



2345678910111213

KEY PLAN

LEGEND:

PROPOSED 220 kV ONSHORE CABLE ROUTE

AMENDED 220 kV ONSHORE CABLE ROUTE

PROPOSED HDD HORIZONTAL ALIGNMENT

PROPOSED TEMPORARY HDD WORKING AREA

PROPOSED TEMPORARY ACCESS TRACK

AMENDED TEMPORARY ACCESS TRACK

PROPOSED TEMPORARY CONSTRUCTION COMPOUND

APPLICATION BOUNDARY

LANDOWNER PROPERTY BOUNDARY

PROPOSED JOINT BAY

PROPOSED C2 CHAMBER

PROPOSED LINK BOX

PROPOSED TRANSITION CHAMBER

EXISTING GROUND PROFILE

PROPOSED HDD LONGITUNDINAL ALIGNMENT

EXISTING HIGH VOLTAGE OVERHEAD LINE

EXISTING MEDIUM VOLTAGE OVERHEAD LINE

EXISTING LOW VOLTAGE OVERHEAD LINE

EXISTING MEDIUM VOLTAGE UNDERGROUND CABLE

EXISTING LOW VOLTAGE UNDERGROUND CABLE

EXISTING WATER MAIN

EXISTING GRAVITY SEWER

EXISTING HIGH PRESSURE TRANSMISSION GAS PIPELINE

EXISTING TELECOMS OVERHEAD LINE

EXISTING TELECOMS UNDERGROUND CABLE

NOTES :

1. FOR PLANNING PURPOSES ONLY, NOT FOR CONSTRUCTION

2. ALL DIMENSIONS IN METERS, UNLESS OTHERWISE NOTED

3. THE CABLE SHALL BE INSTALLED WITHIN THE SITE BOUNDARY. THE FINAL ALIGNMENT WITHIN THE SITE BOUNDARY SHALL BE DETERMINED FOLLOWING DETAILED DESIGN, WHICH WOULD PROCEED POST-PLANNING.

4. THE SITE BOUNDARY IS THE EXTENT OF THE PROPOSED PROJECT SITE. IT SHOULD BE ASSUMED TO EXTEND TO THE EDGE OF THE CARRIAGEWAY ALONG PUBLIC ROADS, EXCEPT WHERE OTHERWISE INDICATED.

5. 220 kV CABLES TO BE INSTALLED AS PER DRAWING PE605-D027-017-001 (LATEST REVISION), WHICH IS A TYPICAL TRENCH LAYOUT. THE OVERALL DEPTH, WIDTH AND FORMATION OF THE TRENCH MAY CHANGE DEPENDING ON GROUND CONDITIONS AND DETAILED DESIGN.

6. REFER TO EIRGRID DWG OFD-SSS-524 FOR TRANSITION CHAMBER SPECIFICATIONS. TRANSITION CHAMBER TO BE USED IF DUCT COUPLER NOT AVAILABLE FOR DUCT SIZING

7. ALL LEVELS ARE RELATIVE TO MALIN HEAD DATUM

REV.	DATE	REVISION DESCRIPTION	DRN	PROD	VER	APP
006		ADDED REVISION CLOUDS & ANNOTATION				
005	02/12/25	UPDATED REDLINE DRAWING PRIORITY	NB	NB	RD	MH
004	18/11/25	UPDATED CHAINAGE	NB	NB	RD	MH
003	11/11/25	UPDATED ACCESS TRACKS, ADDED BORE DETAIL	NB	NB	RD	MH
002	27/02/24	UPDATED ACCESS TRACKS	NB	NB	RD	MH
001	27/02/24	AMENDED AS PER COMMENTS FROM RPS	NB	NB	RD	MH
000	15/02/24	FIRST ISSUE	NB	NB	RD	MH

CLIENT APPROVAL

☐ PLANNING☒ TENDER☐ CONSTRUCTION☐ AS-BUILT☐

Client

ORIEL WINDFARM LTD

Project

ORIEL WIND FARM PROJECT

Contract

Drawing Title

PROPOSED RIVER DEE HDD CROSSING ALIGNMENT & PROFILE AT N33 BRIDGE

Production Unit

Civil, Environmental and Renewable Engineering

ESB

Energy for generations

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Engineering and Major Projects is a division of ESB

DRAWN	PRODUCED	VERIFIED	APPROVED	APPROVAL DATE
N.Bell	Bel_Neil	R.Doyle	M.Hoggan	17/12/2025

CLIENT REF	No. OF SHTS	SIZE	SCALE
TC222597	1/1	A1	AS STATED

DRAWING NUMBER

SHEET

REV

PE605-D027-017-001-006

PROPOSED BORE DETAIL
SCALE 1:15

FINAL BORE SIZE WILL DEPEND ON THE RESULTS OF
GROUND INVESTIGATION

PROPOSED HDD PROFILE
SECTION A-A

SCALE 1:750

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