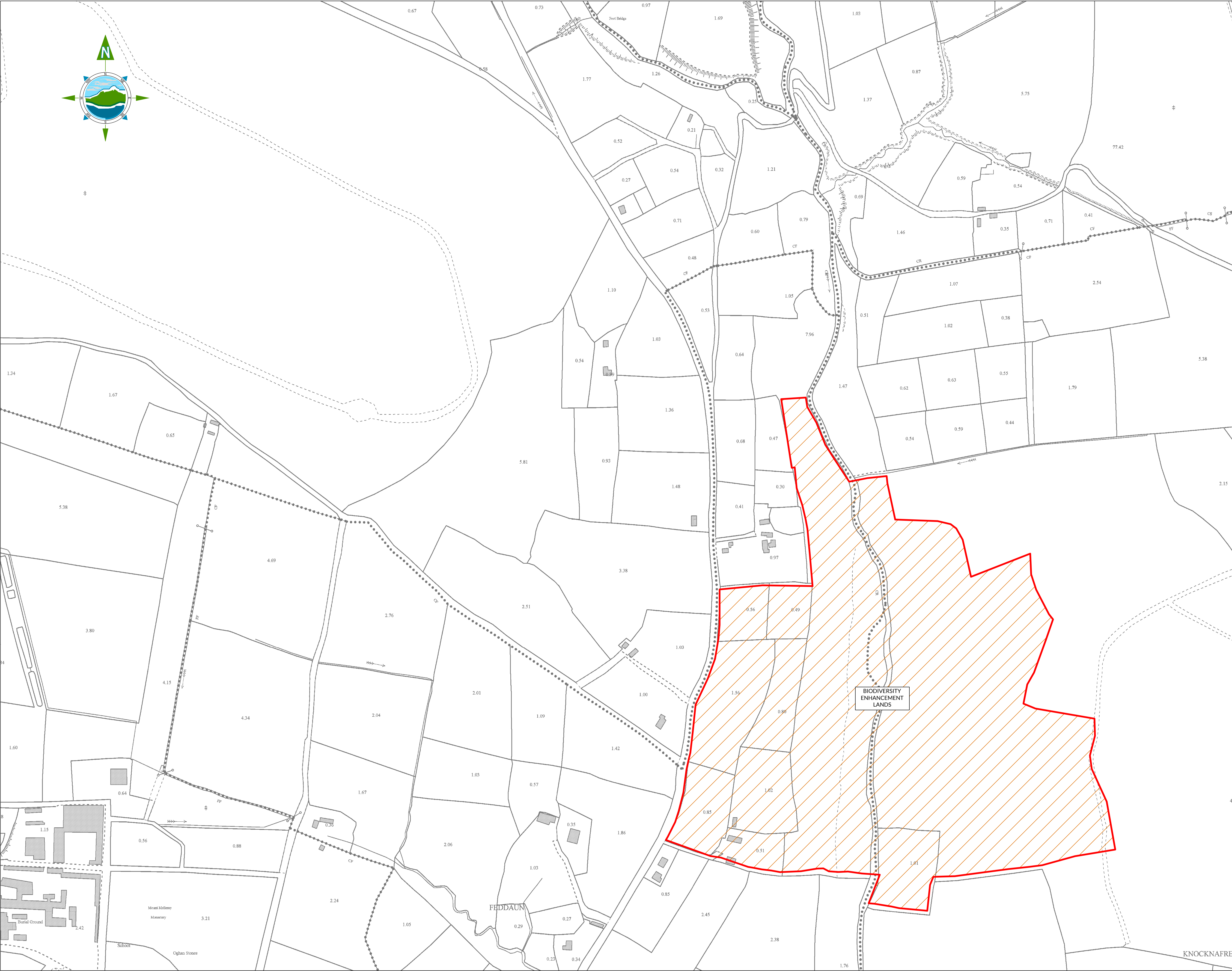
Drawing No.:

11303-2012

Revision:

A

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GENERAL LEGEND

APPLICATION BOUNDARY

PROPOSED TURBINE HARDSTAND

PROPOSED ACCESS TRACK

UPGRADED EXISTING ACCESS TRACK, FOR CONSTRUCTION VEHICLES ONLY (No Turbine Delivery)

PROPOSED BORROW PIT

PROPOSED SUBSTATION

EXISTING CONTOURS

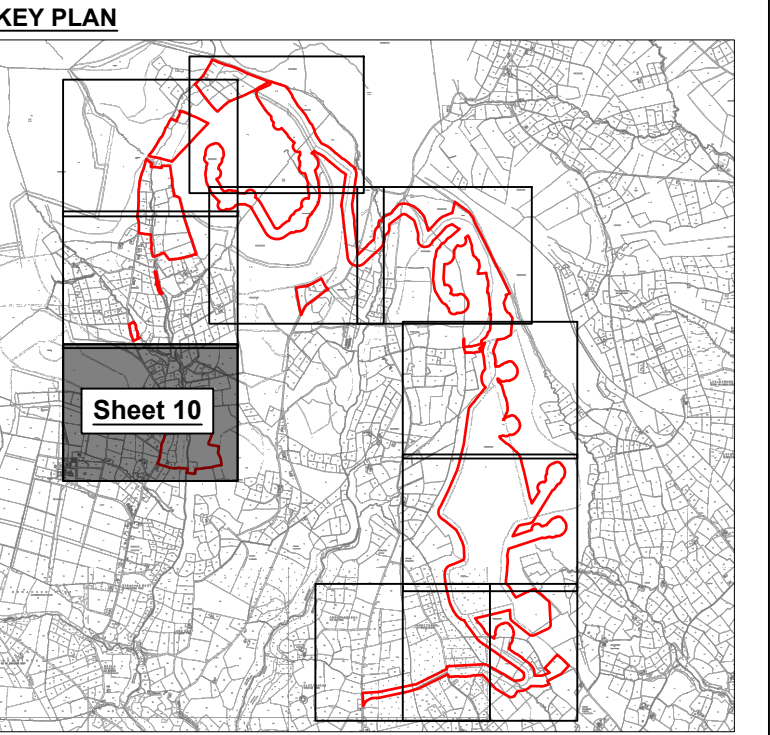
PROPOSED TURBINE LOCATION

EXISTING ACCESS TRACK

BIODIVERSITY ENHANCEMENT LANDS

CONTRACTOR'S COMPOUND

PROPOSED MET MAST



- NOTES:**
- FIGURED DIMENSIONS ONLY TO BE TAKEN FROM THIS DRAWING.
 - ALL DRAWINGS TO BE CHECKED BY THE CONTRACTOR ON SITE.
 - ENGINEER/EMPLOYERS REPRESENTATIVE, AS APPROPRIATE, TO BE INFORMED BY THE CONTRACTOR OF ANY DISCREPANCIES BEFORE ANY WORK COMMENCES.
 - THE CONTRACTOR SHALL UNDERTAKE A THOROUGH CHECK FOR THE ACTUAL LOCATION OF ALL SERVICES/UTILITIES, ABOVE AND BELOW GROUND, BEFORE ANY WORK COMMENCES.
 - ALL LEVELS SHOWN RELATE TO ORDNANCE SURVEY DATUM AT MALIN HEAD.

Co. Waterford

OSI 1:5,000 Sheet No's: 5760, 5761, 5762, 5832, 5833, 5834, 5903, 5904 & 5904.

Ordnance Survey Ireland Licence number CYAL50311153. ©
Ordnance Survey Ireland/Government of Ireland

50m		0	50m	100m	150m
A	13.11.24	PLANNING ISSUE		MN	JS
Rev	Date	Description		By	Chkd.

Client:

Project:

SCART MOUNTAIN WIND FARM

Title:

SITE LAYOUT PLAN
- Sheet 10 of 10 -

Scale @ A1:

1:2,500

Scales as agreed with
ABP 20.11.24

Prepared by:

Checked by:

Date:

M. Nolan

J. Staunton

November '24

Drawing Status:

Planning

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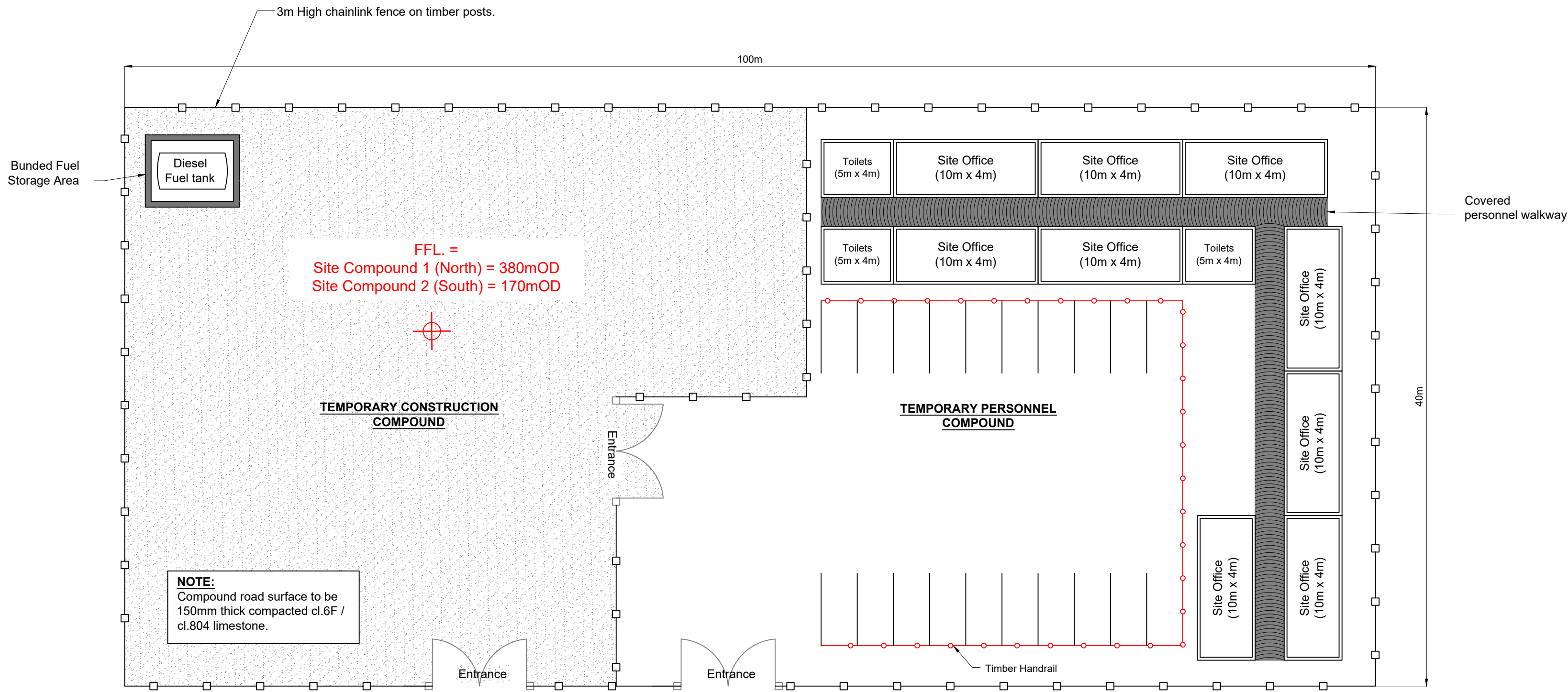
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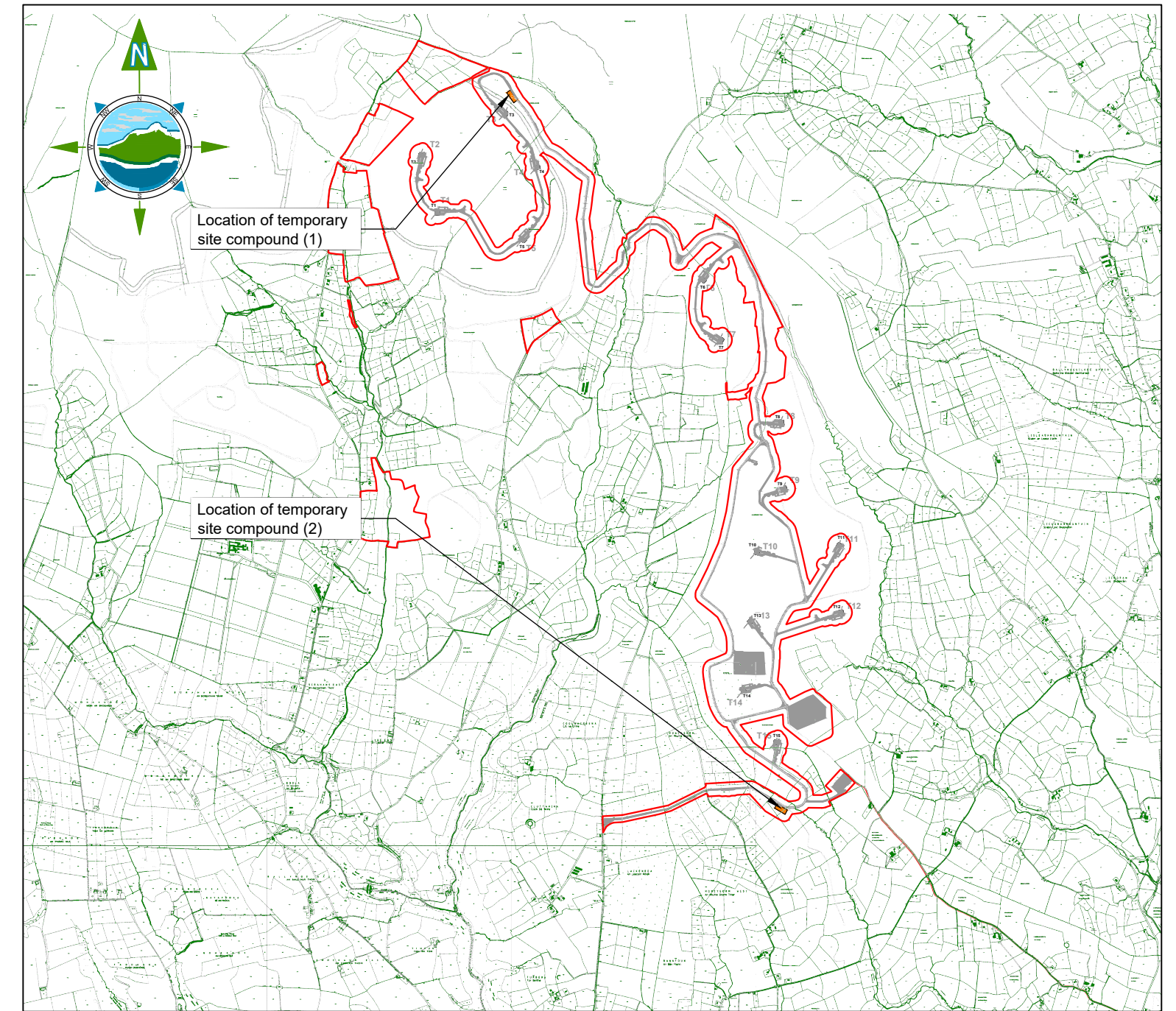
Revision:

11303-2013

A



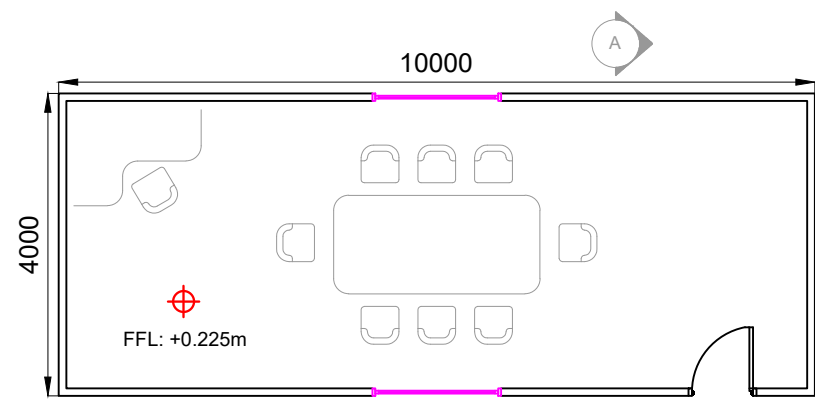
CONTRACTORS COMPOUND - LAYOUT PLAN
SCALE 1:250



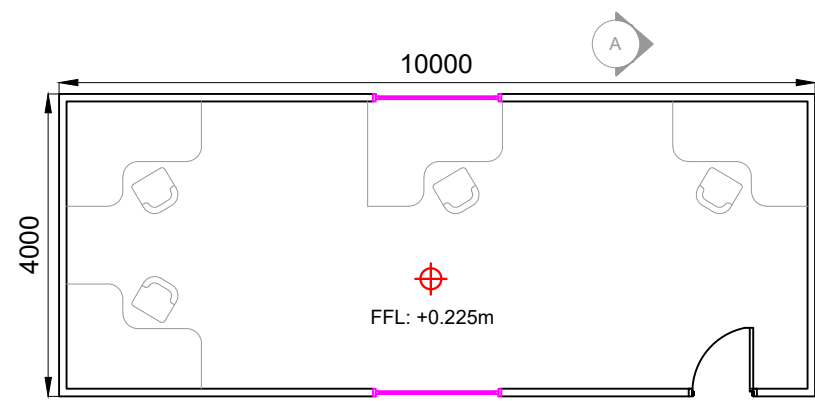
KEYPLAN
Scale: NTS

NOTE:
Orientation varies as multiple instances on site,
north point can be seen on Drg. No: 11303-2003.

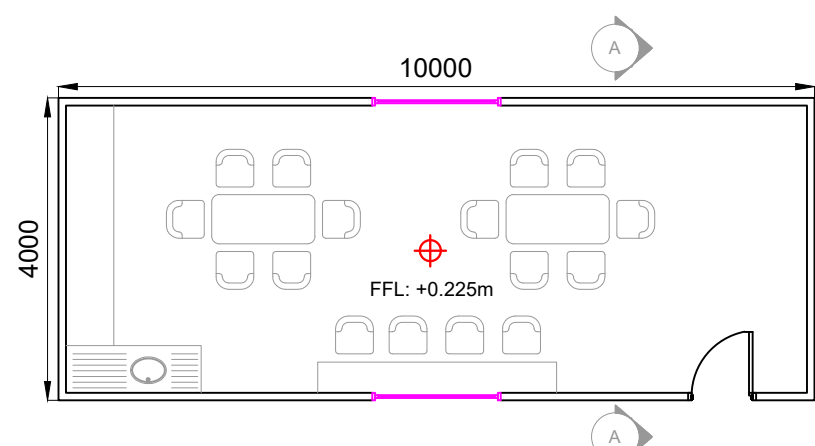
Rev	Date	Description	By	Chkd.
A	13.11.24	PLANNING ISSUE	MN	JS



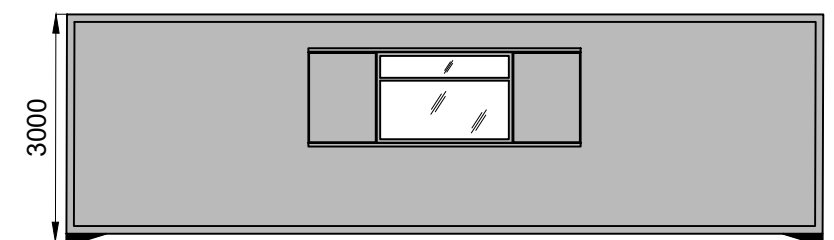
10m x 4m MEETING ROOM - FLOOR PLAN
SCALE 1:100



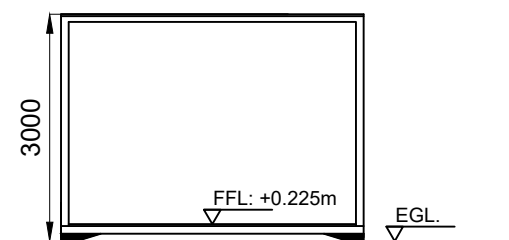
10m x 4m SITE OFFICE- FLOOR PLAN
SCALE 1:100



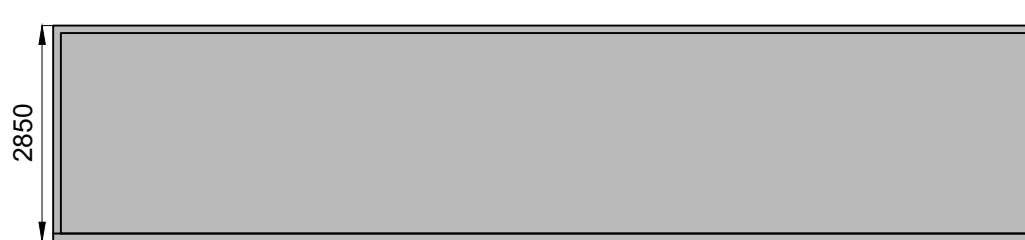
10m x 4m CANTEEN - FLOOR PLAN
SCALE 1:100



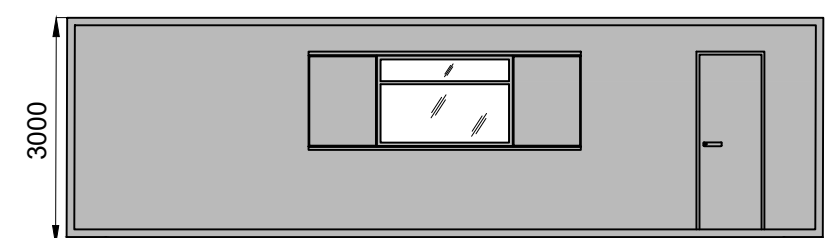
10m x 4m UNIT - REAR ELEVATION
SCALE 1:100



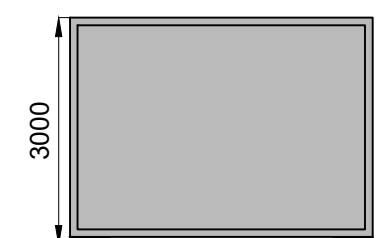
10m x 4m UNIT - SECTION A-A
SCALE 1:100



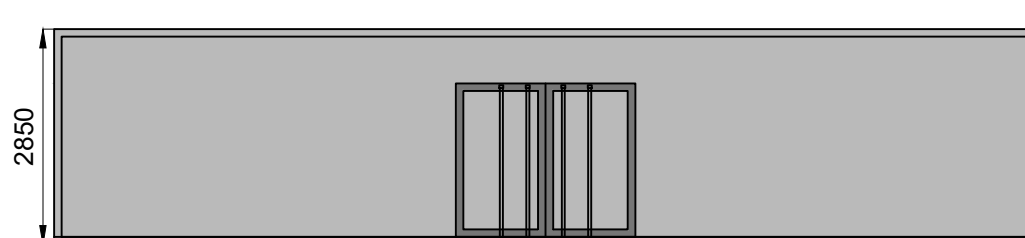
STORAGE UNIT - REAR ELEVATION
SCALE 1:100



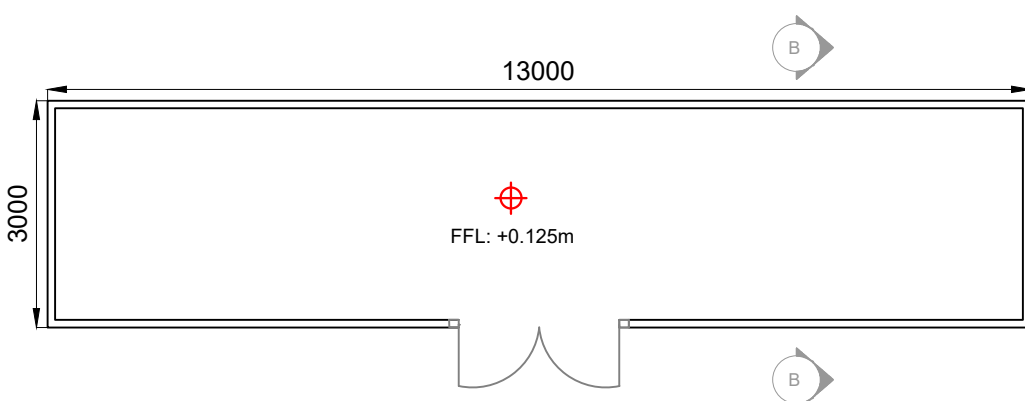
10m x 4m UNIT - FRONT ELEVATION
SCALE 1:100



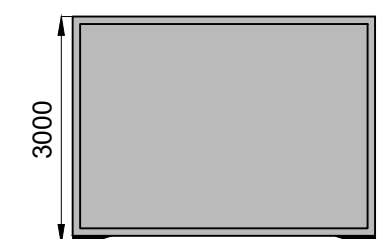
10m x 4m UNIT - SIDE ELEVATION
SCALE 1:100



STORAGE UNIT - FRONT ELEVATION
SCALE 1:100



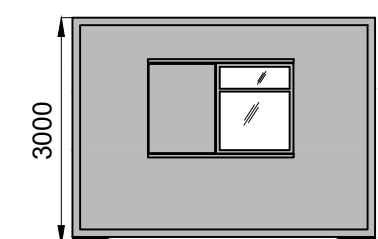
STORAGE UNIT - PLAN
SCALE 1:100



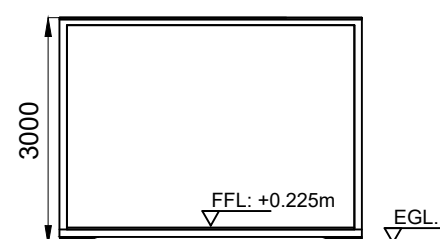
DRYING ROOM - SIDE ELEVATION
SCALE 1:100



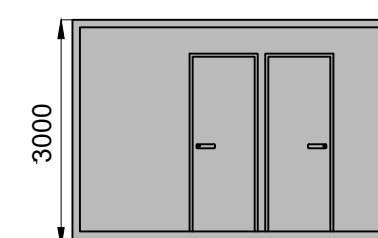
DRYING ROOM & TOILETS- REAR ELEVATION
SCALE 1:100



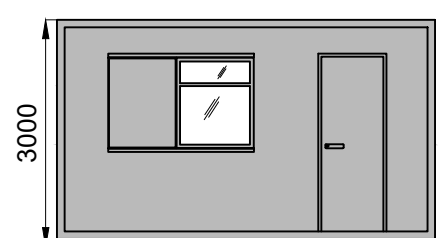
TOILETS - SIDE ELEVATION
SCALE 1:100



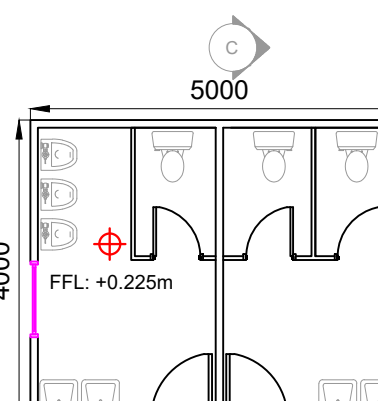
DRYING ROOM & TOILETS - SECTION C-C
SCALE 1:100



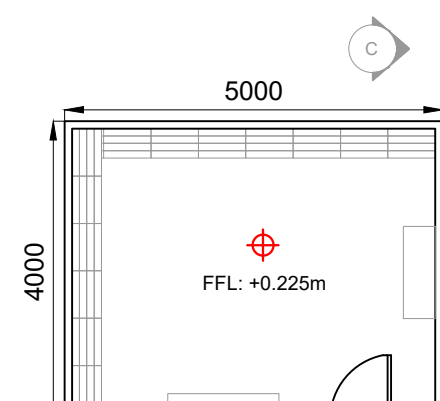
TOILETS - FRONT ELEVATION
SCALE 1:100



DRYING ROOM - FRONT ELEVATION
SCALE 1:100



TOILETS - FLOOR PLAN
SCALE 1:100



DRYING ROOM - FLOOR PLAN
SCALE 1:100

Client: **FuturEnergy Ireland**

Project: **SCART MOUNTAIN WIND FARM**

Title: **PROPOSED TEMPORARY SITE COMPOUND PLAN ELEVATIONS & SECTIONS**

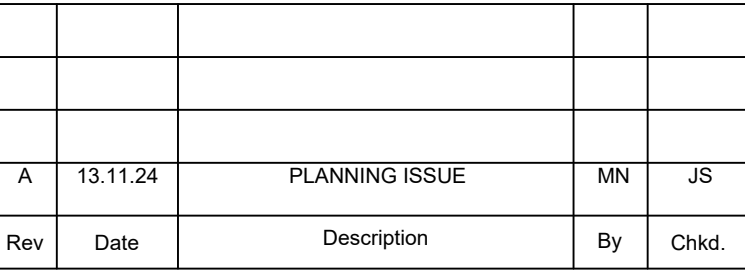
Scale @ A1: **As Shown**

Prepared by: **M. Nolan** Checked by: **J. Staunton** Date: **November '24**

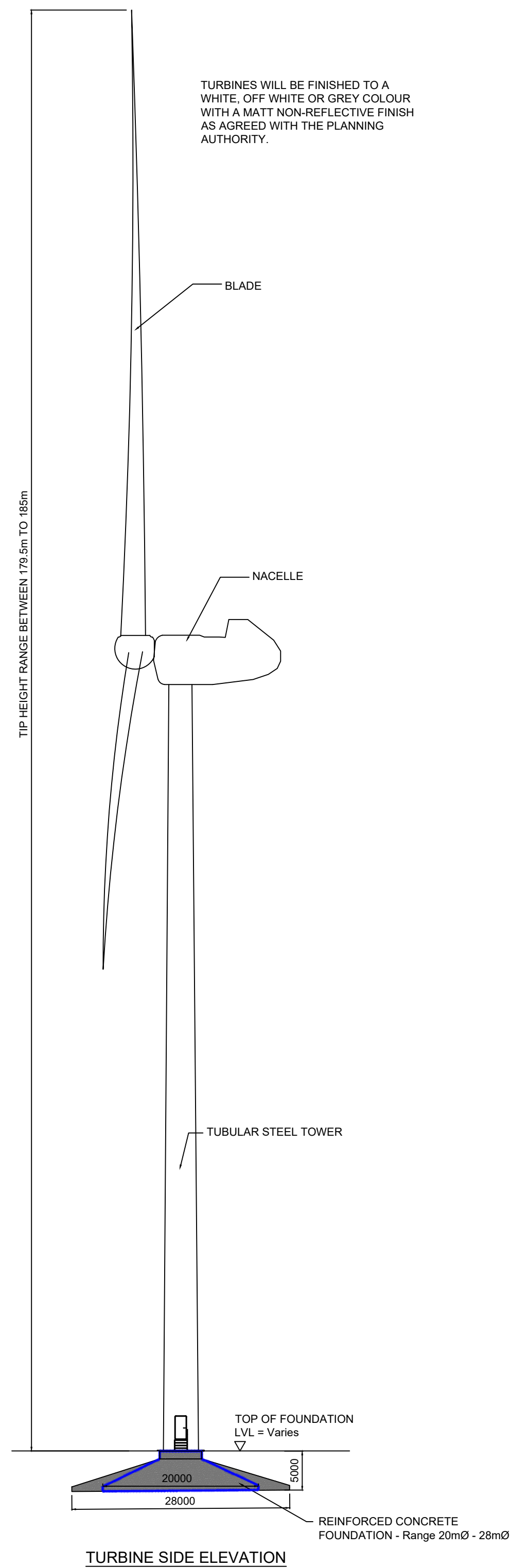
Drawing Status: **Planning**

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Drawing No.: **11303-2015** Revision: **A**



Drawing No.:	Revision:
11303-2016	A



NOTE:
Orientation varies as multiple instances on site,
north point can be seen on Drg. No: 11303-2003.

Exact founding depths for turbines will be below peat depth (where present) to competent strata and will be confirmed at detailed design stage following detailed confirmatory site investigation. It is assumed that all turbines will have a gravity foundation (i.e. no piled foundations).

A	13.11.24	PLANNING ISSUE	MN	JS
Rev	Date	Description	By	Chkd.

Client: **FuturaEnergy** Ireland

Project:

SCART MOUNTAIN WIND FARM

Title:
TURBINE DETAILS

Scale @ A1:	1:500	
Prepared by: M. Nolan	Checked by: J. Staunton	Date: November '24

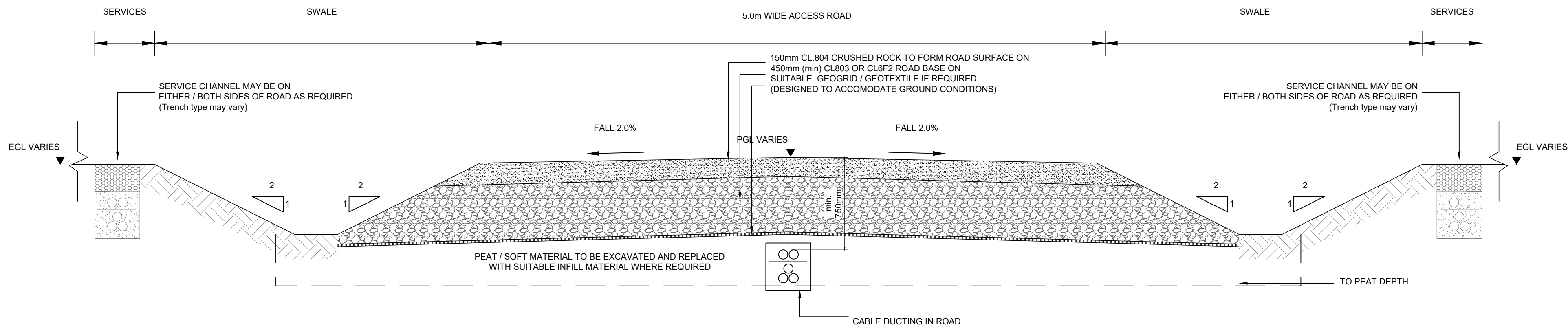
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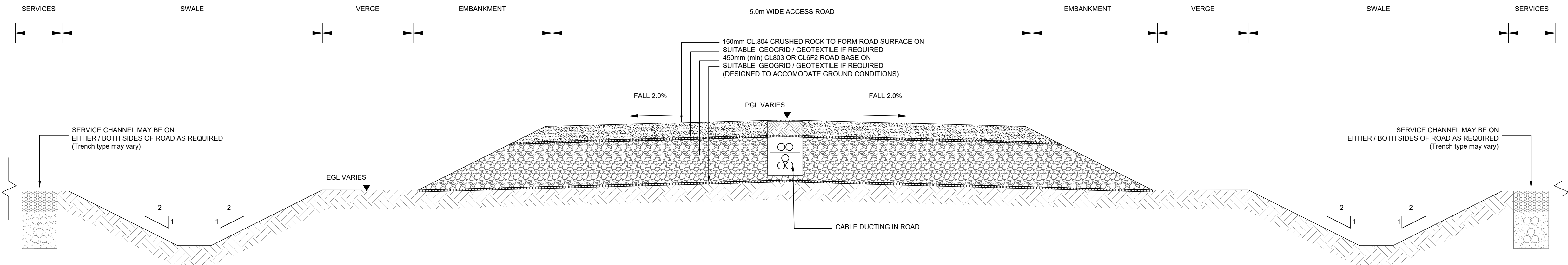
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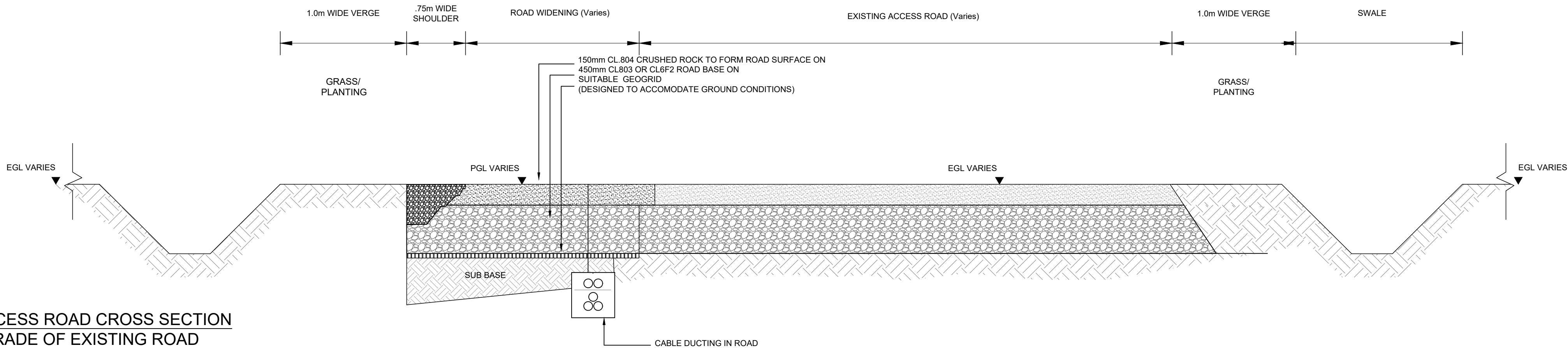
Drawing No.:	Revision:
11303-2017	A



TYPE 1 - 5.0m CONSTRUCTION TRAFFIC ACCESS ROAD
CROSS SECTION EXCAVATE & REPLACE



TYPE 2 - 5.0m CONSTRUCTION TRAFFIC ACCESS ROAD
CROSS SECTION FLOATING ROAD



TYPE 3 - 5.0m ACCESS ROAD CROSS SECTION
WIDENING / UPGRADE OF EXISTING ROAD

A	13.11.24	PLANNING ISSUE	MN	JS
Rev	Date	Description	By	Chkd.

Client:

Project:

SCART MOUNTAIN WIND FARM

Title:

ROAD CONSTRUCTION DETAILS

Scale @ A1:

1:25

Prepared by:

M. Nolan

Checked by:

J. Staunton

Date:

November '24

Drawing Status:

Planning

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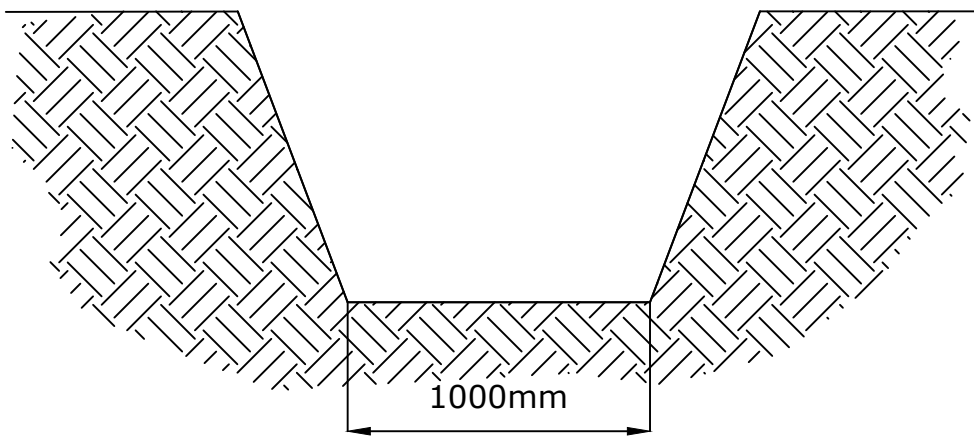
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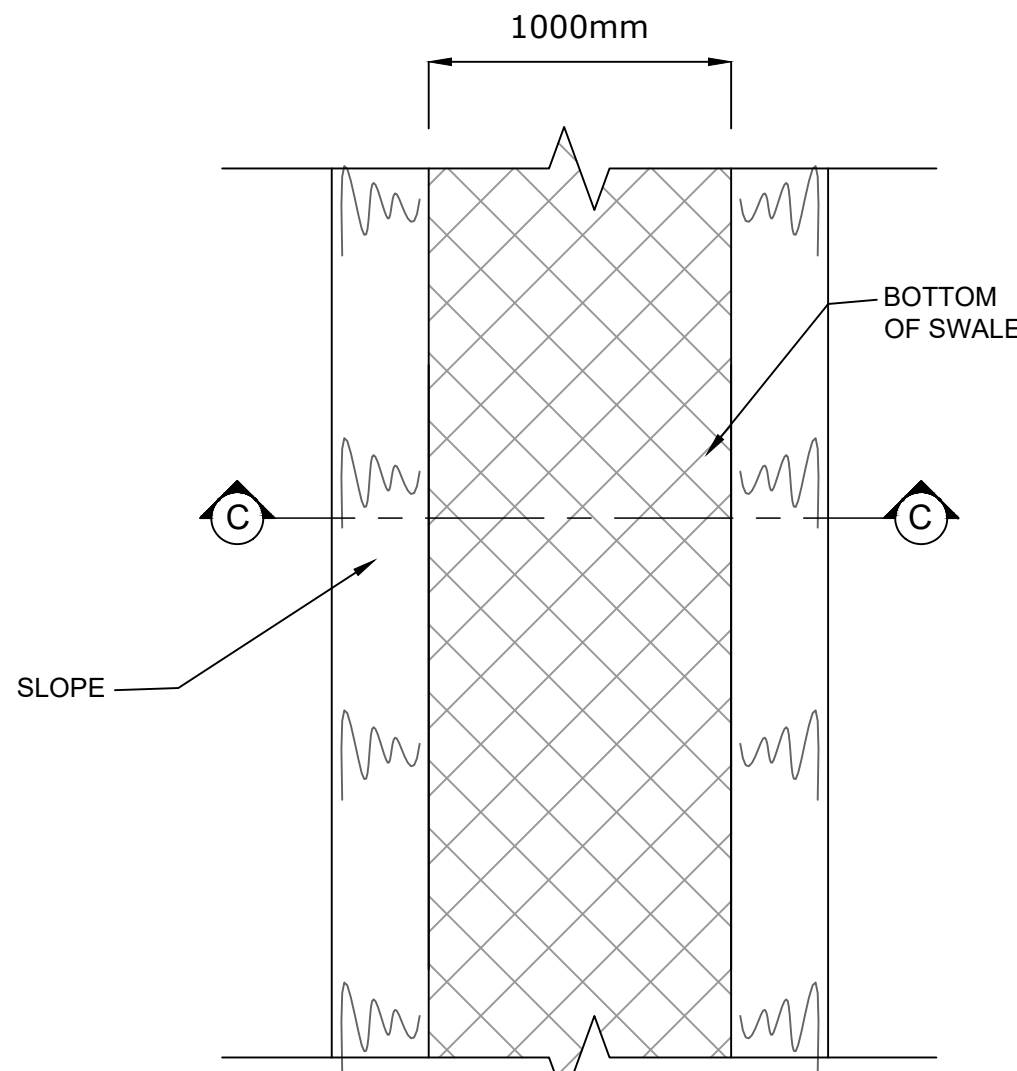
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Revision:

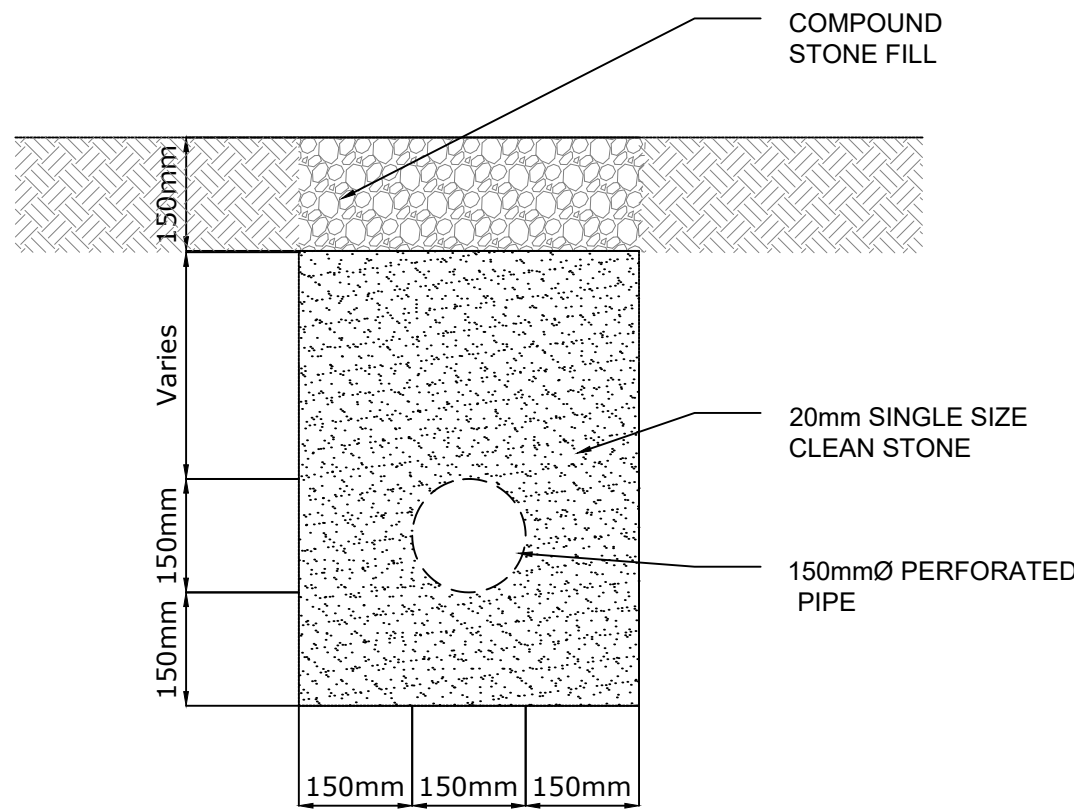
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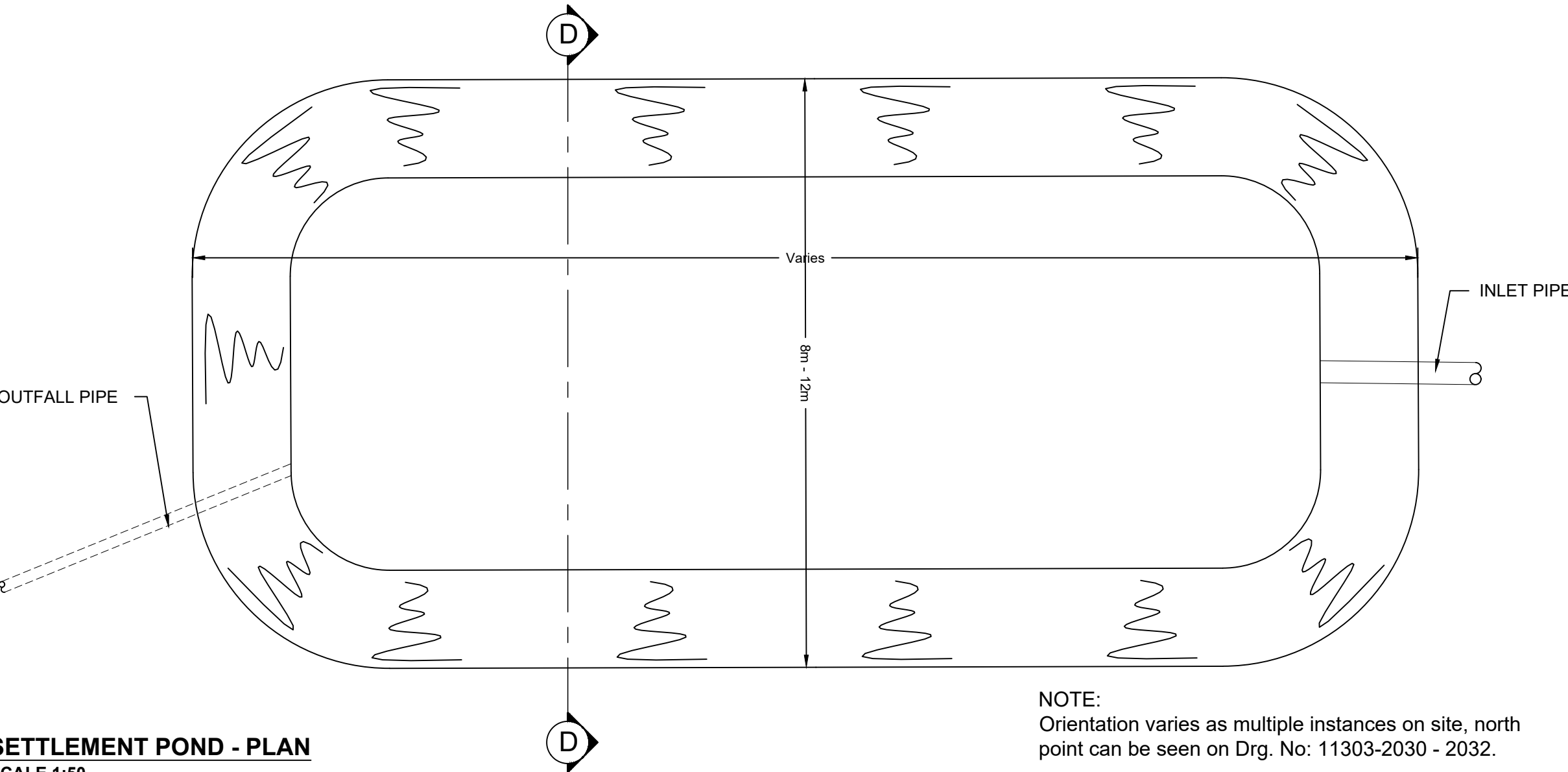
SECTION C-C
SCALE 1:25



PLAN OF INTERCEPTOR DRAIN
SCALE 1:25

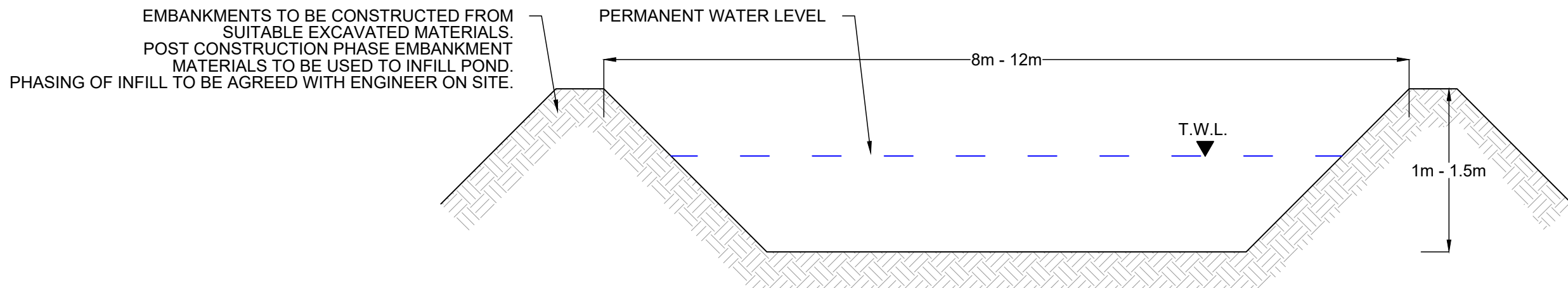


FILTER DRAIN DETAIL
SCALE 1:10

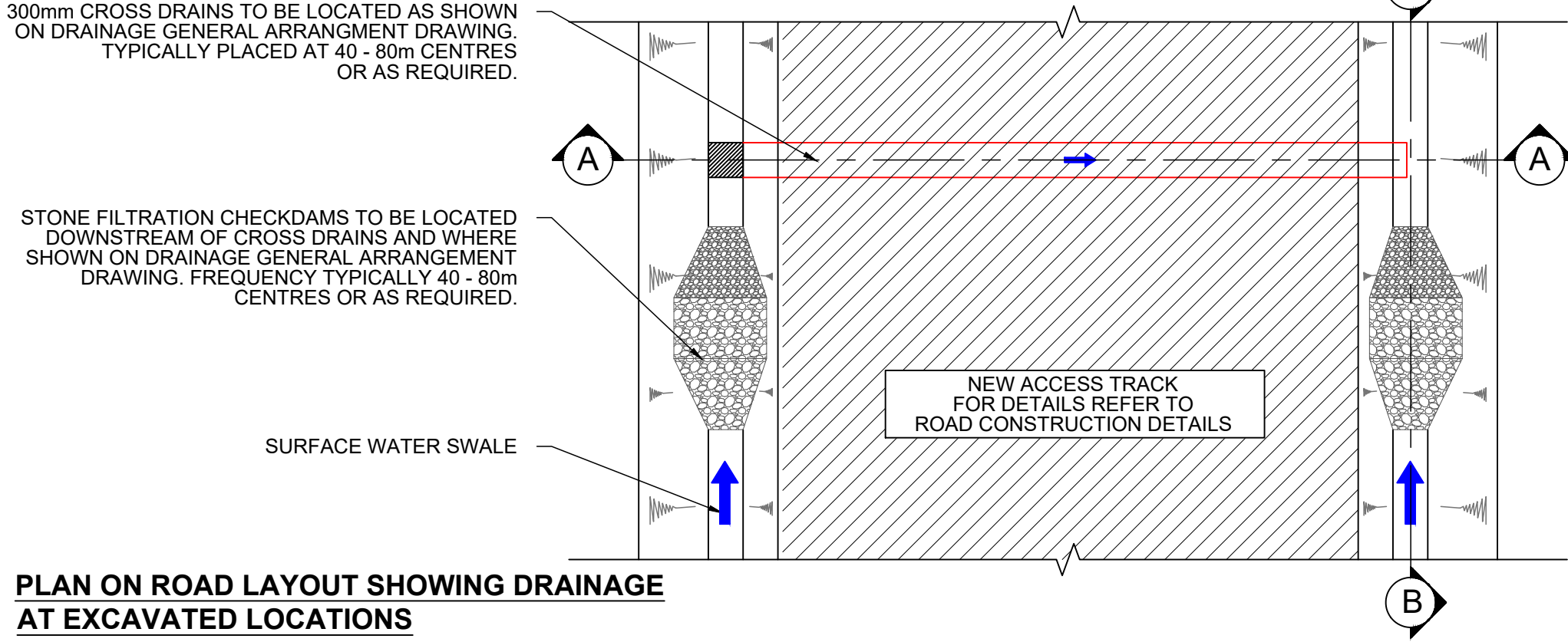


SETTLEMENT POND - PLAN
SCALE 1:50

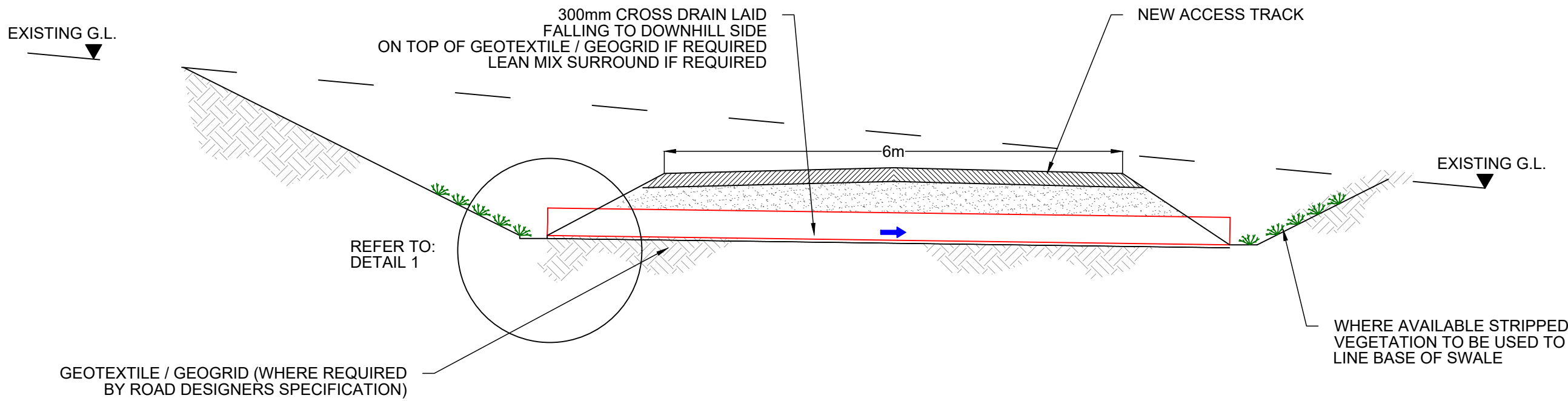
NOTE:
Orientation varies as multiple instances on site, north point can be seen on Drg. No: 11303-2030 - 2032.



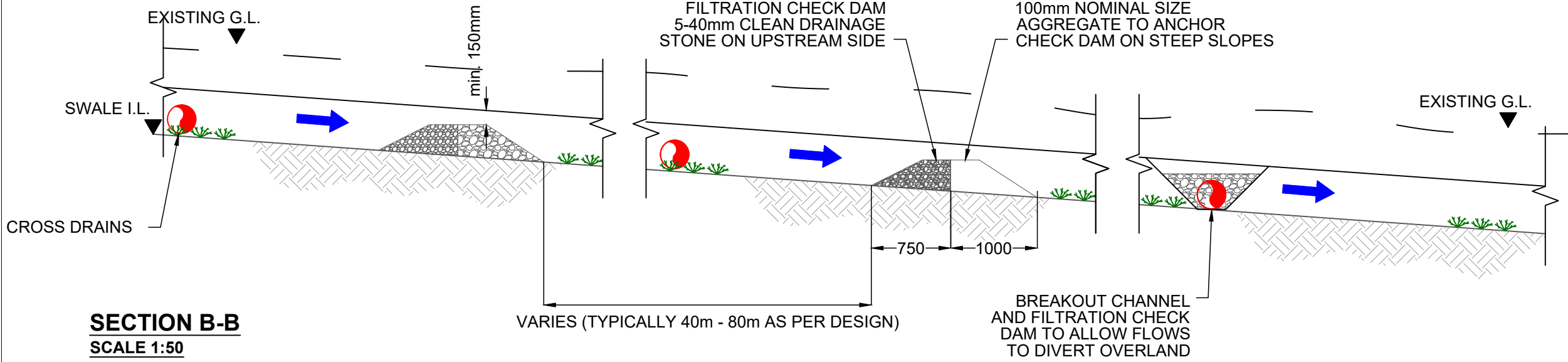
SECTION D-D
SCALE 1:50



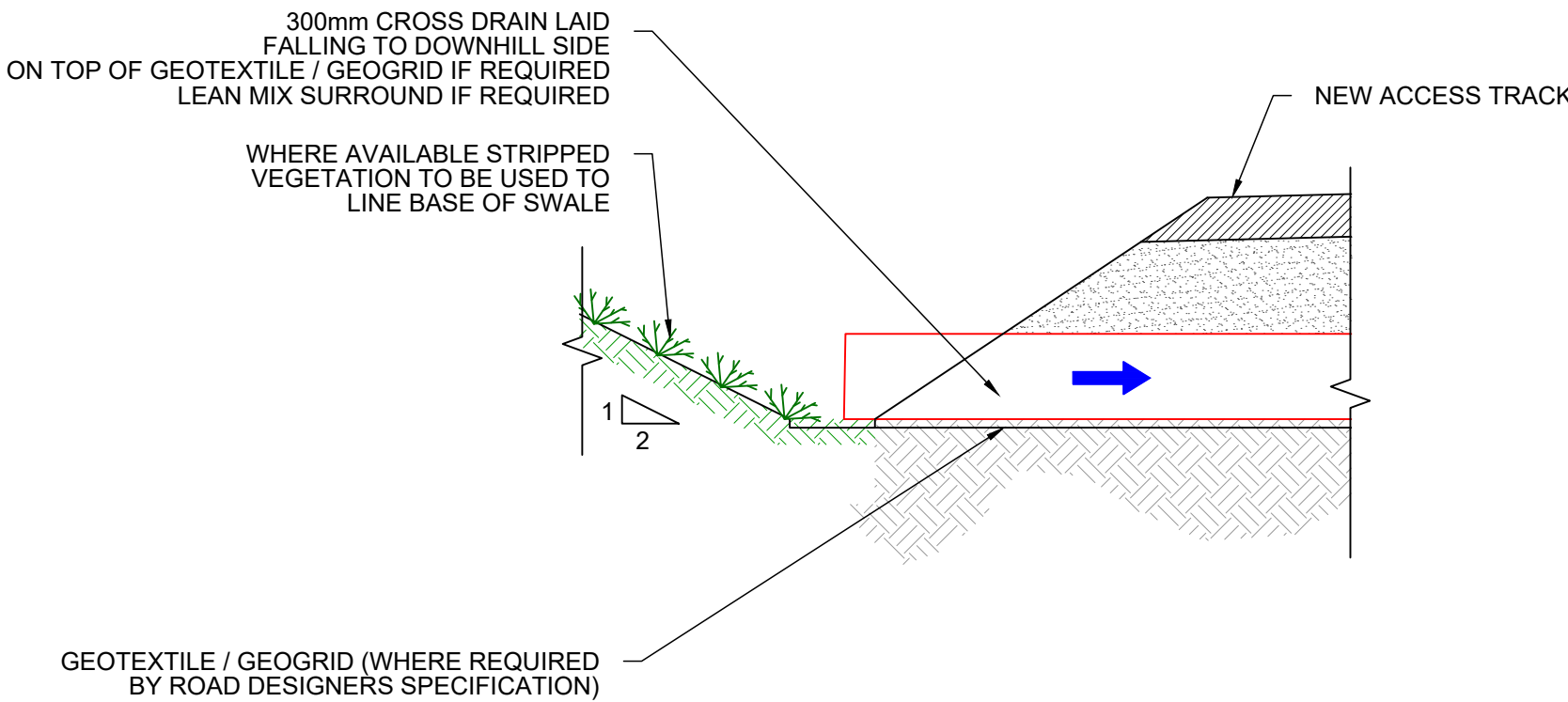
PLAN ON ROAD LAYOUT SHOWING DRAINAGE
AT EXCAVATED LOCATIONS
SCALE 1:50



SECTION A-A
SCALE 1:50



SECTION B-B
SCALE 1:50



DETAIL 1
SCALE 1:100

A	13.11.24	PLANNING ISSUE	MN	JS
Rev	Date	Description	By	Chkd.

Clie

FuturEnergy

Project:

SCART MOUNTAIN WIND FARM

Title:

ROAD SWALES, DRAINS & SETTLEMENT POND DETAILS

Scale @ A1: As Shown

Prepared by: M. Nolan

Checked by: J. Staunton

Date: November '24

Drawing Status: Planning

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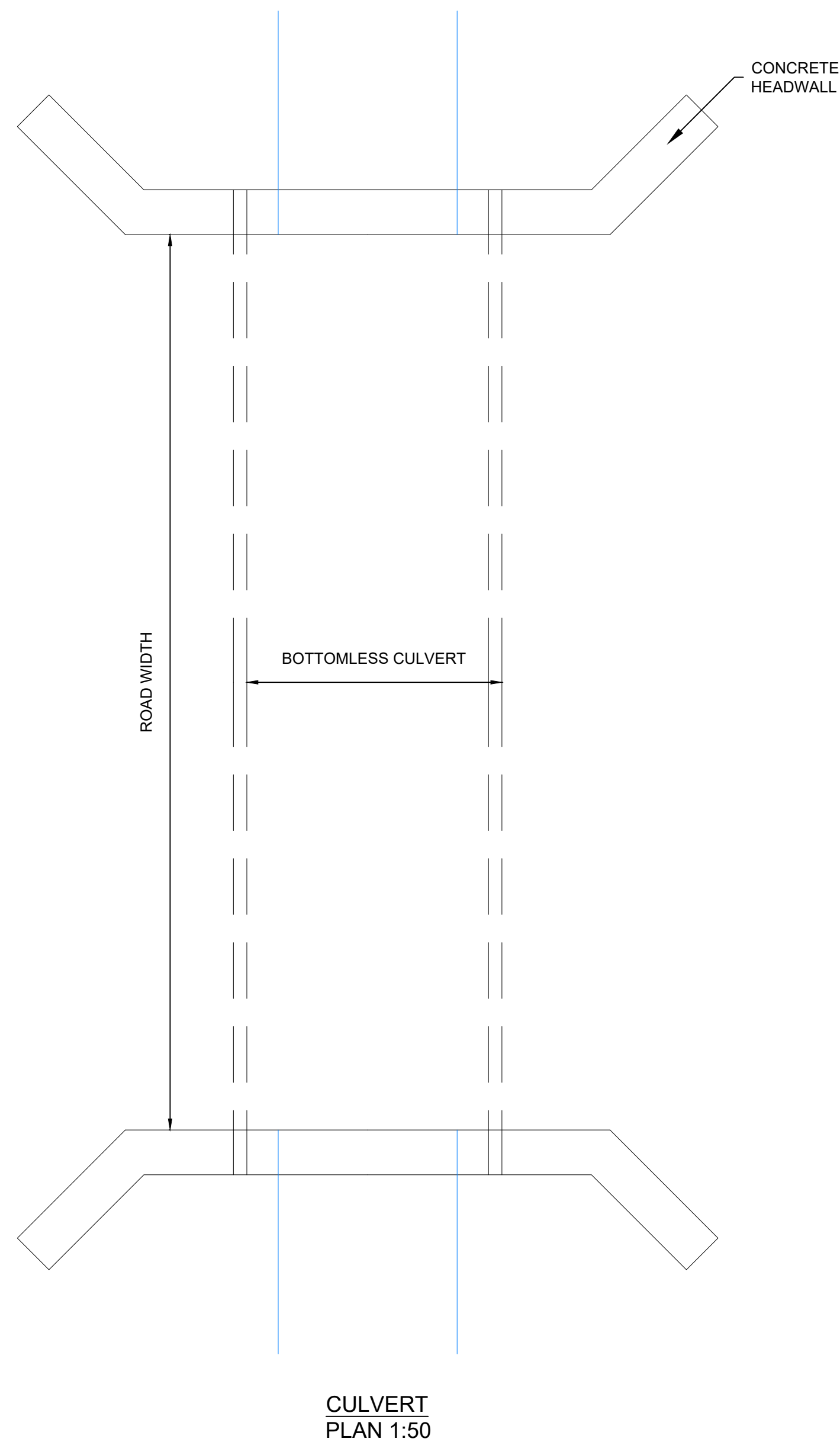
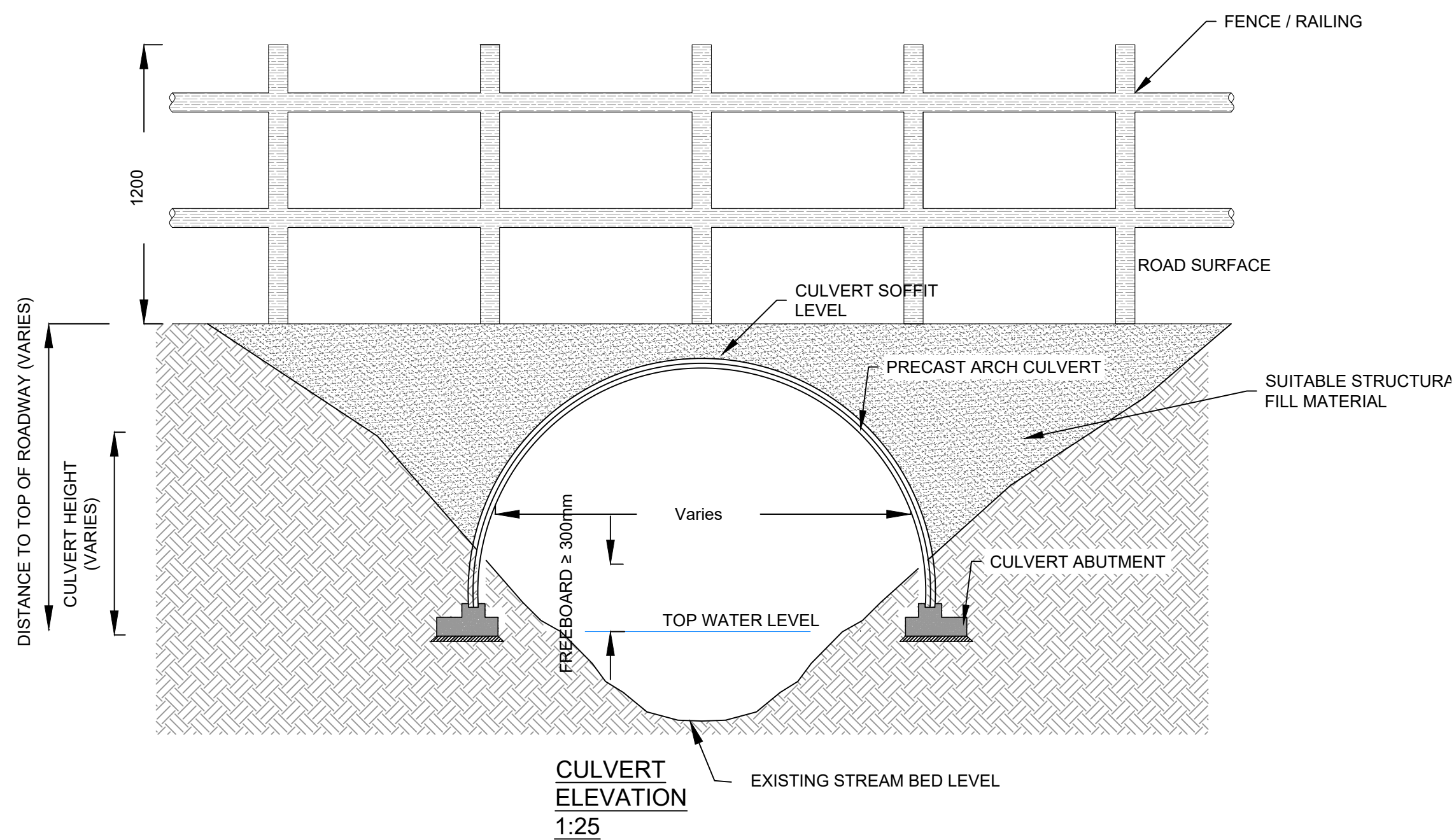
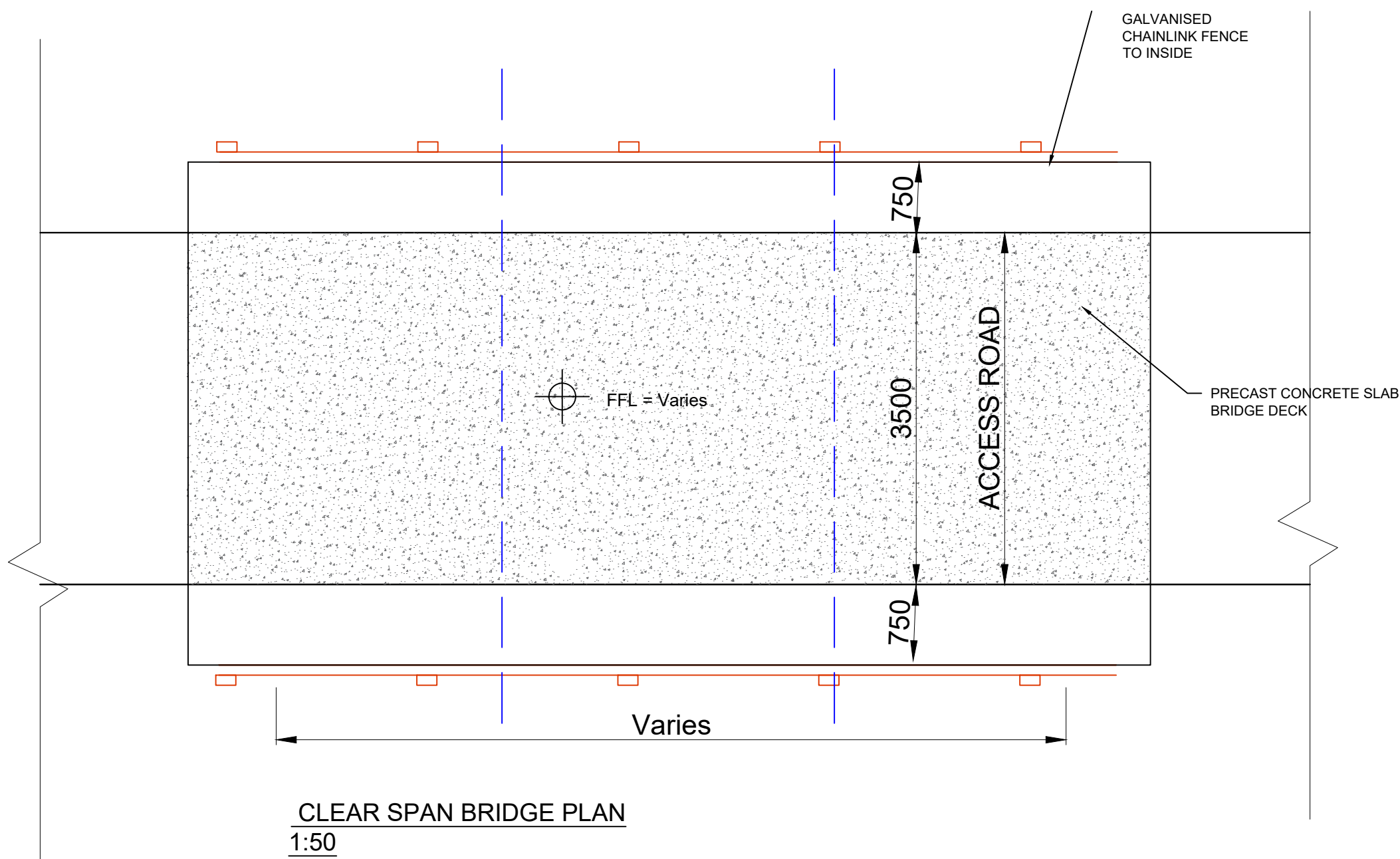
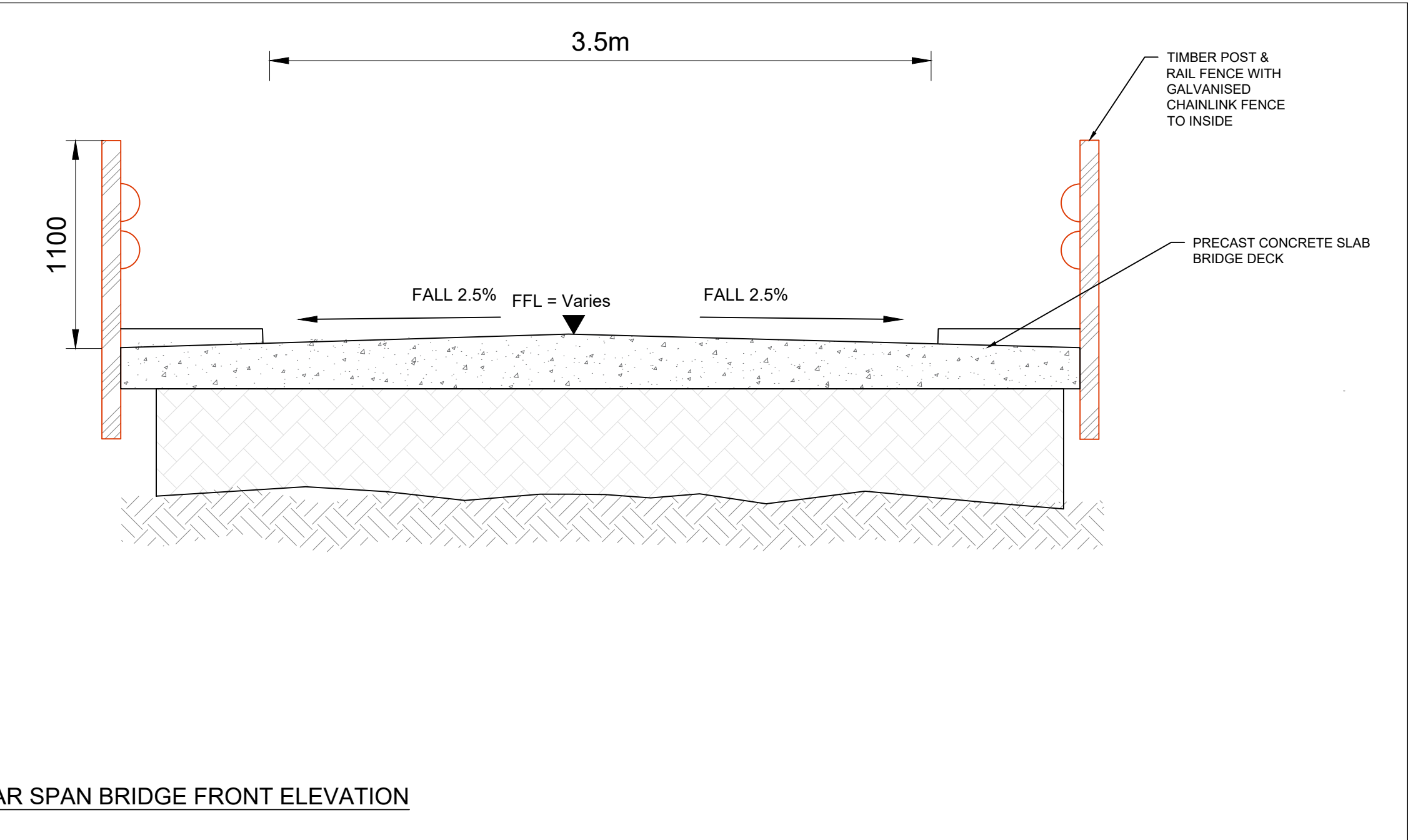
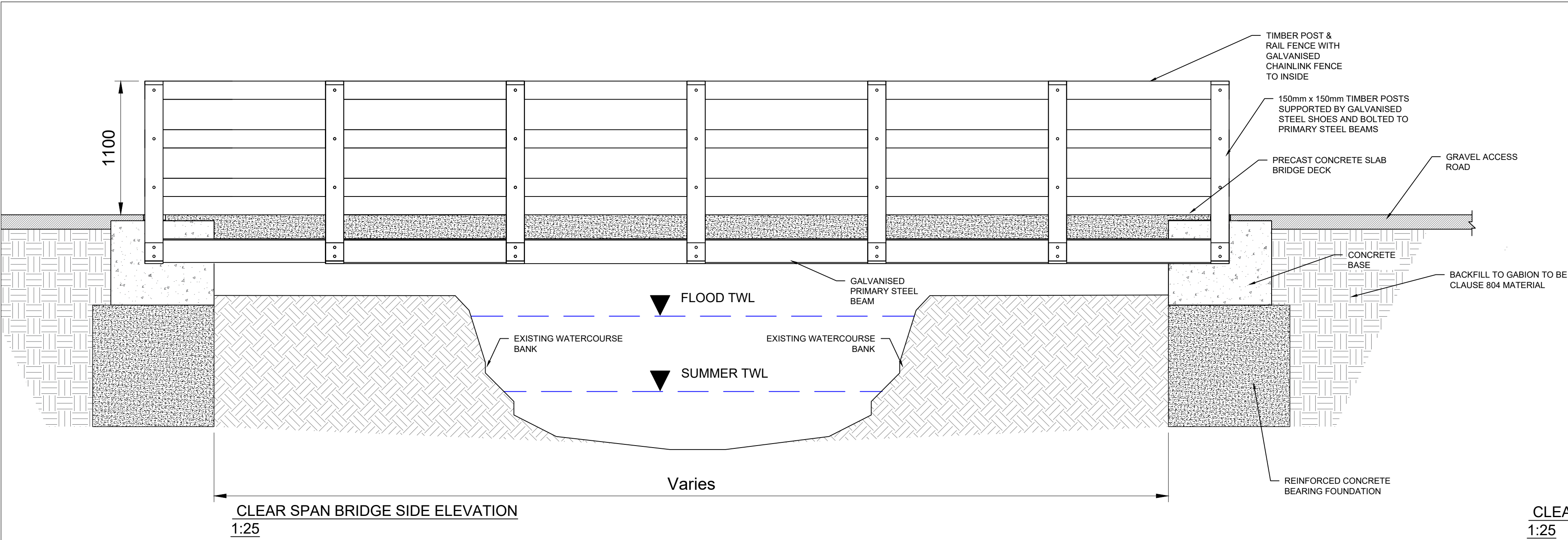
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Drawing No.: 11303-2019

Revision: A



NOTE:
Orientation varies as multiple instances on site,
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Rev	Date	Description	By	Chkd.
A	13.11.24	PLANNING ISSUE	MN	JS

Client:
FuturEnergy Ireland

Project:
SCART MOUNTAIN WIND FARM

Title:
CLEAR SPAN BRIDGE & CULVERT DETAILS

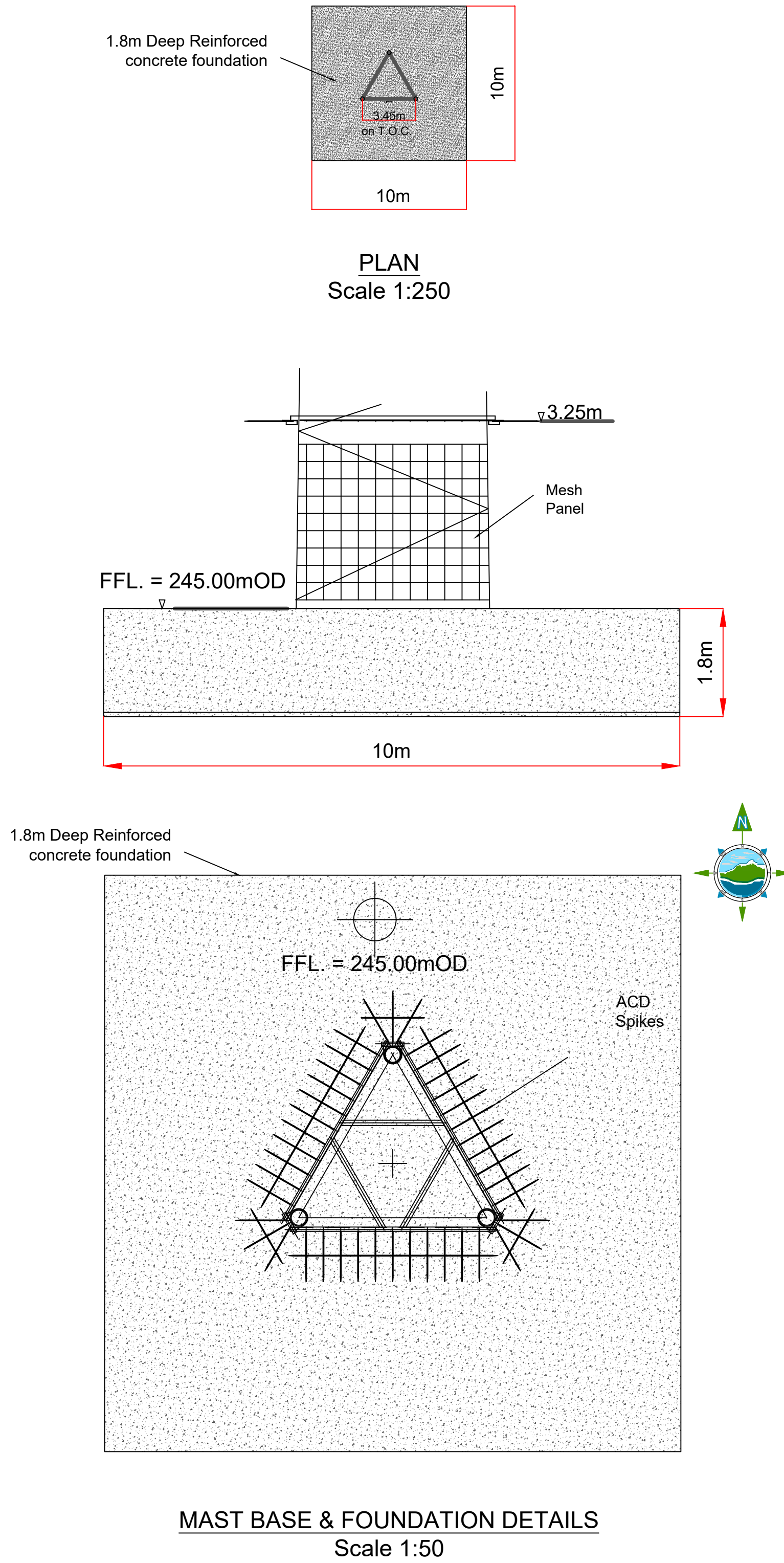
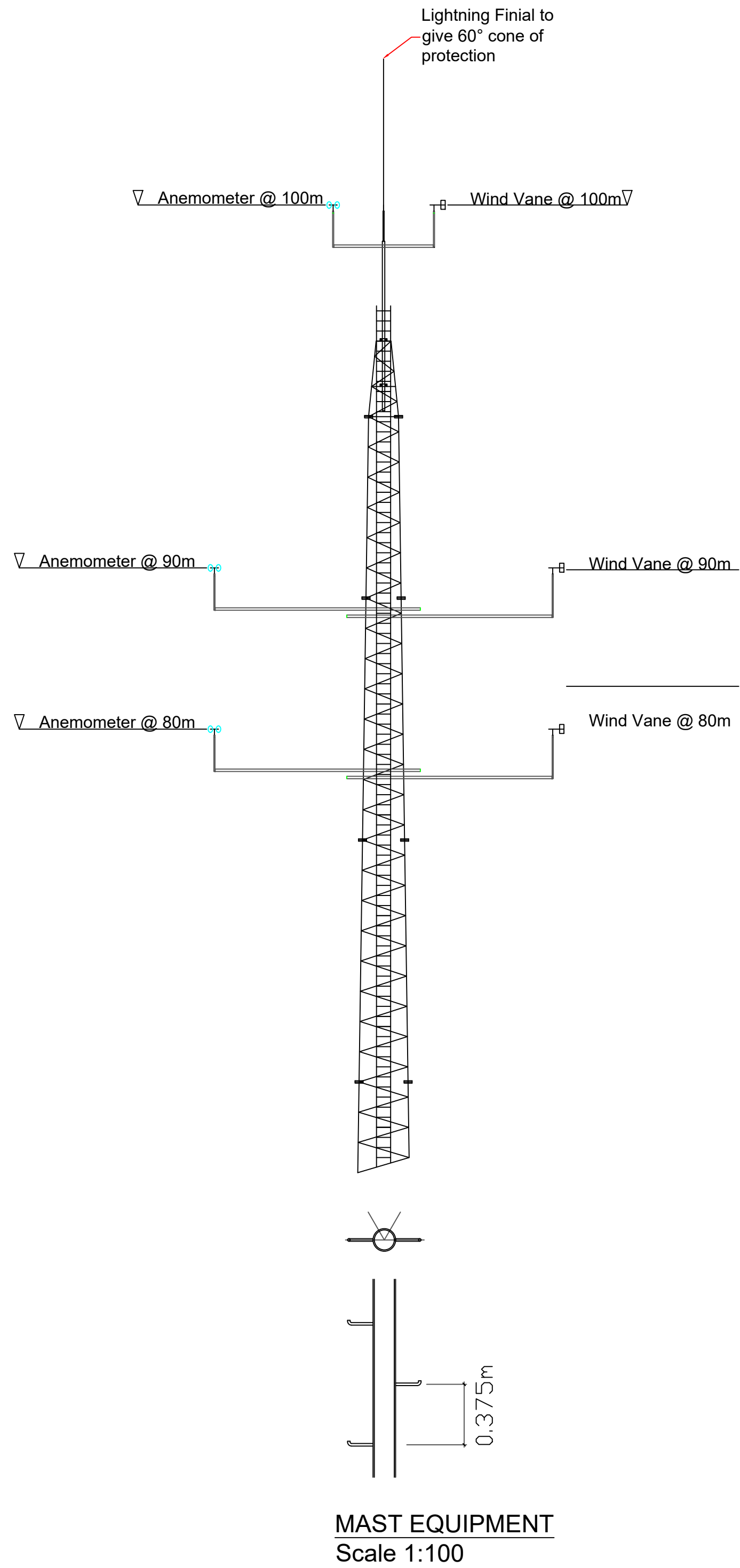
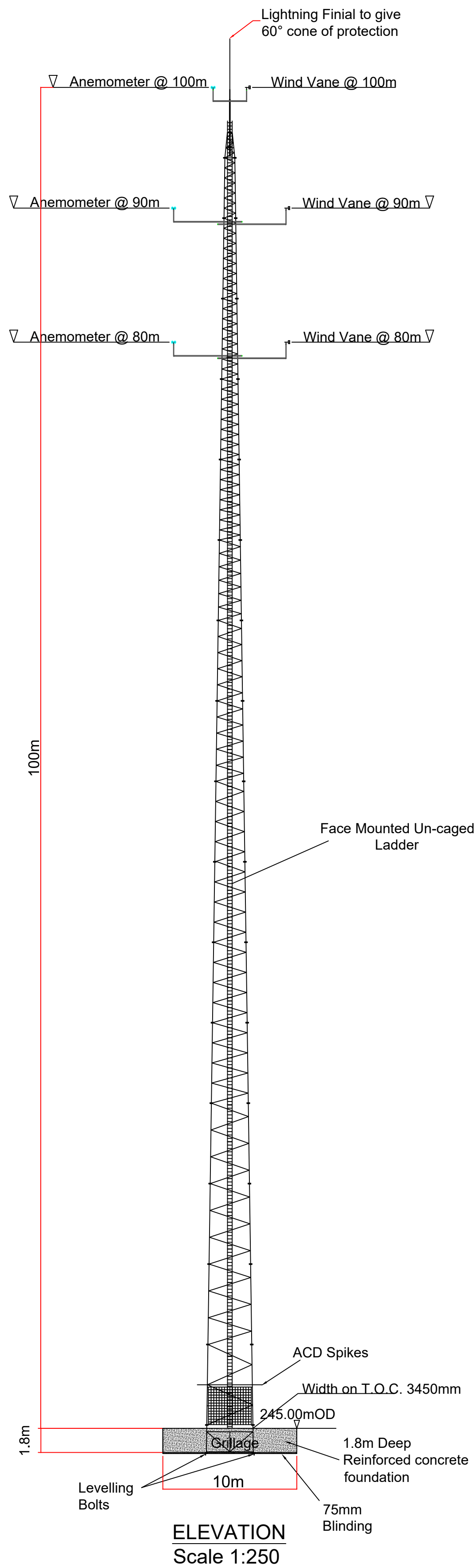
Scale @ A1: **As Shown**

Prepared by: M. Nolan
Checked by: J. Staunton
Date: November '24

Drawing Status: **Planning**

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Drawing No.: **11303-2020**
Revision: **A**



NOTES:

- The tower is triangular lattice construction with circular hollow sections throughout.
- Wind loading and design in accordance with Eurocode Standards (NA ROI).
- Booms will be in compliance with IEC 61400-12-1 (2017) for wind deficit of 99.0% for Primary Booms.
- Fundamental Basic Wind Velocity; Vb, map of 25m/sec and design life of 35 years.
- Site altitude: 200m above sea level.
- Tower usage; Onshore Meteorological
- Reliability Class 1
- Terrain characteristics; Country
- The Tower is designed for Radial Ice Thickness of 55mm in still air condition and 5mm in conjunction with wind.
- The tower can be equipped with external face mounted un-caged ladder or climbing step bolts mounted on one of the legs.
- If climbing step bolts are required from above the anti climbing device, then a short external leg mounted access base ladder can be supplied with lockable cover plate.
- Tower could be fitted with adequate Anti Climbing Device (ACD) at 3.25m level.
- Mesh panels can be fitted on 3 faces on bottom module of the tower.
- All steelworks shall be supplied in accordance with the current European Standards EN 10025-2:2004 and EN 10210-1:2006 of grades S275 and S355.
- Fabrication complies with the CE requirements to EXC2 level and all certificates with CE marking will be provided.
- All connections for bracing members shall be of bolted type of grade 8.8 or 10.9 complete with nuts and spring washers.
- All steelworks shall be hot dip galvanised to European Standard EN ISO 1461 with minimum average coating of 85 microns.
- Lightning Finial would be fitted to tower top and each leg of the tower should be connected to adequate earth system with copper tapes.
- The tower can be fitted with adequate Latchways fall arrest system on the ladder or on the climbing leg if step bolts are requested.

A	13.11.24	PLANNING ISSUE	MN	JS
Rev	Date	Description	By	Chkd.

Client: **FuturEnergy Ireland**

Project: **SCART MOUNTAIN WIND FARM**

Title: **PROPOSED MET MAST DETAILS**

Scale @ A1: **As Shown**

Prepared by: M. Nolan Checked by: J. Staunton Date: November '24

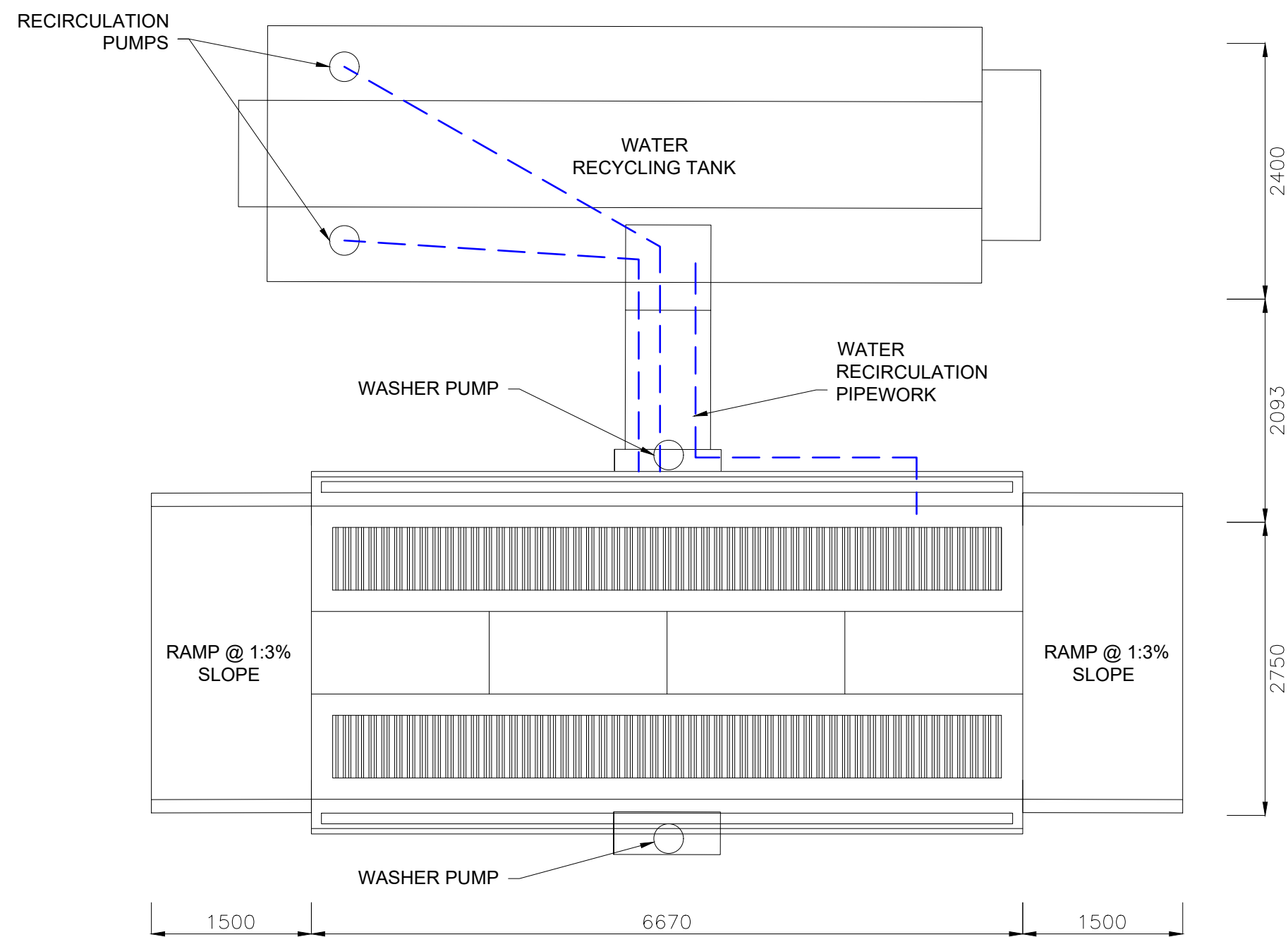
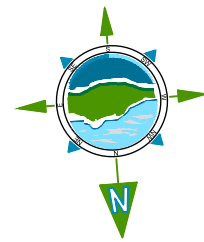
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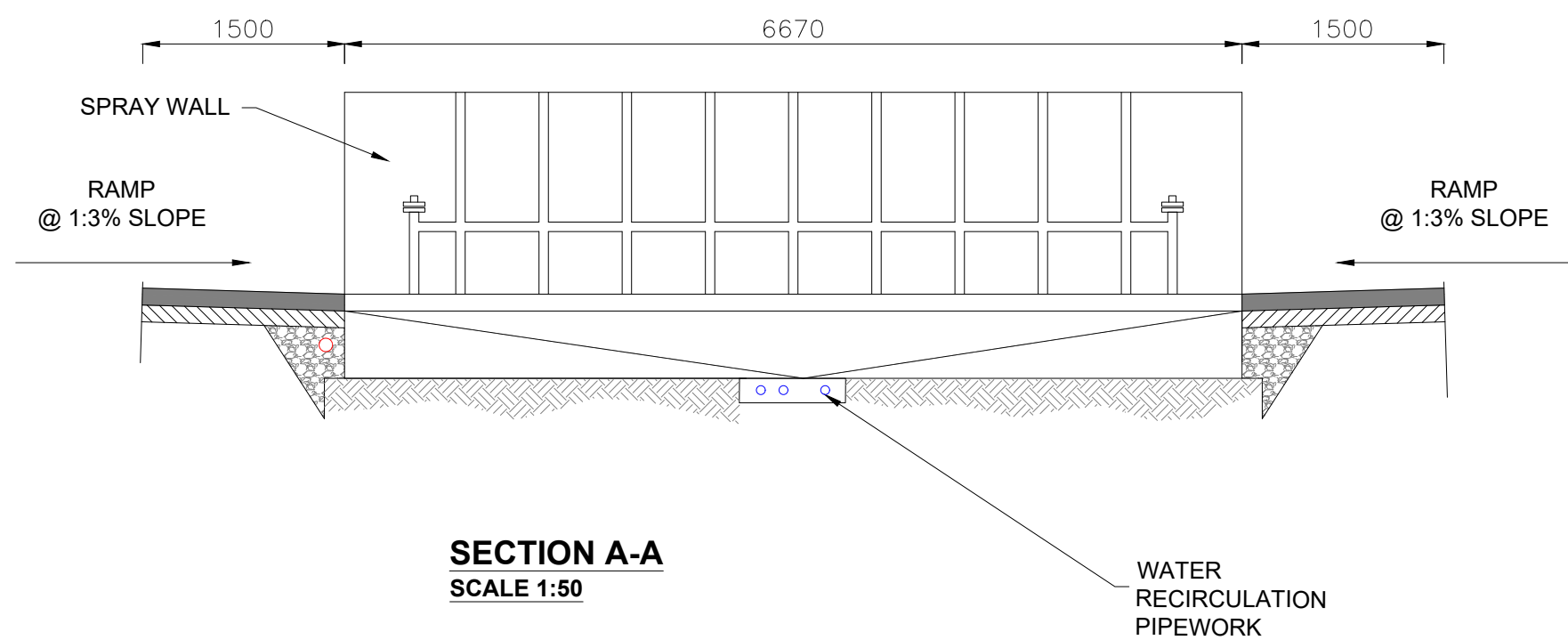
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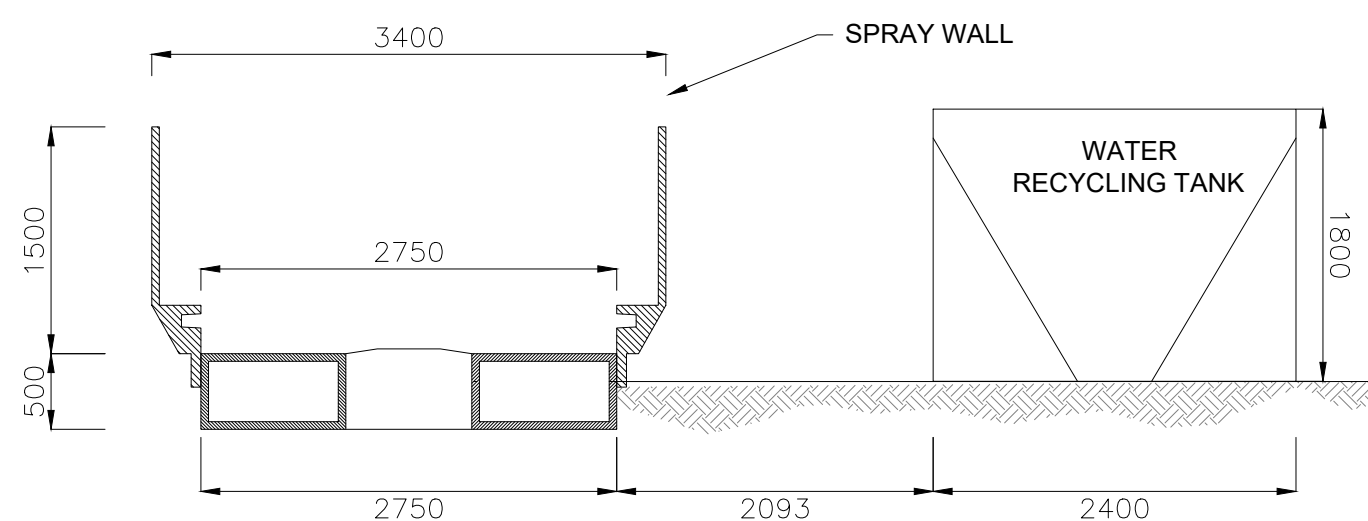
Drawing No.: **11303-2021** Revision: **A**



WHEELWASH - PLAN
SCALE 1:50



SECTION A-A
SCALE 1:50



SECTION B-B
SCALE 1:50

A	13.11.24	PLANNING ISSUE	MN	JS
Rev	Date	Description	By	Chkd.

Client:

Project:

SCART MOUNTAIN WIND FARM

Title:

PROPOSED SELF CONTAINED
TEMPORARY WHEELWASH DETAILS

Scale @ A1:

1:50

Prepared by:

Checked by:

Date:

M. Nolan

J. Staunton

November '24

Drawing Status:

Planning

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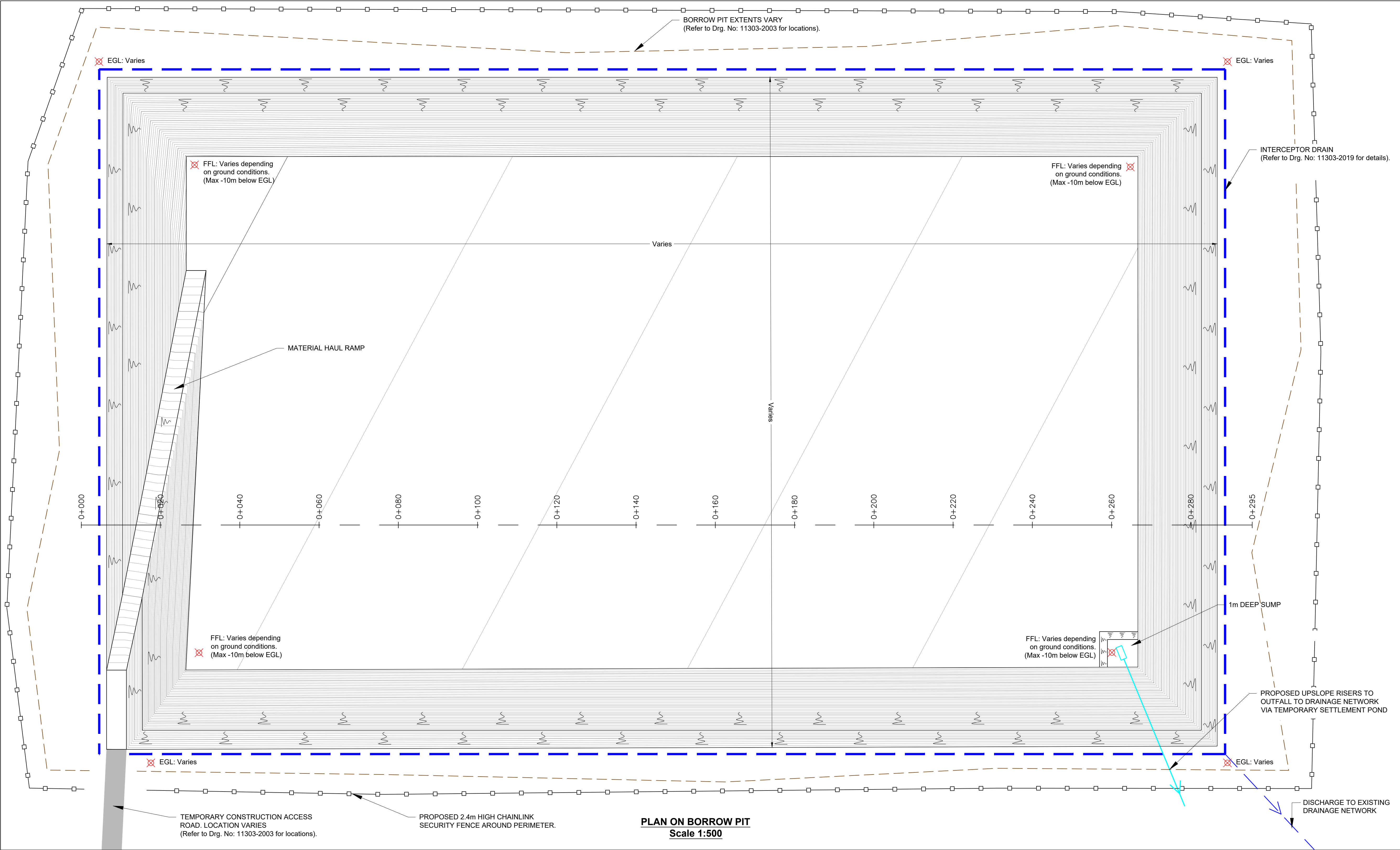
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Drawing No.:

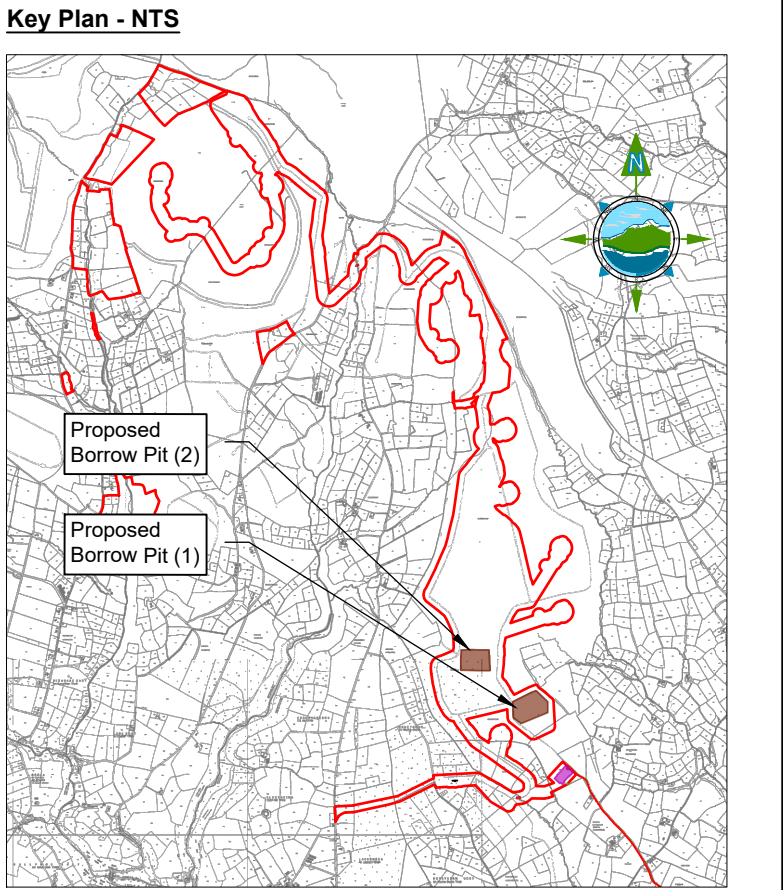
Revision:

11303-2022

A



GENERAL LEGEND	
PROPOSED BORROW PIT EXTENTS	PROPOSED CHAINLINK SECURITY FENCE
PROPOSED INTERCEPTOR DRAIN	GROUND LEVEL SPOT HEIGHTS



NOTE:
Orientation varies as multiple instances on site,
north point can be seen on Drg. No: 11303-2003.

Rev	Date	Description	By	Chkd.
A	13.11.24	PLANNING ISSUE	MN	JS

Client: **FuturEnergy Ireland**

Project: **SCART MOUNTAIN WIND FARM**

Title: **PROPOSED ON SITE BORROW PIT DETAILS**

Scale @ A1: **As Shown**

Prepared by: M. Nolan Checked by: J. Staunton Date: November '24

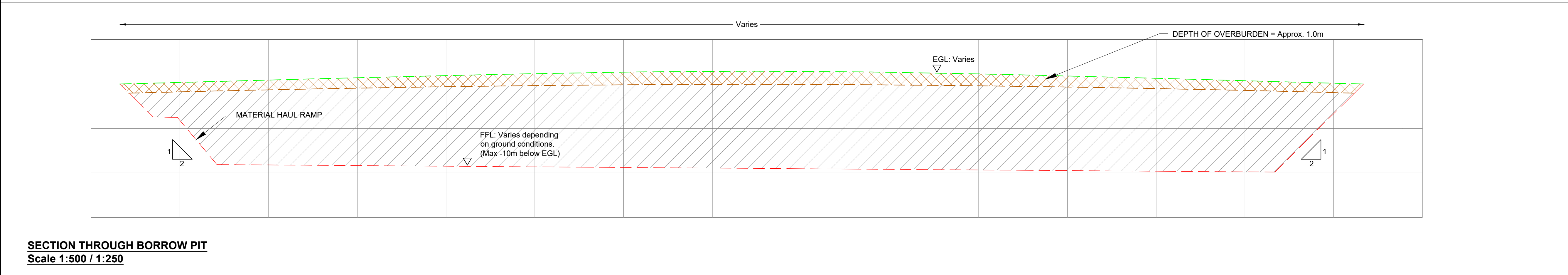
Drawing Status: **Planning**

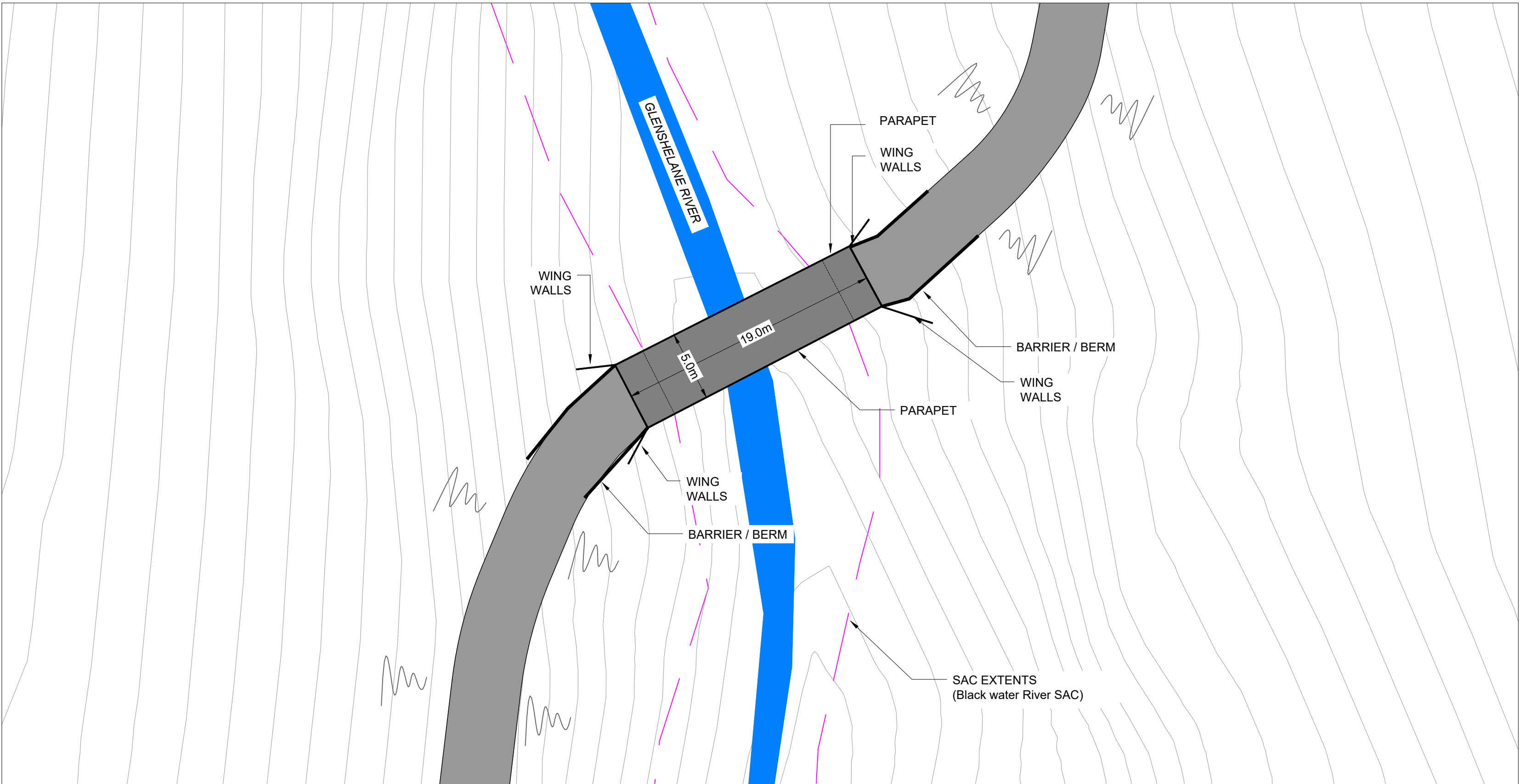
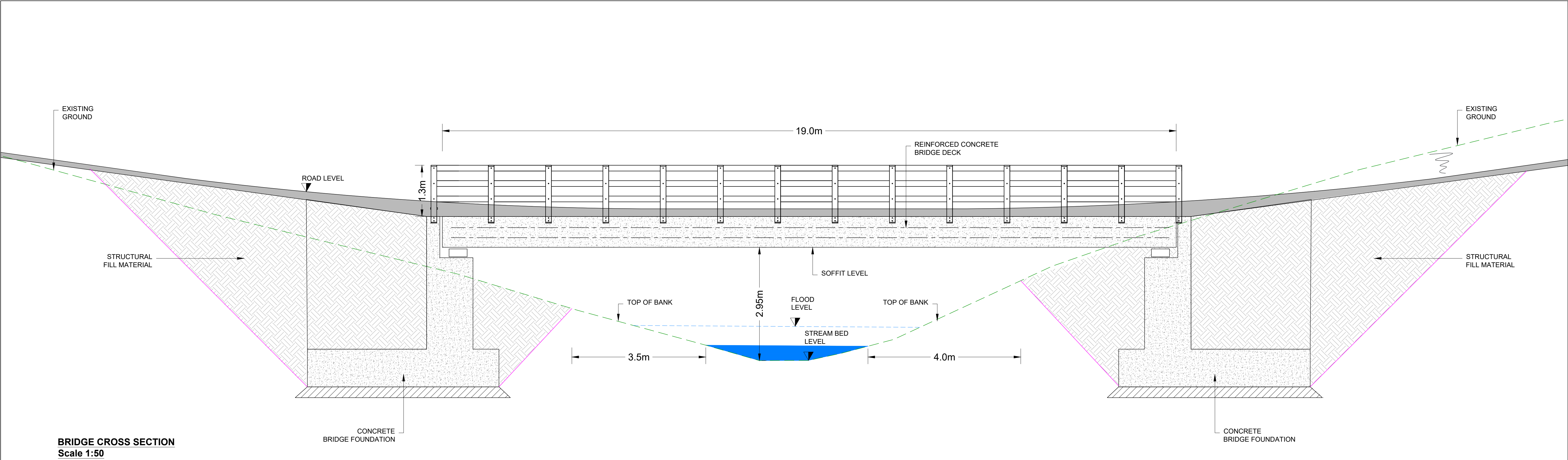
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Drawing No.: **11303-2023** Revision: **A**





A	13.11.24	PLANNING ISSUE	MN	JS
Rev	Date	Description	By	Chkd.

Client:

FuturEnergy Ireland

Project:

SCART MOUNTAIN WIND FARM

Title:

PROPOSED GLENSHELANE RIVER BRIDGE DETAILS

Scale @ A1: As Shown

Prepared by: M. Nolan

Checked by: J. Staunton

Date: November '24

Drawing Status: Planning

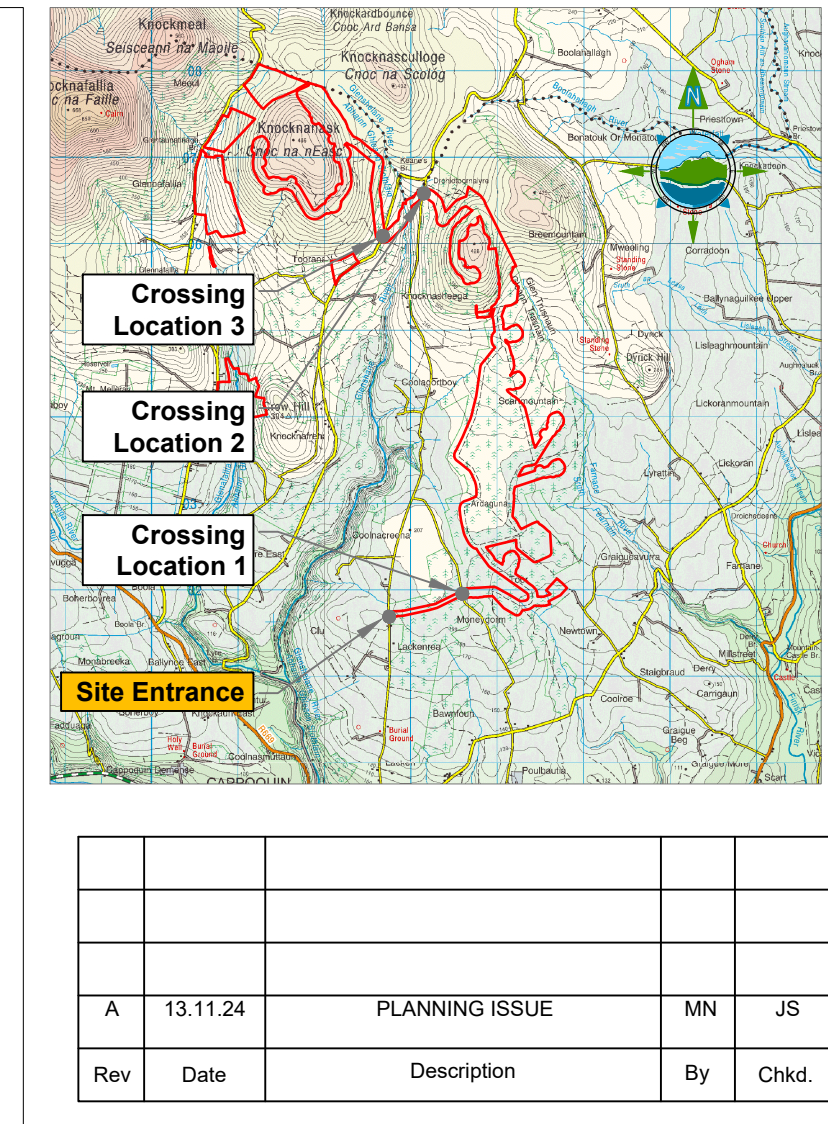
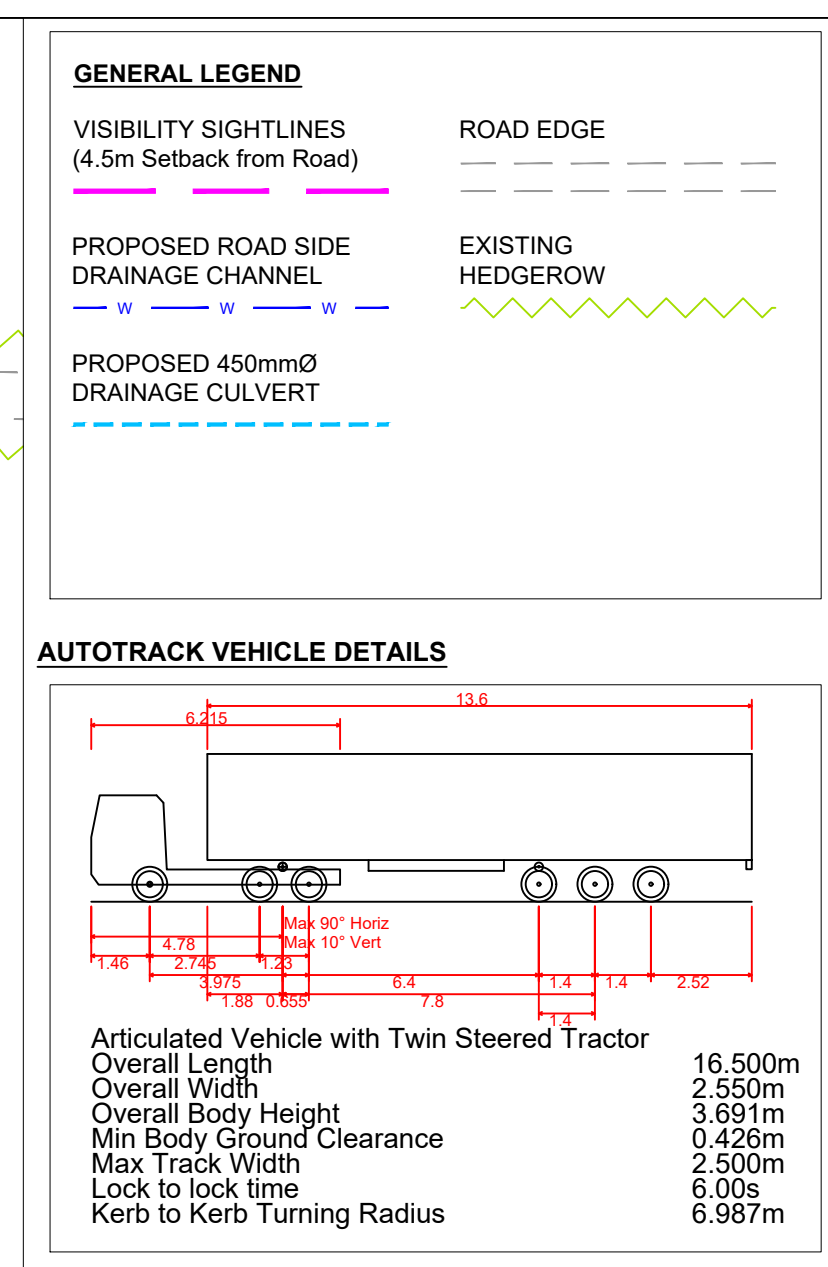
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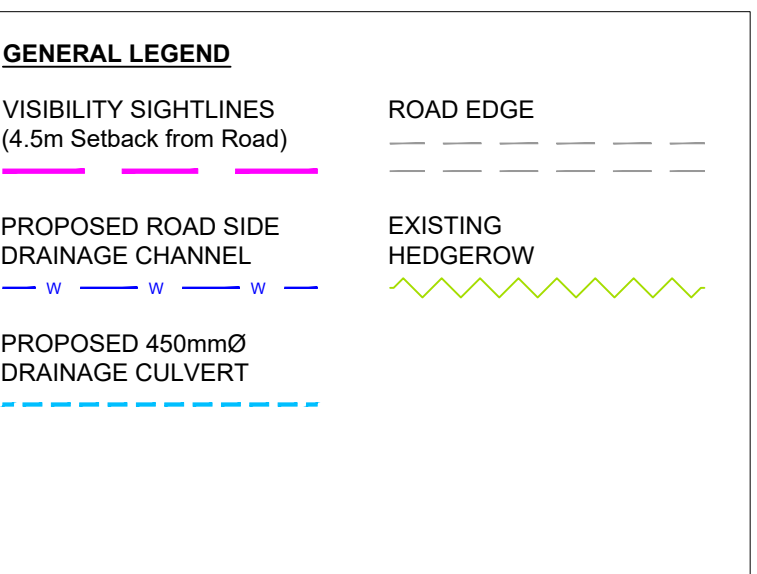
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Drawing No.: 11303-2024

Revision: A

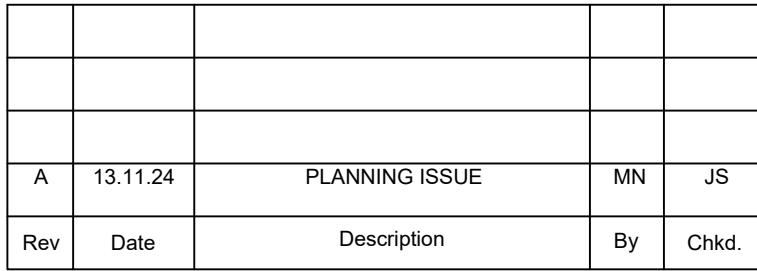


Project:		SCART MOUNTAIN WIND FARM	
Title:		L5055 SITE ENTRANCE DETAILS, VISIBILITY SIGHTLINES & AUTOTRACK ASSESSMENT	
Scale @ A1:		As Shown	
Prepared by:	Checked by:	Date:	
M. Nolan	J. Staunton	November '24	
Drawing Status:		Planning	
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Drawing No.:		Revision:	
11303-2030		A	



PLAN

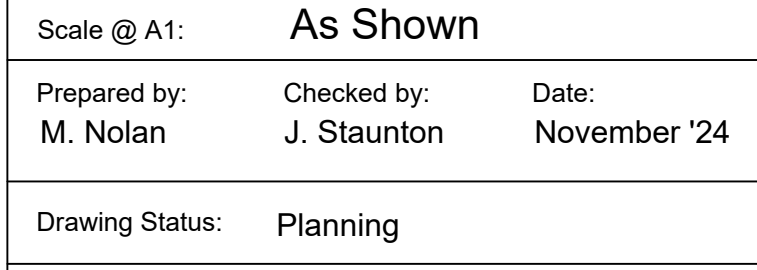
Map showing the proposed road alignment (red line) and existing roads (blue lines). The map includes a north arrow, a scale bar, and labels for various locations and roads. The proposed road alignment is shown in red and blue lines. Crossing Location 1 is highlighted in yellow, Crossing Location 2 in white, and Crossing Location 3 in white. The Site Entrance is also marked.

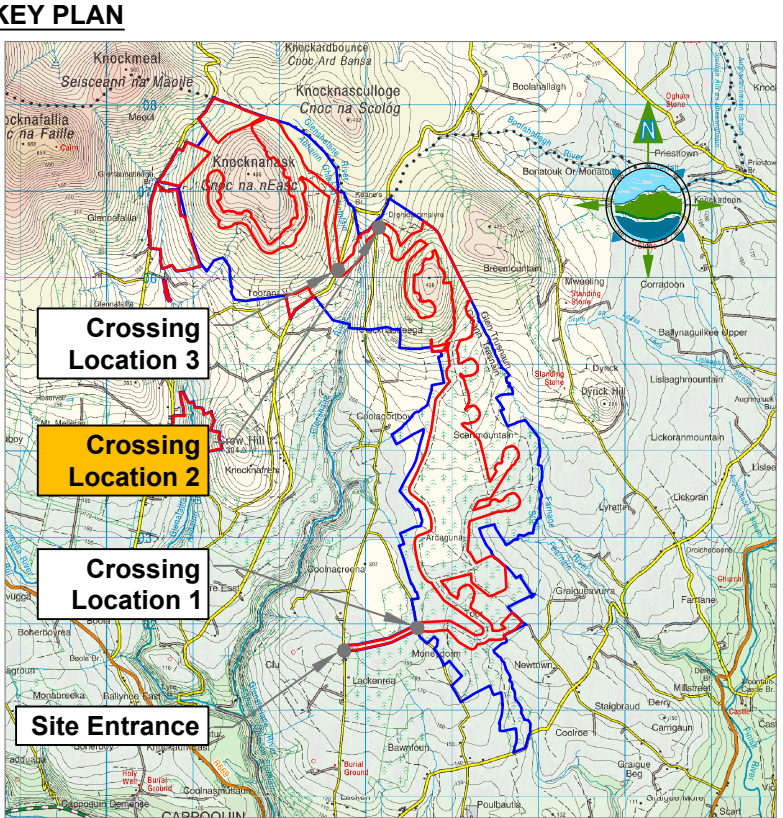
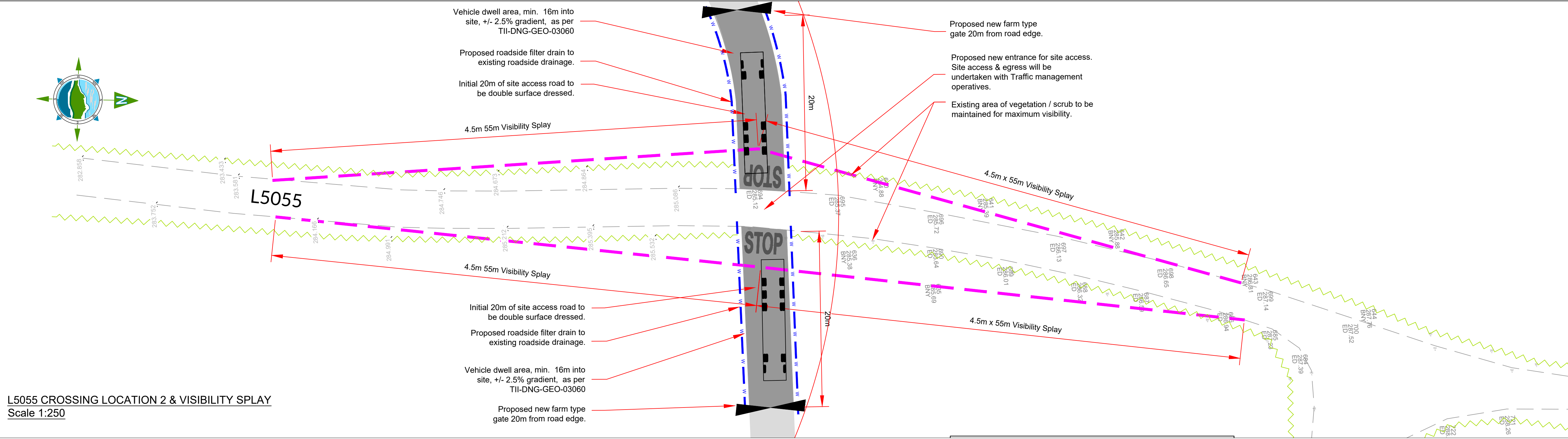


Client: **FuturEnergy** Ireland



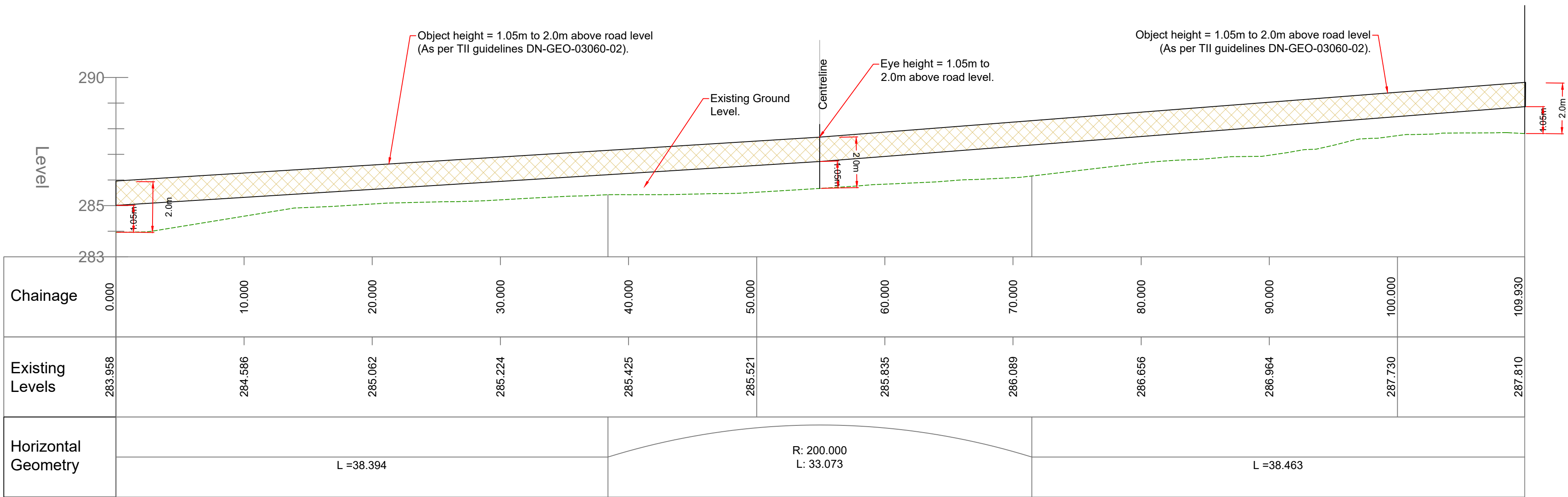
Title: L5054
ROAD CROSSING LOCATION 1
VISIBILITY SIGHTLINES &
DETAILS



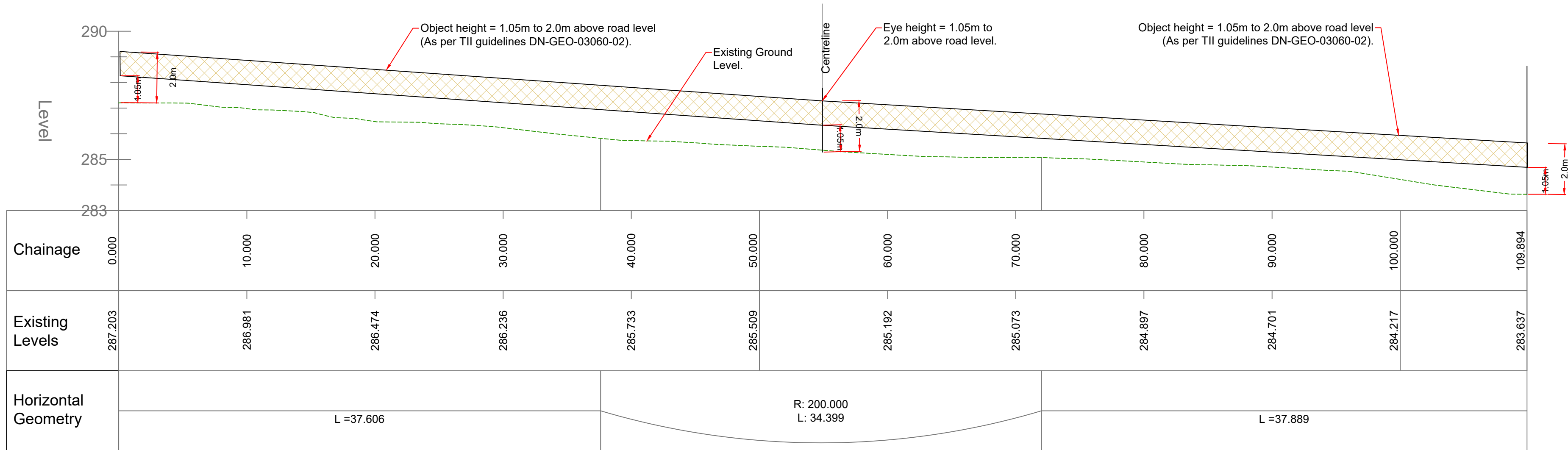


A	13.11.24	PLANNING ISSUE	MN	JS
Rev	Date	Description	By	Chkd.

L5055 CROSSING LOCATION 2
VERTICAL PROFILE ALONG VISIBILITY SPLAY - EASTERN ENTRANCE
Scale H: 1:250 / V:1:125



L5055 CROSSING LOCATION 2
VERTICAL PROFILE ALONG VISIBILITY SPLAY - WESTERN ENTRANCE
Scale H: 1:250 / V:1:125



Client:

FuturEnergy Ireland

Project:

SCART MOUNTAIN WIND FARM

Title:

L5055
ROAD CROSSING LOCATION 2
VISIBILITY SIGHTLINES &
DETAILS

Scale @ A1: As Shown

Prepared by: M. Nolan

Checked by: J. Staunton

Date: November '24

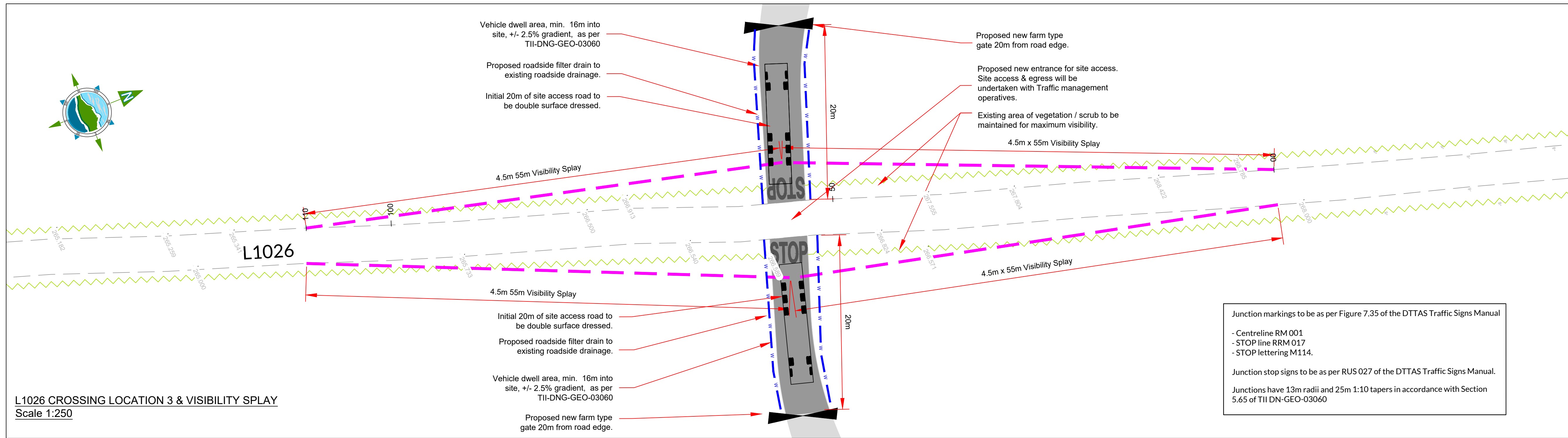
Drawing Status: Planning

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Drawing No.: 11303-2032

Revision: A



L1026 CROSSING LOCATION 3 & VISIBILITY SPLAY
Scale 1:250

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

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

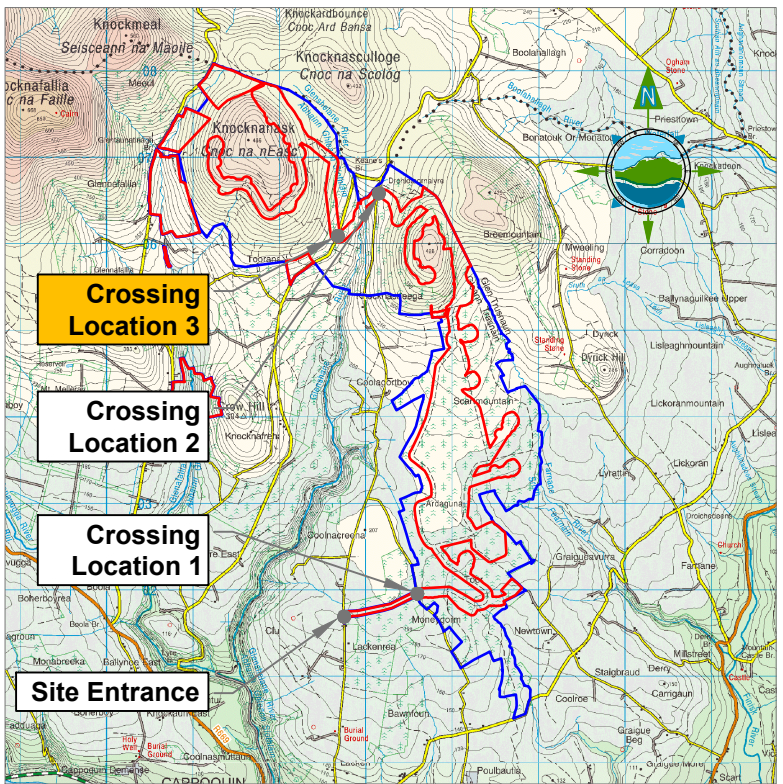
Junction stop signs to be as per RUS 027 of the DTTAS Traffic Signs Manual.

Signs have 13m radii and 25m 1:10 tapers in accordance with Section 5.65 of TII DN-GEO-03060

GENERAL LEGEND

VISIBILITY SIGHTLINES (4.5m Setback from Road)	ROAD EDGE
	
PROPOSED ROAD SIDE DRAINAGE CHANNEL	EXISTING HEDGEROW
	
PROPOSED 450mmØ DRAINAGE CULVERT	
	

KEY PLAN



A	13.11.24	PLANNING ISSUE	MN	JS
Rev	Date	Description	By	Chkd.

Client: **FuturEnergy** Ireland

Project:

SCART MOUNTAIN WIND FARM

Title: L1026
ROAD CROSSING LOCATION 3
VISIBILITY SIGHTLINES &
DETAILS

Scale @ A1: As Shown

Prepared by: M. Nolan Checked by: J. Staunton Date: November '11

Drawing Status: Planning

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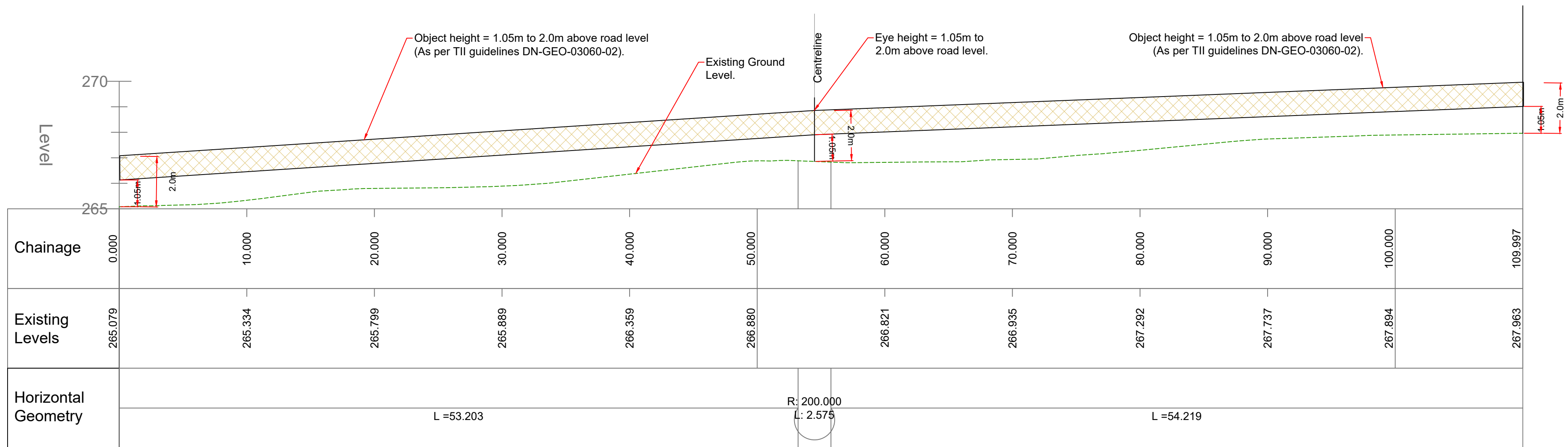
Drawing No.:	Revision:
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11303-2033	A
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Revisio

A

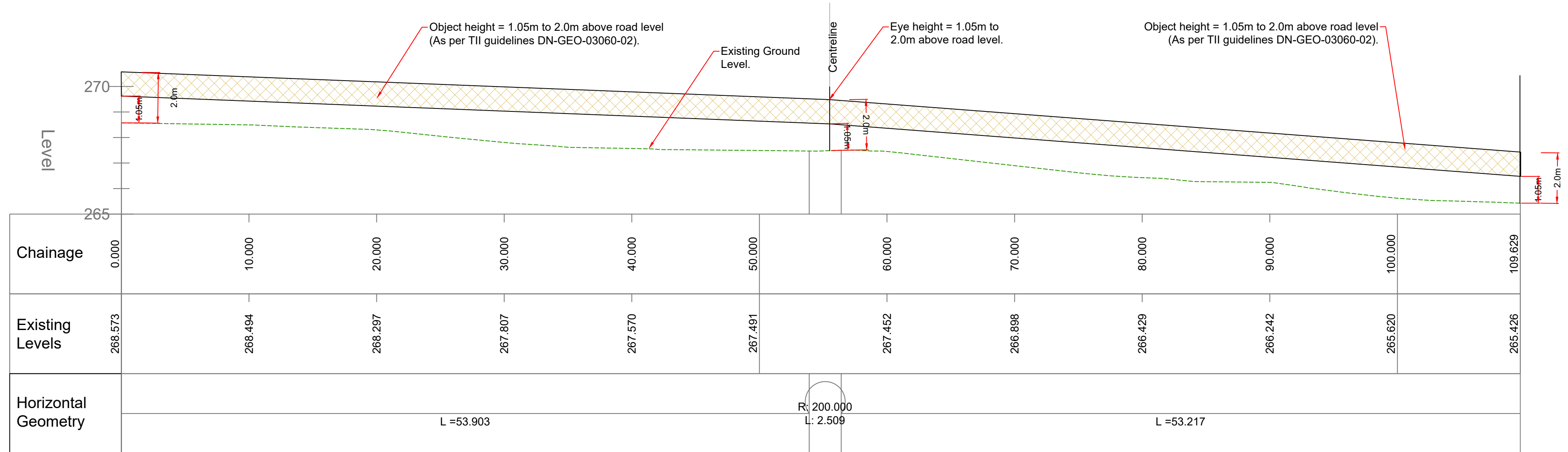
L1026 CROSSING LOCATION 3
VERTICAL PROFILE ALONG VISIBILITY SPLAY - EASTERN ENTRANCE
Scale H: 1:250 / V:1:125



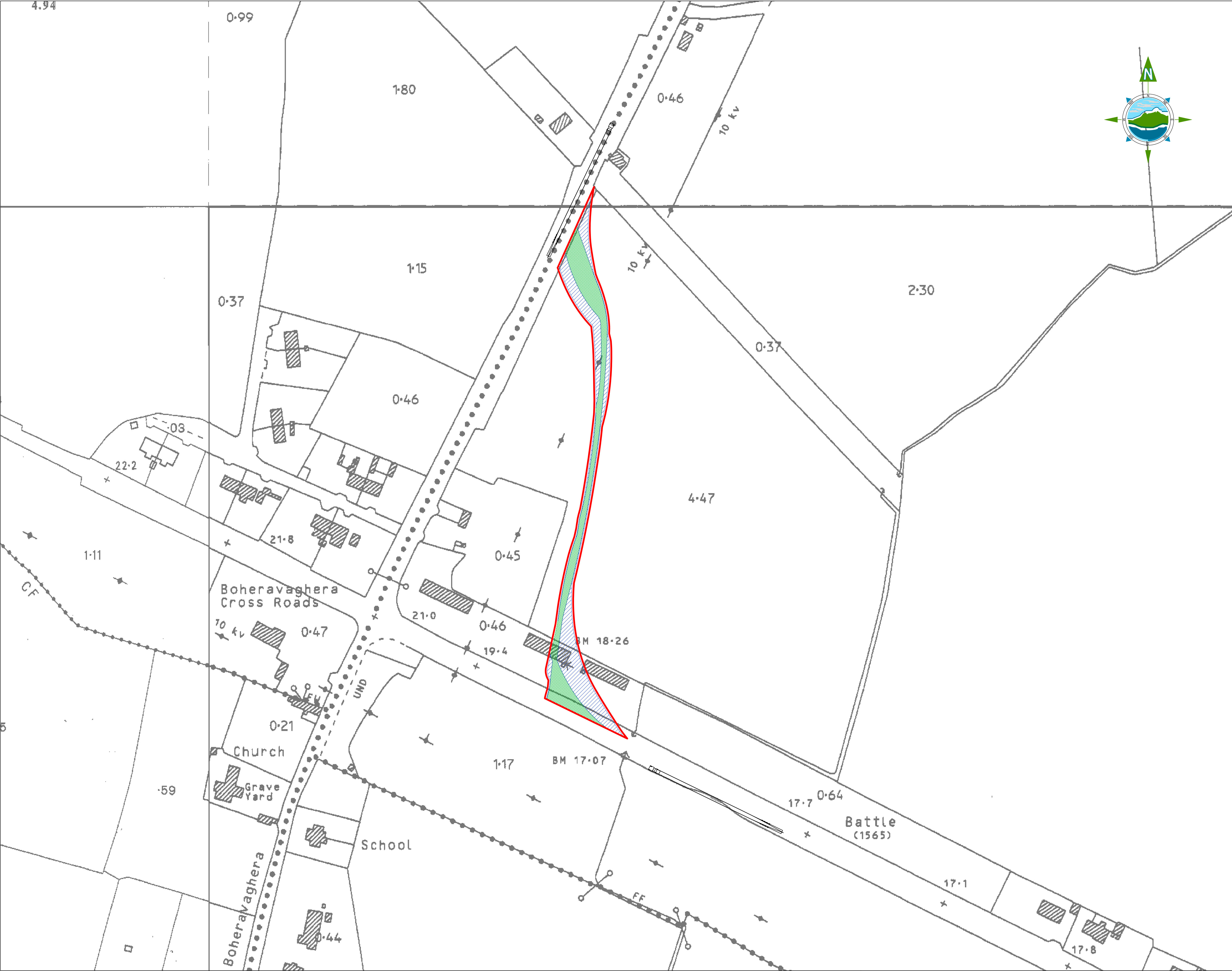
Legend:

Visibility Envelope 

Existing Ground Level 



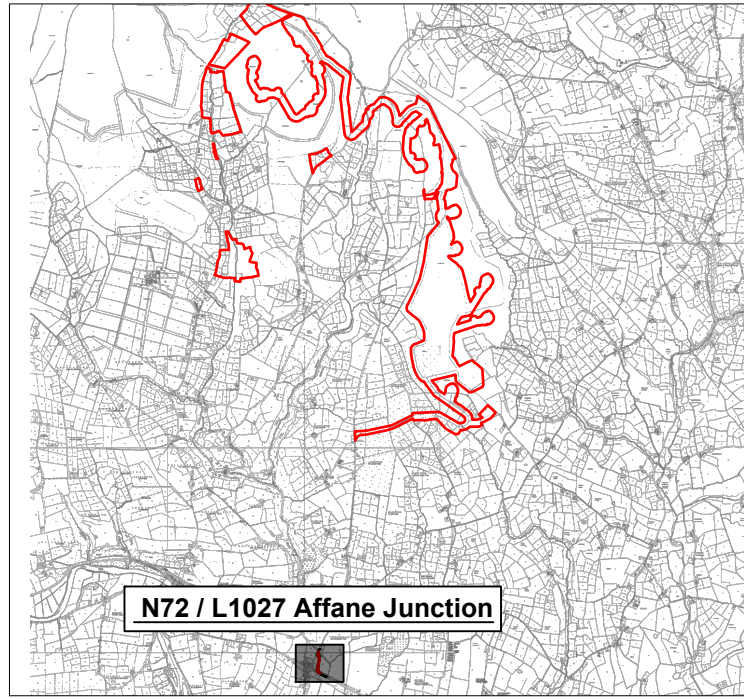
L1026 CROSSING LOCATION 3
VERTICAL PROFILE ALONG VISIBILITY SPLAY - WESTERN ENTRANCE
Scale H: 1:250 / V:1:125



GENERAL LEGEND

PLANNING APPLICATION BOUNDARY	LAND WHERE APPLICANT HAS OWNERSHIP OR BENEFICIAL INTEREST
VEHICLE OVERRUN AREA	LOAD OVERSAIL AREA

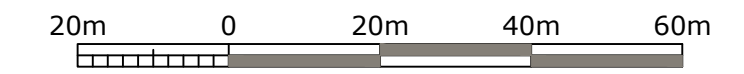
KEY PLAN



NOTES:

1. FIGURED DIMENSIONS ONLY TO BE TAKEN FROM THIS DRAWING.
2. ALL DRAWINGS TO BE CHECKED BY THE CONTRACTOR ON SITE.
3. ENGINEER/EMPLOYERS REPRESENTATIVE, AS APPROPRIATE, TO BE INFORMED BY THE CONTRACTOR OF ANY DISCREPANCIES BEFORE ANY WORK COMMENCES.
4. THE CONTRACTOR SHALL UNDERTAKE A THOROUGH CHECK FOR THE ACTUAL LOCATION OF ALL SERVICES/UTILITIES, ABOVE AND BELOW GROUND, BEFORE ANY WORK COMMENCES.
5. ALL LEVELS SHOWN RELATE TO ORDINANCE SURVEY DATUM AT MALIN HEAD.

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A	13.11.24	PLANNING ISSUE	MN	JS
Rev	Date	Description	By	Chkd.

Client:
FuturEnergy Ireland

Project:
SCART MOUNTAIN WIND FARM

Title:
N72 / L1027 Affane Junction
Swept Path Analysis

Scale @ A1: 1:1,000 Scales as agreed with ABP 20.11.24
Prepared by: M. Nolan Checked by: J. Staunton Date: November '24

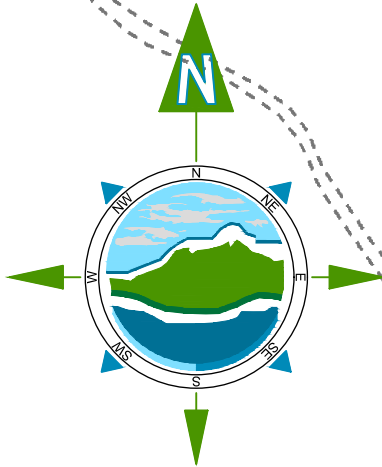
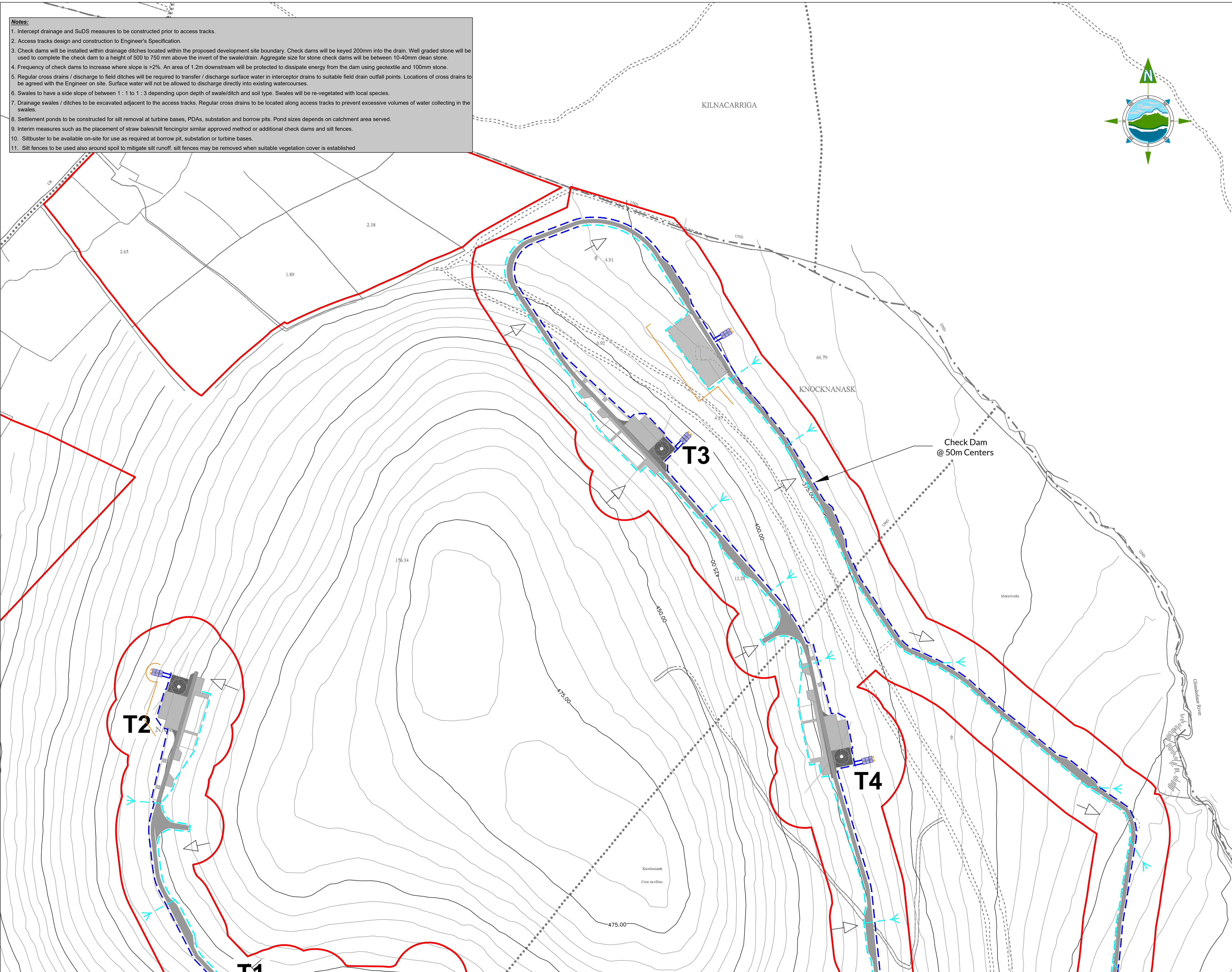
Drawing Status: Planning

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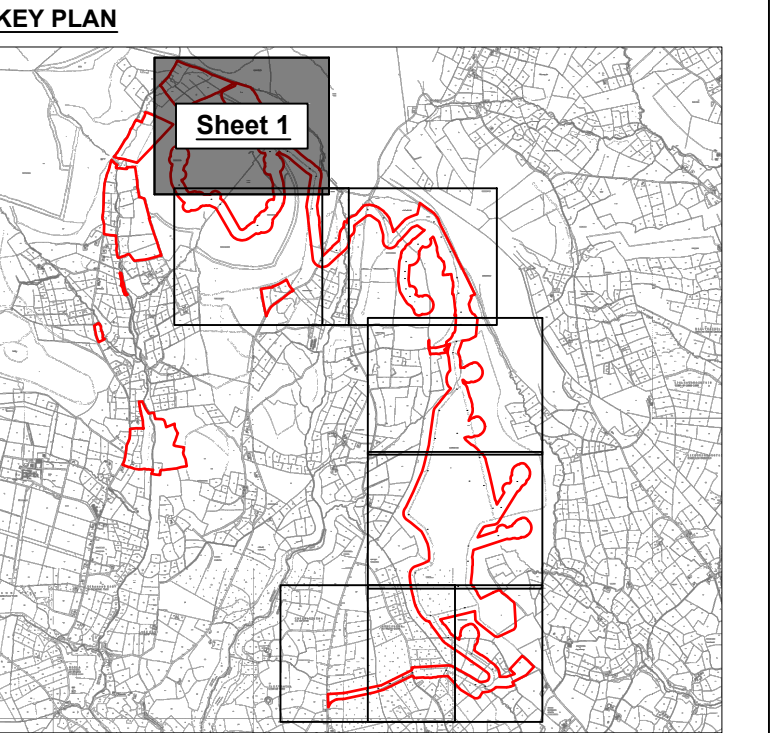
Drawing No.: 11303-2034 Revision: A

- Notes:**
1. Intercept drainage and SuDS measures to be constructed prior to access tracks.
 2. Access tracks design and construction to Engineer's Specification.
 3. Check dams will be installed within drainage ditches located within the proposed development site boundary. Check dams will be keyed 200mm into the drain. Well graded stone will be used to complete the check dam to a height of 500 to 750 mm above the invert of the swale/drain. Aggregate size for stone check dams will be between 10-40mm clean stone.
 4. Frequency of check dams to increase where slope is >2%. An area of 1.2m downstream will be protected to dissipate energy from the dam using geotextile and 100mm stone.
 5. Regular cross drains / discharge to field ditches will be required to transfer / discharge surface water in interceptor drains to suitable field drain outfall points. Locations of cross drains to be agreed with the Engineer on site. Surface water will not be allowed to discharge directly into existing watercourses.
 6. Swales to have a side slope of between 1 : 1 to 1 : 3 depending upon depth of swale/ditch and soil type. Swales will be re-vegetated with local species.
 7. Drainage swales / ditches to be excavated adjacent to the access tracks. Regular cross drains to be located along access tracks to prevent excessive volumes of water collecting in the swales.
 8. Settlement ponds to be constructed for silt removal at turbine bases, PDAs, substation and borrow pits. Pond sizes depends on catchment area served.
 9. Interim measures such as the placement of straw bales/silt fencing/or similar approved method or additional check dams and silt fences.
 10. Siltbuster to be available on-site for use as required at borrow pit, substation or turbine bases.
 11. Silt fences to be used also around spoil to mitigate silt runoff. silt fences may be removed when suitable vegetation cover is established



GENERAL LEGEND

APPLICATION BOUNDARY	EXISTING CONTOURS
PROPOSED TURBINE HARDSTAND	PROPOSED TURBINE LOCATION
ROADSIDE FILTER DRAIN	INTERCEPTOR DRAIN
PROPOSED SILT FENCING	SURFACE WATER SETTLEMENT POND
RIVER LOCATION	SILT TRAP & LEVEL SPREADER
OVERLAND FLOW DIRECTION	



- NOTES:**
1. FIGURED DIMENSIONS ONLY TO BE TAKEN FROM THIS DRAWING.
 2. ALL DRAWINGS TO BE CHECKED BY THE CONTRACTOR ON SITE.
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 4. THE CONTRACTOR SHALL UNDERTAKE A THOROUGH CHECK FOR THE ACTUAL LOCATION OF ALL SERVICES/UTILITIES, ABOVE AND BELOW GROUND, BEFORE ANY WORK COMMENCES.
 5. ALL LEVELS SHOWN RELATE TO ORDNANCE SURVEY DATUM AT MALIN HEAD.

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50m	0	50m	100m	150m
A	13.11.24	PLANNING ISSUE	MN	JD
Rev	Date	Description	By	Chkd.

Client: **FuturEnergy Ireland**

Project: **SCART MOUNTAIN WIND FARM**

Title: **DRAINAGE LAYOUT PLAN
- Sheet 1 of 7 -**

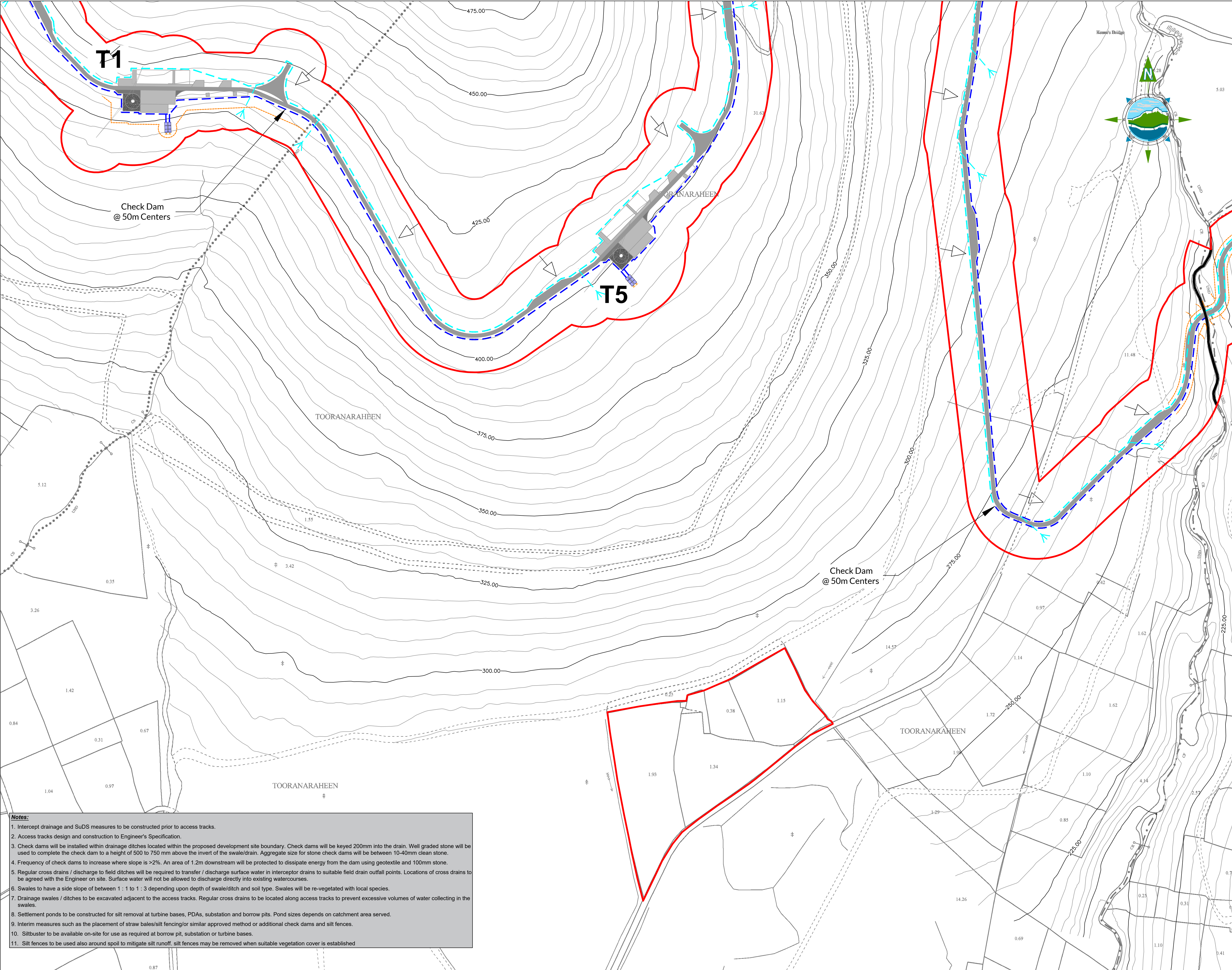
Scale @ A1: **1:2,500** Scales as agreed with ABP 20.11.24
Prepared by: M. Nolan Checked by: J. Dillon Date: November '24

Drawing Status: **Planning**

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Drawing No.: **11303-2040** Revision: **A**



GENERAL LEGEND

APPLICATION BOUNDARY	EXISTING CONTOURS
PROPOSED TURBINE HARDSTAND	PROPOSED TURBINE LOCATION
ROADSIDE FILTER DRAIN	INTERCEPTOR DRAIN
PROPOSED SILT FENCING	SURFACE WATER SETTLEMENT POND
RIVER LOCATION	SILT TRAP & LEVEL SPREADER
OVERLAND FLOW DIRECTION	

KEY PLAN

NOTES:

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5. ALL LEVELS SHOWN RELATE TO ORDNANCE SURVEY DATUM AT MALIN HEAD.

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50m 0 50m 100m 150m				
A	13.11.24	PLANNING ISSUE	MN	JD
Rev	Date	Description	By	Chkd.

Client: **FuturEnergy Ireland**

Project: **SCART MOUNTAIN WIND FARM**

Title: **DRAINAGE LAYOUT PLAN
- Sheet 2 of 7 -**

Scale @ A1: **1:2,500** Scales as agreed with ABP 20.11.24

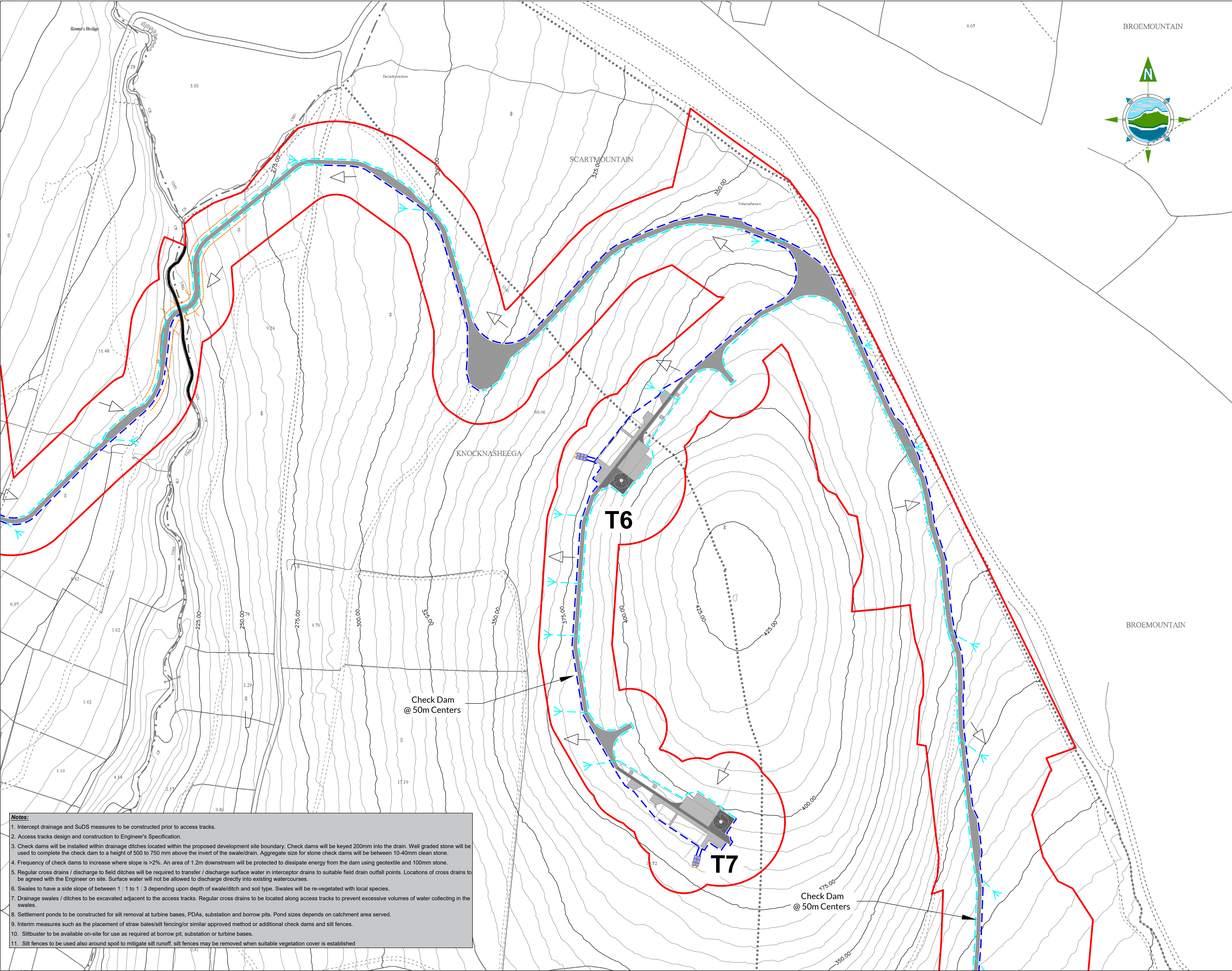
Prepared by: **M. Nolan** Checked by: **J. Dillon** Date: **November '24**

Drawing Status: **Planning**

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Drawing No.: **11303-2041** Revision: **A**



GENERAL LEGEND

APPLICATION BOUNDARY

PROPOSED TURBINE HARDSTAND

ROADSIDE FILTER DRAIN

PROPOSED SILT FENCING

RIVER LOCATION

OVERLAND FLOW DIRECTION

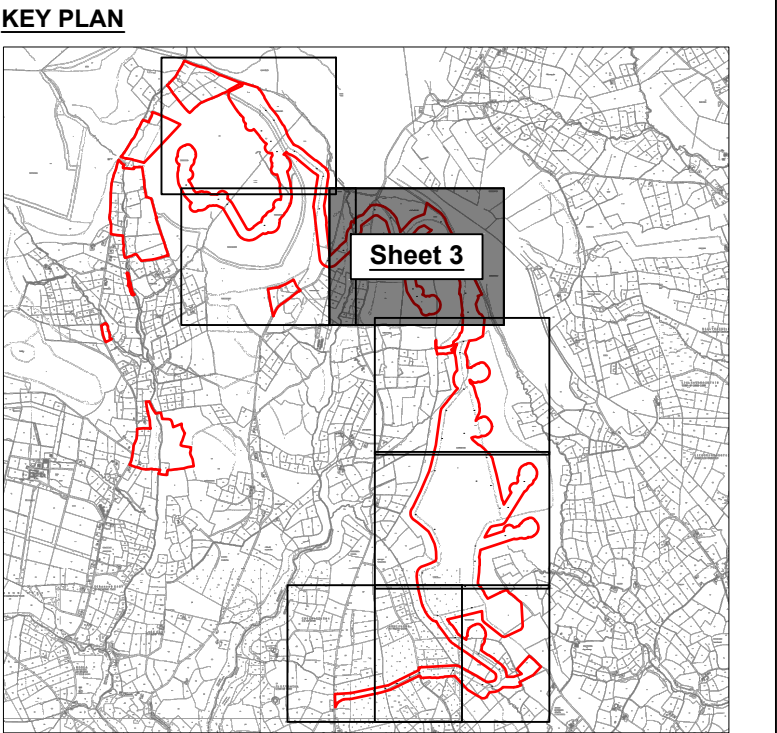
EXISTING CONTOURS

PROPOSED TURBINE LOCATION

INTERCEPTOR DRAIN

SURFACE WATER SETTLEMENT POND

SILT TRAP & LEVEL SPREADER



NOTES:

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50m 0 50m 100m 150m

A	13.11.24	PLANNING ISSUE	MN	JD
Rev	Date	Description	By	Chkd.

Client:

FuturEnergy Ireland

Project:

SCART MOUNTAIN WIND FARM

Title:

DRAINAGE LAYOUT PLAN
- Sheet 3 of 7 -

Scale @ A1:

1:2,500

Scales as agreed with
ABP 20.11.24

Prepared by:

M. Nolan

Checked by:

J. Dillon

Date:

November '24

Drawing Status:

Planning

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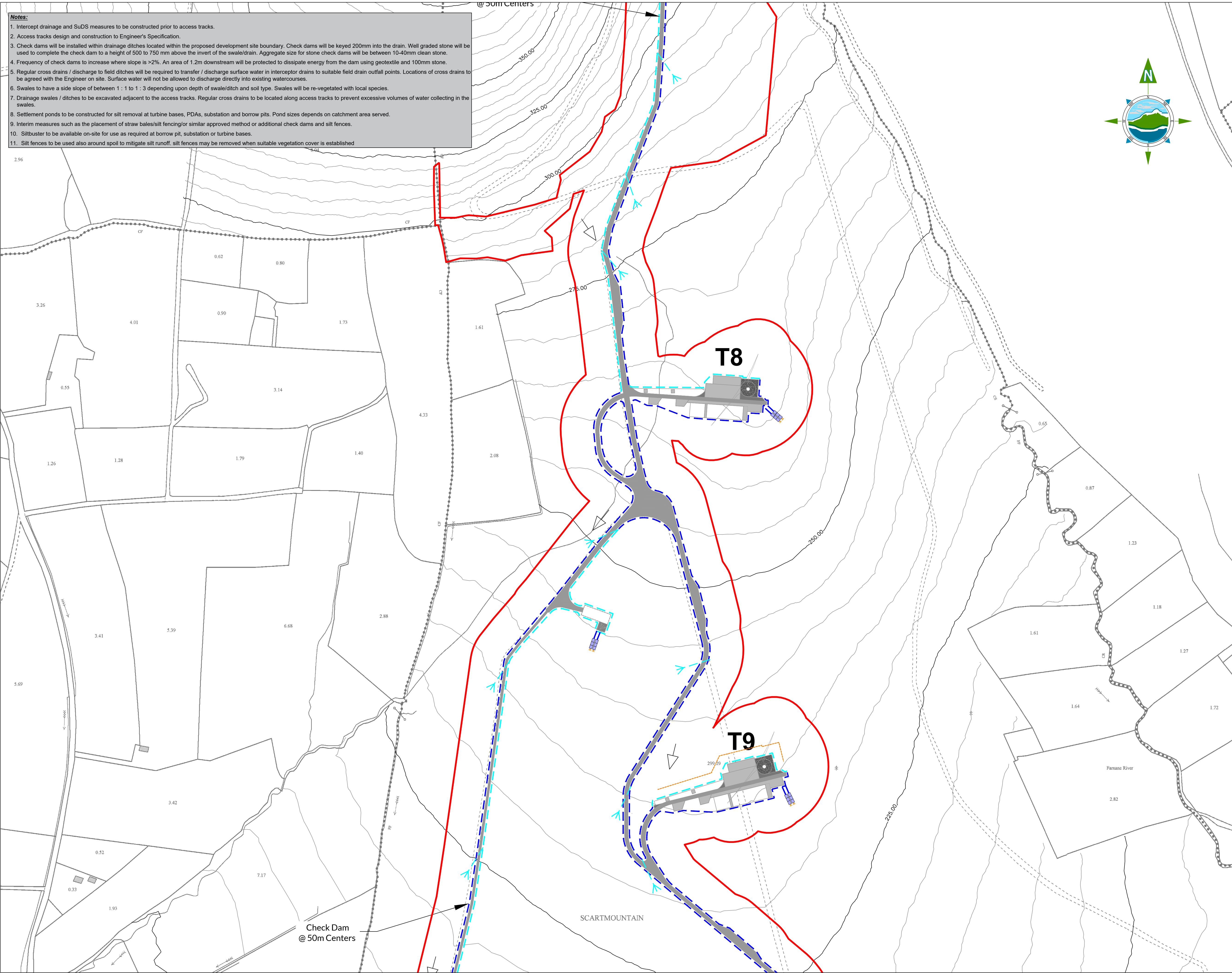
Drawing No.:

11303-2042

Revision:

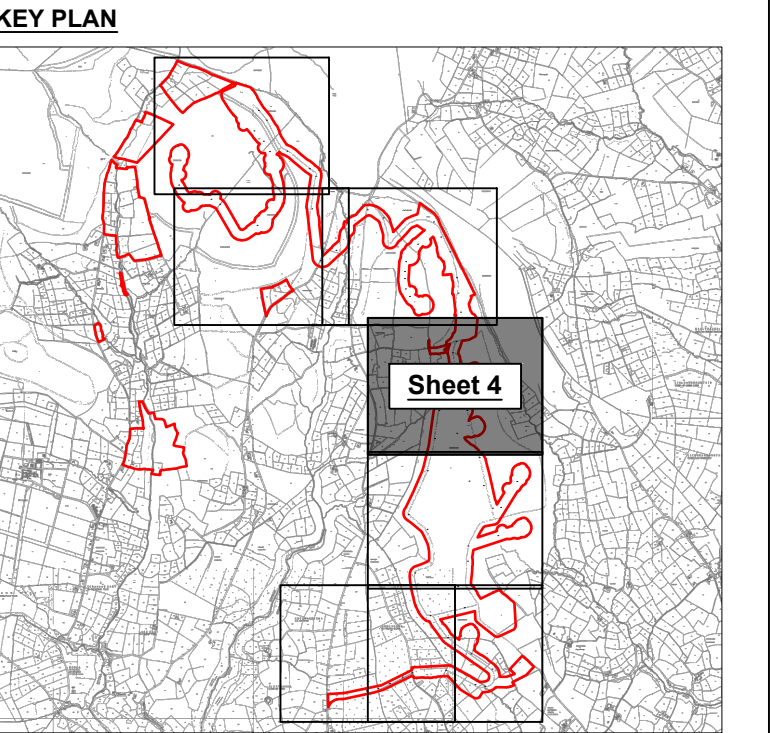
A

- Notes:**
1. Intercept drainage and SuDS measures to be constructed prior to access tracks.
 2. Access tracks design and construction to Engineer's Specification.
 3. Check dams will be installed within drainage ditches located within the proposed development site boundary. Check dams will be keyed 200mm into the drain. Well graded stone will be used to complete the check dam to a height of 500 to 750 mm above the invert of the swale/drain. Aggregate size for stone check dams will be between 10-40mm clean stone.
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 9. Interim measures such as the placement of straw bales/silt fencing/or similar approved method or additional check dams and silt fences.
 10. Siltbuster to be available on-site for use as required at borrow pit, substation or turbine bases.
 11. Silt fences to be used also around spoil to mitigate silt runoff. silt fences may be removed when suitable vegetation cover is established



GENERAL LEGEND

APPLICATION BOUNDARY	EXISTING CONTOURS
PROPOSED TURBINE HARDSTAND	PROPOSED TURBINE LOCATION
ROADSIDE FILTER DRAIN	INTERCEPTOR DRAIN
PROPOSED SILT FENCING	SURFACE WATER SETTLEMENT POND
RIVER LOCATION	SILT TRAP & LEVEL SPREADER
OVERLAND FLOW DIRECTION	



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50m	0	50m	100m	150m
A	13.11.24	PLANNING ISSUE	MN	JD
Rev	Date	Description	By	Chkd.

Client: **FuturEnergy Ireland**

Project: **SCART MOUNTAIN WIND FARM**

Title: **DRAINAGE LAYOUT PLAN - Sheet 4 of 7 -**

Scale @ A1: **1:2,500** Scales as agreed with ABP 20.11.24

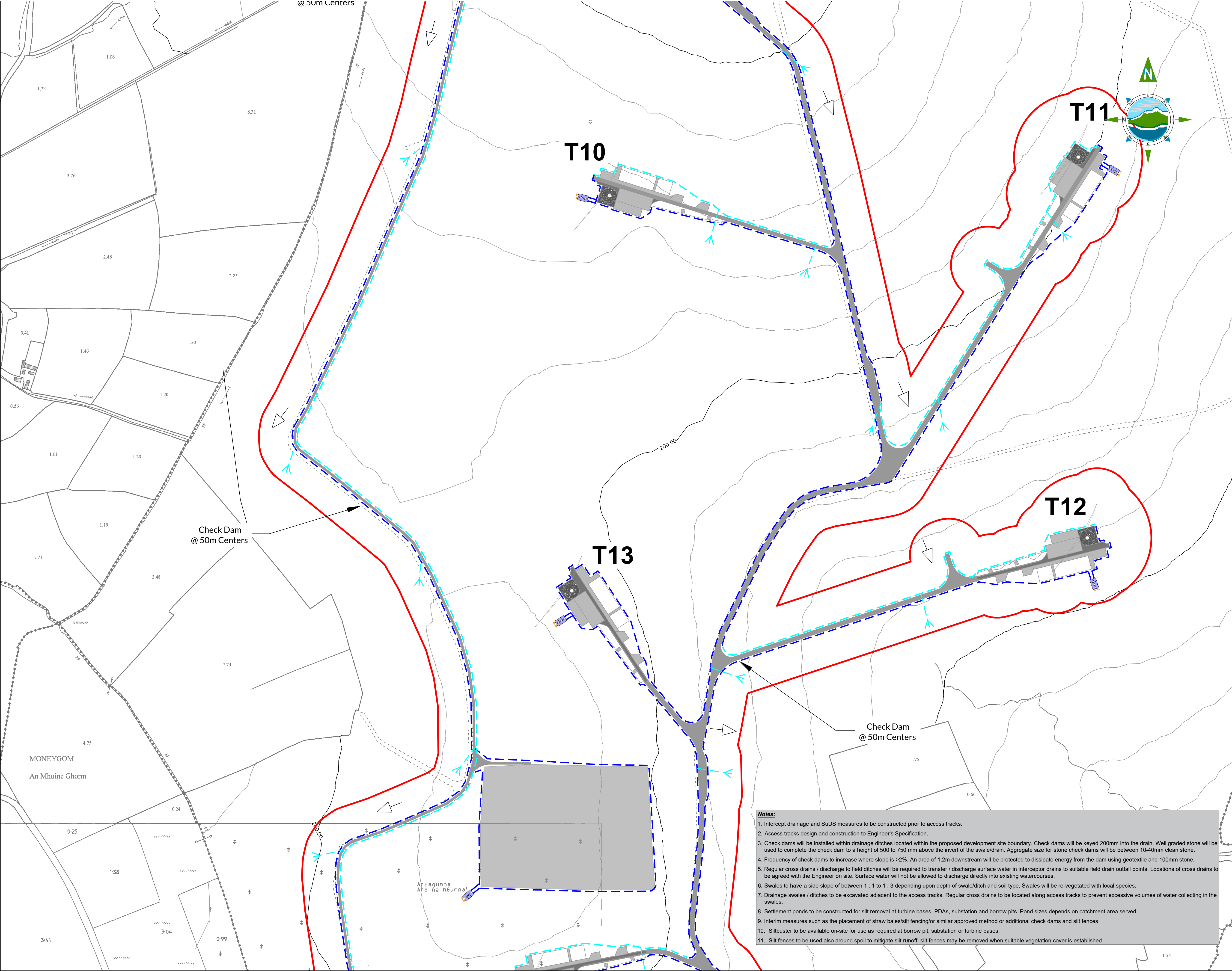
Prepared by: **M. Nolan** Checked by: **J. Dillon** Date: **November '24**

Drawing Status: **Planning**

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Drawing No.: **11303-2043** Revision: **A**



GENERAL LEGEND

APPLICATION BOUNDARY	EXISTING CONTOURS
PROPOSED TURBINE HARDSTAND	PROPOSED TURBINE LOCATION
ROADSIDE FILTER DRAIN	INTERCEPTOR DRAIN
PROPOSED SILT FENCING	SURFACE WATER SETTLEMENT POND
RIVER LOCATION	SILT TRAP & LEVEL SPREADER
OVERLAND FLOW DIRECTION	

KEY PLAN

NOTES:

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3. ENGINEER/EMPLOYERS REPRESENTATIVE, AS APPROPRIATE, TO BE INFORMED BY THE CONTRACTOR OF ANY DISCREPANCIES BEFORE ANY WORK COMMENCES.
4. THE CONTRACTOR SHALL UNDERTAKE A THOROUGH CHECK FOR THE ACTUAL LOCATION OF ALL SERVICES/UTILITIES, ABOVE AND BELOW GROUND, BEFORE ANY WORK COMMENCES.
5. ALL LEVELS SHOWN RELATE TO ORDNANCE SURVEY DATUM AT MALIN HEAD.

Co. Waterford

OSI 1:5,000 Sheet No's: 5760, 5761, 5762, 5763, 5832, 5833, 5834, 5903, 5904 & 5905.

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50m 0 50m 100m 150m

A	13.11.24	PLANNING ISSUE	MN	JD	
Rev	Date	Description	By	Chkd.	

Client: **FuturEnergy Ireland**

Project: **SCART MOUNTAIN WIND FARM**

Title: **DRAINAGE LAYOUT PLAN - Sheet 5 of 7 -**

Scale @ A1: **1:2,500** Scales as agreed with ABP 20.11.24

Prepared by: M. Nolan Checked by: J. Dillon Date: November '24

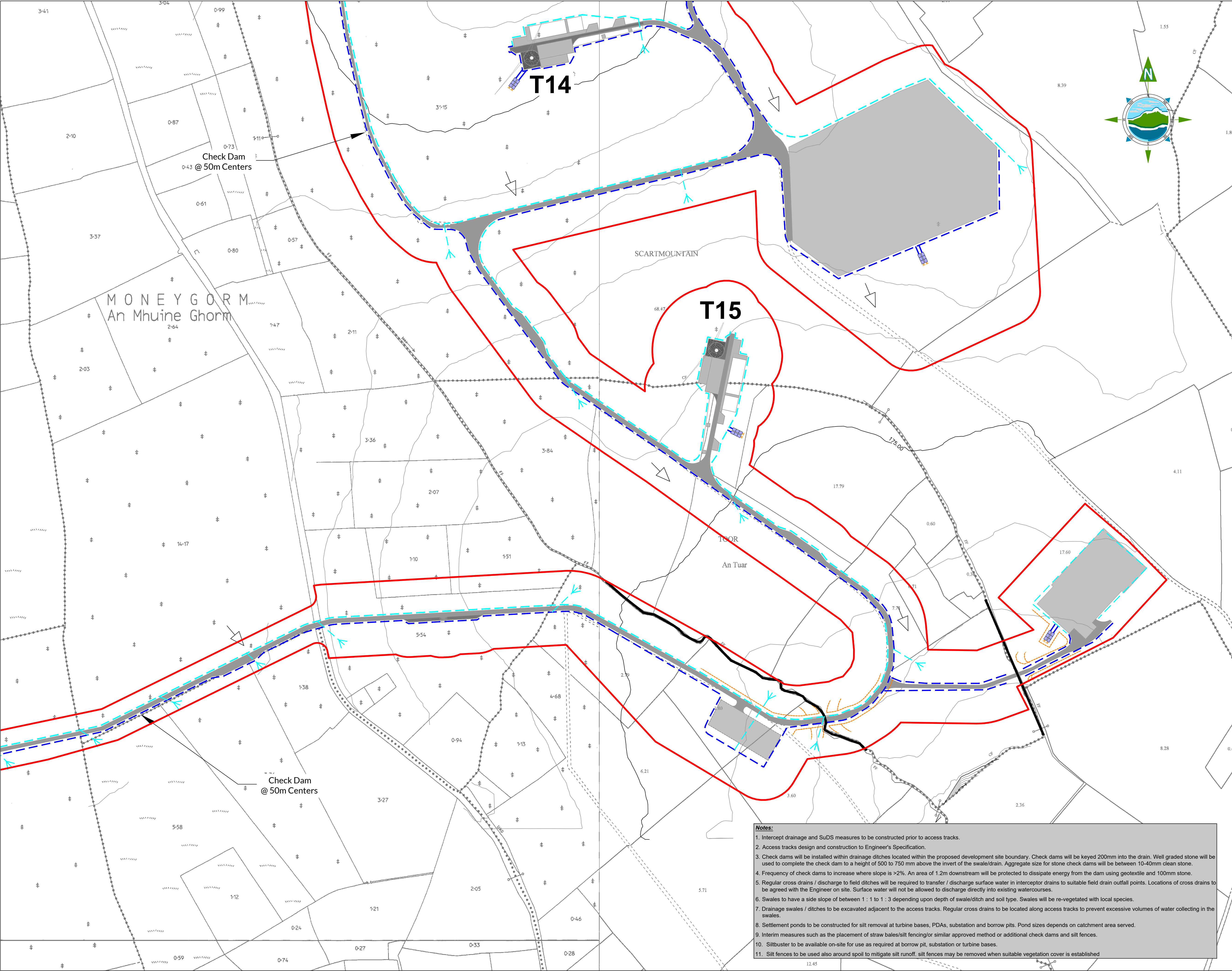
Drawing Status: **Planning**

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Drawing No.: **11303-2044** Revision: **A**

- Notes:**
- Intercept drainage and SuDS measures to be constructed prior to access tracks.
 - Access tracks design and construction to Engineer's Specification.
 - Check dams will be installed within drainage ditches located within the proposed development site boundary. Check dams will be keyed 200mm into the drain. Well graded stone will be used to complete the check dam to a height of 500 to 750 mm above the invert of the swale/drain. Aggregate size for stone check dams will be between 10-40mm clean stone.
 - Frequency of check dams to increase where slope is >2%. An area of 1.2m downstream will be protected to dissipate energy from the dam using geotextile and 100mm stone.
 - Regular cross drains / discharge to field ditches will be required to transfer / discharge surface water in interceptor drains to suitable field drain outfall points. Locations of cross drains to be agreed with the Engineer on site. Surface water will not be allowed to discharge directly into existing watercourses.
 - Swales to have a side slope of between 1 : 1 to 1 : 3 depending upon depth of swale/ditch and soil type. Swales will be re-vegetated with local species.
 - Swales / ditches to be excavated adjacent to the access tracks. Regular cross drains to be located along access tracks to prevent excessive volumes of water collecting in the swales.
 - Settlement ponds to be constructed for silt removal at turbine bases, PDAs, substation and borrow pits. Pond sizes depends on catchment area served.
 - Interim measures such as the placement of straw bales/silt fencing/or similar approved method or additional check dams and silt fences.
 - Siltbuster to be available on-site for use as required at borrow pit, substation or turbine bases.
 - Silt fences to be used also around spoil to mitigate silt runoff. silt fences may be removed when suitable vegetation cover is established



Client:

FuturEnergy Ireland

Project:

SCART MOUNTAIN WIND FARM

Title:

DRAINAGE LAYOUT PLAN
- Sheet 6 of 7 -

Scale @ A1: 1:2,500 Scales as agreed with ABP 20.11.24

Prepared by: M. Nolan **Checked by:** J. Dillon **Date:** November '24

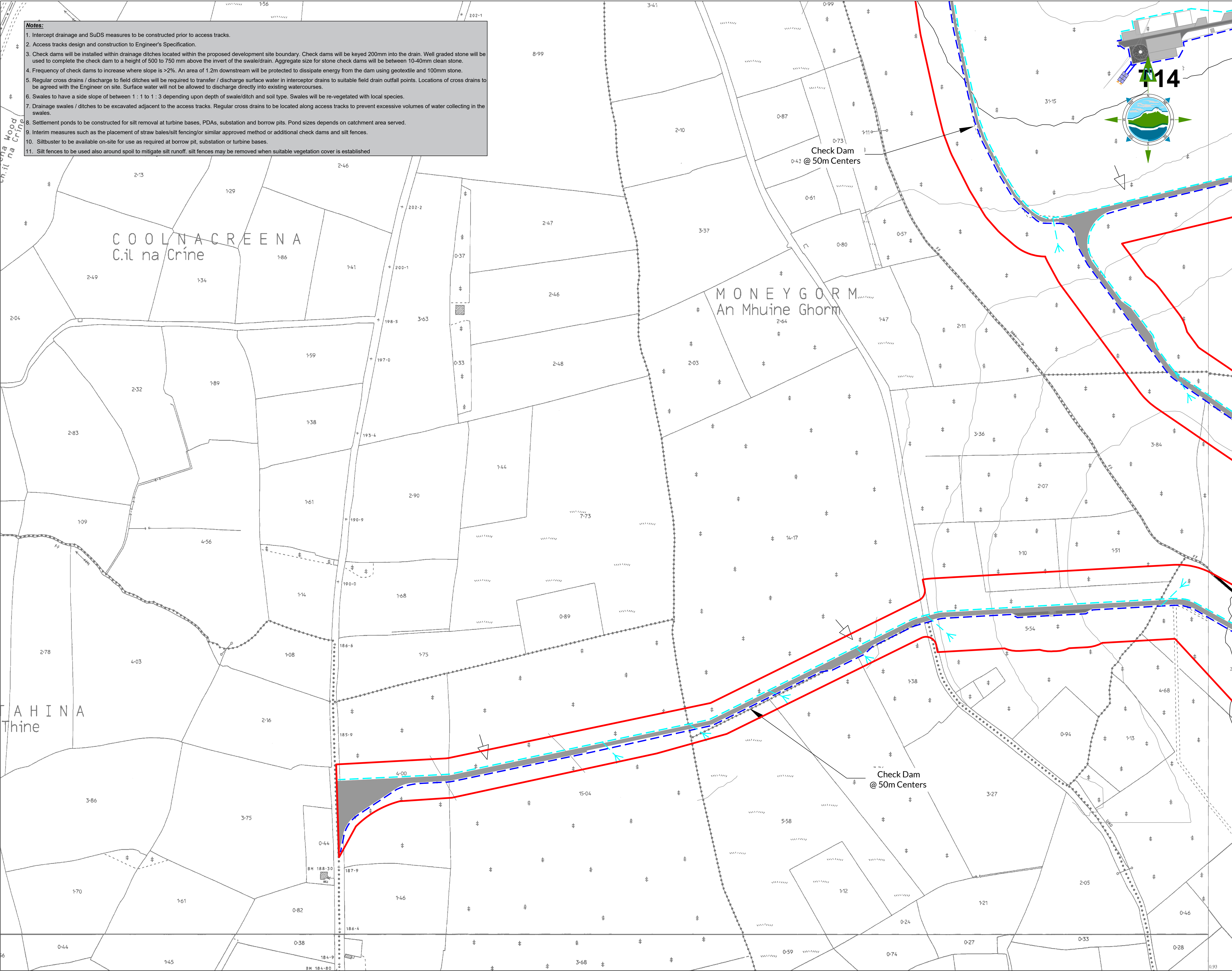
Drawing Status: Planning

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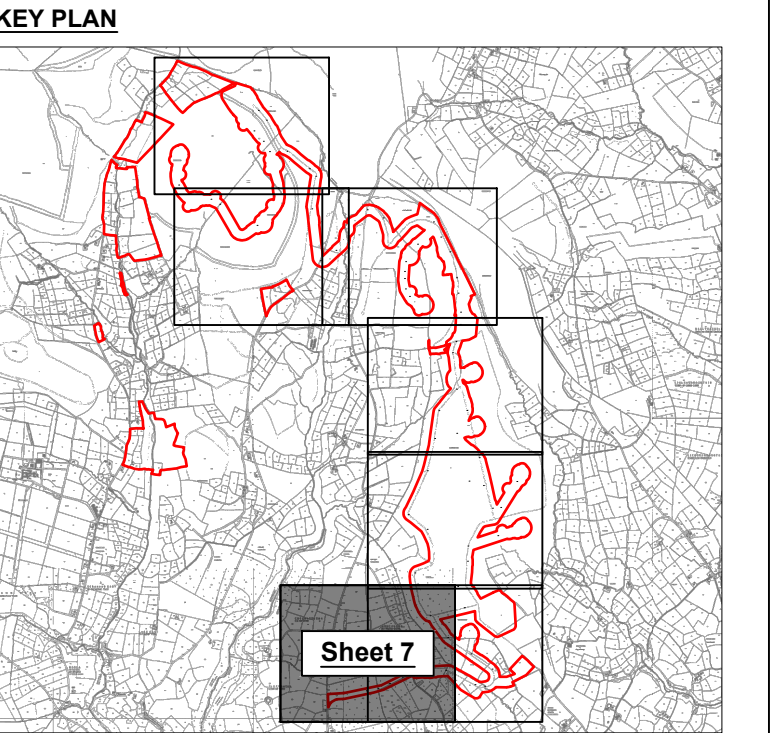
Drawing No.: 11303-2045 **Revision:** A



- Notes:**
1. Intercept drainage and SuDS measures to be constructed prior to access tracks.
 2. Access tracks design and construction to Engineer's Specification.
 3. Check dams will be installed within drainage ditches located within the proposed development site boundary. Check dams will be keyed 200mm into the drain. Well graded stone will be used to complete the check dam to a height of 500 to 750 mm above the invert of the swale/drain. Aggregate size for stone check dams will be between 10-40mm clean stone.
 4. Frequency of check dams to increase where slope is >2%. An area of 1.2m downstream will be protected to dissipate energy from the dam using geotextile and 100mm stone.
 5. Regular cross drains / discharge to field ditches will be required to transfer / discharge surface water in interceptor drains to suitable field drain outfall points. Locations of cross drains to be agreed with the Engineer on site. Surface water will not be allowed to discharge directly into existing watercourses.
 6. Swales to have a side slope of between 1 : 1 to 1 : 3 depending upon depth of swale/ditch and soil type. Swales will be re-vegetated with local species.
 7. Drainage swales / ditches to be excavated adjacent to the access tracks. Regular cross drains to be located along access tracks to prevent excessive volumes of water collecting in the swales.
 8. Settlement ponds to be constructed for silt removal at turbine bases, PDAs, substation and borrow pits. Pond sizes depends on catchment area served.
 9. Interim measures such as the placement of straw bales/silt fencing/or similar approved method or additional check dams and silt fences.
 10. Siltbuster to be available on-site for use as required at borrow pit, substation or turbine bases.
 11. Silt fences to be used also around spoil to mitigate silt runoff. silt fences may be removed when suitable vegetation cover is established

GENERAL LEGEND

APPLICATION BOUNDARY	EXISTING CONTOURS
PROPOSED TURBINE HARDSTAND	PROPOSED TURBINE LOCATION
ROADSIDE FILTER DRAIN	INTERCEPTOR DRAIN
PROPOSED SILT FENCING	SURFACE WATER SETTLEMENT POND
RIVER LOCATION	SILT TRAP & LEVEL SPREADER
OVERLAND FLOW DIRECTION	



- NOTES:**
1. FIGURED DIMENSIONS ONLY TO BE TAKEN FROM THIS DRAWING.
 2. ALL DRAWINGS TO BE CHECKED BY THE CONTRACTOR ON SITE.
 3. ENGINEER/EMPLOYERS REPRESENTATIVE, AS APPROPRIATE, TO BE INFORMED BY THE CONTRACTOR OF ANY DISCREPANCIES BEFORE ANY WORK COMMENCES.
 4. THE CONTRACTOR SHALL UNDERTAKE A THOROUGH CHECK FOR THE ACTUAL LOCATION OF ALL SERVICES/UTILITIES, ABOVE AND BELOW GROUND, BEFORE ANY WORK COMMENCES.
 5. ALL LEVELS SHOWN RELATE TO ORDNANCE SURVEY DATUM AT MALIN HEAD.

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5832, 5833, 5834, 5903, 5904 & 5905.

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50m	0	50m	100m	150m
A	13.11.24	PLANNING ISSUE	MN	JD
Rev	Date	Description	By	Chkd.

Client: **FuturEnergy Ireland**

Project: **SCART MOUNTAIN WIND FARM**

Title: **DRAINAGE LAYOUT PLAN - Sheet 7 of 7 -**

Scale @ A1: **1:2,500** Scales as agreed with ABP 20.11.24

Prepared by: **M. Nolan** Checked by: **J. Dillon** Date: **November '24**

Drawing Status: **Planning**

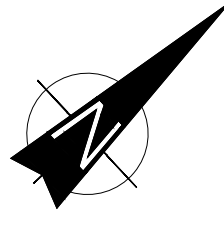
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Drawing No.: **11303-2046** Revision: **A**

ISO A1 594mm x 841mm

Project Management Initials: Designer: LP Checked: ST Approved: GH



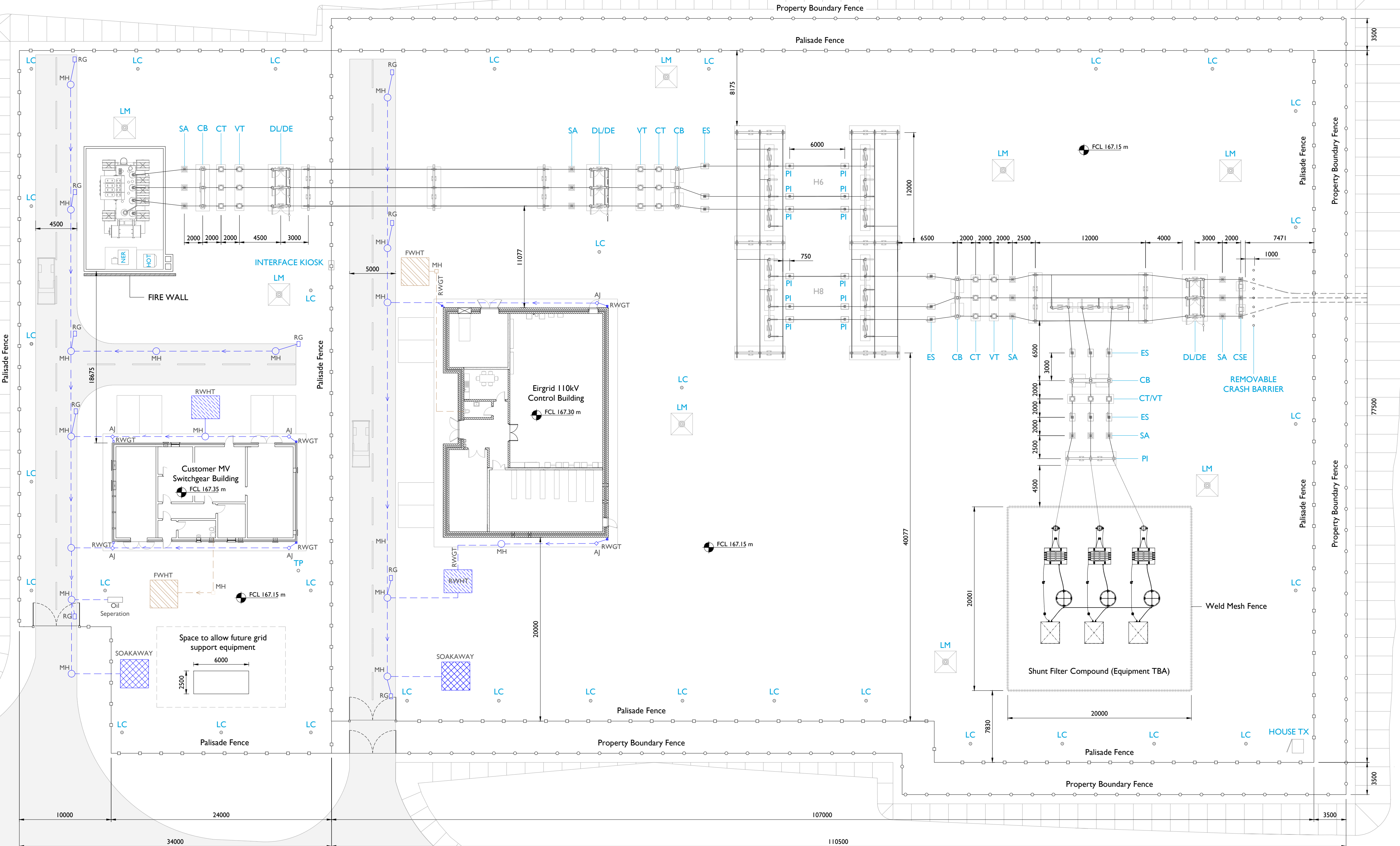
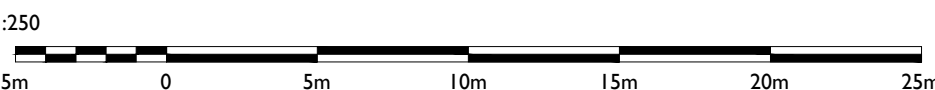
B

A

D

SUBSTATION LAYOUT PLAN

Scale : 1:250



- Note 1:**
This is a conceptual design for guidance only. All dimensions and references given are indicative only.
Layout to be further optimized during detailed design pending specific equipment supplier and site details.
- Note 2:**
Relocation or additional post insulators may be required, subject to detail design. Not shown for clarity.
- Note 3:**
Vehicular access to all HV plant shall be permitted without the need for unnecessary proximity outages. Consideration of LV cable trench layouts and traffic-bearing trench covers shall be considered during detailed design.
- Note 4:**
Lightning mast, LV trench duct routes, marshalling/interface cabinets and lighting fixtures shall be considered during detailed design.
- Note 5:**
Refer to the auxiliary supply functional specification XDS-GFS-08-001 for LV power supply requirements. The secondary mains LV supply is to be provided from the local MV distribution network. This can be via a pole mounted transformer located outside the palisade fence or via a ground mounted transformer in a kiosk located inside the palisade fence. The precise location of the pole mounted transformer and the ground mounted transformer, as the case may be, are site specific and will be by agreement with EirGrid.
- Note 6:**
The current layout arrangement has been designed to enable this station to be extended in the future to a c-type or ring type busbar station while minimizing outage requirements.
- Note 7:**
Requirement & position of SA/CT/VT in the customer compound is to be determined by the customer. It is the responsibility of the customer to ensure that their transformer is suitably protected from over voltages.
- Note 8:**
Minimum electrical clearances shall comply as outlines in EirGrid general requirements specification XDS-GFS-00-001.
- Note 10:**
A detailed arrangement shall consider proximity of the property boundary fence to the palisade fence, ensuring that it cannot be used as a climbing aid to scale the palisade fence. Arrangement shall be site specific and shall be agreed with EirGrid during the detailed design phase.
- Note 12:**
The customer should allow space for a future transformer connection in the area adjacent to the customer compound and transmission station.
- Note 13:**
PI foundations positioned adjacent to the VTS should be designed such that, upon future development of the station, they may be utilised as foundations for CTS.



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PROJECT

Scart Mountain WF
110 kV Grid Connection

CLIENT



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NOTES: -

- See General Notes

LEGEND: -

- Planning Red Line Boundary shown thus
- Surface water drainage shown thus
- Foul water drainage shown thus
- Final Compound Level FCL 167.15m

	Description
CSE	Cable Sealing End
SA	Surge Arrester
DL/DE	Line / Earth Disconnect
VT	Voltage Transformer
CT	Current Transformer
CB	Circuit Breaker
LM	Lightning Mast
LC	Lighting Column
TC	Telecom Post
ES	Earth Switch

ISSUE/REVISION

P3	09.12.24	Issued for Planning
P2	25.11.24	Issued for Planning
P1	15.02.24	Issued for Planning
I/R	DATE	DESCRIPTION

PROJECT NUMBER

05-854

SHEET TITLE

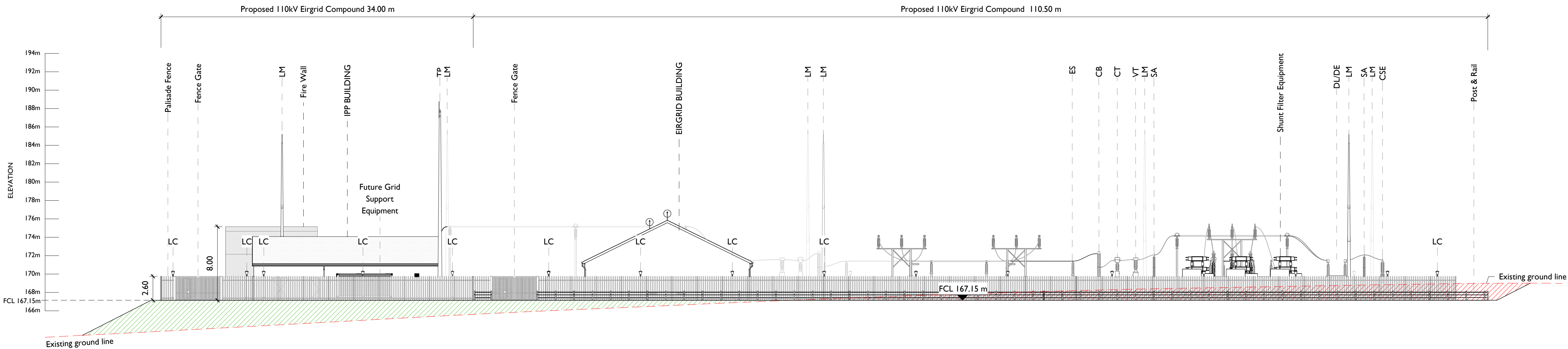
Substation Layout Plan

SHEET NUMBER

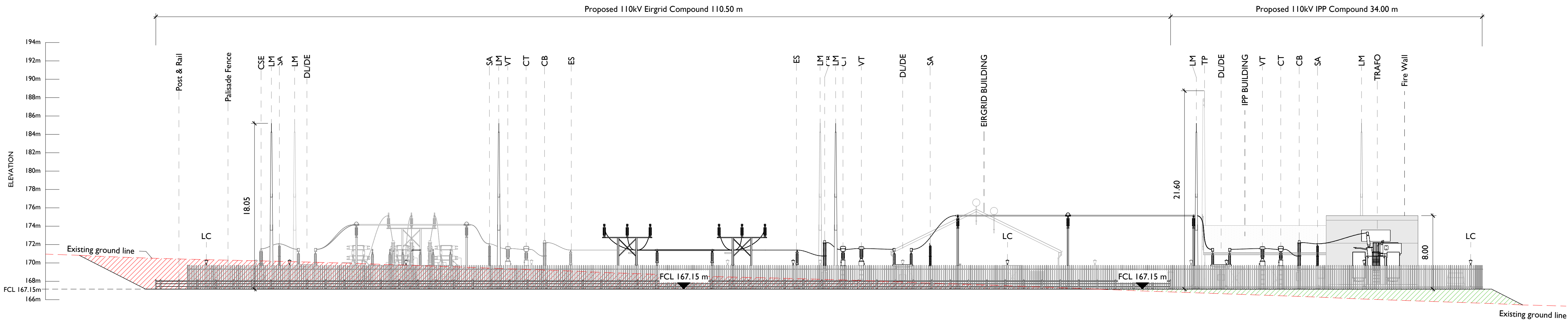
05854-DR-230

ISO A1 594mm x 841mm

Project Management Initials: Designer: LP Checked: ST Approved: GH



Elevation A
Scale: 1 : 250



Elevation B
Scale: 1 : 250



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PROJECT

Scart Mountain WF 110kV Grid Connection

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NOTES: -

1. Layout and Arrangements of Substation Building and Electrical Equipment is shown indicatively and for illustration purposes only. Design to be confirmed with Eirgrid as part of detailed design.
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.

LEGEND: -

	Description
SA	Surge Arrester
DU/DE	Line / Earth Disconnect.
CT	Current Transformer
VT	Voltage Transformer
CB	Circuit Breaker
CSE	Cable Sealing End
LM	Lightning Mast
PI	Post Insulator
LC	Lightning Column
TP	Telecoms Pole
ES	Earth Switch

Cut Volume
Fill Volume
Existing Ground Line

ISSUE/REVISION

P2	25.11.24	Issued for Planning
P1	15.02.24	Issued for Planning
I/R	DATE	DESCRIPTION

PROJECT NUMBER

05854

SHEET TITLE

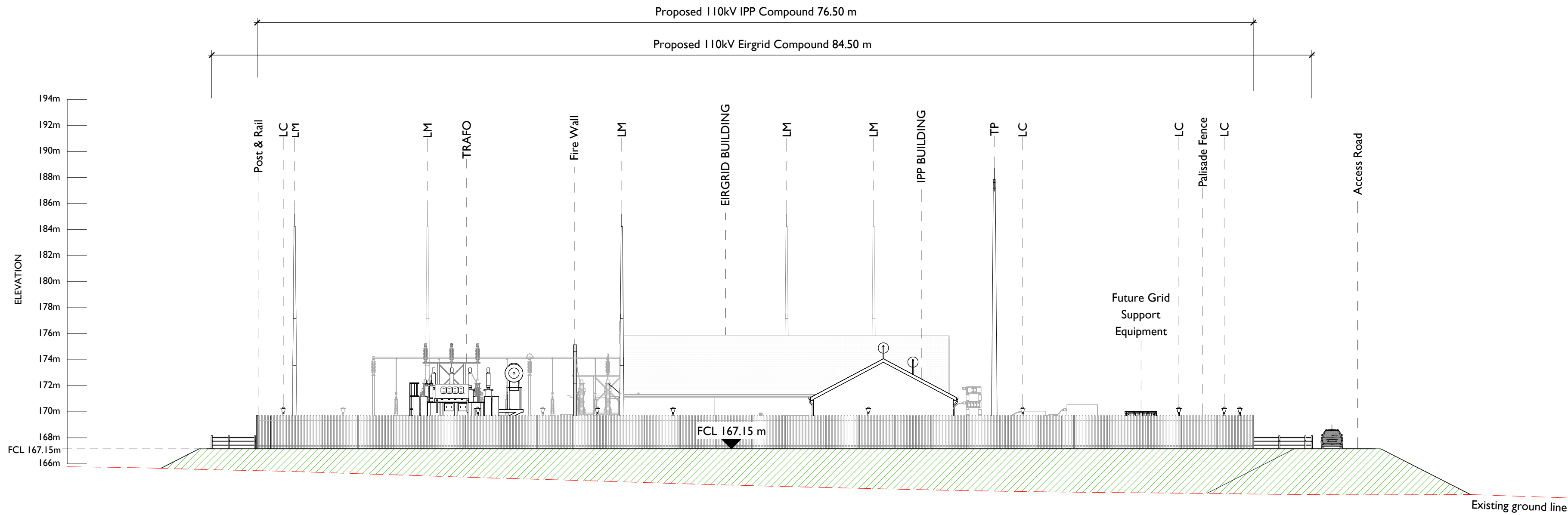
Wind Farm Substation Elevations
Sheet 1 of 2

SHEET NUMBER

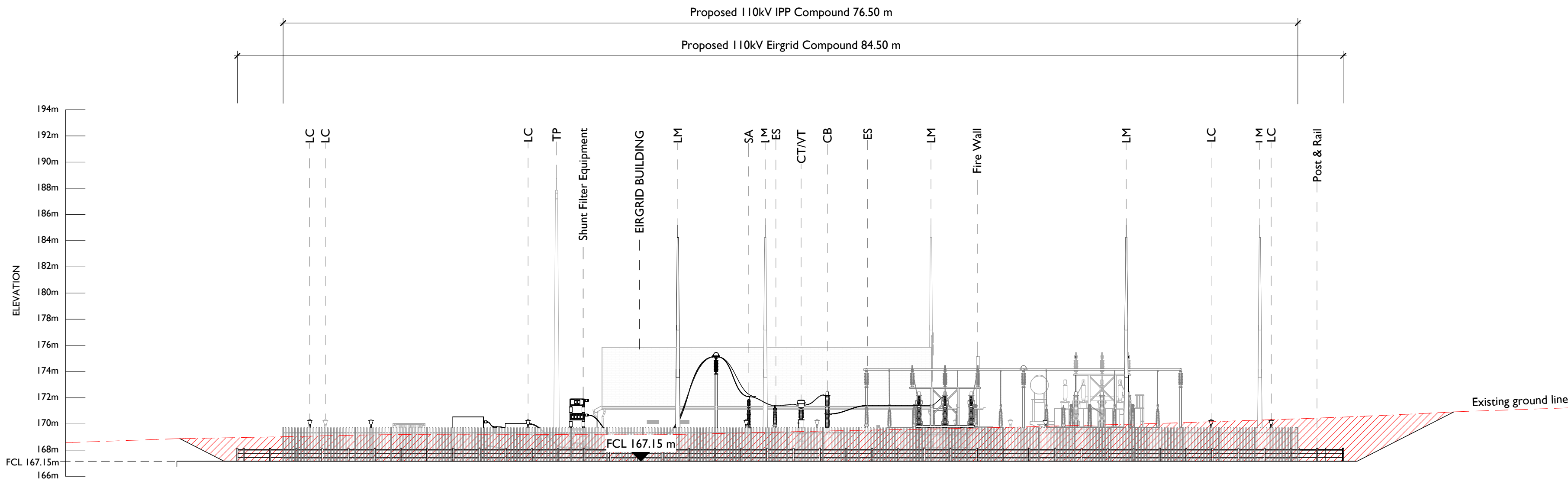
05854 - DR -231

ISO A1 594mm x 841mm

Project Management Initials: Designer: LP Checked: ST Approved: GH



Elevation C
Scale:1 : 250



Elevation D
Scale:1 : 250



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PROJECT

Scart Mountain WF
110kV Grid
Connection

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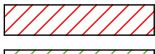
CONSULTANTS

NOTES: -

1. Layout and Arrangements of Substation Building and Electrical Equipment is shown indicatively and for illustration purposes only. Design to be confirmed with EirGrid as part of detailed design.
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.

LEGEND: -

	Description
SA	Surge Arrester
DL/DE	Line / Earth Disconnect.
CT	Current Transformer
VT	Voltage Transformer
CB	Circuit Breaker
CSE	Cable Sealing End
LM	Lightning Mast
PI	Post Insulator
LC	Lighting Column
TP	Telecoms Pole
ES	Earth Switch

Cut Volume 

Fill Volume 

Existing Ground Line 

ISSUE/REVISION

P2	25.11.24	Issued for Planning
P1	15.02.24	Issued for Planning
I/R	DATE	DESCRIPTION

PROJECT NUMBER

05854

SHEET TITLE

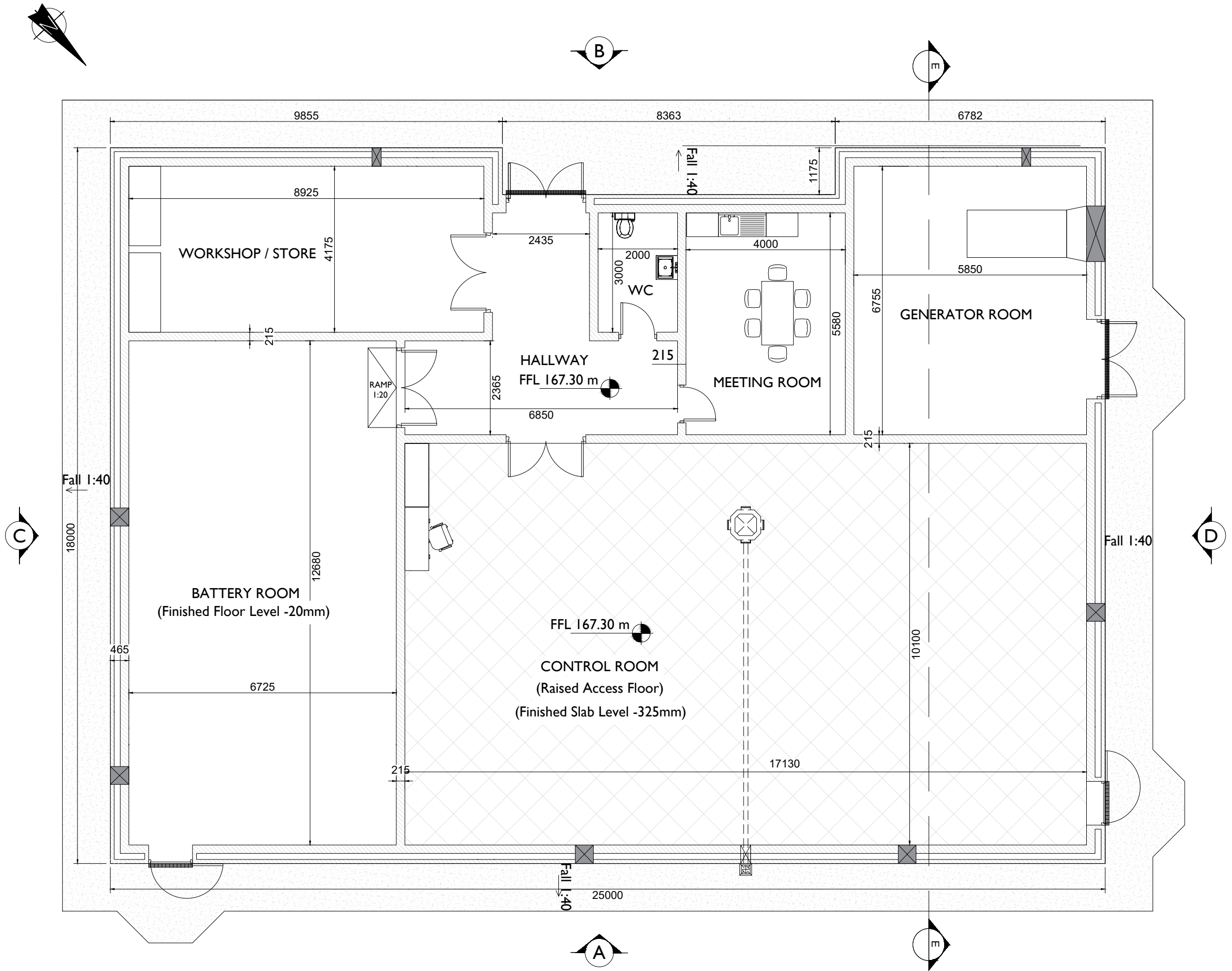
Wind Farm Substation Elevations
Sheet 2 of 2

SHEET NUMBER

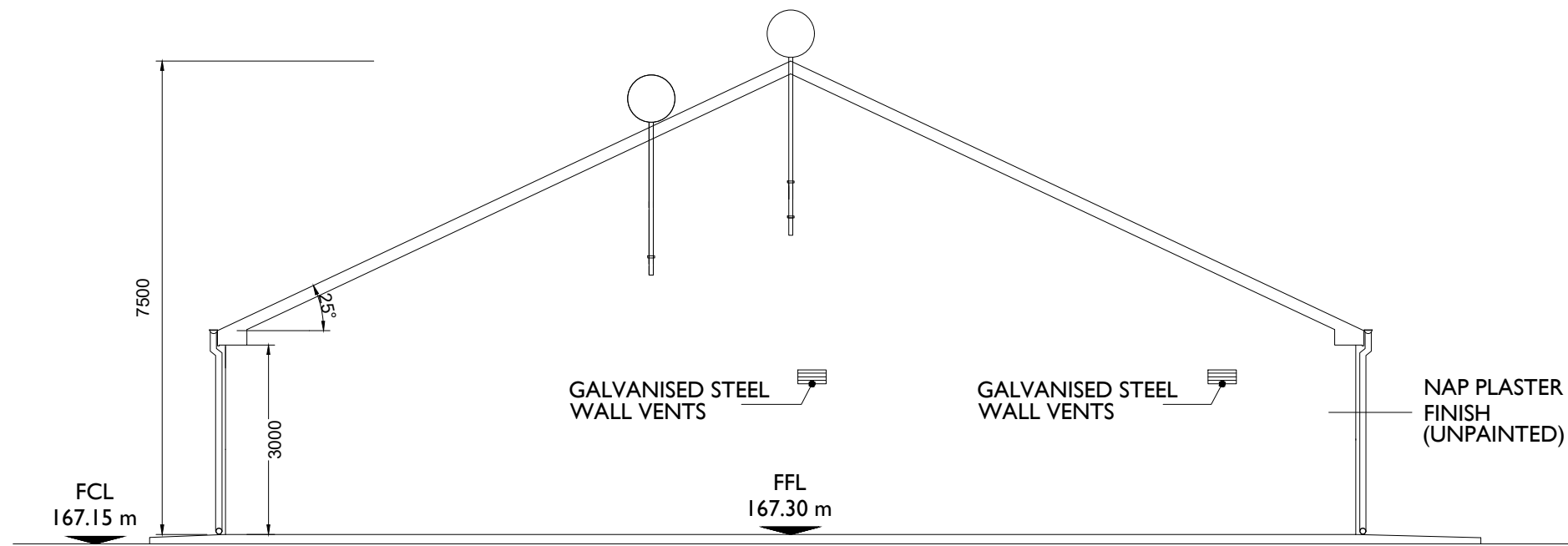
05854 - DR -232

ISO A1 594mm x 841mm

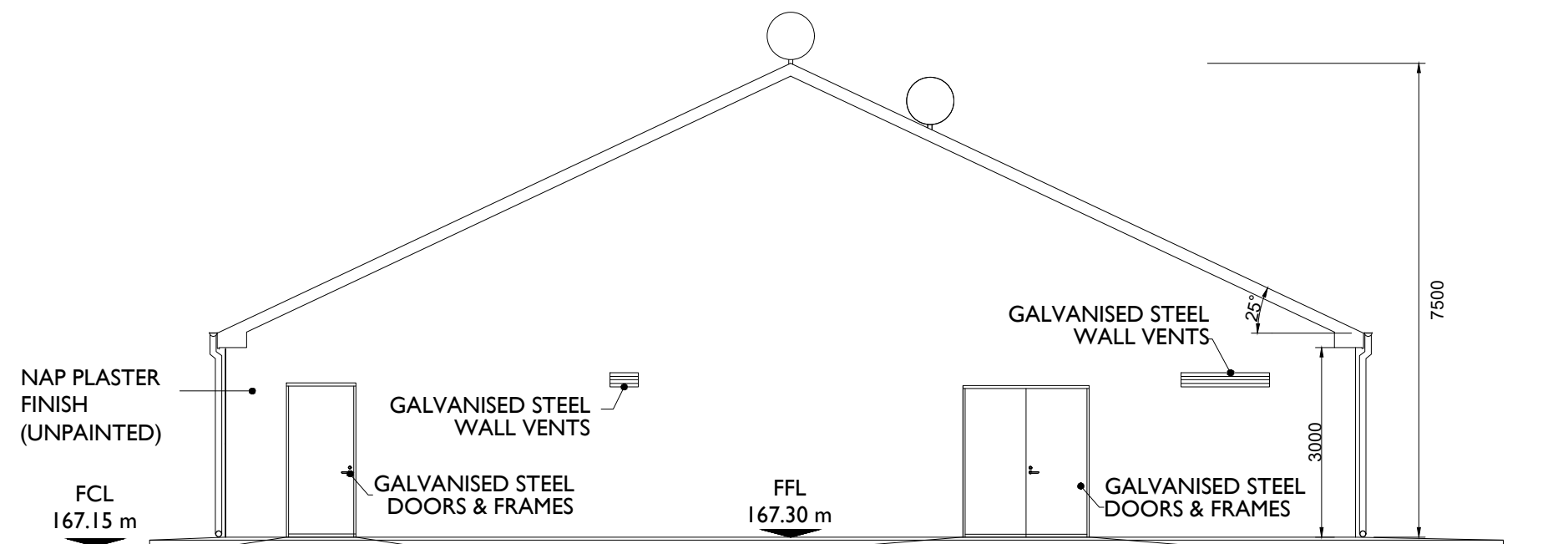
Project Management Initials: Designer: GD Checked: ST Approved: GH



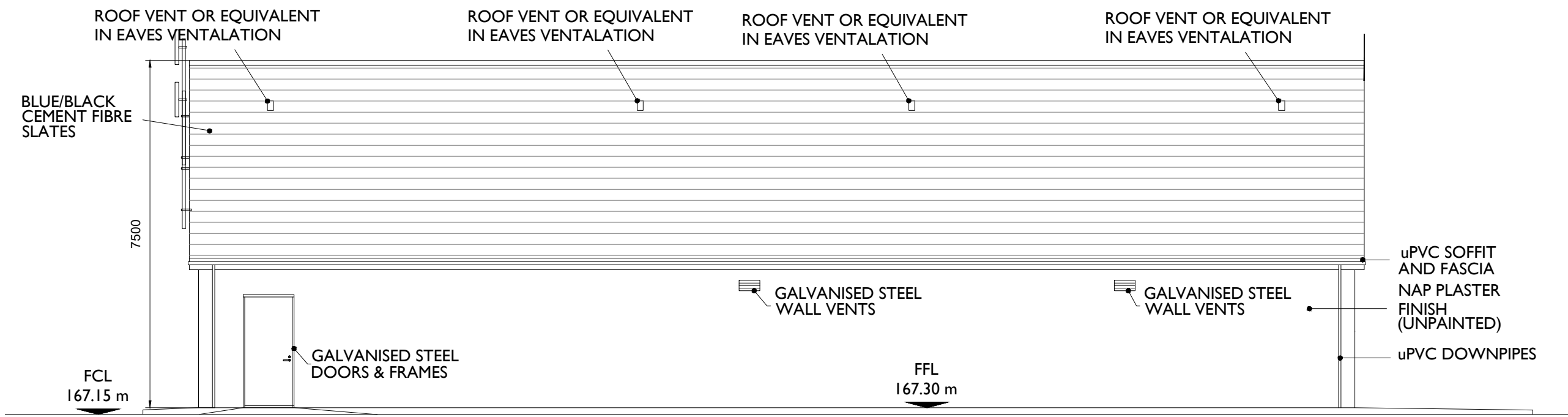
PLAN - CONTROL BUILDING
Scale : 1:100



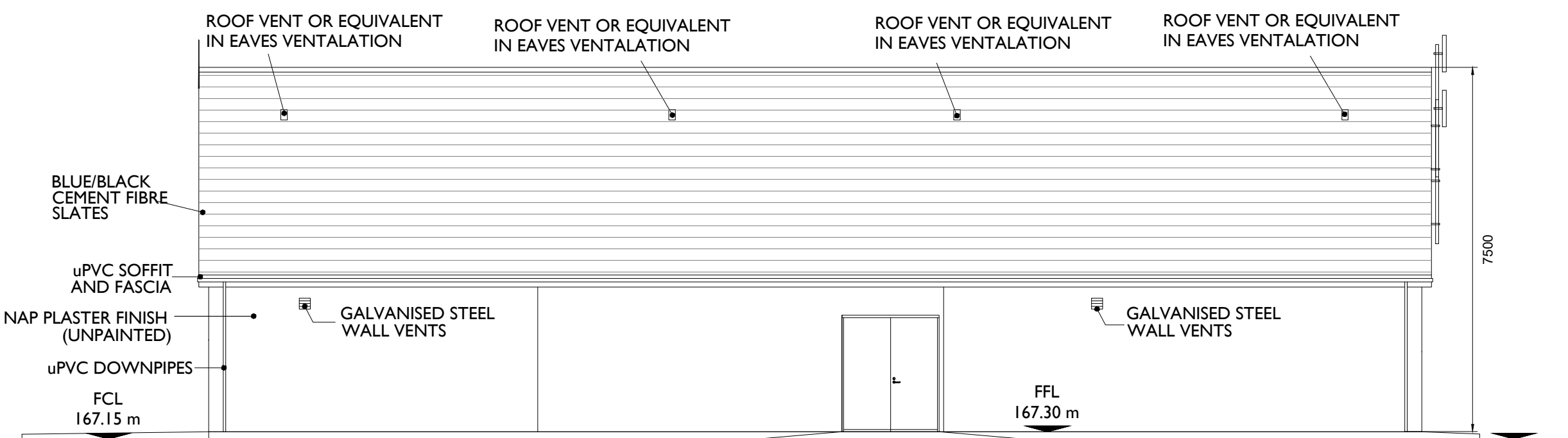
ELEVATION C
Scale : 1:100



ELEVATION D
Scale : 1:100



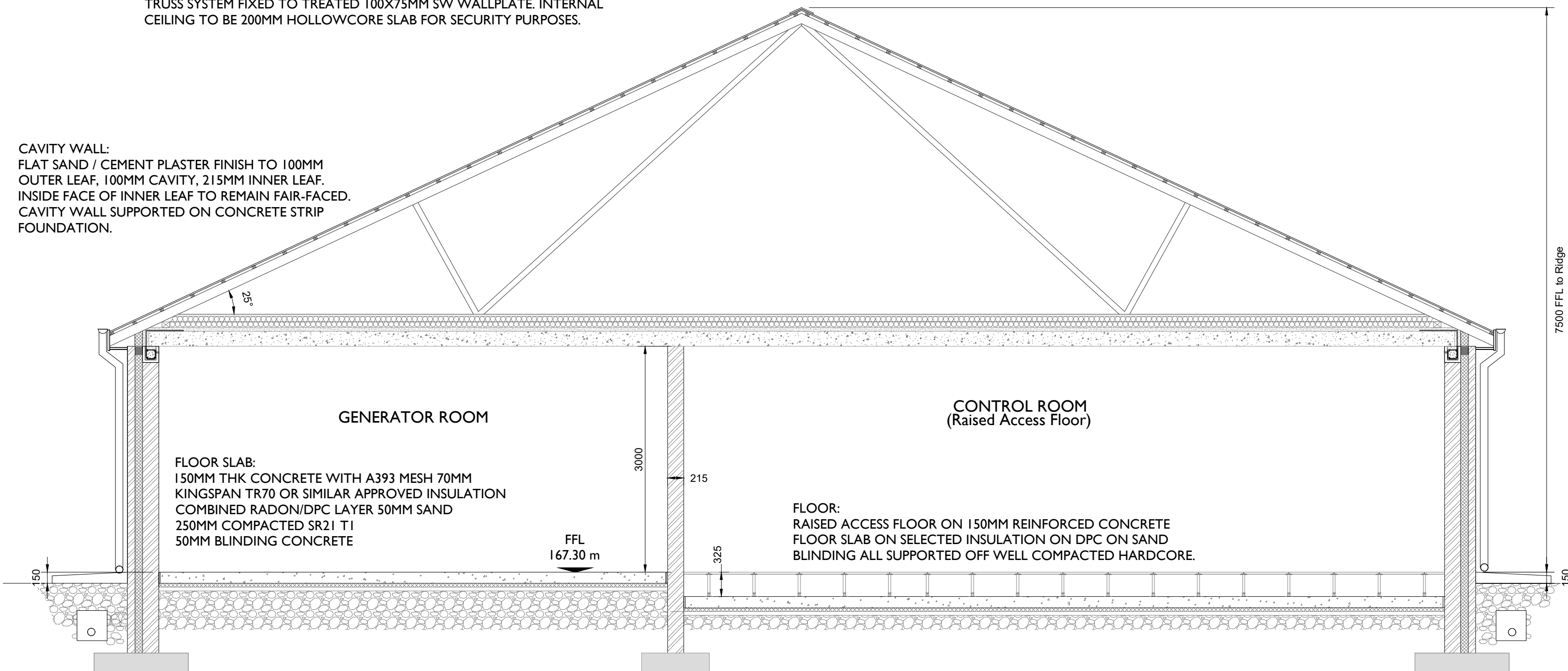
ELEVATION A
Scale : 1:100



ELEVATION B
Scale : 1:100

ROOF CONSTRUCTION:
ROOD SLATE ON, TREATED SW ROOF BATTENS ON,
SELECTED BREATHER MEMBRANE ON SELECTED SW PREFABRICATED ROOF
TRUSS SYSTEM FIXED TO TREATED 100X75MM SW WALLPLATE. INTERNAL
CEILING TO BE 200MM HOLLOWCORE SLAB FOR SECURITY PURPOSES.

CAVITY WALL:
FLAT SAND / CEMENT PLASTER FINISH TO 100MM
OUTER LEAF, 100MM CAVITY, 215MM INNER LEAF.
INSIDE FACE OF INNER LEAF TO REMAIN FAIR-FACED.
CAVITY WALL SUPPORTED ON CONCRETE STRIP
FOUNDATION.



SECTION E-E
Scale : 1:50



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PROJECT

Scart Mountain WF
110 kV Grid Connection

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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.

LEGEND: -

Levels on Plans shown thus

Levels on Elevations / Section shown thus

ISSUE/REVISION

P2	27.11.24	Issued for Planning
P1	15.02.24	Issued for Planning
I/R	DATE	DESCRIPTION

PROJECT NUMBER

05-854

SHEET TITLE

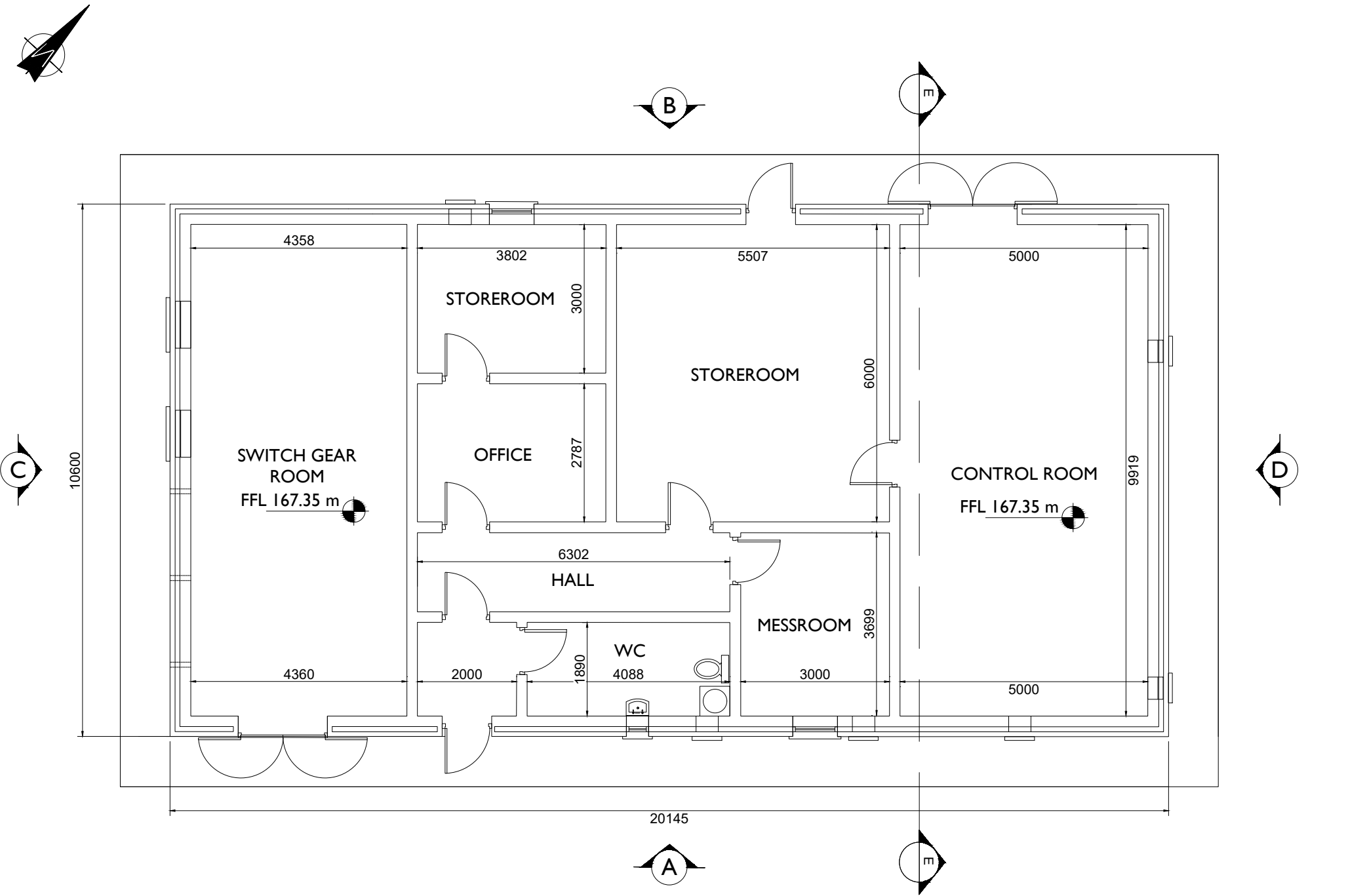
110 kV Control Building - Plan,
Elevations & Section

SHEET NUMBER

05854-DR-233

ISO A1 594mm x 841mm

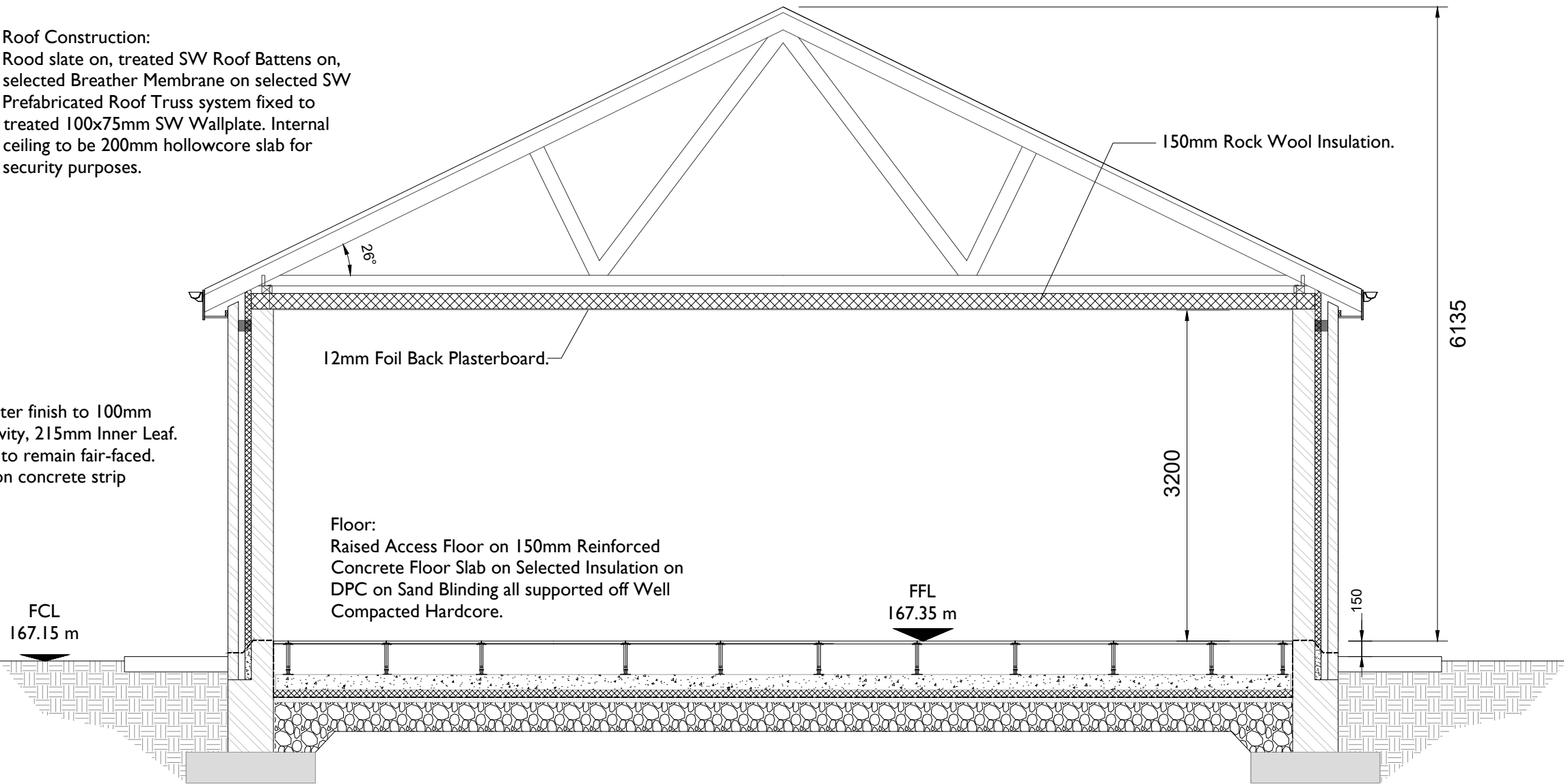
Project Management Initials: Designer: GD Checked: ST Approved: GH



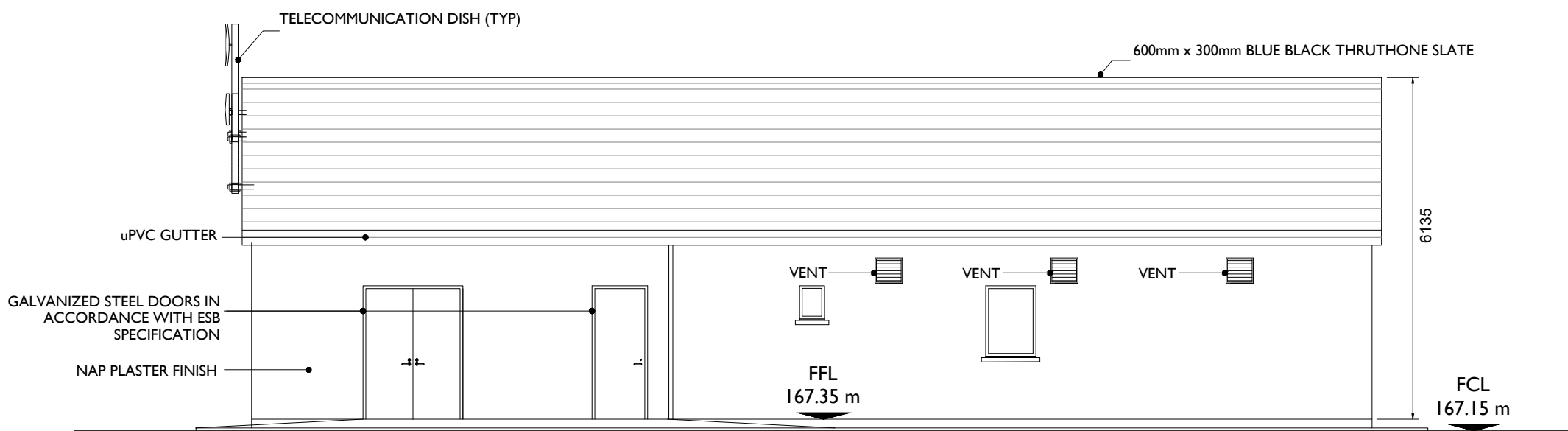
PLAN - CONTROL BUILDING
Scale : 1:100

Roof Construction:
Rood slate on, treated SW Roof Battens on,
selected Breather Membrane on selected SW
Prefabricated Roof Truss system fixed to
treated 100x75mm SW Wallplate. Internal
ceiling to be 200mm hollowcore slab for
security purposes.

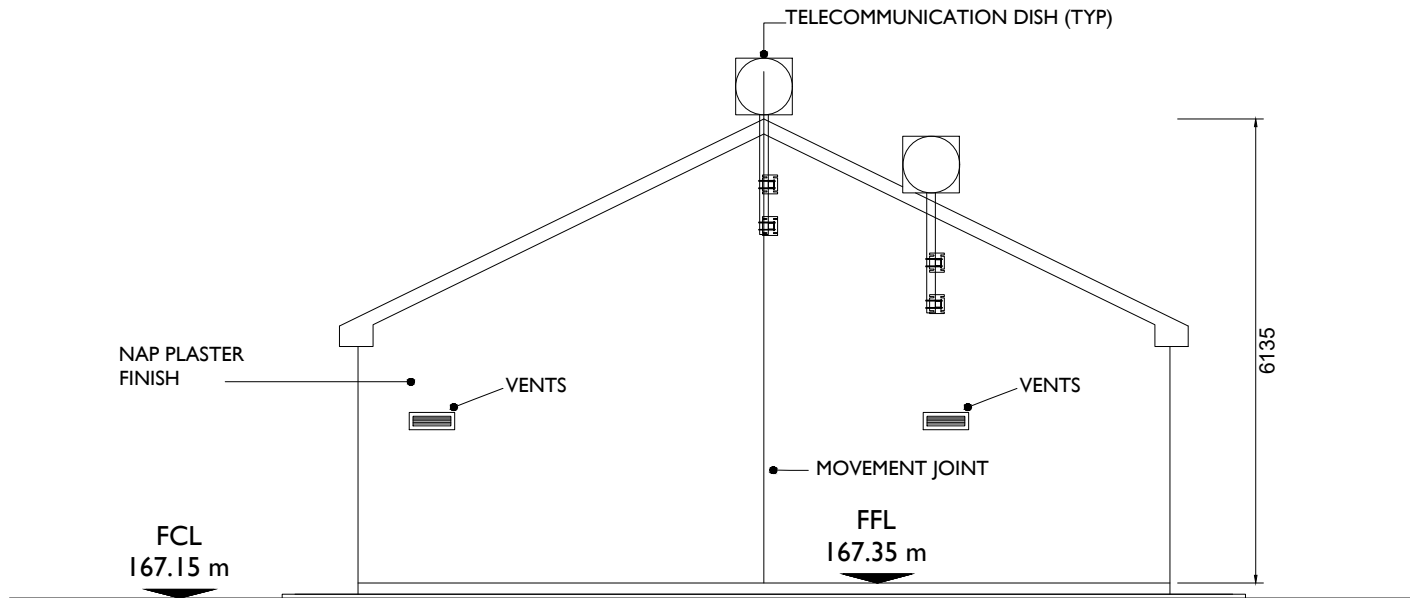
Cavity Wall:
Flat Sand / Cement Plaster finish to 100mm
Outer Leaf, 100mm Cavity, 215mm Inner Leaf.
Inside face of inner leaf to remain fair-faced.
Cavity wall supported on concrete strip
foundation.



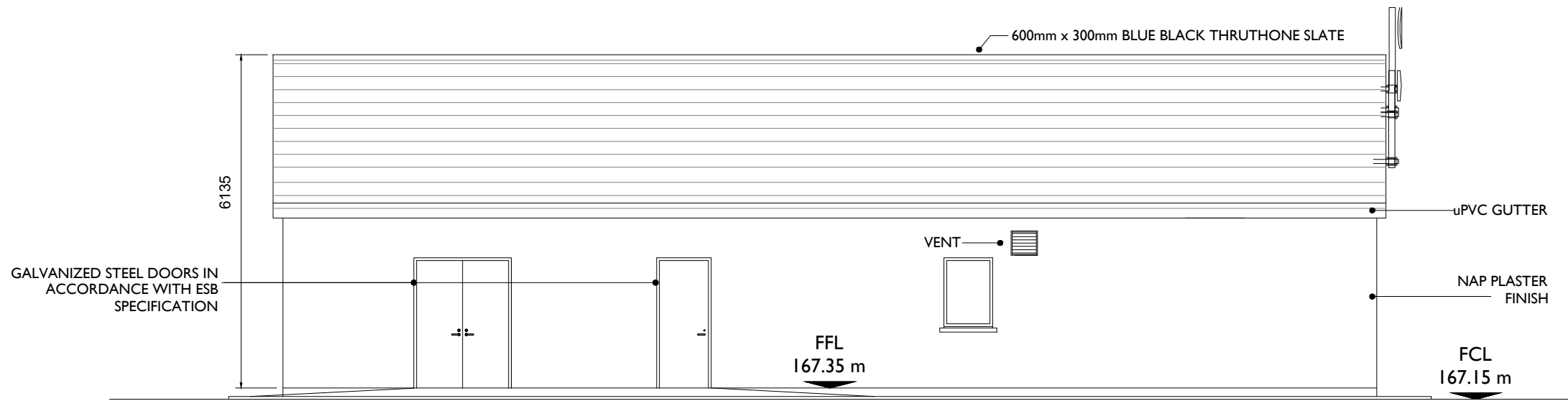
SECTION E-E
Scale : 1:50



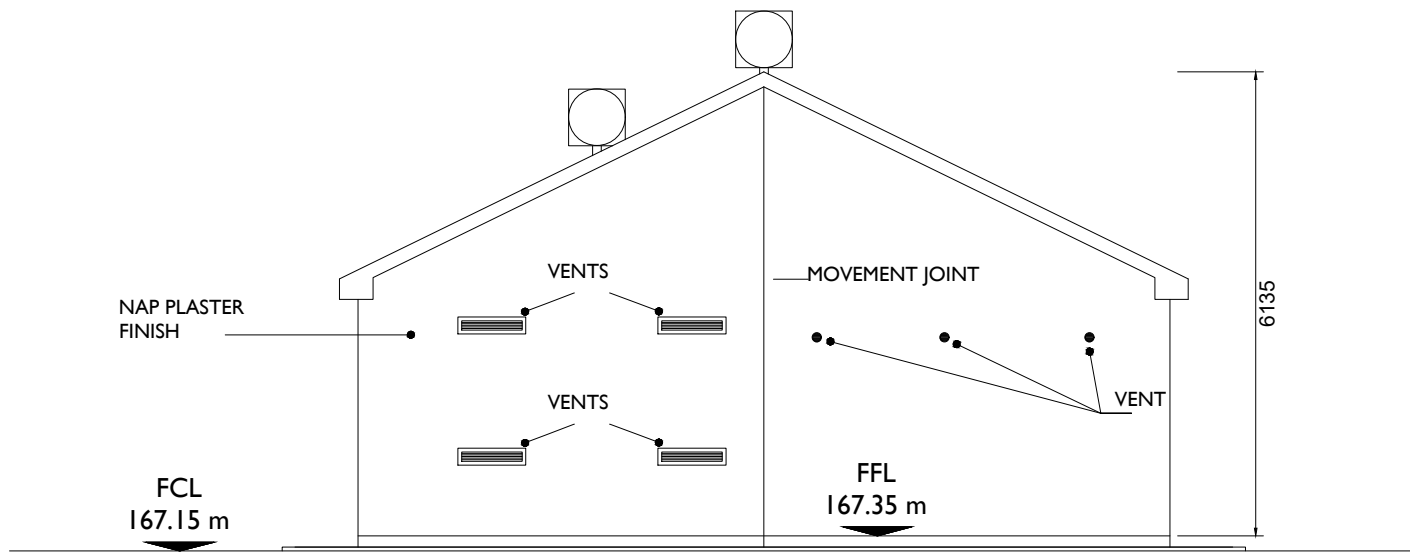
ELEVATION A
Scale : 1:100



ELEVATION D
Scale : 1:100



ELEVATION B
Scale : 1:100



ELEVATION C
Scale : 1:100



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PROJECT

Scart Mountain WF
110 kV Grid Connection

CLIENT

Ireland
FuturEnergy

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CONSULTING ENGINEERS

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.

LEGEND: -

Levels on Plans shown thus  167.35 m
Levels on Elevations / Section shown thus  167.35 m

ISSUE/REVISION

P2	27.11.24	Issued for Planning
P1	15.02.24	Issued for Planning
I/R	DATE	DESCRIPTION

PROJECT NUMBER

05-854

SHEET TITLE

Customer MV Switchgear Building

SHEET NUMBER

05854-DR-234

ISO A1 594mm x 841mm

Project Management Initials: Designer: LP Checked: ST Approved: GH



Cut/Fill Summary

Name	Cut Factor	Fill Factor	2d Area	Cut	Fill	Net
Substation Compound Volume	1.000	1.000	15301.098sq.m	10840.662 Cu. M.	10984.868 Cu. M.	144.206 Cu. M.<Fill>
Totals			15301.098sq.m	10840.662 Cu. M.	10984.868 Cu. M.	144.206 Cu. M.<Fill>

Map Series:
Prime Data Vector

ITM Centre Point Co-ordinate:
X,Y = 614654.012, 602066.699

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PROJECT

Scart Mountain
Wind Farm
110 kV Grid Connection

CLIENT



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NOTES: -

Cut & Fill Volumes are approximate for preliminary design Only. Detailed Material Classification & Geotechnical Design to be completed at design phase.

LEGEND: -

Approx. Cut Volume	
Approx. Fill Volume	
Road to wind farm to be designed by WF Planners	
Proposed Access Road	

ISSUE/REVISION

P2	26.11.24	Issued for Planning
P1	05.03.24	Issued for Planning
I/R	DATE	DESCRIPTION

PROJECT NUMBER

05-854

SHEET TITLE

Cut & Fill Volume
Site Layout Plan

SHEET NUMBER

05854-DR-241

Scart Mountain
110kV Substation Compound

Access Road to EirGrid Compound

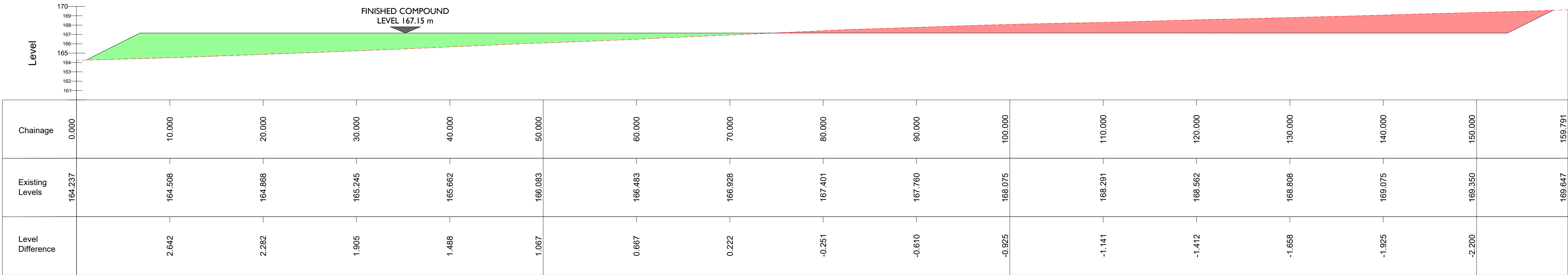
Access Road to IPP Compound

Cut & Fill Volume - Site Layout Plan

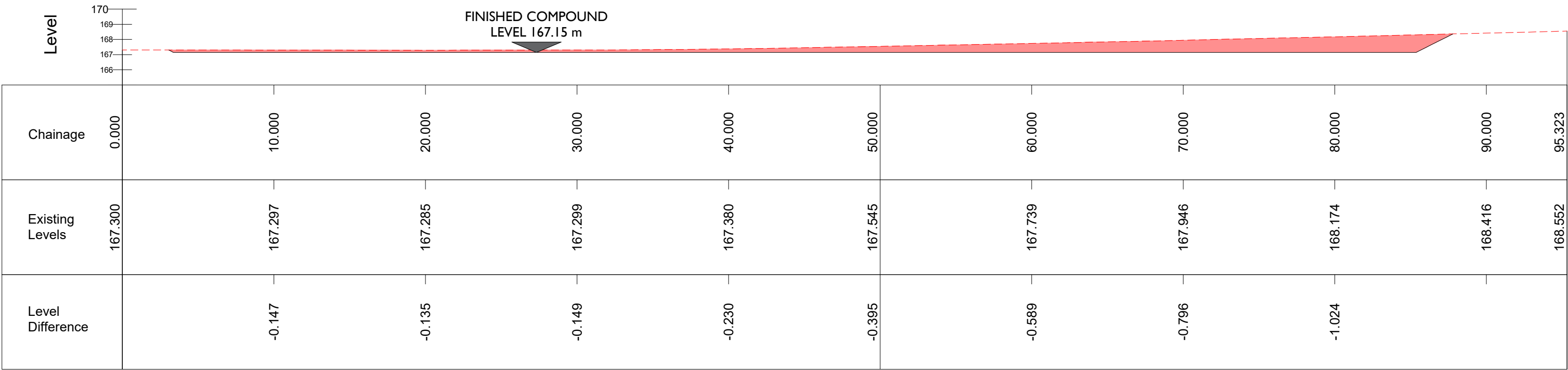
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Key Plan

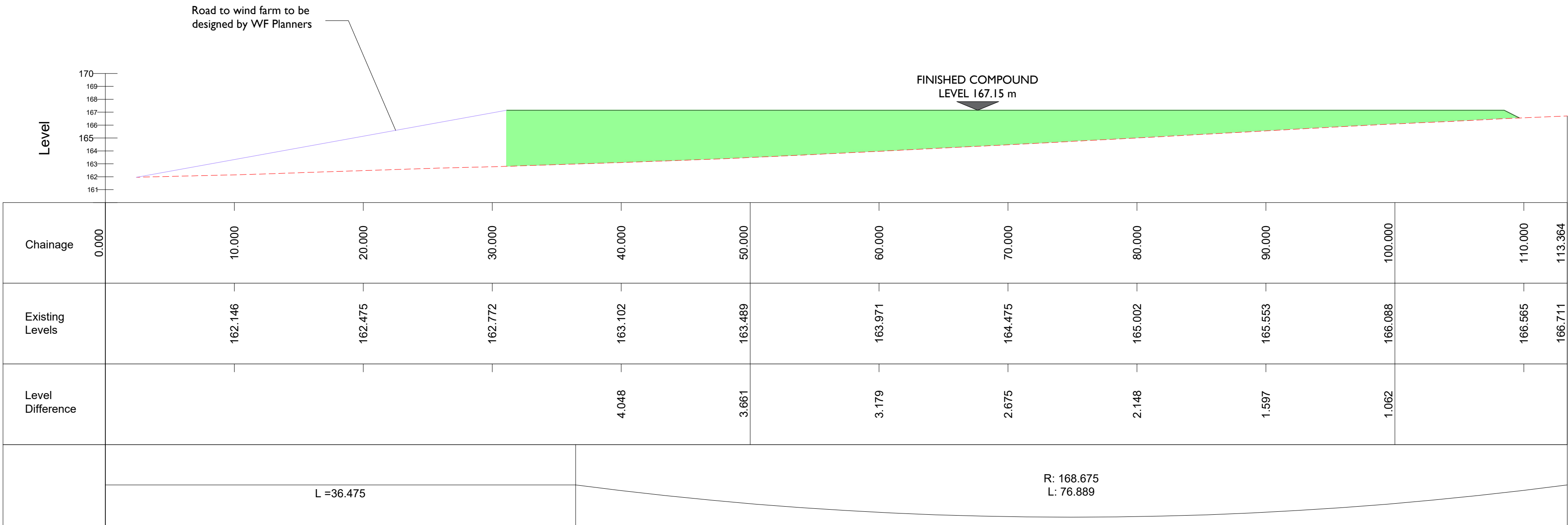
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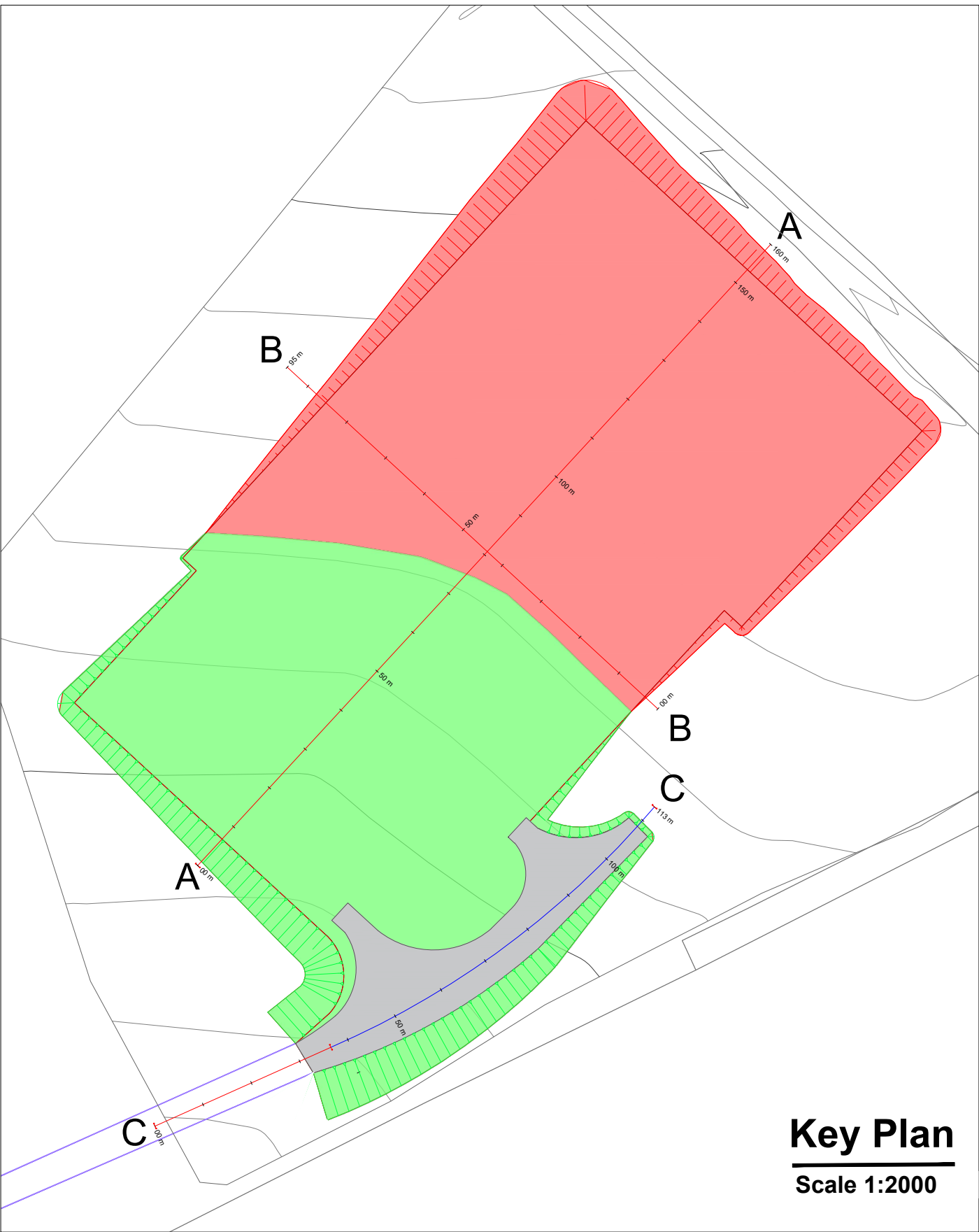
Section A-A
SCALE 1:250



Section B-B
SCALE 1:250



Section C-C - Access Road
SCALE 1:250



PROJECT

Scart Mountain
Wind Farm
110 kV Grid Connection



NOTES: -

Cut & Fill Volumes are approximate for preliminary design Only. Detailed Material Classification & Geotechnical Design to be completed at design phase.

LEGEND: -

Approx. Cut Volume (Red)

Approx. Fill Volume (Green)

Ecisting Ground Profile (Dashed Red)

Road to wind farm to be designed by WF Planners (Blue)

ISSUE/REVISION		
P2	26.11.24	Issued for Planning
P1	05.03.24	Issued for Planning
I/R	DATE	DESCRIPTION

PROJECT NUMBER
05-854

SHEET TITLE
Cut & Fill Volume
Sections

SHEET NUMBER
05854-DR-242

ISO A1 594mm x 841mm

Project Management Initials: Designer: LP Checked: ST Approved: GH

Map Series:
Prime Data Vector

ITM Centre Point Co-ordinate:
X,Y = 614654.012, 602066.699

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Swept Path Analysis - Road to Wind Farm

SCALE 1:500



Swept Path Analysis - Proposed Access Roads

SCALE 1:250

Scart Mountain
110kV Substation Compound

Road to Wind Farm

Scart Mountain 110kV Substation

167.0

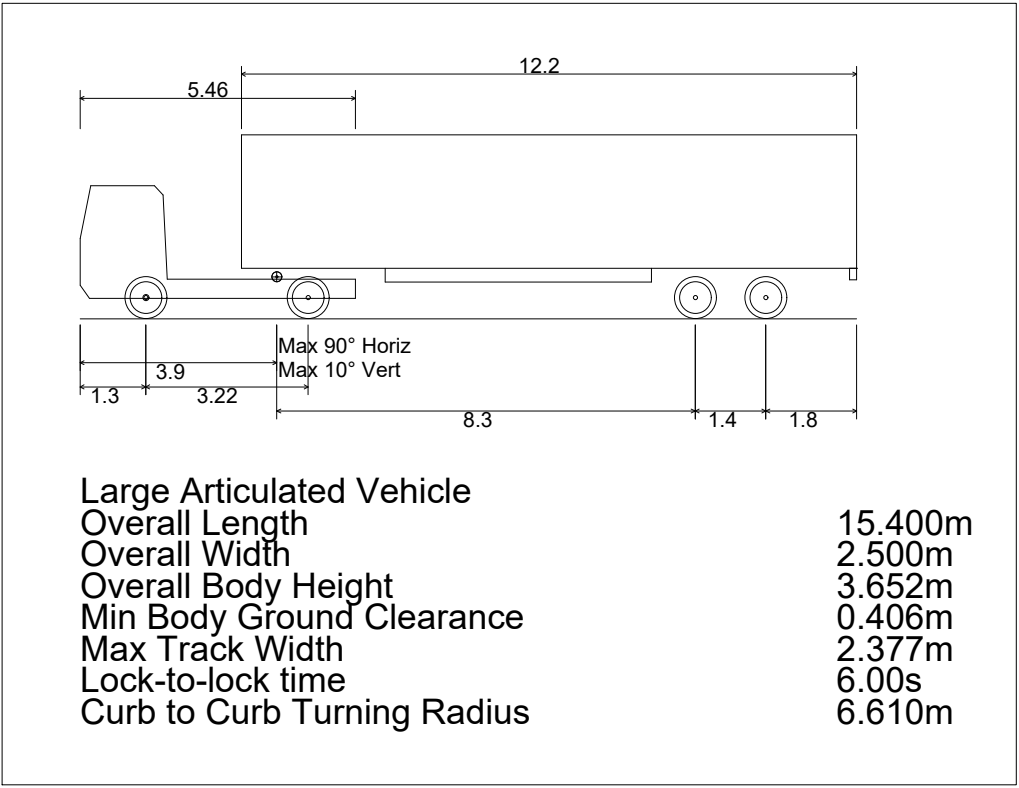
166.0

Access Road to EirGrid Compound

Access Road to IPP Compound

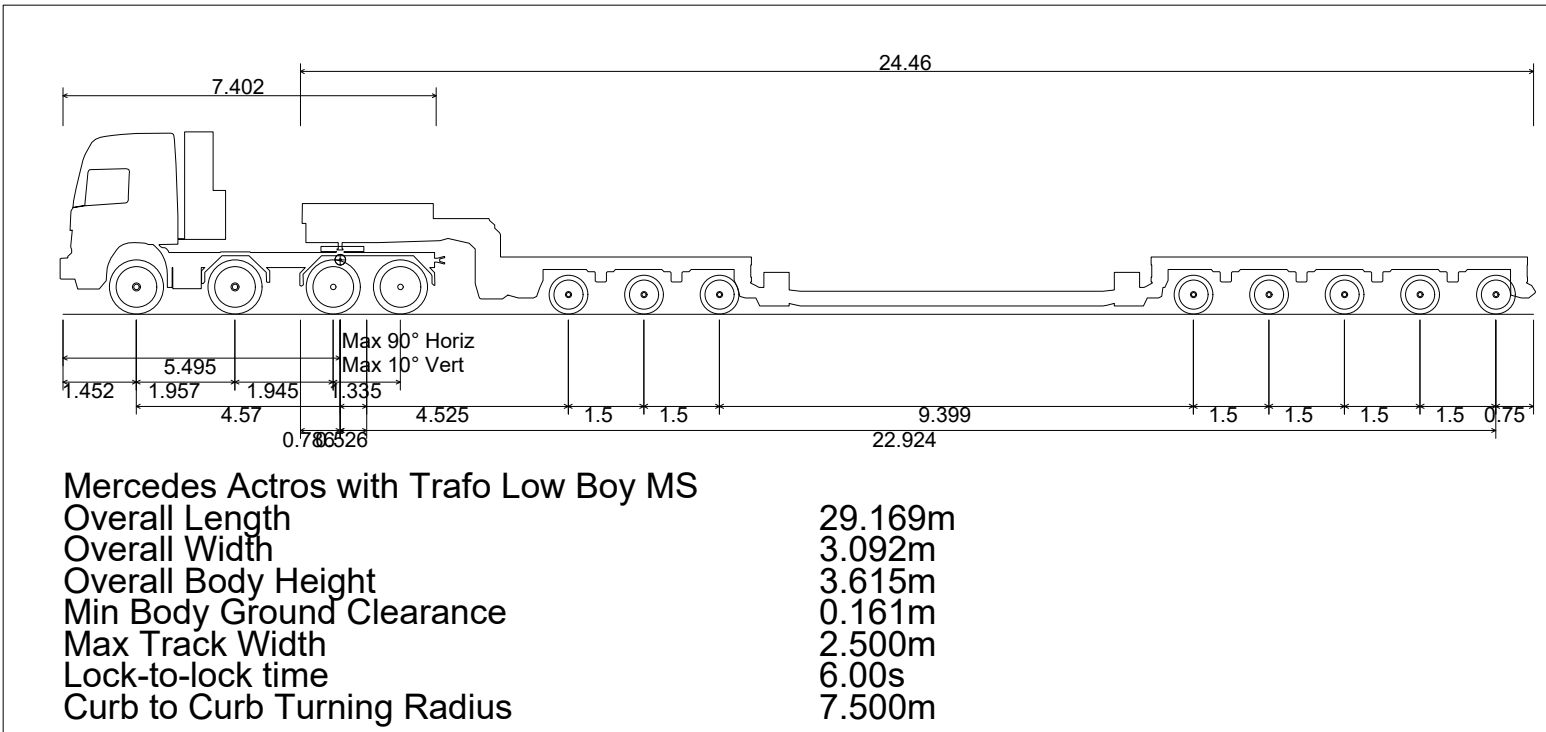
163.0

162.0



Truck 2 Details

Scale 1:150



Truck 1 Details - For Transformer Delivery

Scale 1:150



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PROJECT

Scart Mountain
Wind Farm
110 kV Grid Connection

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NOTES: -

LEGEND: -

- Road to wind farm to be designed by WF Planners
- Swept path - Truck 1 for Transformer Delivery
- Swept path - Truck 2
- Proposed Access Road
- Temporary widening of the road for Truck maneuvers
- Approx. Fill Volume

ISSUE/REVISION

P2	26.11.24	Issued for Planning
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I/R	DATE	DESCRIPTION

PROJECT NUMBER

05-854

SHEET TITLE

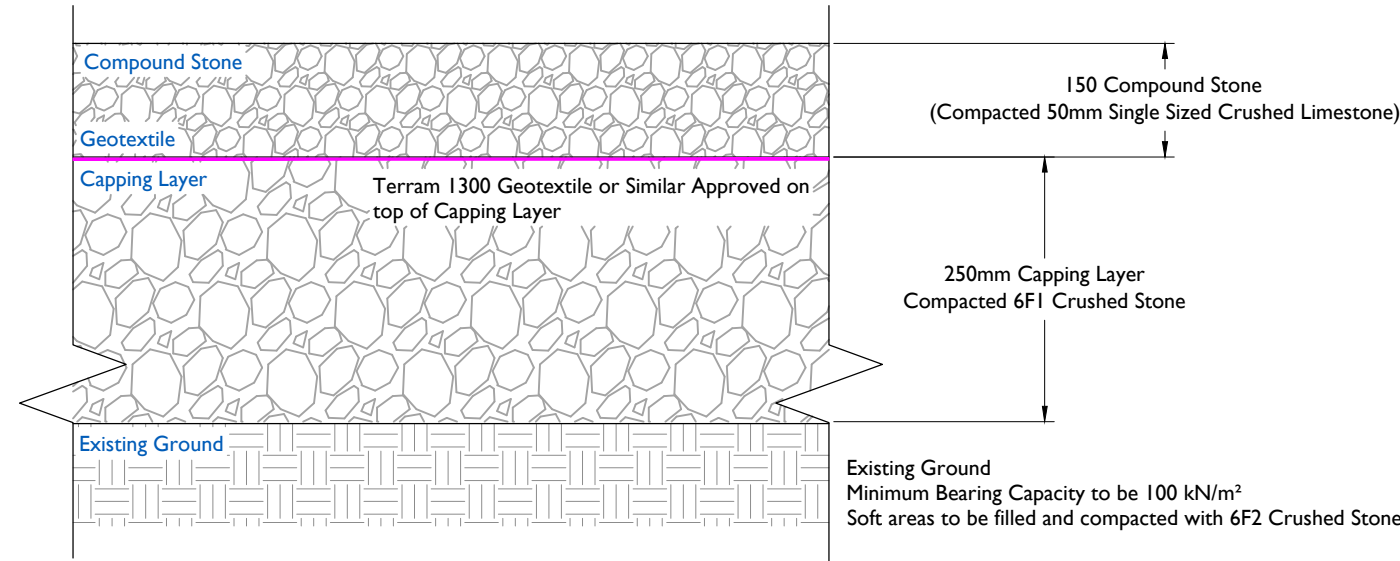
Swept Path Analysis

SHEET NUMBER

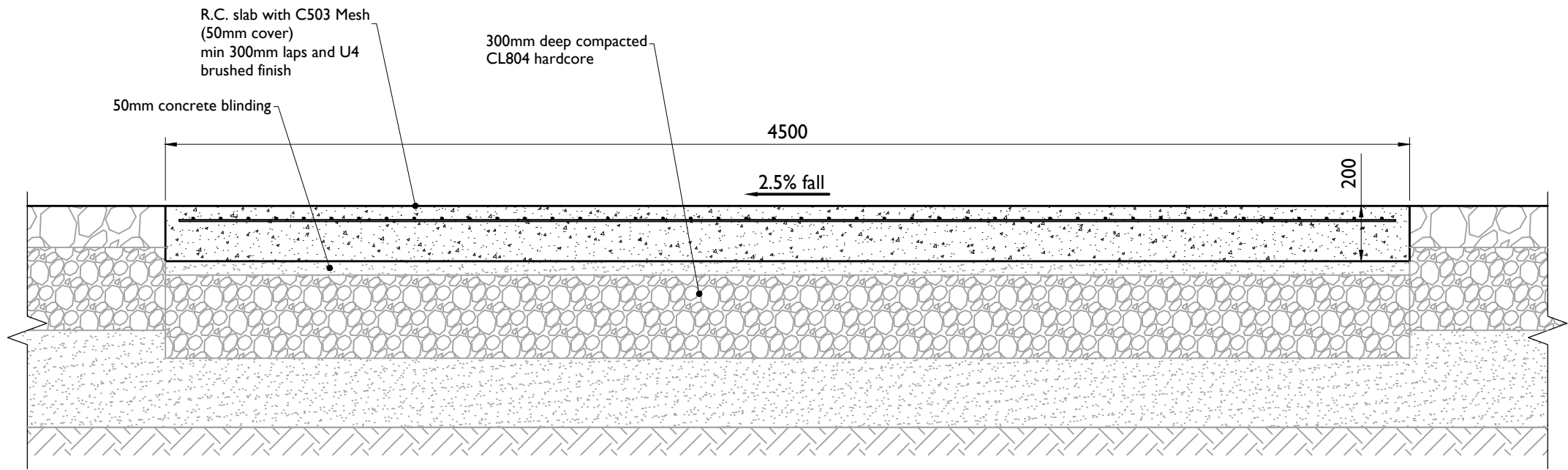
05854-DR-243

ISO A1 594mm x 841mm

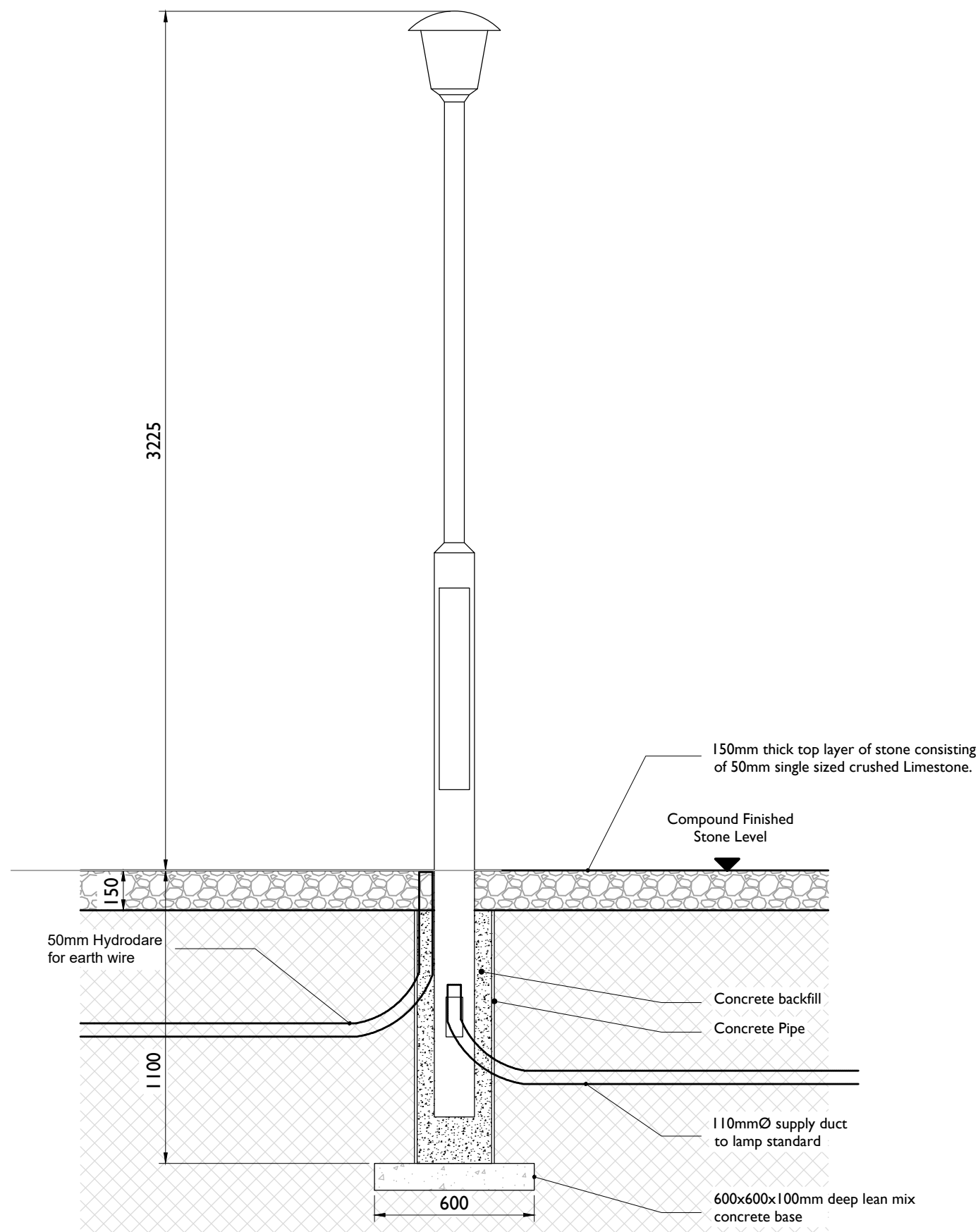
Project Management Initials: Designer: CH Checked: ST Approved: GH



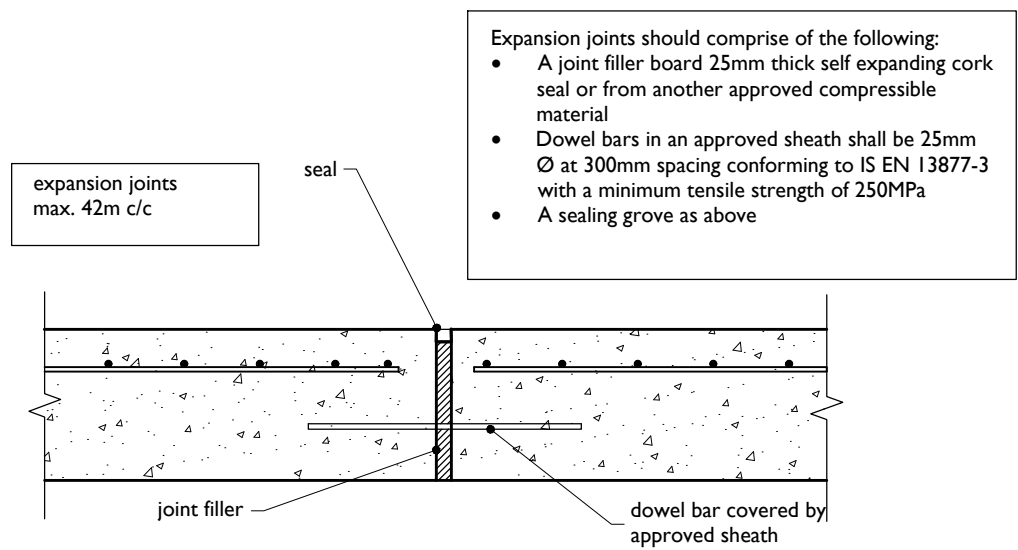
TYPICAL COMPOUND DETAIL
SCALE 1:10



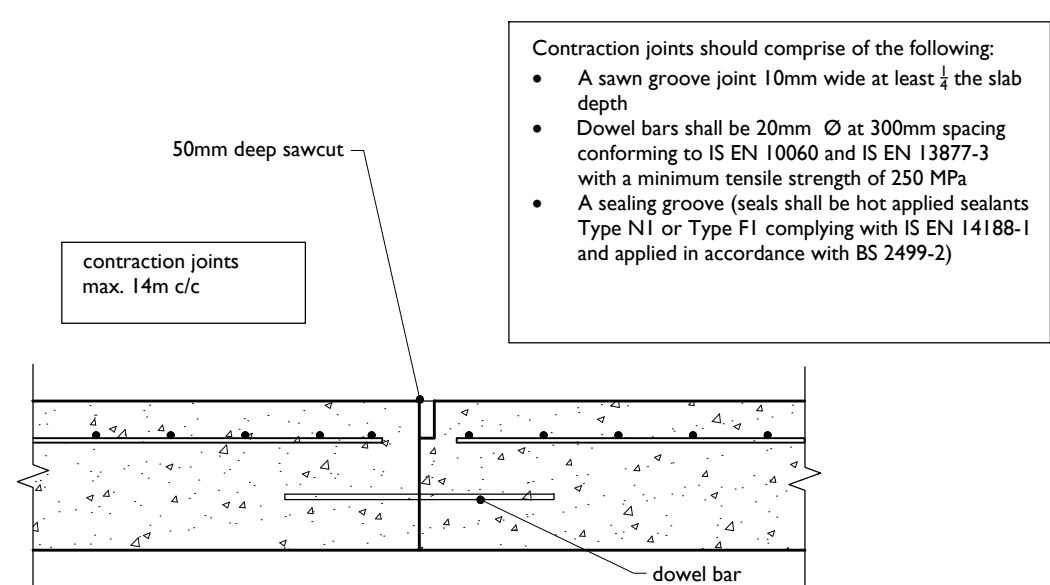
TYPICAL SECTION - CONCRETE ACCESS ROAD
SCALE 1:20



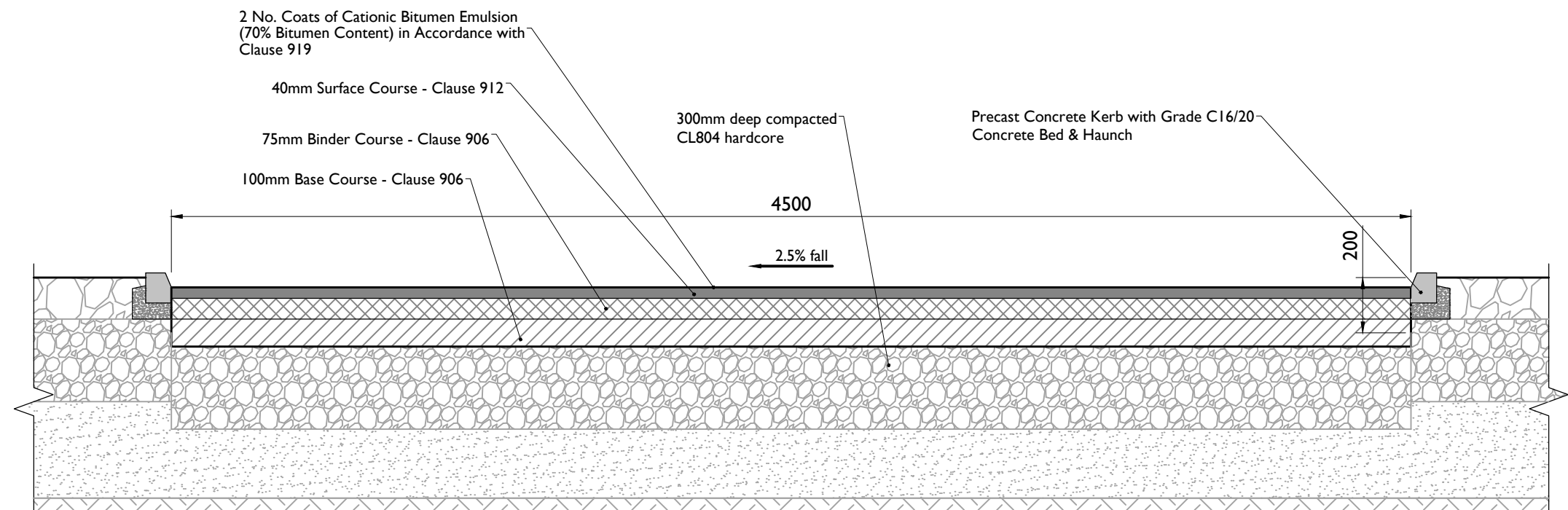
LAMP POST & SURROUND DETAIL
SCALE 1:20



Concrete Access Road Expansion Joint
SCALE 1:10



Concrete Access Road Contraction Joint
SCALE 1:10



TYPICAL SECTION - ASPHALT ACCESS ROAD
SCALE 1:20



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PROJECT

Scart Mountain WF
110 kV Grid Connection

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NOTES: -

1. Notes as per drawing.

LEGEND: -

ISSUE/REVISION

Issue/Revision	Date	Description
P1	09.11.2023	Issued for Planning
I/R	DATE	DESCRIPTION

PROJECT NUMBER

05-854

SHEET TITLE

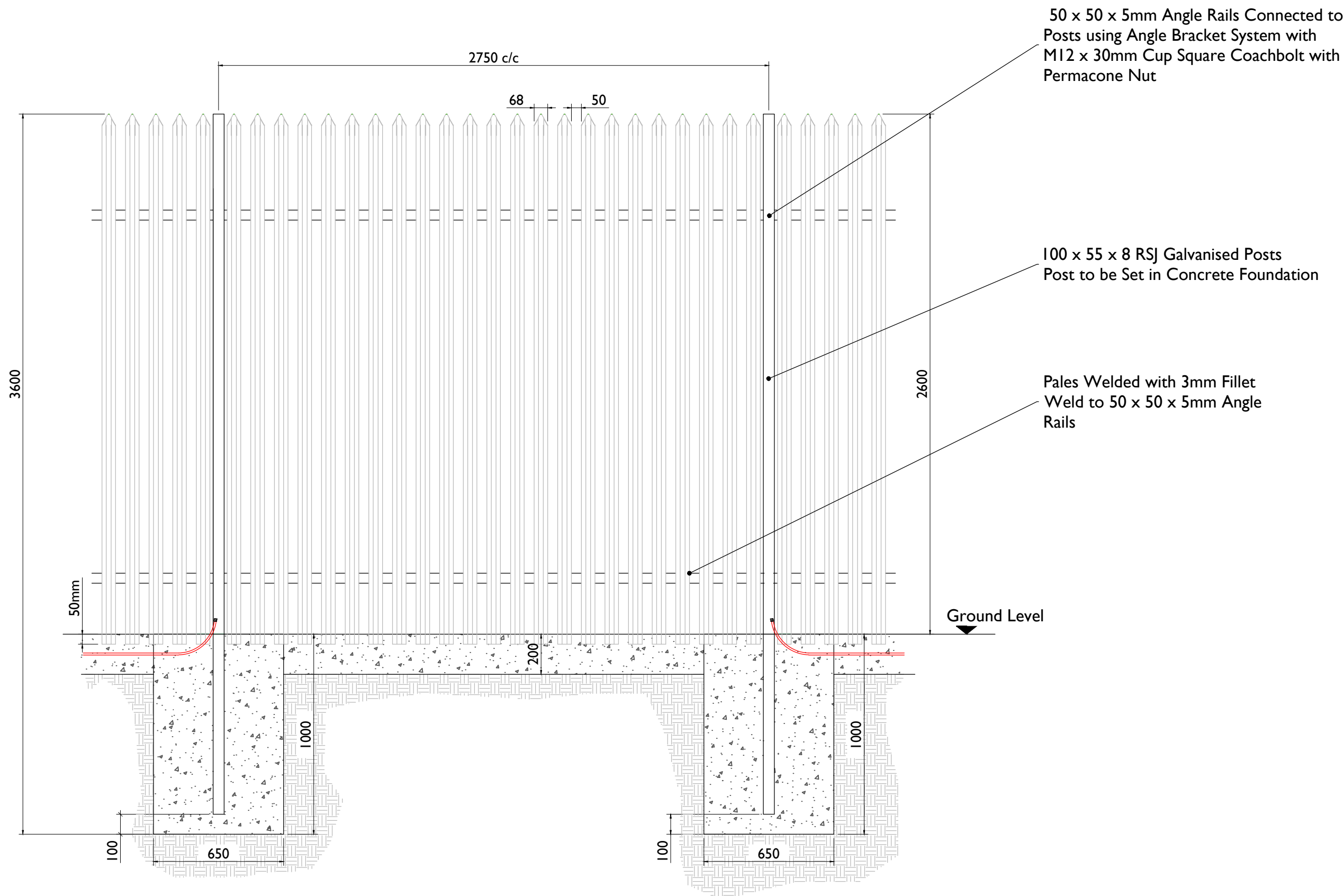
Wind Farm Substation
Site Compound Details

SHEET NUMBER

05854-DR-235

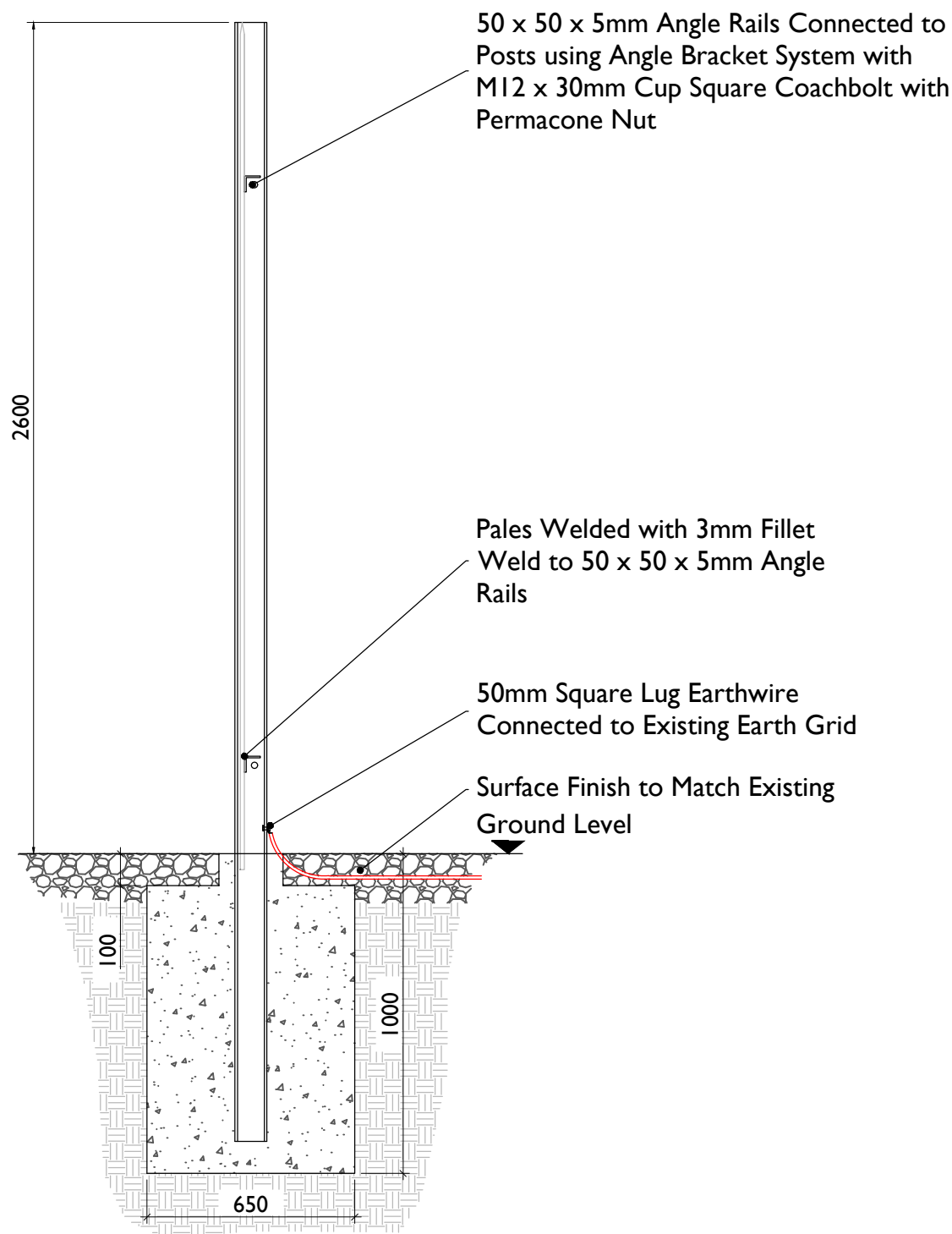
ISO A1 594mm x 841mm

Project Management Initials: Designer: CH Checked: ST Approved: GH



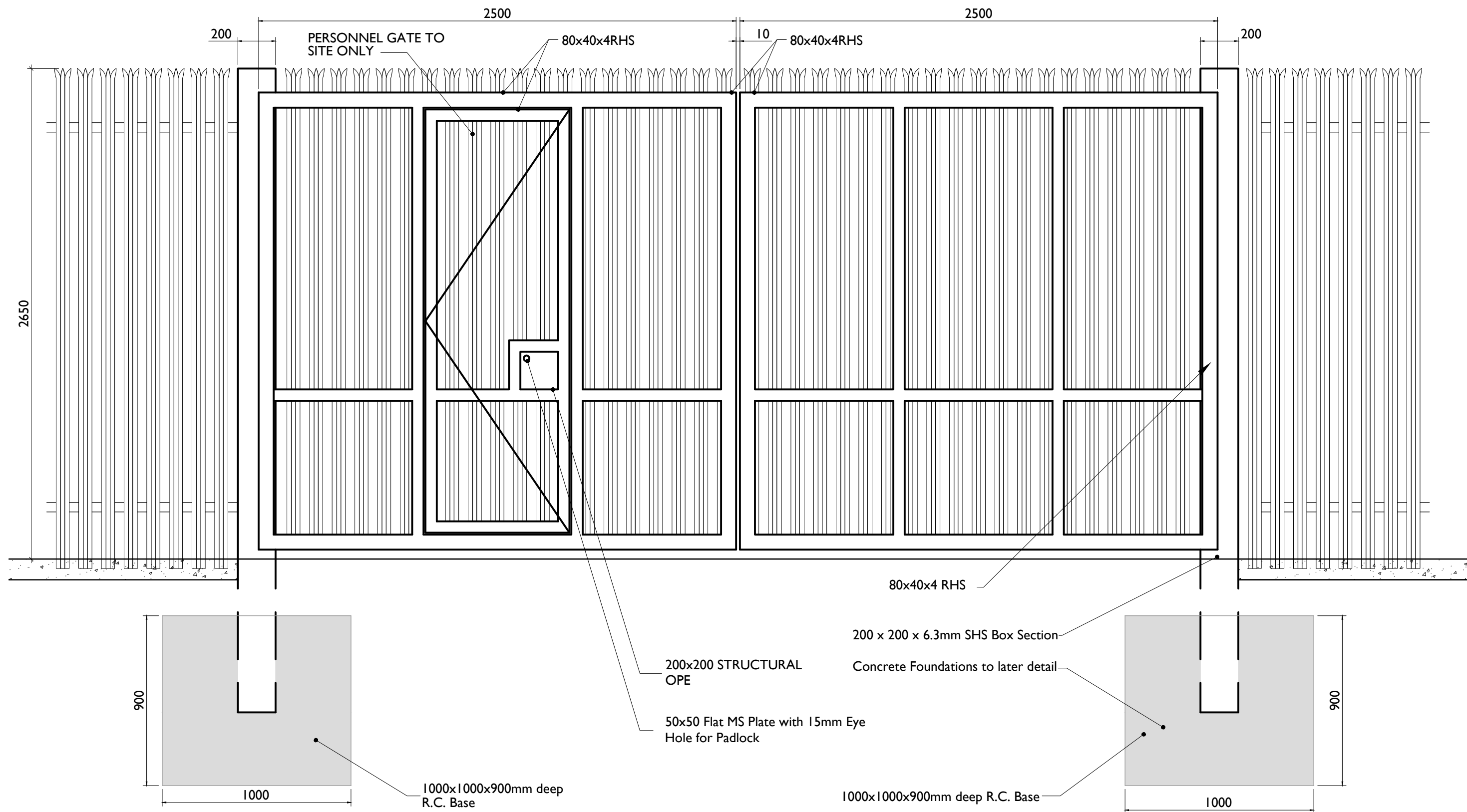
PALISADE FENCING DETAILS - ELEVATION

SCALE 1:20



PALISADE FENCING DETAILS - SECTION

SCALE 1:20



PALISADE FENCING DETAILS - ELEVATION

SCALE 1:20

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PROJECT

Scart Mountain WF

110 kV Grid Connection

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- NOTES: -
- This drawing is to be read in conjunction with relevant drawings, specifications and reports
 - Dimensions are in millimetres, unless noted otherwise
 - Drawings are not to be scaled use figured dimensions only

LEGEND: -

ISSUE/REVISION		
P1	09.11.2023	Issued for Planning
I/R	DATE	DESCRIPTION

PROJECT NUMBER

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SHEET TITLE

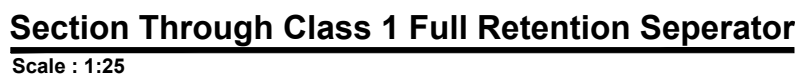
Wind Farm Substation
Gate and Fencing Details

SHEET NUMBER

05854-DR-236



Plan - Typical Foul Water Holding Tank



Typical Precast Ring Manhole

Scale : 1:25



PROJECT

Scart Mountain WF

110 kV Grid Connection

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LEGEND: -

ISSUE/REVISION

P1	09.11.2023	Issued for Planning
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PROJECT NUMBER

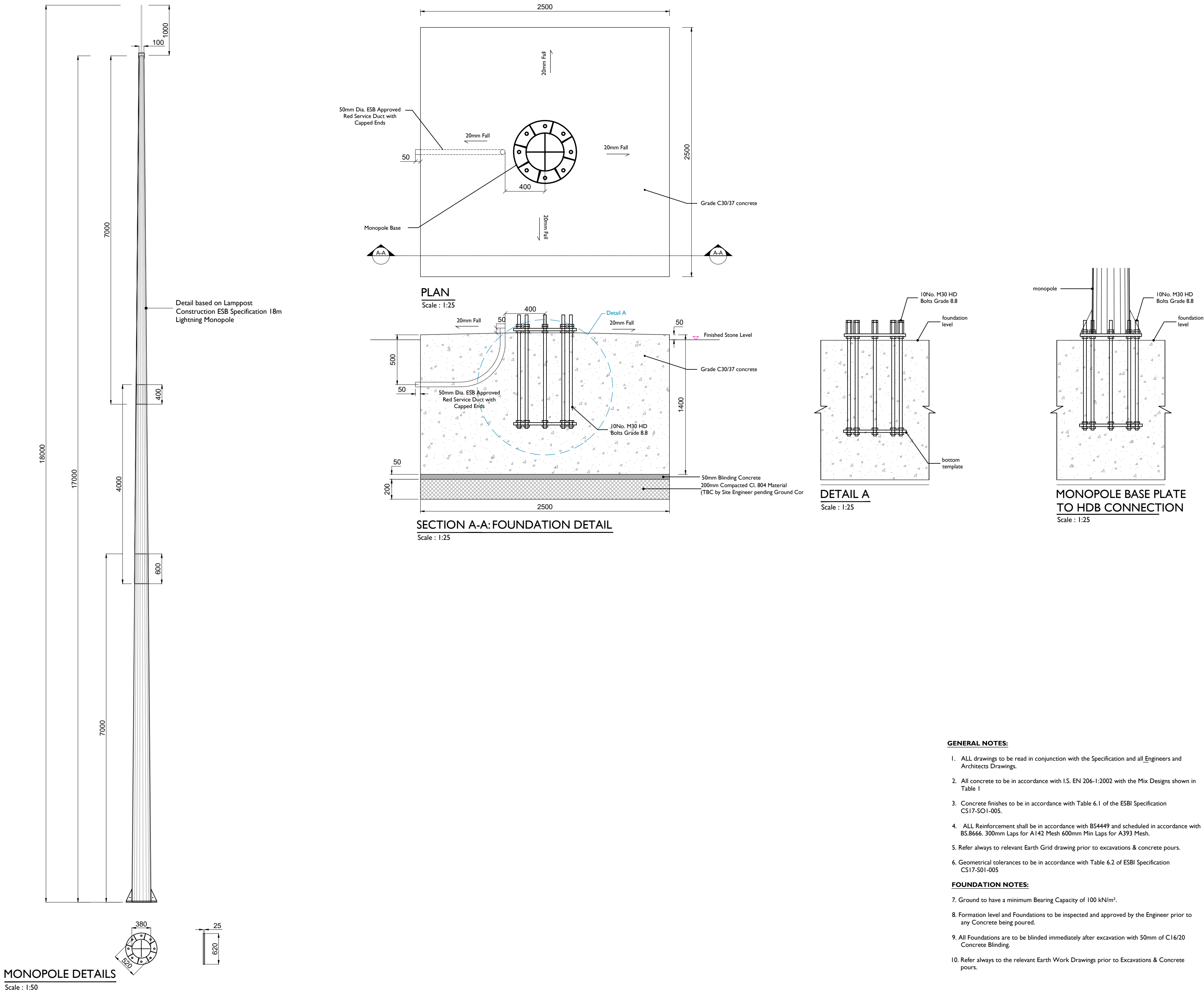
05-854

SHEET TITLE

Wind Farm Substation Drainage Details

SHEET NUMBER

05854-DR-237



- GENERAL NOTES:**
1. ALL drawings to be read in conjunction with the Specification and all Engineers and Architects Drawings.
 2. All concrete to be in accordance with I.S. EN 206-1:2002 with the Mix Designs shown in Table 1
 3. Concrete finishes to be in accordance with Table 6.1 of the ESB Specification CS17-SQ1-005.
 4. ALL Reinforcement shall be in accordance with BS4449 and scheduled in accordance with BS.8666. 300mm Laps for A142 Mesh 600mm Min Laps for A393 Mesh.
 5. Refer always to relevant Earth Grid drawing prior to excavations & concrete pours.
 6. Geometrical tolerances to be in accordance with Table 6.2 of ESB Specification CS17-SQ1-005
- FOUNDATION NOTES:**
7. Ground to have a minimum Bearing Capacity of 100 kN/m².
 8. Formation level and Foundations to be inspected and approved by the Engineer prior to any Concrete being poured.
 9. All Foundations are to be blinded immediately after excavation with 50mm of C16/20 Concrete Blinding.
 10. Refer always to the relevant Earth Work Drawings prior to Excavations & Concrete pours.

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PROJECT

Scart Mountain WF
110 kV Grid Connection

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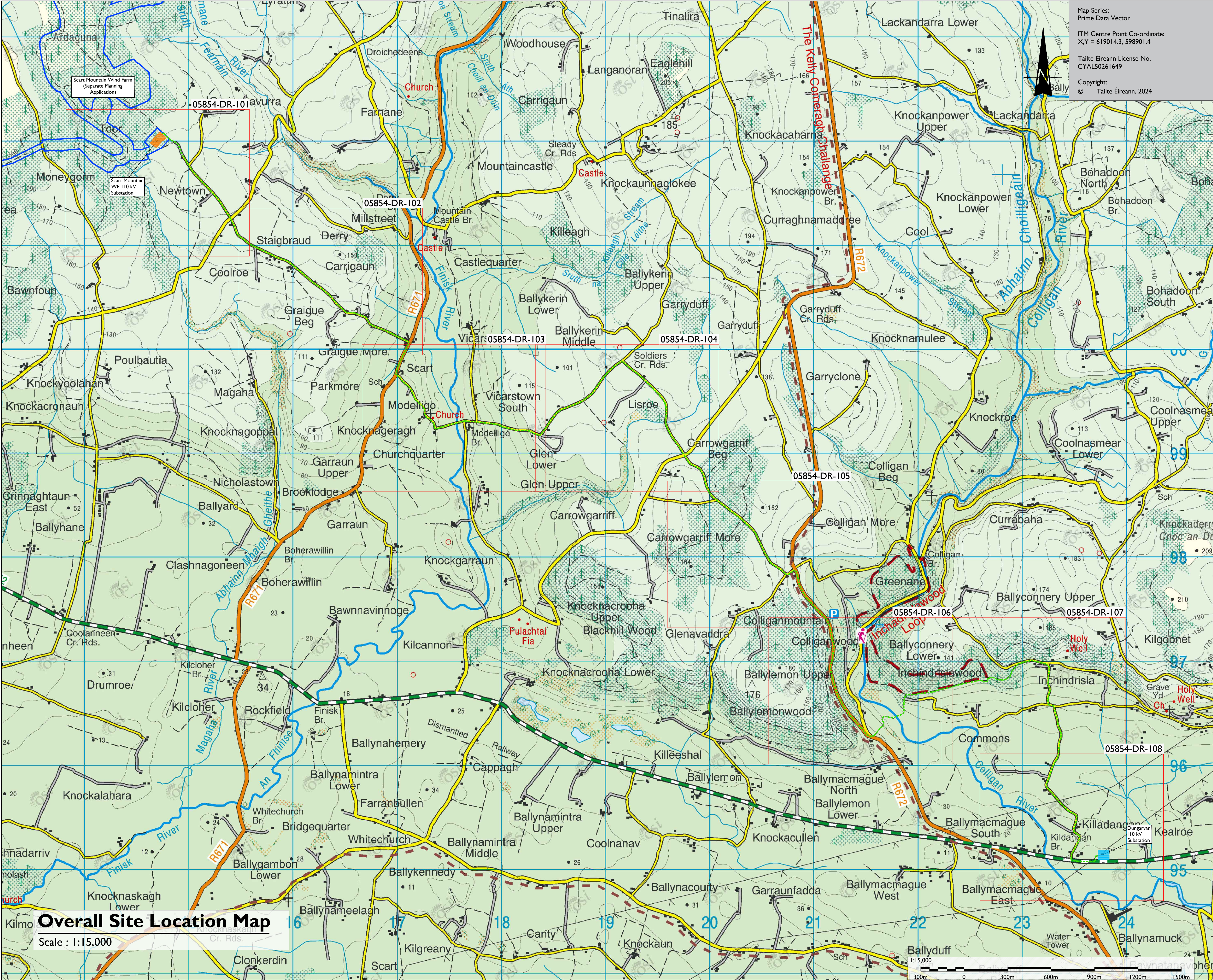
SHEET TITLE

Wind Farm Substation
Lightning Monopole Details (18m Mast)

SHEET NUMBER

05854-DR-238

ISO A1 594mm x 841mm
Project Management Initials: Designer: AR Checked: ST Approved: GH



Map Series:
Prime Data Vector

ITM Centre Point Co-ordinate:
X,Y = 619014.3, 598901.4

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PROJECT

Scart Mountain WF 110 kV Grid Connection

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 - Position of underground cable and location of joint bays, links boxes and comms chambers may vary depending on site conditions.
 - Position of link boxes and comms chambers is to be agreed onsite with EirGrid/ESB.
 - Other services may be encountered on the route.
 - Position of HDD launch/reception shown points are indicative only and will be subject to site investigation works and detailed design.
- LEGEND: -
- Proposed UGC: (15.5 km) ---
 - Scart Mountain Wind Farm Planning Boundaries shown thus ---
 - Dunganvar 110kV Substation shown thus □
 - Proposed 110kV Substation (Scart Mountain) shown thus □

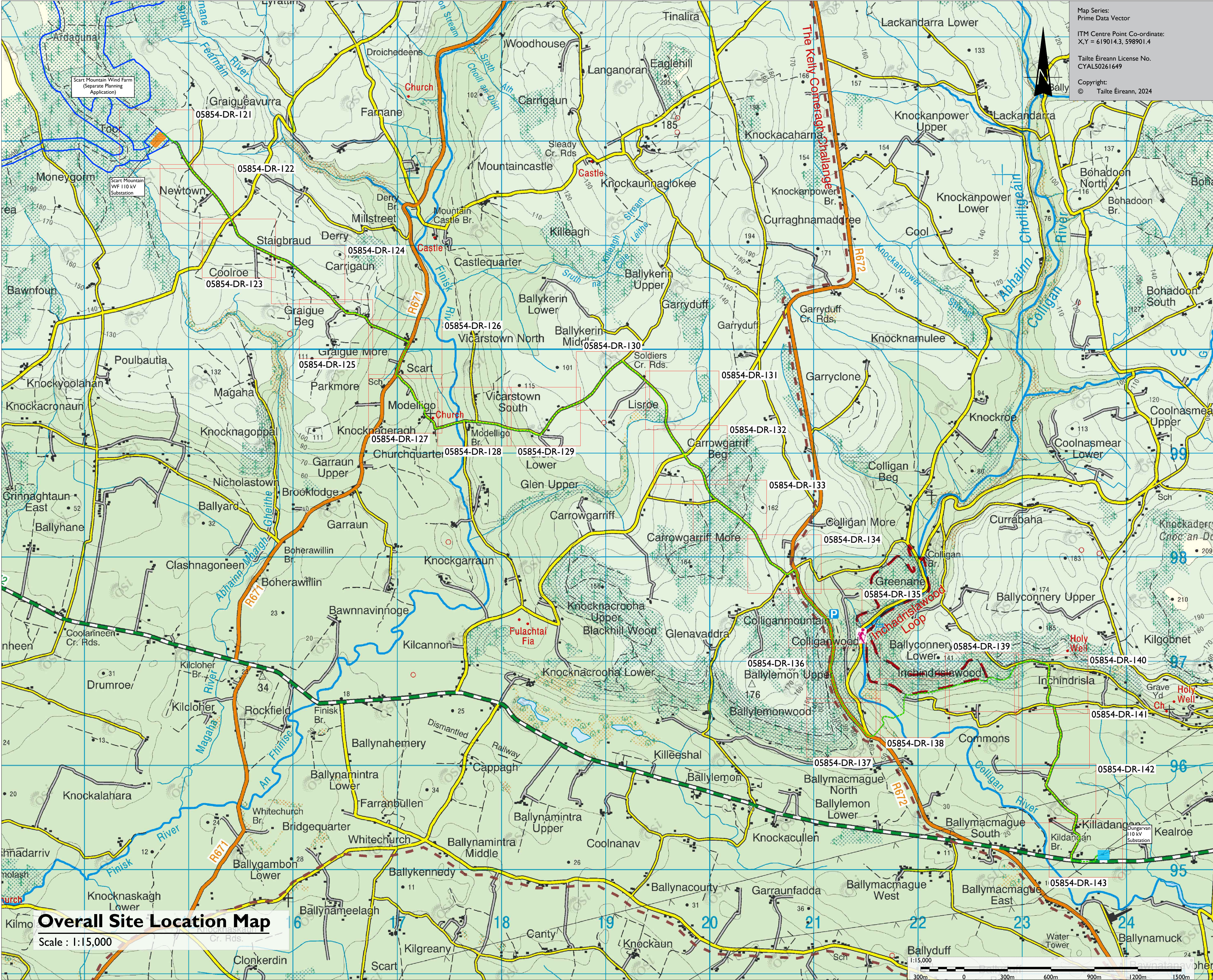
ISSUE/REVISION		
P04	17.12.2024	Wind Farm RLB Updated.
P03	26.11.2024	For Planning
P02	11.07.2024	For Planning
P01	31.05.2024	Revised Route + S/S Location
P00	03.11.2023	Issued For Planning
I/R	DATE	DESCRIPTION

PROJECT NUMBER
05-854

SHEET TITLE
Overall Site Location Map
Sheet 1 of 2

SHEET NUMBER
05854-DR-100A

ISO A1 594mm x 841mm
Project Management Initials: Designer: AR Checked: ST Approved: GH



Map Series:
Prime Data Vector

ITM Centre Point Co-ordinate:
X,Y = 619014.3, 598901.4

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PROJECT

Scart Mountain WF 110 kV Grid Connection

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 - Position of HDD launch/reception shown points are indicative only and will be subject to site investigation works and detailed design.
- LEGEND: -
- Proposed UGC: (15.5 km) ---
 - Scart Mountain Wind Farm Planning Boundaries shown thus ---
 - Dungarvan 110kV Substation shown thus □
 - Proposed 110kV Substation (Scart Mountain) shown thus □

ISSUE/REVISION		
P04	17.12.2024	Wind Farm RLB Updated.
P03	26.11.2024	For Planning
P02	11.07.2024	For Planning
P01	31.05.2024	Revised Route + S/S Location
P00	03.11.2023	Issued For Planning
I/R	DATE	DESCRIPTION

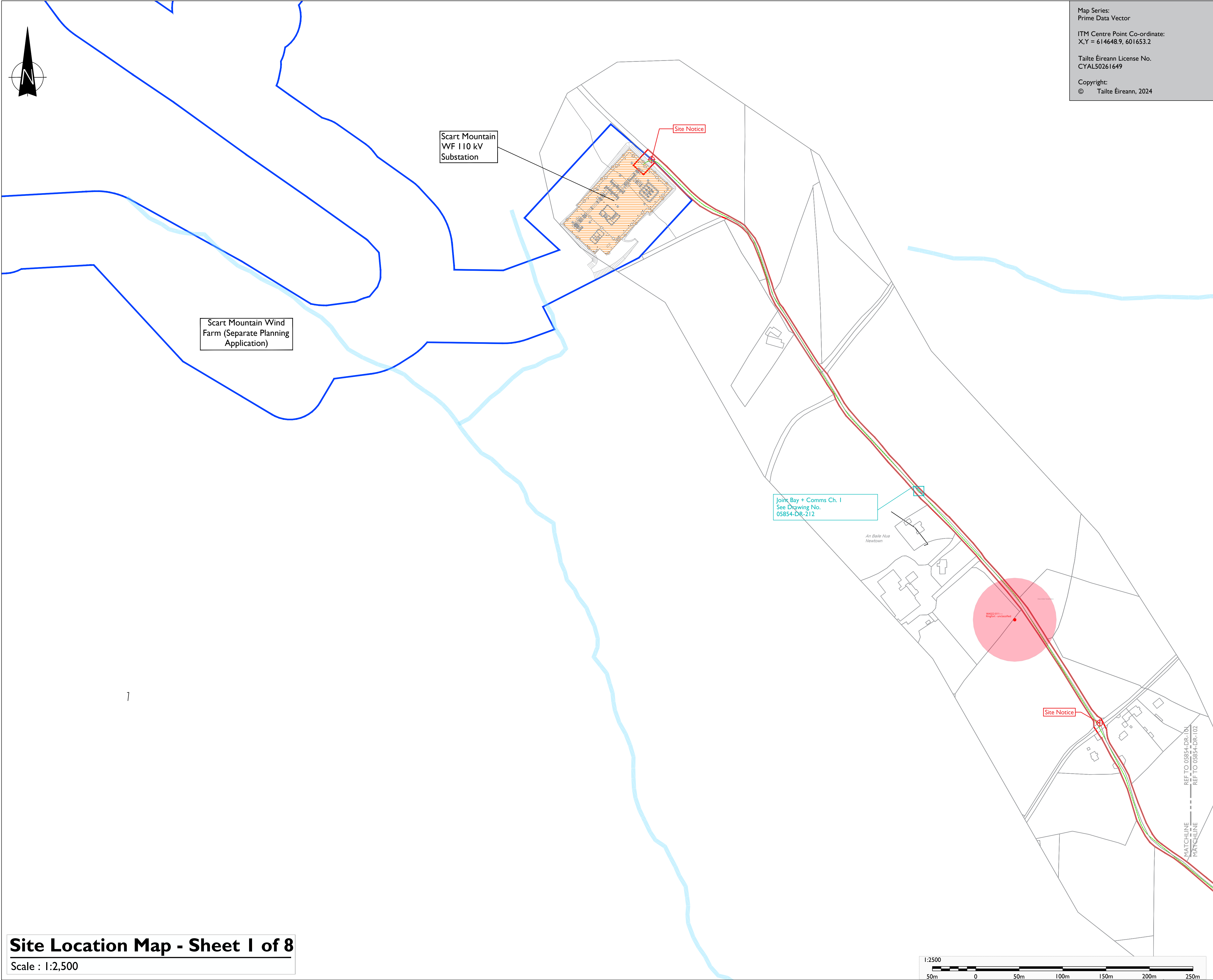
PROJECT NUMBER
05-854

SHEET TITLE
Overall Site Location Map
Sheet 2 of 2

SHEET NUMBER
05854-DR-100B

ISO A1 594mm x 841mm

Project Management Initials: Designer: AR Checked: ST Approved: GH



Map Series:
Prime Data Vector

ITM Centre Point Co-ordinate:
X,Y = 614648.9, 601653.2

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PROJECT

Scart Mountain WF 110 kV Grid Connection

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LEGEND: -

Proposed UGC: (15.5 km)	-----
Red Line Boundary	-----
Scart Mountain Wind Farm Planning Boundaries shown thus	-----
110 kV Joint Bay	-----
Existing Lake, River / Stream Network shown thus	-----
Recorded Monuments & associated Zone of Notification denoted thus	-----
Site Notice shown thus	-----

ISSUE/REVISION		
P04	17.12.2024	Wind Farm RLB Updated.
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P02	11.07.2024	For Planning
P01	31.05.2024	Revised Route + S/S Location
P00	03.11.2023	Issued For Planning
I/R	DATE	DESCRIPTION

PROJECT NUMBER

05-854

SHEET TITLE

Site Location Map Plan
Sheet 1 of 8

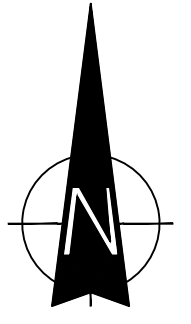
SHEET NUMBER

05854-DR-101

ISO A1 594mm x 841mm

Project Management Initials: Designer: AR Checked: ST Approved: GH





Map Series:
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ITM Centre Point Co-ordinate:
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PROJECT

Scart Mountain WF

110 kV Grid Connection

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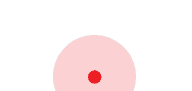


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 - Position of HDD launch/reception shown points are indicative only and will be subject to site investigation works and detailed design.

LEGEND: -

Proposed UGC: (15.5 km)	
Red Line Boundary	
110 kV Joint Bay	
Existing Lake, River / Stream Network shown thus	
Recorded Monuments & associated Zone of Notification denoted thus	
Site Notice shown thus	

ISSUE/REVISION		
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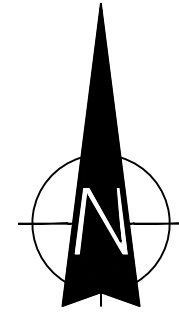
05-854

SHEET TITLE

Site Location Map Plan
Sheet 2 of 8

SHEET NUMBER

05854-DR-102



MATCHLINE REF TO 05854-DR-102
MATCHLINE REF TO 05854-DR-103

An Scairt
(Hely)
Scart (hely)

Joint Bay + Comms Ch. 5
See Drawing No.
05854-DR-212

~~An Scairt
(Sergeant)
Scart (sergeant,~~

Joint Bay + Comms Ch. 6
See Drawing No.
05854-DR-212

Map Series:
Prime Data Vector

ITM Centre Point Co-ordinate:
X,Y = 617492.6, 599396.9

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PROJECT

Scart Mountain WF 110 kV Grid Connection

CLIENT

FuturEnergy Ireland

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- Position of HDD launch/reception shown points are indicative only and will be subject to site investigation works and detailed design.

LEGEND: -

Proposed UGC: (15.5 km)

Red Line Boundary

110 kV Joint Bay

Existing Lake, River / Stream Network
shown thus

Recorded Monuments & associated Zone of Notification denoted thus

Site Notice shown thus

ISSUE/REVISION

P04	17.12.2024	Wind Farm RLB Updated.
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I/R	DATE	DESCRIPTION

PROJECT NUMBER

05-854

SHEET TITLE

Site Location Map Plan
Sheet 3 of 8

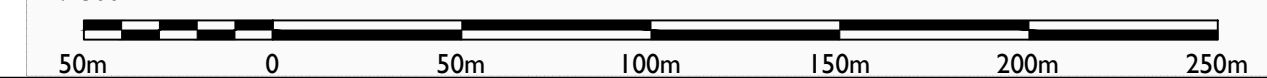
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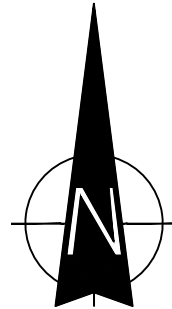
05854-DR-103

Site Location Map - Sheet 3 of 8

Scale : 1:2,500

1:2500





Map Series:
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ITM Centre Point Co-ordinate:
X,Y = 619153.5, 599396.9

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PROJECT

Scart Mountain WF 110 kV Grid Connection

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- Position of HDD launch/reception shown points are indicative only and will be subject to site investigation works and detailed design.

LEGEND: -

Proposed UGC: (15.5 km)

Red Line Boundary

110 kV Joint Bay

Existing Lake, River / Stream Network
shown thus

Recorded Monuments & associated Zone of Notification denoted thus

Site Notice shown thus

ISSUE/REVISION

P04	17.12.2024	Wind Farm RLB Updated.
P03	26.11.2024	For Planning
P02	11.07.2024	For Planning
P01	31.05.2024	Revised Route + S/S Location
P00	03.11.2023	Issued For Planning
I/R	DATE	DESCRIPTION

PROJECT NUMBER

05-854

SHEET TITLE

Site Location Map Plan
Sheet 4 of 8

SHEET NUMBER

05854-DR-104

Site Location Map - Sheet 4 of 8

Scale : 1:2,500

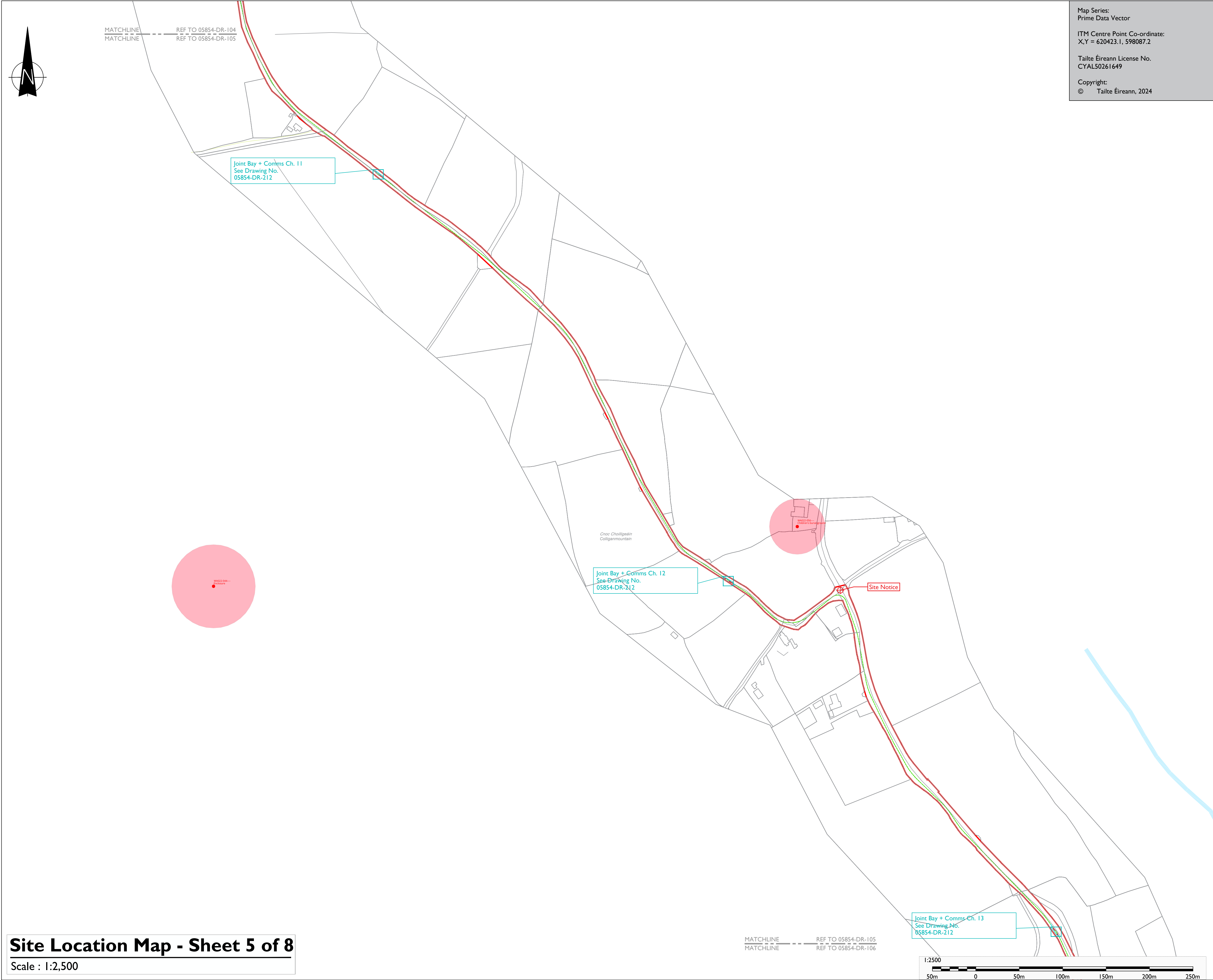
Project Management Initials: Designer: AR Checked: ST Approved: GH

1:2500

50m 0 50m 100m 150m 200m 250m

ISO A1 594mm x 841mm

Project Management Initials: Designer: AR Checked: ST Approved: GH



Map Series:
Prime Data Vector

ITM Centre Point Co-ordinate:
X,Y = 620423.1, 598087.2

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PROJECT

Scart Mountain WF

110 kV Grid Connection

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- LEGEND: -
- Proposed UGC: (15.5 km) -----
- Red Line Boundary -----
- 110 kV Joint Bay -----
- Existing Lake, River / Stream Network shown thus -----
- Recorded Monuments & associated Zone of Notification denoted thus ●
- Site Notice shown thus ⊕

ISSUE/REVISION		
P04	17.12.2024	Wind Farm RLB Updated.
P03	26.11.2024	For Planning
P02	11.07.2024	For Planning
P01	31.05.2024	Revised Route + S/S Location
P00	03.11.2023	Issued For Planning
I/R	DATE	DESCRIPTION

PROJECT NUMBER

05-854

SHEET TITLE

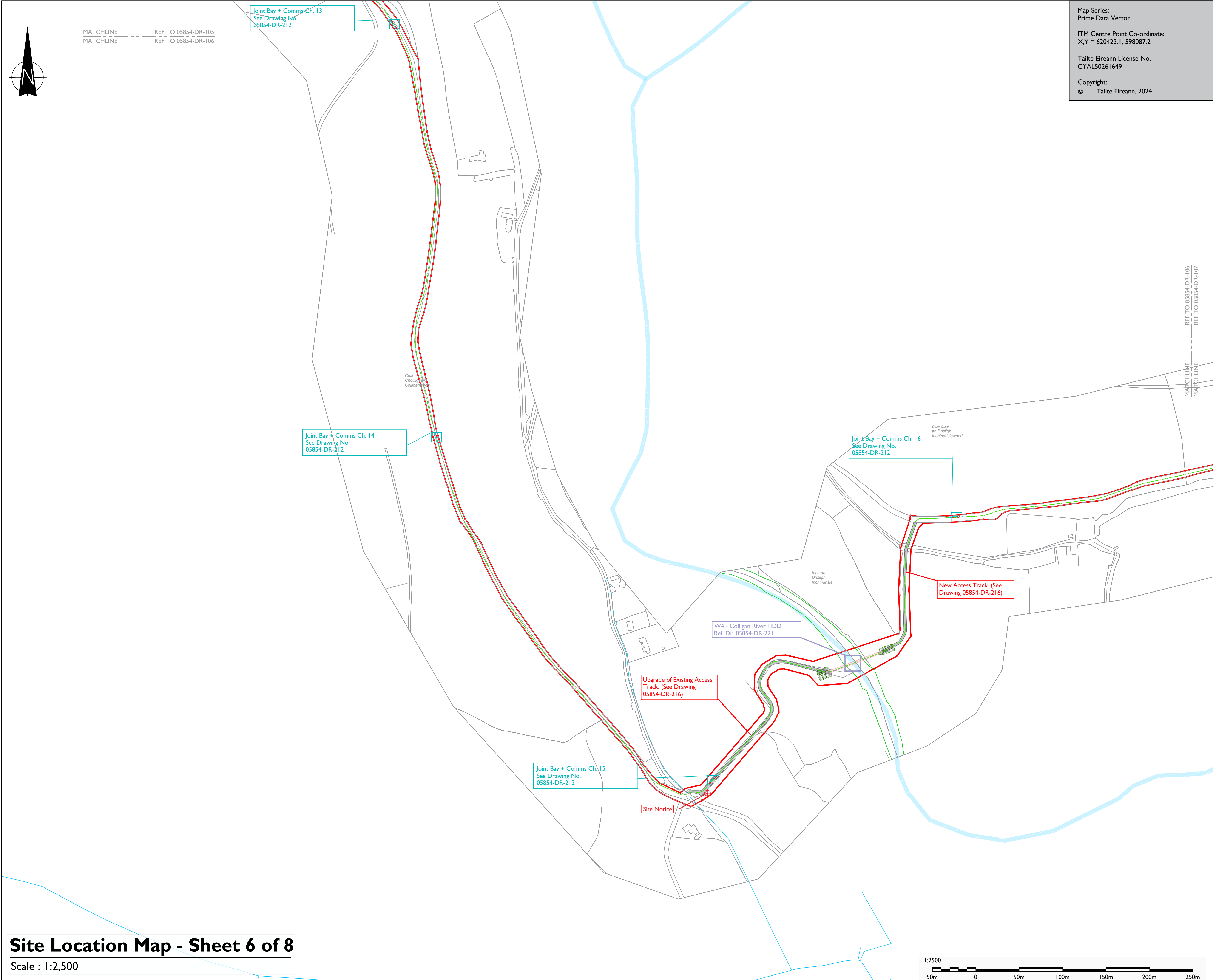
Site Location Map Plan
Sheet 5 of 8

SHEET NUMBER

05854-DR-105

ISO A1 594mm x 841mm

Project Management Initials: Designer: AR Checked: ST Approved: GH



Map Series:
Prime Data Vector

ITM Centre Point Co-ordinate:
X,Y = 620423.1, 598087.2

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PROJECT

Scart Mountain WF

110 kV Grid Connection

CLIENT

Ireland
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CONSULTANTS

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CONSULTING ENGINEERS

- NOTES: -
- This drawing is to be used only for the purpose of the planning application and is subject to detailed design.
 - Position of underground cable and location of joint bays, links boxes and comms chambers may vary depending on site conditions.
 - Position of link boxes and comms chambers is to be agreed onsite with EirGrid/ESB.
 - Other services may be encountered on the route.
 - Position of HDD launch/reception shown points are indicative only and will be subject to site investigation works and detailed design.

- LEGEND: -
- Proposed UGC: (15.5 km) 
- Red Line Boundary 
- 110 kV Joint Bay 
- Existing Lake, River / Stream Network shown thus 
- Proposed Access Road shown thus 
- Site Notice shown thus 

ISSUE/REVISION		
P04	17.12.2024	Wind Farm RLB Updated.
P03	26.11.2024	For Planning
P02	11.07.2024	For Planning
P01	31.05.2024	Revised Route + S/S Location
P00	03.11.2023	Issued For Planning
I/R	DATE	DESCRIPTION

PROJECT NUMBER

05-854

SHEET TITLE

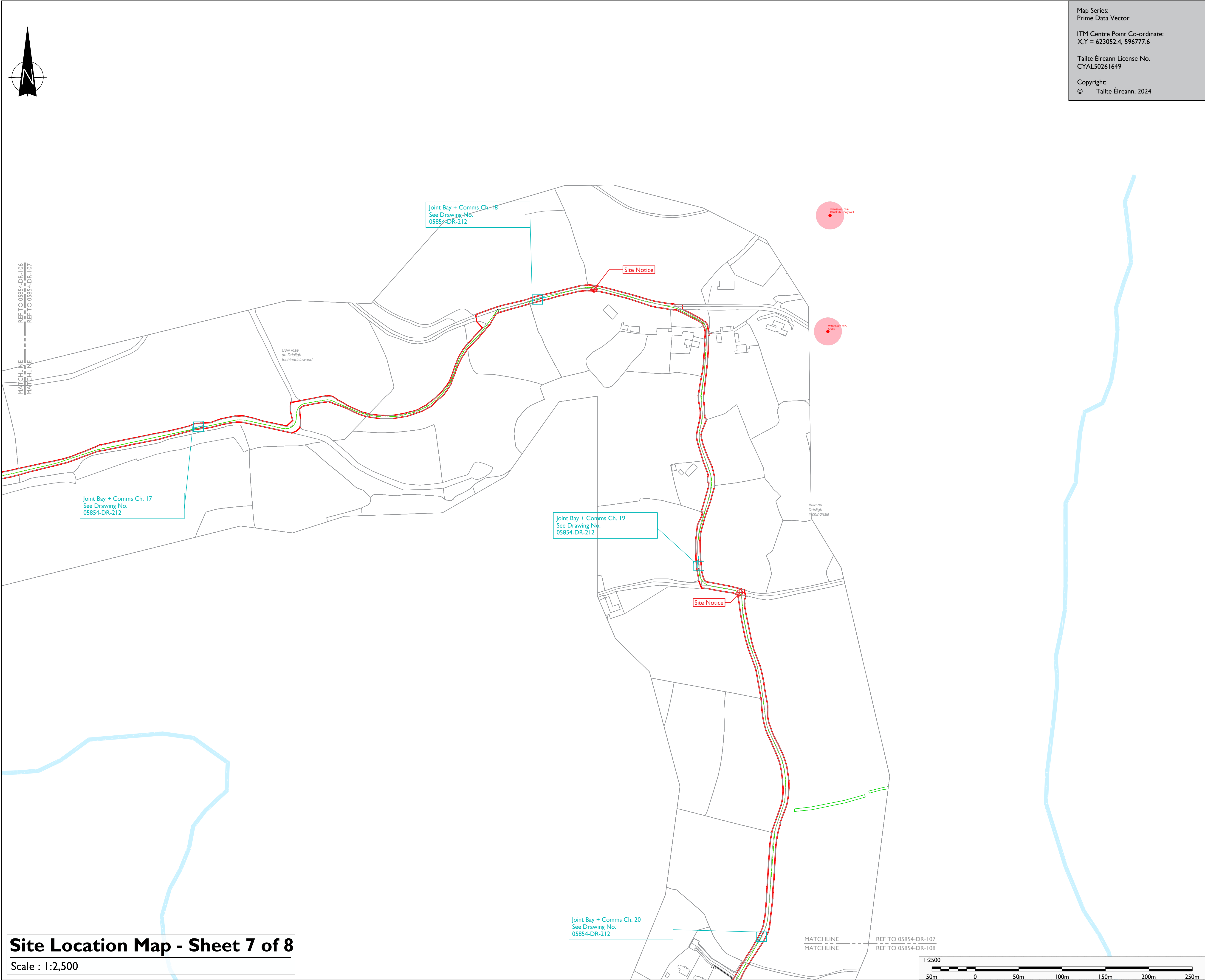
Site Location Map Plan
Sheet 6 of 8

SHEET NUMBER

05854-DR-106

ISO A1 594mm x 841mm

Project Management Initials: Designer: AR Checked: ST Approved: GH



Map Series:
Prime Data Vector

ITM Centre Point Co-ordinate:
X,Y = 623052.4, 596777.6

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PROJECT

Scart Mountain WF

I 10 kV Grid Connection

CLIENT



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- NOTES: -
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 - Position of underground cable and location of joint bays, links boxes and comms chambers may vary depending on site conditions.
 - Position of link boxes and comms chambers is to be agreed onsite with EirGrid/ESB.
 - Other services may be encountered on the route.
 - Position of HDD launch/reception shown points are indicative only and will be subject to site investigation works and detailed design.

LEGEND: -

Proposed UGC: (15.5 km)	
Red Line Boundary	
I 10 kV Joint Bay	
Existing Lake, River / Stream Network shown thus	
Recorded Monuments & associated Zone of Notification denoted thus	
Site Notice shown thus	

ISSUE/REVISION		
P04	17.12.2024	Wind Farm RLB Updated.
P03	26.11.2024	For Planning
P02	11.07.2024	For Planning
P01	31.05.2024	Revised Route + S/S Location
P00	03.11.2023	Issued For Planning
I/R	DATE	DESCRIPTION

PROJECT NUMBER

05-854

SHEET TITLE

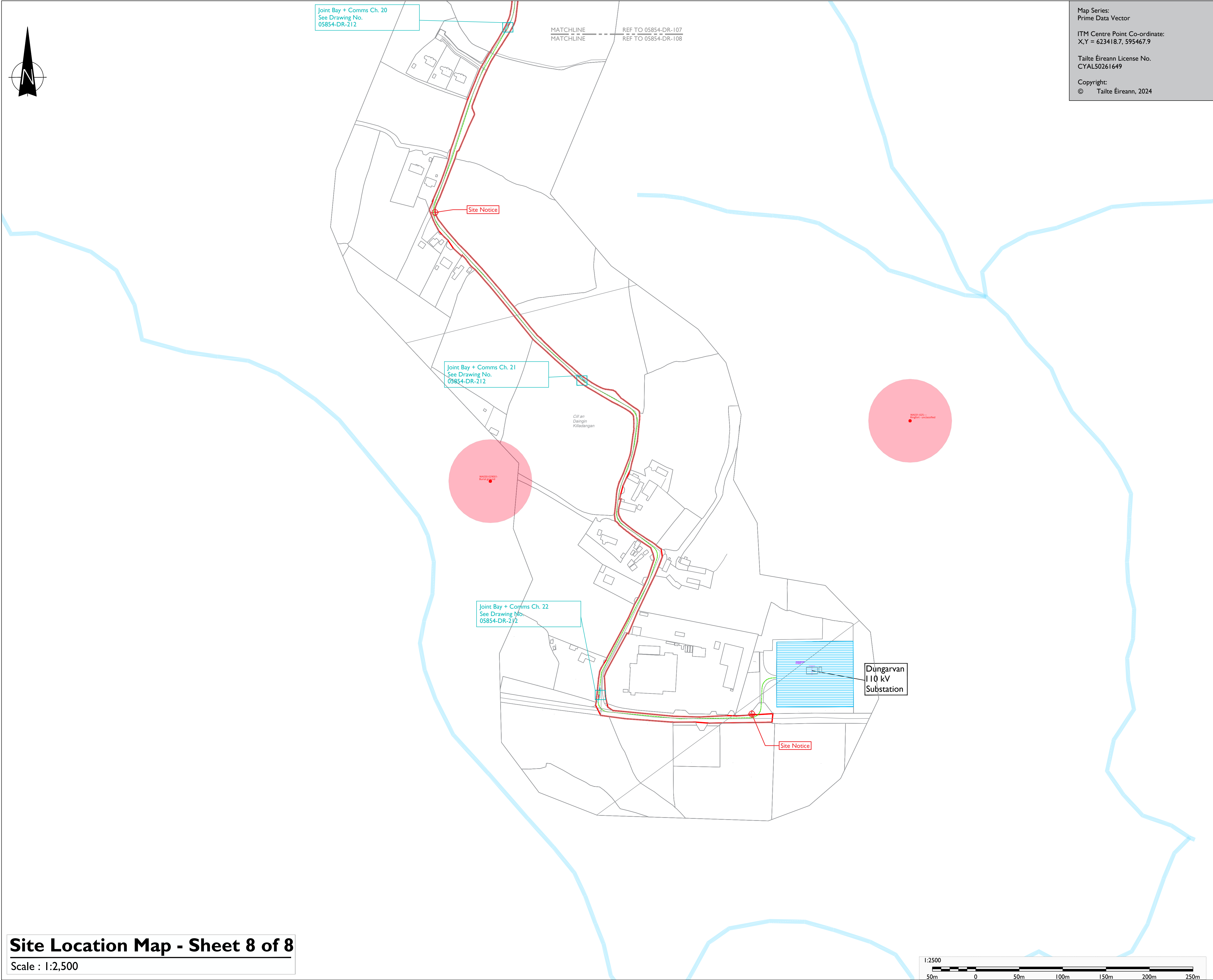
Site Location Map Plan
Sheet 7 of 8

SHEET NUMBER

05854-DR-107

ISO A1 594mm x 841mm

Project Management Initials: Designer: AR Checked: ST Approved: GH



Map Series:
Prime Data Vector

ITM Centre Point Co-ordinate:
X,Y = 623418.7, 595467.9

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PROJECT

Scart Mountain WF

110 kV Grid Connection

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- NOTES: -
- This drawing is to be used only for the purpose of the planning application and is subject to detailed design.
 - Position of underground cable and location of joint bays, links boxes and comms chambers may vary depending on site conditions.
 - Position of link boxes and comms chambers is to be agreed onsite with EirGrid/ESB.
 - Other services may be encountered on the route.
 - Position of HDD launch/reception shown points are indicative only and will be subject to site investigation works and detailed design.

- LEGEND: -
- Proposed UGC: (15.5 km) 
- Red Line Boundary 
- 110 kV Joint Bay 
- Existing Lake, River / Stream Network shown thus 
- Existing ESB OHL 110kV & 38kV Network shown thus 
- Recorded Monuments & associated Zone of Notification denoted thus 
- Proposed Access Road shown thus 
- Site Notice shown thus 

ISSUE/REVISION		
P04	17.12.2024	Wind Farm RLB Updated.
P03	26.11.2024	For Planning
P02	11.07.2024	For Planning
P01	31.05.2024	Revised Route + S/S Location
P00	03.11.2023	Issued For Planning
I/R	DATE	DESCRIPTION

PROJECT NUMBER

05-854

SHEET TITLE

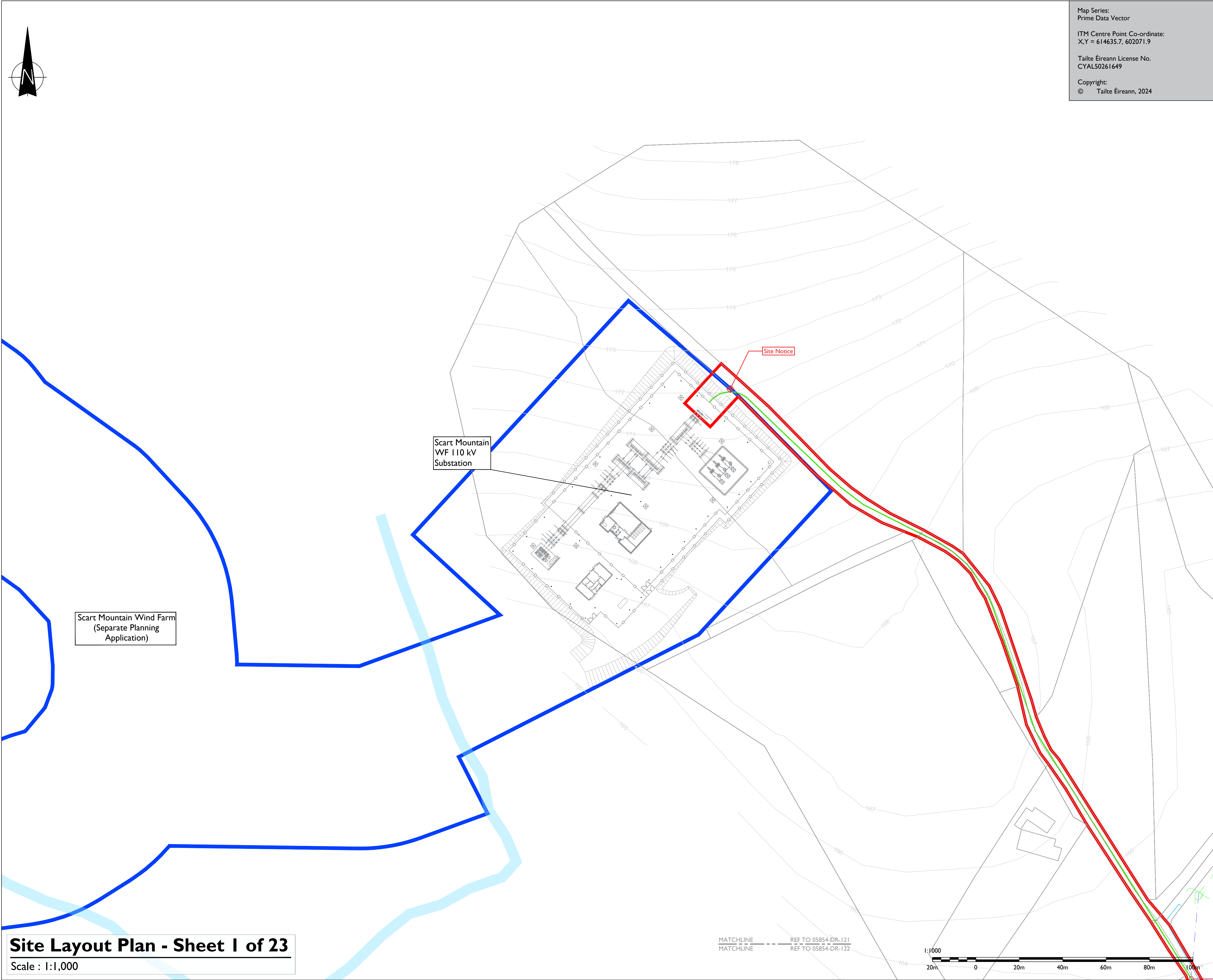
Site Location Map Plan
Sheet 8 of 8

SHEET NUMBER

05854-DR-108

ISO A1 594mm x 841mm

Project Management Initials: Designer: AR Checked: ST Approved: GH



Map Series:
Prime Data Vector

ITM Centre Point Co-ordinate:
X,Y = 614635.7, 602071.9

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PROJECT

Scart Mountain WF

I 10 kV Grid Connection

CLIENT

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- NOTES: -
- This drawing is to be used only for the purpose of the planning application and is subject to detailed design.
 - Position of underground cable and location of joint bays, links boxes and comms chambers may vary depending on site conditions.
 - Position of link boxes and comms chambers is to be agreed onsite with EirGrid/ESB.
 - Other services may be encountered on the route.
 - Position of HDD launch/reception shown points are indicative only and will be subject to site investigation works and detailed design.

- LEGEND: -
- Proposed UGC: (15.5 km)
- Red Line Boundary
- Existing Lake, River / Stream Network shown thus
- Scart Mountain Wind Farm Planning Boundaries shown thus
- Contours
- Site Notice shown thus

ISSUE/REVISION		
P04	17.12.2024	Wind Farm RLB Updated.
P03	26.11.2024	For Planning
P02	11.07.2024	For Planning
P01	31.05.2024	Revised Route + S/S Location
P00	03.11.2023	Issued For Planning
I/R	DATE	DESCRIPTION

PROJECT NUMBER

05-854

SHEET TITLE

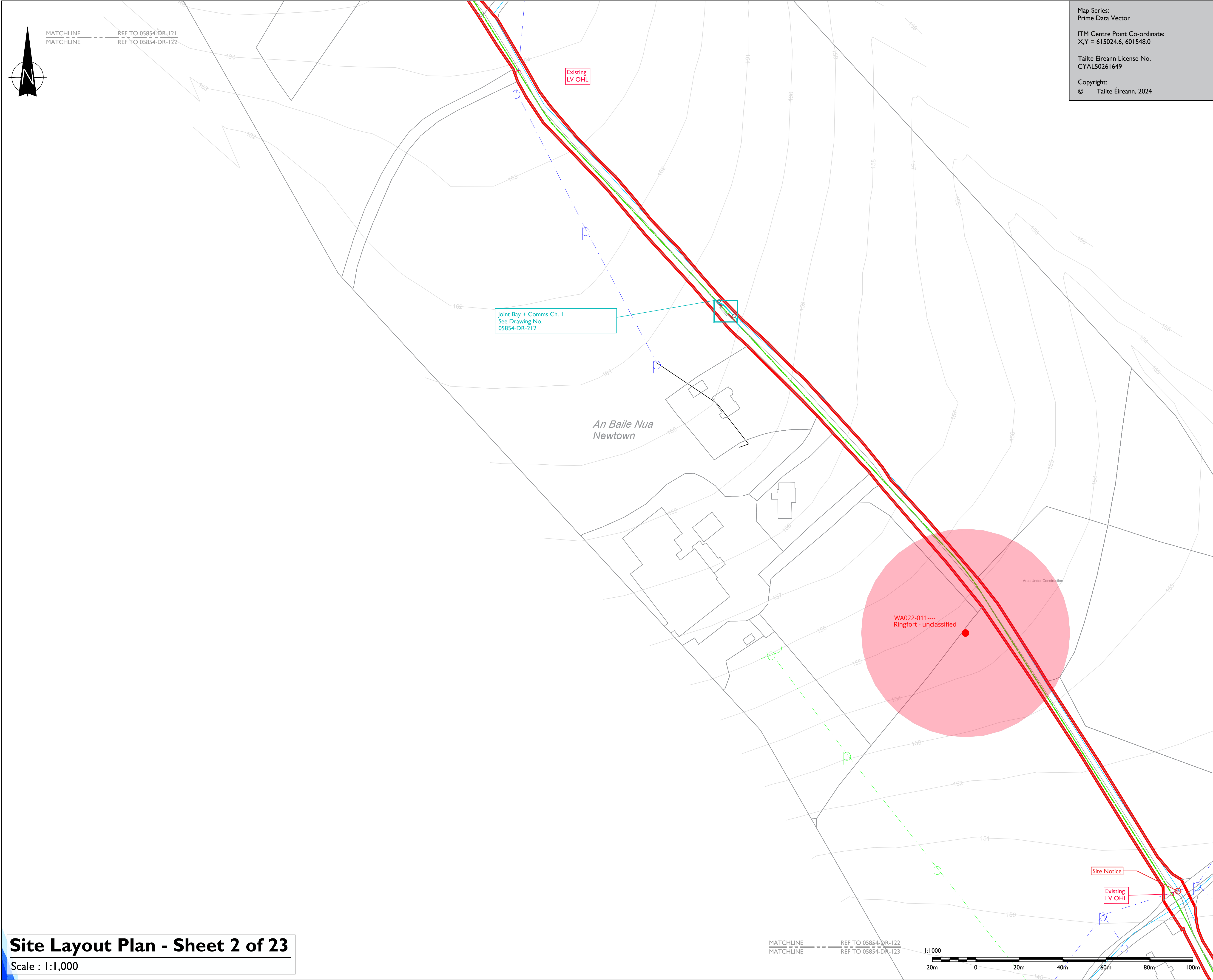
Site Layout Plan
Sheet 1 of 23

SHEET NUMBER

05854-DR-121

ISO A1 594mm x 841mm

Project Management Initials: Designer: AR Checked: ST Approved: GH



Map Series:
Prime Data Vector

ITM Centre Point Co-ordinate:
X,Y = 615024.6, 601548.0

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PROJECT

Scart Mountain WF

110 kV Grid Connection



- NOTES: -
- This drawing is to be used only for the purpose of the planning application and is subject to detailed design.
 - Position of underground cable and location of joint bays, links boxes and comms chambers may vary depending on site conditions.
 - Position of link boxes and comms chambers is to be agreed onsite with EirGrid/ESB.
 - Other services may be encountered on the route.
 - Position of HDD launch/reception shown points are indicative only and will be subject to site investigation works and detailed design.

LEGEND: -

Proposed UGC: (15.5 km) -----

Red Line Boundary -----

110 kV Joint Bay

Contours

Existing Lake, River / Stream Network shown thus -----

Existing ESB LV/MV Networks shown thus -----

Existing ESB UG LV/MV Networks shown thus -----

Existing Irish Water Network shown thus -----

Recorded Monuments & associated Zone of Notification denoted thus

Site Notice shown thus

ISSUE/REVISION		
P04	17.12.2024	Wind Farm RLB Updated.
P03	26.11.2024	For Planning
P02	11.07.2024	For Planning
P01	31.05.2024	Revised Route + S/S Location
P00	03.11.2023	Issued For Planning
I/R	DATE	DESCRIPTION

PROJECT NUMBER

05-854

SHEET TITLE

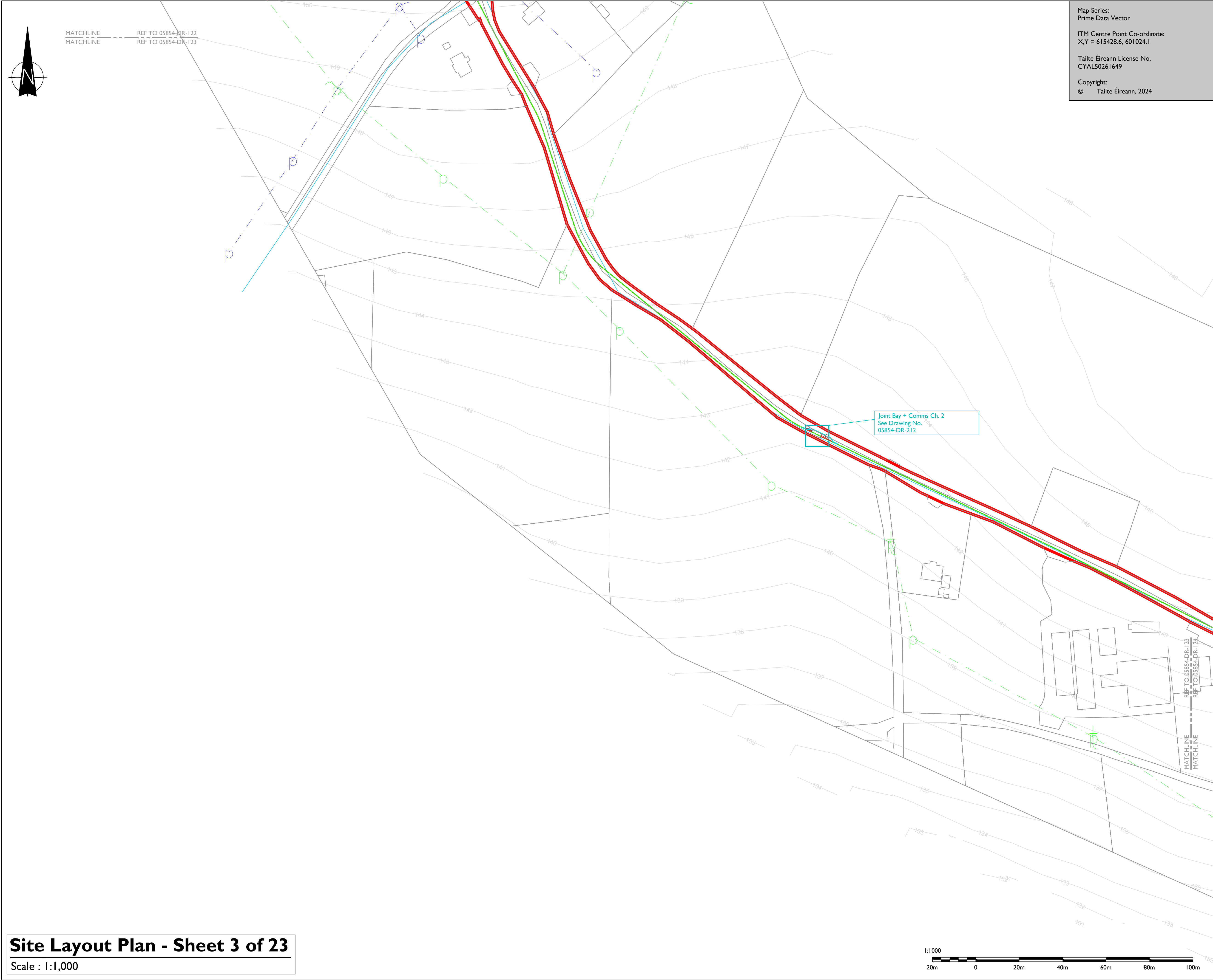
Site Layout Plan
Sheet 2 of 23

SHEET NUMBER

05854-DR-122

ISO A1 594mm x 841mm

Project Management Initials: Designer: AR Checked: ST Approved: GH



Map Series:
Prime Data Vector

ITM Centre Point Co-ordinate:
X,Y = 615428.6, 601024.1

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PROJECT

Scart Mountain WF

110 kV Grid Connection



- NOTES: -
- This drawing is to be used only for the purpose of the planning application and is subject to detailed design.
 - Position of underground cable and location of joint bays, links boxes and comms chambers may vary depending on site conditions.
 - Position of link boxes and comms chambers is to be agreed onsite with EirGrid/ESB.
 - Other services may be encountered on the route.
 - Position of HDD launch/reception shown points are indicative only and will be subject to site investigation works and detailed design.

- LEGEND: -
- Proposed UGC: (15.5 km) -----
- Red Line Boundary -----
- 110 kV Joint Bay
- Contours -----
- Existing Lake, River / Stream Network shown thus -----
- Existing ESB LV/MV Networks shown thus -----
- Existing ESB UG LV/MV Networks shown thus -----
- Existing Irish Water Network shown thus -----

ISSUE/REVISION		
P04	17.12.2024	Wind Farm RLB Updated.
P03	26.11.2024	For Planning
P02	11.07.2024	For Planning
P01	31.05.2024	Revised Route + S/S Location
P00	03.11.2023	Issued For Planning
I/R	DATE	DESCRIPTION

PROJECT NUMBER

05-854

SHEET TITLE

Site Layout Plan
Sheet 3 of 23

SHEET NUMBER

05854-DR-123

ISO A1 594mm x 841mm

Project Management Initials: Designer: AR Checked: ST Approved: GH



Map Series:
Prime Data Vector

ITM Centre Point Co-ordinate:
X,Y = 616092.9,600773.7

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PROJECT

Scart Mountain WF

110 kV Grid Connection

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- NOTES: -
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 - Position of underground cable and location of joint bays, links boxes and comms chambers may vary depending on site conditions.
 - Position of link boxes and comms chambers is to be agreed onsite with EirGrid/ESB.
 - Other services may be encountered on the route.
 - Position of HDD launch/reception shown points are indicative only and will be subject to site investigation works and detailed design.

LEGEND: -

Proposed UGC: (15.5 km)	-----
Red Line Boundary	-----
110 kV Joint Bay	
Contours	
Existing Lake, River / Stream Network shown thus	
Existing ESB LV/MV Networks shown thus	
Existing ESB UG LV/MV Networks shown thus	
Existing Irish Water Network shown thus	

ISSUE/REVISION		
P04	17.12.2024	Wind Farm RLB Updated.
P03	26.11.2024	For Planning
P02	11.07.2024	For Planning
P01	31.05.2024	Revised Route + S/S Location
P00	03.11.2023	Issued For Planning
I/R	DATE	DESCRIPTION

PROJECT NUMBER

05-854

SHEET TITLE

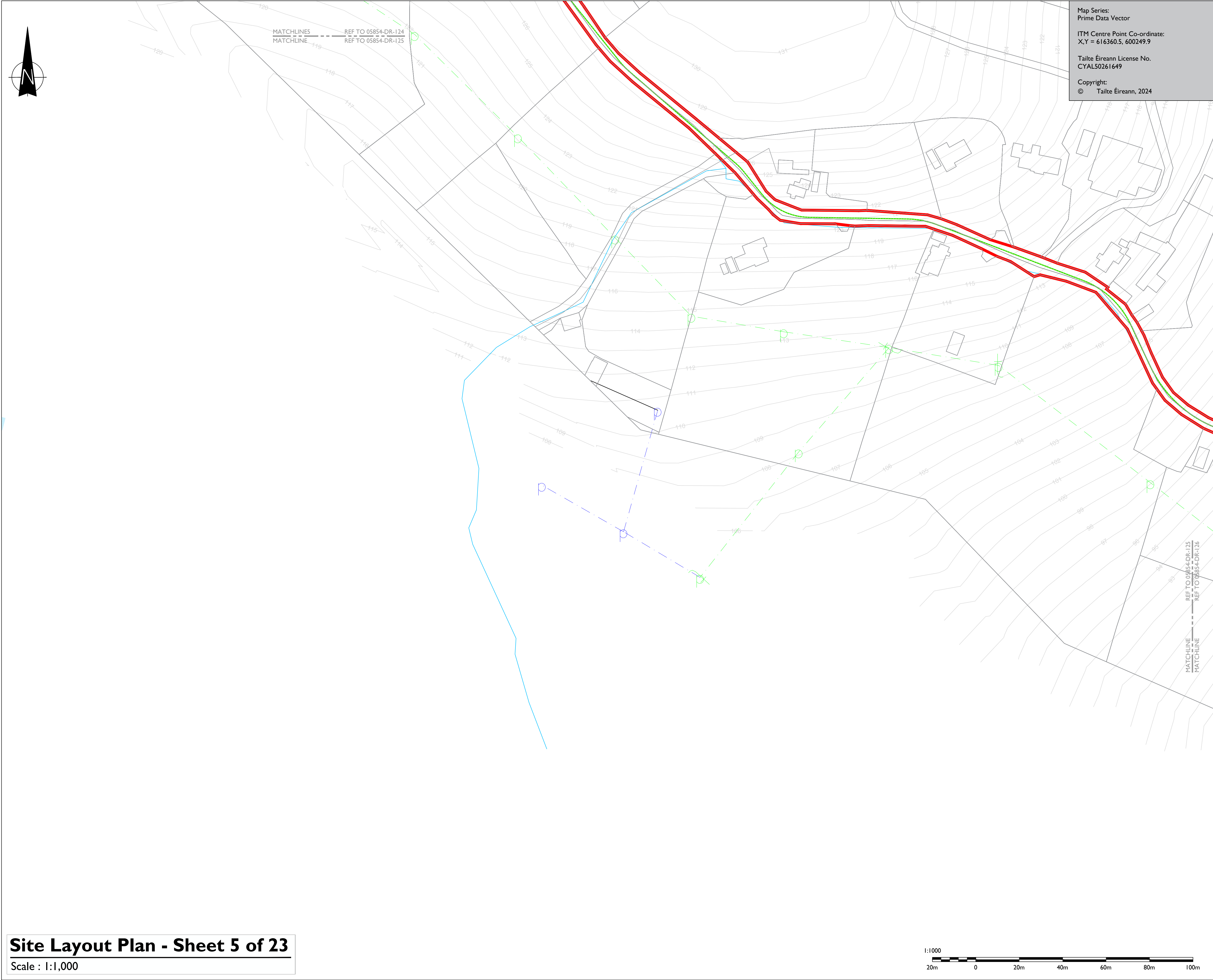
Site Layout Plan
Sheet 4 of 23

SHEET NUMBER

05854-DR-124

ISO A1 594mm x 841mm

Project Management Initials: Designer: AR Checked: ST Approved: GH



Map Series:
Prime Data Vector

ITM Centre Point Co-ordinate:
X,Y = 616360.5, 600249.9

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PROJECT

Scart Mountain WF

110 kV Grid Connection

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CONSULTANTS

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CONSULTING ENGINEERS

- NOTES: -
- This drawing is to be used only for the purpose of the planning application and is subject to detailed design.
 - Position of underground cable and location of joint bays, links boxes and comms chambers may vary depending on site conditions.
 - Position of link boxes and comms chambers is to be agreed onsite with EirGrid/ESB.
 - Other services may be encountered on the route.
 - Position of HDD launch/reception shown points are indicative only and will be subject to site investigation works and detailed design.

LEGEND: -

Proposed UGC: (15.5 km)	-----
Red Line Boundary	-----
110 kV Joint Bay	-----
Contours	-----
Existing Lake, River / Stream Network shown thus	-----
Existing ESU LV/MV Networks shown thus	-----
Existing ESU UG LV/MV Networks shown thus	-----
Existing Irish Water Network shown thus	-----

ISSUE/REVISION

P04	17.12.2024	Wind Farm RLB Updated.
P03	26.11.2024	For Planning
P02	11.07.2024	For Planning
P01	31.05.2024	Revised Route + S/S Location
P00	03.11.2023	Issued For Planning
I/R	DATE	DESCRIPTION

PROJECT NUMBER

05-854

SHEET TITLE

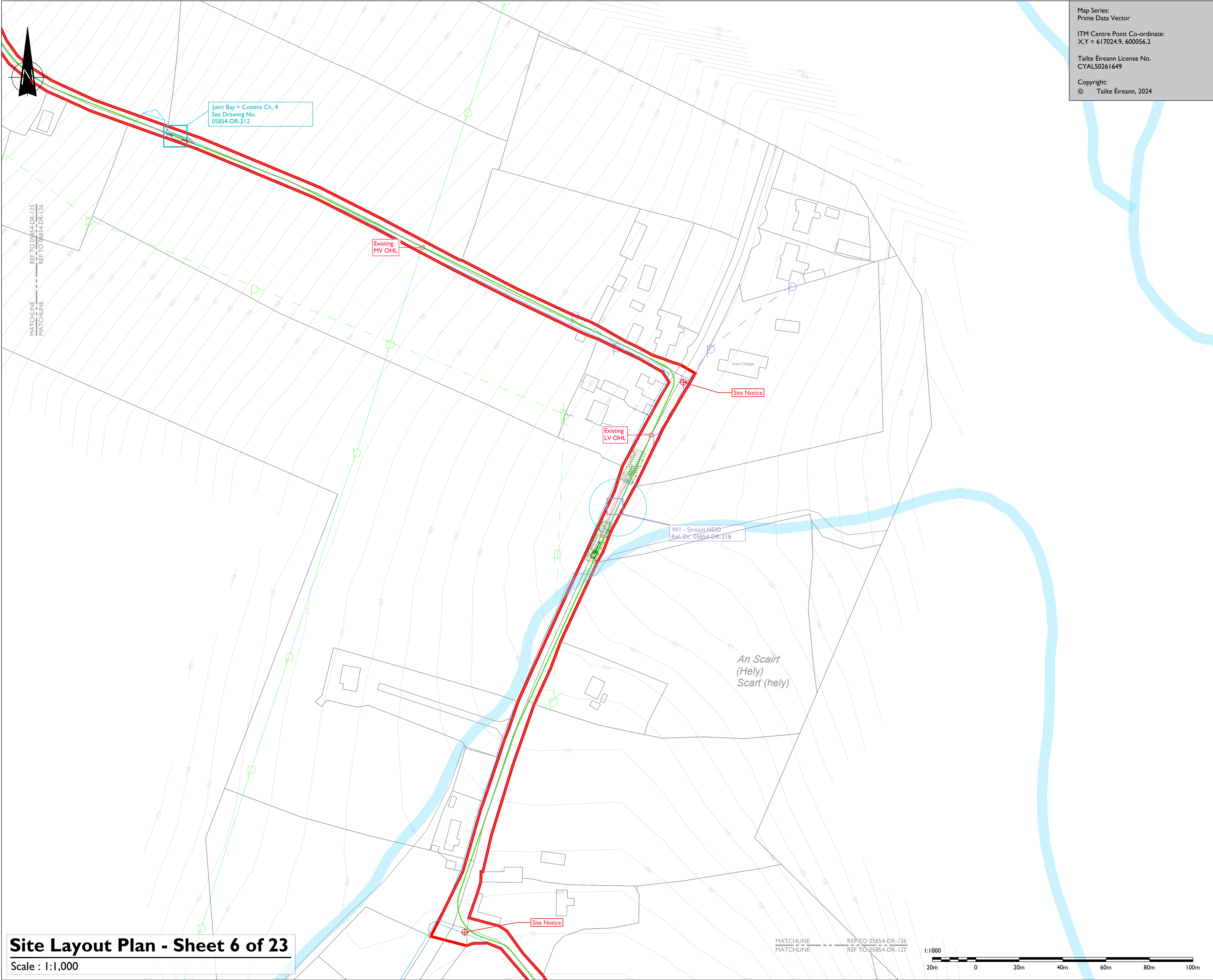
Site Layout Plan
Sheet 5 of 23

SHEET NUMBER

05854-DR-125

ISO A1 594mm x 841mm

Project Management Initials: Designer: AR Checked: ST Approved: GH



Map Series:
Prime Data Vector

ITM Centre Point Co-ordinate:
X,Y = 617024.9, 600056.2

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PROJECT

Scart Mountain WF

110 kV Grid Connection

CLIENT

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- NOTES: -
- This drawing is to be used only for the purpose of the planning application and is subject to detailed design.
 - Position of underground cable and location of joint bays, links boxes and comms chambers may vary depending on site conditions.
 - Position of link boxes and comms chambers is to be agreed onsite with EirGrid/ESB.
 - Other services may be encountered on the route.
 - Position of HDD launch/reception shown points are indicative only and will be subject to site investigation works and detailed design.

LEGEND: -

Proposed UGC: (15.5 km)	-----
Red Line Boundary	-----
110 kV Joint Bay	-----
Contours	-----
Existing Lake, River / Stream Network shown thus	-----
Existing ESB LV/MV Networks shown thus	-----
Existing ESB UG LV/MV Networks shown thus	-----
Existing Irish Water Network shown thus	-----
HDD Location shown thus	-----
Temporary Compound Drilling (HDD) Area shown thus	-----
Site Notice shown thus	-----

ISSUE/REVISION

P04	17.12.2024	Wind Farm RLB Updated.
P03	26.11.2024	For Planning
P02	11.07.2024	For Planning
P01	31.05.2024	Revised Route + S/S Location
P00	03.11.2023	Issued For Planning
I/R	DATE	DESCRIPTION

PROJECT NUMBER

05-854

SHEET TITLE

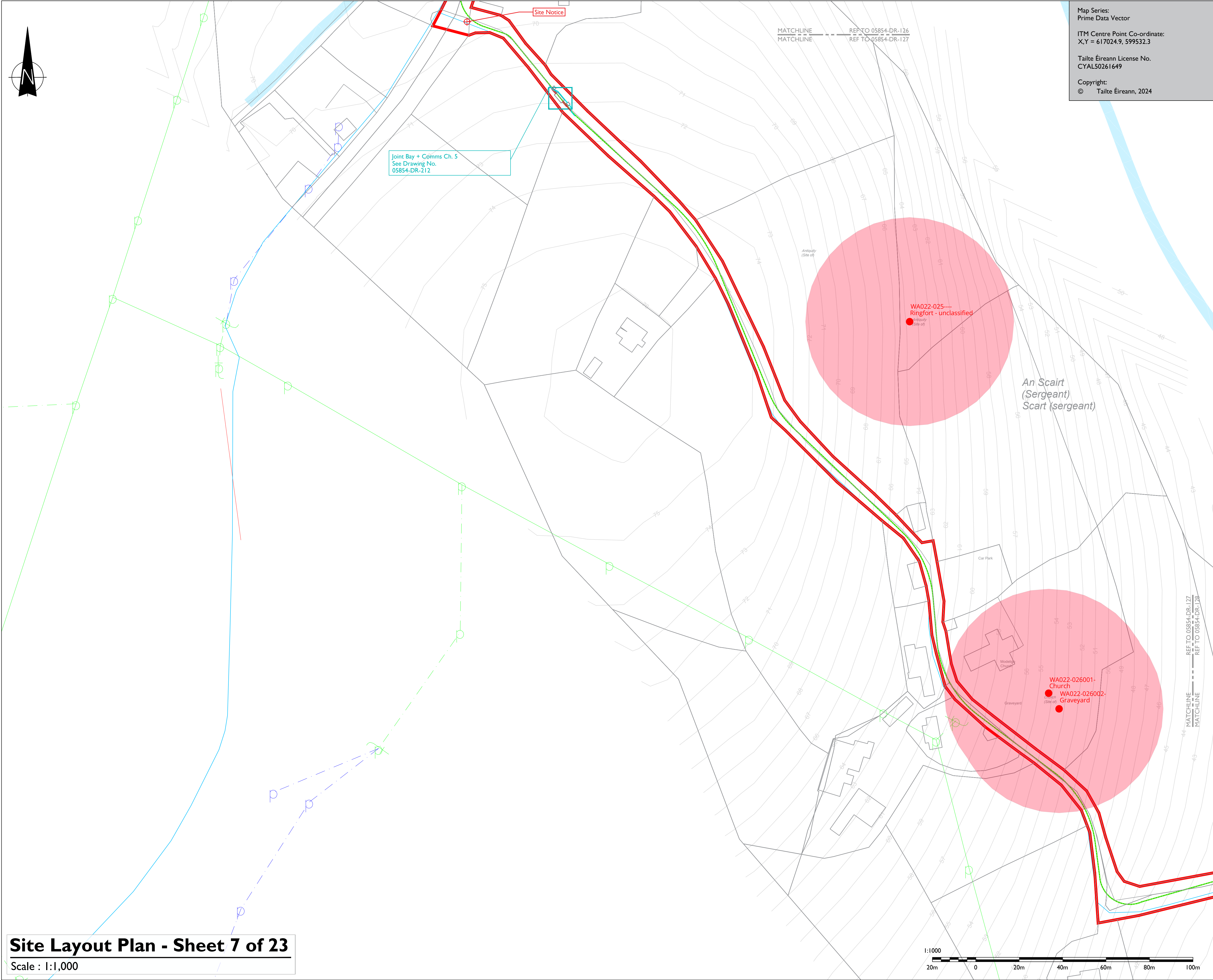
Site Layout Plan
Sheet 6 of 23

SHEET NUMBER

05854-DR-126

ISO A1 594mm x 841mm

Project Management Initials: Designer: AR Checked: ST Approved: GH



Map Series:
Prime Data Vector

ITM Centre Point Co-ordinate:
X,Y = 617024.9, 599532.3

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PROJECT

Scart Mountain WF

110 kV Grid Connection

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- NOTES: -
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 - Position of underground cable and location of joint bays, links boxes and comms chambers may vary depending on site conditions.
 - Position of link boxes and comms chambers is to be agreed onsite with EirGrid/ESB.
 - Other services may be encountered on the route.
 - Position of HDD launch/reception shown points are indicative only and will be subject to site investigation works and detailed design.

LEGEND: -

Proposed UGC: (15.5 km)	
Red Line Boundary	
110 kV Joint Bay	
Contours	
Existing Lake, River / Stream Network shown thus	
Existing ESB LV/MV Networks shown thus	
Existing ESB UG LV/MV Networks shown thus	
Existing Irish Water Network shown thus	
Recorded Monuments & associated Zone of Notification denoted thus	
Site Notice shown thus	

ISSUE/REVISION		
P04	17.12.2024	Wind Farm RLB Updated.
P03	26.11.2024	For Planning
P02	11.07.2024	For Planning
P01	31.05.2024	Revised Route + S/S Location
P00	03.11.2023	Issued For Planning
I/R	DATE	DESCRIPTION

PROJECT NUMBER

05-854

SHEET TITLE

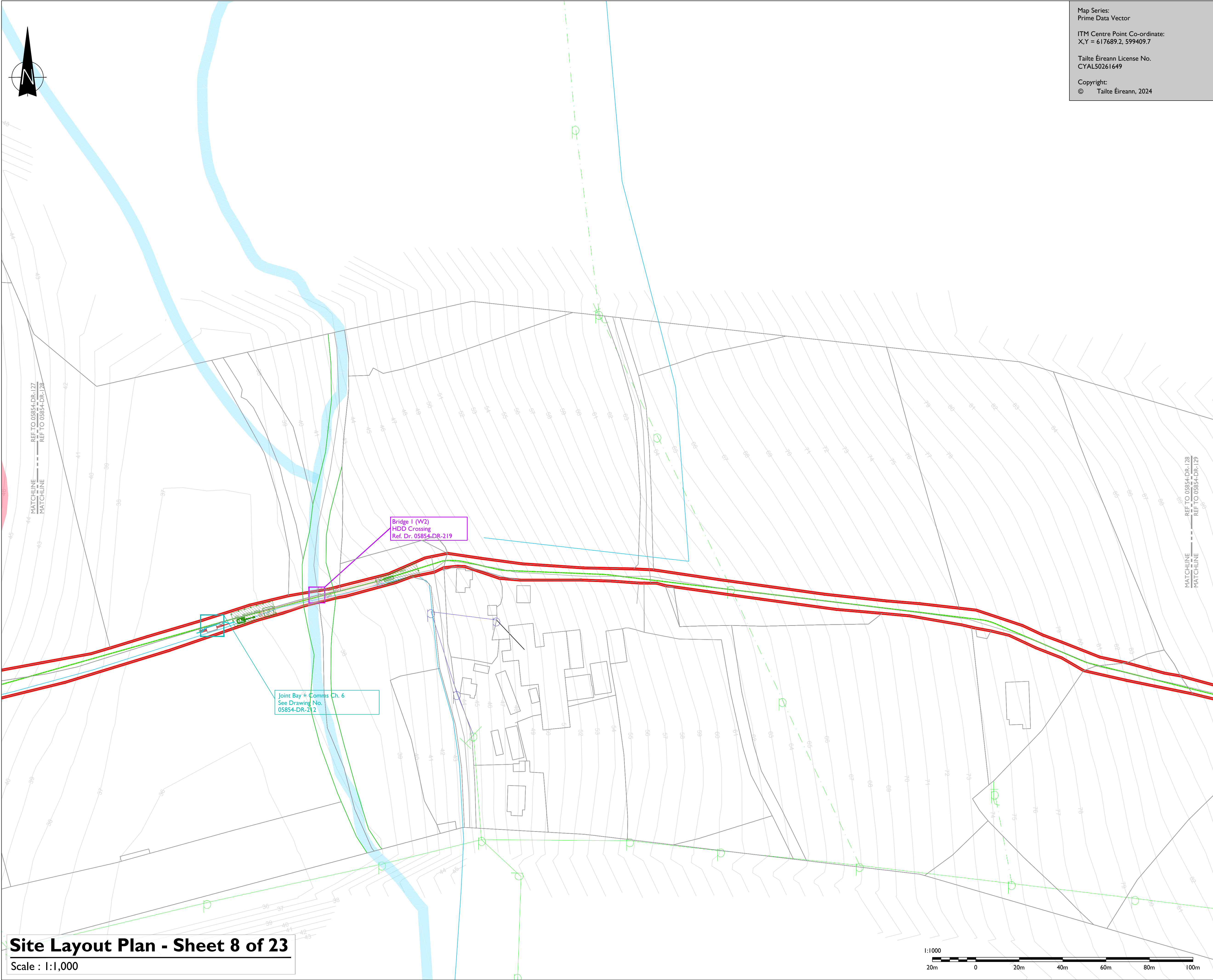
Site Layout Plan
Sheet 7 of 23

SHEET NUMBER

05854-DR-127

ISO A1 594mm x 841mm

Project Management Initials: Designer: AR Checked: ST Approved: GH



Map Series:
Prime Data Vector

ITM Centre Point Co-ordinate:
X,Y = 617689.2, 599409.7

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PROJECT

Scart Mountain WF

110 kV Grid Connection

CLIENT

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CONSULTING ENGINEERS

- NOTES: -
- This drawing is to be used only for the purpose of the planning application and is subject to detailed design.
 - Position of underground cable and location of joint bays, links boxes and comms chambers may vary depending on site conditions.
 - Position of link boxes and comms chambers is to be agreed onsite with EirGrid/ESB.
 - Other services may be encountered on the route.
 - Position of HDD launch/reception shown points are indicative only and will be subject to site investigation works and detailed design.

- LEGEND: -
- Proposed UGC: (15.5 km)
- Red Line Boundary
- 110 kV Joint Bay
- Contours
- Existing Lake, River / Stream Network shown thus
- Existing ESB LV/MV Networks shown thus
- Existing ESB UG LV/MV Networks shown thus
- Existing Irish Water Network shown thus
- Recorded Monuments & associated Zone of Notification denoted thus
- HDD Location shown thus
- Temporary Compound Drilling (HDD) Area shown thus

ISSUE/REVISION		
P04	17.12.2024	Wind Farm RLB Updated.
P03	26.11.2024	For Planning
P02	11.07.2024	For Planning
P01	31.05.2024	Revised Route + S/S Location
P00	03.11.2023	Issued For Planning
I/R	DATE	DESCRIPTION

PROJECT NUMBER

05-854

SHEET TITLE

Site Layout Plan
Sheet 8 of 23

SHEET NUMBER

05854-DR-128

ISO A1 594mm x 841mm

Project Management Initials: Designer: AR Checked: ST Approved: GH



Map Series:
Prime Data Vector

ITM Centre Point Co-ordinate:
X,Y = 618353.5, 599409.7

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PROJECT

Scart Mountain WF

110 kV Grid Connection

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- NOTES: -
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 - Position of underground cable and location of joint bays, links boxes and comms chambers may vary depending on site conditions.
 - Position of link boxes and comms chambers is to be agreed onsite with EirGrid/ESB.
 - Other services may be encountered on the route.
 - Position of HDD launch/reception shown points are indicative only and will be subject to site investigation works and detailed design.

- LEGEND: -
- Proposed UGC: (15.5 km)
 - Red Line Boundary
 - 110 kV Joint Bay
 - Contours
 - Existing Lake, River / Stream Network shown thus
 - Existing ESB LV/MV Networks shown thus
 - Existing ESB UG LV/MV Networks shown thus
 - Existing Irish Water Network shown thus
 - Recorded Monuments & associated Zone of Notification denoted thus
 - Site Notice shown thus

ISSUE/REVISION		
P04	17.12.2024	Wind Farm RLB Updated.
P03	26.11.2024	For Planning
P02	11.07.2024	For Planning
P01	31.05.2024	Revised Route + S/S Location
P00	03.11.2023	Issued For Planning
I/R	DATE	DESCRIPTION

PROJECT NUMBER

05-854

SHEET TITLE

Site Layout Plan
Sheet 9 of 23

SHEET NUMBER

05854-DR-129

Map Series:
Prime Data Vector

ITM Centre Point Co-ordinate:
X,Y = 619017.9, 599752.3

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PROJECT

Scart Mountain WF 110 kV Grid Connection

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NOTES: -

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- Position of link boxes and comms chambers is to be agreed onsite with EirGrid/ESB.
- Other services may be encountered on the route.
- Position of HDD launch/reception shown points are indicative only and will be subject to site investigation works and detailed design.

LEGEND: -

Proposed UGC: (15.5 km)

Red Line Boundary

110 kV Joint Bay

Contours

Existing Lake, River / Stream Network
shown thus

Existing ESB LV/MV Networks shown thus:

Existing ESB UG LV/MV Networks

Existing Irish Water Network shown thus

Site Notice shown thus

ISSUE/REVISION

P04	17.12.2024	Wind Farm RLB Updated.
P03	26.11.2024	For Planning
P02	11.07.2024	For Planning
P01	31.05.2024	Revised Route + S/S Location
P00	03.11.2023	Issued For Planning
I/R	DATE	DESCRIPTION

PROJECT NUMBER

05-854

SHEET TITLE

Site Layout Plan
Sheet 10 of 23

SHEET NUMBER

05854-DR-130

Project Management Initials:	Designer: AR	Checked: ST	Approved: GH
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Approved: GH

Checked: ST

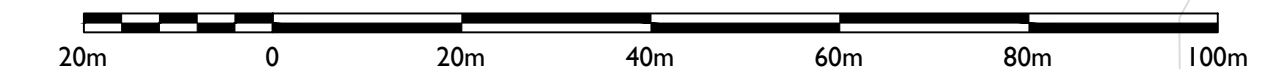
Designer: AR

Project Management Initials:

Site Layout Plan - Sheet 10 of 23

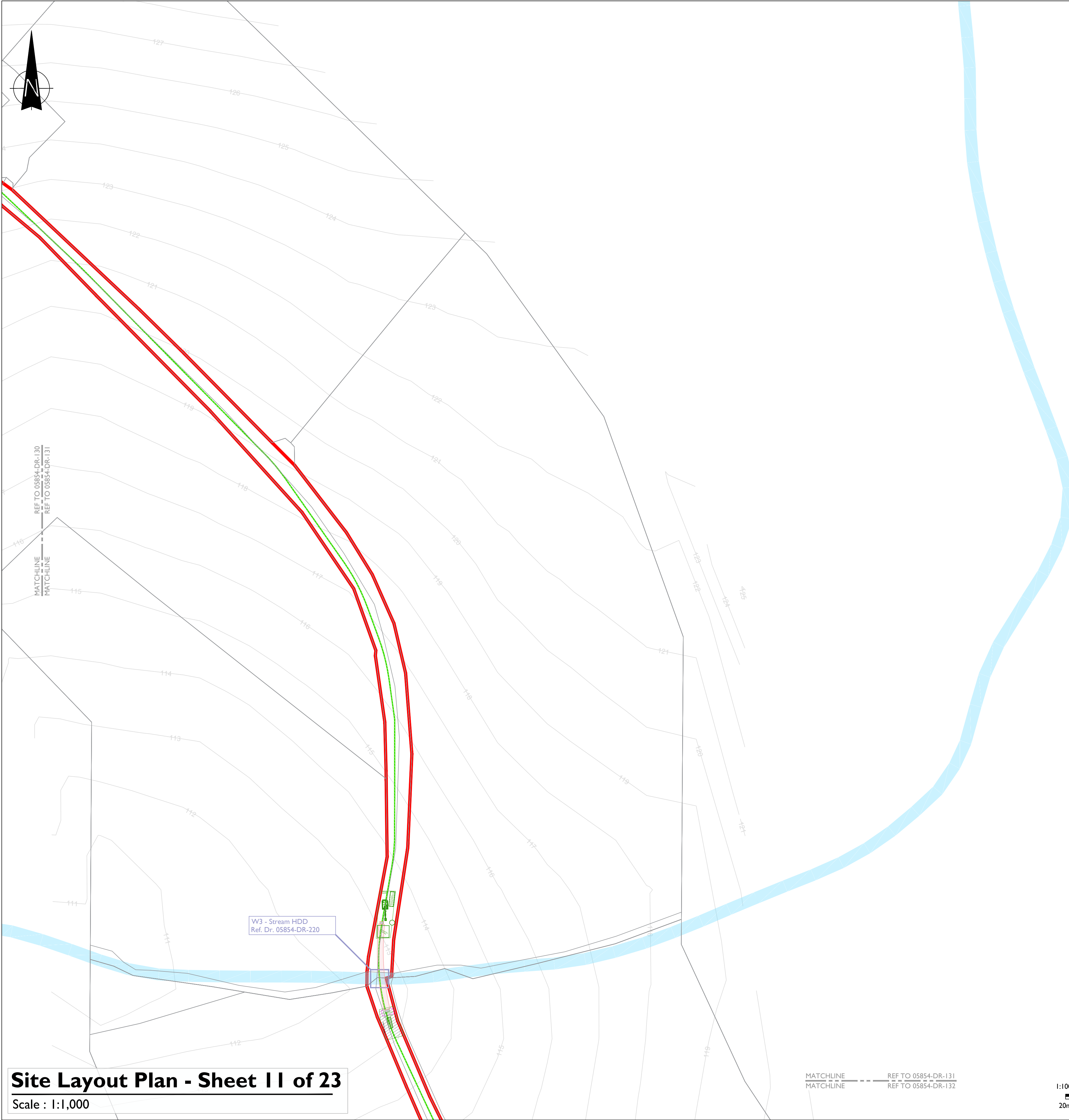
Scale : 1:1,000

1:1000



ISO A1 594mm x 841mm

Project Management Initials: Designer: AR Checked: ST Approved: GH



Map Series:
Prime Data Vector

ITM Centre Point Co-ordinate:
X,Y = 619682.2, 599565.2

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PROJECT

Scart Mountain WF

110 kV Grid Connection

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 - Position of HDD launch/reception shown points are indicative only and will be subject to site investigation works and detailed design.

LEGEND: -

Proposed UGC: (15.5 km)	
Red Line Boundary	
110 kV Joint Bay	
Contours	
Existing Lake, River / Stream Network shown thus	
Existing ESB LV/MV Networks shown thus	
Existing ESB UG LV/MV Networks shown thus	
Existing Irish Water Network shown thus	
HDD Location shown thus	
Temporary Compound Drilling (HDD) Area shown thus	

ISSUE/REVISION		
P04	17.12.2024	Wind Farm RLB Updated.
P03	26.11.2024	For Planning
P02	11.07.2024	For Planning
P01	31.05.2024	Revised Route + S/S Location
P00	03.11.2023	Issued For Planning
I/R	DATE	DESCRIPTION

PROJECT NUMBER

05-854

SHEET TITLE

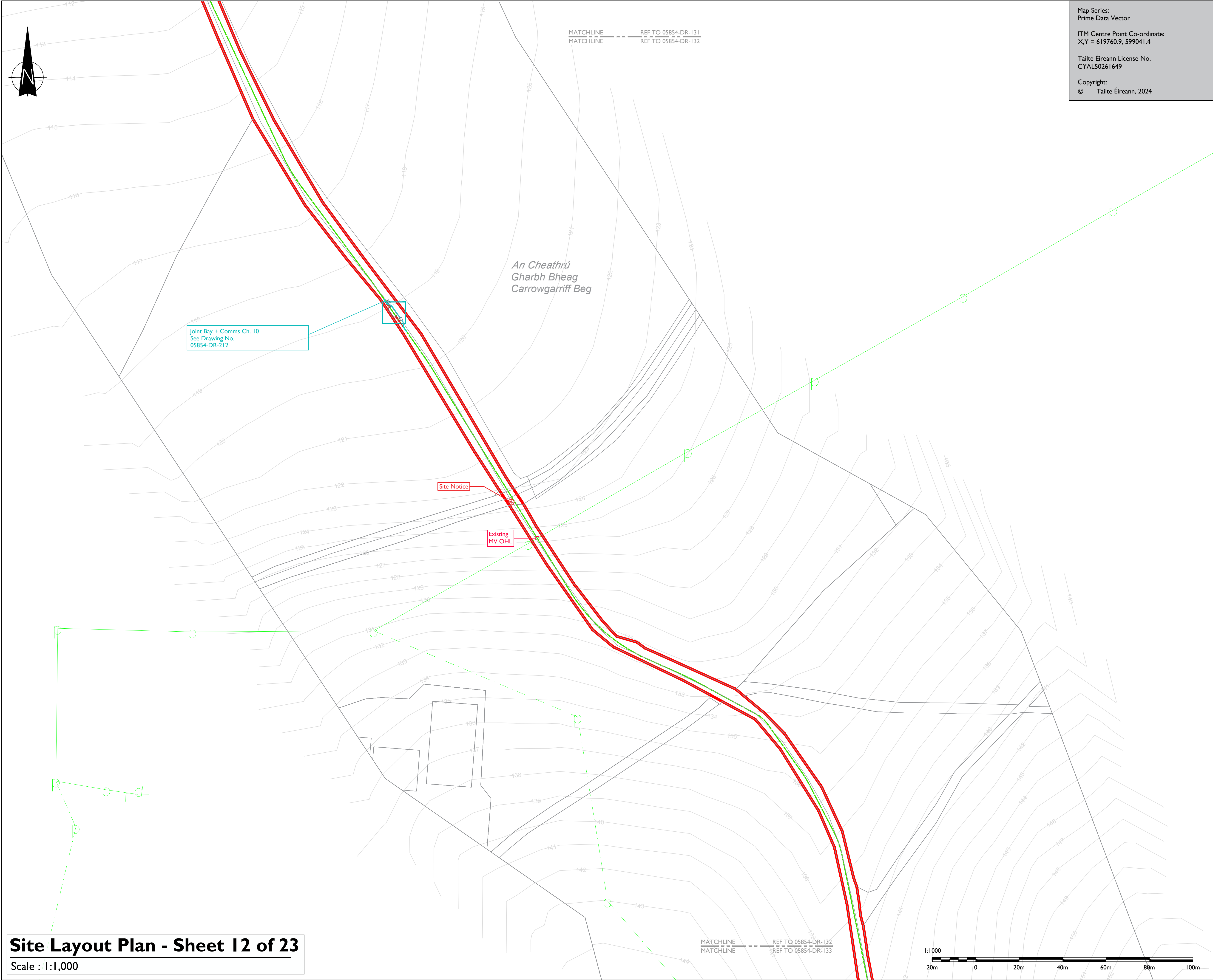
Site Layout Plan
Sheet 11 of 23

SHEET NUMBER

05854-DR-131

ISO A1 594mm x 841mm

Project Management Initials: Designer: AR Checked: ST Approved: GH



Site Layout Plan - Sheet 12 of 23
Scale : 1:1,000

Map Series:
Prime Data Vector

ITM Centre Point Co-ordinate:
X,Y = 619760.9, 599041.4

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PROJECT

Scart Mountain WF

110 kV Grid Connection

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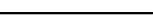
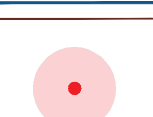


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 - Position of HDD launch/reception shown points are indicative only and will be subject to site investigation works and detailed design.

LEGEND: -

Proposed UGC: (15.5 km)	
Red Line Boundary	
110 kV Joint Bay	
Contours	
Existing Lake, River / Stream Network shown thus	
Existing ESB LV/MV Networks shown thus	
Existing ESB UG LV/MV Networks shown thus	
Existing Irish Water Network shown thus	
Recorded Monuments & associated Zone of Notification denoted thus	
Site Notice shown thus	

ISSUE/REVISION		
P04	17.12.2024	Wind Farm RLB Updated.
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P02	11.07.2024	For Planning
P01	31.05.2024	Revised Route + S/S Location
P00	03.11.2023	Issued For Planning
I/R	DATE	DESCRIPTION

PROJECT NUMBER

05-854

SHEET TITLE

Site Layout Plan
Sheet 12 of 23

SHEET NUMBER

05854-DR-132

ISO A1 594mm x 841mm

Project Management Initials: Designer: AR Checked: ST Approved: GH



Map Series:
Prime Data Vector

ITM Centre Point Co-ordinate:
X,Y = 620138.9, 598517.5

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PROJECT

Scart Mountain WF

110 kV Grid Connection

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- LEGEND: -
- Proposed UGC: (15.5 km) -----
- Red Line Boundary -----
- 110 kV Joint Bay -----
- Contours -----
- Existing Lake, River / Stream Network shown thus -----
- Existing ESB LV/MV Networks shown thus -----
- Existing ESB UG LV/MV Networks shown thus -----
- Existing Irish Water Network shown thus -----

ISSUE/REVISION		
P04	17.12.2024	Wind Farm RLB Updated.
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P00	03.11.2023	Issued For Planning
I/R	DATE	DESCRIPTION

PROJECT NUMBER

05-854

SHEET TITLE

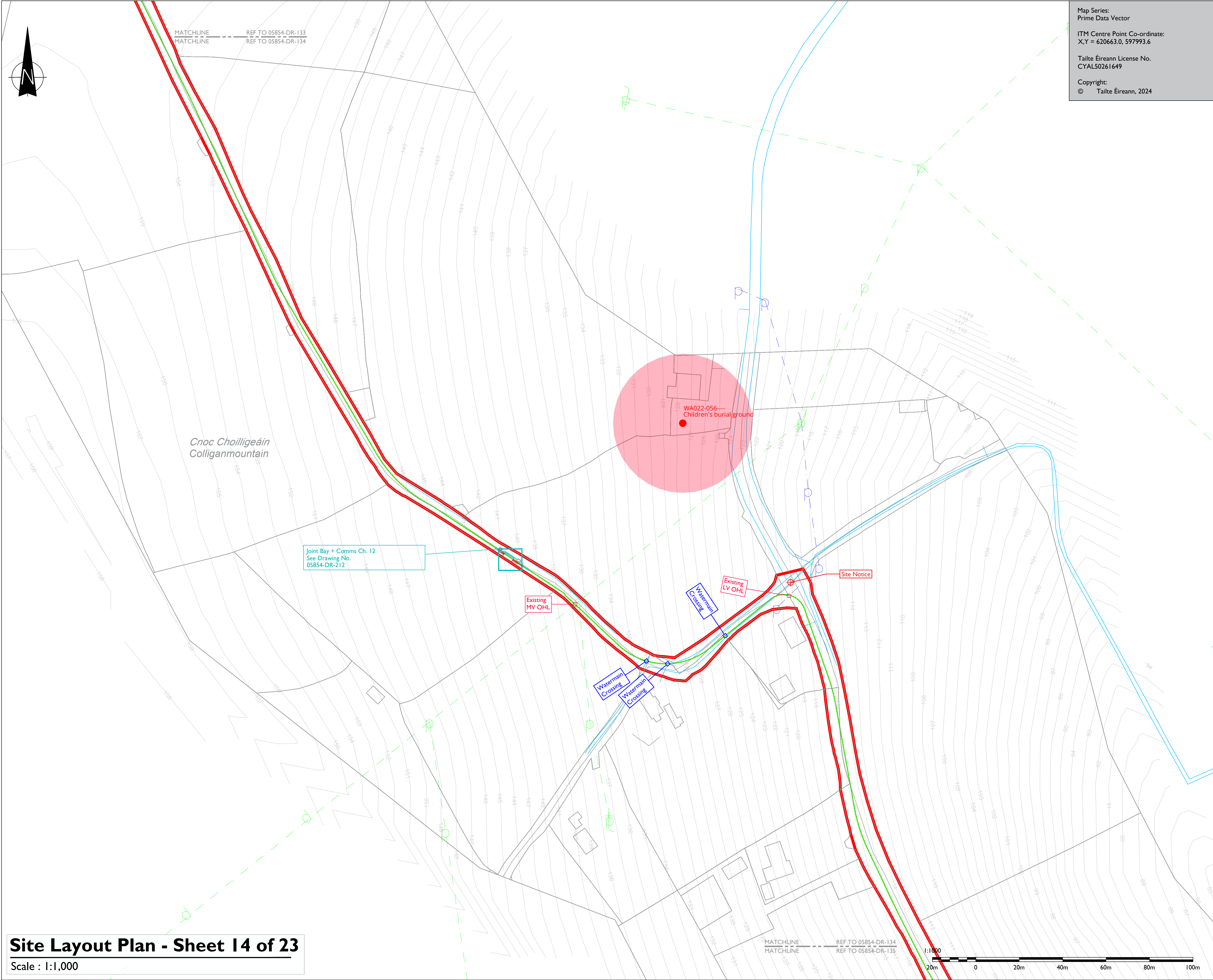
Site Layout Plan
Sheet 13 of 23

SHEET NUMBER

05854-DR-133

ISO A1 594mm x 841mm

Project Management Initials: Designer: AR Checked: ST Approved: GH



Map Series:
Prime Data Vector

ITM Centre Point Co-ordinate:
X,Y = 620663.0, 597993.6

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PROJECT

Scart Mountain WF

110 kV Grid Connection

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LEGEND: -

Proposed UGC: (15.5 km) -----

Red Line Boundary -----

110 kV Joint Bay [Box]

Contours [Line]

Existing Lake, River / Stream Network shown thus [Line]

Existing ESU LV/MV Networks shown thus [Line]

Existing ESU UG LV/MV Networks shown thus [Line]

Existing Irish Water Network shown thus [Line]

Recorded Monuments & associated Zone of Notification denoted thus [Circle]

Site Notice shown thus [Symbol]

ISSUE/REVISION		
P04	17.12.2024	Wind Farm RLB Updated.
P03	26.11.2024	For Planning
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P01	31.05.2024	Revised Route + S/S Location
P00	03.11.2023	Issued For Planning
I/R	DATE	DESCRIPTION

PROJECT NUMBER

05-854

SHEET TITLE

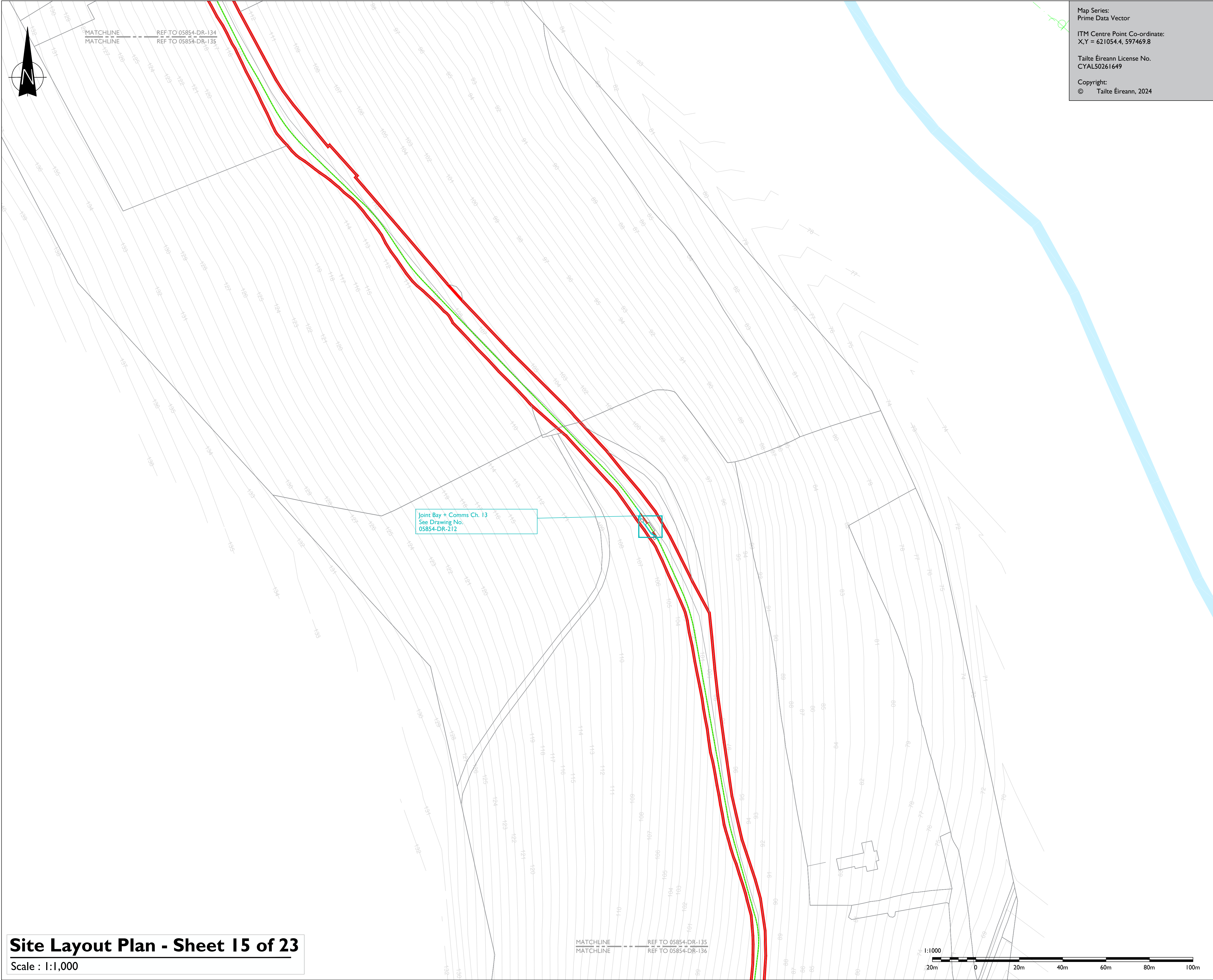
Site Layout Plan
Sheet 14 of 23

SHEET NUMBER

05854-DR-134

ISO A1 594mm x 841mm

Project Management Initials: Designer: AR Checked: ST Approved: GH



Map Series:
Prime Data Vector

ITM Centre Point Co-ordinate:
X,Y = 621054.4, 597469.8

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PROJECT

Scart Mountain WF

110 kV Grid Connection

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 - Other services may be encountered on the route.
 - Position of HDD launch/reception shown points are indicative only and will be subject to site investigation works and detailed design.

- LEGEND: -
- Proposed UGC: (15.5 km)
 - Red Line Boundary
 - 110 kV Joint Bay
 - Contours
 - Existing Lake, River / Stream Network shown thus
 - Existing ESB LV/MV Networks shown thus
 - Existing ESB UG LV/MV Networks shown thus
 - Existing Irish Water Network shown thus

ISSUE/REVISION		
P04	17.12.2024	Wind Farm RLB Updated.
P03	26.11.2024	For Planning
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P00	03.11.2023	Issued For Planning
I/R	DATE	DESCRIPTION

PROJECT NUMBER

05-854

SHEET TITLE

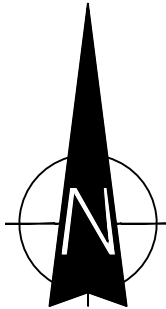
Site Layout Plan
Sheet 15 of 23

SHEET NUMBER

05854-DR-135

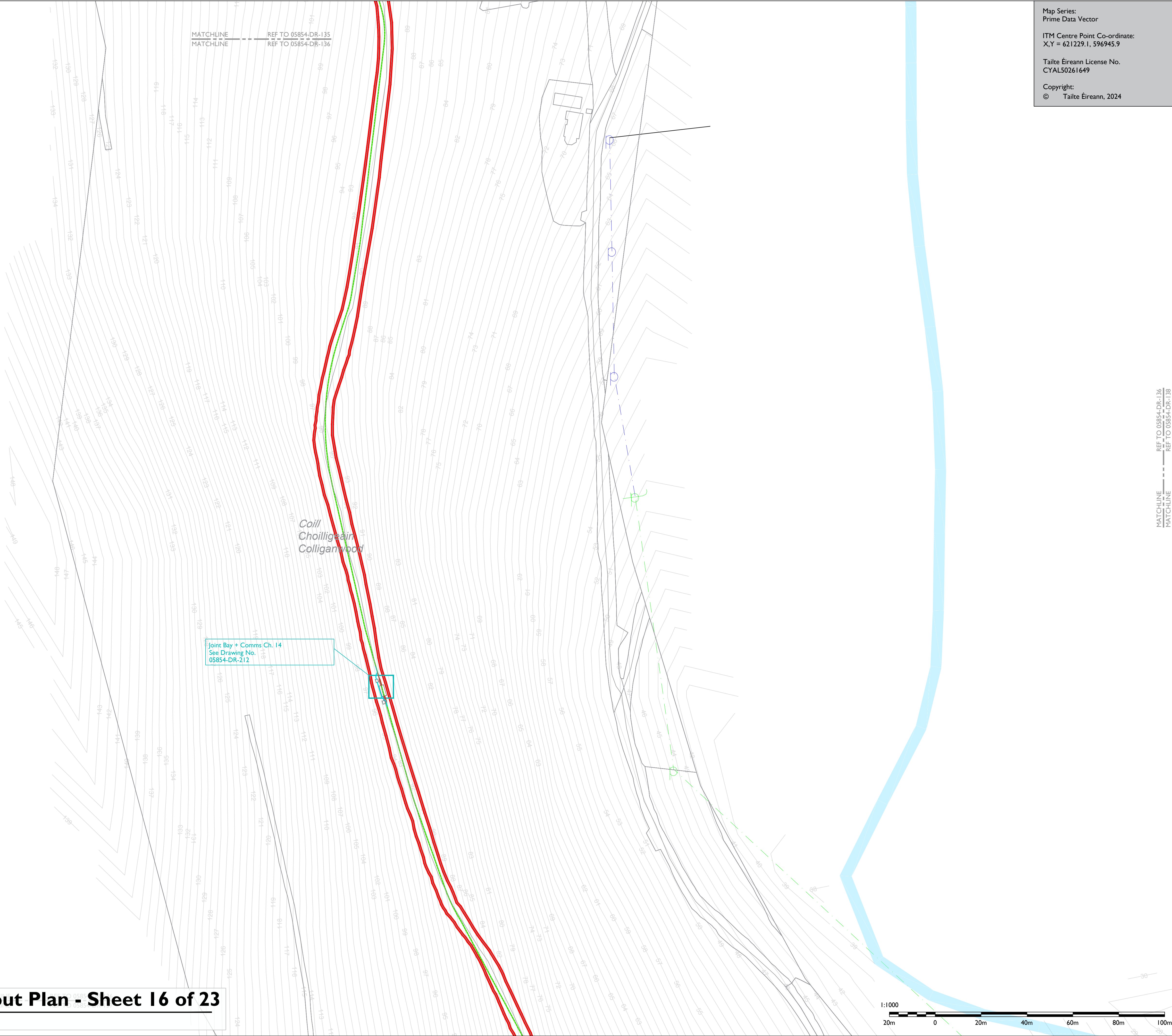
ISO A1 594mm x 841mm

Project Management Initials: Designer: AR Checked: ST Approved: GH



Site Layout Plan - Sheet 16 of 23

Scale : 1:1,000



Map Series:
Prime Data Vector

ITM Centre Point Co-ordinate:
X,Y = 621229.1, 596945.9

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PROJECT

Scart Mountain WF 110 kV Grid Connection

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LEGEND: -

Proposed UGC: (15.5 km)	
Red Line Boundary	
110 kV Joint Bay	
Contours	
Existing Lake, River / Stream Network shown thus	
Existing ESB LV/MV Networks shown thus	
Existing ESB LV/MV Networks shown thus	
Existing Irish Water Network shown thus	

ISSUE/REVISION

P04	17.12.2024	Wind Farm RLB Updated.
P03	26.11.2024	For Planning
P02	11.07.2024	For Planning
P01	31.05.2024	Revised Route + S/S Location
P00	03.11.2023	Issued For Planning
I/R	DATE	DESCRIPTION

PROJECT NUMBER

05-854

SHEET TITLE

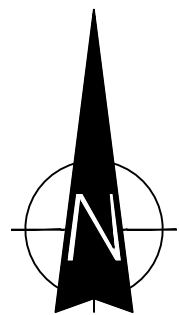
Site Layout Plan
Sheet 16 of 23

SHEET NUMBER

05854-DR-136

ISO A1 594mm x 841mm

Project Management Initials: Designer: AR Checked: ST Approved: GH



MATCHLINE
MATCHLINE

REF TO 05854-DR-136
REF TO 05854-DR-137

Map Series:
Prime Data Vector

ITM Centre Point Co-ordinate:
X,Y = 621228.3, 596522.1

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REF TO 05854-DR-137
MATCHLINE
REF TO 05854-DR-138
MATCHLINE

Joint Bay + Comms Ch. 15
See Drawing No.
05854-DR-212

Site Notice

Upgrade of Existing Access
Track. (See Drawing
05854-DR-216)



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PROJECT

Scart Mountain WF
110 kV Grid Connection

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- Position of HDD launch/reception shown points are indicative only and will be subject to site investigation works and detailed design.

LEGEND: -

Proposed UGC: (15.5 km)	
Red Line Boundary	
110 kV Joint Bay	
Contours	
Existing Lake, River / Stream Network shown thus	
Existing ESB LV/MV Networks shown thus	
Existing ESB UG LV/MV Networks shown thus	
Proposed Access Road shown thus	
Site Notice shown thus	

ISSUE/REVISION

P04	17.12.2024	Wind Farm RLB Updated.
P03	26.11.2024	For Planning
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P00	03.11.2023	Issued For Planning
I/R	DATE	DESCRIPTION

PROJECT NUMBER

05-854

SHEET TITLE

Site Layout Plan
Sheet 17 of 23

SHEET NUMBER

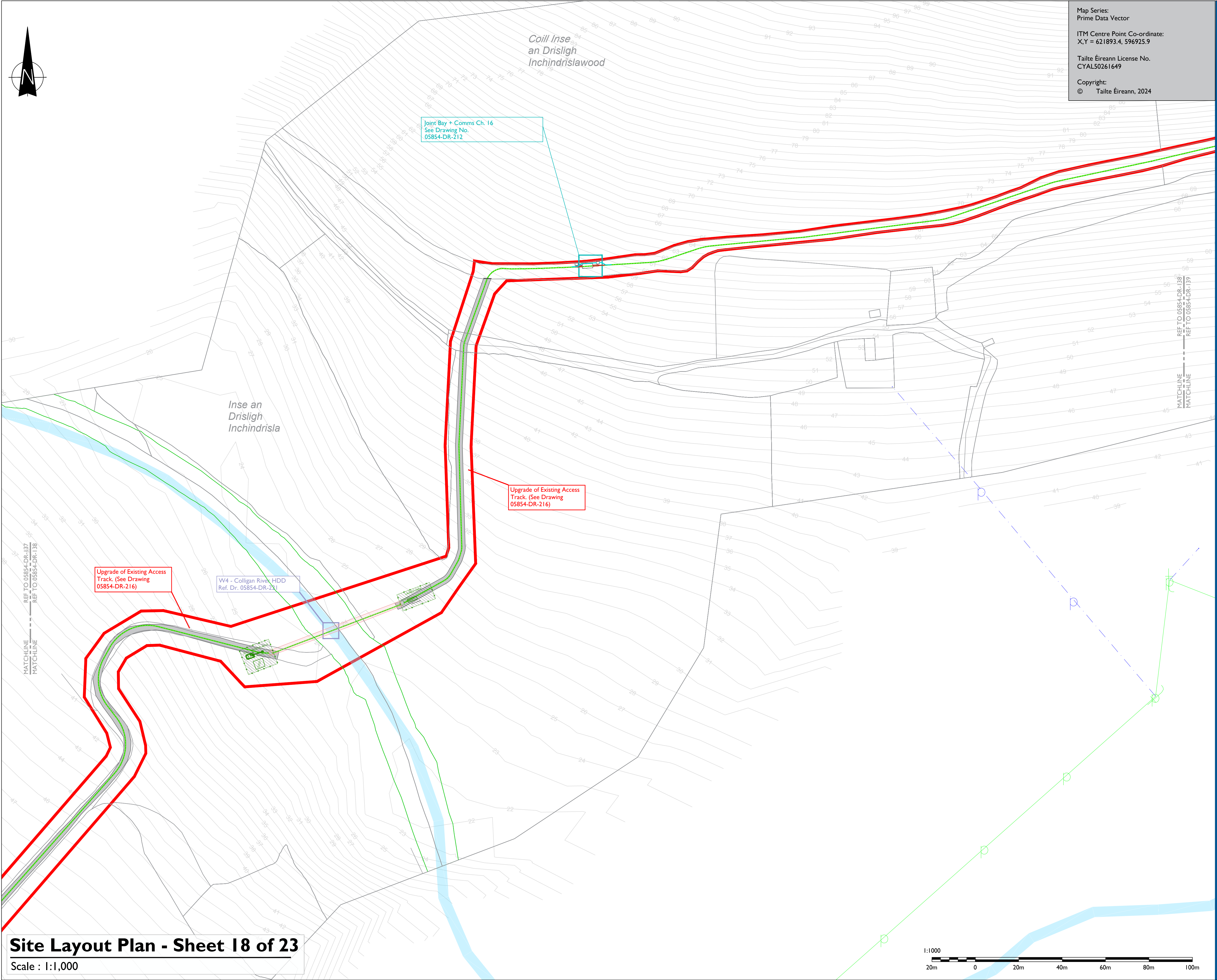
05854-DR-137

Site Layout Plan - Sheet 17 of 23

Scale : 1:1,000

ISO A1 594mm x 841mm

Project Management Initials: Designer: AR Checked: ST Approved: GH



Map Series:
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ITM Centre Point Co-ordinate:
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PROJECT

Scart Mountain WF

110 kV Grid Connection

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LEGEND: -

Proposed UGC: (15.5 km) -----

Red Line Boundary -----

110 kV Joint Bay ○

Contours ---

Proposed Access Road shown thus

ISSUE/REVISION		
P04	17.12.2024	Wind Farm RLB Updated.
P03	26.11.2024	For Planning
P02	11.07.2024	For Planning
P01	31.05.2024	Revised Route + S/S Location
P00	03.11.2023	Issued For Planning
I/R	DATE	DESCRIPTION

PROJECT NUMBER

05-854

SHEET TITLE

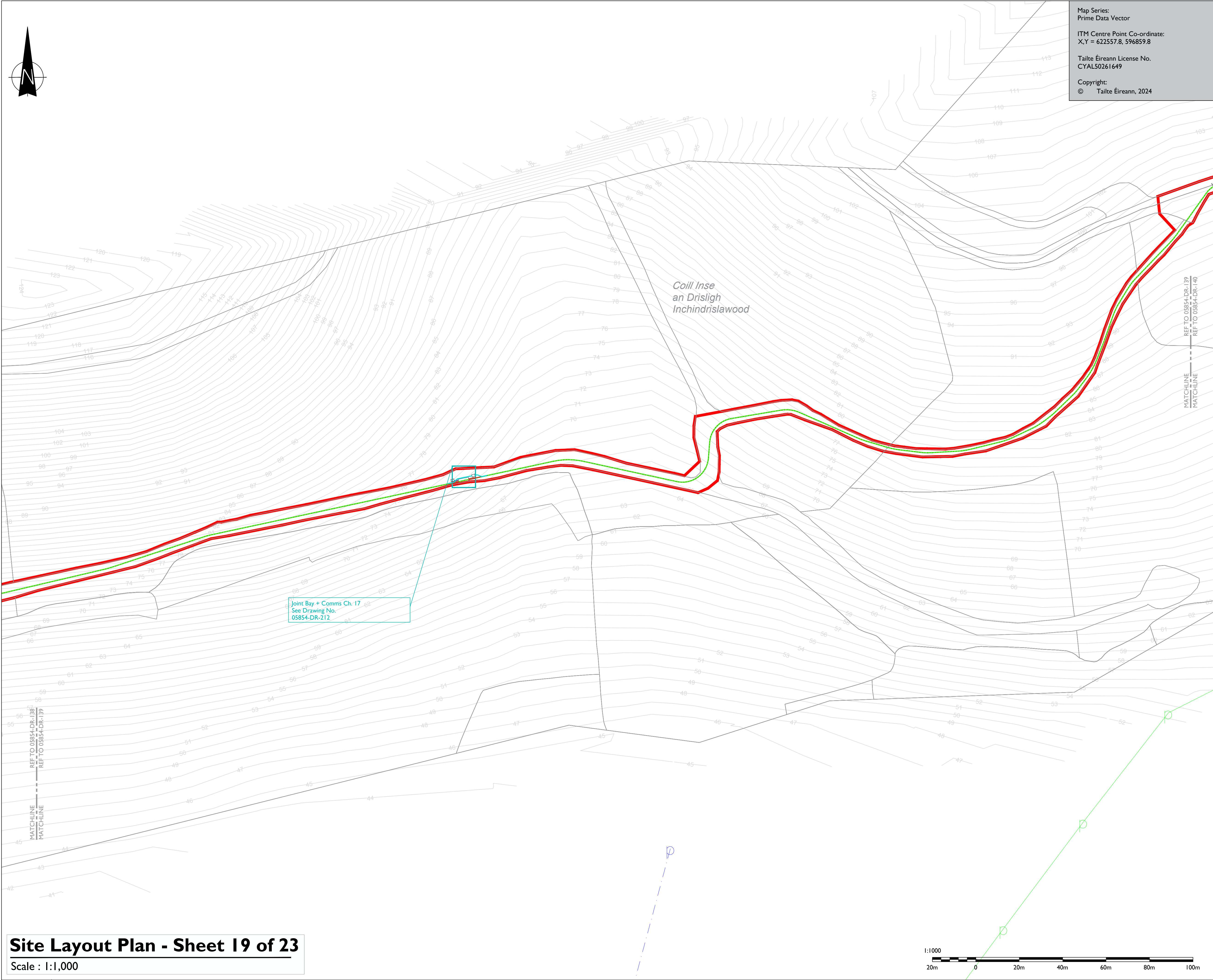
Site Layout Plan
Sheet 18 of 23

SHEET NUMBER

05854-DR-138

ISO A1 594mm x 841mm

Project Management Initials: Designer: AR Checked: ST Approved: GH



Map Series:
Prime Data Vector

ITM Centre Point Co-ordinate:
X,Y = 622557.8, 596859.8

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PROJECT

Scart Mountain WF

110 kV Grid Connection

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 - Position of HDD launch/reception shown points are indicative only and will be subject to site investigation works and detailed design.

LEGEND: -

Proposed UGC: (15.5 km)	
Red Line Boundary	
110 kV Joint Bay	
Contours	
Existing Lake, River / Stream Network shown thus	
Existing ESB LV/MV Networks shown thus	

ISSUE/REVISION		
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I/R	DATE	DESCRIPTION

PROJECT NUMBER

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SHEET TITLE

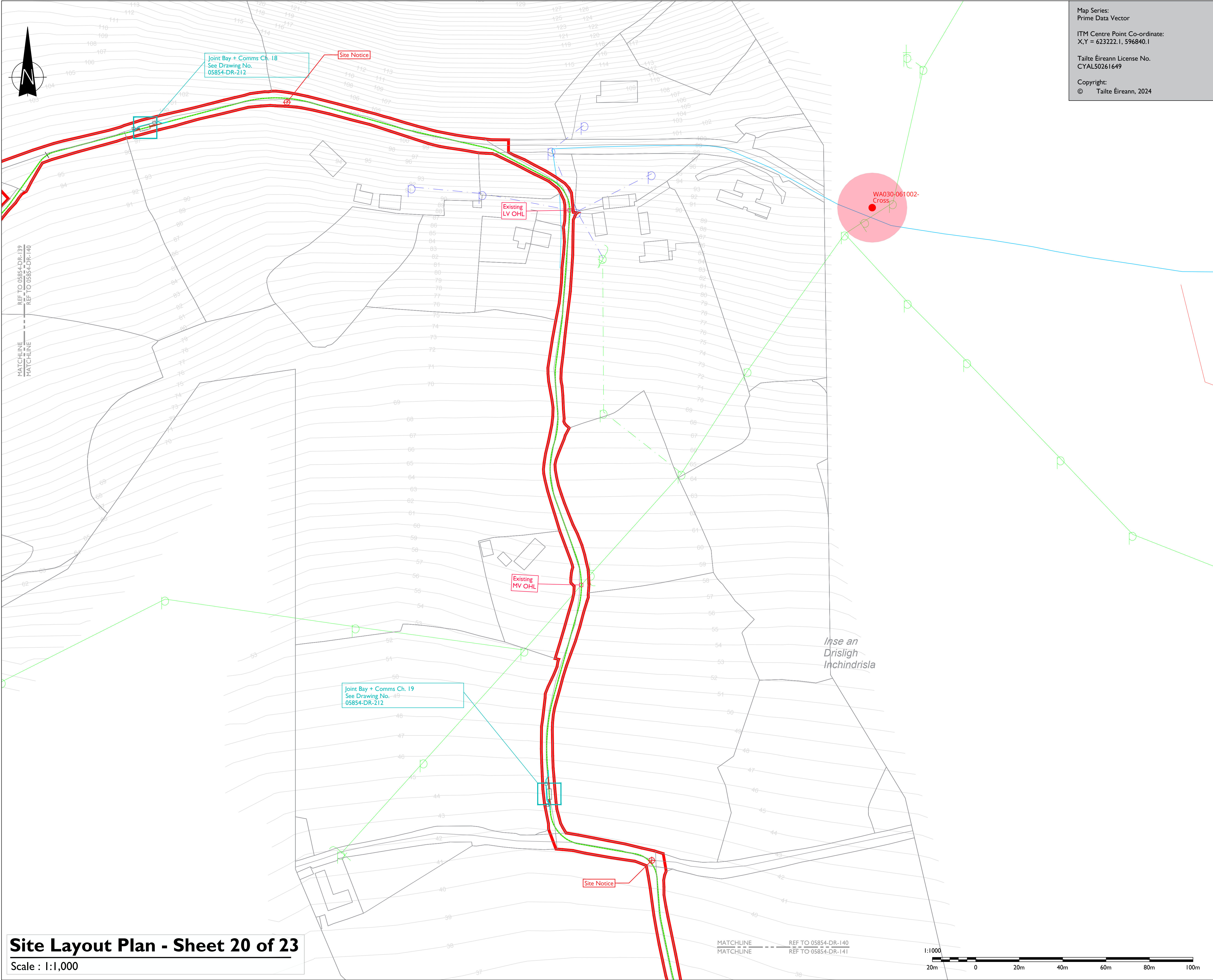
Site Layout Plan
Sheet 19 of 23

SHEET NUMBER

05854-DR-139

ISO A1 594mm x 841mm

Project Management Initials: Designer: AR Checked: ST Approved: GH



Map Series:
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PROJECT

Scart Mountain WF

110 kV Grid Connection

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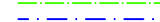
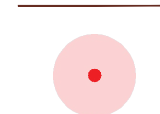


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 - Position of HDD launch/reception shown points are indicative only and will be subject to site investigation works and detailed design.

LEGEND: -

Proposed UGC: (15.5 km)	
Red Line Boundary	
110 kV Joint Bay	
Contours	
Existing Lake, River / Stream Network shown thus	
Existing ESB LV/MV Networks shown thus	
Existing ESB UG LV/MV Networks shown thus	
Existing Irish Water Network shown thus	
Recorded Monuments & associated Zone of Notification denoted thus	

ISSUE/REVISION		
P04	17.12.2024	Wind Farm RLB Updated.
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I/R	DATE	DESCRIPTION

PROJECT NUMBER

05-854

SHEET TITLE

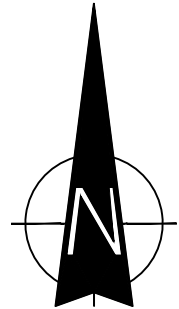
Site Layout Plan
Sheet 20 of 23

SHEET NUMBER

05854-DR-140

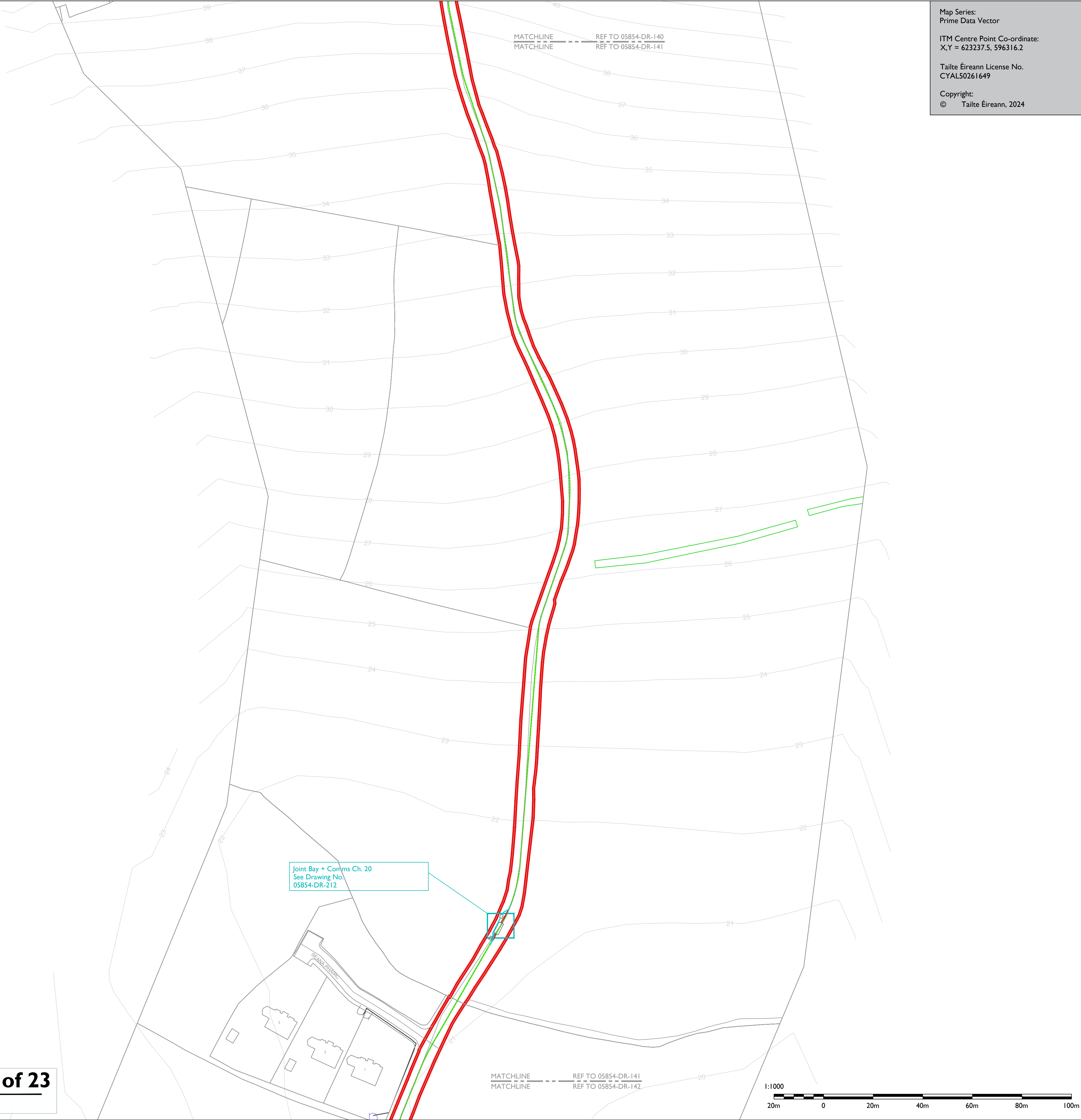
ISO A1 594mm x 841mm

Project Management Initials: Designer: AR Checked: ST Approved: GH



Site Layout Plan - Sheet 21 of 23

Scale : 1:1,000



Map Series:
Prime Data Vector

ITM Centre Point Co-ordinate:
X,Y = 623237.5, 596316.2

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PROJECT

Scart Mountain WF

110 kV Grid Connection

CLIENT

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- NOTES: -
- This drawing is to be used only for the purpose of the planning application and is subject to detailed design.
 - Position of underground cable and location of joint bays, links boxes and comms chambers may vary depending on site conditions.
 - Position of link boxes and comms chambers is to be agreed onsite with EirGrid/ESB.
 - Other services may be encountered on the route.
 - Position of HDD launch/reception shown points are indicative only and will be subject to site investigation works and detailed design.

LEGEND: -

Proposed UGC: (15.5 km)	-----
Red Line Boundary	-----
110 kV Joint Bay	
Contours	
Existing Lake, River / Stream Network shown thus	
Existing ESB LV/MV Networks shown thus	
Existing ESB UG LV/MV Networks shown thus	
Existing Irish Water Network shown thus	
Recorded Monuments & associated Zone of Notification denoted thus	

ISSUE/REVISION		
P04	17.12.2024	Wind Farm RLB Updated.
P03	26.11.2024	For Planning
P02	11.07.2024	For Planning
P01	31.05.2024	Revised Route + S/S Location
P00	03.11.2023	Issued For Planning
I/R	DATE	DESCRIPTION

PROJECT NUMBER

05-854

SHEET TITLE

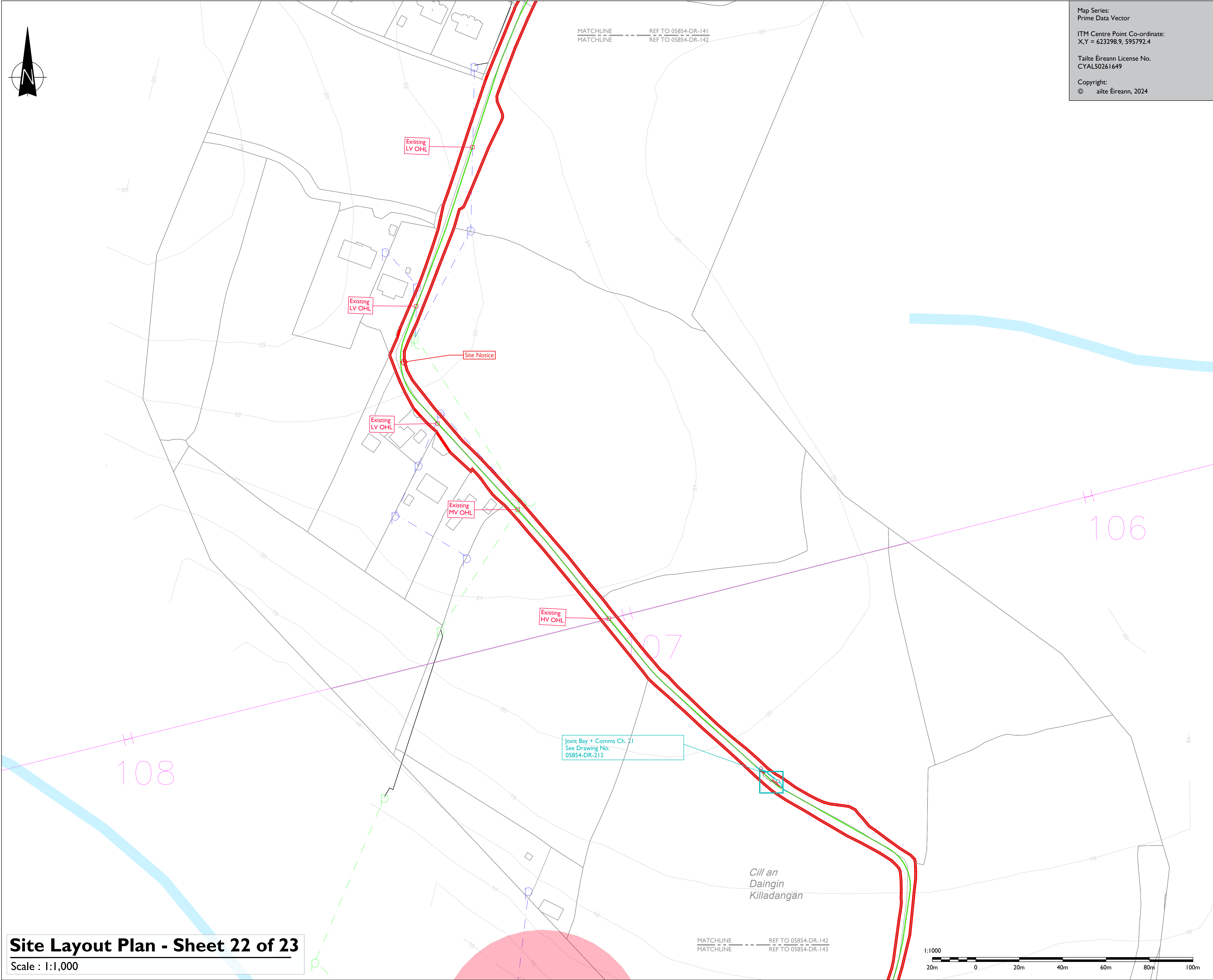
Site Layout Plan
Sheet 21 of 23

SHEET NUMBER

05854-DR-141

ISO A1 594mm x 841mm

Project Management Initials: Designer: AR Checked: ST Approved: GH



Map Series:
Prime Data Vector

ITM Centre Point Co-ordinate:
X,Y = 623298.9, 595792.4

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PROJECT

Scart Mountain WF

110 kV Grid Connection

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 - Other services may be encountered on the route.
 - Position of HDD launch/reception shown points are indicative only and will be subject to site investigation works and detailed design.

- LEGEND: -
- Proposed UGC: (15.5 km) -----
- Red Line Boundary -----
- 110 kV Joint Bay [Symbol]
- Contours [Symbol]
- Existing Lake, River / Stream Network shown thus [Symbol]
- Existing ESB OHL 110kV & 38kV Network shown thus [Symbol]
- Existing ESB LV/MV Networks shown thus [Symbol]
- Existing ESB UG LV/MV Networks shown thus [Symbol]
- Existing Irish Water Network shown thus [Symbol]
- Recorded Monuments & associated Zone of Notification denoted thus [Symbol]
- Site Notice shown thus [Symbol]

ISSUE/REVISION		
P04	17.12.2024	Wind Farm RLB Updated.
P03	26.11.2024	For Planning
P02	11.07.2024	For Planning
P01	31.05.2024	Revised Route + S/S Location
P00	03.11.2023	Issued For Planning
I/R	DATE	DESCRIPTION

PROJECT NUMBER

05-854

SHEET TITLE

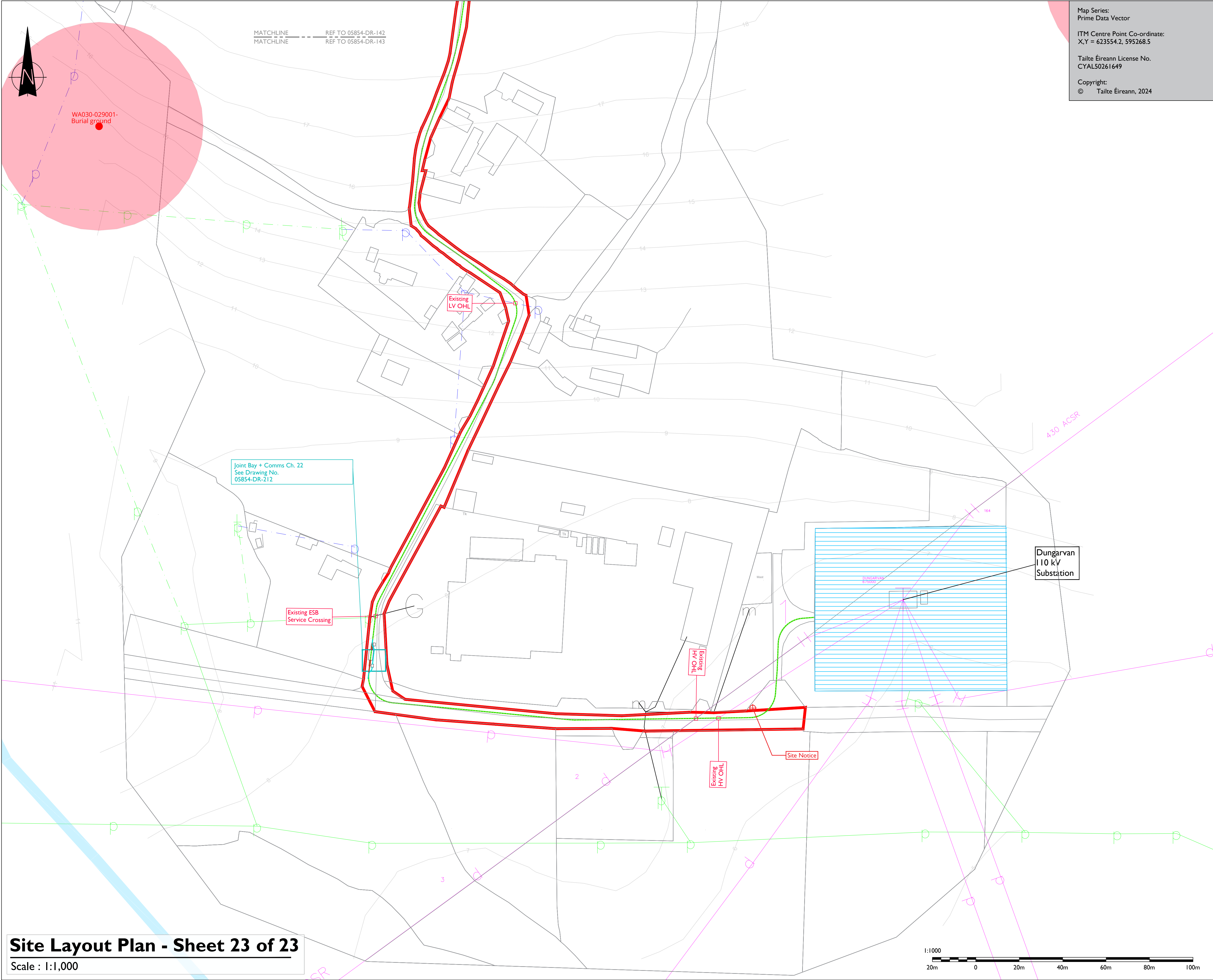
Site Layout Plan
Sheet 22 of 23

SHEET NUMBER

05854-DR-142

ISO A1 594mm x 841mm

Project Management Initials: Designer: AR Checked: ST Approved: GH



Site Layout Plan - Sheet 23 of 23
Scale : 1:1,000

Map Series:
Prime Data Vector

ITM Centre Point Co-ordinate:
X,Y = 623554.2, 595268.5

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PROJECT

Scart Mountain WF

110 kV Grid Connection

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- NOTES: -
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 - Position of link boxes and comms chambers is to be agreed onsite with EirGrid/ESB.
 - Other services may be encountered on the route.
 - Position of HDD launch/reception shown points are indicative only and will be subject to site investigation works and detailed design.

LEGEND: -

Proposed UGC: (15.5 km)	
Red Line Boundary	
110 kV Joint Bay	
Contours	
Existing Lake, River / Stream Network shown thus	
Existing ESB OHL 110kV & 38kV Network shown thus	
Existing ESB LV/MV Networks shown thus	
Existing ESB UG LV/MV Networks shown thus	
Existing Irish Water Network shown thus	
Recorded Monuments & associated Zone of Notification denoted thus	
Site Notice shown thus	

ISSUE/REVISION		
P04	17.12.2024	Wind Farm RLB Updated.
P03	26.11.2024	For Planning
P02	11.07.2024	For Planning
P01	31.05.2024	Revised Route + S/S Location
P00	03.11.2023	Issued For Planning
I/R	DATE	DESCRIPTION

PROJECT NUMBER

05-854

SHEET TITLE

Site Layout Plan
Sheet 23 of 23

SHEET NUMBER

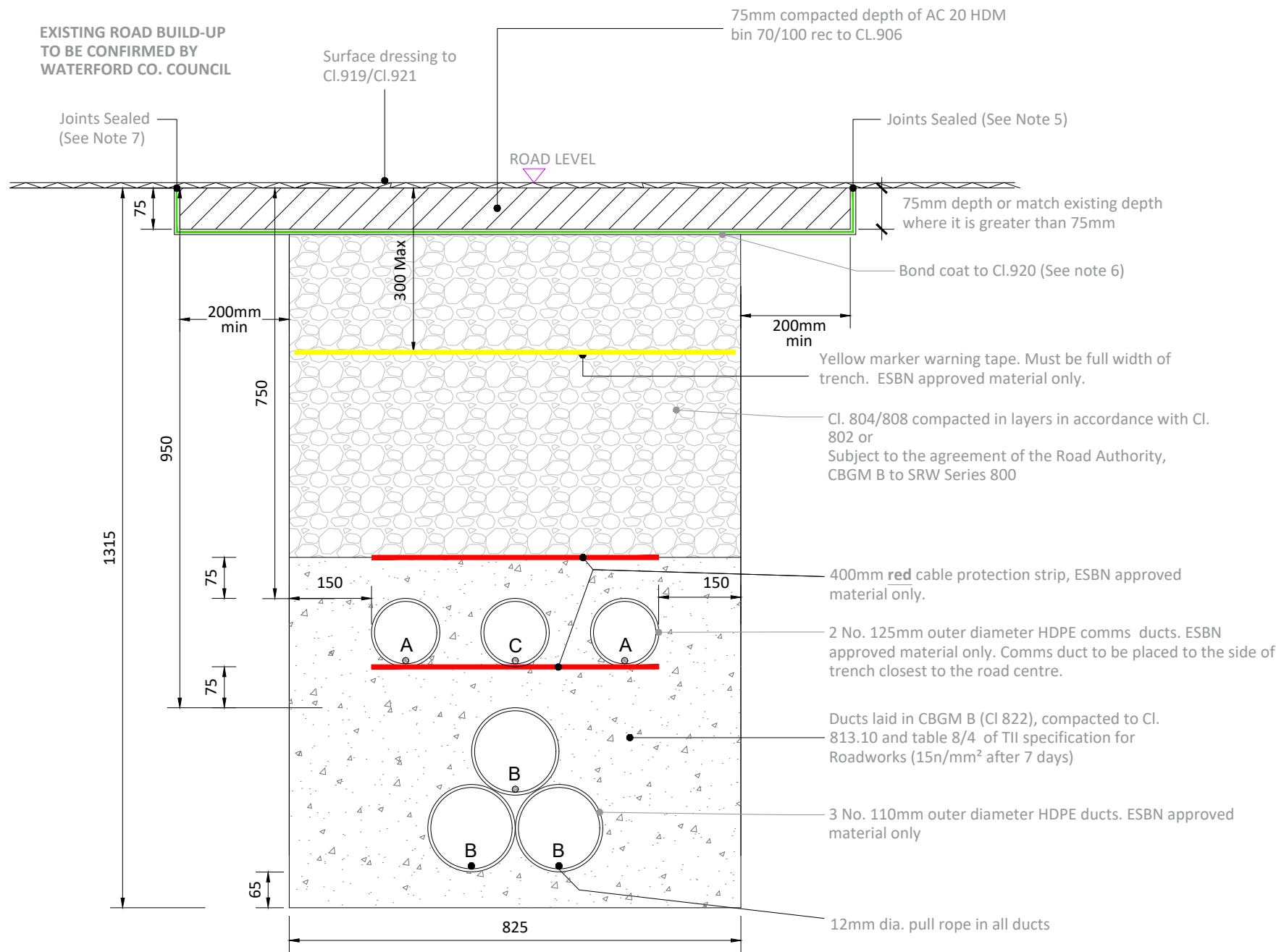
05854-DR-143

P1	09.11.2023	Issued for Planning
I/R	DATE	DESCRIPTION

P1	09.11.2023	Issued for Planning
I/R	DATE	DESCRIPTION

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I/R	DATE	DESCRIPTION

Reinstatement details based on Guidelines for Managing Openings in Public Roads - SD5



A = 125mm: Outer Diameter HDPE ESB Approved Duct, SDR=17.6
B = 160mm: Outer Diameter HDPE ESB Approved Duct, SDR= 21
C = 125mm: Outer Diameter HDPE ESB Approved Duct, SDR=17.6

Note:

- 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

Typical Section Through Permanent Reinstatement of Longitudinal Opening in Roadway

SCALE 1:10

- Note:
- Refer to Guidelines for managing Openings in Public Roads (Purple Book - April 2017), Chapter 6 'Specifications' for guidance on Duct type / colour and Marker Tape type / colour.
 - All bound edges shall be saw cut to expose the full vertical thickness of each layer prior to excavation. All edges shall be essentially straight, smooth and vertical.
 - Where a temporary surface has been used, material shall be planed out to the depth specified in this drawing. The new permanent surface shall be machined laid and mechanically compacted with a vibrating roller.
 - Where the trimmed edge of excavation is within 400mm* of a joint / edge, ironwork or other reinstatement, this trimmed edge shall be extended to include same and the area of reinstatement shall be extended accordingly (* increase to 800mm where this is pre-existing practice).
 - Any damaged area adjacent to the opening and resulting from the excavation operation shall be included within the area to be reinstated.
 - Clause 808 or Cement Bound Granular Material surface to be sprayed per clause 920 prior to application of Asphalt Concrete Layer.
 - Joint sealer shall be a hot 40/60 pen bitumen binder or cold thixotropic bitumen 50-70 pen to be applied to all vertical cuts in accordance with B.S. 594987 prior to application of bituminous materials.
 - Joints sealed with hot bitumen and topped with fine sand/grid to get a minimum 55 skid resistance value as determined by the Portable Skid Resistance Pendulum and shall not exceed 3mm depth
 - For roads without asphalt concrete surface (e.g. may be Cl.804 with double surface dressing), the road authority may as its discretion permit the temporary reinstatement surface of asphalt concrete to be regulated in lieu of excavation and reinstatement; and subsequently surface dressed.
 - On highly trafficked roads services must have a minimum cover of 750mm.
 - Where required by the Road authority the trench may be reinstated with a Cement Bound Granular Material.

ALL REINSTATEMENT WORKS ARE TO BE IN ACCORDANCE WITH LOCAL AREA ENGINEERS REQUIREMENTS AND GUIDELINES FOR MANAGING OPENINGS IN PUBLIC ROADS



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Scart Mountain WF
110 kV Grid Connection

PROJECT NUMBER
05-854

SHEET NUMBER
05854-DR-204

SHEET TITLE

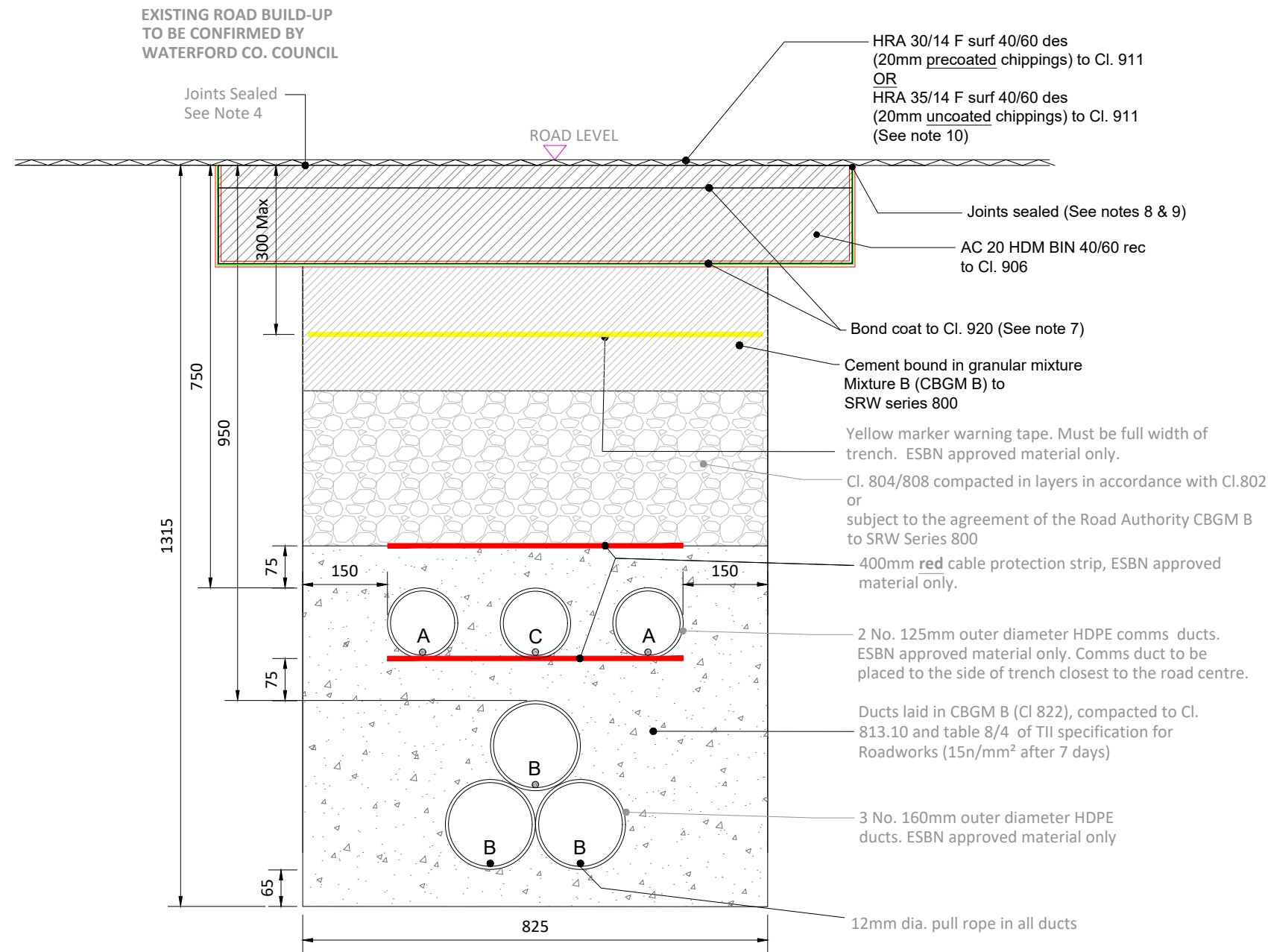
110 kV Cable Ducts in Local Road
Permanent Reinstatement to SD5

DRAWING STATUS
For Planning

ISSUE/REVISION

ISSUE/REVISION		
P1	09.11.2023	Issued for Planning
I/R	DATE	DESCRIPTION

Reinstatement details based on Guidelines for Managing Openings in Public Roads - SD6



A = 125mm: Outer Diameter HDPE ESB Approved Duct, SDR=17.6
B = 160mm: Outer Diameter HDPE ESB Approved Duct, SDR= 21
C = 125mm: Outer Diameter HDPE ESB Approved Duct, SDR=17.6

- Note:**
1. Refer to Guidelines for managing Openings in Public Roads (Purple Book - April 2017), Chapter 6 'Specifications' for guidance on duct type / colour and marker Tape type / colour.
 2. All bound edges shall be saw cut to expose the full vertical thickness of each layer prior to excavation. All edges shall be essentially straight, smooth and vertical.
 3. As a minimum the reinstatement layer shall match existing bound AC layers or depths shown.
 4. Where a temporary surface has been used, material shall be planed out to the depth specified in this drawing. The new permanent surface shall be machined laid and mechanically compacted with a vibrating roller.
 5. The above surface and binder courses and CBGM road base can be replaced by 40mm rolled Asphalt Surface Course to Clause 911 on 60mm deep asphalt concrete base course to Clause 906 on 200mm of asphalt concrete road base (40mm nominal size) to Clause 903.
 6. Where the trimmed edge of excavation is within 400mm* of a joint / edge, ironwork or other reinstatement, this trimmed edge shall be extended to include same and the area of reinstatement shall be extended accordingly (* increase to 800mm where this is pre-existing practice).
 7. Clause 808 or Cement Bound Granular Material surface to be sprayed per clause 920 prior to application of Asphalt Concrete Layer.
 8. Joint sealer shall be a hot 40/60 pen bitumen binder or cold thixtropic bitumen 50 -70 pen to be applied to all vertical cuts in accordance with B.S.594987 prior to application of bituminous materials.
 9. Joints sealed with hot bitumen and topped with fine sand/grit to get a minimum 55 skid resistance value as determined by the Portable Skid Resistance Pendulum used in accordance with Road Note 27 and shall not exceed 3mm depth and 50mm width or other method approved by the road authority.
 10. Surface course to match existing surfaces unless otherwise directed by road authority.
 11. The coarse aggregate in the asphalt concrete surface course shall have a polished stone value of not less than 60.
 12. Cycle lane to be reinstated to match existing surfaces (where applicable). (See Guidelines for Managing Openings in Public Roads Ch5.)
 13. Any damaged area adjacent to the opening and resulting from the excavation operation shall be included within the area to be reinstated.
 14. All reinstatement works are to be in accordance with local area engineer's requirements and guidelines for managing openings in public roads
 15. This drawing is to be read in conjunction with relevant drawings, specifications and reports.
 16. Dimensions are in millimeters, unless noted otherwise. Drawings are not to be scaled. Use figured dimensions only.
 17. The contractor shall provide test certificates confirming that the thermal resistivity of CGBM is maximum 1K.m/W.
 18. Only 1 no. ESB Comms duct may be required if ESB specify.

ALL REINSTATEMENT WORKS ARE TO BE IN ACCORDANCE WITH LOCAL AREA ENGINEERS' REQUIREMENTS AND GUIDELINES FOR MANAGING OPENINGS IN PUBLIC ROADS

TOP 40mm TO BE PLANED ONCE GROUND SETTLED AFTER 6 MONTHS.

- Note:**
- 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

Typical Section Through Permanent Reinstatement of Longitudinal Opening in Heavily Trafficked/Regional Roadway

SCALE 1:10



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Scart Mountain Wind Farm
110 kV Grid Connection

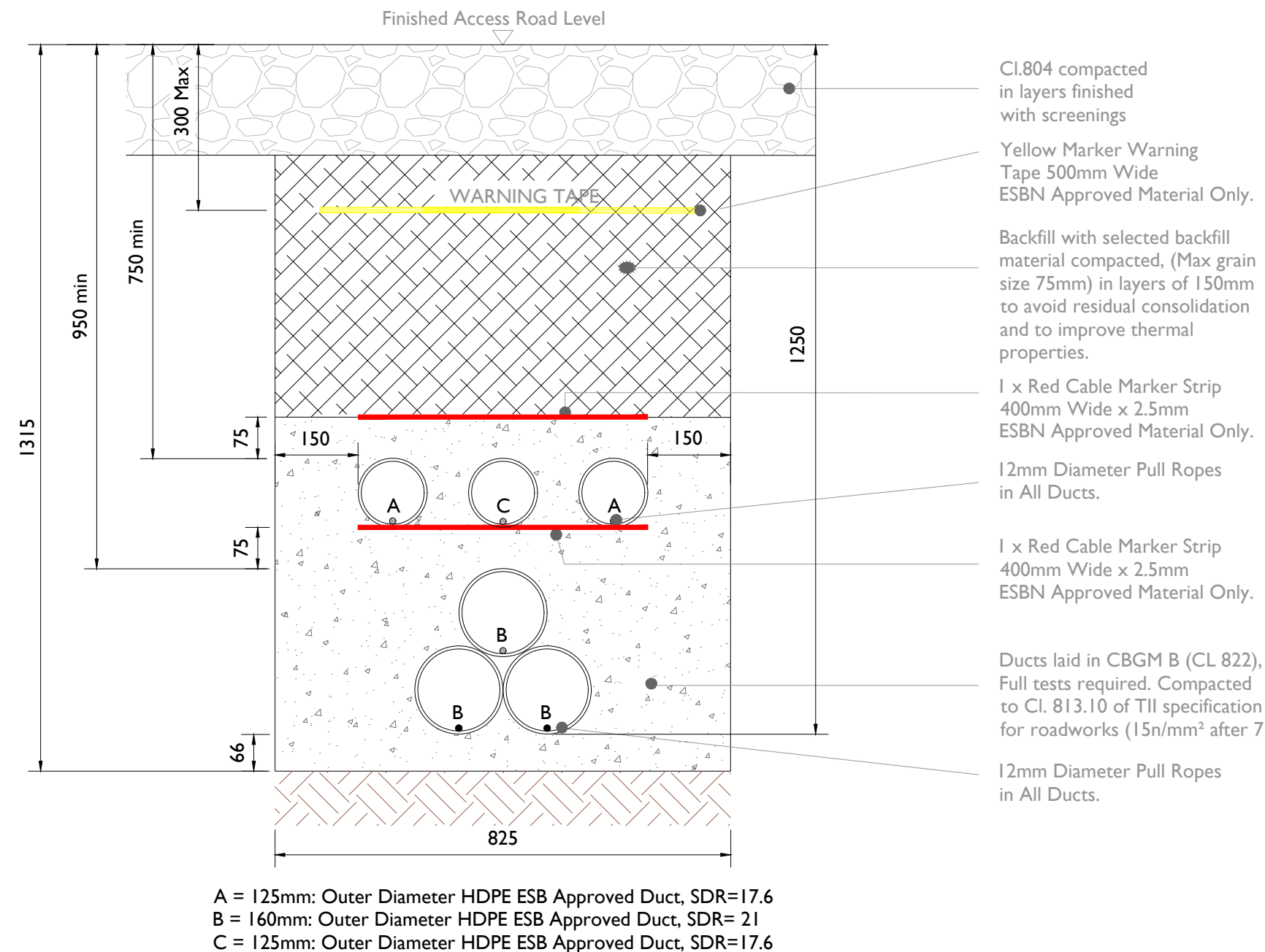
PROJECT NUMBER
05-854

SHEET NUMBER
05854-DR-205

SHEET TITLE
110 kV Cable Ducts in Local Road
Permanent Reinstatement to SD6

DRAWING STATUS
For Planning

ISSUE/REVISION		
P1	09.11.2023	Issued for Planning
I/R	DATE	DESCRIPTION



Section Through Access Road

SCALE 1:10

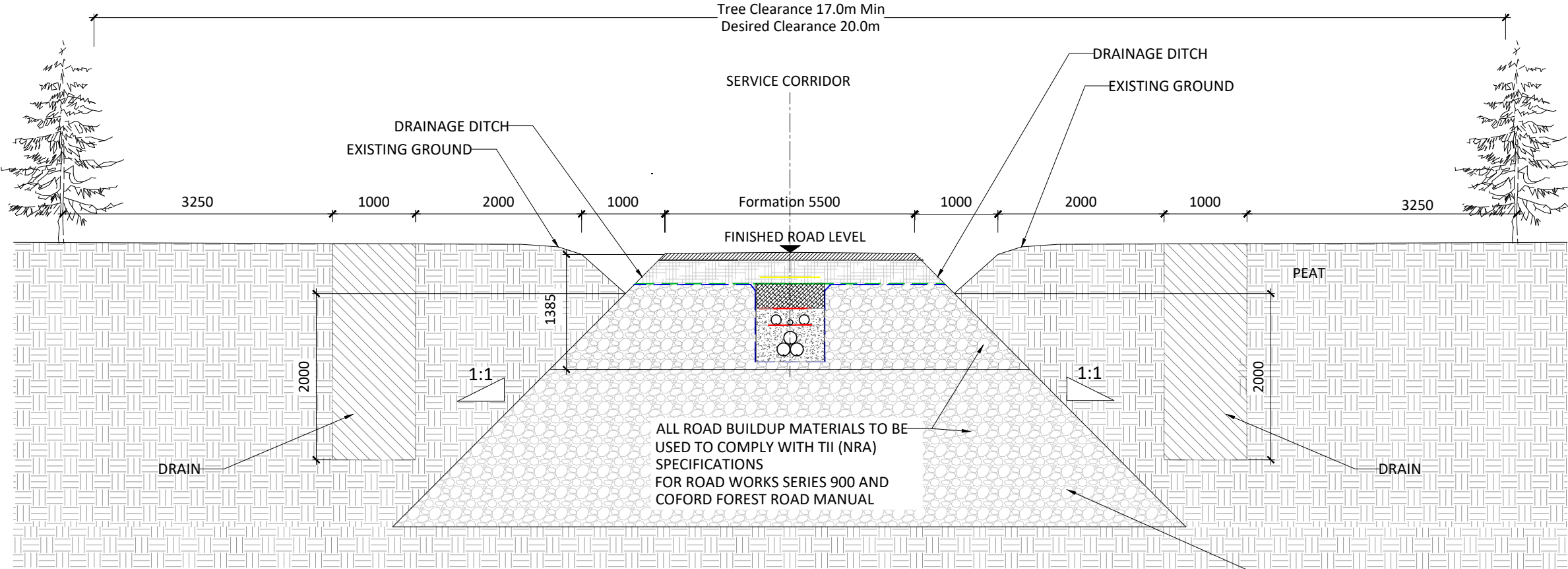
Note:

- 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

**ALL REINSTATEMENT WORKS ARE TO BE IN
ACCORDANCE WITH LANDOWNERS
REQUIREMENTS**

LEGEND:

SECUGRID 40/40 GEOGRID	
TENSAR Tx160 GEOGRID	
GEOTEXTILE	
BASE WEARING COURSE	
PEAT COMPOSITION	
EXISTING MATERIAL	
NEW ROAD BUILD UP MATERIAL	



Forestry Road Section

Scale : NTS

NOTE: THIS DRAWING IS FOR PEAT DEPTHS BELOW 2.5m
CABLE LOCATION SHOWN ARE INDICATIVE AND SUBJECT TO CHANGE DURING DETAIL DESIGN
FORMATION - PEAT STRIPPED OFF 7.5M WIDTH
FINISHED FORMATION 5.5M WIDE
TREE CLEARANCE - MINIMUM REQUIRED 17.5M WIDTH
DESIRABLE 20M

THERMAL RESISTIVITY OF
BUILD-UP MATERIAL TO BE
MAXIMUM 1.2km/W

- Note:
1. This drawing is subject to planning approval and should not be used for construction.
 2. This drawing is to be read in conjunction with relevant drawings, specifications and reports.
 3. Dimensions are in millimeters, unless noted otherwise.
 4. Drawings are not to be scaled use figured dimensions only.
 5. Underground cable circuit spacing to be determined during detailed design, road layout may change during detailed design with site investigation results.



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PROJECT

Scart Mountain Wind Farm
110 kV Grid Connection

PROJECT NUMBER
05-854

SHEET NUMBER
05854-DR-208

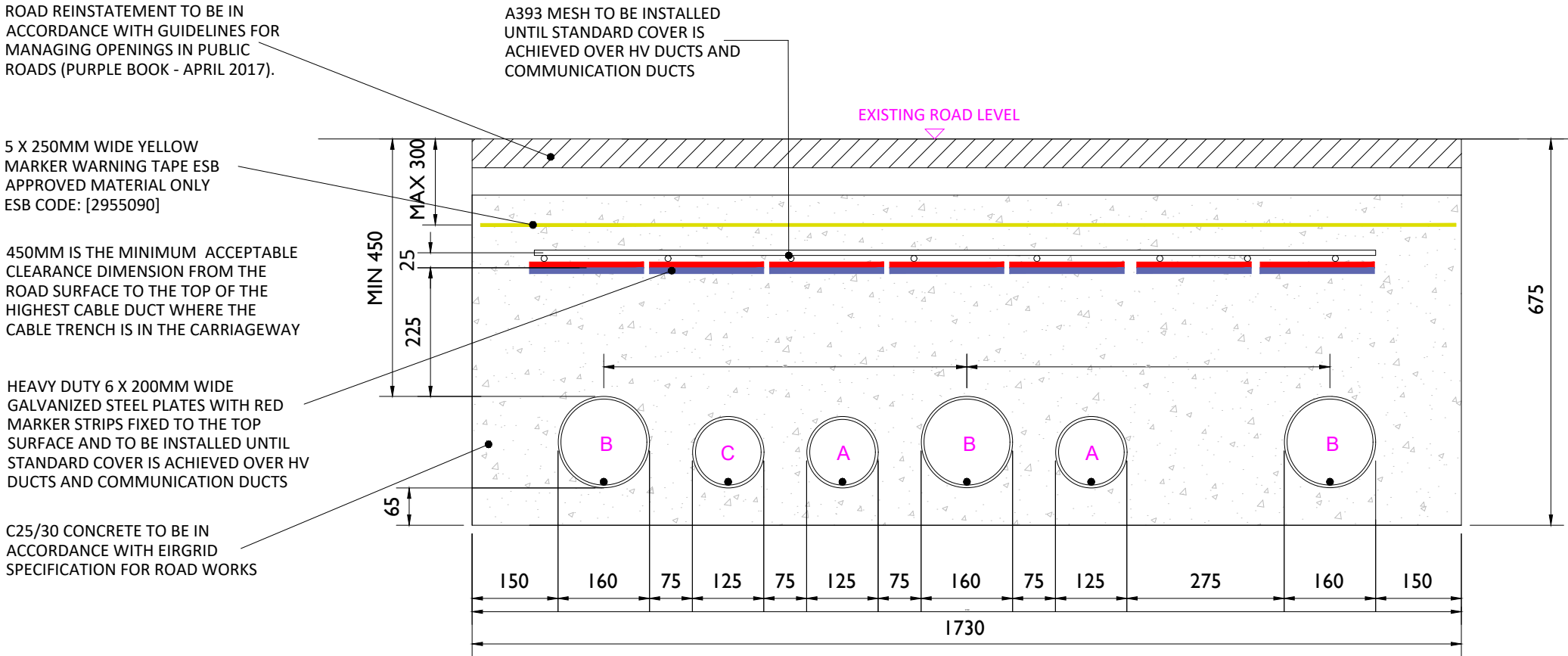
SHEET TITLE

Forestry Access Road
with Service Corridor

DRAWING STATUS
For Planning

ISSUE/REVISION

P1	10.06.2024	Issued for Planning
I/R	DATE	DESCRIPTION



A = 125mm: OUTER DIAMETER HDPE ESB APPROVED DUCT, SDR = 17.6 (COMMS)
B = 160mm: OUTER DIAMETER HDPE ESB APPROVED DUCT, SDR = 21 (POWER)
C = 125mm: OUTER DIAMETER HDPE ESB APPROVED DUCT, SDR = 17.6 (ECC)

Section Through Ducting in Flat Formation

SCALE 1:10

- Note:
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 - Drawings are not to be scaled use figured dimensions only

ALL REINSTATEMENT WORKS ARE TO BE IN ACCORDANCE WITH LOCAL AREA ENGINEERS LANDOWNERS REQUIREMENTS AND GUIDELINES FOR MANAGING OPENINGS IN PUBLIC ROADS



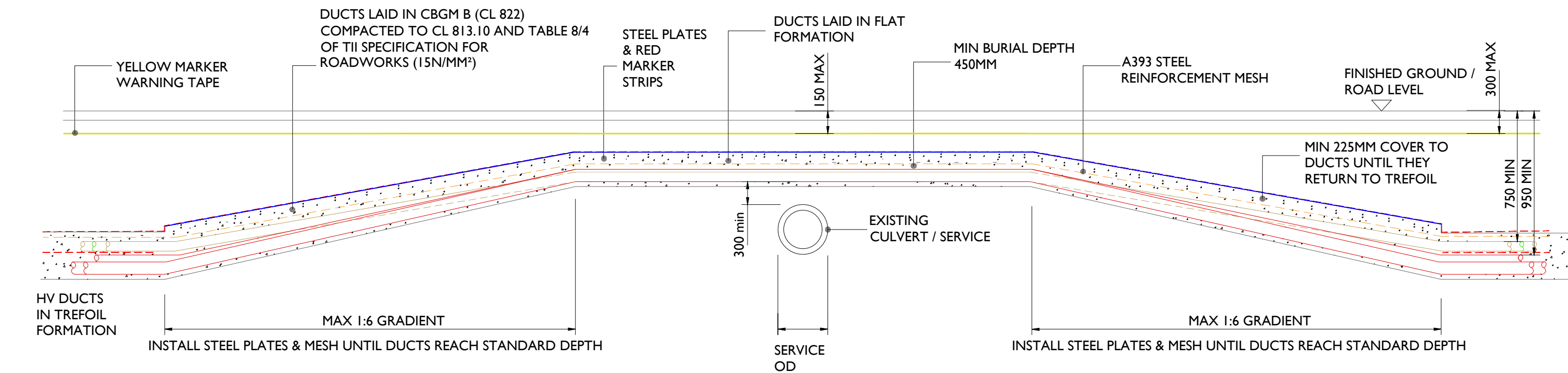
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Tel: 00353 66 7135710



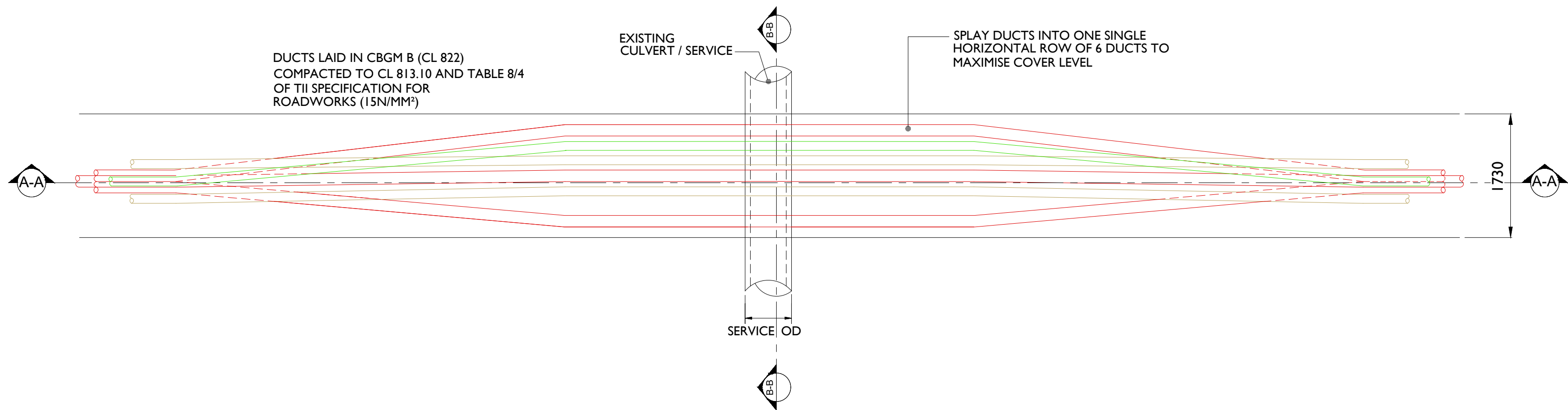
CLIENT
PROJECT
Scart Mountain Wind Farm
110 kV Grid Connection
PROJECT NUMBER
05-854
SHEET NUMBER
05854-DR-209

SHEET TITLE
Section Through Ducting
in Flat Formation
DRAWING STATUS
For Planning

ISSUE/REVISION		
P2	10.06.2024	Issued for Planning
P1	09.11.2023	Issued for Planning
I/R	DATE	DESCRIPTION



Section A-A
SCALE 1:50



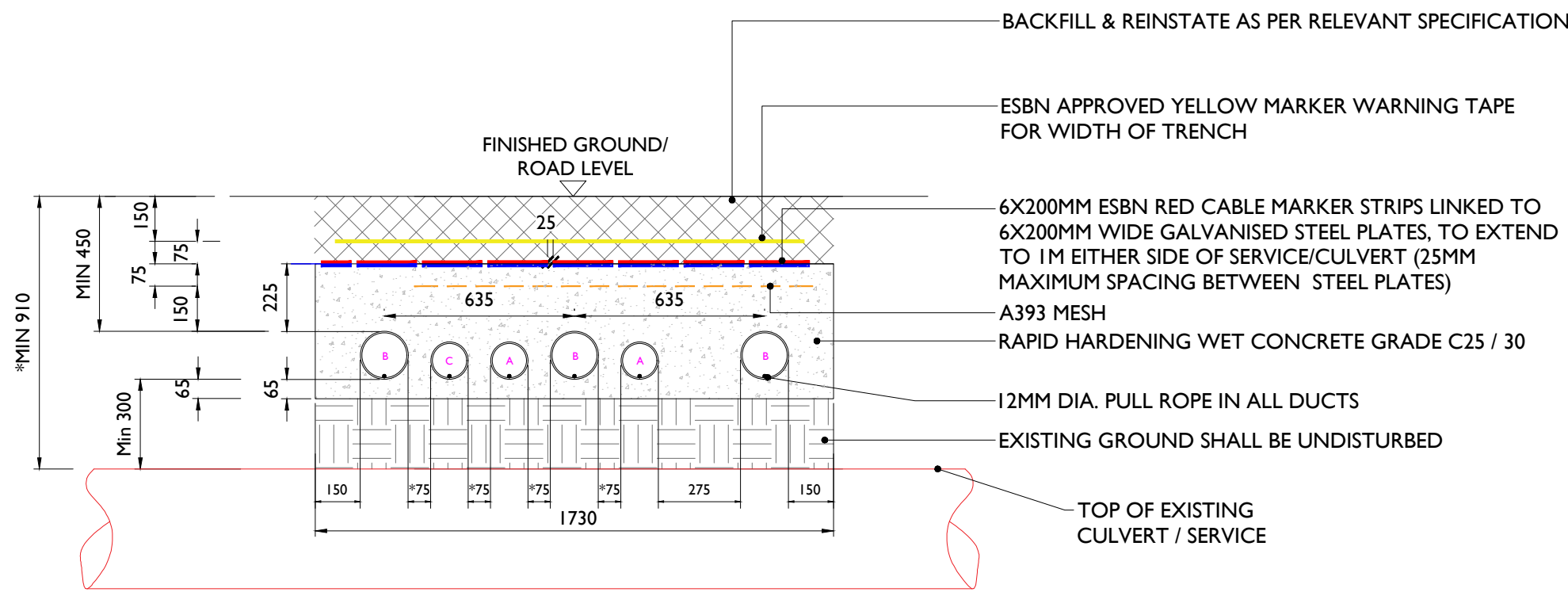
Plan View
SCALE 1:50

GENERAL NOTES:

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2. DO NOT SCALE FROM THIS DRAWING USE ONLY PRINTED DIMENSIONS
3. ALL DIMENSIONS ARE IN MILLIMETRES, ALL CHAINAGES, LEVELS AND CO-ORDINATES ARE IN METRES UNLESS DEFINED OTHERWISE.
4. NO EXCAVATION SHALL COMMENCE UNTIL THE CONTRACTOR HAS CONSULTED UP TO DATE SERVICES DRAWINGS AND CARRIED OUT AN ELECTROMAGNETIC LOCATOR (EML) SCAN.
5. HAND DIG ONLY WITHIN 500MM OF EXISTING SERVICES.
6. IF COMPACTING CBGM B COULD CAUSE DAMAGE TO THE CULVERT / SERVICE BELOW, USE RAPID HARDENING CEMENT GRADE C25/30 FOLLOWING ENGINEERS PRIOR APPROVAL.
7. 300MM MINIMUM VERTICAL AND HORIZONTAL CLEARANCES TO BE OBSERVED BETWEEN CABLE DUCTS AND 3RD PARTY SERVICES (E.G. GAS PIPES, WATER MAINS, CULVERTS ETC.). GREATER CLEARANCES MAY BE REQUIRED IN PROXIMITY TO HIGH PRESSURE MAINS. DESIGNER TO CONSULT WITH 3RD PARTY SERVICE OWNERS FOR GUIDANCE.
8. FOR STANDARD TRENCH CROSS SECTION DRAWINGS AND MINIMUM HORIZONTAL SEPARATION TO EXISTING SERVICES, SEE 05854-DR-201 to 05854-DR-208 (TREFOIL CONFIGURATION) AND 05854-DR-209 (FLAT FORMATION).
9. BACKFILL AS PER GUIDELINES FOR MANAGING OPENINGS IN PUBLIC ROADS - GUIDELINES FOR THE OPENING, BACKFILLING AND REINSTATEMENT OF OPENINGS IN PUBLIC ROADS (2017).
10. **EIRGRID'S PREFERENCE IS TO CROSS UNDER EXISTING SERVICES WHERE POSSIBLE.**
11. THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF ALL TEMPORARY WORKS. THE CONTRACTOR SHALL APPOINT A TEMPORARY WORKS DESIGNER, AND SUBMIT TEMPORARY WORKS DESIGN TO PSDP FOR REVIEW.
12. 225 MM MINIMUM CONCRETE OVER DUCTS WHERE THEY TRANSITION FROM STANDARD CROSS SECTION AND WHERE THEY ARE AT LESS THAN STANDARD COVER TO GROUND LEVEL.
13. THE OWNER OF THE EXISTING UTILITY BEING CROSSED MUST BE CONSULTED IN ADVANCE OF WORKS COMMENCING AS PER THEIR GUIDELINES.
14. REPLACE EXISTING SERVICE MARKER TAPE OVER ESB YELLOW MARKER TAPE.
15. THE CONTRACTOR SHALL RECORD DETAILED AS-BUILT INFORMATION AS PER THE SPECIFICATION. AT ALL CROSSING LOCATIONS THESE RECORDS SHALL INCLUDE PHOTOGRAPHIC EVIDENCE CLEARLY DEMONSTRATING THAT MINIMUM SERVICE CLEARANCES AND DUCT SEPARATIONS HAVE BEEN ACHIEVED.

LEGEND

- 160MM Ø HDPE POWER DUCT WITH 12MM DIAMETER PULL ROPE
- 125MM Ø HDPE COMMUNICATION DUCT WITH 12MM DIAMETER PULL ROPE
- 125MM Ø HDPE ECC DUCT WITH 12MM DIAMETER PULL ROPE
- RED MARKER STRIP
- YELLOW MARKER WARNING TAPE
- A393 STEEL REINFORCEMENT MESH
- 6MM GALVANISED STEEL PLATE



- A = 125MM OUTER DIAMETER HDPE ESB APPROVED COMMS DUCT, SDR=17.6
- B = 160MM OUTER DIAMETER HDPE ESB APPROVED POWER DUCT, SDR=21
- C = 125MM OUTER DIAMETER HDPE ESB APPROVED ECC DUCT, SDR=17.6

Section B-B
SCALE: 1:20



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PROJECT

Scart Mountain Wind Farm
110 kV Grid Connection

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NOTES: -

- See General Notes

LEGEND: -

ISSUE/REVISION

NO.	DATE	DESCRIPTION

PI	10.06.2024	Issued for Planning
I/R	DATE	DESCRIPTION

PROJECT NUMBER

05-854

SHEET TITLE

110kV Service/Culvert Undercrossing
Detail Drawing

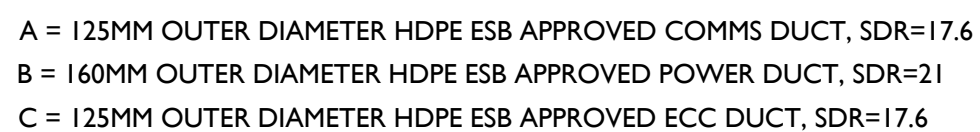
SHEET NUMBER

05854-DR-210



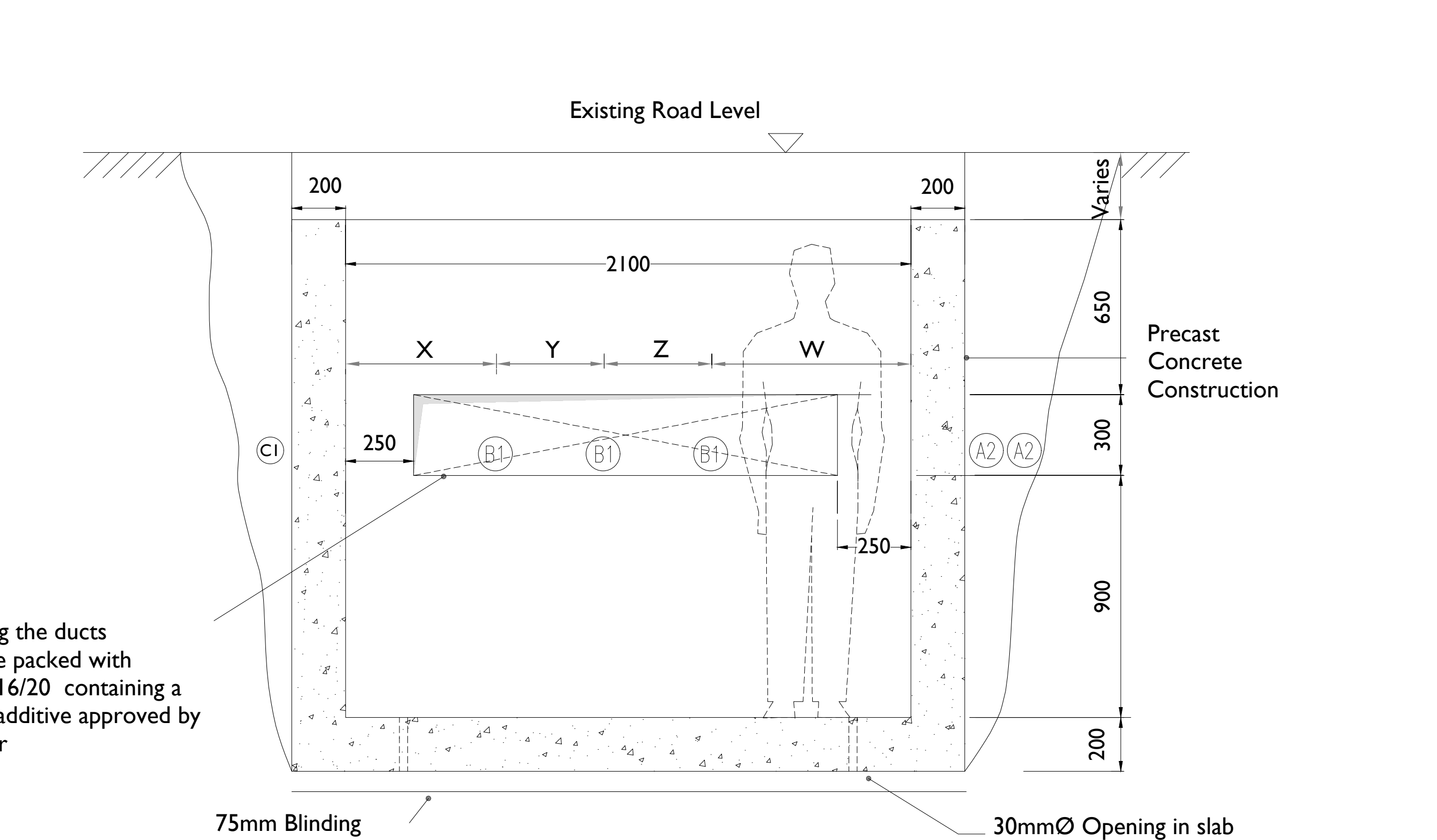
1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DOCUMENTATION.
2. DO NOT SCALE FROM THIS DRAWING USE ONLY PRINTED DIMENSIONS
3. ALL DIMENSIONS ARE IN MILLIMETRES, ALL CHAINAGES, LEVELS AND CO-ORDINATES ARE IN METRES UNLESS DEFINED OTHERWISE.
4. NO EXCAVATION SHALL COMMENCE UNTIL THE CONTRACTOR HAS CONSULTED UP TO DATE SERVICES DRAWINGS AND CARRIED OUT AN ELECTROMAGNETIC LOCATOR (EML) SCAN.
5. HAND DIG ONLY WITHIN 500MM OF EXISTING SERVICES.
6. IF COMPACTING CBGM B COULD CAUSE DAMAGE TO THE CULVERT / SERVICE BELOW, USE RAPID HARDENING CEMENT GRADE C25/30 FOLLOWING ENGINEERS PRIOR APPROVAL.
7. FOR STANDARD TRENCH CROSS SECTION DRAWINGS AND MINIMUM HORIZONTAL SEPARATION TO EXISTING SERVICES, SEE 05854-DR-201 to 05854-DR-208 (TREFOIL CONFIGURATION) AND 05854-DR-209 (FLAT FORMATION).
8. WHERE DEPTHS EXCEED 2500MM TO THE TOP OF DUCT THE CONTRACTOR SHALL CONSULT THE CABLE SYSTEM DESIGN ENGINEER FOR PHASE SPACING REQUIREMENTS.
9. BACKFILL AS PER GUIDELINES FOR MANAGING OPENINGS IN PUBLIC ROADS - GUIDELINES FOR THE OPENING, BACKFILLING AND REINSTATEMENT OF OPENINGS IN PUBLIC ROADS (2017).
11. **EIRGRID'S PREFERENCE IS TO CROSS UNDER EXISTING SERVICES WHERE POSSIBLE.**
12. THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF ALL TEMPORARY WORKS. THE CONTRACTOR SHALL APPOINT A TEMPORARY WORKS DESIGNER, AND SUBMIT TEMPORARY WORKS DESIGN TO PSPD FOR REVIEW.
13. 225 MM MINIMUM CONCRETE OVER DUCTS WHERE THEY TRANSITION FROM STANDARD CROSS SECTION AND WHERE THEY ARE AT LESS THAN STANDARD COVER TO GROUND LEVEL.
14. THE OWNER OF THE EXISTING UTILITY BEING CROSSED MUST BE CONSULTED IN ADVANCE OF WORKS COMMENCING AS PER THEIR GUIDELINES.
15. REPLACE EXISTING SERVICE MARKER TAPE OVER ESB YELLOW MARKER TAPE.
16. THE CONTRACTOR SHALL RECORD DETAILED AS-BUILT INFORMATION AS PER THE SPECIFICATION. AT ALL CROSSING LOCATIONS THESE RECORDS SHALL INCLUDE PHOTOGRAPHIC EVIDENCE CLEARLY DEMONSTRATING THAT MINIMUM SERVICE CLEARANCES AND DUCT SEPARATIONS HAVE BEEN ACHIEVED.

	160MM Ø HDPE POWER DUCT WITH 12MM DIAMETER PULL ROPE
	125MM Ø HDPE COMMUNICATION DUCT WITH 12MM DIAMETER PULL ROPE
	125MM Ø HDPE EARTH CONTINUITY CONDUCTOR DUCT WITH 12MM DIAMETER PULL ROPE
	RED MARKER STRIP OR STEEL PLATES
	YELLOW MARKER WARNING TAPE
	6MM GALVANISED STEEL PLATE
	EXISTING SERVICE TAPE



SCALE: 1:20

05854-DR-211



A2 Ø125mm HDPE Duct (Comms)
 B1 Ø160mm HDPE Duct
 C1 Ø125mm HDPE DUCT

	X	Y	Z	W
110kV	560	400	400	760

PROJECT

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NOTES: -

- See General Notes

LEGEND: -

ISSUE/REVISION

PI	10.06.2024	Issued for Planning
I/R	DATE	DESCRIPTION

PROJECT NUMBER

05-854

SHEET TITLE

110kV Joint Bay Plan & Sections

SHEET NUMBER

05854-DR-212



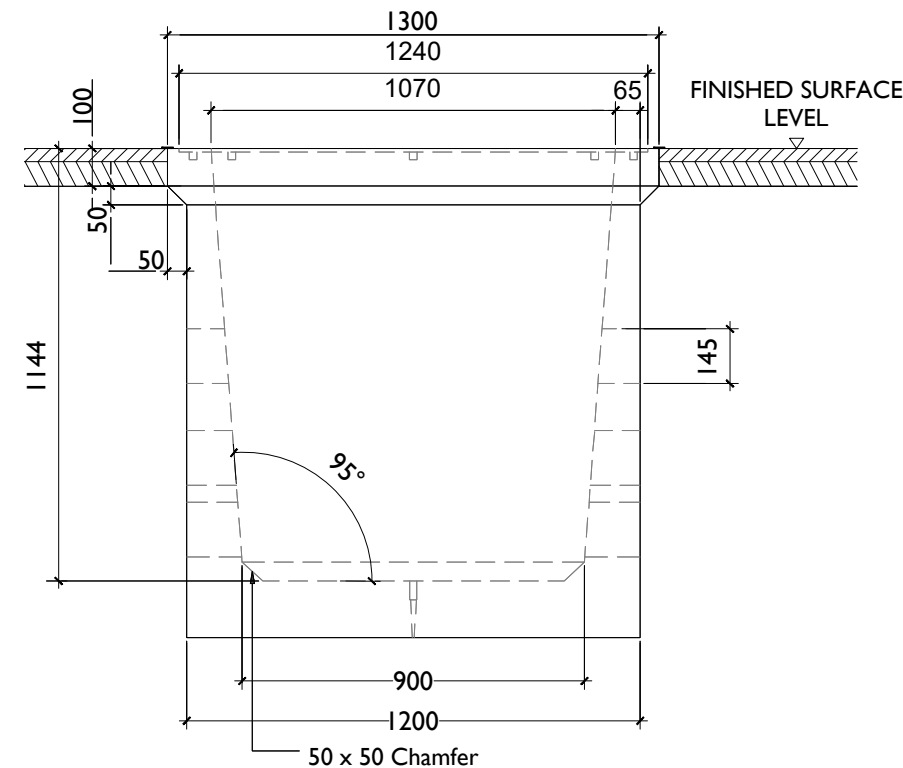
- (A2) Ø125mm HDPE Duct (comms)
 (B1) Ø160mm HDPE Duct
 (C1) Ø125mm HDPE DUCT

- GENERAL NOTES:

1. This drawing is to be used only for the purpose of issue and is subject to amendment.
2. This drawing is to be read in conjunction with all other relevant information.
3. Do not scale from this drawing, use only printed dimensions.
4. All dimensions are in millimetres unless defined otherwise.
5. Standard foundations are based on the formation at the base of the excavation shown being suitable for a minimum bearing pressure of 100kN/m². Suitability of standard Joint Bay foundations can only be confirmed following ground investigation. Hand vane tests shall be required as per GI specification. Where specified minimum bearing pressure is not achievable, and where peat is encountered, the contractor shall refer to the engineer for guidance.
6. The length of bonding lead length shall in no case exceed 10m. No joints in bonding cable are permitted.
7. All earthing shall be in accordance with ENA ER C55 and Eirgrid/ESBN functional specification
8. The depth from ground/road level to the top of the concrete wall shall be
 - A. 500mm - in cultivated fields & grass land
 - B. 300mm - in paved roads and grass verges
 - C. 350mm - in paved city roads and grass verges
9. Link Box Chambers to be positioned at the edge or off road
10. Link Box Chambers and C2 Comm Chambers final positioning to be agreed with Eirgrid prior to installation

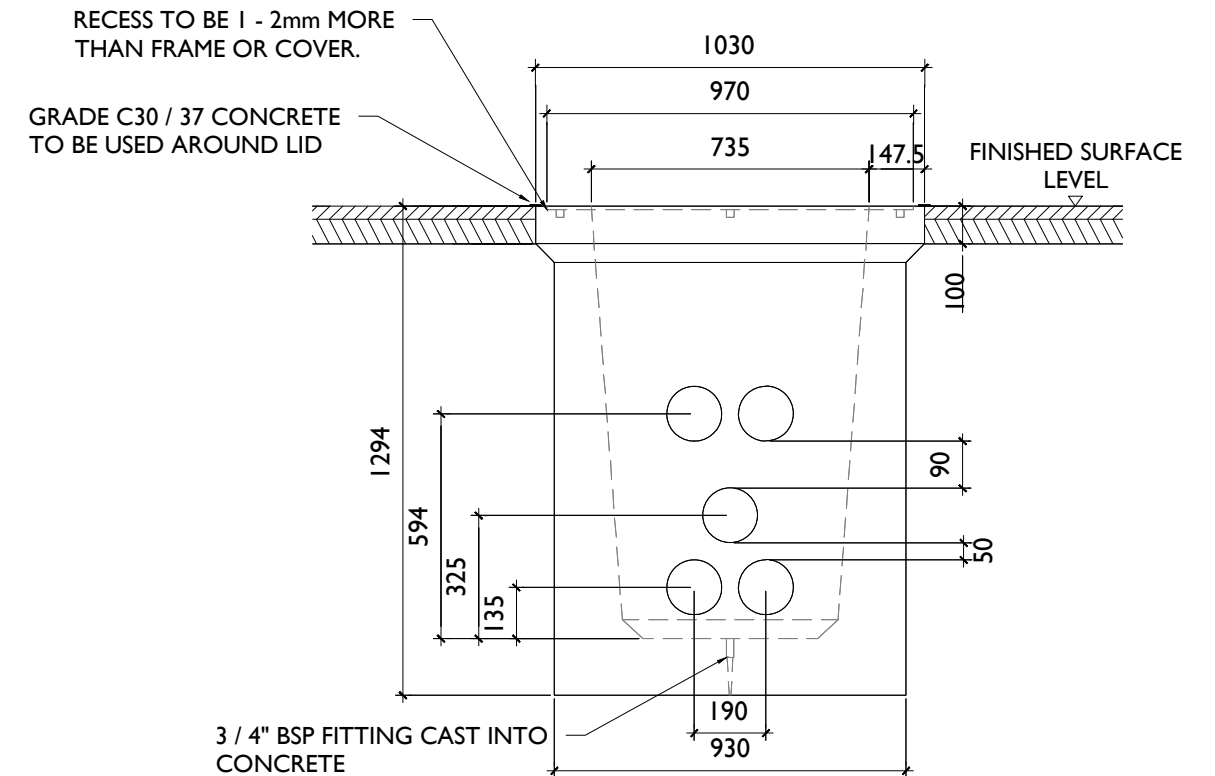
NOTES:

1. ALL DIMENSION IN MILLIMETERS UNLESS OTHERWISE STATED
2. REINSTATEMENTS TO COMPLY WITH REQUIREMENTS OF THE RELEVANT LOCAL AUTHORITY/ASSET OWNER
3. ENTRANCE AND EXIT DUCTS TO BE IN LINE
4. ALL MATERIALS AND WORKMANSHIP TO BE IN ACCORDANCE WITH NRA/T.I.I. SPECIFICATION FOR ROADWORKS, MAY 2005 & SUBSEQUENT REVISIONS
5. REINFORCED CONCRETE TO BE MINIMUM GRADE C32 / 40, SULPHATE RESISTING CEMENT TO BE USED WHERE AGGRESSIVE SOIL CONDITIONS APPLY, REFER TO TABLE 6.1 OF THE BRITISH STANDARD 8110.
6. CARRAGEWAY COVERS AND FRAMES TO BE TO B.S EN 124.
7. ALL COVERS SHALL HAVE "ESB" LOGO INCORPORATED IN THEM TO THE APPROVAL OF EIRGRID
8. STEP IRONS TO BE GOT DIPPED GALVANISED TO B.S 729 AND POSITIONED AS SHOWN ON ANY CHAMBER DEEPER THAN 700mm ON THE END REMOTE FROM ANY SIDE ENTRY DUCT.
9. CONCRETE PRECAST CHAMBER AND COVER TO BE TESTED THROUGH 5 POINTS, 40 TONNES VERTICAL STATIC LOADING TEST BY AN INDEPENDENT TEST COMPANY. IF REQUIRED, FURTHER DETAILS WILL BE PROVIDED BY EIRGRID.
10. FINAL POSITION OF C2 CHAMBERS SHALL BE AGREED WITH EIRGRID
11. IN A FOREST ENVIROMENT, BACKFILL WITH LEAN MIX OUTSIDE THE COVER FRAME WHERE THE ASPHALT IS SHOWN.



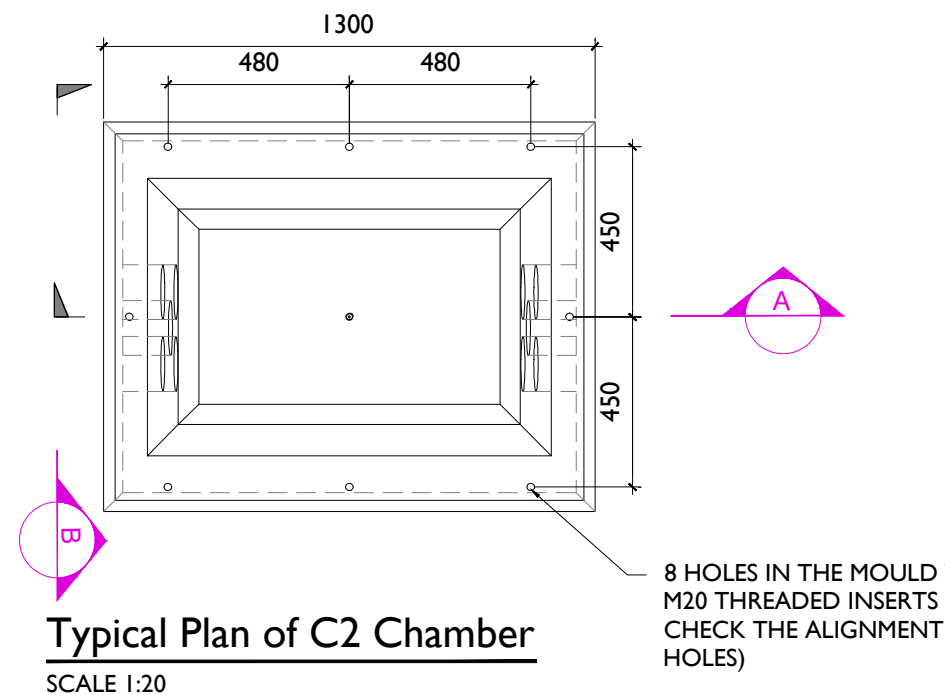
C2 Chamber Detail - Section A

SCALE 1:20



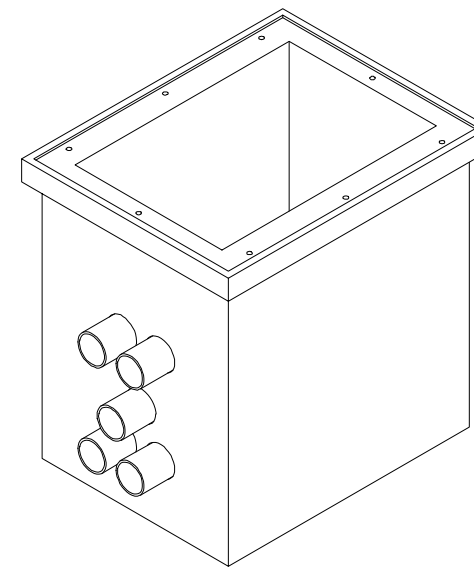
C2 Chamber Detail - Section B

SCALE 1:20



Typical Plan of C2 Chamber

SCALE 1:20



Isometric : C2 Chamber Arrangement

SCALE 1:20



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PROJECT

Scart Mountain Wind Farm
110 kV Grid Connection

PROJECT NUMBER
05-854

SHEET NUMBER
05854-DR-213

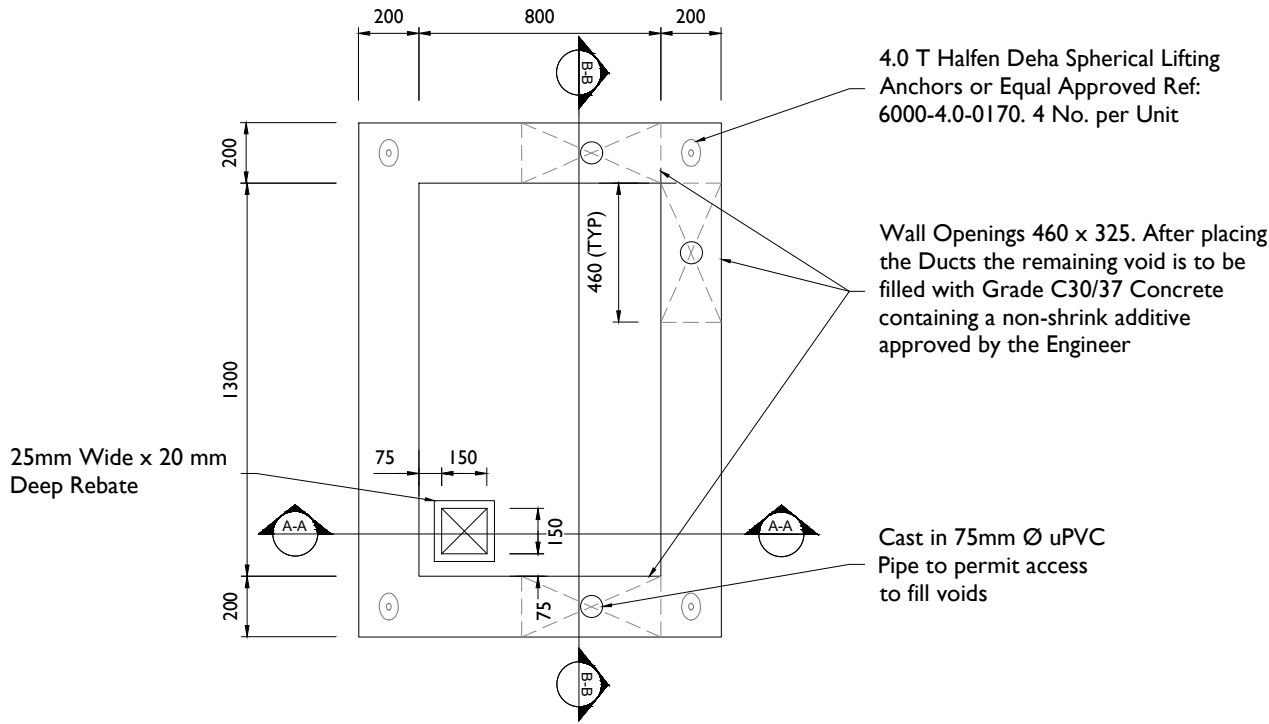
SHEET TITLE

Typical Communications
Chamber Details

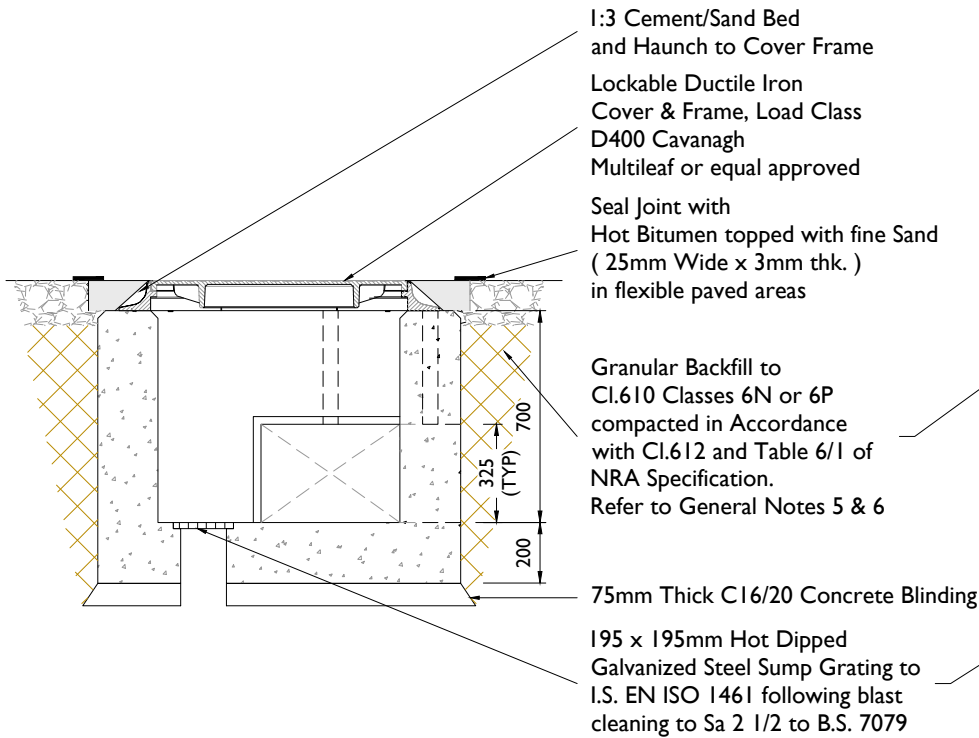
DRAWING STATUS
For Planning

ISSUE/REVISION

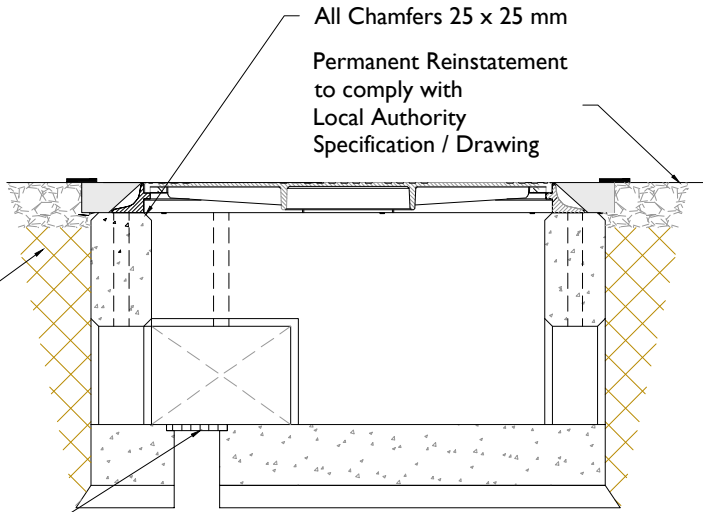
ISSUE/REVISION		
P1	10.06.2024	Issued for Planning
I/R	DATE	DESCRIPTION



Link Box Chamber Detail - Plan
Scale 1:25



Link Box Chamber Detail - Section A-A
Scale 1:25



Link Box Chamber Detail - Section B-B
Scale 1:25

GENERAL NOTES:

1. This drawing is to be read in conjunction with with EirGrid drawing PE424-D7002-010-002-002 and all relevant drawings, specifications and reports.
2. Dimensions are in millimeters, unless noted otherwise.
3. Drawings are not to be scaled use figured dimensions only.
4. The contractor shall check all dimensions prior to construction, any discrepancies to be reported to the civil site supervisor immediately.
5. Temporary supports to the sides of the excavation may be required dependant on subsoil, method of work and site constraints, and are to be agreed with the EirGrid Engineer prior to commencement of excavation. Side slopes of an unsupported excavation dependant upon subsoil and shall be agreed with EirGrid Engineer.
6. Main contractor to provide a method statement and risk assessment for the excavation works for the EirGrid Engineer to review.
7. The construction, as shown, is applicable only where the subsoil at formation level exceeds 100kN/m² Bearing capacity.
8. Suitability of the cover and chamber to be assessed by the project Engineer in circumstances of high traffic loading in accordance with the recommendations of NRA Design manual for roads and bridges addendum to HA 104/09.
9. Cover and frame to B.S. EN 124.
10. Cover shall have approved badged marking incorporated to the approval of the EirGrid Engineer.
11. All materials and workmanship to be in accordance with the NRA Specification for roadworks.
12. Reinstatement to comply with requirements of the relevant local authority/asset owner.
13. Reinforced concrete to be a minimum grade C32/40, sulphate resisting cement to be used where aggressive soil conditions apply, refer to table 6.1 OF B.S. 8110.
14. Final position of link box to be agreed with Eirgrid prior to installation.



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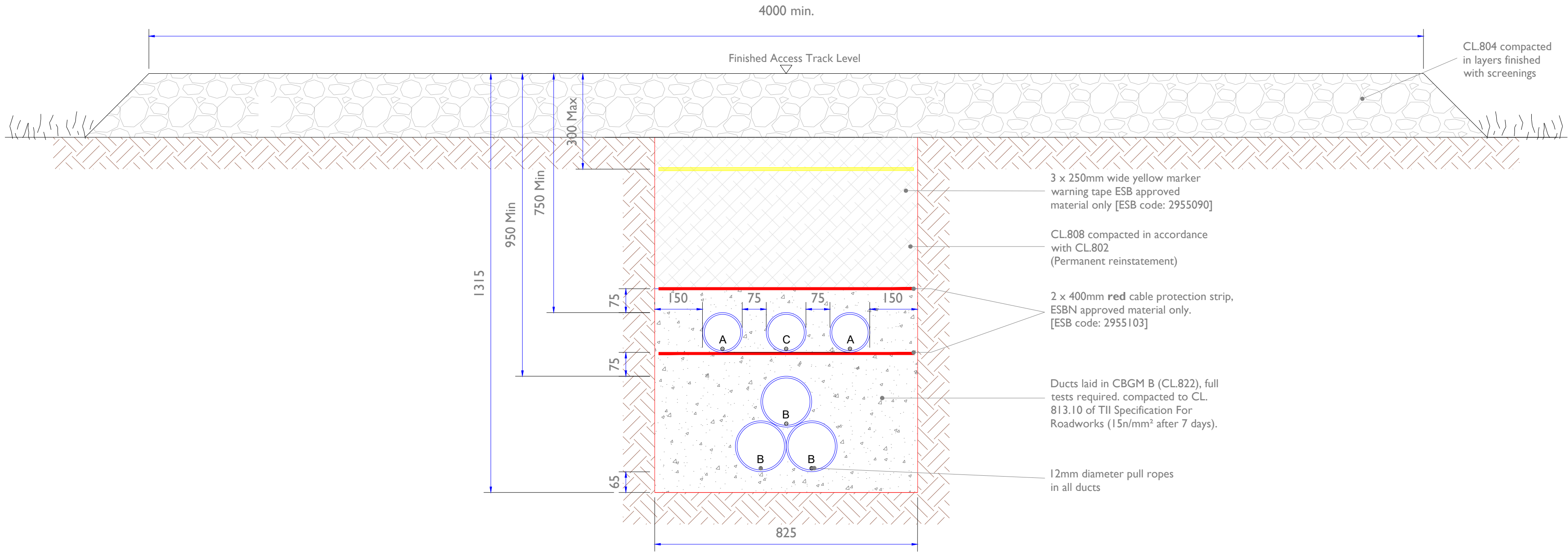
PROJECT NUMBER
05-854

SHEET NUMBER
05854-DR-214

SHEET TITLE
Typical Link Box Chamber
Details

DRAWING STATUS
Issued for Planning

ISSUE/REVISION		
P1	27.11.2024	Issued for Planning
I/R	DATE	DESCRIPTION



ALL REINSTATEMENT WORKS ARE TO BE IN ACCORDANCE WITH ACCESS TRACK DESIGN REQUIREMENTS

A = 125mm: Outer diameter HDPE ESB approved duct, SDR = 17.6 (Comms)
B = 160mm : Outer diameter HDPE ESB approved duct, SDR = 21 (Power)
C = 125mm : Outer diameter HDPE ESB approved duct, SDR =17.6 (ECC)

SECTION THROUGH OFF-ROAD ACCESS TRACK

Scale : 1:10



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Scart Mountain Wind Farm
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NOTES: -

- This design is subject to EirGrid design approval.
- This drawing is to be read in conjunction with all other relevant documentation.
- Drawing not to be used for construction purposes.
- Dimensions are in millimeters, unless noted otherwise.
- Drawings are not to be scaled use figured dimensions only.
- Drawing detail will be subject to civil detailed design following site investigations to determine ground conditions.

LEGEND: -

ISSUE/REVISION

P1	28.11.2024	Issued for Planning
I/R	DATE	DESCRIPTION

PROJECT NUMBER

05-854

SHEET TITLE

Section through Off-Road Access Track

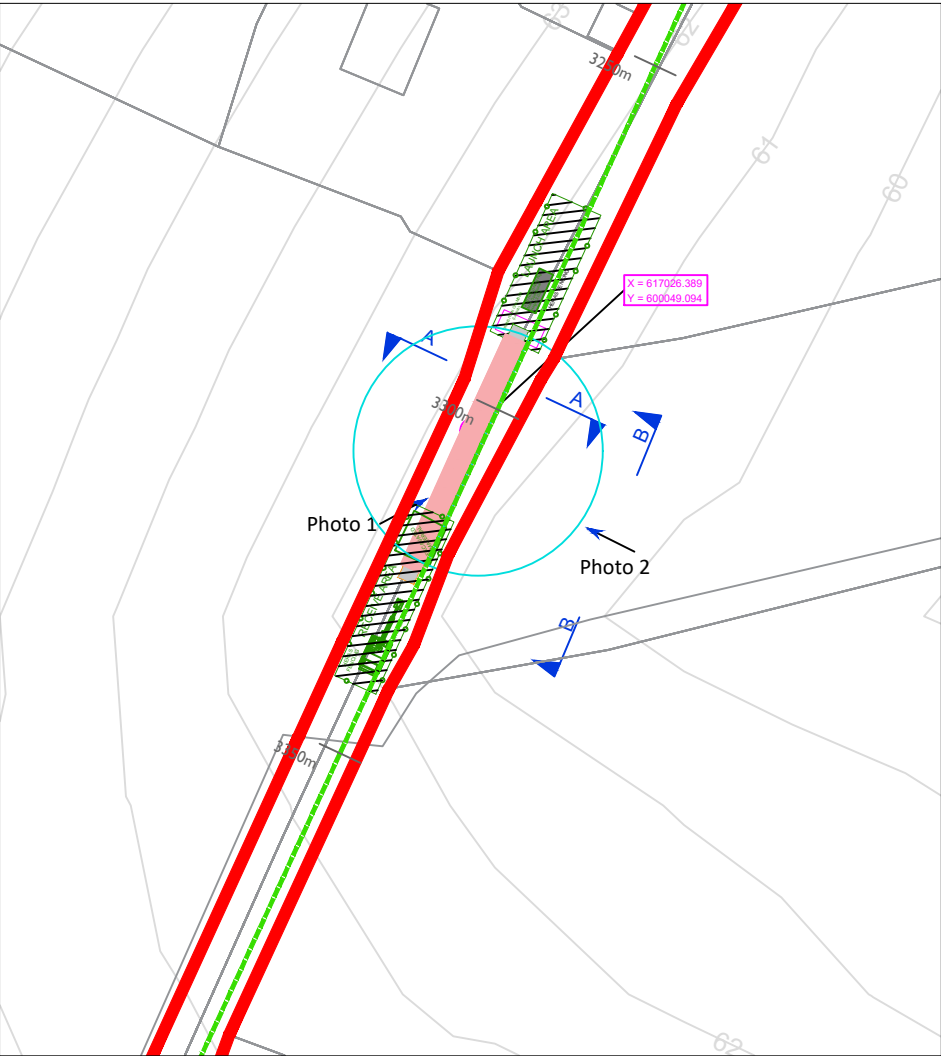
SHEET NUMBER

05854-DR-216



Photo No 1

- NOTES:
- All dimensions are shown in meters unless otherwise stated
 - No structural surveys have been carried out and the proposals are subject to detail design
 - Drawings are in compliance with ESNB/EirGrid specification requirements for shallow formation, bridge crossings, etc.
 - HDD launch and reception pit locations to be determined following site investigation

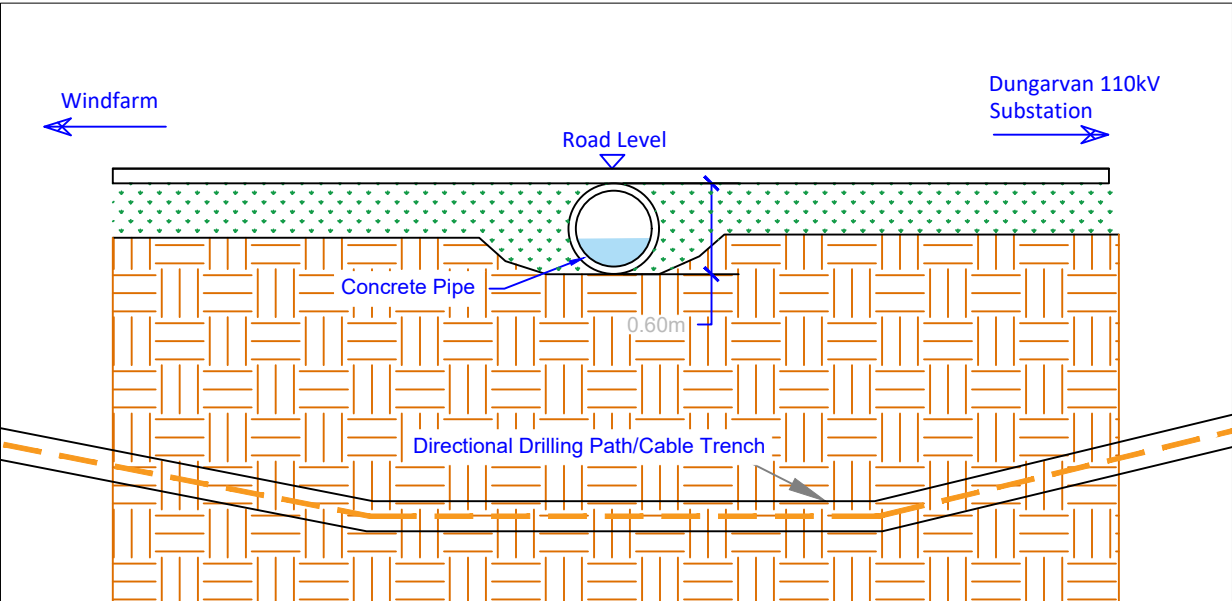


Plan View Watercourse 1

Scale ; 1:1000

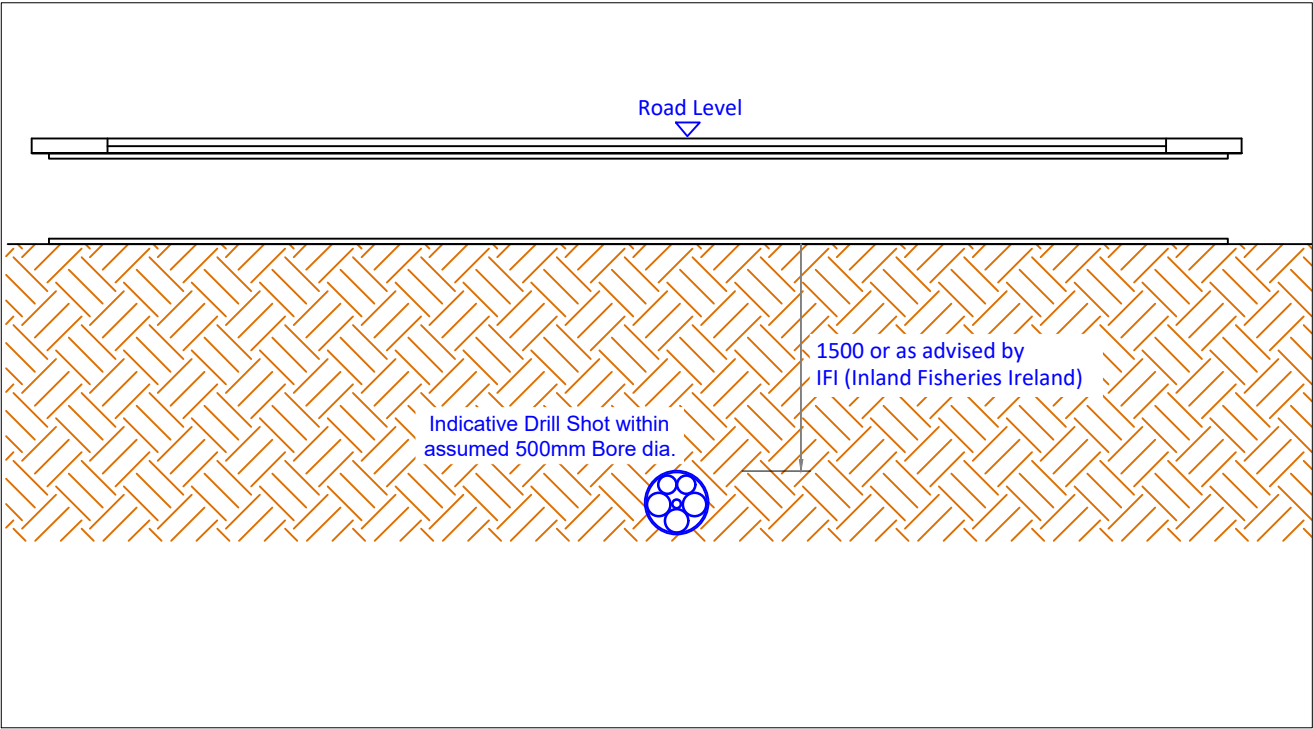


Photo No 2



Section B-B

Scale ; 1:50



Section A-A

Scale ; 1: 50



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PROJECT
Scart Mountain Wind Farm
110 kV Grid Connection

PROJECT NUMBER
05-854

SHEET NUMBER
05854-DR-218

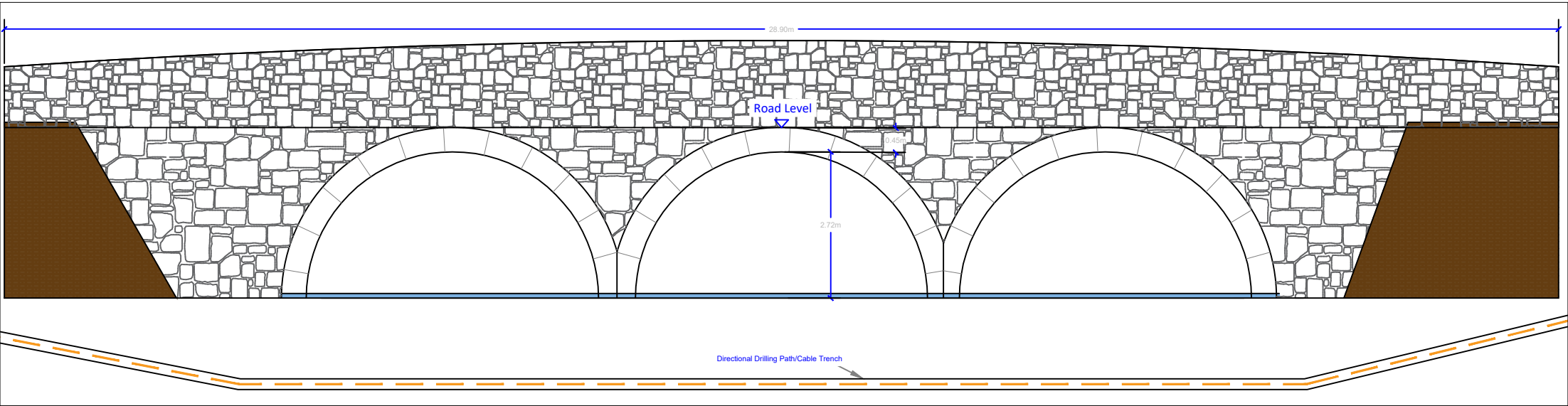
SHEET TITLE
Watercourse 1 Crossing Detail
Scart Stream Culvert

DRAWING STATUS
For Planning

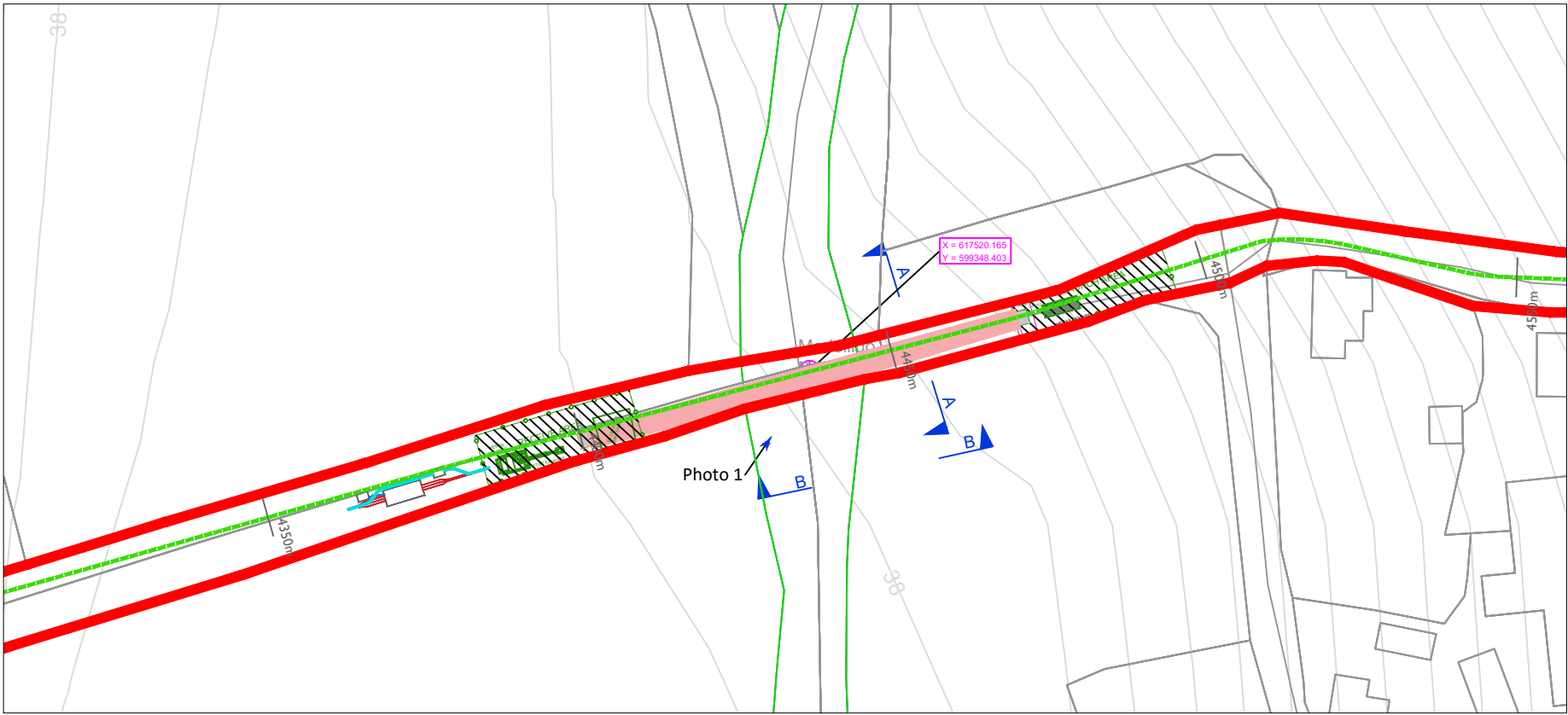
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P0	10.06.2024	Issued For Planning
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Photo No 1



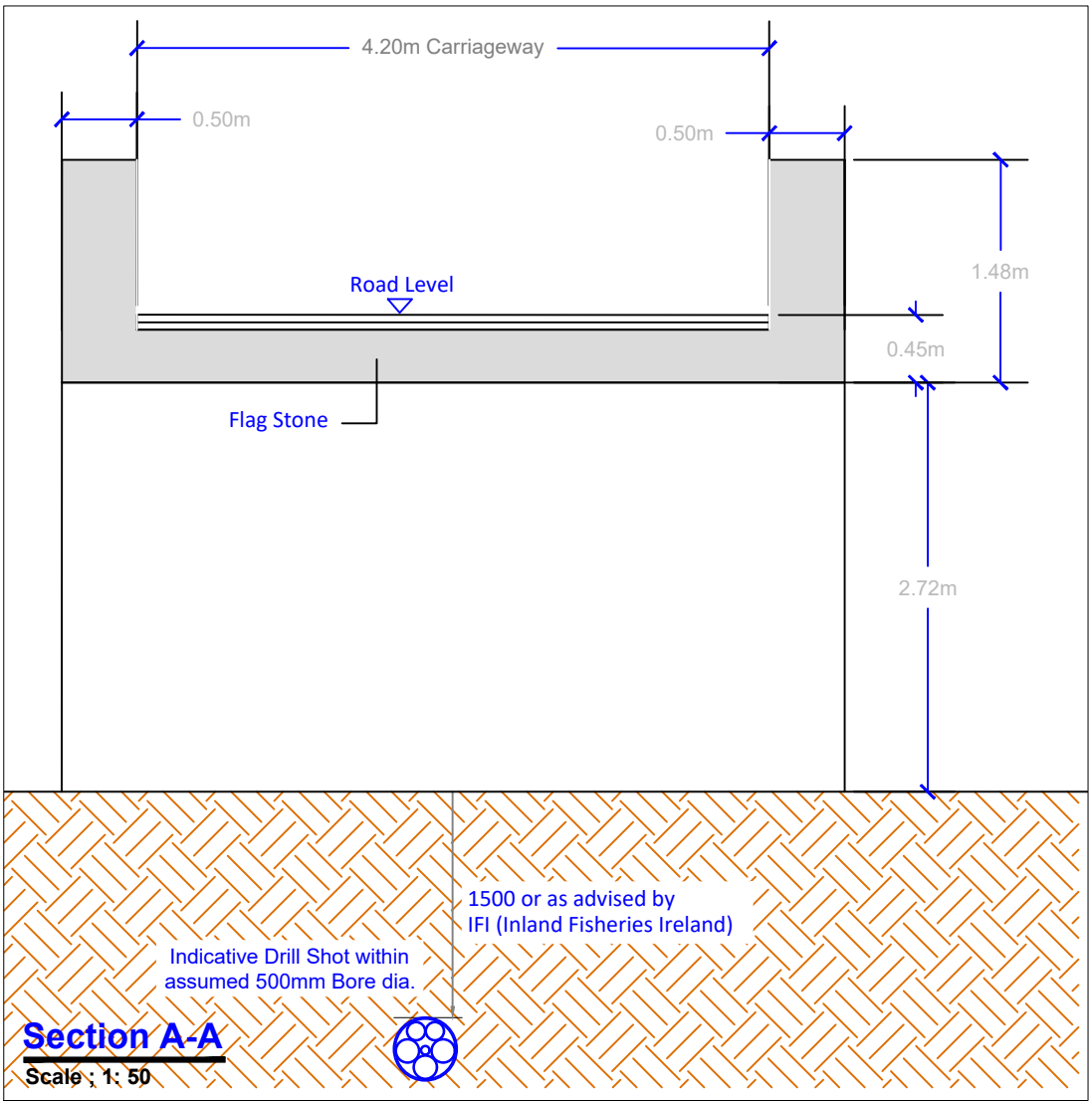
Section B-B
Scale ; 1:100



Plan View Watercourse 2
Scale ; 1:1000

NOTES:

- All dimensions are shown in meters unless otherwise stated
- No structural bridge surveys have been carried out and the proposals are subject to detail design
- Drawings are in compliance with ESBN/EirGrid specification requirements for shallow formation, bridge crossings, etc.
- HDD launch and reception pit locations to be determined following site investigation



Section A-A
Scale ; 1: 50

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Scart Mountain Wind Farm
110 kV Grid Connection

PROJECT NUMBER
05-854

SHEET NUMBER
05854-DR-219

SHEET TITLE

Watercourse 2 Crossing Detail
Bridge 1 Finisk River (Modeligo Bridge)

DRAWING STATUS
For Planning

ISSUE/REVISION

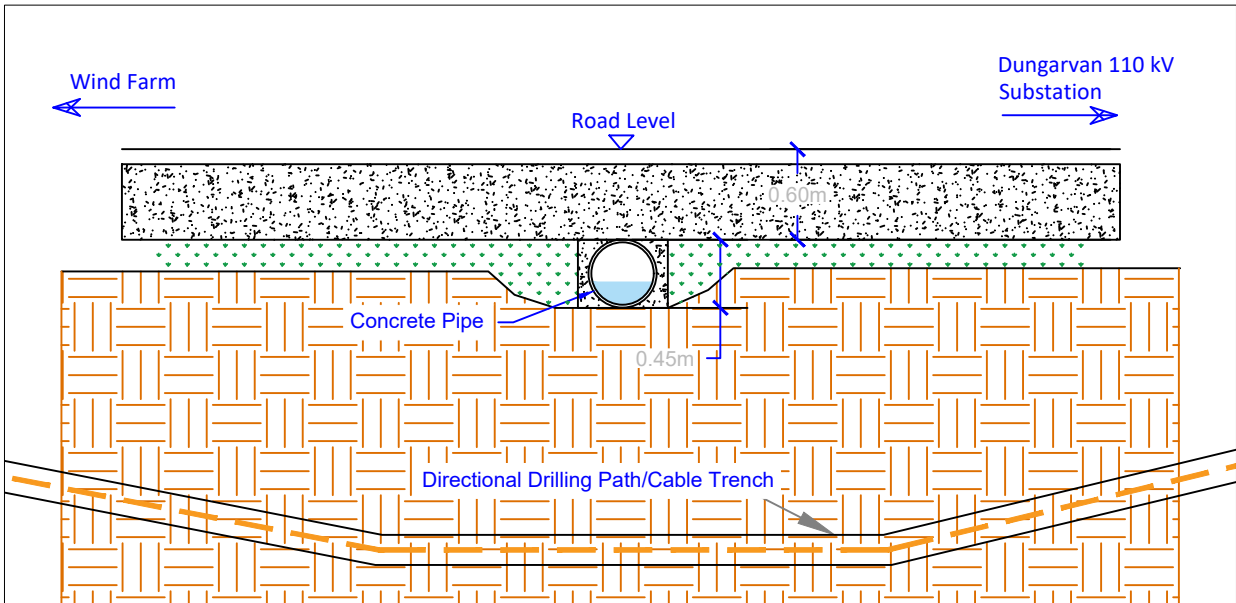
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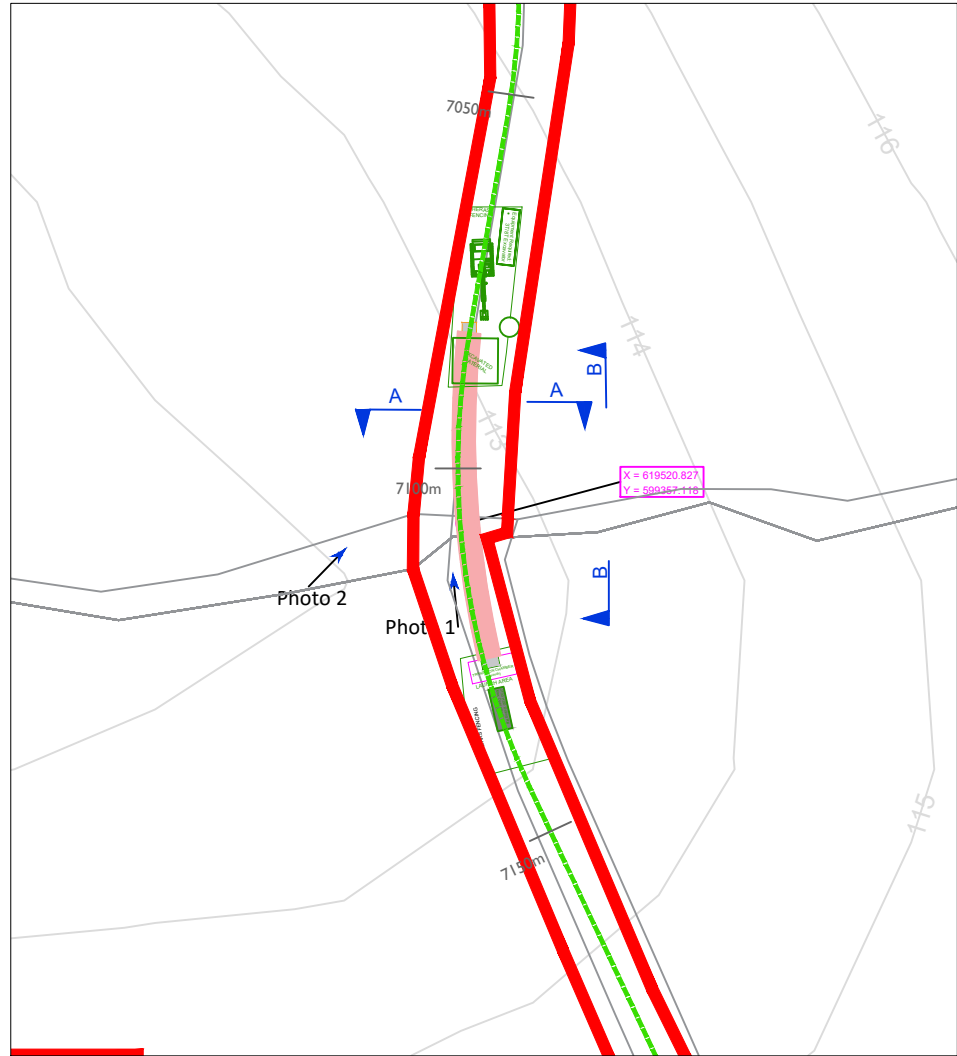
Photo No 1

NOTES:

- All dimensions are shown in meters unless otherwise stated
- No structural surveys have been carried out and the proposals are subject to detail design
- Drawings are in compliance with ESBN/EirGrid specification requirements for shallow formation, bridge crossings, etc.
- HDD launch and reception pit locations to be determined following site investigation



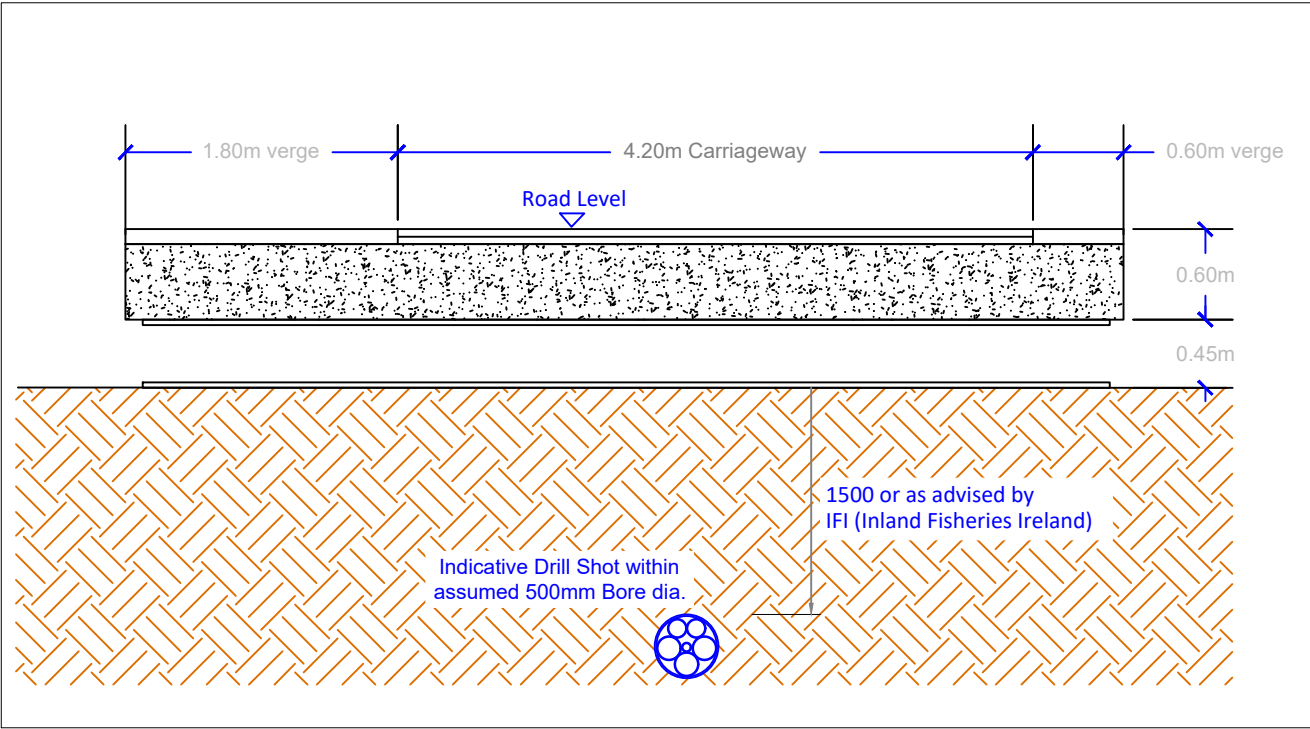
Section B-B
Scale ; 1:50



Plan View Watercourse 3
Scale ; 1:1000



Photo No 2



Section A-A
Scale ; 1: 50



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PROJECT
Scart Mountain Wind Farm
110 kV Grid Connection

PROJECT NUMBER
05-854

SHEET NUMBER
05854-DR-220

SHEET TITLE
Watercourse 3 Crossing Detail
Ballykerrin Middle Stream

DRAWING STATUS
For Planning

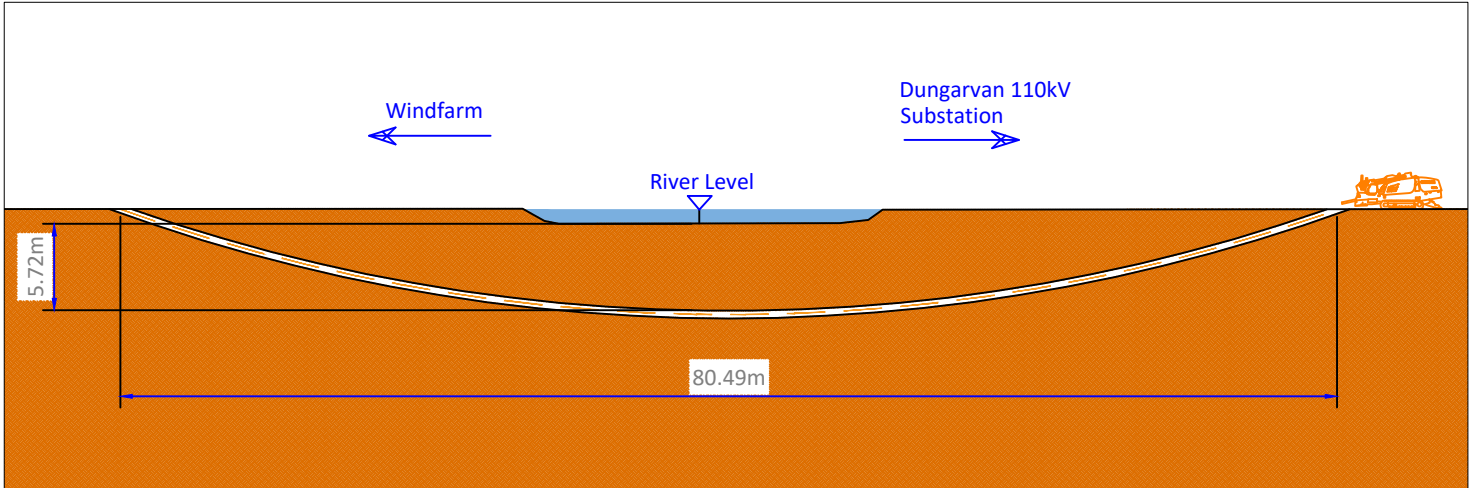
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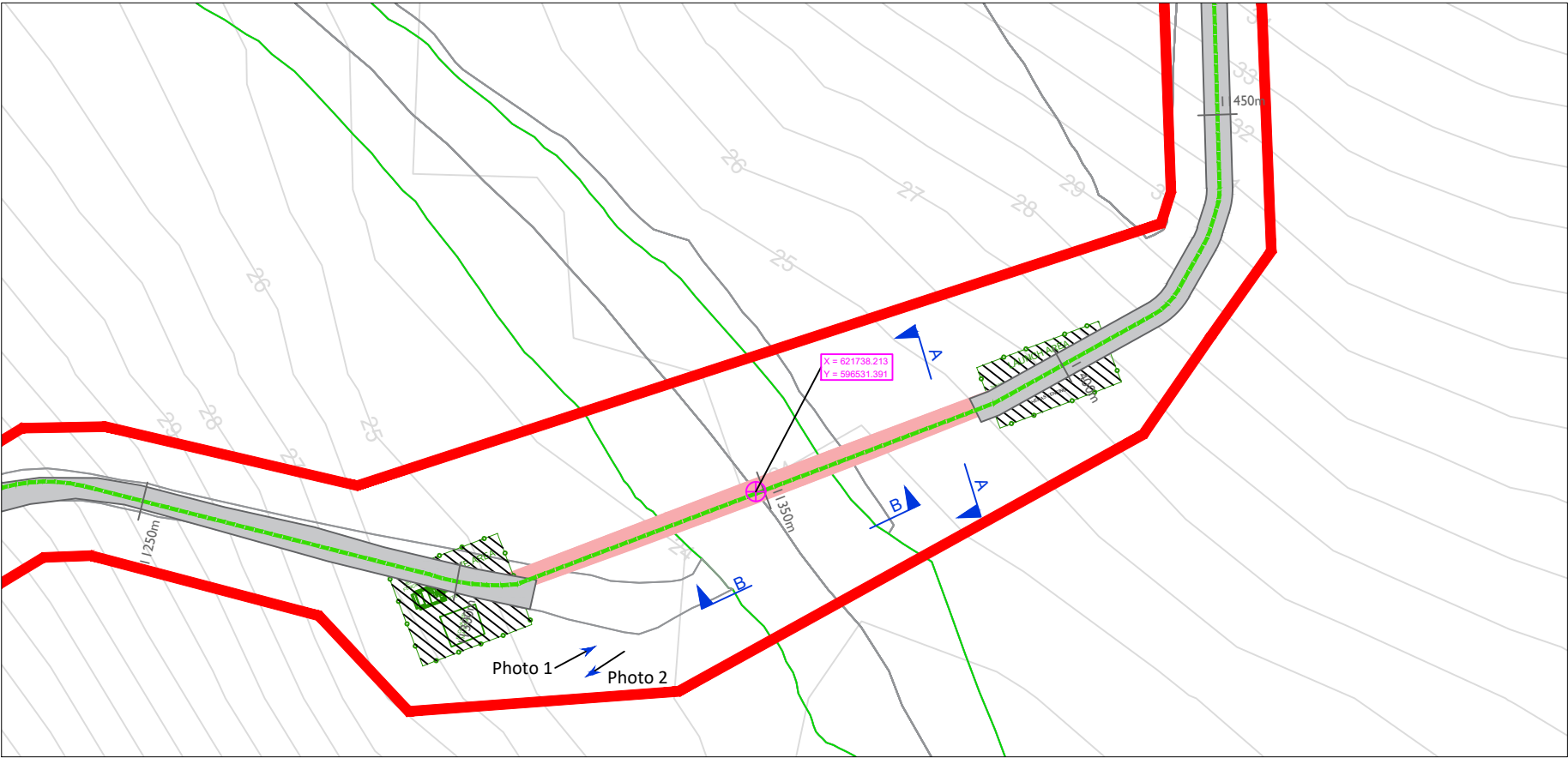
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Photo No 2



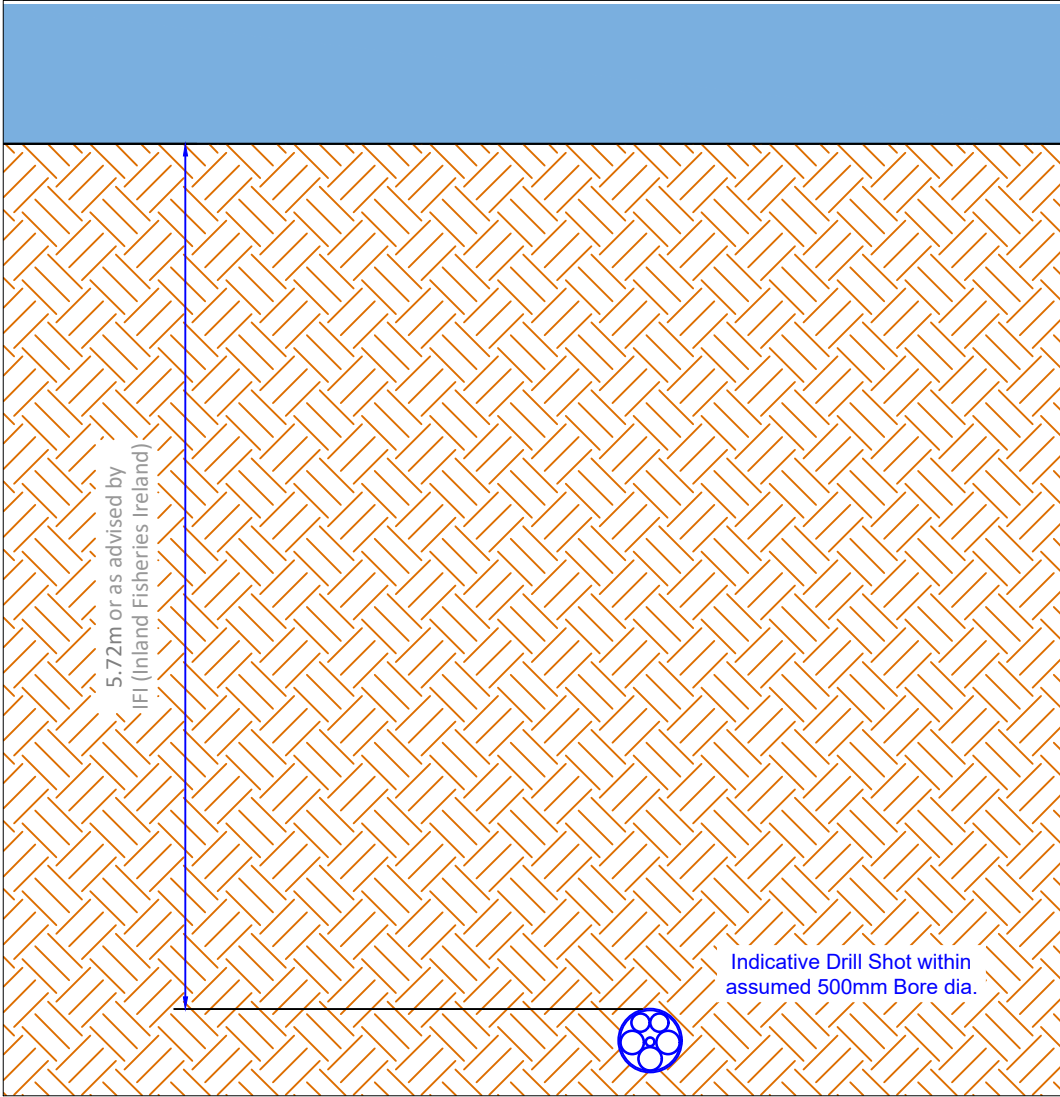
Section B-B
Scale ; 1:500



Plan View Watercourse 4
Scale ; 1:1000

NOTES:

- All dimensions are shown in meters unless otherwise stated
- Drawings are in compliance with ESNB/EirGrid specification requirements for shallow formation, bridge crossings, etc.
- HDD launch and reception pit locations to be determined following site investigation



Section A-A
Scale ; 1:50

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PROJECT
Scart Mountain Wind Farm
110 kV Grid Connection
PROJECT NUMBER
05-854
SHEET NUMBER
05854-DR-221

SHEET TITLE
Watercourse 4 Crossing Detail
Colligan River
DRAWING STATUS
For Planning

ISSUE/REVISION		
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