




Shancloon 110kV Substation



NOTES: -

- See notes in drawing window

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|  | 125mm Ø HDPE POWER DUCT WITH 12mm DIAMETER PULL ROPE |
|  | 110mm Ø HDPE COMMS DUCT WITH 12mm DIAMETER PULL ROPE |
|  | 110mm Ø HDPE EARTH DUCT WITH 12mm DIAMETER PULL ROPE |

RED MARKER STRIP WITH STEEL PLATES

YELLOW MARKER WARNING TAPE

EXISTING SERVICES MARKER TAPE

A393 REINFORCEMENT MESH

| ISSUE/REVISION | | |
|----------------|----------|------------------------|
| I/R | DATE | DESCRIPTION |
| P00 | 09.07.25 | Issued for Information |
| N1 | 20.05.24 | Issued for Information |

Typical Triple Circuit Service/Culvert Over Crossing Detail

051021-DR-311



- NOTES:**
1. 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 DOCUMENTATION.
 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 (EMI) SCAN.
 6. HAND DIG ONLY WITHIN 500mm OF EXISTING SERVICES.
 7. IF CONTRACTING CBGM B COULD CAUSE DAMAGE TO THE CULVERT / 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.
 10. BACKFILL AS PER GUIDELINES FOR THE OPENING, BACKFILLING AND REINSTATEMENT OF OPENINGS IN THE PIPE ROAD.
 11. THE PROPOSED DESIGN IS SUBJECT TO ESB APPROVAL AND SHOULD NOT BE USED FOR CONSTRUCTION.
 12. ESB'S PREFERENCE IS TO CROSS UNDER ALL SERVICES WHERE IT IS NOT POSSIBLE TO MAINTAIN STANDARD COVER WHEN CROSSING OVER THE SERVICE.
 13. THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF ALL TEMPORARY WORKS REQUIRED. THE CONTRACTOR WILL APPOINT AN APPROVED TEMPORARY WORKS DESIGNER AND SUBMIT PROPOSED TEMPORARY WORKS DESIGNS TO THE PSDP.

