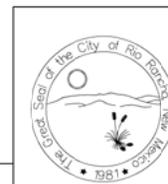


**KEYED NOTES:** ○

- A. CURB STOP IN METER BOX.
- B. METER SETTER WITH METER VALVE.
- C. METER.
- D. SERVICE LINE. NO OUTLETS PERMITTED BETWEEN METER AND PVB.
- E. ADEQUATE SLEEVE AND INSULATION (MINIMUM 1" THICK).
- F. MINIMUM 4" CONCRETE SLAB.
- G. UNIONS OR FLANGED FITTINGS. INSTALLED A MINIMUM OF 4" ABOVE GRADE.
- H. INSTALL 12" MINIMUM-36" MAXIMUM FROM LOWEST POINT OF ASSEMBLY.
- I. APPROVED PVB.
- J. PROTECTIVE ENCLOSURE. SEE THIS DRAWING.
- K. DRAIN PORT OR FLOOR DRAIN. DRAINAGE SYSTEM MUST BE SIZED TO HANDLE A CATASTROPHIC DISCHARGE. PROVIDE CALCULATIONS JUSTIFYING SIZE.
- L. BUILDING SERVICE LINE.

**GENERAL CONSTRUCTION NOTES:**

1. PRESSURE VACUUM BREAKER BACKFLOW PREVENTER ASSEMBLY (PVB) INSTALLATION, MAINTENANCE AND ANNUAL TESTING IS THE RESPONSIBILITY OF THE CUSTOMER, NOT THE CITY OF RIO RANCHO.
2. PVBs CAN BE INSTALLED HORIZONTALLY OR VERTICALLY, AS LONG AS THE ORIENTATION WAS APPROVED BY A TESTING LABORATORY AND MEETS MANUFACTURER'S SPECIFICATIONS.
3. A LIST OF APPROVED MODELS AND ORIENTATIONS CAN BE OBTAINED FROM THE UNIVERSITY OF SOUTHERN CALIFORNIA FOUNDATION FOR CROSS CONNECTION CONTROL AND HYDRAULIC RESEARCH (USC FCCCHR). CHECK THEIR WEBSITE FOR THE LATEST LIST.
4. PVB MUST BE PROTECTED FROM FREEZING AND OTHER SEVERE WEATHER CONDITIONS. PROTECTION CAN BE ANY OR ALL OF THE FOLLOWING:
  - A. A POSITIVE HEAT SOURCE,
  - B. PIPING INSULATION,
  - C. AN APPROVED ENCLOSURE. (SEE THIS DRAWING FOR A TYPICAL ENCLOSURE).
5. DO NOT INSTALL IN FLOOD PRONE AREAS.
6. ABOVE GRADE PVB INSTALLATION REQUIRED.
7. PROVIDE METALLIC OR REINFORCED CONCRETE SUPPORTS ON UNITS LARGER THAN 2 1/2".
8. PVBs LARGER THAN 2" AND MORE THAN 5 FEET ABOVE GROUND REQUIRE THE INSTALLATION OF A PERMANENT PLATFORM.
9. WATER LINE PRESSURE AND TEMPERATURE MUST NOT EXCEED RATED CAPACITY (REFER TO MANUFACTURER'S RECOMMENDATIONS).
10. MINIMUM PVB SIZE MUST BE THE BUILDING LINE SIZE.
11. INSTALL WATER HAMMER ARRESTORS AND THERMO EXPANSION PROTECTION, AS NECESSARY.
12. METALLIC RISER PIPING REQUIRED.
13. JOINTS TO BE ADEQUATELY RESTRAINED.
14. DEVIATIONS FROM THESE SPECIFICATIONS MUST HAVE PRIOR WRITTEN APPROVAL FROM THE CITY OF RIO RANCHO.



**City of Rio Rancho  
Department of Public Works**

**PRESSURE VACUUM BREAKER  
BACKFLOW PREVENTER ASSEMBLY (PVB)**

DATE MODIFIED:

OCTOBER 2017

DWG. NO. W-02

APRIL 22, 2016