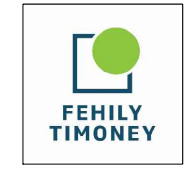


ISO A1 594mm x 841mm



- 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.

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

ISSUE/REVISION

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

PROJECT NUMBER

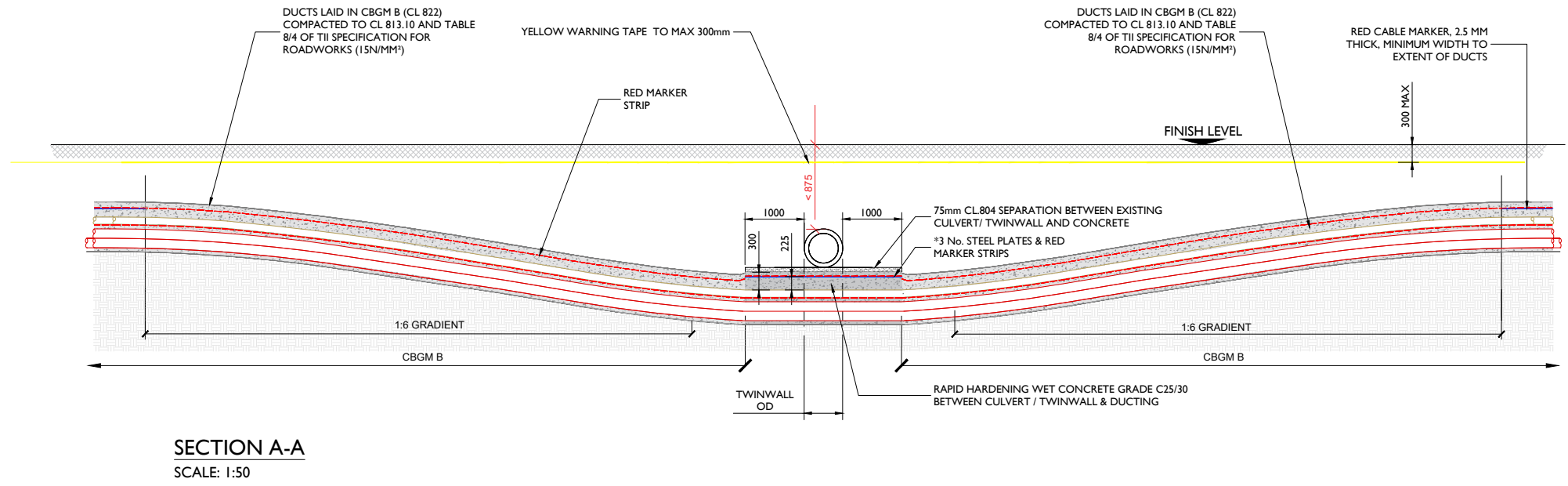
300-100920

SHEET TITLE

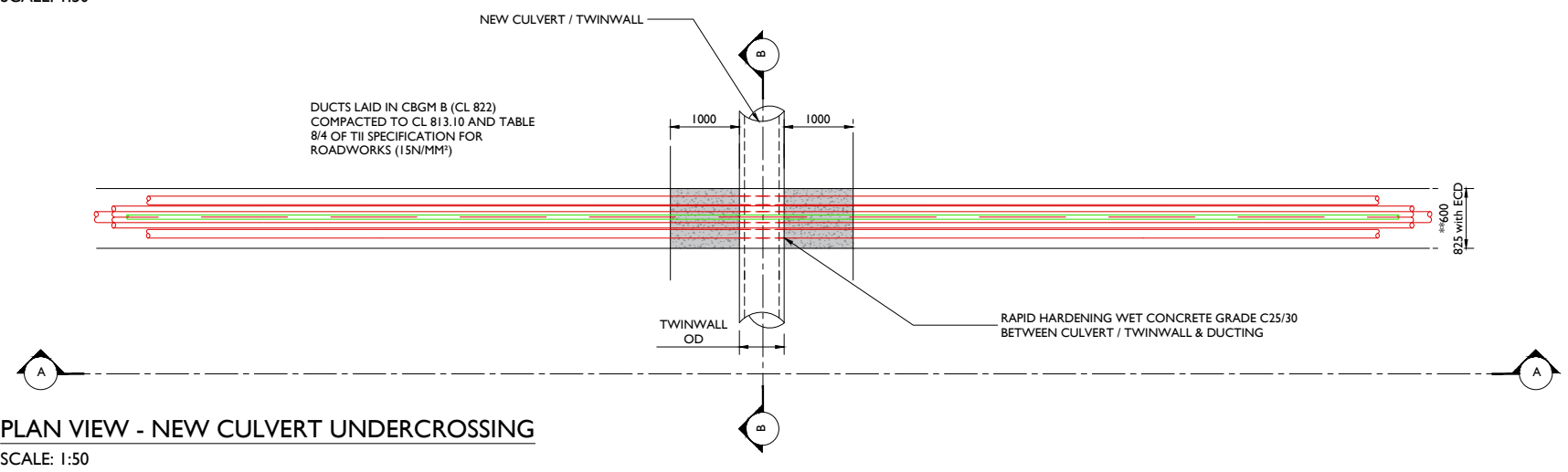
Trench Sections For Undercrossing
 New Culvert
 600mm Dia Twinwall

SHEET NUMBER

300100920-DR-256

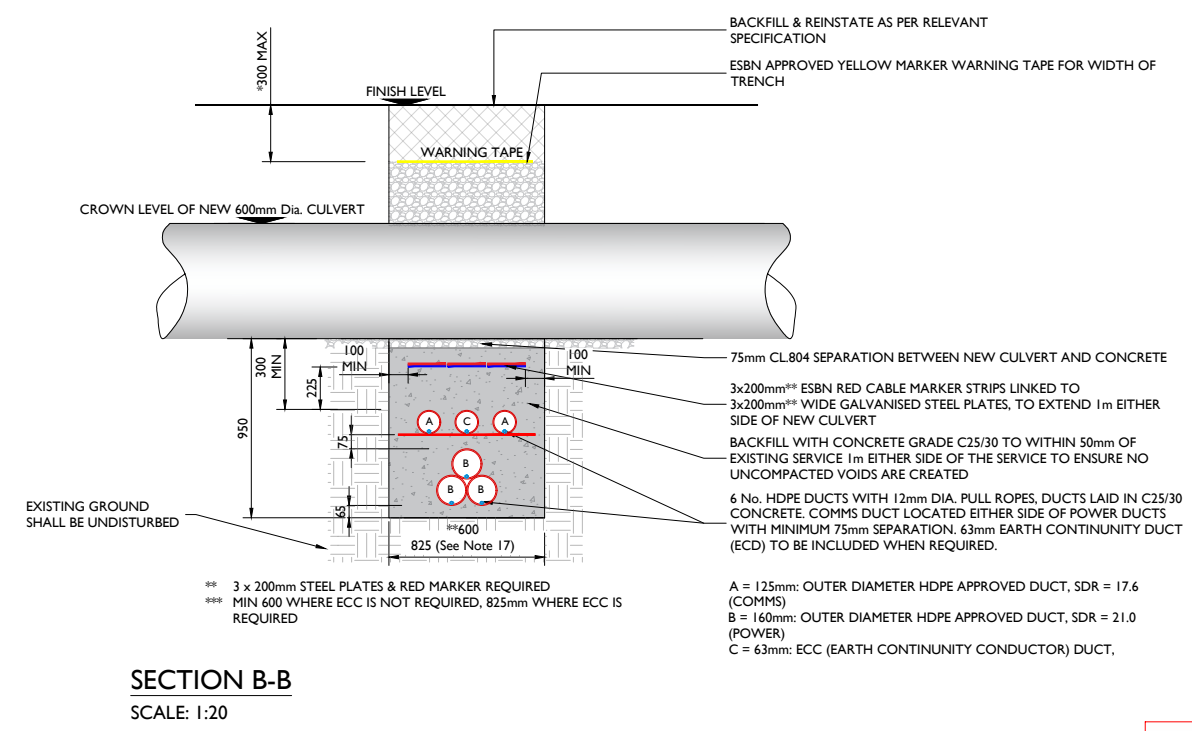


SECTION A-A
 SCALE: 1:50



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 SECTIONS SEE 300100920-DR-230 (TREFOIL) SEPARATION TO EXISTING SERVICES.
 - 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