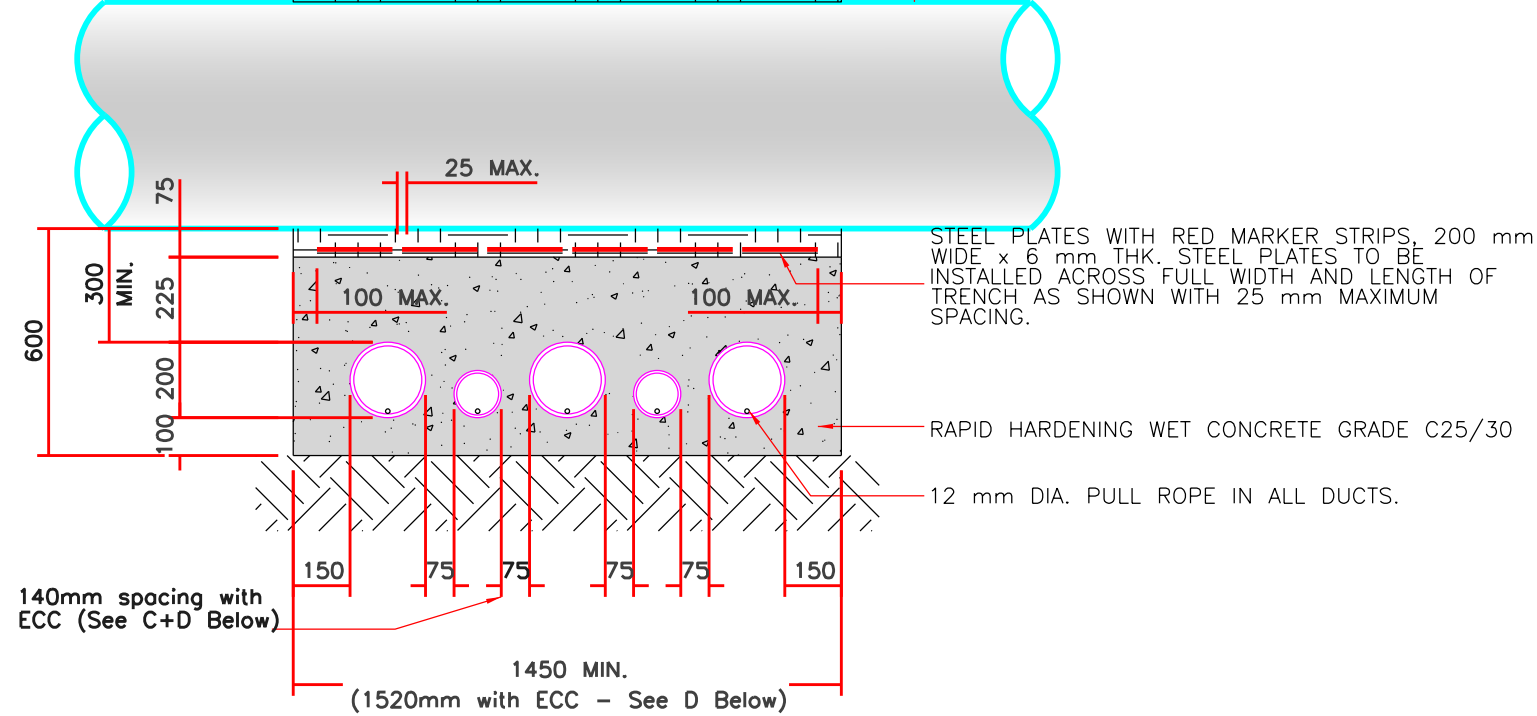
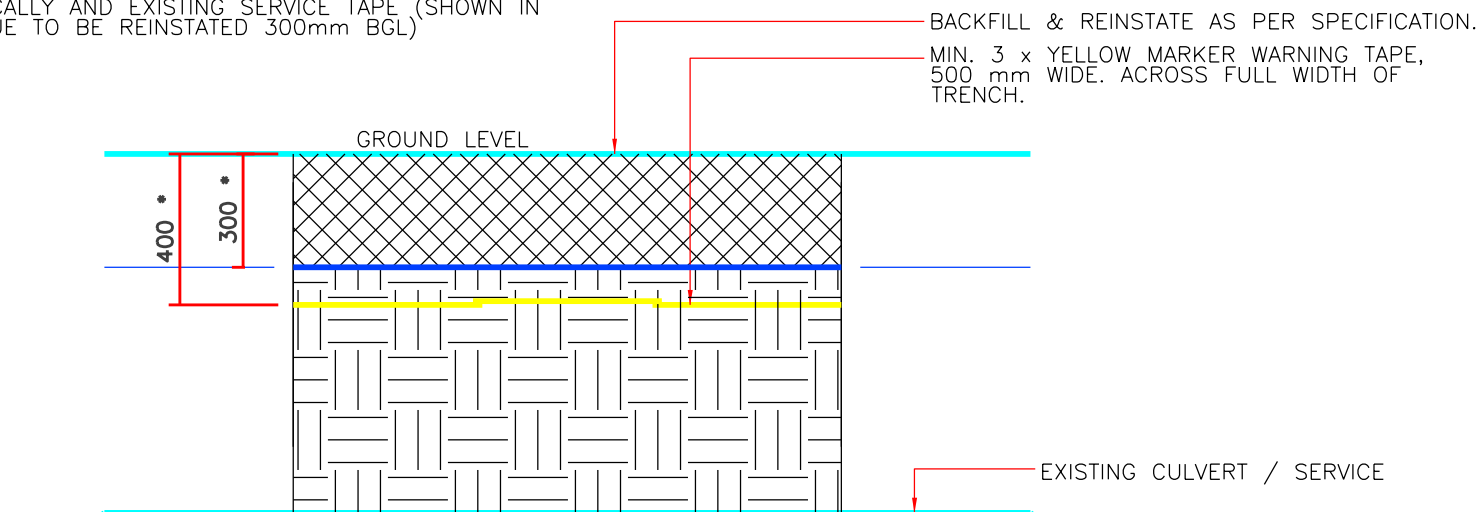


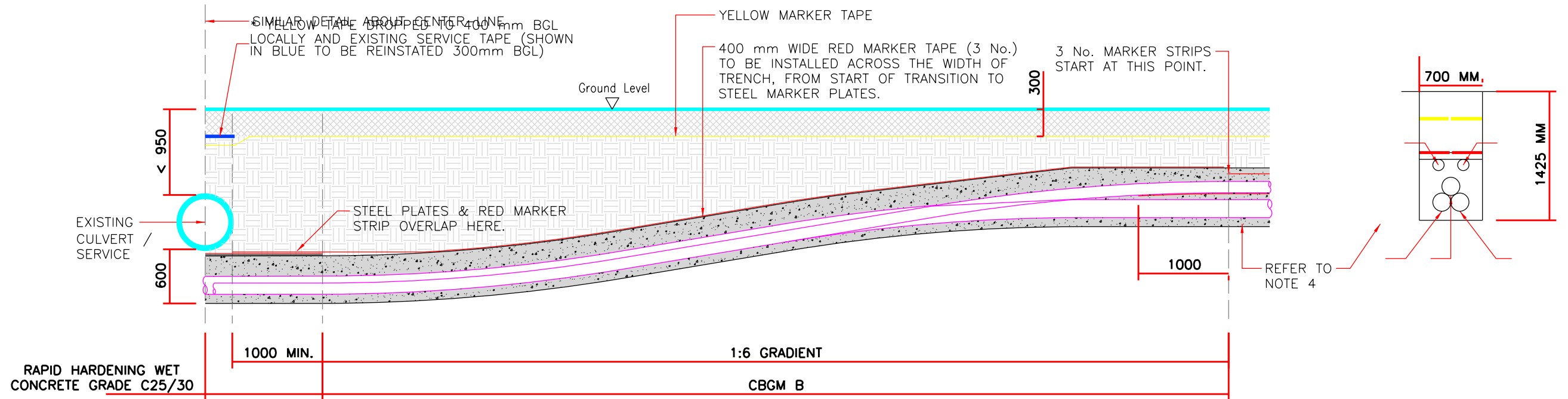
- NOTES:
- NO EXCAVATION WORK SHALL COMMENCE UNTIL THE CONTRACTOR HAS CONSULTED UP-TO-DATE SERVICES DRAWINGS AND CARRIED OUT AN ELECTROMAGNETIC LOCATOR (EML) SCAN.
 - HAND DIG ONLY WITHIN 500 mm OF EXISTING SERVICES.
 - THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF ALL TEMPORARY WORKS. THE CONTRACTOR SHALL APPOINT A COMPETENT TEMPORARY WORKS DESIGNER, AND SUBMIT TEMPORARY WORKS DESIGN TO PSDP FOR REVIEW.
 - FOR TYPICAL TRENCH CROSS SECTION REFER TO DRAWING No. PE605-D027-083-001
 - 225 mm MINIMUM CBGM B OVER DUCTS WHERE THEY TRANSITION FROM STANDARD CROSS SECTION TO FLAT FORMATION.
 - REPLACE EXISTING SERVICE MARKER TAPE OVER ESB YELLOW MARKER TAPE.
 - WHERE DUCT FOR EARTH CONTINUITY CONDUCTOR (ECC) IS REQUIRED, ATTACH THE 63 mm DUCT TO DUCT A1.
 - THE OWNER OF THE EXISTING UTILITY BEING CROSSED MUST BE CONSULTED IN ADVANCE OF WORKS COMMENCING AS PER THEIR GUIDELINES.
 - 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.

* YELLOW TAPE DROPPED TO 400 mm BGL LOCALLY AND EXISTING SERVICE TAPE (SHOWN IN BLUE TO BE REINSTATED 300mm BGL)

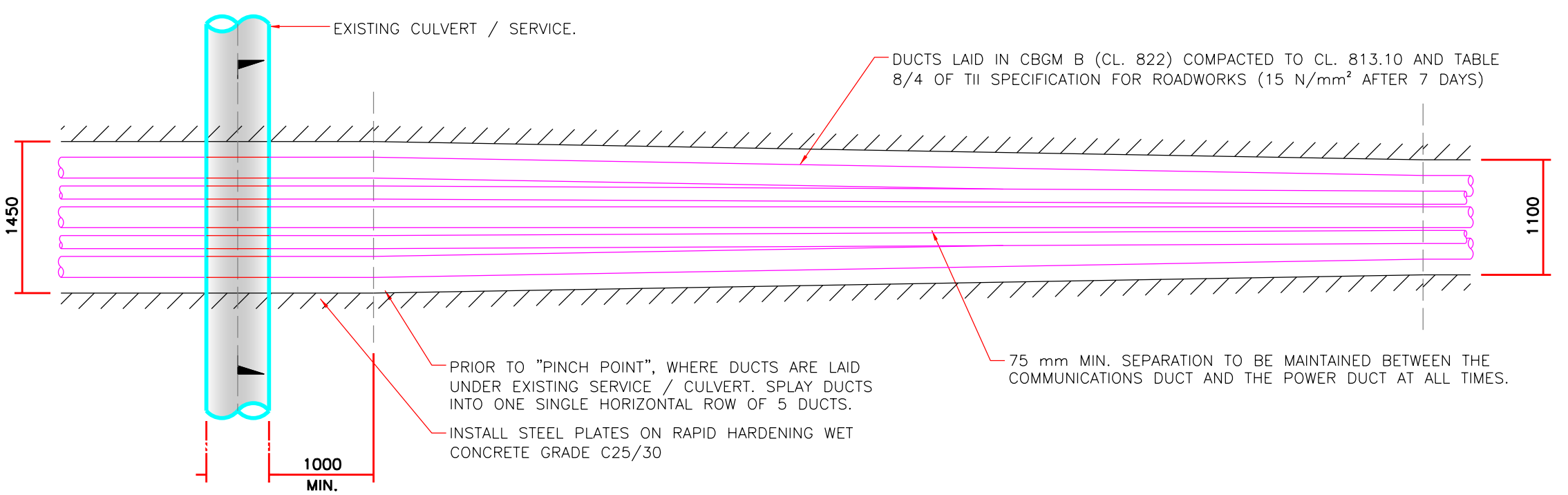


- A = 125 mm OUTER DIAMETER HDPE EirGrid APPROVED DUCT, SDR = 17.6
- B = 200 mm OUTER DIAMETER HDPE EirGrid APPROVED DUCT, SDR = 21
- C = MIN. 75 mm DUCT SPACING TO BE CONFIRMED BY CABLE RATINGS CALCULATIONS.
- D = MIN. 140 mm DUCT SPACING. REFER TO NOTE 7.

Cross Section
Scale 1:20



Typical Longitudinal Section – (Crossing Under Culvert/Service)
Scale 1:50



Plan View
Scale 1:50

Rev.	Date	Revision Description	Drn.	Prod.	Ver.	App.
05		REPLACED "TYPICAL" WITH "GENERAL ARRANGEMENT" IN TITLE BLOCK				
04	22/12/23	UPDATED TITLE BLOCK SCALE TO AS STATED	NB	NB	RD	RD
03	14/08/2023	UPDATED PROJECT NAME TO ORIEL WIND FARM PROJECT	GB	GB	RD	RD
02	19/05/2023	UPDATED TRENCH WIDTH TO 700 MM TO MATCH EIRGRID SPEC	GB	GB	RD	RD
01	28/02/2023	UPDATED TRENCH CROSS SECTION INSERT TO TREFOLD	GB	GB	RD	RD
00	23/03/2022	FIRST ISSUE	GB	GB	RD	RD

Purpose of issue - Preliminary unless indicated

Client Approval Planning Tender Construction As-built

ESB
Energy for generations

Engineering and Major Projects,
One Dublin Airport Central,
Dublin Airport, Cloughran,
Co. Dublin, K67 XF72, Ireland.
Tel: +353 (0)1 703 8000 Web: www.esb.ie
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 SECTION 220 KV CABLE GENERAL ARRANGEMENT 700 mm WIDE TRENCH FOR CROSSING UNDER CULVERTS OR SERVICES

COPYRIGHT © ESB
All rights reserved. No part of this work may be modified, reproduced or copied in any form or by any means - graphic, electronic or mechanical, including photocopying, recording, taping or used for any purpose other than its designated purpose, without the written permission of ESB.

DRAWN N.Bell	PRODUCED N.Bell	VERIFIED R.Doyle	APPROVED M.Hogan	APPROVAL DATE 02/02/2024
CLIENT REF TC226644		No. OF SHITS 1/1	SIZE A2	SCALE AS STATED

Drawing Number: PE605-D027-088-001-005

SHEET REV