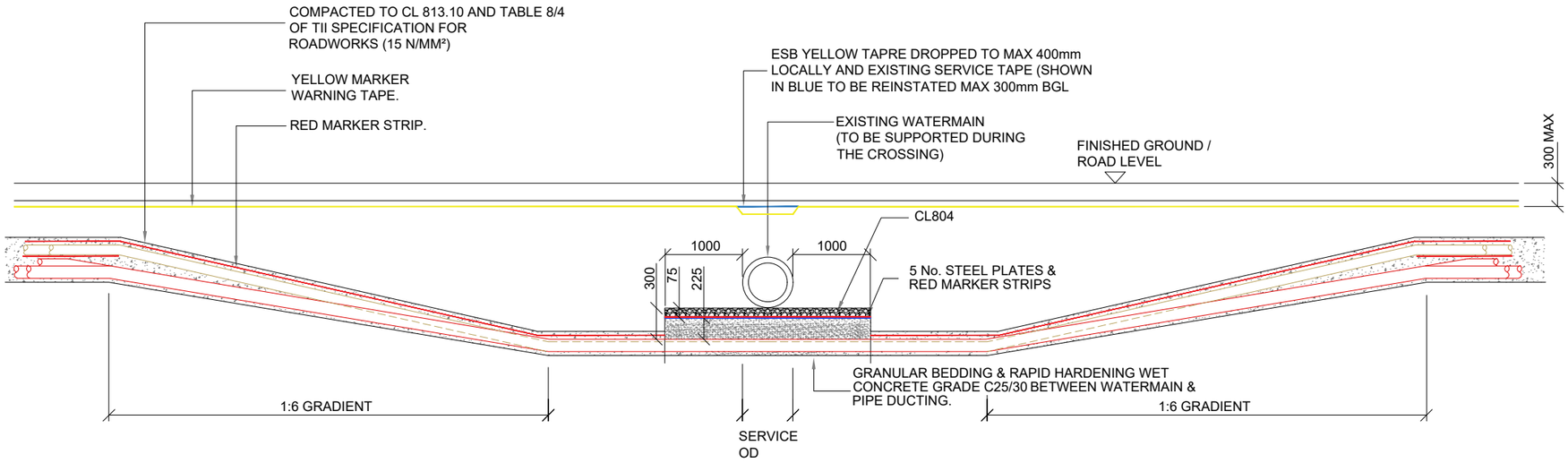
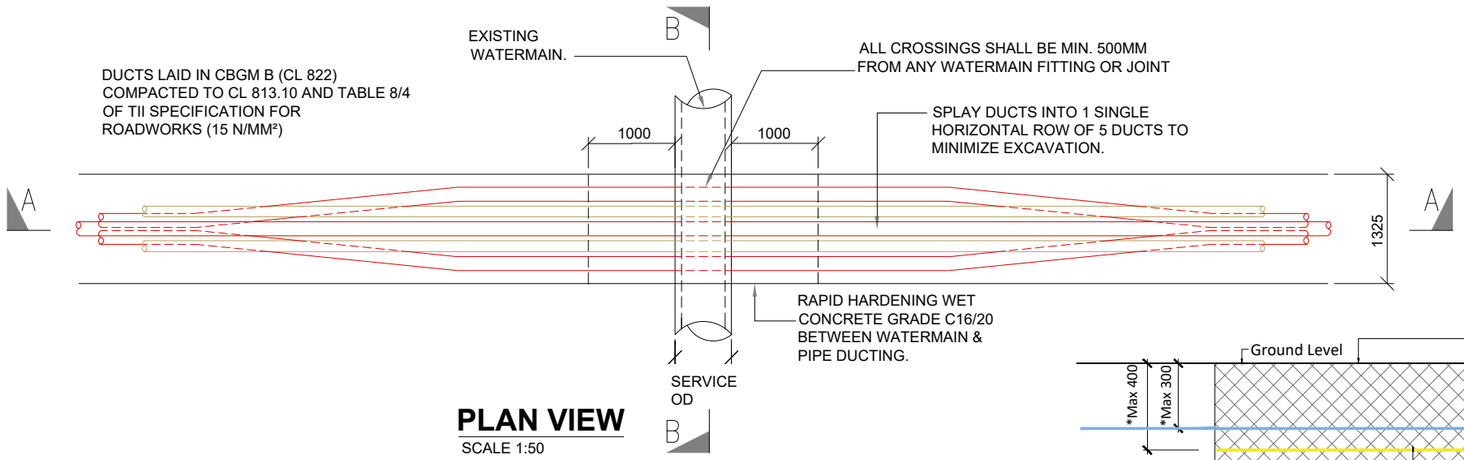
ISO A2 420mm x 594mm



SECTION A-A

SCALE 1:50



PLAN VIEW

SCALE 1:50

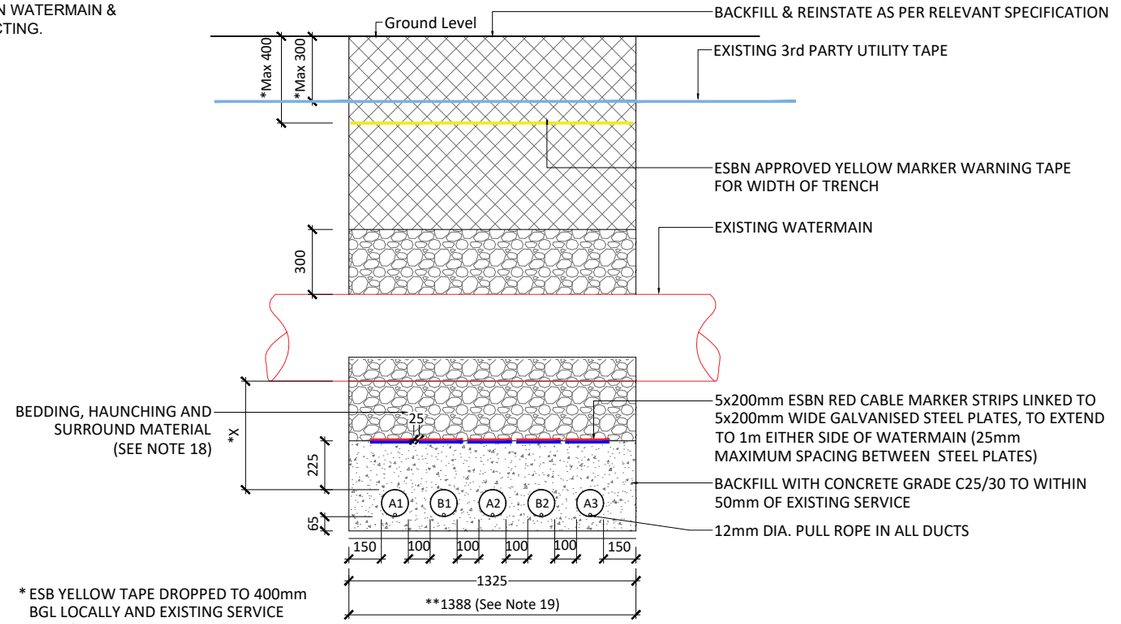
WATERMAIN UNDERCROSSING

LEGEND

- 125mm Ø HDPE POWER DUCT WITH 12mm DIAMTER PULL ROPE
- 125mm Ø HDPE COMMUNICATION DUCT WITH 12mm DIAMTER PULL ROPE
- RED MARKER STRIP OR STEEL PLATES
- YELLOW MARKER WARNING TAPE
- 6mm GALVANISED STEEL PLATE
- EXISTING SERVICE TAPE

GENERAL NOTES

1. This drawing is subject to ESB design approval and is not to be used for construction.
2. 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. No excavation shall commence until the Contractor has consulted up to date services drawings and carried out an Electromagnetic Locator (EML) Scan.
6. Hand dig only within 500mm of existing services.
7. If compacting CBGM B could cause damage to the culvert / service below, use rapid hardening cement grade C25/30 following engineers prior approval.
8. For standard trench cross section drawings and minimum horizontal separation to existing services, see 05828-DR-150 (TREFOIL) and 05828-DR-153 (FLAT).
9. Where depths exceed 2500mm to the top of duct the contractor shall consult the cable system design engineer for phase spacing requirements.
10. Backfill as per guidelines for the opening, backfilling and reinstatement of openings in public roads (2015).
11. **ESB's preference is to cross under existing services where possible.**
12. 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 PSDP for review.
13. 225 mm minimum concrete over ducts where they transition from standard cross section and where they are at less than standard cover to ground level.
14. Replace existing service marker tape over ESB yellow marker tape.
15. The owner of the existing utility being crossed must be consulted in advance of works commencing as per their guidelines.
16. 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.
17. All works shall be in accordance with Irish Water code of practice for infrastructure.
18. As per WIS 4-08-02 & IGN 4-08-01 granular material shall be 14mm to 5mm graded aggregate or 10mm single sized aggregate.
19. Where duct for Earth Continuity Conductor (ECC) is required for single point bonded sections, attach the 63mm ECC duct to the B1 duct and update the trench width accordingly.



* ESB YELLOW TAPE DROPPED TO 400mm BGL LOCALLY AND EXISTING SERVICE TAPE (SHOWN IN BLUE TO BE REINSTATED 300mm BGL)

SECTION B - B

SCALE: 1:20

EXISTING WATERMAIN Ø	X (mm)
<=300	300
>300	500

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

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

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PROJECT

Coumnagappul Wind Farm
110kV Grid Connection

CLIENT

EMPower

CONSULTANTS

NOTES: -

LEGEND: -

ISSUE/REVISION

I/R	DATE	DESCRIPTION
P1	13.01.2023	Issued For Planning

PROJECT NUMBER

05-828

SHEET TITLE

Trench Sections For Crossing Existing Watermain Undercrossing

SHEET NUMBER

05828-DR-159