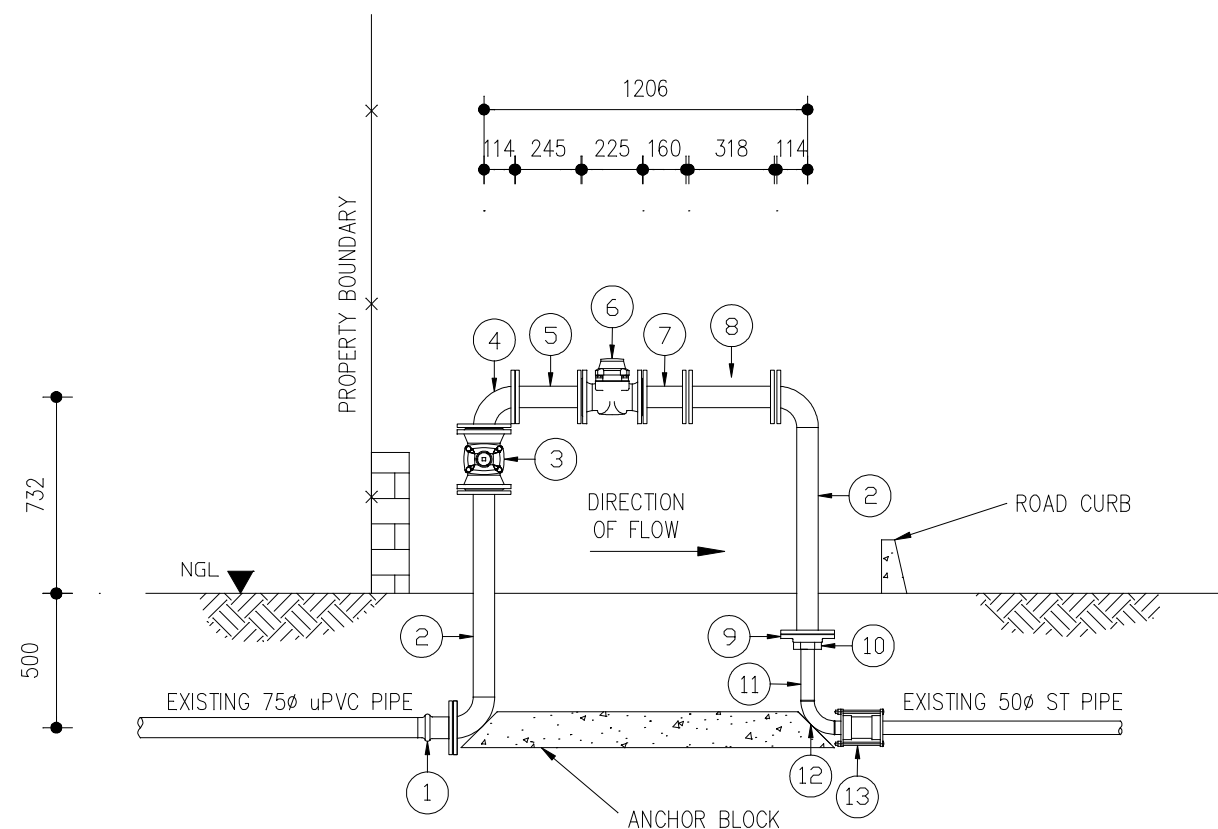
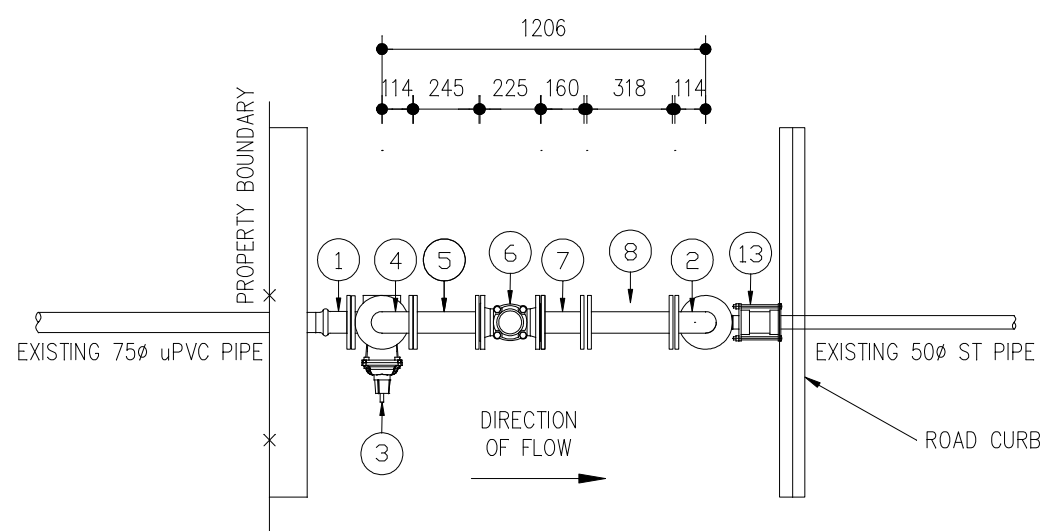




SECTIONAL ELEVATION

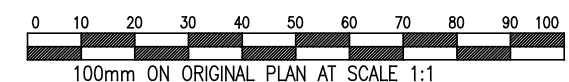
SCALE 1:20



SECTIONAL PLAN

SCALE 1:20

**TYPICAL LAYOUT
DRAWING**



STEEL PIPE FITTINGS AND ITEM LIST

ITEM NR.	DESCRIPTION	NO. OFF	DIMENSIONS
①	uPVC FLANGE ADAPTOR WITH METAL FLANGE, FLANGED TO SABS 1123 TABLE 16.	1	
②	80Ø STEEL STRAIGHT WITH LONG BEND ON ONE END, BOTH ENDS FLANGED TO SABS 1123 TABLE 16.	2	
③	80Ø GATE VALVE, (PN16) ANTI-CLOCKWISE CLOSING. ENDS FLANGED TO SABS 1123 TABLE 16.	1	
④	80Ø STEEL LONG BEND, FLANGED AT BOTH ENDS TO SABS 1123 TABLE 16.	1	
⑤	80Ø STEEL STRAIGHT, FLANGED AT BOTH ENDS TO SABS 1123 TABLE 16.	1	
⑥	80Ø SENSUS MEISTREAM WATER METER, PN16. BOTH ENDS FLANGED.	1	
⑦	80Ø STEEL STRAIGHT, FLANGED AT BOTH ENDS TO SABS 1123 TABLE 16.	1	
⑧	80Ø STEEL STRAIGHT, BOTH ENDS FLANGED TO SABS 1123 TABLE 16.	1	
⑨	80Ø WELDING NECK STEEL FLANGE, FLANGED TO SABS 1123 TABLE 16.	1	
⑩	80Ø - 50Ø MALLEABLE CAST IRON REDUCING BUSH	1	
⑪	50Ø STEEL STRAIGHT, TAPERED THREADS	1	
⑫	50Ø MALLEBALE CAST IRON FEMALE / FEMALE BEND	1	
⑫	50Ø VIKING JOHNSON QUICKFIT COUPLING OR SIMILAR	1	

NOTES

1. GENERAL

- 1.1 ALL MATERIAL AND WORKMANSHIP MUST COMPLY WITH THE REQUIREMENTS OF THE LATEST RELEVANT SABS REQUIREMENTS
- 1.2 ALL DIMENSIONS ARE IN MILLIMETERS (UNLESS OTHERWISE SPECIFIED)
- 1.3 DO NOT SCALE FROM THESE DRAWINGS
- 1.4 ALL DIMENSIONS MUST BE CHECKED AND APPROVED ON SITE
- 1.5 ALL CONSTRUCTION TO BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR MUNICIPAL CIVIL ENGINEERING WORKS, THIRD EDITION 2005
- 1.6 THESE DRAWINGS MUST BE READ IN CONJUNCTION WITH THE STANDARD DRAWINGS (IF APPLICABLE)
- 1.7 THIS DRAWING MUST BE READ IN CONJUNCTION WITH THE STANDARD SPECIFICATIONS FOR MUNICIPAL CIVIL ENGINEERING WORKS, SERIES 4
- 1.8 THE SIGNATURE OR INITIALS ON THIS DRAWING, OF ANY DIRECTOR OF THE PUBLIC WORKS AND INFRASTRUCTURE DEVELOPMENT DEPARTMENT, IN NO WAY REMOVES ANY RESPONSIBILITY WHATSOEVER FROM THE CONSULTANT
- 1.9 THE CONSULTANT REMAINS RESPONSIBLE TO ENSURE THAT ALL THE GUIDELINES, STANDARD DRAWINGS, STANDARDS AND SPECIFICATIONS OF THE PUBLIC WORKS AND INFRASTRUCTURE DEVELOPMENT DEPARTMENT HAVE BEEN MET AND ARE COMPLIED WITH
- 1.10 FINAL POSITION OF SERVICES TO BE DETERMINED ON SITE

2. PIPEWORK

- 2.1 ALL FITTINGS TO BE MANUFACTURED FROM MALLEABLE CAST IRON
- 2.2 DIMENSIONS AND DESIGN TO CONFORM TO SABS 509:1975 AND BS 143:1986
- 2.3 BANDED FITTINGS TO BE TO BS 143:1986 and SABS 509:1975 STANDARD
- 2.4 ALL FITTINGS SCREWED TO ISO R7 - BS 21
- 2.5 FITTINGS AND PIPES IN CONTACT WITH SOIL SHALL BE ADDITIONALLY PROTECTED WITH THE CORRECT DENSIO SYSTEM
- 2.6 ALL FLANGES DRILLED TO SABS 1123 TABLE 1600/3
- 2.7 ALL VALVES AND FITTINGS PN16
- 2.8 ALL NUTS AND BOLTS TO BE CADMIUM COATED
- 2.9 DIMENSIONS OF FABRICATED FITTINGS ARE BASED ON BUTT-WELD STANDARDS, IE. TEES, BENDS, REDUCERS AND WELD-NECK FLANGES
- 2.10 BEFORE THE EXISTING PIPE IS CUT INTO - THE EXPOSED PIPE SHOULD TEMPORARILY BE SUPPORTED
- 2.11 THE NEWLY INSTALLED PIPEWORK SHOULD BE TEMPORARILY SUPPORTED BEFORE THE PLINTHS ARE CONSTRUCTED

NO	DATE	REVISIONS	CHD	APPD
01	22/02	CHANGES TO DESIGN DRAWINGS	DM	WAW
00	20/11	DESIGN DRAWINGS	BA	WAW



CONSULTANT SIGNATURE

DRAWN PdS	CHECKED WAW	DESIGNED DM
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PROJECT

DESCRIPTION

**ABOVE GROUND TYPICAL
CHECK METER
INSTALLATION**

SCALE AS SHOWN	SHEET SIZE A2	DATE FEBRUARY 2024
WORK ORDER No	DRG. No	REV

TP/DWG.02