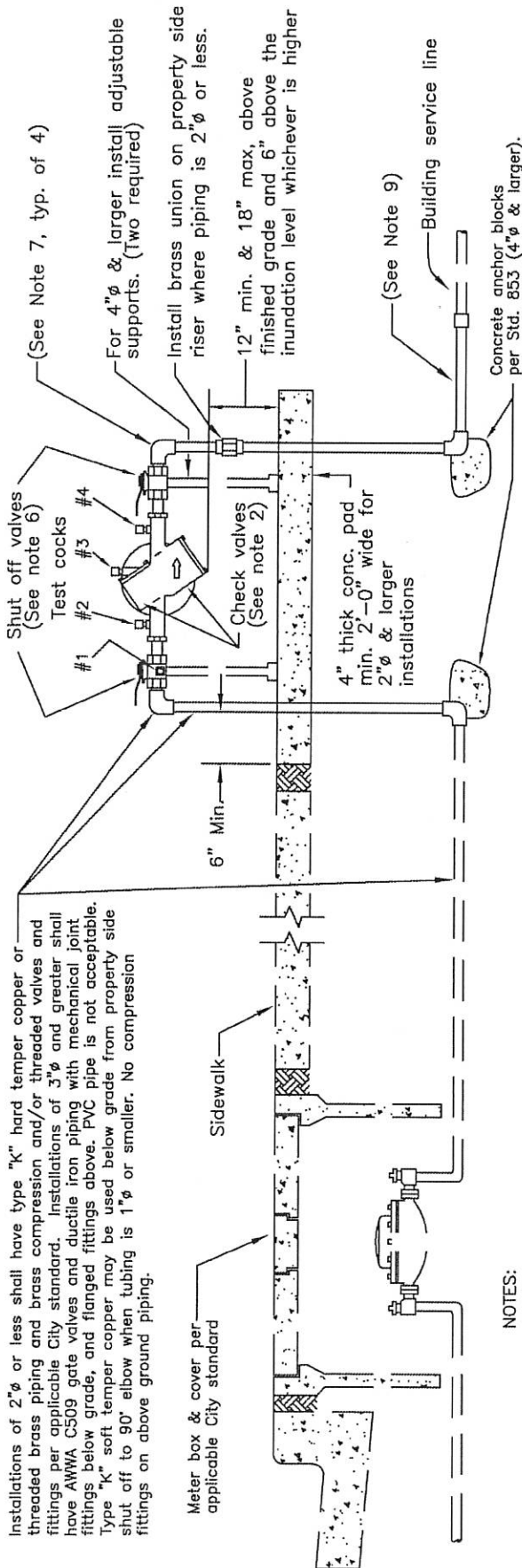


Installations of 2" or less shall have type "K" hard temper copper or threaded brass piping and brass compression and/or threaded valves and fittings per applicable City standard. Installations of 3" and greater shall have AWWA C509 gate valves and ductile iron piping with mechanical joint fittings below grade, and flanged fittings above. PVC pipe is not acceptable. Type "K" soft temper copper may be used below grade from property side shut off to 90° elbow when tubing is 1" or smaller. No compression fittings on above ground piping.

Meter box & cover per applicable City standard



**NOTES:**

1. Reduced pressure type backflow assembly shall be required as determined by Santa Rosa Water.
2. Approved backflow assemblies shall be from the "List Of Approved Backflow Prevention Devices" (Latest Revision) by the University of Southern California Foundation For Cross-Connection Control & Hydraulic Research.
3. Reduced pressure type backflow assemblies are required on all services where, in the opinion of the Water Department, a potential intermediate hazard exists. Device to be installed on all services to properties with wells.
4. Reduced pressure backflow assemblies shall typically be installed inline with the water meter and just behind the sidewalk. Where no sidewalk exists or installation at this location is not practical, double check valve assemblies shall be installed as close as possible to the water meter in a location that is safe from traveled ways. Any conflicts shall be brought to the attention of the Engineer and final location shall be determined by the Water Department.
5. The piping from the meter to the device, and the device itself shall be the same size as the meter unless otherwise approved by the Water Department.
6. Valves 2" & less shall be brass ball valves, and valves 3" and greater shall be resilient seat gate valves. When shut off valves on approved backflow assemblies are installed on their vertical risers, the bottom of the valves shall be a minimum of 4" above finished grade.
7. M.I.P. x F.I.P. 90° elbows (street ells) are not allowed for use on this installation.
8. Provide brass caps or plugs for all test cocks.
9. Minimum 12" long threaded brass nipple for 2" and smaller, and 24" long ductile iron pipe for 3" and greater.
10. Any enclosure, cover or screening for the backflow assembly must first be approved by the Water Department prior to installation.
11. Where multiple devices are installed side by side they shall have a minimum separation of 12".
13. Where multiple devices are installed side by side there shall be a minimum of 12" between devices. Where enclosures are installed over devices, devices shall be centered within, and there shall be a minimum of 4" between enclosures.

**CITY OF SANTA ROSA**

**REDUCED PRESSURE  
BACKFLOW DEVICE**

|             |                    |
|-------------|--------------------|
| SCALE: NONE | DATE: Sept 2017    |
| DWN: GC DK  | APPROVED           |
| CHK: RS     | FILE NO. STD.- 876 |