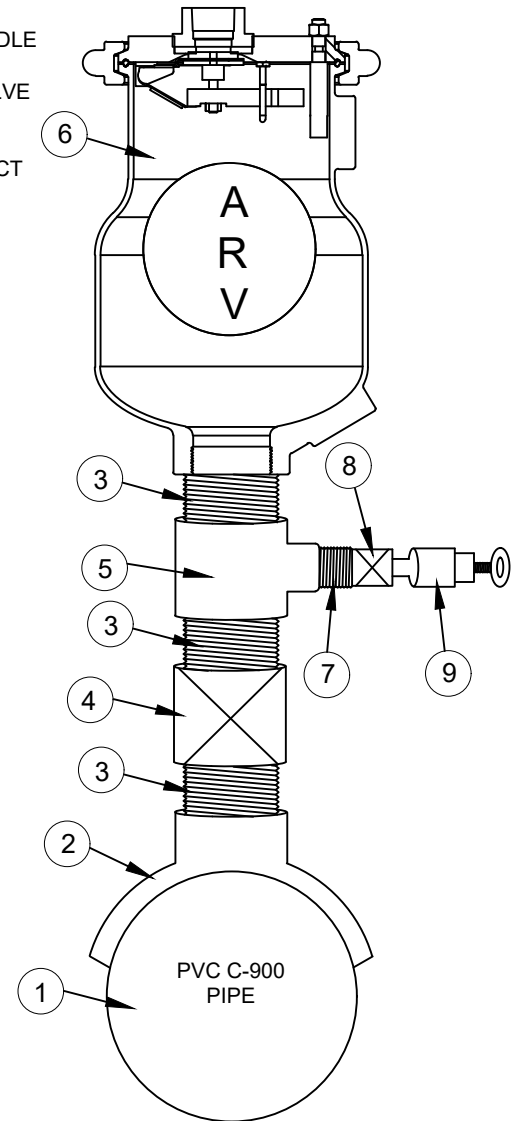


**DESCRIPTION**

1. PVC C-900 FORCE MAIN
2. - x 2" IP SADDLE
3. 2" BRASS NIPPLE
4. 2" BRASS BALL VALVE WITH HANDLE
5. 2" x 3/4" 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



<b>COMBINATION AIR RELEASE VACUUM VALVE (SEWER SERVICE)</b> N.T.S.		
SHEET NO. 1 OF 2	DWG. NO. <b>S.14</b>	DWG. BY: FAYPWC
	DATE: JAN. 01, 2025	APPROVED BY: K.A.H.

**FAYETTEVILLE  
PUBLIC WORKS COMMISSION  
FAYETTEVILLE, N.C.**


**WATER RESOURCES  
ENGINEERING DEPARTMENT**

NO.	DATE	REVISION
1	07/09	UPDATE DRAWING, ADD DESCRIPTION
2	01/13	REVISED VALVE OUTLET SIDE, ADDED NOTE ON TRACER WIRE
3	07/18	REVISED PIPE HATCHING, ADDED SOLID MH BASE



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 MAX. 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.
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, H-TEC 986, OR APPROVED EQUAL.
11. COMBINATION AIR RELEASE VALVE SHALL BE OFFSET 12" FROM CENTER OF MANHOLE. OFFSET THE RING AND COVER TO ALLOW ACCESS.
12. TOP OF FORCE MAIN SHALL BE A MIN. 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).

<b>COMBINATION AIR RELEASE VACUUM VALVE (SEWER SERVICE)</b>			<b>FAYETTEVILLE PUBLIC WORKS COMMISSION FAYETTEVILLE, N.C.</b>						NO.	DATE	REVISION
									1	01/01/13	REVISED NOTES 3 AND 4, ADDED NOTES 6-7
SHEET NO. 2 OF 2	DWG. NO.	S.14	<b>WATER RESOURCES ENGINEERING DEPARTMENT</b>			2	07/01/16	REVISED NOTES			
	DATE:	JAN. 01, 2025				DWG. BY: FAYPWC	APPROVED BY: K.A.H.	3	07/01/18	REVISED NOTE 11	