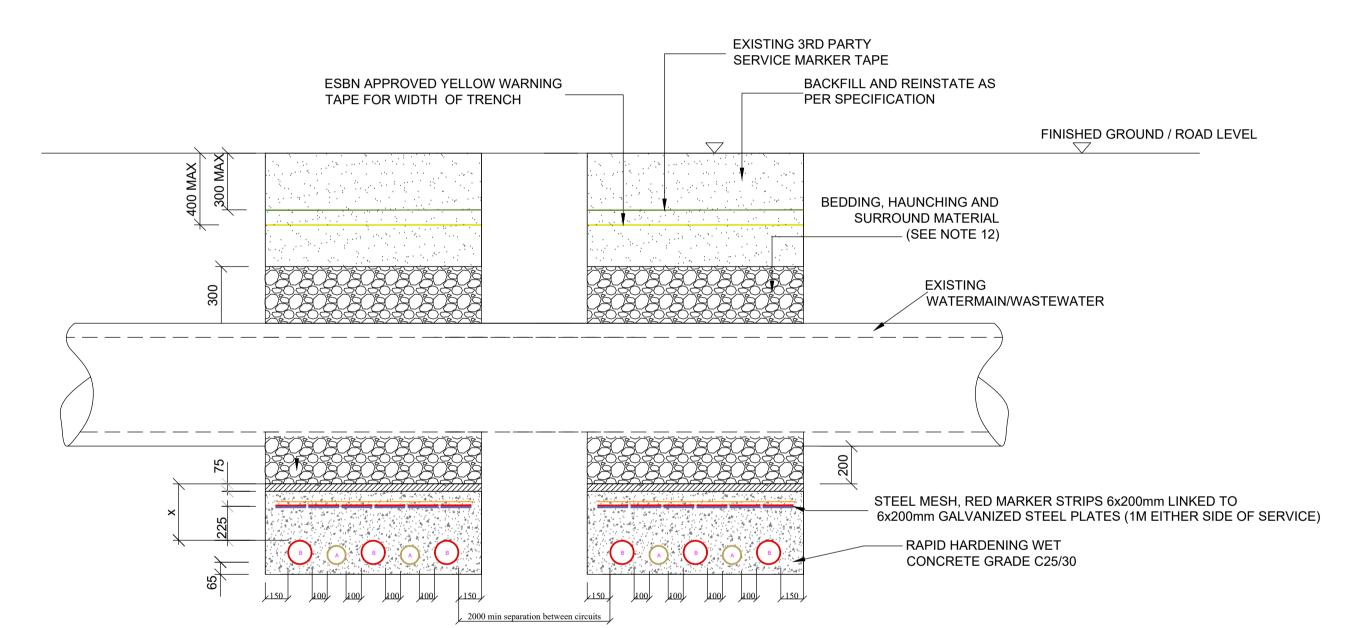
SECTION A-A

SCALE 1:50

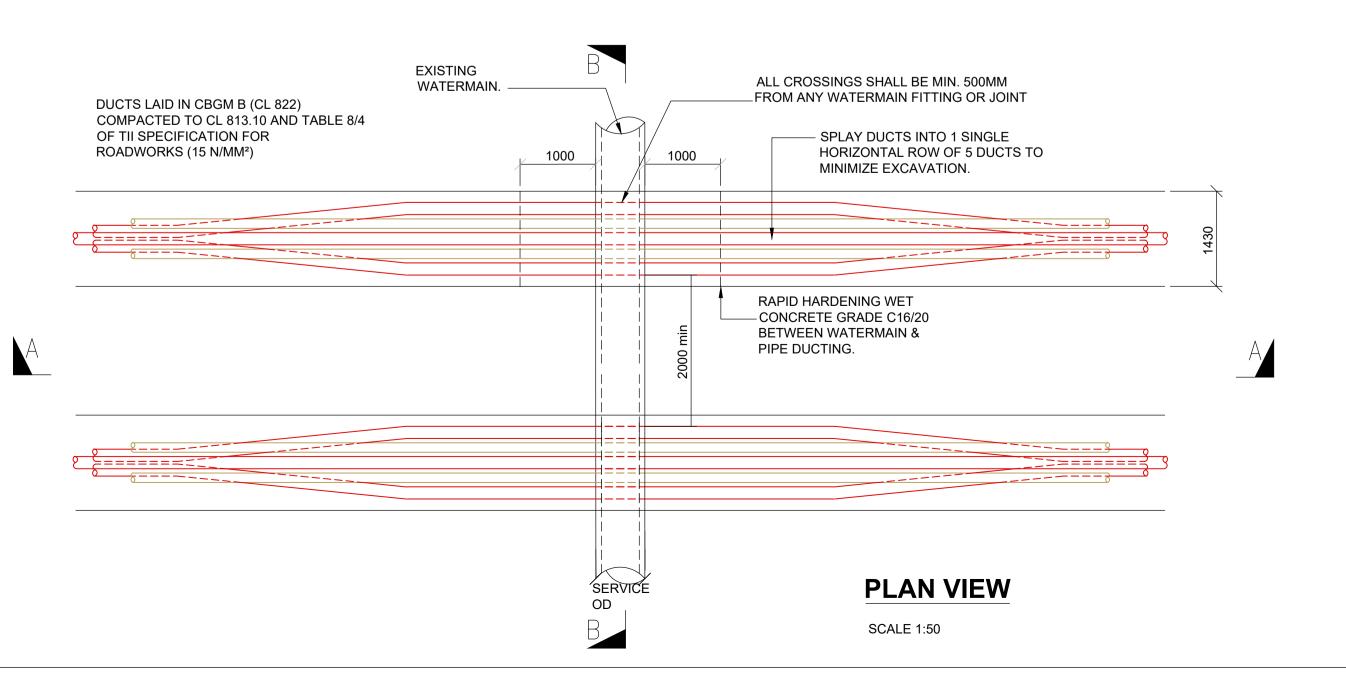


A = 125mm OUTER DIAMETER HDPE ESB APPROVED DUCT, SDR=17.6

B = 160mm OUTER DIAMETER HDPE ESB APPROVED DUCT, SDR=21

SECTION B-B

SCALE: NTS



GENERAL NOTES

- This design is subject to EirGrid design approval.
 This drawing is to be read in conjunction with all other
- relevant documentation.3. Do not scale from this drawing use only printed dimensions.
- 4. All dimensions are in millimetres, all chainages, levels and co-ordinates are in metres unless defined otherwise.
- 5. This drawing is to be read in conjunction with the project
 Health & Safety file for any identified potential risks.

 6. No excavation shall commence until the contractor has
- 6. No excavation shall commence until the contractor has consulted up to date services drawings and carried out an Electromagnetic Locator (EML) Scan.7. Hand dig only within 500mm of existing services.
- Hand dig only within Soonin 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 05699-100,101, 108 (TREFOIL) and 05699-104 (FLAT).
- 10. Where depths exceed 3000mm to the top of duct the contractor shall consult the cable system design engineer for phase spacing requirements.
- 11. All works shall be in accordance with Irish Water code of practice for infrastructure.

12mm DIAMTER PULL ROPE

RED MARKER STRIP OR

STEEL PLATES

- 12.Backfill as per guidelines for the opening, backfilling and reinstatement of openings in public roads (2015)
- 13. As per WIS 4-08-02 & IGN 4-08-01 granular material shall be 14mm to 5mm graded aggregate or 10mm single sized aggregate
- 14. All Products and materials to be utilised during construction to comply with Eirgrid functional specification for road works and all relevant Irish (European) and British standards
 15. 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 mat be required.

Designer to consult Eirgrid and 3rd party service owners for

- guidance
 16. 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.
- 17. Templates are 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

 18. If existing service marker tape is not present, the ESBN
 yellow marker tape should be installed at maximum 300mm
 below finished surface level

LEGEND

160mm Ø HDPE
POWER DUCT WITH
12mm DIAMTER PULL ROPE
125mm Ø HDPE
COMMUNICATION DUCT WITH
EXISTING 3RD PARTY MARKER TAPE

 EXISTING WATERMAIN
 X (mm)

 <=300</td>
 200

 >300
 300



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PROJECT

Castlebanny Wind Farm 110kV Grid Connection

CLIENT



CONSULTANTS



NOTES: -

See General Notes

LEGEND: -

ISSUE/REVISION

P01 02.12.20 Issued for Planning
P00 08.09.20 Issued for Information
I/R DATE DESCRIPTION

PROJECT NUMBER

05-699

SHEET TITLE

Typical DC Trench Sections for Crossing Under Watermain

SHEET NUMBER

05699-DR-110