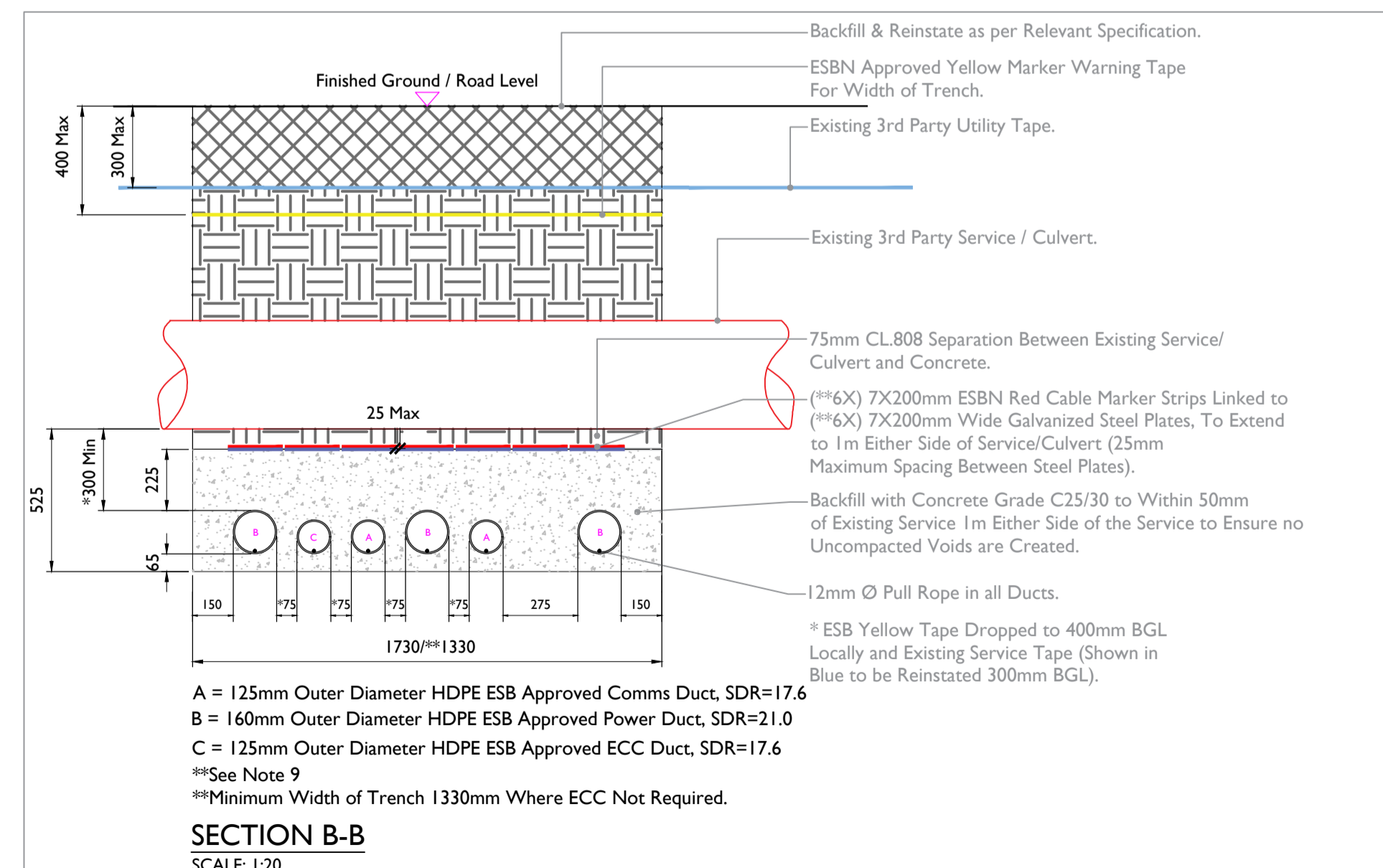


GENERAL NOTES:

- Please note that this is drawing for planning 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 printed dimensions.
- All dimensions are in millimeters are in meters 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.
- 300mm minimum vertical and horizontal clearances to be observed between cable ducts and 3rd party services (e.g. gas pipes, water mains, culverts etc.). Greater clearances may be required in proximity to high pressure mains. Designer to consult with 3rd party service owners for guidance.
- The minimum clearance between all HV and communication ducts is 75mm, but increased spacing may be required in order to achieve the cable rating (to be confirmed by designer cable rating calculations).
- Backfill as per guideline for managing opening in public roads - guidelines for the opening, backfilling and reinstatement of openings in public roads (2017).
- Eirgrid's Preference is to Cross Under Existing Services Where Possible.**
- The contractor is responsible for the design and construction of all temporary works. The contractor shall appoint a temporary works designer, and submit temporary work design to PSDP for review.
- 225mm minimum concrete over ducts where they transition from standard cross section and where they are at less than standard cover to ground level.
- The owner of the existing utility being crossed must be consult in advance of works commencing as per their guidelines.
- Replace existing service marker tape over ESB yellow marker tape.
- 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.



LEGEND

- 160mm Ø HDPE Power Duct with 12mm Diameter Pull Rope
- 125mm Ø HDPE Communication Duct with 12mm Diameter Pull Rope
- 125mm Ø HDPE Earth Continuity Conductor Duct with 12mm Diameter Pull Rope
- Existing Service Tape
- Yellow Marker Warning Tape
- Red Cable Marker Strip
- 6mm Galvanized Steel Plate

PROJECT

**Ballincor Wind Farm
110 kV Grid Connection**

CLIENT

RWE

CONSULTANTS



NOTES: -

- See General Notes

LEGEND: -

ISSUE/REVISION

I/R	DATE	DESCRIPTION
P2	07.07.2025	Issued for Planning
PI	16.08.2024	Issued for Planning

PROJECT NUMBER

05-867

SHEET TITLE

110kV Service/Culvert Undercrossing
Detail Drawing

SHEET NUMBER

05867-DR-211