



NOTES:

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.

- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
- ALL CONCRETE TO BE CLASS B UNLESS OTHERWISE STATED.
- ALL EXTERNAL FACES OF CONCRETE BELOW GROUND TO BE TANKED.
- ALL INTERNAL FACES OF CONCRETE TO BE COATED WITH EPOXY COATING AS SPECIFIED.
- UNLESS OTHERWISE STATED ALL INLET AND OUTLET PIPES OF MANHOLES SHALL BE LAID SOFFIT TO SOFFIT.
- ALL COVERS IN OPEN AREA TO BE PROVIDED WITH 1No. GRAB BAR.
- 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.
- MANHOLES TO BE PROVIDED WITH SAND TRAP 500mm DEEP SUMP.
- 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.
- DEWATERING OPERATIONS SHALL BE PROVIDED DURING CONSTRUCTION AND MAY ONLY BE TERMINATED AFTER ROOF SLAB HAS BEEN INSTALLED.
- ALL STRUCTURAL DETAILS TO BE VERIFIED BY DESIGNERS / CONSULTANTS.

LEGEND

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

REFERENCE DRAWINGS AND DOCUMENTS			
STANDARD DRAWING - TANKING DETAILS	-	801	
STANDARD DRAWING - CONSTRUCTION AND MOVEMENT JOINT	-	1001	
STANDARD DRAWING - MISCELLANEOUS DETAILS FOR MANHOLES	-	207	
STANDARD DRAWING - REINFORCEMENT DETAILS	-	1000	
STANDARD DRAWING - STORM WATER MANHOLE FRAME AND COVER DETAILS	-	213	

No.	REVISIONS	APP'D	DATE
CLIENT			
TITLE			
STANDARD DRAWINGS STORM WATER WORKS			
DRAWING TITLE			
STANDARD DRAWING G.A. OF SHALLOW STORM WATER MANHOLE ON PIPELINES 600 - 1400mm DIA.			
DRAWN	-	SCALE	1 : 50
CHECKED	-	DATE	-
APPROVED	-	SIZE	A1
PROJECT No.	-	DWG. No.	202