



**NOTES:**

1. AUTOMATIC AIR RELEASE VALVES ARE REQUIRED UNLESS APPROVED BY DEPARTMENT. MANUAL AIR RELEASE VALVES ARE ONLY USED WHERE GROUND COVER DOES NOT ALLOW FOR AN AUTOMATIC ARV OR AT LOCATIONS REQUIRED TO BLEED THE FM FOR TESTING.
2. AIR RELEASE RISER AND PVC PIPE HOUSING SHALL BE PLACED AND MAINTAINED IN VERTICAL POSITION.
3. METALLIC THREADS TO BE COATED WITH BITUMASTIC COATING.
4. INSTALL TAPPING SADDLE FOR THICKNESS CLASS D.I. MAINS 4" & SMALLER, PRESSURE CLASS D.I. MAINS 8" & SMALLER, OR WHEN MAIN IS PVC, HDPE, OR AC PIPE.
5. FOR MANHOLE/VALVE BOX IN GRASS AREAS, SEE SS 21.0 SHEET 1 OF 1.

TYPE "A" MANHOLE	SS 4.0	
ITEM	CROSS REF.	SPEC. REF.



ISSUE DATE	APPROVED BY
6/29/2011	F.A.
1/22/2019	D.V.

STANDARD DETAIL  
**MANUAL AIR RELEASE VALVE  
 ASSEMBLY**  
 IN PAVED AREAS FOR  
 SEWAGE FORCE MAINS

**SS**  
**11.0**  
 SHEET 1 OF 2