GENERAL CONSTRUCTION NOTES:

1. PRESSURE VACUUM BREAKER BACKFLOW PREVENTER ASSEMBLY (PV B) INSTALLATION, MAINTENANCE AND ANNUAL TESTING IS THE RESPONSIBILITY OF THE CUSTOMER, NOT THE CITY OF RIO RANCHO.
2. PV Bs CAN BE INSTALLED HORIZONTALLY OR VERTICALLY, AS LONG AS THE ORIENTATION WAS APPROVED BY A TESTING LABORATORY AND MEETS MANUFACTURER'S SPECIFICATIONS.
4. PV Bs 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 PV B INSTALLATION REQUIRED.
7. PROVIDE METALLIC OR REINFORCED CONCRETE SUPPORTS ON UNITS LARGER THAN 2 1/2".
8. PV Bs LARGER THAN 2" AND MORE THAN 5 FEET ABOVE GROUND REQUIRE THE INSTALLATION OF A PERMA NENT PLATFORM.
9. WATER LINE PRESSURE AND TEMPERATURE MUST NOT EXCEED RATE CAPACITY (REFER TO MANUFACTURER'S RECOMMENDATIONS).
10. MINIMUM PV B 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 REINFORCED.
14. DEVIATIONS FROM THESE SPECIFICATIONS MUST HAVE PRIOR WRITTEN APPROVAL FROM THE CITY OF RIO RANCHO.

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 PV B.
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 PV B.
J. PROTECTIVE ENCLOSURE. SEE THIS DRAWING.
K. DRAINAGE SYSTEM MUST SIZE TO HANDLE A CATASTROPHIC DISCHARGE. PROVIDE CALCULATIONS JUSTIFYING SIZE.
L. BUILDING SERVICE LINE.

DATE MODIFIED: OCTOBER 2017

City of Rio Rancho Department of Public Works
PRESSURE VACUUM BREAKER BACKFLOW PREVENTER ASSEMBLY (PV B)
DWG NO W-02 APRIL 22 2016