



- 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 MILLIMETERS UNLESS NOTED OTHERWISE.
 - MINIMUM CONCRETE COVER TO REINFORCEMENT TO BE AS FOLLOWS :
 - BASE SLAB AND WALL (EXTERNAL) = 75mm
 - BASE SLAB AND WALL (INTERNAL) = 50mm
 - ROOF SLAB = 50mm
 - ALL REINFORCEMENT SHALL CONFORM TO ASTM A615.
 - ALL LAPS SHALL BE IN ACCORDANCE WITH ACI 318.
 - REINFORCEMENT TO BE DISPLACED ON SITE TO AVOID SMALL DIAMETER PIPEWORK.
 - THE MANHOLES ARE DESIGNED USING FULL GROUND WATER LEVEL CONDITION WITH 1.1 FACTOR OF SAFETY FOR FLOATATION.
 - FOUNDATION DESIGN IS BASED ON ALLOWABLE BEARING PRESSURE OF 200 kN/m² AND SOIL SUBGRADE MODULUS OF 8000 kN/m².
 - DEWATERING OPERATIONS SHALL BE PROVIDED DURING CONSTRUCTION AND MAY ONLY BE TERMINATED AFTER ROOF SLAB HAS BEEN CASTED.
 - ALL BELOW GROUND CONCRETE TO BE TANKED REFER . TO STANDARD DRAWING No. 801.
 - ALL REINFORCEMENT TO BE EPOXY COATED.

LEGEND:

--- BOTTOM / FAR FACE BAR

REINFORCEMENT

TOTAL No. OF BARS	12 T16 24-150 EF	BAR LOCATION/S*
TYPE OF STEEL		CENTRES OF BARS
BAR DIAMETER		BAR MARK

*** BAR LOCATIONS**

T TOP	FF FAR FACE
B BOTTOM	EF EACH FACE
NF NEAR FACE	EW EACH WAY

REFERENCE DRAWINGS AND DOCUMENTS

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

No.	REVISIONS	APP'D	DATE
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CLIENT

TITLE

STANDARD DRAWINGS
STORM WATER WORKS

DRAWING TITLE

STANDARD REINFORCEMENT DETAILS FOR
DEEP STORM WATER MANHOLE ON PIPELINES
1500-3000mm DIA. - SHEET 2

DRAWN	-	SCALE	1:25
CHECKED	-	DATE	-
APPROVED	-	SIZE	A1
PROJECT No.	-	DWG. No.	1015