

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. 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.

 6. MANHOLES TO BE PROVIDED WITH SAND TRAP 500mm
- DEEP SUMP.
 7. ALL COVERS IN OPEN AREA TO BE PROVIDED WITH 1
- No. GRAB BAR.
- 8. 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.
- 9. DEWATERING OPERATIONS SHALL BE PROVIDED DURING CONSTRUCTION AND MAY ONLY BE TERMINATED AFTER ROOF SLAB HAS BEEN INSTALLED.

LEGEND

REINFORCED CONCRETE

SOIL COMPACTED TO 95% MDD

PLAIN CONCRETE

FINAL GROUND LEVEL

FINAL ASPHALT / INTERLOCKED TILE LEVEL FL

DIA DIAMETER

REFERENCE DRAWINGS AND DOCUMENTS

STANDARD DRAWING - TANKING DETAILS
STANDARD DRAWING - MISCELLANEOUS DETAILS

FOR MANHOLES STANDARD DRAWING - REINFORCEMENT DETAILS

STANDARD DRAWING - STORM WATER MANHOLE FRAME

AND COVER DETAILS
STANDARD DRAWING - G.A. OF STORM WATER MANHOLE - 201

ON PIPE LINES FOR MANHOLES

TO 205

REVISIONS APP'D DATE

CLIENT

STANDARD DRAWINGS STORM WATER WORKS

DRAWING TITLE

STANDARD DRAWING STORM WATER **OUTFALL MANHOLE GENERAL ARRANGEMENT**

DRAWN	-	SCALE	1:20
CHECKED	-	DATE	-
APPROVED	-	SIZE	A1
PROJECT No.	-	DWG. No.	703