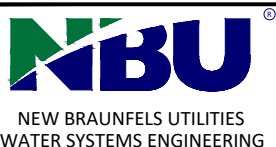


GENERAL NOTES:

1. ON TWO PIECE COMBINATION AIR VALVES, THE OUTLET PIPING OF THE SMALL VALVE SHALL BE CONNECTED WITHIN THE MANHOLE INTO THE SIDE OF THE LARGER VENT PIPE THAT GOES ABOVE GROUND.
2. AIR VENT PIPE 6" AND LARGER SHALL BE D.I. (CLASS 350 MIN.) PIPE FLANGE FITTINGS ORDERED SPECIAL WITH SHOP APPLIED COATING IN ACCORDANCE WITH ITEM 530 - HIGH PERFORMANCE COATINGS.
3. SEALANT SHALL BE 1 1/4" FLEXIBLE BUTYL RESIN SEALANT CS-102 AS MANUFACTURED BY CONCRETE SEALANTS, INC. OR EQUAL.
4. NBU STANDARD VALVE CASTING INSTALLATION. SEE DETAILS 232 AND 233.
5. AIR VENT PIPE INSTALLATION SHALL BE AS NEAR AS PRACTICAL TO THE RIGHT-OF-WAY LINE.
6. CONCRETE MANHOLE PENETRATIONS SHALL BE CORE BIT DRILLED. VOID SHALL BE FILLED BY PRESSING SEAL GASKET CORP. PSX RESILIENT CONNECTOR MEETING ASTM C923 OR APPROVED EQUAL.
7. CROSS SECTIONAL AREA OF OPENING, INCLUDING REDUCTION IN OPEN AREA FROM INSECT SCREEN, TO BE EQUAL TO OR GREATER THAN CROSS SECTIONAL AREA OF AIR VENT PIPE.
8. AIR/VACUUM VALVE SHALL BE INSTALLED IN A MANNER WHICH WILL ALLOW REMOVAL OF ASSEMBLY WITHOUT REMOVAL OF PRECAST CONCRETE LID.
9. PIPING FROM MAIN TO ARV AND ALL AIR VENT PIPING SHALL BE DUCTILE IRON OF EQUAL DIAMETER TO THE ARV FOR ALL SIZES 4" AND LARGER. 3" ARV WILL HAVE 4" DUCTILE IRON PIPING AND FITTINGS WITH 4"X3" REDUCERS AT THE ARV.
10. MINIMUM SIZING FOR GATE VALVES, VENT PIPING, AND MANHOLE DIAMETERS SHALL CONFORM TO THE TABLE BELOW.
11. VALVES LARGER THAN 4" MUST BE DESIGNED BY AN ENGINEER.

AIR VALVE	GATE VALVE	VENT PIPE (MIN.)	M.H. DIA. (MIN.)
3"	3"	3"	5'
4"	4"	4"	6'
6"	6"	6"	6'
8"	8"	8"	6'



DRAWN BY:  
EWL  
APPROVED BY:  
A. WILLARD  
DRAWING DATE:  
2/1/24

STANDARD DRAWING:  
**3" OR LARGER AIR/VACUUM VALVE INSTALLATION (TYPE II)**  
UPDATED:  
SCALE:  
N.T.S.  
SHEET:  
2 OF 2  
DRAWING NO.  
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