

## NOTES:

- FOR GENERAL NOTES, LEGEND AND ABBREVIATIONS REFER TO DRG Nos. SD 1–1-101.
- ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE CURRENT Q.C.S. UNLESS OTHERWISE AGREED WITH THE ENGINEER.
- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
- ALL JOINTS BETWEEN PIPES AND CONCRETE SHALL BE WATERTIGHT.
- ALL CONCRETE COVER FOR REINFORCEMENT TO BE 75mm MIN.
- SEE DRAWING No. SD 8-4-103 FOR TANKING DETAILS. BACKDROP PIPES SHALL BE VITRIFIED CLAY OR GRP SPIGOT ANI SOCKET JOINT UNLESS OTHERWISE STATED AND SHALL COMPLY WITH THE REQUIREMENTS STATED IN THE SPECIFICATIONS.
- WHERE THERE IS A DIFFERENCE IN LEVEL BETWEEN THE INVERT LEVEL OF INCOMING AND OUTGOING PIPES THE FOLLOWING RULES APPLY:
- a). WHERE THE DIFFERENCE IN LEVEL IS LESS THAN 600mm THE PIPE CONNECTION MAY BE DIRECT THROUGH THE MANHOLE OR GRADIENT ADJUSTED TO SUIT.
- b). WHERE THE DIFFERENCE IN LEVEL IS GREATER THAN 600mm AND LESS THAN 1200mm A RAMP BACKDROP SHALL BE CONSTRUCTED.
- OL CONSTRUCTION C) WHERE INCHE DIFFERENCE IN LEVEL IS 1200mm OR MORE A VERTICAL BACKDROP SHALL BE CONSTRUCTED. WHERE INCOMING AND OUTCOMNO PIPE DIAMETERS DIFFER A TAPERED CHANNEL IN THE BENCHING SHALL BE PROVIDED.
- WHERE INCOMING PIPE CONNECTING TO BACKDROP IS 150mm DIA A 150/200mm TAPER SHALL BE PROVIDED. IF INCOMING PIPE IS GREATER THAN 200mm DIA THE BACKDROP SHALL BE OF THE SAME DIAMETER.
- ANY EXCESS EXCAVATION BELOW BACKDROP TO BE FILLED WITH CONCRETE GRADE SRC 20.
- 2. 16 DIAMETER REINFORCEMENT BARS, 300mm LONG, EMBEDDED 100mm INTO PRECAST CONCRETE MANHOLE @300 CENTERS VERTICALLY, BOTH SIDES OF BACKDROP RESIN ANCHOR.
- . PIPE OPENINGS WILL NOT BE PERMITTED THROUGH PRECAST MANHOLE JOINT. A MINIMUM DISTANCE FROM TOP OR BOTTOM OF ANY OPENING SHALL BE 150 PLUS JOINT DEPTH.
- . 50% OF AREA OF DISPLACED STEEL REPLACED IN EACH ELEVATION IN BOTH FACES, BAR LENGTH = 90xDIA MIN.
- STRUCTURAL DESIGN OF PRECAST MANHOLES TO BE IN ACCORDANCE WITH BS 5400 AND DESIGN CRITERIA SET FORTH IN THE LRDP DESIGN MANAGEMENT MANUAL, APPENDIX H.
- MIN STEEL TO BE .0035x1000x'T' IN EACH DIRECTION.



SD 8-4-209

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