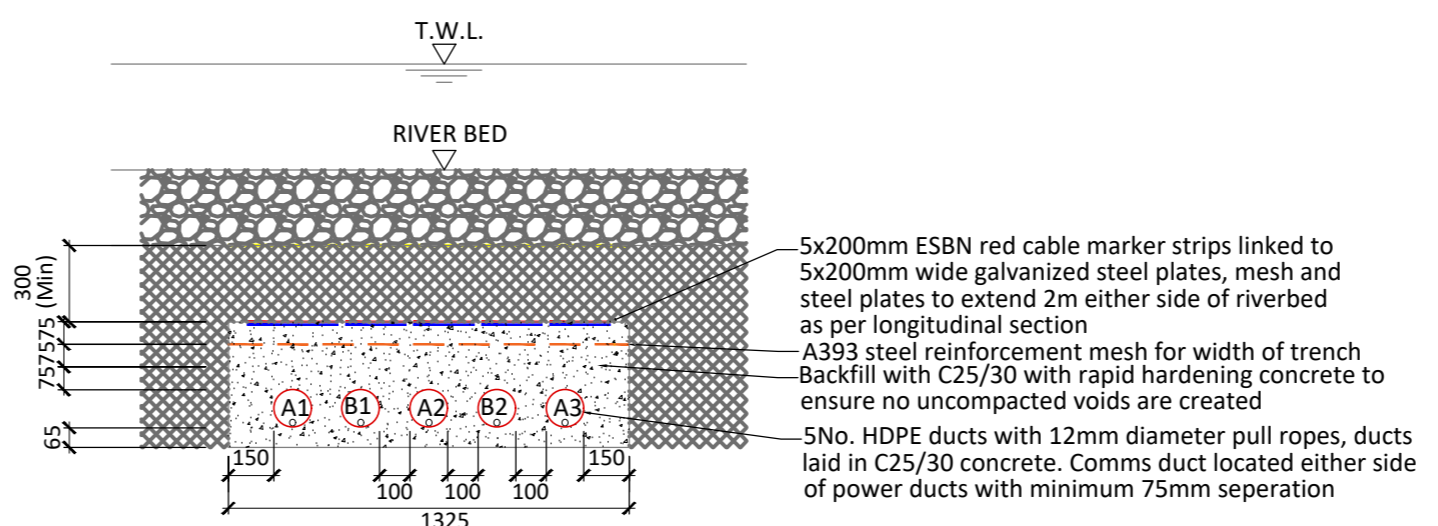


SECTION
SCALE: 1:20

LEGEND:

- Red marker strip
- Yellow marker warning tape
- - - A393 steel reinforcement mesh
- 6mm galvanized steel plate
- Rapid hardening wet concrete C25/30
- CBGM B (CL. 822), compacted to CL. 813.10
- Existing ground
- Reinstated riverbed



SECTION
SCALE: 1:20

A = 160mm OUTER DIAMETER HDPE ESB APPROVED POWER DUCT, SDR=17.6
B = 125mm OUTER DIAMETER HDPE ESB APPROVED COMMS DUCT, SDR=17.6

- GENERAL NOTES**
- This drawing is subject to ESB design approval and is not to be used for Construction.
 - This drawing is to be read in conjunction with all other relevant documentation.
 - Do not scale from this drawing use only gisted dimensions.
 - All dimensions are in millimetres, all chainages, levels and co-ordinates are in metres unless defined otherwise.
 - No excavation shall commence until the Contractor has consulted up to date services drawings and carried out an Electromagnetic Locator (EML) Scan.
 - Hand dig only within 500mm of existing services.
 - If compacting CBGM B could cause damage to the culvert / service below, use rapid hardening cement grade C25/30 following engineers prior approval.
 - For standard trench cross section drawings and minimum horizontal separation to existing services, see 6289-PL-GR-1201 (THEFOL) and 6289-PL-GR-1202 (PLAT).
 - Where depths exceed 2000mm to the top of duct the contractor shall consult the cable system design engineer for phase spacing requirements.
 - Backfill as per guidelines for the opening, backfilling and reinstatement of openings in public roads (2015).
 - ESB's preference is to cross under existing services where possible. This design may only be applied with confirmation in writing from the Engineer on a case by case basis.
 - The Contractor is responsible for the design and construction of all temporary works. The Contractor shall appoint a temporary works designer, and submit temporary works design to PSEP for review.
 - 225 mm minimum concrete cover ducts where they transition from standard cross section and where they are at least 100mm from the ground level.
 - Roads with existing deep asphalt require a minimum 225 mm from the underside of the existing asphalt to the top of the cable duct.
 - The owner of the existing utility being crossed must be consulted in advance of works commencing as per their guidelines.
 - The 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.
 - All works shall be in accordance with Irish Water code of practice for infrastructure.
 - As per WIS 4-08-02 & IGN 4-08-01 granular material shall be 14mm to 5mm graded aggregate or 10mm single sized aggregate.
 - Where duct for Earth Continuity Conductor (ECC) is required for single point bonded sections, attach the 53mm ECC-duct to the B1-duct and update the trench width accordingly.

rev.	modifications	by	chk	date

Client Constant Energy Limited				
Project Proposed Tirawley Wind Farm & 110kV Grid Connection Route				
Stage Planning				
Title Grid Connection Route: Proposed 110kV Crossing Existing Ditch / Watercourse				
Scales 1:25 (A2)				
Surveyed	Drawn	Checked	Approved	Date
	LB	DT/MG	DK	April 2026

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FINISKLIN Tel (+353) 719 161 416
SLIGO Email. info@jodireland.com
IRELAND www.jodireland.com

Drawing No. 6289-PL-GR - 1314	Revision
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