

**LETTER TO INDUSTRY**  
**LTI #. 00000004**

**DATE:** August 25, 2010

**DCSM REFERENCE:** Article 5  
Detail W-4.0

**SUMMARY OF ISSUE/TOPIC:** Air release valve piping shall extend to a point above finished grade

**EFFECTIVE DATE:** Immediately

**POLICY / REQUIREMENTS / GUIDELINE:** Replace existing Detail W-4.0 with the attached Detail W-4.0

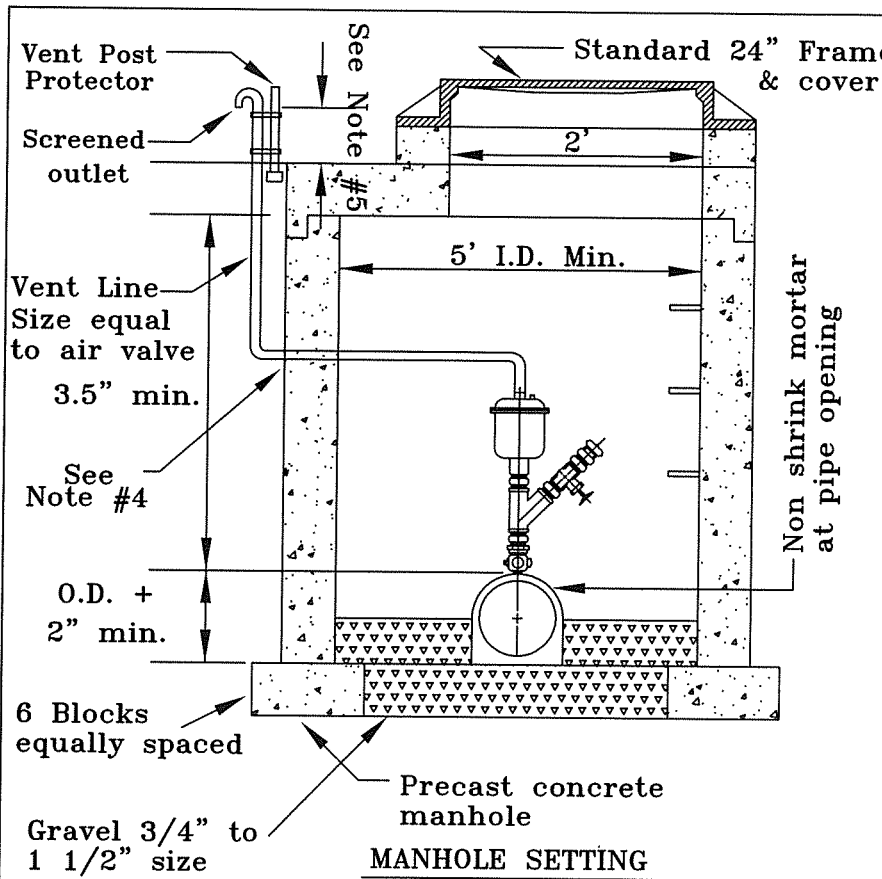
**BACKGROUND:** The Virginia Department of Health (VDH) requires that all air release vent piping extend to a point above the vault's surface. Detail changes address this requirement.

**CONTACT:** Patrick Moore, P.E.

**DEPARTMENT:** Public Works/Utilities

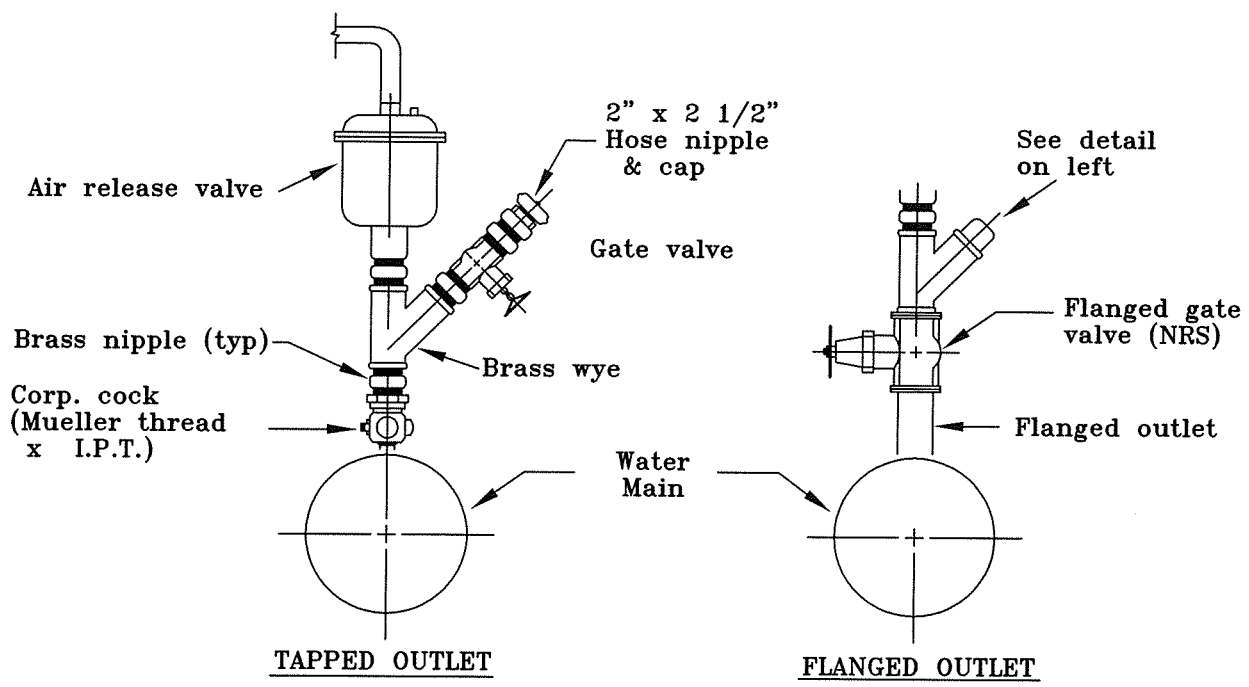
**MANAGER APPROVAL:** Michael Moon, P.E. 

**MANAGER TITLE:** Public Works and Utilities Director



- NOTES:**
1. Air release valve and piping shall be 2-inch unless indicated otherwise.
  2. Air valves shall not be located in areas subject to flooding or high water table. Special vent piping will be required for these cases.
  3. Tapping saddles shall be used where directed.
  4. Concrete vault penetration shall be core bit drilled.
  5. The air vent pipe shall be 1' MIN. in height and shall be supported by a 4" steel pipe, which is filled with concrete and supported with two (2) stainless steel clamps.
  6. When an above ground extension is not practical or desired the end of the relief pipe or blowoff shall be extended to the top of the pit or chamber

**MANHOLE SETTING**



**AIR RELEASE VALVE SETTING**

*[Signature]*  
 DIRECTOR  
 8.26.10  
 DATE

CITY OF MANASSAS, VIRGINIA  
 DEPARTMENT OF PUBLIC WORKS

1	062510
REVISION & DATE	
DRAWING NUMBER	
W - 4.0	