

- 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. GATE VALVE CHAMBER TO BE INSTALLED UPSTREAM OF FLOW METER CHAMBER AS PER SITE CONDITIONS.

LEGEND

- GV - GATE VALVE
DI - DUCTILE IRON
GRP - GLASS REINFORCED PLASTIC
IPF - INTEGRAL PUDDLE FLANGE
DJ - DISMANTLING JOINT
FC - FLEXIBLE COUPLING
- GROUTING
GRATING
REINFORCED CEMENT CONCRETE
CEMENT/SAND SCREED
BLINDING CONCRETE
SOIL COMPACTED TO 95% MDD

REFERENCE DRAWINGS AND DOCUMENTS

STANDARD DRAWING - TANKING DETAILS - 801

No. REVISIONS APP'D DATE

CLIENT

TITLE
STANDARD DRAWINGS
STORM WATER WORKS

DRAWING TITLE
TYPICAL DRAWING FLOW METER
CHAMBER GENERAL ARRANGEMENTS
(HDPE FITTINGS)

DRAWN	-	SCALE	1 : 50
CHECKED	-	DATE	-
APPROVED	-	SIZE	A1
PROJECT No.	-	DWG. No.	407

FOR PIPE SUPPORT
REFER TO DETAIL 'A'

300x300x150 SUMP WITH
GRP GRATING COVER

SECTION A-A

DUCTILE IRON COVER AND FRAME TO SUIT
750 DIA NOMINAL SIZE CLEAR OPENING IN
ALL CHAMBERS ON STORM WATER
PRESSURE MAINS

TYPICAL LIFTING HOOK

150 SQUARE
CHAMBER INDICATION PLATE

150 SQUARE OWNER
INFORMATION PLATE

PLAN AT COVER LEVEL

A36 STEEL PLATE, 19MM THICK
EPOXY COATED
NON SHRINKABLE GROUTING
(30mm THICKNESS) TYP.
CONCRETE SUPPORTS UNDER
THE STEEL SUPPORTS
UPPER AND LOWER PADS
PTFE, 5mm THK
STEEL PLATE WITH FISHTAIL
UNDER THE FLANGES

DETAIL A

CHAMFER 25x25

DUCTILE IRON COVER

AS SPECIFIED UV RESISTANCE
EPOXY COATING TO ALL
SURFACES ABOVE GROUND

FINISHED LEVEL OF
PAVED AREA (FL)

REINFORCED CONCRETE CLASS 'B'

TANKING MEMBRANE
AND PROTECTION BOARD

STFA/SLFA

FM

DJ

IPF

PVC WATER STOP

CONSTRUCTION JOINT

GRP LADDER

EPOXY COATING TO ALL
INTERNAL SURFACES

SECTION B-B

50mm THK. CEMENT/SAND SCREED
TANKING MEMBRANE
75mm THICK C20 BLINDING
1000 GAUGE POLYETHYLENE SHEET

HDPE PIPE SIZE OD (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
180	1500	250	390	1300	250
200	1500	250	400	1300	250
225	1500	250	400	1300	250
250	1500	300	450	1350	300
280	1500	300	450	1350	300
315	1500	300	500	1400	300
355	1500	300	600	1400	300
400	1500	300	800	1400	300
450	1800	300	850	1450	300
500	1800	300	900	1500	300
560	1800	300	900	1500	300
630	1800	350	1000	1600	350
710	1800	350	1100	1600	350