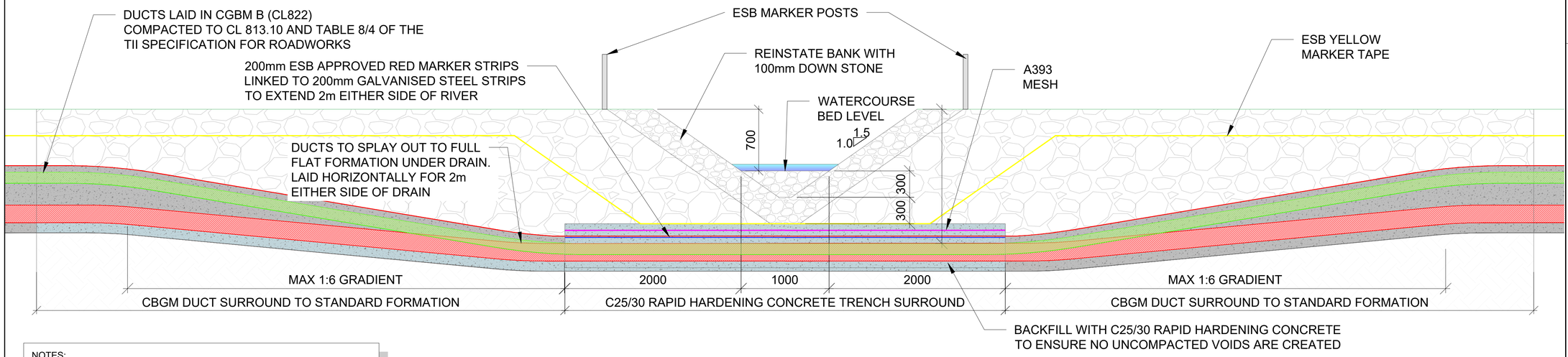


LONGSECTION: OPEN CUT DRAIN CROSSING SCALE 1:25

NOTES:

1. ALL PRODUCTS & MATERIALS TO BE UTILISED DURING CONSTRUCTION TO COMPLY WITH EIRGRID FUNCTIONAL SPECIFICATION, ESBN STANDARDS, TII SPECIFICATION FOR ROAD WORKS & ALL RELEVANT EUROPEAN & BRITISH STANDARDS.
2. 300MM MINIMUM VERTICAL & HORIZONTAL CLEARANCES TO BE OBSERVED BETWEEN CABLE DUCTS & THIRD PARTY SERVICES (E.G. GAS, WATER MAIN, CULVERTS, ETC.) IN THE CASE OF HIGH RISK 3RD PARTY SERVICES, GREATER CLEARANCES MAY BE REQUIIRED. DESIGNER TO CONSULT EIRGRID & 3RD PARTY SERVICE OWNERS FOR GUIDANCE.
3. STEEL PLATES MUST COVER DUCTS. NO OVERLAP IS REQUIRED, HOWEVER STANDARD DIMENSIONS MAY RESULT IN AN OVERLAP. SPACING OF 25MM TO BE MAINTAINED BETWEEN STEEL PLATES TO PREVENT STRAY CURRENT TRANSFER.
4. THE MINIMUM CLEARANCE BETWEEN ALL HV & COMMUNICATION DUCTS IS 75MM, BUT INCREASED SPACING MAY BE REQUIRED TO ACHIEVE THE CABLE RATING (CALCULATIONS TO BE PROVIDED FOR ACCEPTANCE).
5. DRAWING IS INDICATIVE ONLY, TO BE USED TO AID IN THE DESIGN OF THE RELEVANT INFRASTRUCTURE.
6. TEMPLATES TO BE USED AT 5M INTERVALS DURING DUCT INSTALLATION IN CBGM. PRE-MADE 75MM WIDE CONCRETE SPACERS TO BE USED DURING DUCT INSTALLATION IN WET CONCRETE (SAME CONCRETE TYPE).
7. MINIMUM SPACING BETWEEN POWER DUCTS TO BE CONFIRMED FROM RATING CALCULATION.
8. MINIMUM CLEARANCE BETWEEN CABLE TRENCH CONCRETE & RIVER BED TO BE AGREED WITH RELEVANT AUTHORITY.
9. STANDARD ESB MARKER POSTS TO BE INSTALLED AT EITHER SIDE OF RIVER CROSSING.

OPEN CUT DRAIN ALONG THE GRID ROUTE

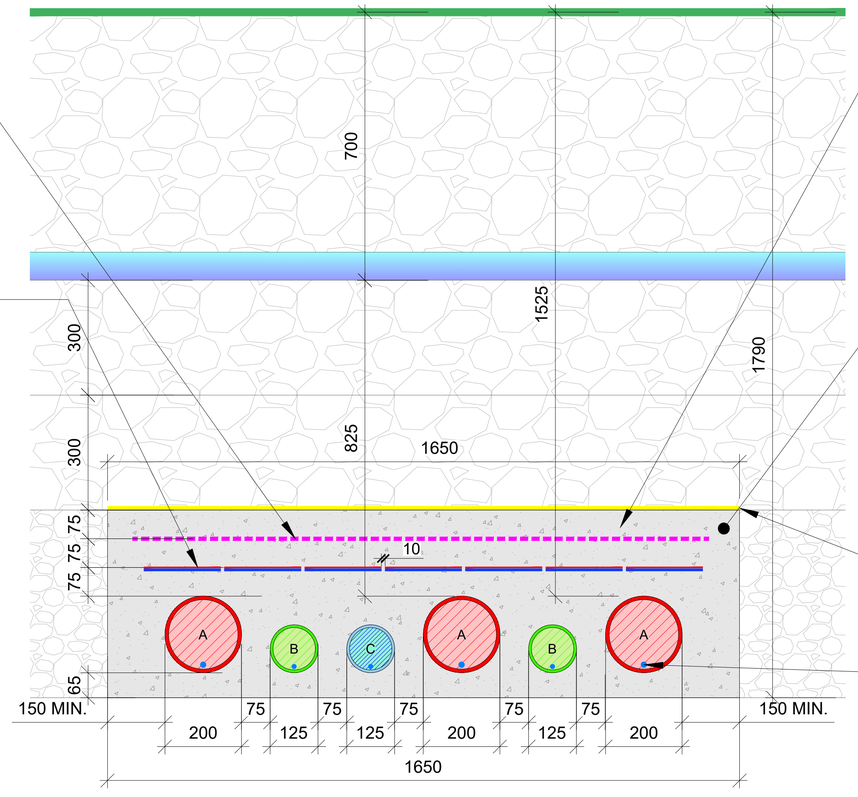
HEALTH & SAFETY NOTE

TEMPORARY WORKS DESIGN CERTIFICATE REQUIREMENTS FOR CABLE ROUTE:

ALL TEMPORARY WORKS ARE THE RESPONSIBILITY OF THE CONTRACTOR. HE SHALL PROCURE A TWDC AS REQUIRED BASED ON HIS PROPOSED WORKS METHODOLOGY. ON THE ASSUMPTION THAT BATTERING OF EXCAVATIONS WILL NOT OCCUR THEN A TWDC WILL BE REQUIRED FOR ALL TRENCH EXCAVATIONS. TWDCS WILL ALSO BE REQUIRED FOR THE USE OF TRENCH BOXES.

A393 MESH FOR WIDTH OF TRENCH INC. 50mm CONCRETE COVER.

7 X 200mm ESBN RED CABLE MARKER STRIPS LINKED TO 7 X 200mm WIDE GALVANISED STEEL PLATES SPACED AT 10mm, MESH AND STEEL PLATES TO EXTEND 2m EITHER SIDE OF RIVERBED AS PER LONGITUDINAL SECTION



BACKFILL WITH C25/30 RAPID HARDENING CONCRETE TO ENSURE NO UNCOMPACTED VOIDS ARE CREATED

BACKFILL WITH C25/30 RAPID HARDENING CONCRETE TO ENSURE NO UNCOMPACTED VOIDS ARE CREATED

YELLOW WARNING TAPE FULL TRENCH WIDTH

ALL DUCTS TO BE ESB APPROVED AND COMPLETE WITH 12MM DIAMETER PULL ROPES.

CROSS SECTION: OPEN CUT DRAIN CROSSING

SCALE 1:15

A. 200mm OUTER DIA HDPE POWER DUCTS SDR = 21,

B. 125mm OUTER DIA HDPE COMMS DUCTS, SDR = 17.6

C. 125mm OUTER DIA DHPE ESB DUCT, SDR 17.6

DO NOT SCALE FROM THIS DRAWING. USE FIGURED DIMENSIONS IN ALL CASES. VERIFY DIMENSIONS ON SITE AND REPORT ANY DISCREPANCIES TO THE DESIGNERS IMMEDIATELY.
THIS DRAWING TO BE READ IN CONJUNCTION WITH THE DESIGNERS SPECIFICATION.
© THIS DRAWING IS COPYRIGHT AND MAY ONLY BE REPRODUCED WITH THE DESIGNERS PERMISSION.

REV	DATE	DESCRIPTION	BY	APP
01	28/11/24	ISSUED FOR PLANNING	PD	CM

PROJECT: SCEIRDE ROCKS OFFSHORE WIND FARM

TITLE: OPEN CUT DRAIN CROSSING

CLIENT: FUINNEAMH SCEIRDE TEO

H&MV ENGINEERING High Voltage Specialists

MWP ENGINEERING AND ENVIRONMENTAL CONSULTANTS
CORK | TRALEE | LONDON | LIMERICK
mwp.ie

DRAWN:	CHECKED:	APPROVED:
P.D.	C.M.	I.B.

PROJECT NUMBER:	DATE:	SCALE @ A1:
24204	OCT '24	AS SHOWN

STATUS DESCRIPTION: FOR PLANNING — STATUS: S4

DRAWING NUMBER: IRE1 - HMV - ONC - EL - PD - 6000 — REV: 01