



ROUTE BLOW OFF PIPE TO CLOSEST GRAVITY SEWER MANHOLE, OR INSTALL A 4' DIAMETER MANHOLE WITH 24" RING AND COVER, ADJACENT TO THE ARV MANHOLE, AND TERMINATE BLOW OFF PIPE IN THIS MANHOLE

BILL OF MATERIALS

1	4' DIA. PRECAST MANHOLE W/ FLAT TOP
2	SCH. 80 PVC BLOW OFF PIPE W/ TRACER WIRE
3	2" AIR RELEASE/VACUUM VALVE
4	2" SST BALL VALVE
5	SST ADJUSTABLE SADDLE PIPE SUPPORT
6	2" UNION, SCH. 80 PVC
7	2" SCH. 80 PVC W/ TRACER WIRE
8	CITY STANDARD CORPORATION COCK
9	36" x 30" HALLIDAY HATCH, ALUMINUM
10	2" GATE VALVE W/ OPERATING NUT
11	TAPPING SADDLE

NOTES:

1. AIR RELEASE/VACUUM VALVE TO BE A.R.I. FLOW CONTROL MODEL SAAR SHORT VERSION D-025 SS (STAINLESS STEEL).
2. THE AIR RELEASE MANHOLE SHALL BE INSTALLED IN THE SHOULDER OR AS DIRECTED BY THE ENGINEER.
3. FOR FORCE MAINS LOCATED OUTSIDE OF STREET RIGHT-OF-WAYS, THE MAXIMUM DISTANCE BETWEEN THE MANHOLE AND THE VALVE BOX SHOULD BE THREE (3) FEET.
4. MAIN SHALL BE DEEP ENOUGH TO ACCOMMODATE INSTALLATION AS SHOWN.
5. SEE DETAIL S-4 & S-5 TO INSURE PROPER BACKFILL.
6. ALL PIPE MATERIALS INSIDE MANHOLE BETWEEN BALL VALVE & ARV SHALL BE SST.
7. TRACER WIRE SHALL BE ACCESSIBLE FROM WITHIN THE ARV MANHOLE.

<p style="text-align: center;">CITY OF RALEIGH STANDARD DETAIL</p>		REVISIONS	DATE: 01/18/2025	<p style="text-align: center;">NOT TO SCALE</p>
		07/2025		
S-9		SEWER FORCE MAIN AIR RELEASE VALVE		