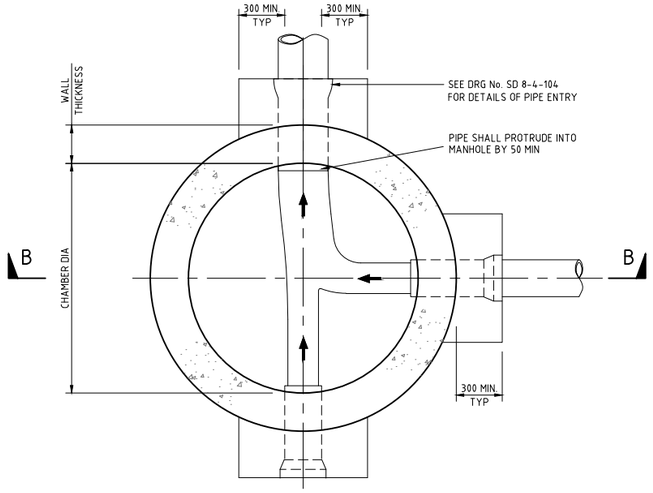
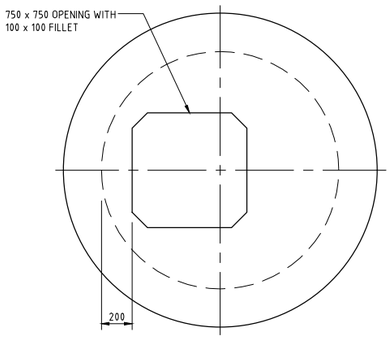
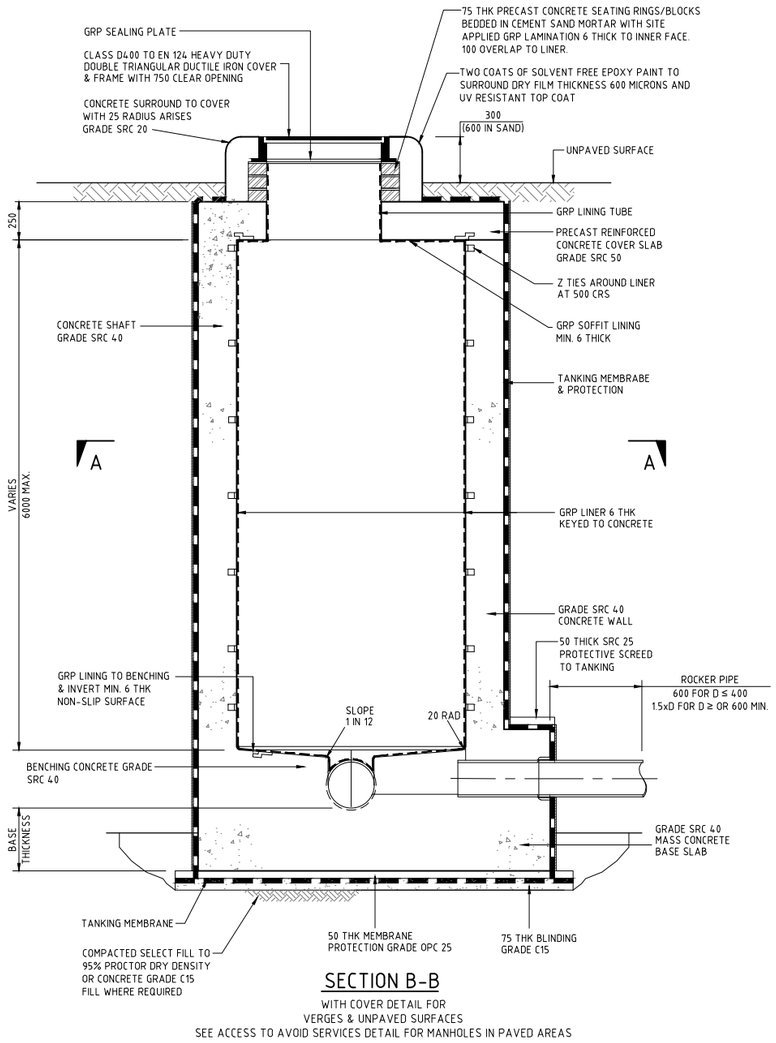


SECTION A-A

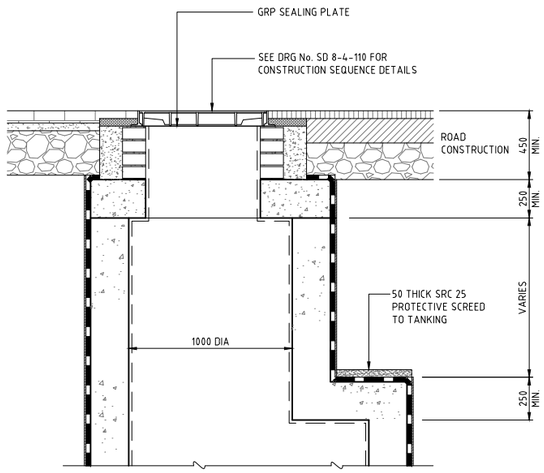


PLAN AT COVER LEVEL

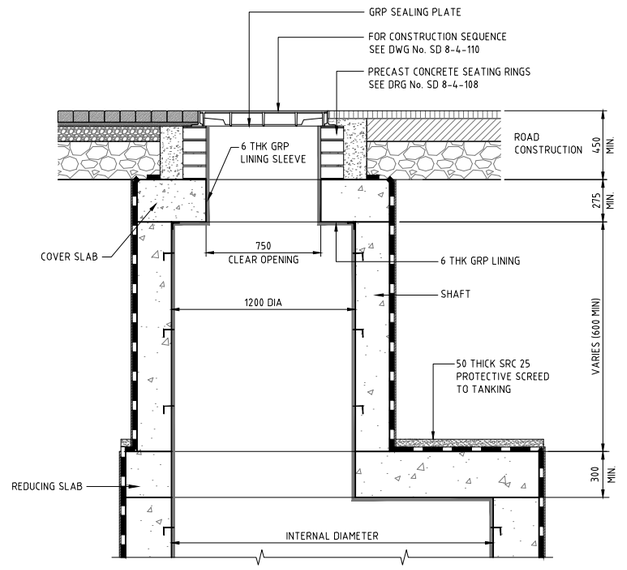


SECTION B-B

WITH COVER DETAIL FOR
VERGES & UNPAVED SURFACES
SEE ACCESS TO AVOID SERVICES DETAIL FOR MANHOLES IN PAVED AREAS



ACCESS SHAFT TO AVOID SERVICES



MANHOLE
WITH REDUCING SLAB

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
2. ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE CURRENT Q.C.S. UNLESS OTHERWISE AGREED WITH THE ENGINEER.
3. SEE DRAWING No. SD 8-4-106 FOR STANDARD NOTES AND DETAILS.
4. WHERE THERE IS A DISCREPANCY BETWEEN THE REQUIREMENTS IN THE SPECIFICATION AND THOSE SHOWN ON THIS DRAWING THE SPECIFICATION SHALL BE FOLLOWED UNLESS DIRECTED OTHERWISE BY THE ENGINEER.
5. PIPES SHALL BE VITRIFIED CLAY (VC) WITH SPIGOT AND SOCKET JOINTS UNLESS OTHERWISE STATED AND SHALL COMPLY WITH BS EN295. MINIMUM PIPE STRENGTH TO COMPLY WITH THE REQUIREMENTS STATED IN THE SPECIFICATIONS.
6. VARIATION TO STANDARD DETAILS ARE PERMITTED TO MEET SITE SPECIFIC REQUIREMENTS.
7. SEE DRAWING No.SD 8-4-103 FOR TANKING DETAILS.
8. ALL JOINTS BETWEEN SECTIONS OF GRP LINERS SHALL BE LAMINATED OVER WITH 100mm WIDE RESIN RICH GLASS TAPE OR AN APPROVED INSITU BANDAGE JOINT TO THE OUTSIDE OF THE GRP LINER PRIOR TO CONCRETING.
9. ALL JOINTS BETWEEN PIPES, FIXTURES AND GRP LINERS SHALL BE SEALED.
10. ALL JOINTS BETWEEN PIPES AND CONCRETE SHALL BE WATERTIGHT.
11. ALL INCOMING PIPES SHALL BE LAID SOFFIT TO SOFFIT WITH THE OUTGOING PIPE UNLESS A RAMP/BACKDROP IS CONSTRUCTED.
12. STAINLESS STEEL SAFETY CHAIN AND TOE HOLES SHALL BE CONSIDERED FOR PIPES GREATER THAN 600mm DIA.
13. SEE DRAWING No. SD 8-4-203 AND SD 8-4-204 FOR ADDITIONAL INFORMATION.
14. WALL AND BASE THICKNESS SHALL BE DESIGNED TO RESIST FLOATATION AND SUIT SITE CONDITION.
15. SEE DRG No. SD 6-1-201 TO SD 6-1-205 FOR CONSTRUCTION IN EXISTING PAVEMENT.
16. THERE SHALL BE A MINIMUM OF 1 AND MAXIMUM OF 4 PRECAST CONCRETE SEATING RINGS MAY BE INSTALLED SUBJECT TO THE APPROVAL OF THE ENGINEER.
17. REFER TO DRG No. SD 8-4-204 FOR MANHOLE DIMENSION SCHEDULE AND COVER SIZE.
18. MANHOLES IN CARRIAGEWAY TO BE BACKFILLED TO THE UNDERSIDE OF THE SUB BASE, FROM THE EXCAVATED SURFACE WITH 5MPA FLOWABLE FILL. AT TRENCH OPENINGS, ROUGH SHUTTERING SHALL BE PROVIDED TO GIVE A MINIMUM THICKNESS OF 300 AROUND THE MANHOLE. WHERE FLOWABLE FILL IS USED FOR BACKFILL, TANKING MEMBRANE TO WALLS IS REQUIRED ONLY TO 300 ABOVE THE HIGHEST PIPE CROWN LEVEL. POLYTHENE SHEETING SHALL BE USED TO PREVENT THE FLOWABLE FILL ENTERING THE GRANULAR BED AND SURROUND. TANKING MEMBRANE IS NOT REQUIRED FOR PRC MANHOLES.

Rev.	Date	Revision Details	Appd.
5	OCT 19	ISSUED FOR USE	
4	APR 19	ISSUED FOR USE	
3	01 MAR 19	UPDATED ISSUE	
2	12JAN16	ISSUED FOR USE	
1	23NOV15	ISSUED FOR USE	
0	15SEP13	ISSUED FOR USE	

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QCS Section:
Section 8 - Drainage Works
Part 4 - Pipeline Installation

Drawing Title:
FOUL SEWER TYPICAL CAST IN-SITU MANHOLE DETAILS

Approved:	Sheet No: 1 OF 1
Date: OCT 2019	Scale: AS SHOWN
Drawing Number: SD 8-4-201	Revision: 5