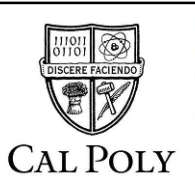


GENERAL NOTES:

- A. Pipe and fittings shall be brass or copper when diameter is between 3/4" and 3" and DI for pipe larger than 3". DI pipe shall be wrapped with two layers of UPC listed plastic tape minimum 40 mil or coated with Henry's #204 plastic roof cement or approved equal. Resilient seated shut off valves and test cocks are required.
- B. For 3/4" through 2" lines, the customer valve in the water meter box shall be eliminated.
- C. The mechanical backflow prevention assembly shall be installed subject to the approval of the County of San Luis Obispo Cross-Connection Inspector. Any deviation from this standard must receive approval by Cal Poly prior to installation.
- D. All mechanical backflow prevention assemblies approved by the County Cross-Connection Inspector for installation at the service connection have been evaluated and approved by the Foundation for Cross-Connection Control and Hydraulic Research, University of Southern California. These assemblies are only approved for the horizontal orientation, unless specifically evaluated and approved by the local Health Department for other orientations. Check with the local Health Department.
- E. Choice of type of backflow prevention assembly, i.e. reduced pressure principle or double check valve assembly, will be based on the degree of hazard as evaluated by the County Cross-Connection Inspector.
 - 1. Non-Residential Parcels - All domestic or irrigation services for non-residential parcels shall use a reduced pressure principle (RP) backflow preventer assembly.
 - 2. Multi-Family - Multi-family housing units having greater than 4 units, attached or detached, shall have an RP backflow prevention assembly.
 - 3. Non-Potable Irrigation - Non-potable irrigation systems using a pressure pump, including grey water system, shall install new RP backflow prevention assemblies to all water or irrigation water meters within the parcel.
 - 4. Single Family - Single family units within R1 Zones shall have backflow prevention device in accordance with the plumbing and building code.
- F. Backflow preventer shall be located within 10' of water meter and no connections or tees are allowed between the meter and the assembly.
- G. No wye strainers are allowed before the No. 2 shut off valve.
- H. See Engineering Standard 6210 for meter and service details up to 2".
- I. Riser pipes shall include unions for sizes 3/4" through 2".
- J. 3/4" - 2" RPB shall be lead free Zurn Wilkins 375XL Reduced Pressure Principle Backflow Preventer or approved equal. 4" - 10" RPB shall be lead free Wilkins model 375 or approved equal.
- K. Class 3 PCC pad, 4" thick, 12" minimum surrounding backflow preventer, on 4" class 3 base.
- L. Backflow preventer shall have 24" of separation from other devices perpendicular to the flow direction.

SCALE: N.T.S.

STANDARD CURRENT AS OF:	01/21/2020
APPROVED BY:	XX
NOTES:	



R.P. BACKFLOW PREVENTER

3/4" to 10"

6550