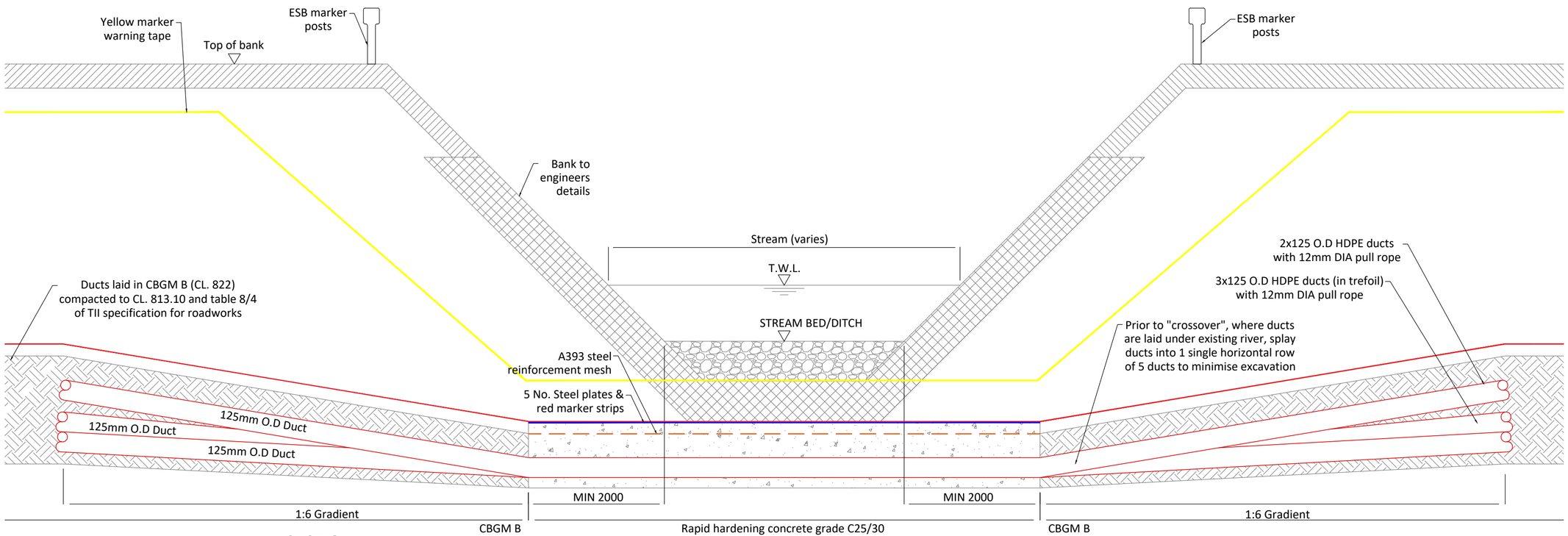
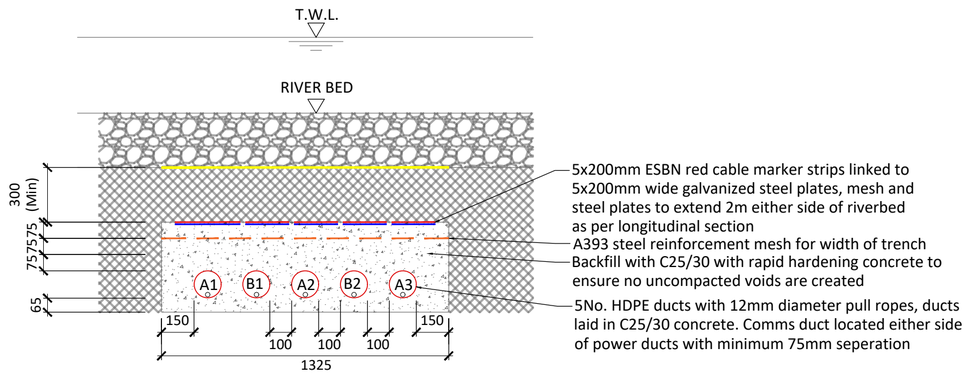
ISO A2 420mm x 594mm



SECTION
SCALE: 1:20

NOTES:
1. This design is subject to ESB approval and should not be used for Construction.
2. This drawing should be read with all other relevant documentation.
3. Do not scale from this drawing, use printed dimensions only.
4. All dimensions are in millimeters unless stated otherwise.
5. No excavations shall commence until the Contractor has consulted up to date services drawings and carried out an EML scan onsite to confirm services.
6. Hand dig only within 500mm of existing services.
7. For standard trench cross sections see 05829-DR-150 (Trefoil) and 05829-DR-153 (Flat).
8. Where depths exceed 2500mm to the top of duct, the Contractor shall consult the design engineer.
9. All products and materials to be utilised during construction to comply with ESB functional specification, ESBN standards, TII specification for road works and all relevant Irish (European) and British standards.
10. 300mm minimum vertical and horizontal clearances to be observed between cable ducts and third party services (e.g. Gas pipes, watermains, culverts, etc.) in the case of high risk 3rd party services, greater clearances may be required.
11. Steel plates must cover ducts. No overlap is required however standard dimensions may result in an overlap. Spacing of 10mm to be maintained between steel plates to prevent the transfer of stray current.
12. Minimum clearance between cable trench concrete and river bed to be agreed with relevant authority. In any case, no less than 300mm.
13. Standard ESB marker posts to be installed at either side of ditch/stream crossing.

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



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

SECTION
SCALE: 1:20

Project Management Initials: Designer: AF Checked: DB Approved: RG

tli GROUP
Head Office
Beenreigh, Abbeydorney,
Tralee, Co. Kerry, Ireland
Tel: 00353 66 7135710

PROJECT
Dyrick Hill Wind Farm
110kV Grid Connection

CLIENT
EMPower

CONSULTANTS

NOTES: -

LEGEND: -

ISSUE/REVISION

P0	16.09.22	Issued For Planning
I/R	DATE	DESCRIPTION

PROJECT NUMBER
05-829

SHEET TITLE
Typical Trench Crossing Detail
Ditch / Watercourse

SHEET NUMBER
05829-DR-157