

THESE DETAILS REPRESENT A MINIMUM REQUIREMENT AND MAY BE VARIED, SUBJECT TO APPROVAL, TO SUIT PROJECT REQUIREMENTS. THEY ARE EXPECTED TO BE INCORPORATED AS TYPICAL DETAILS WHICH SHALL BE CHECKED AND APPROVED AS PART OF THE PROJECT DRAWING SET.

- 1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED
- 2. ALL CONCRETE TO BE CLASS B UNLESS OTHERWISE STATED
- 3. ALL EXTERNAL FACES OF CONCRETE BELOW GROUND TO
- BE TANKED 4. ALL INTERNAL FACES OF CONCRETE TO BE COATED WITH
- EPOXY COATING AS SPECIFIED.
 5. UNLESS OTHERWISE STATED ALL INLET AND OUTLET PIPES
- OF MANHOLES SHALL BE LAID SOFFIT TO SOFFIT.

 6. ALL COVERS IN OPEN AREA TO BE PROVIDED WITH 1No.
- GRAB BAR.
- 7. MANHOLES SHALL BE PROVIDED WITH REINFORCED CONCRETE RINGS (2Nos. AS MINIMUM) . THE LOWER RING SHALL BE 250mm HEIGHT AND THE UPPER RING TO VARY ACCORDING TO FINAL GROUND LEVEL.
- 8. MANHOLES TO BE PROVIDED WITH SAND TRAP 500mm
- THE MANHOLES AND CHAMBERS ARE DESIGNED USING FULL GROUND WATER LEVEL CONDITION WITH 1.1 FACTOR OF SAFETY FOR FLOATATION AND BEARING PRESSURE NOT EXCEEDING 200kpa AT FORMATION LEVEL.
- 10.DEWATERING OPERATIONS SHALL BE PROVIDED DURING CONSTRUCTION AND MAY ONLY BE TERMINATED AFTER ROOF SLAB HAS BEEN INSTALLED.
- 11. ALL STRUCTURAL DETAILS TO BE VERIFIED BY DESIGNERS / CONSULTANTS.

LEGEND

- 4 REINFORCED CONCRETE
- SOIL COMPACTED TO 95% MDD
- PLAIN CONCRETE
- FGL FINAL GROUND LEVEL
- FL FINAL ASPHALT / INTERLOCKED TILE LEVEL
- DIA
- CL COVER LEVEL
 - INVERT LEVEL OF OUTLET PIPE
- GENERAL ARRANGEMENT

REFERENCE DRAWINGS AND DOCUMENTS

STANDARD DRAWING - TANKING DETAILS STANDARD DRAWING - CONSTRUCTION AND MOVEMENT - 1001

STANDARD DRAWING - MISCELLANEOUS DETAILS FOR MANHOLES - 207

- 1000 STANDARD DRAWING - REINFORCEMENT DETAILS

STANDARD DRAWING - STORM WATER MANHOLE FRAME -213 AND COVER DETAILS

APP'D DATE

REVISIONS

STANDARD DRAWINGS STORM WATER WORKS

DRAWING TITLE

STANDARD DRAWING G.A. OF DEEP STORM WATER MANHOLE ON PIPELINES 600 - 1400mm DIA.

DRAWN	-	SCALE	1 : 50
CHECKED	-	DATE	-
APPROVED	-	SIZE	A1
PROJECT No.	-	DWG. No.	203