

**KEYNOTES:** ○

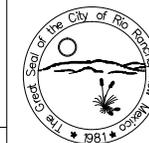
- A. CURB STOP IN METER BOX.
- B. METER SETTER WITH METER VALVE.
- C. METER.
- D. SERVICE LINE. NO OUTLETS PERMITTED BETWEEN METER AND SVB.
- E. ADEQUATE SLEEVE AND INSULATION (MINIMUM 1" THICK).
- F. MINIMUM 4" CONCRETE SLAB.
- G. UNIONS OR FLANGED FITTINGS. INSTALLED A MINIMUM OF 4" ABOVE GRADE.
- H. INSTALL 12" MINIMUM-36" MAXIMUM FROM LOWEST POINT OF ASSEMBLY.
- I. APPROVED SVB.
- J. PROTECTIVE ENCLOSURE. SEE DWG. W-02.
- K. DRAIN PORT OR FLOOR DRAIN. DRAINAGE SYSTEM MUST SIZED TO HANDLE A CATASTROPHIC DISCHARGE. PROVIDE CALCULATIONS JUSTIFYING SIZE.
- L. BUILDING SERVICE LINE.

**GENERAL CONSTRUCTION NOTES:**

1. PRESSURE VACUUM BREAKER SPILL-PROOF TYPE BACKFLOW PREVENTER ASSEMBLY (SVB) INSTALLATION, MAINTENANCE AND ANNUAL TESTING IS THE RESPONSIBILITY OF THE CUSTOMER, NOT THE CITY OF RIO RANCHO.
2. SVBs 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. SVB 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 DWG. NO. W-02 FOR A TYPICAL ENCLOSURE).
5. DO NOT INSTALL IN FLOOD PRONE AREAS.
6. ABOVE GRADE SVB INSTALLATION REQUIRED.
7. PROVIDE METALLIC OR REINFORCED CONCRETE SUPPORTS ON UNITS LARGER THAN 2 1/2".
8. SVBs 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 SVB 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.

DATE MODIFIED:

APRIL 2016



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

**PRESSURE VACUUM BREAKER  
SPILL-PROOF TYPE BACKFLOW  
PREVENTER ASSEMBLY (SVB)**

DWG. NO. W-03

APRIL 22, 2016