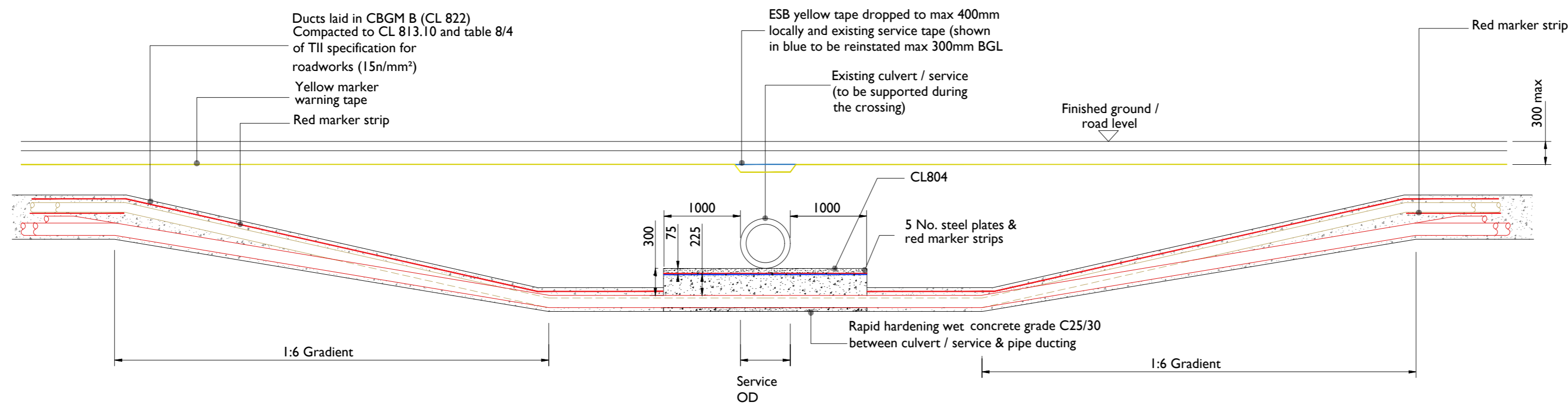
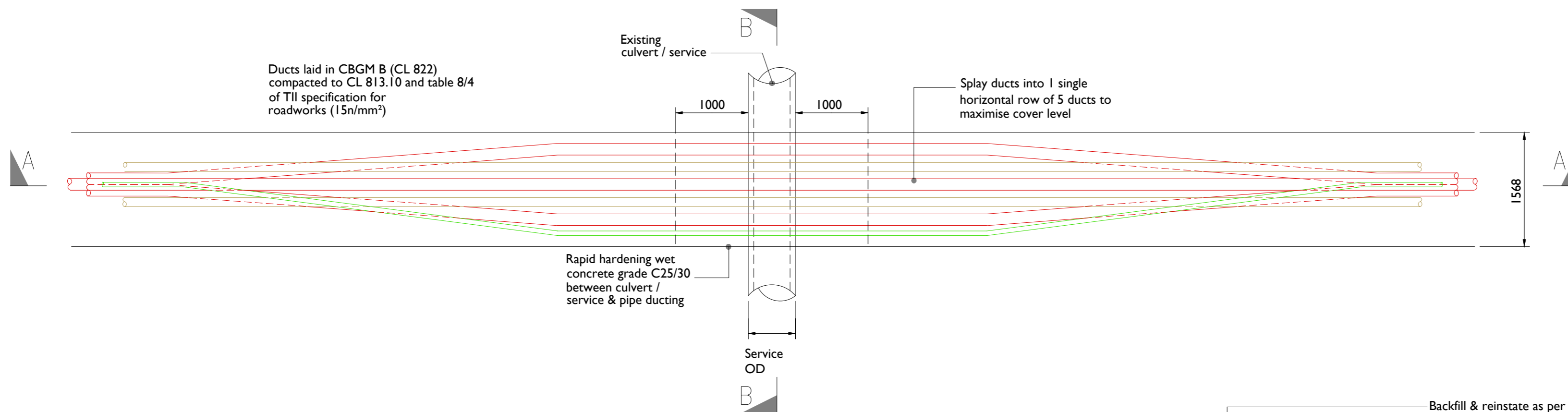


NO	DATE	DESCRIPTION
P3	19.05.23	Issued for Planning
P2	15.03.23	Issued for Planning
P1	24.02.23	Issued for Planning
I/R	DATE	DESCRIPTION



Section A-A
 SCALE 1:50



Plan View
 SCALE 1:50

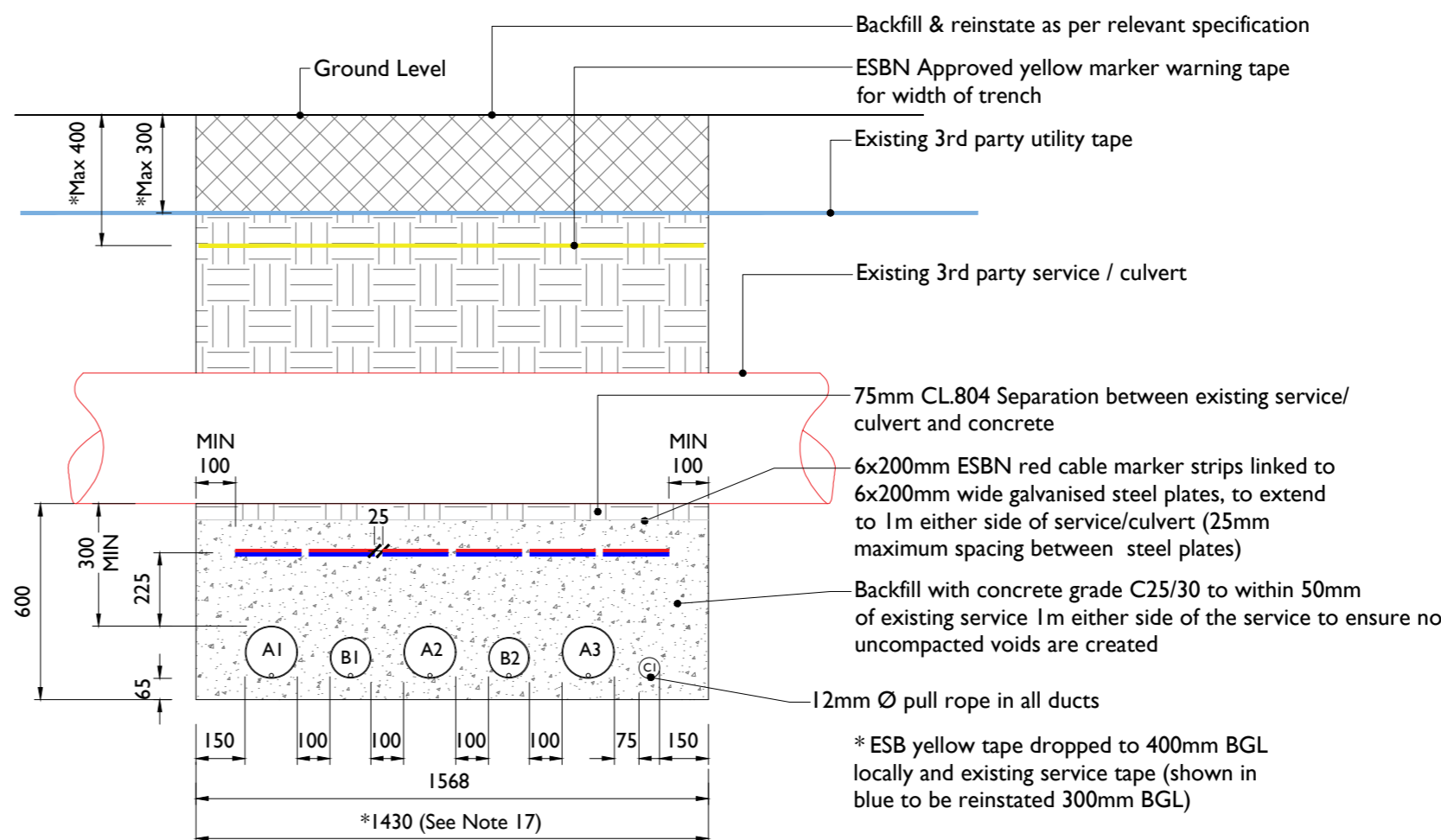
SERVICE UNDERCROSSING

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 printed 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 05868-DR-005 / 006 (TREFOIL) and 05868-DR-007 (FLAT).
- Where depths exceed 2500mm to the top of duct the Contractor shall consult the cable system design engineer for phase spacing requirements.
- Backfill as per Guidelines for Managing Openings in Public Roads - guidelines for the opening, backfilling and reinstatement of openings in public roads (2017).
- ESB'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 works 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.
- Replace existing service marker tape over ESB yellow marker tape.
- 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.
- Where duct for Earth Continuity Conductor (ECC) is required for single point bonded sections, the min 63mm ECC duct is to be installed outside of phase duct.

LEGEND

- 160mm Ø HDPE power duct with 12mm diameter pull rope
- 125mm Ø HDPE communication duct with 12mm diameter pull rope
- 63mm Ø HDPE earth continuity conductor with 12mm diameter pull rope
- Red marker strip or Steel plates
- yellow marker warning tape
- 6mm galvanised steel plate
- Existing service tape



SECTION B-B
 SCALE: 1:20

- A = 160mm outer diameter HDPE ESB approved power duct, SDR=21
- B = 125mm outer diameter HDPE ESB approved comms duct, SDR=17.6
- C = 63mm outer diameter HDPE for earth continuity conductor