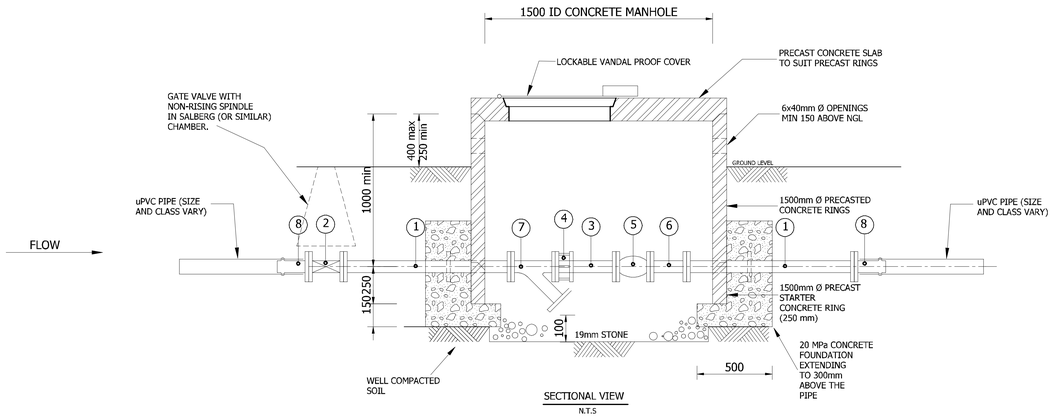
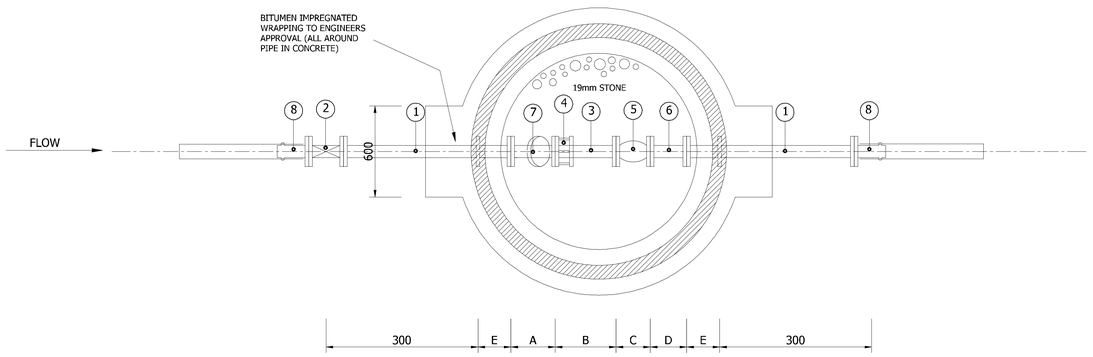


SECTIONAL VIEW
N.T.S

TABLE OF SPECIAL PIPES AND VALVES						
ITEM No	No.OFF	I.D.	MATERIAL	SKETCH		PROTECTION
1	2	100	STEEL (GR B 4,5mm THICK)	300 200	FLANGED BOTH SIDES WITH PADDLE FLANGE	EPOXY COATED
		250	STEEL (GR B 4,5mm THICK)	300 217	FLANGED BOTH SIDES WITH PADDLE FLANGE	EPOXY COATED
2	1	100	CAST IRON	GATE VALVE (AVK OR SIMILAR)	FLANGED BOTH SIDES	EPOXY COATED
		250	CAST IRON	GATE VALVE (AVK OR SIMILAR)	FLANGED BOTH SIDES	EPOXY COATED
3	1	100	STEEL (GR B 4,5mm THICK)	350	FLANGED ONE SIDE	EPOXY COATED
		250	STEEL (GR B 4,5mm THICK)	400	FLANGED ONE SIDE	EPOXY COATED
4	1	100	STEEL (GR B 4,5mm THICK)	HIGH PRESSURE COUPLING WITH FLANGE ADAPTOR		EPOXY COATED
		250	STEEL (GR B 4,5mm THICK)	HIGH PRESSURE COUPLING WITH FLANGE ADAPTOR		EPOXY COATED
5	1	100	CAST IRON	ELECTRO MAGNETIC FLOW METER WITH DATA LOGGER		EPOXY COATED
		250	CAST IRON	ELECTRO MAGNETIC FLOW METER WITH DATA LOGGER		EPOXY COATED
6	1	100	STEEL (GR B 4,5mm THICK)	150	FLANGED BOTH SIDES	EPOXY COATED
		250	STEEL (GR B 4,5mm THICK)	240	FLANGED BOTH SIDES	EPOXY COATED
7	1	100	CAST IRON	STRAINER		EPOXY COATED
		250	CAST IRON	STRAINER		EPOXY COATED
8	2	VARIES	STEEL (GR B 4,5mm THICK)	FLANGE ADAPTOR		EPOXY COATED
		VARIES	STEEL (GR B 4,5mm THICK)	FLANGE ADAPTOR		EPOXY COATED

NOTES:

1. ALL BOLTS, NUTS AND WASHERS TO BE GALVANISED.
2. ALL FLANGES TO BE ACCORDING TO SABS 1123-1977 (1600/3) (TABLE D)
3. ALL VALVES ACCORDING TO SABS 664 CLASS 16
4. PADDLE FLANGES 20mm THICK
5. CONCRETE CLASS 25/19
6. MIN COVER FOR REINFORCING = 40mm
7. STEEL PIPE GRADE B AND 4,5mm WALL THICKNESS.
8. TOP CONCRETE EDGES OF WALLS MUST BE CHAMPHERED 20x20mm
9. AIR VENTS IN WALL MUST BE ABOVE GROUND LEVEL AND COVERED BY STEEL GUASE ON INSIDE OF CHAMBER.
10. ECCENTRIC REDUCERS AND FLANGE ADAPTORS ARE NOT INCLUDED IN THIS ITEM BUT MEASURED ELSWHERE



PLAN
N.T.S

DETAIL OF WATER METER AND MANHOLE CHAMBER

TABLE FOR DIMENSIONS THAT VARY		
DIMENSION	WATER METER SIZE (mm)	
	250 mm	100mm
A	350	350
B	350	350
C	250	250
D	150	150
E	200	200

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Notes/Notas

Amendment/Wysiging

No. Nr.	Date Datum	Checked Nagesien	Description Beskrywing

TFC ENGINEERS & Project Managers
Established 2000
PO BOX 15110
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Designed Ontwerp		Traced Nagetrek	
Drawn Geteken		Checked Nagesien	

Pr.Eng. Pr.Ing.
Consulting Eng./Raadgewende Ing. Date/Datum

Client/Kliënt Date/Datum

Client/Kliënt

CITY OF MBOMBELA
THE ULTIMATE DESTINATION

Project/Projek

ADDITIONAL 3,5 Mℓ RESERVOIR FOR HAZYVIEW

Plan Description/Planbeskrywing

WATER METER MANHOLE DETAIL

Scale/Skaal

Date/Datum
July 2022

Plan No.
NS 3293/04