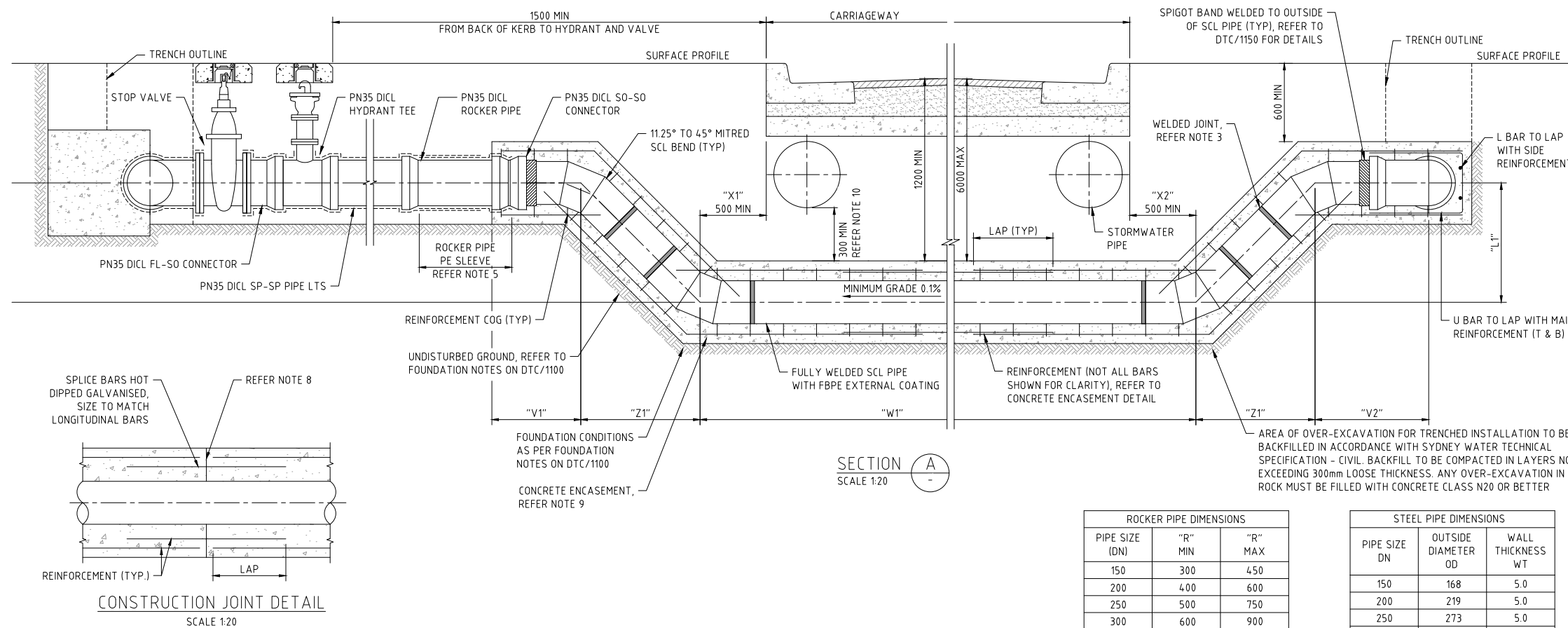
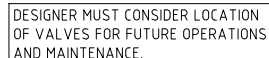


1. THIS DRAWING MUST BE READ IN CONJUNCTION WITH DTC/1100.
2. THRUST RESTRAINT PROVIDED BY CONCRETE ENCASEMENT. ULTIMATE LIMIT STATE BASED ON TEST PRESSURE OF 150m HEAD OF WATER. THIS DESIGN MAY ONLY BE USED WHERE DIMENSION "L1" IS LESS THAN 2500.
3. ALL STEEL PIPE JOINTS MUST BE WELDED. ALL JOINTS TO BE EITHER PLAIN ENDS, WITH WELDING COLLAR, BUTT WELDED OR SLIP-IN TYPE WELDED JOINTS. REFER TO DTC/1150 AND DTC/1151.
4. SHOW DIMENSIONS "W1", "Z1", "L1", "V1" AND "V2" AND IDENTIFY END TREATMENT FOR EACH SIDE OF CROSSING, INCLUDING DIRECTION (BEND, TEE, OR STRAIGHT) AND THE PRESENCE OF VALVES IN DESIGN AND WORK AS CONSTRUCTED DRAWINGS.
5. TAPE 700 LONG PE SLEEVING TO DICL ROCKER PIPES. SLEEVING TO EXTEND 150 INTO CONCRETE ENCASEMENT.
6. MINIMUM CLEAR COVER TO REINFORCEMENT MUST BE 70mm.
7. DO NOT APPLY ANY THRUST LOADS FOR AT LEAST 14 DAYS AFTER POURING CONCRETE.
8. FORM ALL CONSTRUCTION JOINTS. SCABBLE JOINT TO EXPOSE AGGREGATE TO 5mm DEPTH AND WIRE BRUSH CLEAN PRIOR TO FORMING. SOAK EXISTING CONCRETE SURFACE WITH WATER AND REMOVE ALL EXCESS WATER IMMEDIATELY PRIOR TO PLACING CONCRETE.
9. MAXIMUM OF 1 CONSTRUCTION JOINT ALLOWED IN CONCRETE ENCASEMENT, REFER TO CONSTRUCTION JOINT DETAIL.
10. GREATER CLEARANCES MAY BE REQUIRED. THE CLEARANCE REQUIREMENT FOR ALL SERVICES AND ADDITIONAL CONTROLS FOR TEMPORARY SUPPORT OF OTHER EXPOSED UTILITIES MUST BE DETERMINED IN CONSULTATION WITH THE RELEVANT UTILITY AUTHORITY AND WITH SITE SPECIFIC SAFETY CONSIDERATIONS.
11. DESIGNER TO CONSULT WITH THE RELEVANT ROAD AUTHORITY AND COMPLY WITH THE ROAD AUTHORITY'S REQUIREMENTS, INCLUDING ADDITIONAL CONTROLS FOR TEMPORARY SITE WORKS.
12. ADDITIONAL FITTINGS MAY BE REQUIRED FOR DISINFECTION AND OZONATION PURPOSES.

DTC/1100	WATER MAIN CONSTRUCTION NOTES
DTC/1113	THRUST BLOCK DETAILS DCL AND PVC WATER MAINS ≤DN300 TEES
DTC/1150	STEEL WATER MAINS DN150 TO DN1200 STEEL PIPE JOINTING
DTC/1151	STEEL WATER MAINS DN150 TO DN1200 STEEL PIPE JOINTING WELDED - PLAIN ENDS

REFER NOTE 2



STEEL PIPE DIMENSIONS		
PIPE SIZE DN	OUTSIDE DIAMETER OD	WALL THICKNESS WT
150	168	5.0
200	219	5.0
250	273	5.0
300	324	5.0