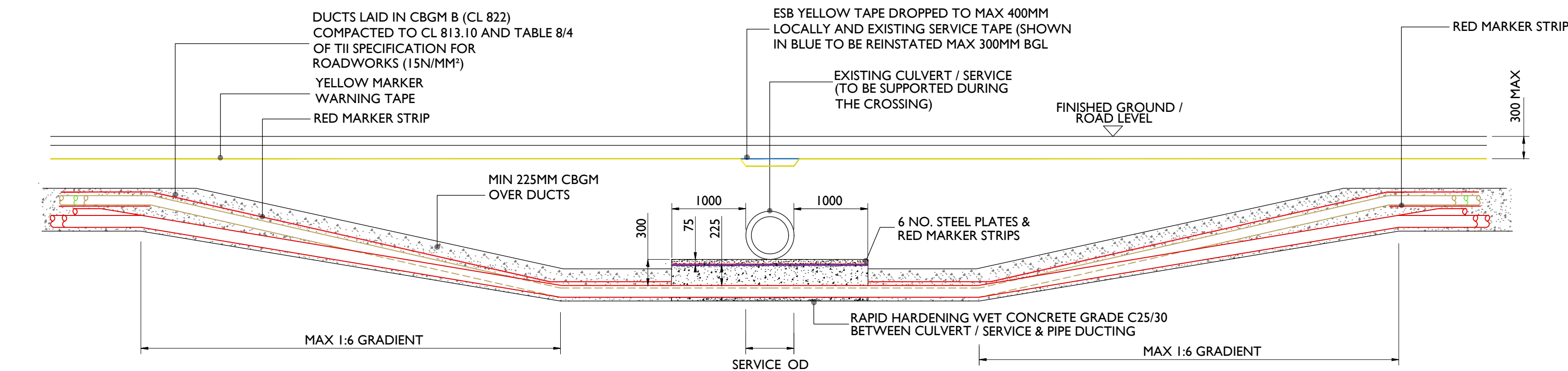
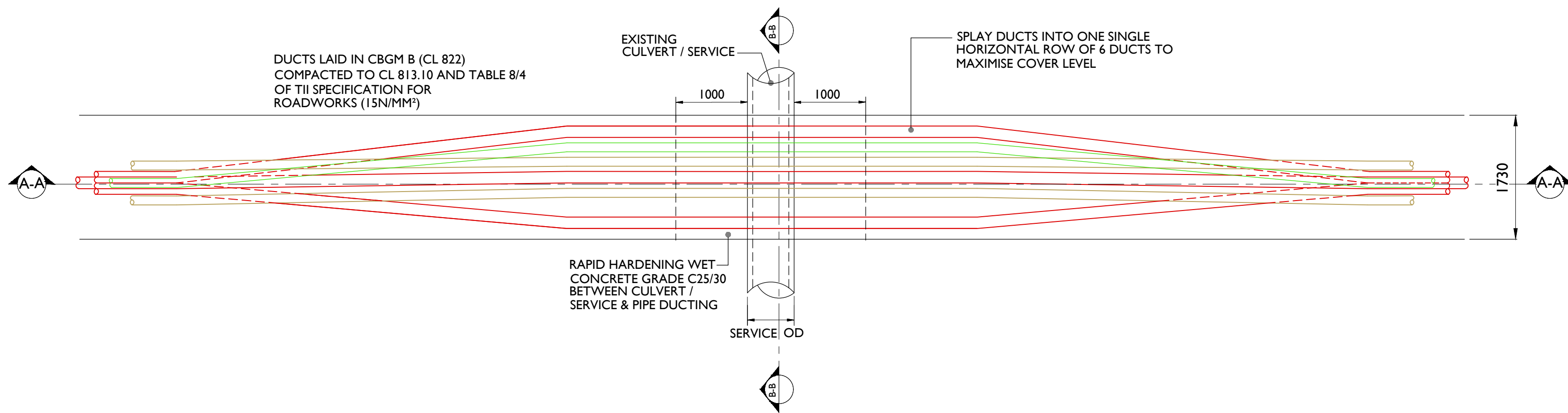


ISO A1 594mm x 841mm

Project Management Initials: Designer: ST Checked: GD Approved: GH



Section A-A
SCALE 1:50



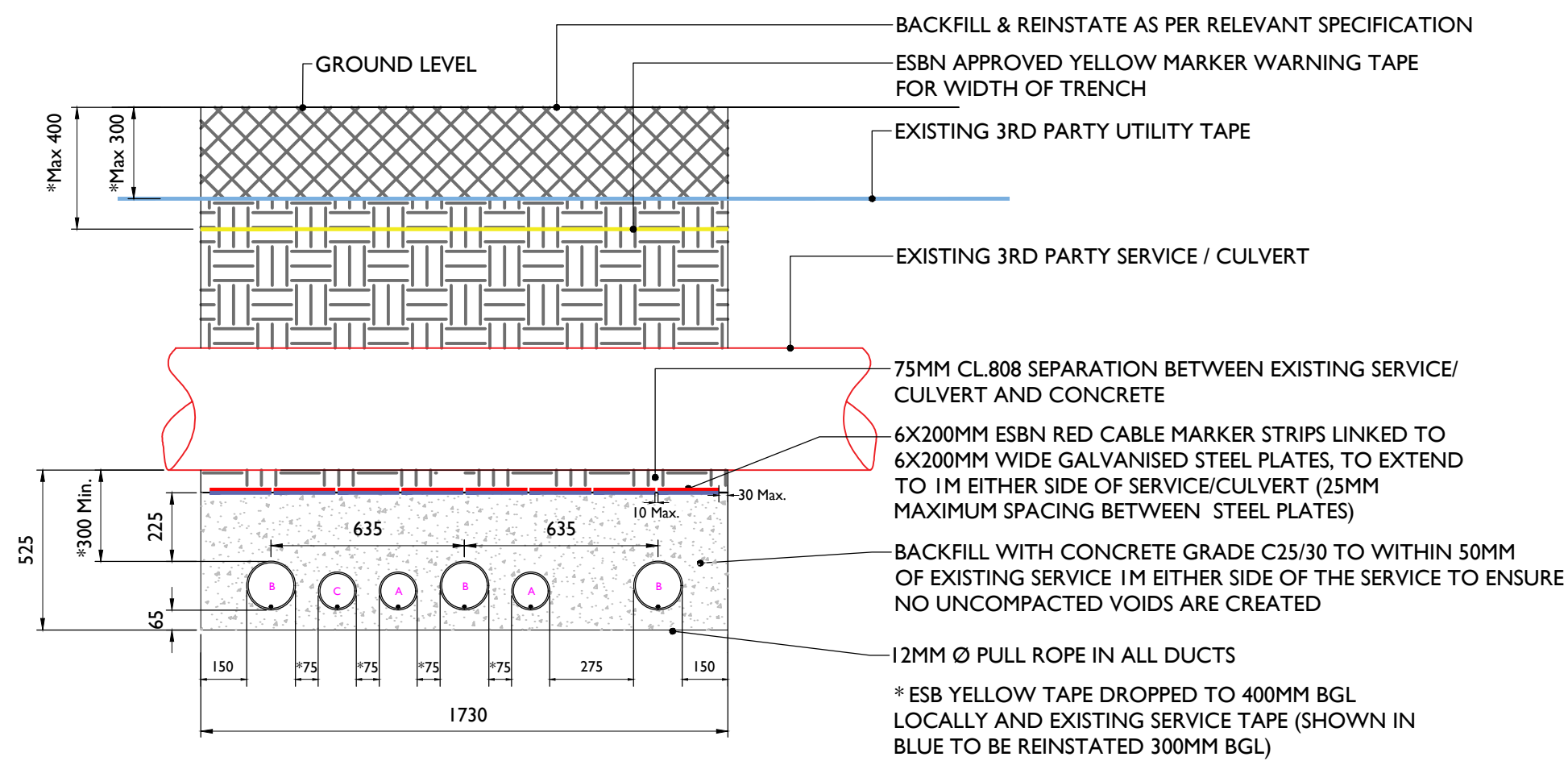
Plan View
SCALE 1:50

GENERAL NOTES:

- 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 05854-DR-201 to 05854-DR-208 (TREFOIL CONFIGURATION) AND 05854-DR-209 (FLAT FORMATION).
- 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).
- 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 WORKS DESIGN TO PSDP FOR REVIEW.
- 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.
- THE OWNER OF THE EXISTING UTILITY BEING CROSSED MUST BE CONSULTED 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
- RED MARKER STRIP OR STEEL PLATES
- YELLOW MARKER WARNING TAPE
- 6MM GALVANISED STEEL PLATE
- EXISTING SERVICE TAPE



- A = 125MM OUTER DIAMETER HDPE ESB APPROVED COMMS DUCT, SDR=17.6
- B = 160MM OUTER DIAMETER HDPE ESB APPROVED POWER DUCT, SDR=21
- C = 125MM OUTER DIAMETER HDPE ESB APPROVED ECC DUCT, SDR=17.6

SECTION B-B
SCALE: 1:20



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PROJECT

Scart Mountain Wind Farm
110 kV Grid Connection

CLIENT

Ireland
FuturaEnergy

CONSULTANTS

TOBIN
CONSULTING ENGINEERS

NOTES: -

- See General Notes

LEGEND: -

ISSUE/REVISION

P2	09.07.2025	Issued for Planning
P1	10.06.2024	Issued for Planning
I/R	DATE	DESCRIPTION

PROJECT NUMBER

05-854

SHEET TITLE

110kV Service/Culvert Undercrossing
Detail Drawing

SHEET NUMBER

05854-DR-210