









Technical drawing of a mechanical part, likely a flange or a pipe fitting, showing a cross-section. The drawing includes the following dimensions and features:

- Central Hole:** A large circular hole with a diameter of 300.
- Flange Thickness:** The thickness of the flange is 300.
- Outer Diameter:** The total outer diameter of the flange is 600.
- Section Line:** A dashed line indicates the section line, labeled 'A' at the top and 'B' at the bottom.
- Material:**

SECTION C-C

- 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.
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 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 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.
 12. FOR SHALLOW MANHOLES (DEPTH LESS THAN 2.0m) MANHOLE SHAFT WALL THICKNESS CAN BE REDUCED TO 200mm.

LEGEND

	REINFORCED CONCRETE
	SOIL COMPACTED TO 95% MDD
	PLAIN CONCRETE
	WEARING COURSE
	BASE COURSE
	SUBGRADE
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	1001
STANDARD DRAWING - CONSTRUCTION AND MOVEMENT JOINT	207
STANDARD DRAWING - MISCELLANEOUS DETAILS FOR MANHOLES	1000 (SERIES)
STANDARD DRAWING - REINFORCEMENT DETAILS	213
STANDARD DRAWING - STORM WATER MANHOLE FRAME AND COVER DETAILS	

No.	REVISIONS	APP'D	DATE
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CLIENT	

TITLE	STANDARD DRAWINGS STORM WATER WORKS
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DRAWING TITLE

STANDARD DRAWING G.A.
OF STORM WATER
MANHOLE ON PIPELINES
300 - 500mm DIA.

DRAWN	-	SCALE	1:50 & 1:20
CHECKED	-	DATE	-
APPROVED	-	SIZE	A1
PROJECT No.	-	DWG. No.	201