

ELEVATION
SCALE: NTS

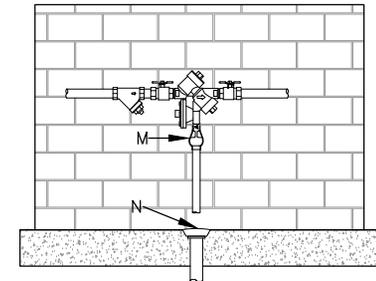
PLAN
SCALE: NTS

KEYNOTES: ○

- A. CURB STOP IN METER BOX.
- B. METER SETTER WITH METER VALVE.
- C. METER.
- D. SERVICE LINE. NO OUTLETS PERMITTED BETWEEN METER AND RPBA.
- 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 RPBA.
- 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.
- M. AIR GAP.
- N. FLOOR DRAIN.

GENERAL CONSTRUCTION NOTES:

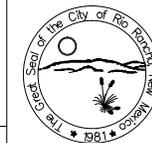
1. REDUCED PRESSURE PRINCIPAL BACKFLOW PREVENTION ASSEMBLY (RPBA) INSTALLATION, MAINTENANCE AND ANNUAL TESTING IS THE RESPONSIBILITY OF THE CUSTOMER, NOT THE CITY OF RIO RANCHO.
2. RPBA's MUST BE INSTALLED HORIZONTALLY AND PLUMB PER MANUFACTURER'S RECOMMENDED PRACTICE.
3. A LIST OF APPROVED MODELS AND 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. RPBA 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. W-02 FOR A TYPICAL ENCLOSURE).
5. DO NOT INSTALL IN FLOOD PRONE AREAS.
6. ABOVE GRADE RPBA INSTALLATION REQUIRED.
7. PROVIDE METALLIC OR REINFORCED CONCRETE SUPPORTS ON UNITS LARGER THAN 2 1/2".
8. RPBA'S INSTALLED 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 RPBA 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. WHEN INSTALLED INDOORS, RPBA'S SHALL ONLY BE INSTALLED IN AREAS WHERE INTERMITTENT OR CONTINUOUS DISCHARGE FROM THE RELIEF VALVE WILL NOT BE OBJECTIONABLE.
15. DEVIATIONS FROM THE REQUIREMENTS SHOWN ON THIS DETAIL MUST HAVE PRIOR WRITTEN APPROVAL FROM THE CITY OF RIO RANCHO.



ELEVATION
TYPICAL INDOOR INSTALLATION
SCALE: NTS

DATE MODIFIED:

APRIL 2016



City of Rio Rancho
Department of Public Works
REDUCED PRESSURE PRINCIPLE
BACKFLOW PREVENTION
ASSEMBLY (RPBA)

DWG. NO. W-01

APRIL 22, 2016