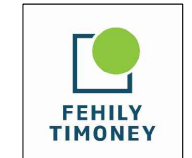


ISO A1 594mm x 841mm



- NOTES: -
- This drawing is to be read in conjunction with relevant engineering drawings, specifications and reports.
 - Dimensions are in millimeters, & coordinate system is ITM, unless noted otherwise.
 - Drawings are not to be scaled use figured dimensions only.

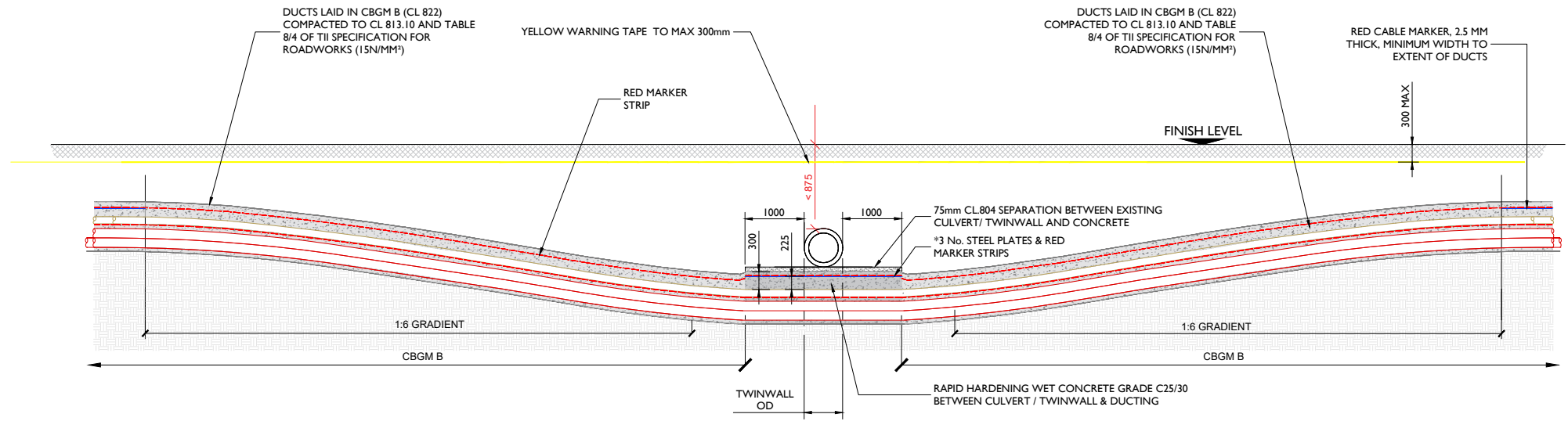
- 160mm Ø HDPE POWER DUCT WITH 12mm DIAMETER PULL ROPE
- 125mm Ø HDPE COMMUNICATION DUCT WITH 12mm DIAMETER PULL ROPE
- 63mm Ø HDPE EARTH CONTINUITY CONDUCTOR WITH 12mm DIAMETER PULL ROPE
- RED MARKER STRIP OR STEEL PLATES
- YELLOW MARKER WARNING TAPE
- 6mm GALVANISED STEEL PLATE

| NO | DATE | DESCRIPTION |
|-----|----------|---------------------|
| P2 | 13.03.26 | Issued for Planning |
| P1 | 29.10.25 | Issued for Planning |
| N1 | 02.04.25 | Issued for Review |
| I/R | DATE | DESCRIPTION |

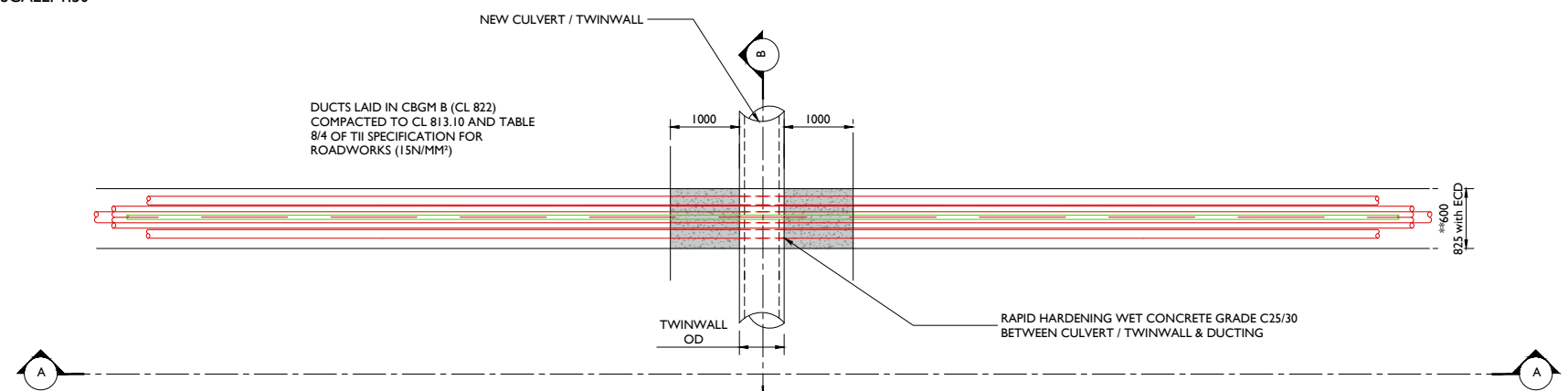
300-100920

Trench Sections For Undercrossing
 New Culvert
 225mm Dia Twinwall

300100920-DR-255



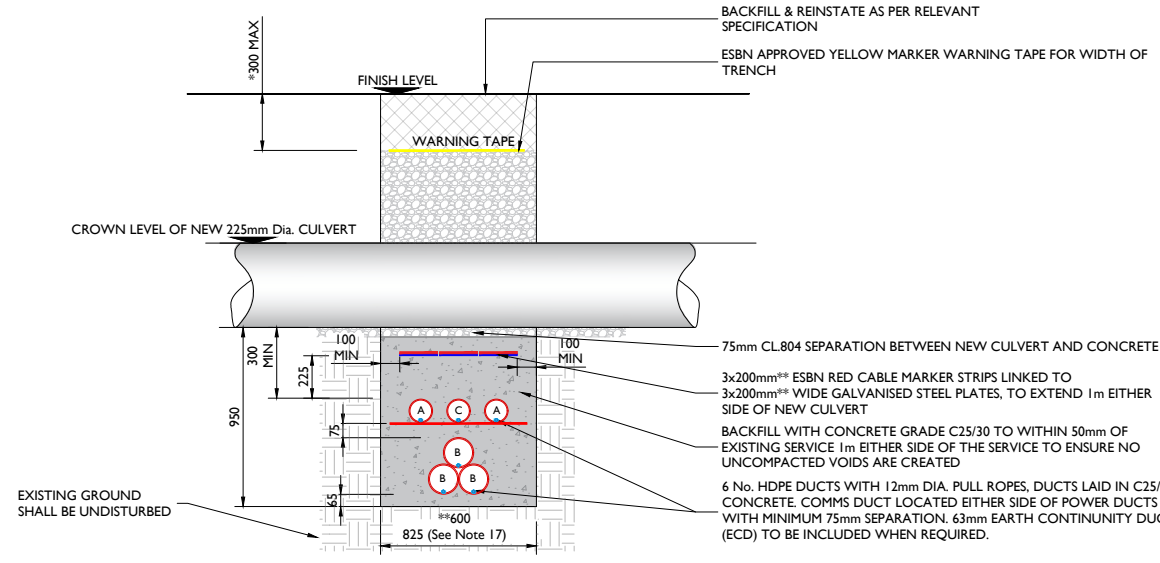
SECTION A-A
 SCALE: 1:50



PLAN VIEW - NEW CULVERT UNDERCROSSING
 SCALE: 1:50

GENERAL NOTES:

- THIS DRAWING IS SUBJECT TO 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 300100920-DR-230 (TREFOIL)
- 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 THE OPENING, BACKFILLING AND REINSTATEMENT OF OPENINGS IN PUBLIC ROADS (2015).
- ESB'S PREFERENCE IS TO CROSS UNDER EXISTING SERVICES WHERE POSSIBLE.
- BACKFILL AS PER GUIDELINES FOR THE OPENING, BACKFILLING AND REINSTATEMENT OF OPENINGS IN PUBLIC ROADS (2015)
- 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.
- INVERT LEVEL OF NEW TWIN WALL PIPE TO MATCH INVERT LEVEL OF EXISTING STONE CLAPPER CULVERT.
- 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, ATTACH THE 63MM ECC DUCT TO THE A DUCT AND UPDATE THE TRENCH WIDTH ACCORDINGLY.



SECTION B-B
 SCALE: 1:20

ISSUED FOR PLANNING
 13.03.2026

Project Management Initials: Designer: AR Checked: POS Approved: DB