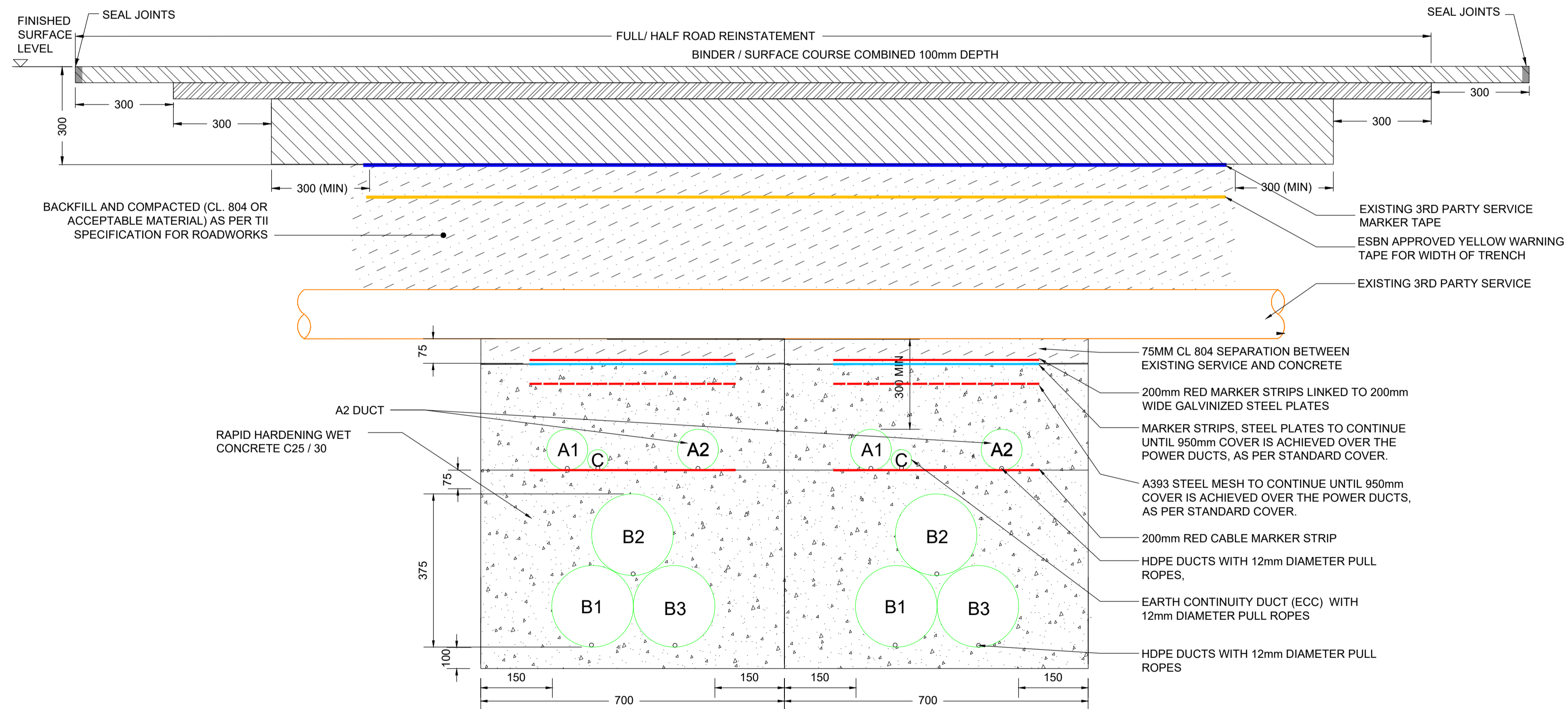


TYPICAL TREFOIL FORMATION IN-LINE CROSS SECTION UNDER 3RD PARTY SERVICE
NOT TO SCALE



SECTION A-A
NOT TO SCALE

- 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.
- 300mm MINIMUM VERTICAL AND HORIZONTAL CLEARANCES TO BE OBSERVED BETWEEN CABLE DUCTS AND THIRD PARTY SERVICES (e.g. GAS PIPES, WATER MAINS, 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.
- STEEL PLATES MUST COVER DUCTS. NO OVERLAP IS REQUIRED HOWEVER STANDARD DIMENSIONS MAY RESULT IN AN OVERLAP. MAX SPACINGS OF 10mm TO BE MAINTAINED BETWEEN STEEL PLATES TO PREVENT THE TRANSFER OF STRAY CURRENT.
- THIS DRAWING IS TO BE USED TO AID THE PROJECT SPECIFIC CONSTRUCTION DESIGN PRODUCTION.
- 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.
- MINIMUM BURIAL DEPTH IS 450mm.
- HAND DIG WITHIN 500mm OF EXISTING SERVICE.
- 75mm MINIMUM SEPARATION IS TO BE MAINTAINED BETWEEN THE COMMUNICATIONS DUCTS AND POWER DUCTS WHEN CHANGING TRENCH FORMATION.
- EXACT DUCT SPACING AND TRENCH WIDTHS TO BE CONFIRMED FOLLOWING THERMAL CALCULATIONS AND CONSULTATION WITH EIRGRID.

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:

- REFER TO DRAWINGS 281240-ARP-ON-CR-DR-PL-1100 TO 1164 FOR PROPOSED ONSHORE CABLE ROUTE.
- TYPICAL DETAILS BASED ON EIRGRID FUNCTIONAL SPECIFICATIONS. REFER TO OFD-SSS-526, OFD-SSS-527, OFD-SSS-528, OFD-SSS-528, OFD-SSS-529, OFD-SSS-530, OFD-SSS-531, & OFD-SSS-532.
- 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

Name
281240-ARP-ONS-XX-DR-PL-3002

Rev
C01

UTILITY CROSSING UNDER
3RD PARTY SERVICES - TYPICAL
DETAILS
SHEET 2 OF 2