

STANDARDS FOR RECLAIMED WATER

IRRIGATION SYSTEM CONSTRUCTION

DEDICATED RECLAIMED WATER LINES

1. All construction shall conform to the Standard Specification for Public Works Construction (1996) and Washoe County Standards.
2. All reclaimed water lines constructed out of PVC or polyethylene 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 6 inches, and be installed along the top of the pipe. Reclaimed water lines constructed out of ductile iron shall be encased in purple polyethylene bags labeled “CAUTION: RECLAIMED WATER LINE” at intervals no greater than 5 feet.
3. Tracer wire shall be placed on top of bedding material prior to pipe installation. At 500 foot intervals, wire shall be extended into separate test stations consisting of risers and valve boxes. A minimum of 18 inches of wire shall be left at the top of the riser and connected with the appropriately sized wire nut. The tracer wire shall be placed under laterals, extended into the meter box and up to the meter cover. Wire shall be # 12 AWG, insulated, stranded copper. Prior to acceptance of the reclaimed waterline, the contractor shall perform a continuity test after backfilling the trench to the satisfaction of the Utility Services Division Inspector.
4. Purple warning tape, at least 3 inches in width, with wording “CAUTION: RECLAIMED WATER LINE BELOW”, shall be installed 12 inches above all pipe.
5. All covers for valve boxes, flush valves, pressure reducing stations, air/vac stations, and all other appurtenances requiring vaults or boxes shall be purple in color (Pantone Color #512) and labeled “RECLAIMED WATER” or “R.C.W.”. Purple coloration shall be obtained from the manufacturer or be applied by powder coating or epoxy paint. All appurtenances shall have a purple tag attached with the wording “WARNING: RECLAIMED WATER - DO NOT DRINK” in English and Spanish (T. Christy Enterprises, Valve Identification Tag, ID-STD-P2-RC1P2 or approved equal). A debris cap with purple coloration shall be installed inside of all round valve boxes.
6. 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).
7. All meter box covers shall be purple in color (see above) and a purple tag, with the wording “WARNING: RECLAIMED WATER - DO NOT DRINK” in English and Spanish, attached to the meter (T. Christy Enterprises, Valve Identification Tag, ID-STD-P2-RC1P2 or approved equal).
8. The minimum horizontal separation between parallel reclaimed waterlines and potable waterlines shall be 10 feet. When reclaimed waterlines cross potable waterlines, the reclaimed line shall be installed below the potable line. A minimum of 18 inches vertical separation shall be maintained from the bottom of a potable waterline to the top of a crossing reclaimed waterline. Reclaimed waterline pipe joints shall be kept as far away as possible from crossing potable waterlines.
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 .