

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

- 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.
- 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
- 6. ALL COVERS IN OPEN AREA TO BE PROVIDED WITH 1No.
- 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 DEEP SUMP.
- 9. 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
- 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 DIAMETER

CL COVER LEVEL

INVERT LEVEL OF OUTLET PIPE

GENERAL ARRANGEMENT

REFERENCE DRAWINGS AND DOCUMENTS

STANDARD DRAWING - TANKING DETAILS STANDARD DRAWING - CONSTRUCTION AND MOVEMENT

STANDARD DRAWING - MISCELLANEOUS DETAILS

FOR MANHOLES STANDARD DRAWING - REINFORCEMENT DETAILS (SERIES)

STANDARD DRAWING - STORM WATER MANHOLE FRAME AND COVER DETAILS

lo.	REVISIONS	APP'D	DATE

CLIENT

STANDARD DRAWINGS STORM WATER WORKS

DRAWING TITLE

STANDARD DRAWING G.A. OF DEEP STORM WATER MANHOLE ON PIPELINES 1500 - 3000mm DIA.

DRAWN	-	SCALE	1 : 100	
CHECKED	-	DATE	-	
APPROVED	-	SIZE	A1	
PROJECT No.	-	DWG. No.	205	