

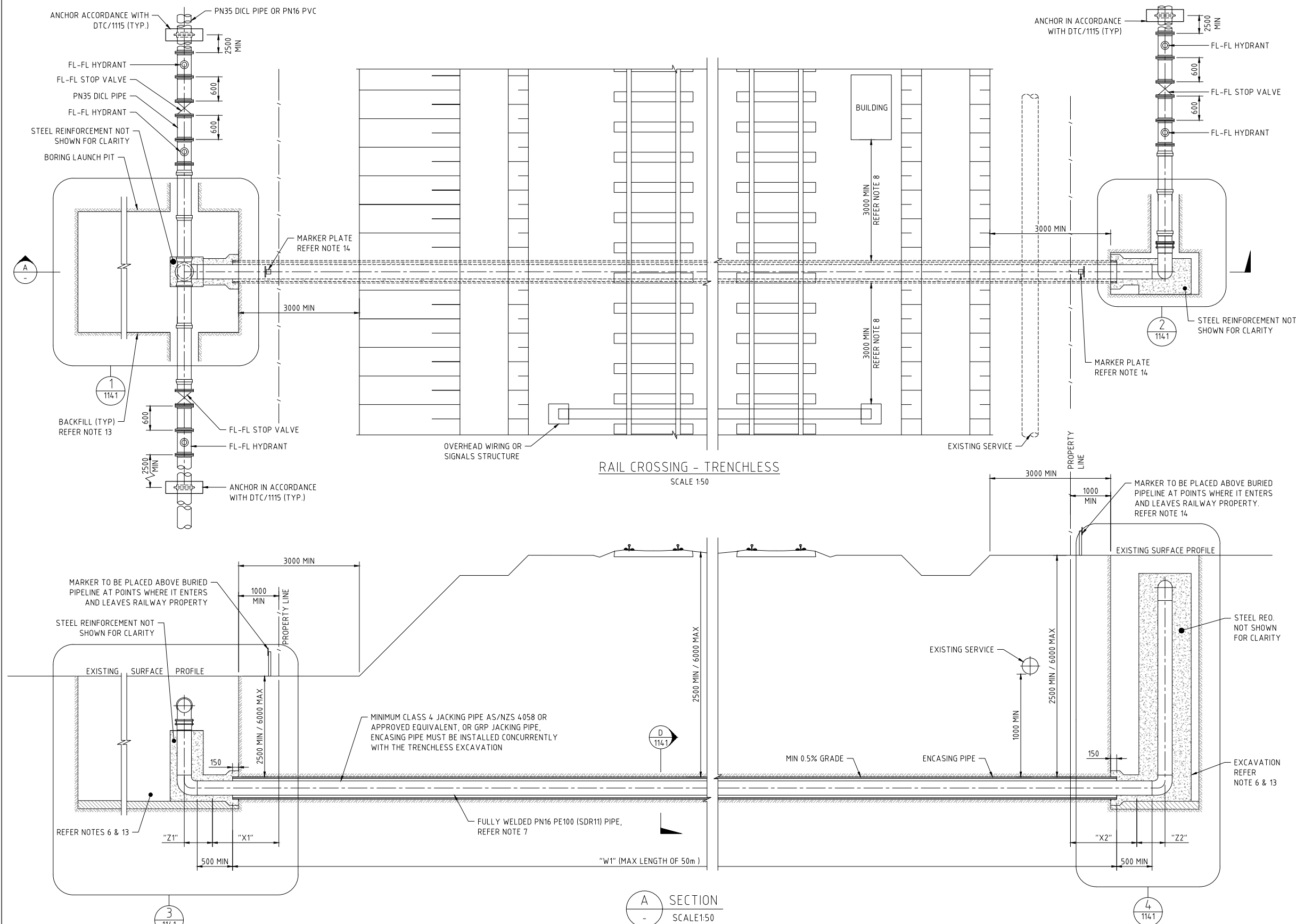
NOTES:

- THIS DRAWING MUST BE READ IN CONJUNCTION WITH DTC/1100.
- THRUST RESTRAINT PROVIDED BY CONCRETE ENCASEMENT. DESIGNED FOR MAXIMUM:
 - 120m HEAD OPERATING PRESSURE
 - 150m HEAD TEST PRESSURE
- SHOW DIMENSIONS "W1", "Z1", "Z2", "X1", "X2", "L", "H", "D" IN DESIGN AND WORK AS CONSTRUCTED DRAWINGS.
- MINIMUM COVER TO REINFORCEMENT MUST BE 70mm.
- DO NOT APPLY ANY THRUST LOADS FOR AT LEAST 14 DAYS AFTER POURING CONCRETE.
- EXCAVATIONS TO BE SUPPORTED TO ENSURE FOUNDATIONS OF ROADS AND STRUCTURES ARE NOT IMPACTED AND TO BE CONFIRMED BY A QUALIFIED GEOTECHNICAL ENGINEER.
- PE PIPE MUST BE BUTT WELDED OR ELECTROFUSION WELDED UNLESS NOTED OTHERWISE. ALL WELDS MUST BE INTERNALLY DE-BEADED.
- PIPE MUST BE LAID AT LEAST 3m CLEAR OF ALL RAILWAY STRUCTURES, CATTLE PITS, DRAINS, SIGNALING EQUIPMENT, OVERHEAD MASTS, POLES, BUILDINGS, POINTS AND CROSSINGS, BRIDGES AND CULVERTS.
- GROUT TO HAVE A MINIMUM COMPRESSIVE STRENGTH 0.3 MPa AND MAXIMUM 1.5 MPa AT 7 DAYS. TESTING TO BE IN ACCORDANCE WITH AS 1012.9:2014.
- EPDM MATERIAL TO BE WRAPPED AROUND PIPE 150mm INTO CONCRETE TO PROTECT PIPE AT CONCRETE INTERFACE.
- APPROVAL FROM RELEVANT RAIL AUTHORITY REQUIRED AS PART OF DESIGN APPROVAL PROCESS AND PRIOR TO CONSTRUCTION COMMENCEMENT. BOREHOLE INVESTIGATIONS AND SETTLEMENT ANALYSIS TO BE CONDUCTED ALONG THE LENGTH OF THE CROSSING.
- THIS DRAWING TO BE READ IN CONJUNCTION WITH DTC/1141.
- BACKFILL AND TESTING TO BE IN ACCORDANCE WITH SYDNEY WATER TECHNICAL SPECIFICATION - CIVIL.
- MARKER PLATE TO BE LOCATED WITHIN 200mm OF RAILWAY FENCE. BOTTOM OF MARKER PLATE TO BE 800mm ABOVE GROUND LEVEL. MARKER PLATE TO BE READ FROM INSIDE RAIL PROPERTY. POST TO BE 50x50 ALUMINIUM (3mm THICK) PLACED 300mm INTO CONCRETE FOOTING (300mm x 300mm x 400mm DEEP) THE MARKER PLATE MUST INCLUDE THE WORDS "SYDNEY WATER BURIED WATERMAIN IN EMERGENCY RING 132090." IN 25mm HIGH LETTERS TO AS1319.
- IF MAX LENGTH EXCEEDS 50m, DESIGNER TO PREPARE SITE-SPECIFIC DESIGN.
- TRENCHLESS SPECIALIST TO CONFIRM CLASS OF JACKING PIPE.
- DESIGNER TO COMPLETE EARTHING STUDY AS PART OF DESIGN.
- ADDITIONAL FITTINGS MAY BE REQUIRED FOR DISINFECTION AND OZONATION PURPOSES.
- HORIZONTAL CLEARANCE TO EXISTING SERVICES TO BE MIN. 600mm.

REFERENCE DRAWINGS:

DTC/1115 ANCHORAGE DETAILS DICL AND PVC WATER MAINS
≤DN300 STOP VALVES

A GEOTECHNICAL INVESTIGATION MUST BE UNDERTAKEN PRIOR TO UNDERTAKING THE WORKS TO DETERMINE SUB-SURFACE CONDITIONS INCLUDING GROUNDWATER AND TO CONFIRM THE DESIGN SUITABILITY OF THE PROPOSED TRENCHLESS INSTALLATION, THE INVESTIGATION MUST CONFIRM EXCAVATION PITS DO NOT IMPACT THE RAILWAY FOUNDATIONS



Sydney
WATER

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APPROVED

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ENGINEERING MODERNISATION MANAGER

ENGINEERING & TECHNICAL SUPPORT

B	GENERAL UPDATE	NS	31/07/24
A	ORIGINAL ISSUE	PJG	01/03/13
LETTER	DETAILS OF ISSUE / AMENDMENT		APP'D DATE

DEEMED TO COMPLY DRAWINGS

RAILWAY CROSSING - TRENCHLESS
PE WATER MAINS DN150 - DN300

SHEET 1 OF 2

DTC**1140**

ISSUE	DATE
B	31/07/24