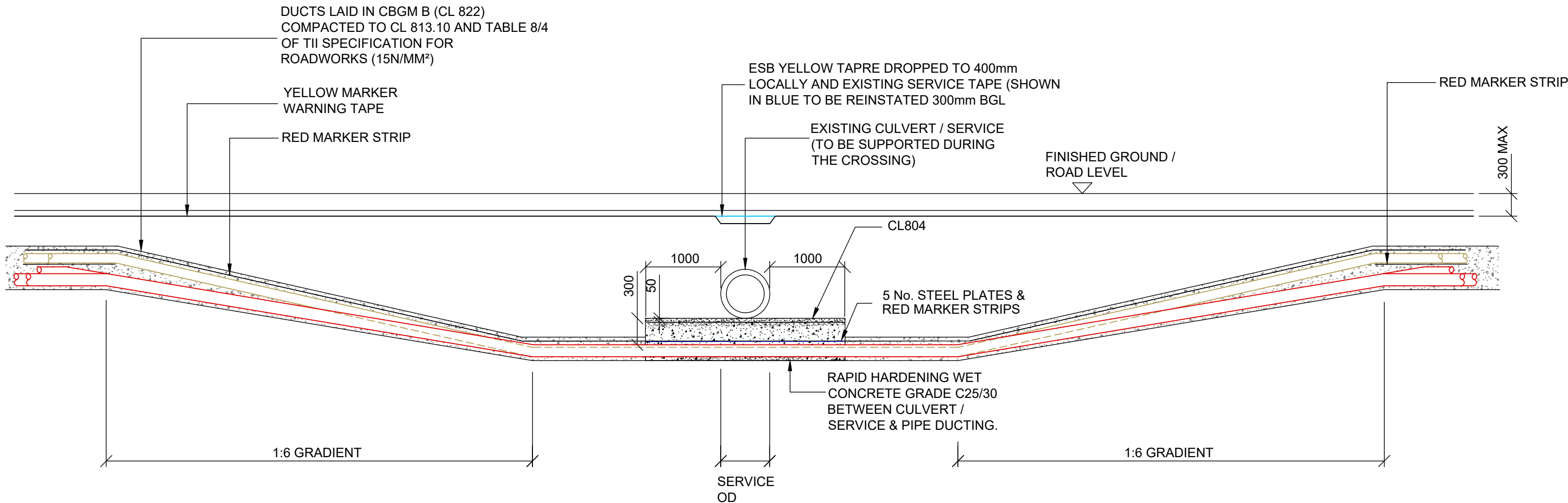
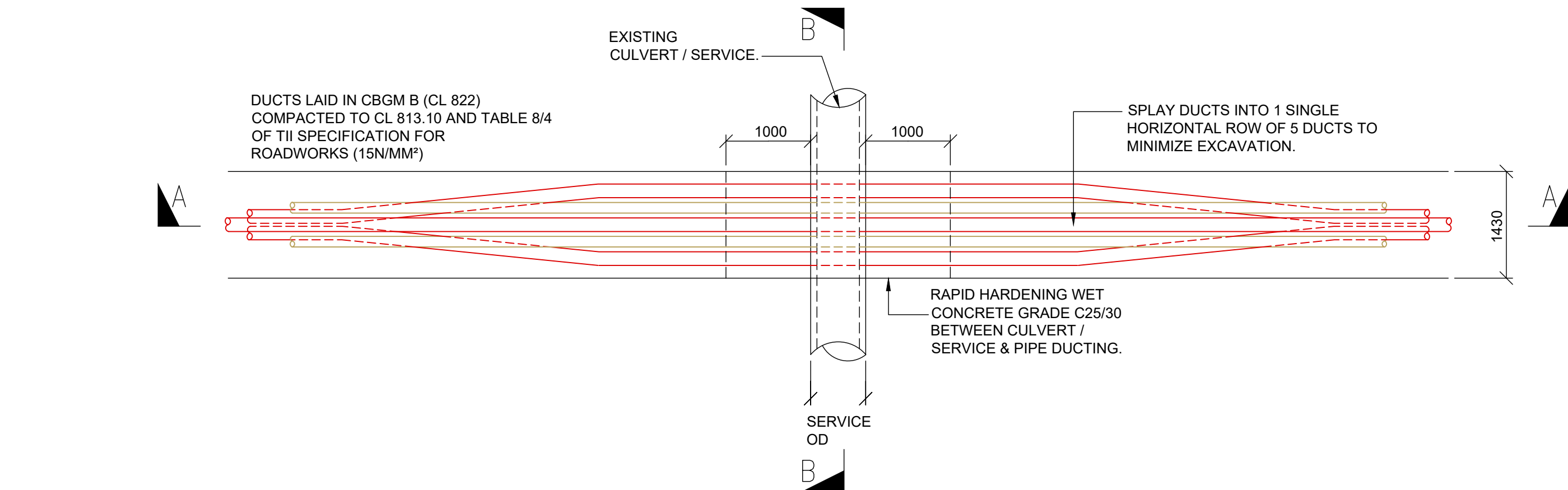


ISO A1 594mm x 841mm

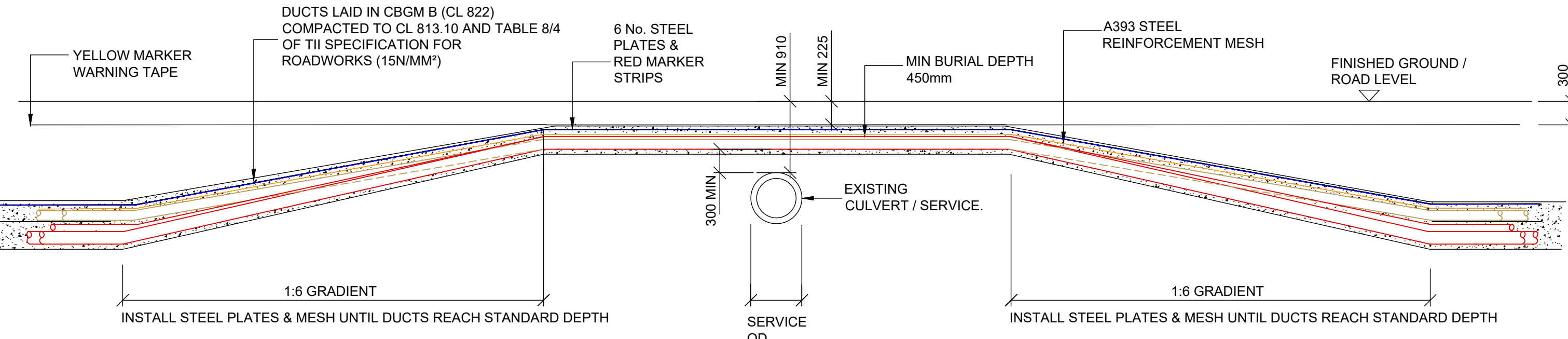
Project Management Initials: Designer: CH Checked: SK Approved: RG



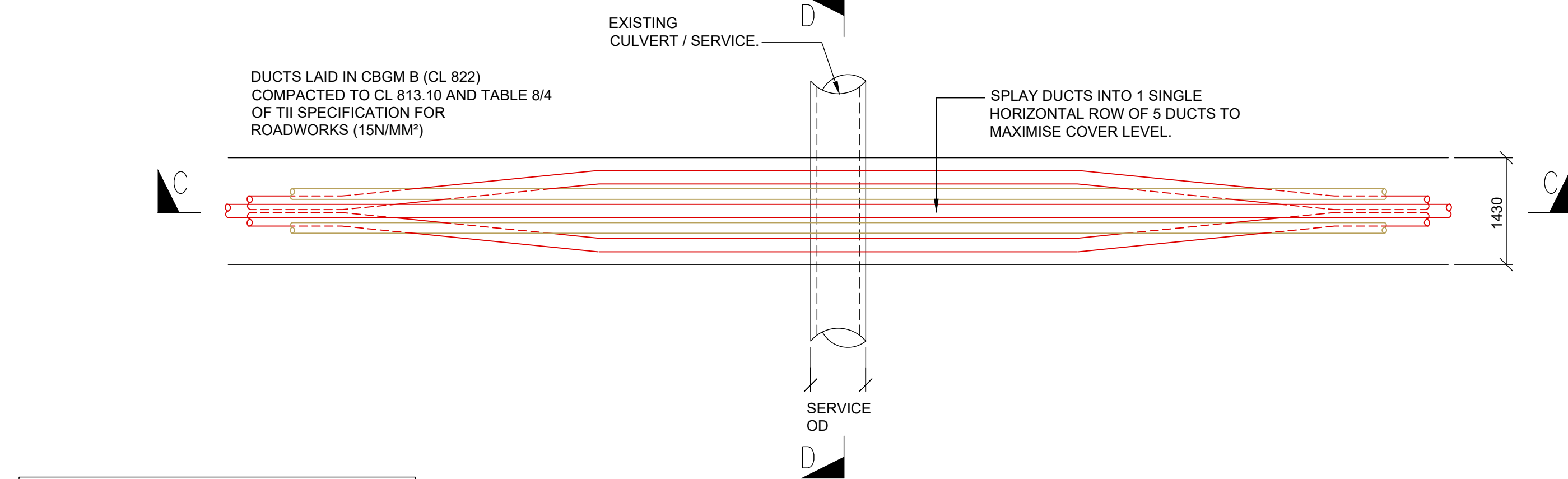
SECTION A-A
SCALE 1:50



PLAN VIEW
SCALE 1:50
K 5 H 9 F 7 C I F G 9 7 I @ 9 F H # SERVICE UNDERCROSSING



SECTION C-C
SCALE 1:50



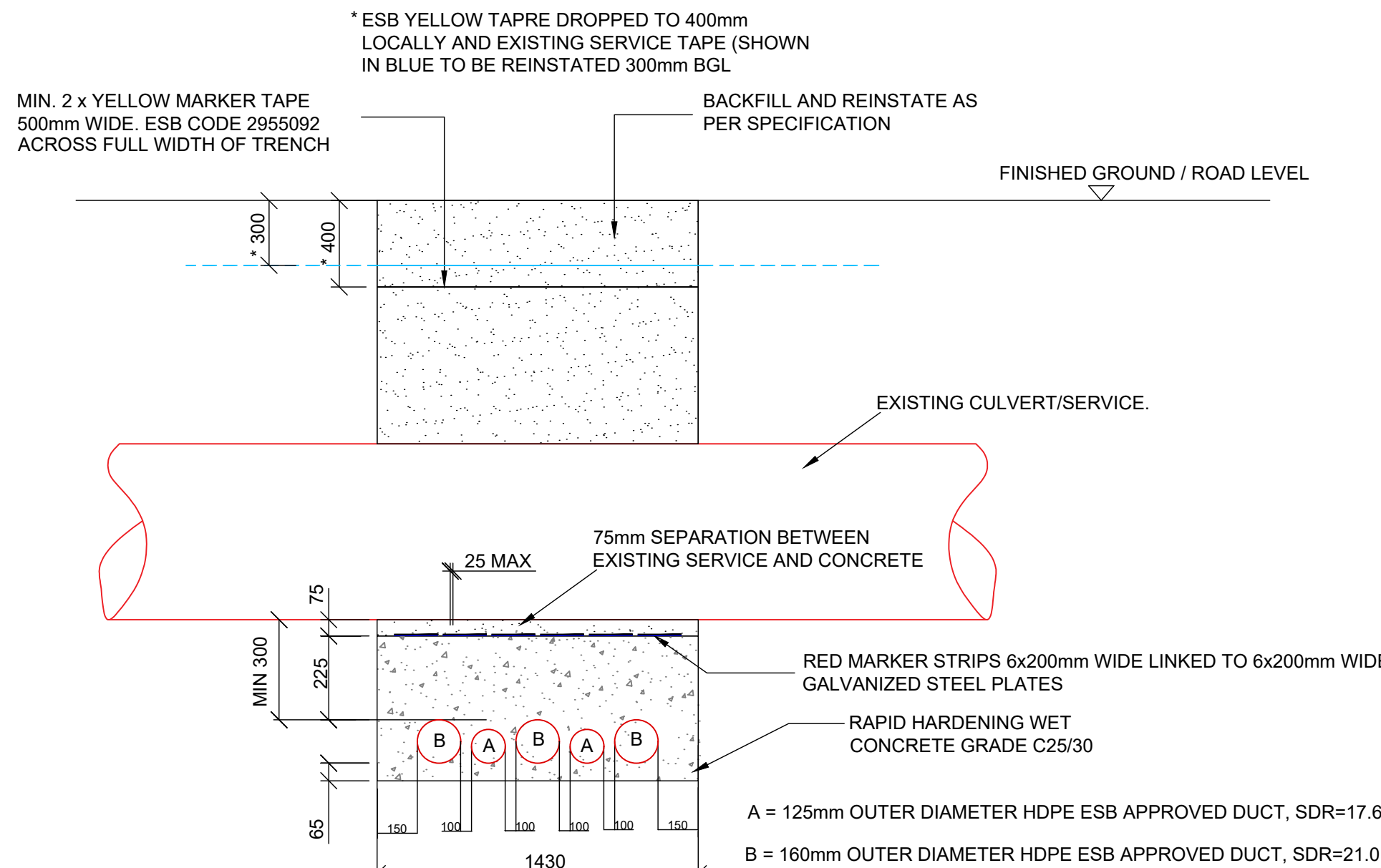
PLAN VIEW
SCALE 1:50
K 5 H 9 F 7 C I F G 9 7 I @ 9 F H # SERVICE OVERCROSSING

LEGEND

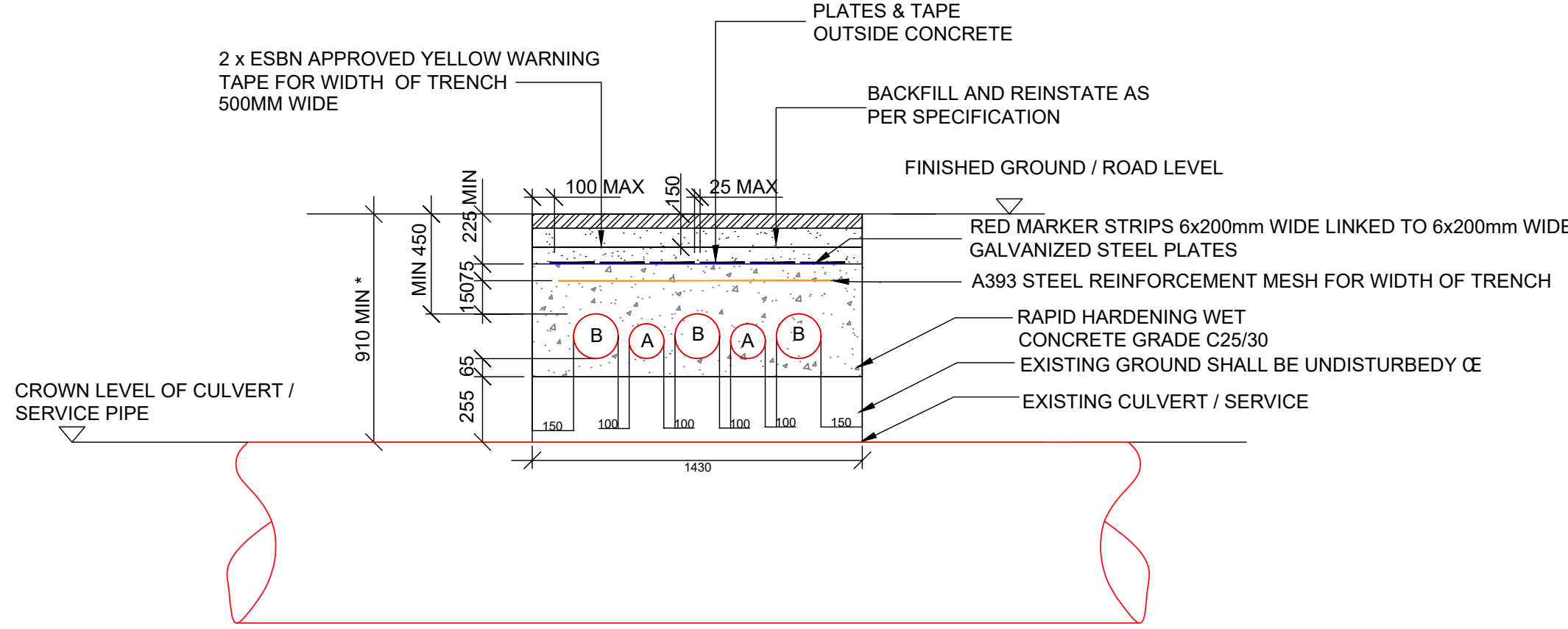
- 160mm Ø HDPE POWER DUCT WITH 12mm DIAMETER PULL ROPE
- 125mm Ø HDPE COMMUNICATION DUCT WITH 12mm DIAMETER PULL ROPE
- RED MARKER STRIP OR STEEL PLATES
- YELLOW MARKER WARNING TAPE
- A393 STEEL REINFORCEMENT MESH
- 6mm GALVANISED STEEL PLATE
- EXISTING SERVICE TAPE

GENERAL NOTES

1. This drawing is to be read in conjunction with all other relevant documentation.
2. Do not scale from this drawing use only printed dimensions.
3. All dimensions are in millimetres, all chainages, levels and co-ordinates are in metres unless defined otherwise.
4. This drawing is to be read in conjunction with the project Health & Safety file for any identified potential risks.
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 culvert / service below, use rapid hardening cement grade C25/30 following engineers prior approval.
8. For standard trench cross section drawings and minimum horizontal separation to existing services, see 05652-528 (TREFOIL) and 05652-530 (FLAT).
9. Where depths exceed 3000mm to the top of duct the contractor shall consult the cable system design engineer for phase spacing requirements.
10. For Watermain crossings, see 05652-534



SECTION B-B
SCALE: NTS



SECTION D-D
SCALE: NTS

* ALL EXISTING SERVICES WITH COVER LESS THAN MIN. DIMENSIONS ABOVE SHALL BE CROSSED BY UNDERCROSSING METHOD

A = 125mm OUTER DIAMETER HDPE ESB APPROVED DUCT, SDR=17.6
B = 160mm OUTER DIAMETER HDPE ESB APPROVED DUCT, SDR=21.0

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PROJECT

110kV Underground Cabling for Upperchurch Wind Farm Grid Connection

CLIENT

TOTAL WINDFARM SOLUTIONS

CONSULTANTS

NOTES: -

See General Notes

Watercourse culverts along the 110kV UGC:
See Culvert Crossing Drawings 05652 538 - 05652 543

LEGEND: -

ISSUE/REVISION		
02	05.09.19	Issued for Planning
01	25.06.19	Issued for Planning
00	06.03.19	Issued for Information
I/R	DATE	DESCRIPTION

PROJECT NUMBER

05-652

SHEET TITLE

Typical Trench Sections for
Crossing Existing Culverts/Services

SHEET NUMBER

05652-533