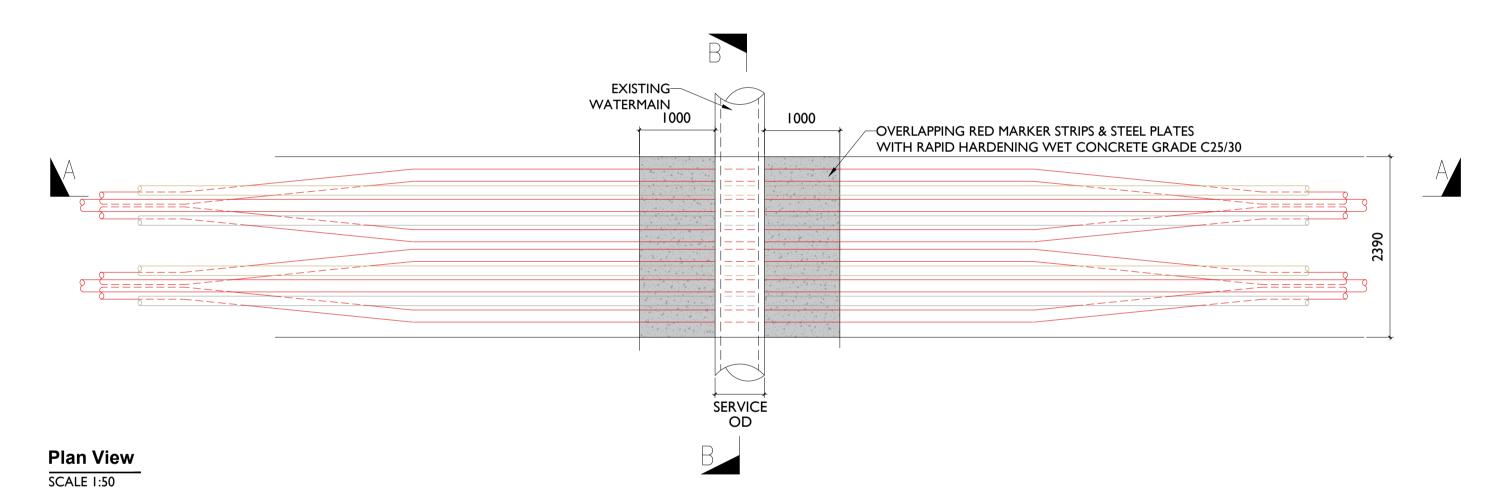


## Section A-A

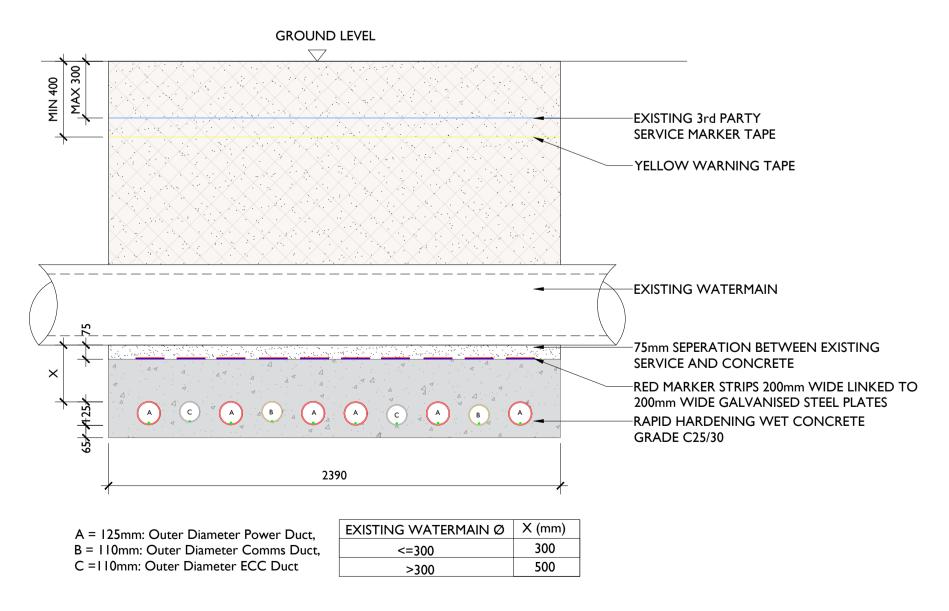
SCALE 1:50



- I. THIS DRAWING IS TO BE USED ONLY FOR THE PURPOSE OF ISSUE AND IS SUBJECT TO AMENDMENT.
- 2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT INFORMATION AND
- 3. DO NOT SCALE FROM THIS DRAWING, USE ONLY PRINTED DIMENSIONS.
- 4. ALL DIMENSIONS ARE IN MILLIMETRES. ALL CHAINAGES, LEVELS AND COORDINATES ARE IN METRES UNLESS DEFINED
- OTHERWISE. 5. NO EXCAVATION SHALL COMMENCE UNTIL THE CONTRACTOR HAS CONSULTED UP TO DATE SERVICES
- DRAWINGS AND CARRIED OUT AN ELECTROMAGNETIC LOCATOR (EML) SCAN.
- 6. HAND DIG ONLY WITHIN 500mm OF EXISTING SERVICES. 7. IF COMPACTING CBGM B COULD CAUSE DAMAGE TO THE WATERMAIN SERVICE BELOW, USE RAPID HARDENING
- CEMENT GRADE C25 / 30 FOLLOWING ENGINEERS PRIOR APPROVAL. 8. FOR STANDARD TRENCH CROSS SECTION DRAWINGS SEE 051021-DR-301, 051021-DR-302, 051021-DR-303
- 9. WHERE DEPTHS EXCEED 3000mm TO THE TOP OF THE DUCT THE CONTRACTOR SHALL CONSULT THE CABLE
- SYSTEM DESIGN ENGINEER FOR PHASE SPACING REQUIREMENTS. 10. BACKFILL AS PER GUIDELINES FOR THE OPENING, BACKFILLING AND REINSTATEMENT OF OPENINGS IN THE PUBLIC
- II. THE PROPOSED DESIGN IS SUBJECT TO ESB APPROVAL AND SHOULD NOT BE USED FOR CONSTRUCTION
- WHEN CROSSING OVER THE SERVICE 13. THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF ALL TEMPORARY WORKS REQUIRED.

12. ESB'S PREFERENCE IS TO CROSS UNDER ALL SERVICES WHERE IT IS NOT POSSIBLE TO MAINTAIN STANDARD COVER

- THE CONTRACTOR WILL APPOINT AN APPROVED TEMPORARY WORKS DESIGNER AND SUBMIT PROPOSED TEMPORARY WORKS DESIGNS TO THE PSDP.
- 14. AS PER WIS 4-08-02 & IGN 4-08-01 GRANULAR MATERIAL SHALL BE 14MM TO 5MM GARDED AGGREGATE OR 10MM
- SINGLE SIZED AGGREGATE. 15. IF ANY WATERMAINS ARE DAMAGED DURING CONSTRUCTION THEY WILL BE REPLACED IN FULL. CAMERA SCOPING WILL BE COMPLETED BEFORE AND AFTER THE WORKS.



SCALE 1:20



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**PROJECT** 

Shancloon 110kV Substation

CLIENT

RWE

CONSULTANTS

LEGEND: -

See notes in drawing window

125mm Ø HDPE POWER DUCT WITH 12mm DIAMTER PULL ROPE 110mm Ø HDPE COMMS DUCT WITH 12mm DIAMTER PULL ROPE 110mm Ø HDPE EARTH DUCT WITH 12mm DIAMTER PULL ROPE RED MARKER STRIP WITH STEEL YELLOW MARKER WARNING TAPE EXSITING SERVICES MARKER TAPE

— — — — — — A393 REINFORCEMENT MESH

ISSUE/REVISION

P00 09.07.25 Issued for Planning N1 22.05.24 Issued for Information DESCRIPTION I/R DATE

PROJECT NUMBER

05-1021

SHEET TITLE

Typical Double Circuit Watermain Under Crossing Detail

SHEET NUMBER

051021-DR-315