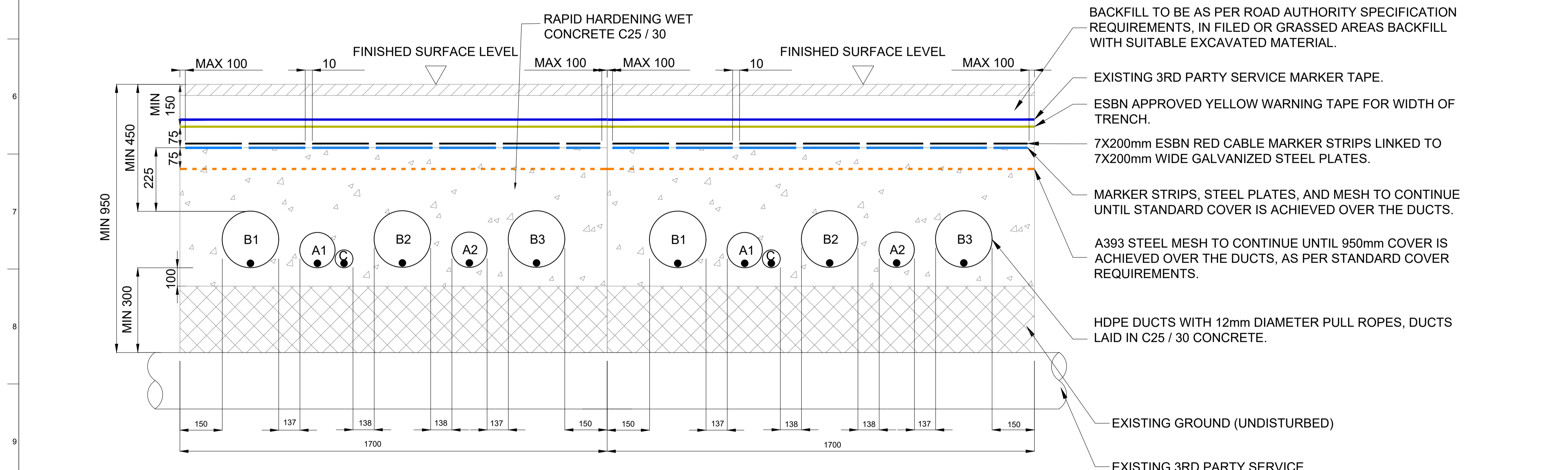


**CROSSING OVER 3RD PARTY SERVICE - REDUCED COVER - TYPICAL DETAIL**

NOT TO SCALE

- NOTES:
1. ALL PRODUCTS AND MATERIALS TO BE UTILIZED DURING CONSTRUCTION TO COMPLY WITH EIRGRID FUNCTIONAL SPECIFICATION, ESBN STANDARDS, TII SPECIFICATION FOR ROAD WORKS, AND ALL RELEVANT IRISH (EUROPEAN) AND BRITISH STANDARDS.
  2. 300mm MINIMUM VERTICAL AND HORIZONTAL CLEARANCES TO BE OBSERVED BETWEEN CABLE DUCTS AND THIRD PARTY SERVICES (e.g. GAS PIPES, WATERMANS, CULVERTS, etc.) IN THE CASE OF HIGH RISK 3rd PARTY SERVICES, GREATER CLEARANCES MAY BE REQUIRED. DESIGNER TO CONSULT EIRGRID AND 3rd PARTY SERVICE OWNERS FOR GUIDANCE.
  3. STEEL PLATES MUST COVER DUCTS. NO OVERLAP IS REQUIRED HOWEVER STANDARD DIMENSIONS MAY RESULT IN AN OVERLAP. MAX SPACING OF 10mm TO BE MAINTAINED BETWEEN STEEL PLATES TO PREVENT THE TRANSFER OF STRAY CURRENT.
  4. THIS DRAWING IS TO BE USED TO AID THE PROJECT SPECIFIC CONSTRUCTION DESIGN PRODUCTION.
  5. TEMPLATES ARE TO BE USED AT 3m INTERVALS DURING DUCT INSTALLATION IN CBGM. PRE-MADE 75mm WIDE CONCRETE SPACERS TO BE USED DURING DUCT INSTALLATION IN WET CONCRETE.
  6. MINIMUM BURIAL DEPTH IS 450mm.
  7. HAND DIG WITHIN 500mm OF EXISTING SERVICE.
  8. 75mm MINIMUM SEPARATION IS TO BE MAINTAINED BETWEEN THE COMMUNICATIONS DUCTS AND POWER DUCTS WHEN CHANGING TRENCH FORMATION.
  9. EXACT DUCT SPACING AND TRENCH WIDTHS TO BE CONFIRMED FOLLOWING THERMAL CALCULATIONS AND CONSULTATION WITH EIRGRID.



**SECTION A-A**

NOT TO SCALE

- BACKFILL TO BE AS PER ROAD AUTHORITY SPECIFICATION REQUIREMENTS, IN FILED OR GRASSED AREAS BACKFILL WITH SUITABLE EXCAVATED MATERIAL.
- EXISTING 3RD PARTY SERVICE MARKER TAPE.
- ESBN APPROVED YELLOW WARNING TAPE FOR WIDTH OF TRENCH.
- 7X200mm ESBN RED CABLE MARKER STRIPS LINKED TO 7X200mm WIDE GALVANIZED STEEL PLATES.
- MARKER STRIPS, STEEL PLATES, AND MESH TO CONTINUE UNTIL STANDARD COVER IS ACHIEVED OVER THE DUCTS.
- A393 STEEL MESH TO CONTINUE UNTIL 950mm COVER IS ACHIEVED OVER THE DUCTS, AS PER STANDARD COVER REQUIREMENTS.
- HDPE DUCTS WITH 12mm DIAMETER PULL ROPES, DUCTS LAID IN C25 / 30 CONCRETE.
- EXISTING GROUND (UNDISTURBED)
- EXISTING 3RD PARTY SERVICE

Key

A= 125mm O.D. HDPE DUCT FOR COMMUNICATIONS, SDR=17.6  
 B= 200mm O.D. HDPE DUCT FOR HV CABLE, SDR=21  
 C= 63mm O.D. HDPE DUCT FOR EARTH CONTINUITY CONDUCTOR, SDR=17.6

- RED MARKER STRIP
- YELLOW MARKER WARNING TAPE
- EXISTING SERVICE MARKER STRIP
- 6mm GALVANISED STEEL PLATE

- RAPID HARDENING WET CONCRETE C25/30
- CBGM B (CL. 822), COMPACTED TO CL 813.10
- BACKFILL COMPACTED (CL. 804 OR ACCEPTABLE MATERIAL)
- TOP SOIL
- ACCEPTABLE REINSTATEMENT MATERIAL

- GENERAL NOTES:
1. REFER TO DRAWINGS 281240-ARP-ON-CR-DR-PL-1100 TO 1164 FOR PROPOSED ONSHORE CABLE ROUTE.
  2. TYPICAL DETAILS BASED ON EIRGRID FUNCTIONAL SPECIFICATIONS. REFER TO OFD-SS5-526, OFD-SS5-527, OFD-SS5-528, OFD-SS5-528, OFD-SS5-529, OFD-SS5-530, OFD-SS5-531, & OFD-SS5-532.
  3. REFER TO DRAWINGS 281240-ARP-ONS-XX-DR-PL-1166 FOR TYPICAL LAYOUT OF HORIZONTAL DIRECTIONAL DRILLING (HDD) COMPOUND.

Rev	Date	By	Chkd	Appd
C01	May 2024	EAM	RM	MD
D00	13.03.24	SB	RM	MD



Client  
North Irish Sea Array Windfarm Ltd.

Project Title  
North Irish Sea Array Offshore Windfarm

Scale at A1  
AS INDICATED

Role  
Civil

Suitability  
A2 - Approved for Planning

Arup Job No  
281240

Rev  
C01

Name  
281240-ARP-ONS-XX-DR-PL-3004



Drawing Title  
CROSSING OVER 3RD PARTY SERVICE - REDUCED COVER - TYPICAL DETAIL