

KEY PLAN

2345678910111213

LEGEND:

PROPOSED 220 kV ONSHORE CABLE ROUTE

PROPOSED HDD HORIZONTAL ALIGNMENT

PROPOSED TEMPORARY HORIZONTAL DIRECTIONAL DRILL (HDD) WORKING AREA/ STAGING AREA

PROPOSED 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 LONGITUDINAL 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-D027-018-001 (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-024 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

8. BOTH SIDES OF RIVER DEE AT DRUMCAR BRIDGE ARE ARCHAEOLOGICALLY SENSITIVE. ALL CONSTRUCTION WORKS WILL BE PRECEDED BY ARCHAEOLOGICAL EXCAVATION.

004		UPDATED REDLINE DRAWING PRIORITY				
003	18/11/25	ADDED BORE DETAILS, UPDATED CHAINAGE	NB	NB	RD	MH
002	11/11/25	UPDATED ACCESS TRACKS AS PER SPA	NB	NB	RD	MH
001	27/02/24	UPDATED AS PER RPS COMMENTS	NB	NB	RD	MH
000	26/01/24	FIRST ISSUE	NB	NB	RD	MH

REV.	DATE	REVISION DESCRIPTION	DRN	PROD	VER	APP
PURPOSE OF ISSUE - PRELIMINARY UNLESS INDICATED						
CLIENT APPROVAL <input type="checkbox"/> PLANNING <input checked="" type="checkbox"/> TENDER <input type="checkbox"/> CONSTRUCTION <input type="checkbox"/> AS-BUILT <input type="checkbox"/>						

Client	ORIEL WINDFARM LTD
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Project	ORIEL WIND FARM PROJECT
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Contract	
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Drawing Title	PROPOSED RIVER DEE HDD CROSSING ALIGNMENT & PROFILE AT DRUMCAR BRIDGE
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Production Unit	Civil, Environmental and Renewable Engineering
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ESB

Energy for generations

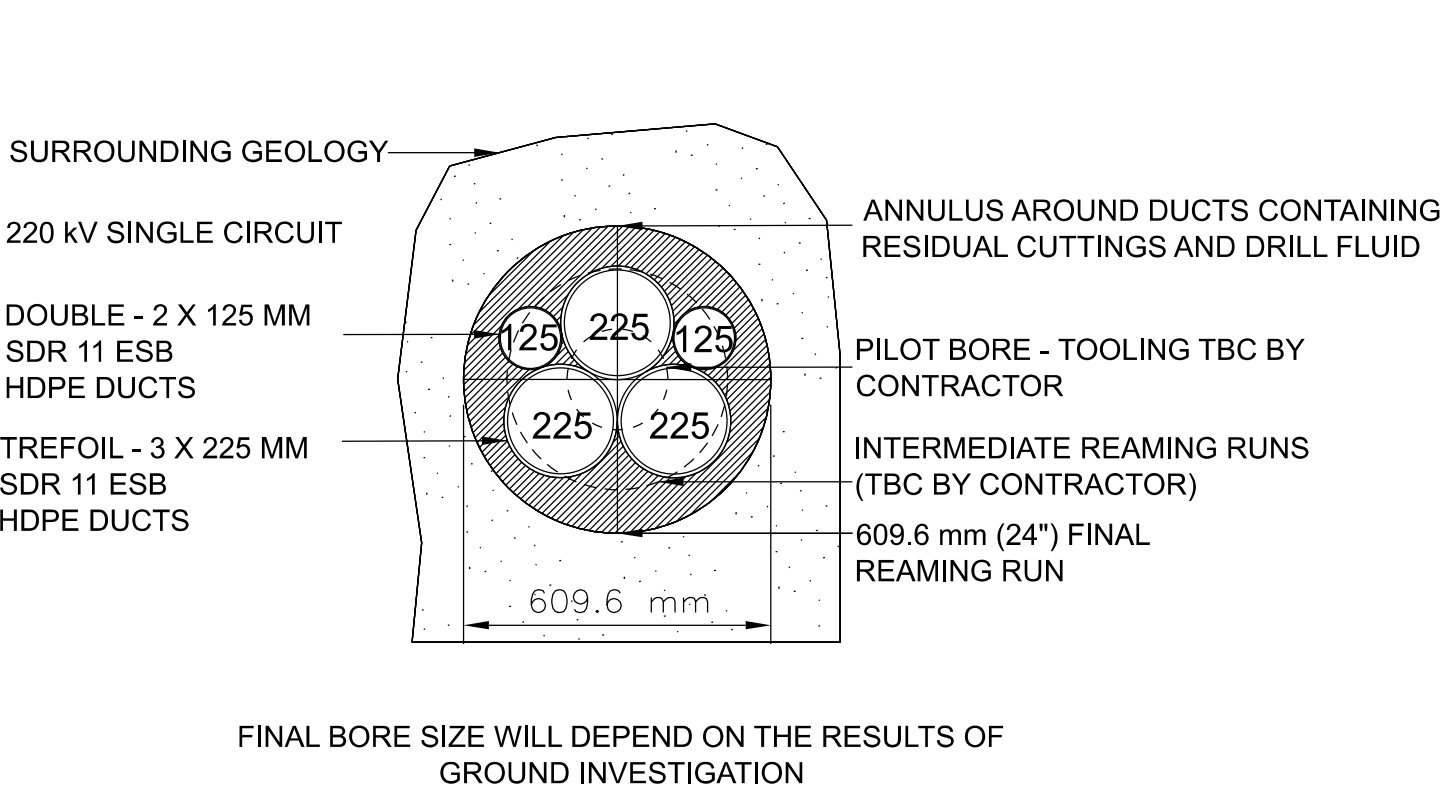
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Engineering and Major Projects is a division of ESB.

DRAWN	PRODUCED	VERIFIED	APPROVED	APPROVAL DATE
N.Bell	Bell_Neil	R.Doyle	M.Hogan	18/11/2025
CLIENT REF	TC222670	No. OF SHTS	SIDE	SCALE
		1/1	A1	AS STATED
DRAWING NUMBER	SHEET REV			
PE605-D027-018-001-004				

PROPOSED BORE DETAIL  
SCALE 1:15



PROPOSED HDD PROFILE  
SECTION A-A

SCALE 1:500

