



SCALE 1:20



REFER NOTE 3

ROCKER PIPE DIMENSIONS		
PIPE SIZE (DN)	"R" MIN	"R" MAX
150	300	450
200	400	600
250	500	750
300	600	900

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| 1. | ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.   | 11. | STRENGTH GRADE = 500 MPa, DUCTILITY CLASS – N.   |
| 2. | CROSSING TYPE 2 NOT SUITABLE FOR INSTALLATION IN AGGRESSIVE SOILS.  | 10. | MINIMUM CLEAR COVER TO REINFORCEMENT SHALL BE 70mm.  |
| 3. | 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 AND THE MINIMUM LENGTH FOR DIMENSIONS "V1" AND "X1" ARE ACHIEVED AS SPECIFIED IN THE CONCRETE ENCASEMENT REINFORCEMENT DETAILS. | 11. | DO NOT APPLY ANY THRUST LOADS FOR AT LEAST 28 DAYS AFTER POURING CONCRETE.   |
| 4. | BORED OR JACKED ENCASING PIPE METHOD:<br>– REINFORCED CONCRETE JACKING PIPE (CLASS 4) BUTT JOINTED WITH STEEL JOINT BANDS<br>– STEEL JACKING PIPE   | 12. | WHEN CROSSING UNDER A WATER MAIN $\leq$ DN375 THE MINIMUM VERTICAL CLEARANCE SHALL BE 150mm. WHEN CROSSING UNDER A WATER MAIN $>$ DN375 THE MINIMUM VERTICAL CLEARANCE SHALL BE 500mm. |
| 5. | STEEL PIPE JOINTS TO BE EITHER PLAIN ENDS WITH WELDING COLLAR, BUTT WELDED OR SLIP-IN TYPE WELDED JOINTS.   | 13. | GROUTING MIX TO BE 1:1 (SAND : CEMENT) WITH A WATER : CEMENT RATIO 1: 0.67 BY WEIGHT USING FINE WELL ROUNDED SAND. PLASTICISERS MAY BE USED.   |
| 6. | SHOW DIMENSIONS "W1", "X1", "Z1", "L1", "V1" IN DESIGN AND WORK AS CONSTRUCTED DRAWINGS.  | 14. | THE DESIGNER SHALL LOCATE ALL EXISTING AND PROPOSED SERVICES AND RECORD DETAILS ON THE DESIGN DRAWINGS.  |
| 7. | TAPE 700 LONG PE SLEEVING TO FITTING 150 FROM THE SOCKET FACE TO OVERLAP PE SLEEVED DCLL PIPE.  | 15. | THE CONSTRUCTOR SHALL LOCATE AND CONFIRM THE LOCATION AND LEVEL OF ALL EXISTING SERVICES PRIOR TO COMMENCING CONSTRUCTION OF THE CROSSINGS.  |
| 8. | CONCRETE TO BE NORMAL CLASS N25 TO PS-357_SW. SLUMP SHALL BE 80mm – 120mm. MAXIMUM NOMINAL AGGREGATE SIZE SHALL BE 20mm.  |     |  |