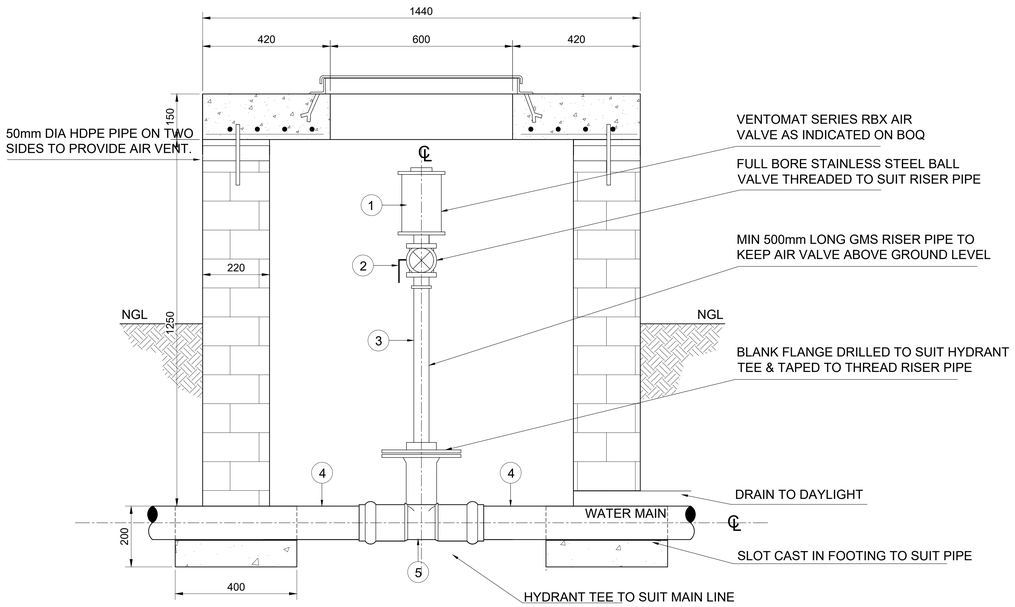
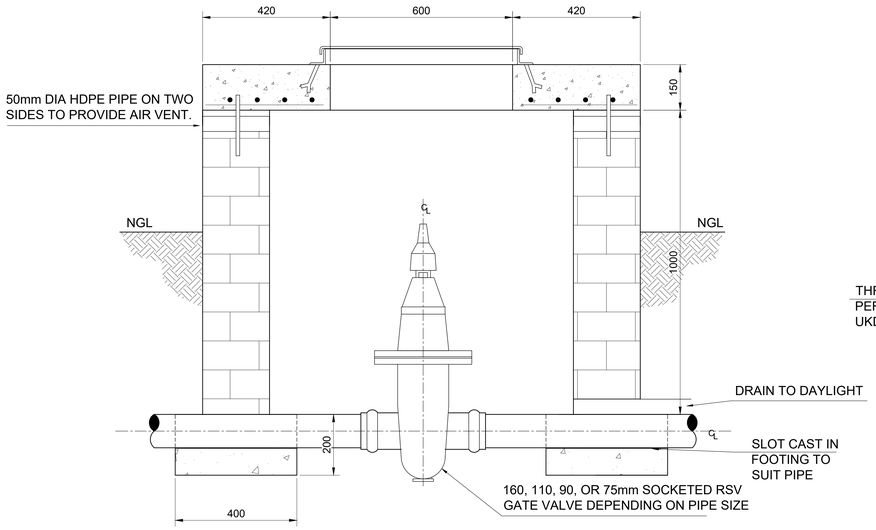


AIR VALVE DETAIL

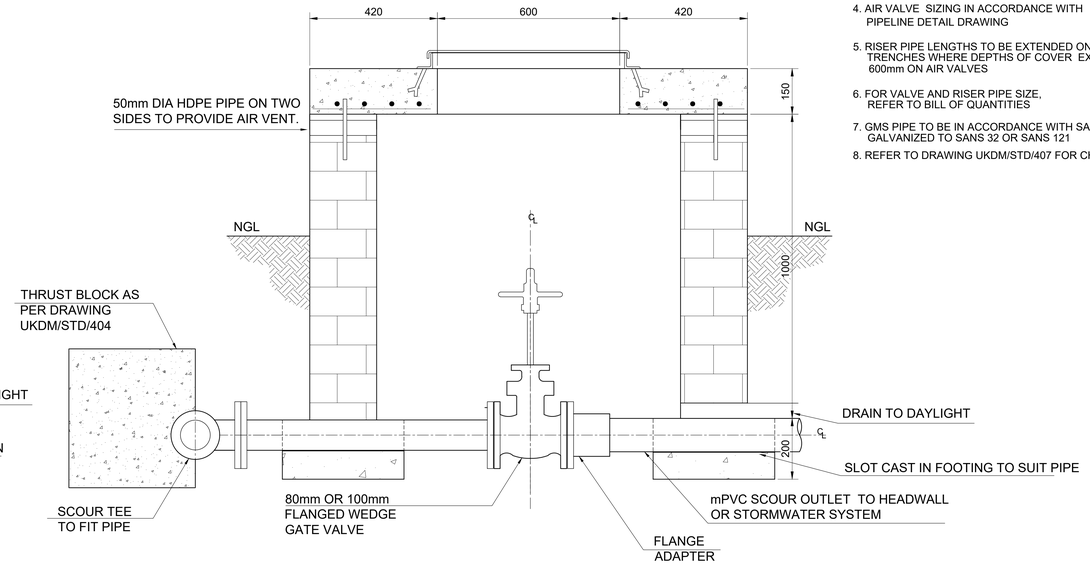
	AV ASSEMBLY TYPE 1	AV ASSEMBLY TYPE 2	AV ASSEMBLY TYPE 3	AV ASSEMBLY TYPE 4
1	25mmØ RBX air valve, as supplied by ventomat or similar approved, class 16	25mmØ RBX air valve, as supplied by ventomat or similar approved, class 16	25mmØ RBX air valve, as supplied by ventomat or similar approved, class 16	50mmØ RBX air valve, as supplied by ventomat or similar approved, class 16
2	1" Brass ball valve, class 16	1" Brass ball valve, class 16	1" brass ball valve, class 16	2" brass ball valve, class 16
3	SPECIAL: 600mm x 25mmØ Heavy duty steel pipe, one end threaded, the other welded to flange with hole cut for steel riser pipe, hot dip galvanised	SPECIAL: 600mm x 25mmØ Heavy duty steel pipe, one end threaded, the other welded to flange with hole cut for steel riser pipe, hot dip galvanised	SPECIAL: 600mm x 25mmØ Heavy duty steel pipe, one end threaded, the other welded to flange with hole cut for steel riser pipe, hot dip galvanised	SPECIAL: 600mm x 25mmØ Heavy duty steel pipe, one end threaded, the other welded to flange with hole cut for steel riser pipe, hot dip galvanised
4	50mmØ Medium duty steel pipe, hot dip galvanised, epoxy coated (both ends flanged), length of 950mm	80mmØ Medium duty steel pipe, hot dip galvanised, epoxy coated (both ends flanged), length of 950mm	100mmØ Medium duty steel pipe, hot dip galvanised, epoxy coated (both ends flanged), length of 950mm	150mmØ Medium duty steel pipe, hot dip galvanised, epoxy coated (both ends flanged), length of 950mm
5	50mmØ Steel hot dip galvanized equal tee flanged (Class 16)	80mmØ Steel hot dip galvanized equal tee flanged (Class 16)	100mmØ Steel hot dip galvanized equal tee flanged (Class 16)	150mmØ Steel hot dip galvanized equal tee flanged (Class 16)

NOTES:

1. THRUST BLOCKS TO BE PROVIDED AT TEE & VALVES AS PER THRUST BLOCK DETAIL DRAWING
2. FOR VALVE WORK MORE THAN 600mm (USUALLY CONTAINING MULTIPLE VALVES) DOUBLE VALVE CHAMBERS ARE TO BE USED
3. BALL VALVE ON AIR VALVE ASSEMBLY TO BE LEVEL WITH NATURAL GROUND LEVEL
4. AIR VALVE SIZING IN ACCORDANCE WITH PIPELINE DETAIL DRAWING
5. RISER PIPE LENGTHS TO BE EXTENDED ON TRENCHES WHERE DEPTHS OF COVER EXCEED 600mm ON AIR VALVES
6. FOR VALVE AND RISER PIPE SIZE, REFER TO BILL OF QUANTITIES
7. GMS PIPE TO BE IN ACCORDANCE WITH SANS 62. GALVANIZED TO SANS 32 OR SANS 121
8. REFER TO DRAWING UKDM/STD/407 FOR CHAMBER



ISOLATION VALVE DETAIL



SCOUR VALVE DETAIL

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DRAWING No.	REFERENCE DRAWINGS :

NO.	DATE	REVISION	DRAWN
0	NOV 2025	ISSUED FOR TENDER	B.S.

FOR TENDER

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PROJECT

KWAJOBE COMMUNITY WATER SUPPLY SCHEME: PHASE 1

DRAWING TITLE

TYPICAL VALVE DETAIL

	SIGNATURE FOR FLUX/SDM	DATE	PR.No.	SHEET SIZE
DESIGNED	B.S	SEP 2025		A1
DRAWN	B.S	SEP 2025		SCALE
CHECKED	N.N	SEP 2025		AS SHOWN
APPROVED	N.N	SEP 2025		DWG STATUS P
CO-ORDINATOR				P = PRELIMINARY C = CONSTRUCTION

FLUX/S.D.M. DRAWING NUMBER

UKDM/STD/410

REVISION No 0

FLUX/SDM–DRAWING No.

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C:\Users\User\OneDrive - Flux Development Scientists\Documents\01. Flux\02. Umkhanyakude DM\01. KwaJobe CWSS\03. Drawings\02. Tender Drawings\DWG\19-107 Typical Valve Detail - PVC.dwg