

1. CONCRETE USED FOR VAULTS, MANHOLES, AND RISERS SHALL HAVE AN ULTIMATE COMPRESSIVE STRENGTH AT 28 DAYS OF 4000 P.S.I. CEMENT SHALL BE TYPE II PORTLAND.
2. VAULT SHALL BE PRECAST OR POURED IN PLACE CONCRETE IN ACCORDANCE WITH ASTM C478.
3. AIR RELEASE VALVE SHALL BE TYPE AND SIZE APPROPRIATE FOR SERVICE INTENDED.
4. ALL OPENINGS SHALL BE SEALED WITH WATERPROOF NON-SHRINK GROUT.
5. COATINGS ON INTERIOR & EXTERIOR OF MANHOLES AND VAULTS SHALL BE IN ACCORDANCE WITH PUBLIC UTILITIES DEPT. APPROVED PRODUCT LIST, AND APPLIED IN TWO DIFFERENT COLORED COATS.
6. REINFORCED CONCRETE COLLAR REQUIRED WHEN MANHOLE OR VAULT IS OUTSIDE PAVEMENT.
7. NO SUMPS SHALL BE ALLOWED IN VAULTS FOR FORCE MAIN ARV'S.
8. SUMPS OF WATER MAIN ARV'S SHALL HAVE 3/4" WASHED ROCK PLACED IN SUMP ABOVE FILTER FABRIC.
9. FOR VAULT TO BE CONSTRUCTED OVER EXISTING PIPE, SEE "DOG HOUSE MANHOLE" STANDARDS.

REVISED: SEPT-2009	PRESSURE PIPE - AIR RELEASE VALVE AND VAULT NOTES	STANDARD DETAIL
ISSUED: SEPT - 2009	CITY OF WEST PALM BEACH ENGINEERING SERVICES DEPT.	P-5.1