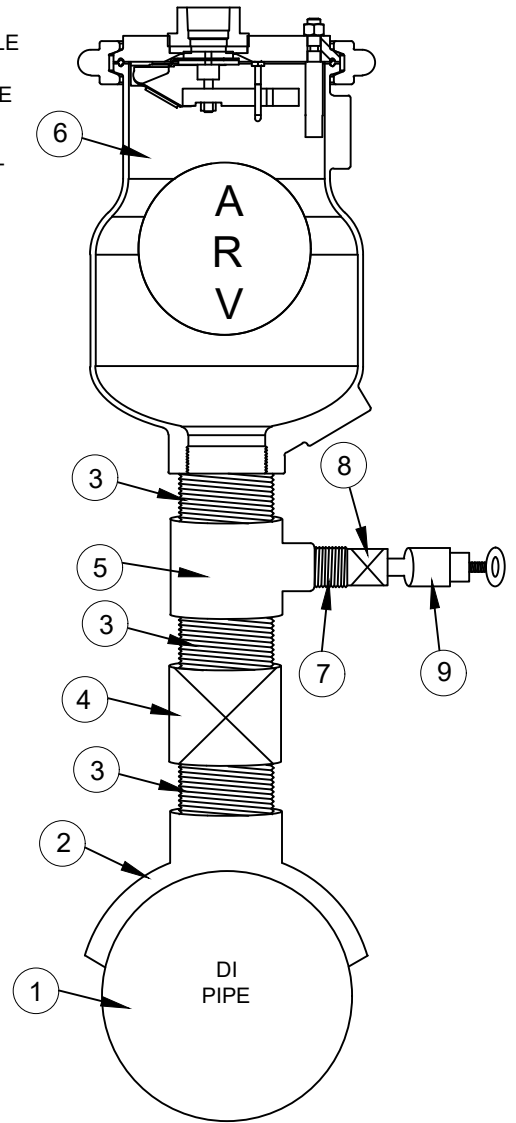


DESCRIPTION

1. D.I. WATER MAIN
2. - x 2" IP SADDLE
3. 2" BRASS NIPPLE
4. 2" BRASS BALL VALVE WITH HANDLE
5. 2"x3/4" BRASS TEE
6. ARV - AIR RELEASE VACUUM VALVE
7. 3/4" BRASS NIPPLE
8. 3/4" BRASS BALL VALVE
9. 3/4" FIP x FEMALE QUICK CONNECT #075D



COMBINATION AIR RELEASE VACUUM VALVE (WATER SERVICE)

N.T.S.

FAYETTEVILLE PUBLIC WORKS COMMISSION FAYETTEVILLE, N.C.

WATER RESOURCES ENGINEERING DEPARTMENT




NO.	DATE	REVISION
1	07/09	REVISED NOTES 3 AND 5, ADD NOTE 7
2	01/13	UPDATED NOTES, ADDED TRACER WIRE

SHEET NO. 1 OF 2	DWG. NO. W.16	DWG. BY: FAYPWC
	DATE: JAN. 01, 2025	APPROVED BY: K.A.H.

NOTES:

1. COMBINATION AIR RELEASE VALVES SHALL BE OF THE SINGLE HOUSING STYLE THAT COMBINES THE OPERATING FEATURES OF BOTH AN AIR VACUUM AND AIR RELEASE VALVE.
2. THE COMBINATION AIR RELEASE VALVE SHALL HAVE 2" NPT INLET AND 1" NPT OUTLET CONNECTIONS AND A 3/16 INCH DIAMETER ORIFICE (OR ORIFICE SHALL BE DETERMINED BY THE ENGINEER) FOR A MAXIMUM 200PSI WORKING PRESSURE.
3. ALL MATERIALS SHALL MEET THE STANDARDS AND SPECIFICATIONS OF THE FAYETTEVILLE PUBLIC WORKS COMMISSION.
4. MANHOLE, FRAME, AND COVER SHALL BE IN ACCORDANCE WITH FAYPWC STANDARD DETAILS. NOTE: LID SHALL INDICATE "WATER".
5. 2" TAPPING SADDLE SHALL BE DUCTILE IRON WITH STAINLESS STEEL STRAPS, BOLTS, NUTS, AND WASHERS.
6. SADDLES FOR PIPE SIZES 8" THRU 24" SHALL BE DOUBLE STRAP.
7. ALL INTERNAL PARTS SHALL BE 316 STAINLESS STEEL.
8. THE COMBINATION AIR RELEASE VALVE SHALL HAVE A SINGLE FLOAT DESIGN.
9. ALL COMBINATION AIR RELEASE VALVES SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS.
10. ALL COMBINATION AIR RELEASE VALVES SHALL BE CRISPIN MODEL UX20, ARI D-020, OR APPROVED EQUAL.
11. COMBINATION AIR RELEASE VALVE SHALL BE CENTERED IN MANHOLE. OFFSET THE RING AND COVER TO ALLOW ACCESS.
12. TOP OF WATER MAIN SHALL BE A MINIMUM 4' DEEP AT AIR RELEASE VALVE, UNLESS OTHERWISE REQUIRED DUE TO FORCE MAIN AND/OR COMBINATION AIR RELEASE VALVE SIZE.
13. COMBINATION AIR RELEASE VALVE BODIES SHALL BE MADE OF STAINLESS STEEL OR REINFORCED NYLON
14. THE MANHOLE SHALL BE CAST WITH AN ANTI-MICROBIAL ADDITIVE (CON-SHIELD OR APPROVED EQUAL.)

COMBINATION AIR RELEASE VACUUM VALVE (WATER SERVICE)			FAYETTEVILLE PUBLIC WORKS COMMISSION FAYETTEVILLE, N.C.				NO.	DATE	REVISION
							1	01/13	ADDED NOTE 16, REVISED NOTES
2	07/16	DELETED NOTES 3, 16							
SHEET NO. 2 OF 2	DWG. NO. W.16	DWG. BY: FAYPWC	WATER RESOURCES ENGINEERING DEPARTMENT						
DATE: JAN. 01, 2025		APPROVED BY: K.A.H.							