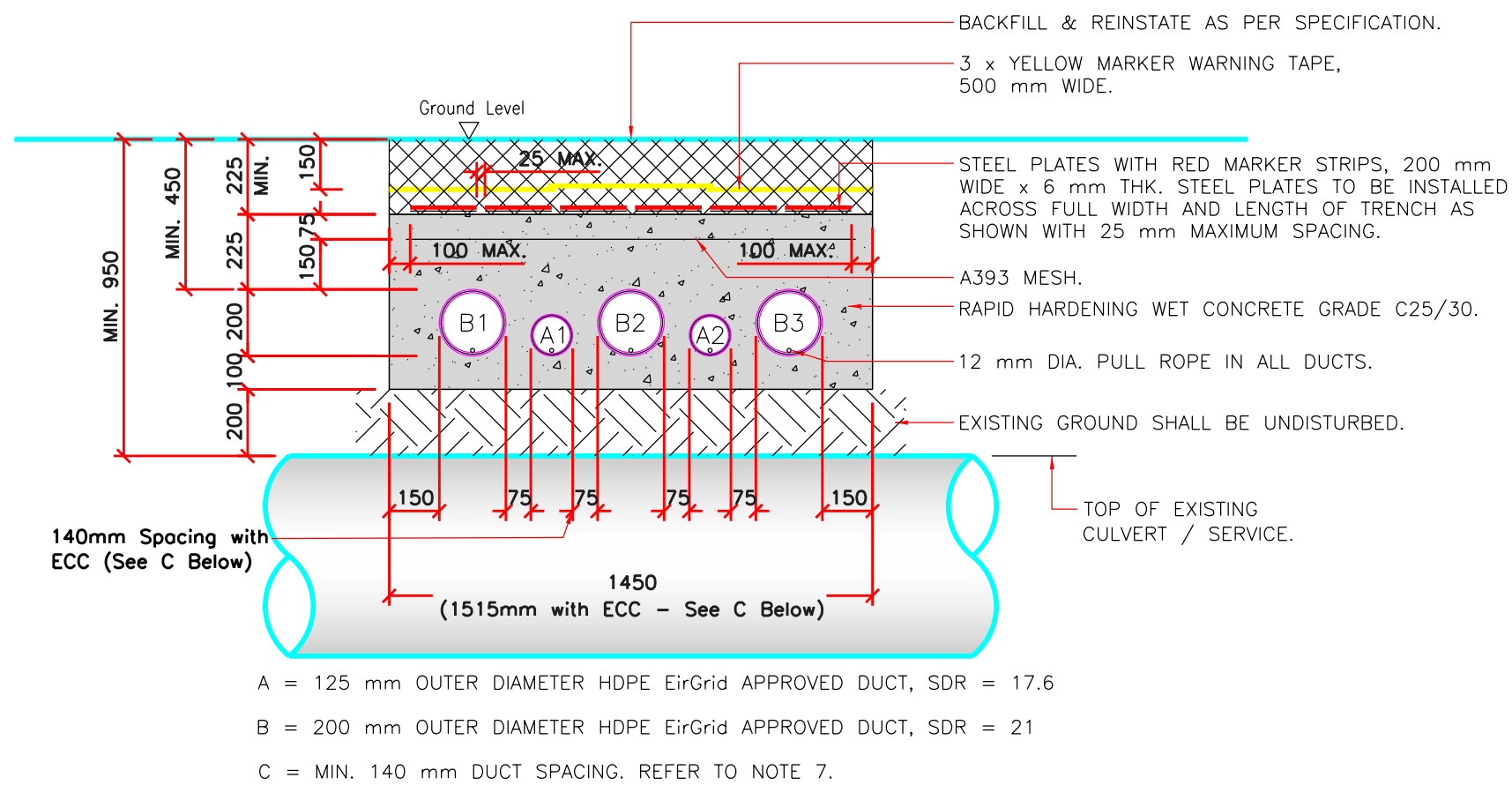
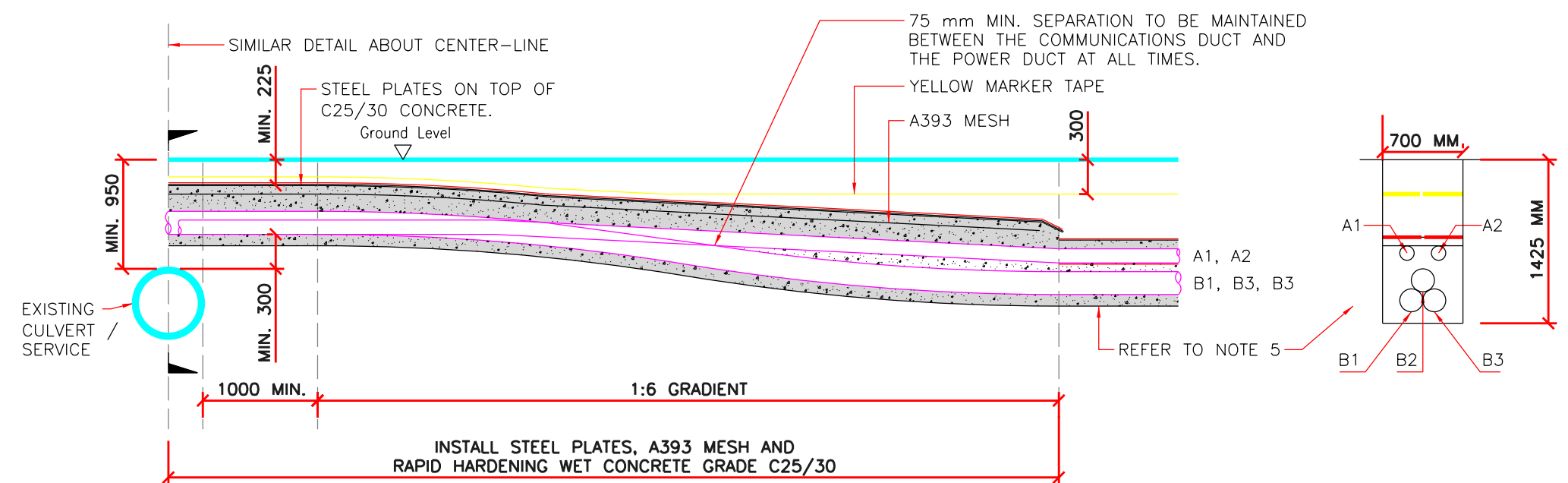


NOTES:

1. EirGrid PREFERENCE IS TO CROSS UNDER EXISTING SERVICES AS PER DRAWING No. PE605-D027-088-001. THIS DRAWING MAY ONLY BE APPLIED WITH CONFIRMATION IN WRITING FROM THE ENGINEER ON A CASE BY CASE BASIS, IN ORDER TO AVOID CABLE RATINGS ISSUES AT EXCESSIVELY DEEP CROSSING.
2. NO EXCAVATION WORK SHALL COMMENCE UNTIL THE CONTRACTOR HAS CONSULTED UP-TO-DATE SERVICES DRAWINGS AND CARRIED OUT AN ELECTROMAGNETIC LOCATOR (EML) SCAN.
3. HAND DIG ONLY WITHIN 500 mm OF EXISTING SERVICES.
4. THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF ALL TEMPORARY WORKS. THE CONTRACTOR SHALL APPOINT A COMPETENT TEMPORARY WORKS DESIGNER, AND SUBMIT TEMPORARY WORKS DESIGN TO PSDP FOR REVIEW.
5. FOR TYPICAL TRENCH CROSS SECTION REFER TO DRAWING No. PE605-D027-083-001.
6. 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.
7. WHERE DUCT FOR EARTH CONTINUITY CONDUCTOR (ECC) IS REQUIRED, ATTACH THE 63 mm DUCT TO DUCT A1.
8. ROADS WITH EXISTING DEEP ASPHALT REQUIRE A MINIMUM 225 mm FROM THE UNDERSIDE OF THE EXISTING ASPHALT TO THE TOP OF THE CABLE DUCT.
9. THE OWNER OF THE EXISTING UTILITY BEING CROSSED MUST BE CONSULTED IN ADVANCE OF WORKS COMMENCING AS PER THEIR GUIDELINES.
10. 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.



Typical Cross Section
Scale 1:20



Typical Longitudinal Section - (Crossing Over Culvert / Service)
Scale 1:50

04		UPDATED TITLE BLOCK SCALE TO AS STATED			
03	14/08/2023	UPDATED PROJECT NAME TO ORIEL WIND FARM PROJECT	GB	CB	RD
02	19/05/2023	UPDATED TRENCH WIDTH TO 700MM TO MATCH EIRGRID SPEC	GB	CB	RD
01	28/02/2023	UPDATED TRENCH CROSS SECTION INSERT TO TREFOIL	GB	CB	RD
00	23/03/2022	FIRST ISSUE	GB	CB	RD
Rev.	Date	Revision Description	Drn.	Prod.	Ver.
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"/>					

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Engineering and Major Projects is a division of ESB.

Client: ORIEL WINDFARM LIMITED

Project: ORIEL WIND FARM PROJECT

Contract:

Production Unit: Civil, Environmental and Renewable Engineering

Drawing Title: TRENCH CROSS SECTIONAL & LONGITUDINAL DETAIL FOR CROSSING OVER CULVERTS OR LARGE SERVICES

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DRAWN Bell_N	PRODUCED Bell_Neil	VERIFIED R.Doyle	APPROVED M.Hogon	APPROVAL DATE 10/11/2023	
CLIENT REF TC226634			No. OF SHITS 1/1	SIZE A2	SCALE AS STATED
Drawing Number PE605-D027-086-001-004				SHEET REV	