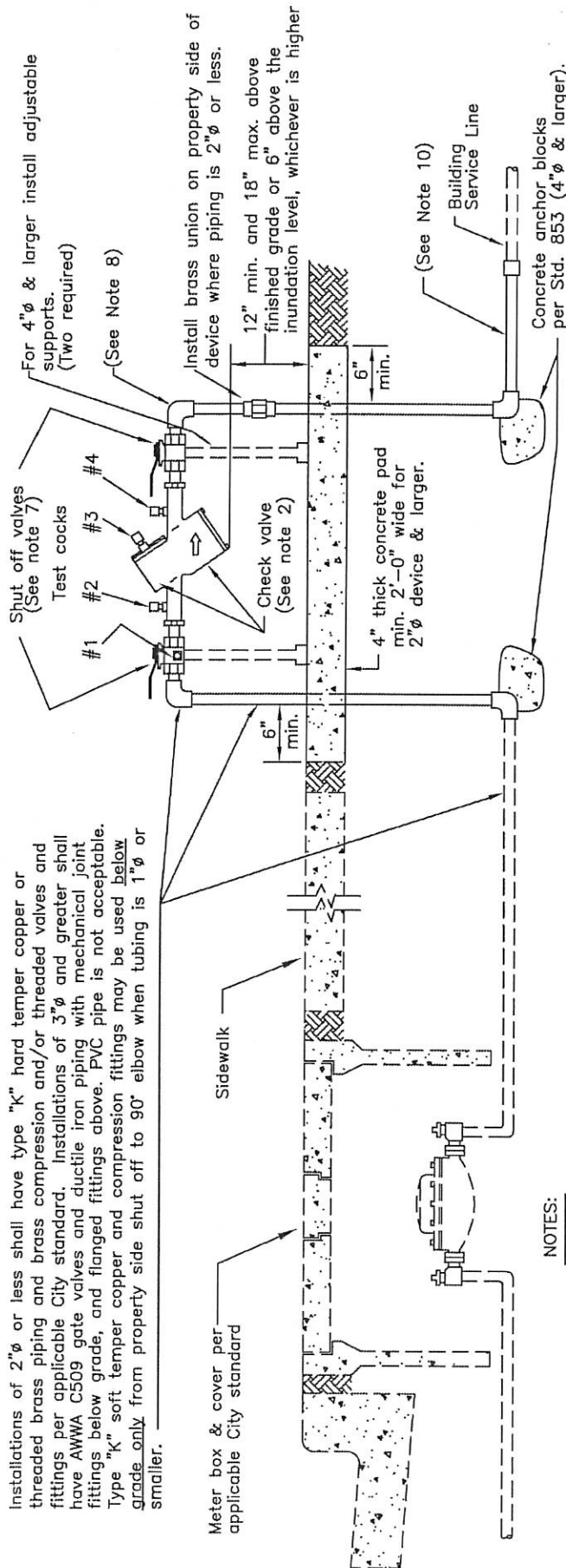


Installations of 2" or less shall have type "K" hard temper copper or threaded brass piping and brass compression and/or threaded valves and fittings per applicable City standard. Installations of 3" and greater shall have AWWA C509 gate valves and ductile iron piping with mechanical joint fittings below grade, and flanged fittings above. PVC pipe is not acceptable. Type "K" soft temper copper and compression fittings may be used below grade only from property side shut off to 90° elbow when tubing is 1" or smaller.



**NOTES:**

1. This standard shall be used for all commercial installations requiring a double check valve type backflow preventer.
2. Approved double check valve 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. Double check valve 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. If above ground installation is not feasible a request may be made to the Water Department for an installation per City Standard 875.
5. Double check valve 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.
6. The piping from the meter to the double check valve assembly and the double check valve assembly itself must be the same size as the meter unless otherwise approved by the Water Department.
7. Double check valve shall be equipped with shut off valves installed and tested as part of approved device assembly.
8. M.I.P. x F.I.P. 90° elbows (street ells) are not allowed for use on this installation.
9. Provide brass caps or plugs for all test cocks.
10. Minimum 12" long threaded brass nipple for 2" and smaller, and 24" long ductile iron pipe for 3" and greater.
11. Any enclosure, cover or screening for the backflow assembly must first be approved by the Water Department prior to installation.
12. For Residential Fire Line Requirements, if applicable, see details on City Standard 875.
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**

**ABOVE GROUND  
DOUBLE CHECK VALVE  
BACKFLOW DEVICE**

SCALE: NONE	DATE: Sept. 2017
DWN: GC DK	APPROVED: [Signature]
CHK: RS	FILE NO. STD.-874