

STANDARDS FOR RECLAIMED WATER

IRRIGATION SYSTEM CONSTRUCTION

PRIVATE RECLAIMED WATER IRRIGATION SYSTEMS

1. When deemed necessary by the County, an approved backflow prevention device shall be installed, to the satisfaction of the County, immediately downstream of the meter. All aboveground piping shall be painted purple (Pantone Color #512) and a purple tag, with the wording “WARNING: RECLAIMED WATER - DO NOT DRINK” in English and Spanish, attached to the assembly (T. Christy Enterprises, Valve Identification Tag, ID-STD-P2-RC1P2 or approved equal).
2. All valve box covers for isolation valves, electrical control valves, pressure reducing valves, pressure regulating valves, quick coupler valves, and similar appurtenances shall be purple in color as supplied by the manufacturer and labeled “Reclaimed Water”. A purple tag, with the wording “WARNING: RECLAIMED WATER - DO NOT DRINK”, shall be attached to all valves (see above). All valve box covers will be capable of being bolted closed, bolts will be in place and secured.
3. All quick coupler valves shall have purple, lockable covers, i.e. Rain Bird 44NP or equal.
4. All irrigation controllers shall be labeled inside and outside warning that the system uses reclaimed water (T. Christy Enterprises, Controller Marking Decal, Part Number #4100 or approved equal).
5. All irrigation mains, any line upstream of an electrical control valve shall be purple plastic, or be encased in purple polyethylene bags labeled “CAUTION: RECLAIMED WATER LINE” at intervals no greater than 5 feet. If purple pipe or bags are not available, purple vinyl adhesive tape shall be attached to the pipe, continuously, in a longitudinal direction. The tape shall have the wording “CAUTION: RECLAIMED WATER LINE” at intervals of no more than 5 feet, have a minimum width of 3 inches, and be installed along the top of the pipe.

All laterals downstream of an electric control valve shall be purple plastic or have purple reclaimed warning tape placed on top of the pipe. This does not apply to flexible polyethylene tubing used in drip zones.

6. Purple, 3 inch warning tape, with wording “CAUTION: RECLAIMED WATER LINE BELOW”, shall be installed 12 inches above all irrigation mains.
7. Signage shall be posted, in obvious locations, at the entry to all properties, landscape islands, medians, and other use sites. Maximum spacing for roadway landscaping shall be determined by the Utility Services Division, however, will in no case exceed 500’. Signs shall have the wording “TREATED WASTEWATER EFFLUENT USED FOR IRRIGATION- DO NOT DRINK- AVOID CONTACT”. Minimum sign size shall be 8” X 12”, larger signs will be required at primary access points.
8. Reclaimed waterlines, including irrigation main lines, shall be treated as on-site sewer lines and all applicable separation from on-site waterlines maintained.
9. Direct connections between potable water piping and reclaimed water piping shall not exist under any condition with or without backflow protection per UPC (2003 edition) Section 603.3.5.
10. Hose bibs will not be installed on reclaimed water systems.