

IRRIGATION DISTRIBUTION NOTES

1. PIPING SHALL BE INSTALLED WITH A MINIMUM OF 30 INCHES OF COVER ABOVE TOP OF PIPE.
2. IRRIGATION PIPE SHALL MEET THE FOLLOWING REQUIREMENTS:

 DISTRIBUTION MAIN AND SERVICES LOCATED IN BACKYARD EASEMENTS: CLASS 200 PVC, SDR 21 OR BETTER. GLUED JOINTS AND FITTINGS ARE ALLOWED ON PIPE SIZES LESS THAN 4 INCH. TWO PART GLUE AND PRIMER REQUIRED. PVC SCH 80 REQUIRED FOR SERVICES.

 DISTRIBUTION MAIN LOCATED IN CITY STREET RIGHT OF WAY: C900 PVC, DR18

 DISTRIBUTION SERVICES LOCATED IN CITY STREET RIGHT OF WAY: 1 1/4" OR 2" PE TUBING, AWWA C901-96 PE 3408 (CTS)DR9

 ALL PIPE SHALL BE PURPLE IN COLOR OR HAVE PURPLE STRIPE.
3. BACKFILL MATERIAL SHALL CONTAIN NO ROCK, ORGANIC MATTER OR MATERIALS LARGER THAN 6 INCHES. PIPE TO BE BEDDED FULL WIDTH OF TRENCH 4 INCHES BELOW BOTTOM OF PIPE AND 6 INCHES ABOVE TOP OF PIPE WITH APPROVED NATIVE OR IMPORTED BEDDING MATERIAL.
4. IDENTIFICATION TAPE SHALL BE INSTALLED 12 INCHES BELOW FINISHED GRADE OVER ALL PIPES LOCATED WITHIN PUBLIC STREET RIGHT-OF-WAY. TAPE SHALL BE 2 INCHES WIDE PLASTIC COATED ALUMINUM AND SHALL BE CLEARLY MARKED "CAUTION IRRIGATION LINE BURIED BELOW," CONTINUOUSLY ALONG THE LENGTH OF THE TAPE WITH MINIMUM 1/2 INCH LETTERS. TAPE SHALL BE PURPLE IN COLOR.
5. TRACER WIRE SHALL BE SECURED TO ALL UNDERGROUND IRRIGATION PIPING WITH DUCT TAPE AT 10 FOOT INTERVALS. WIRE SHALL BE 12 GAUGE PIPELINE TRACER WIRE (TYPE PTW) SINGLE STRAND. 8"-10" TAILS SHALL BE INSTALLED IN EVERY VALVE BOX. SEE DETAIL.
6. GATE VALVES SHALL HAVE A NON-RISING STEM GATE WITH AN "O" RING SEAL AND RESILIENT SEAL. THE OPERATOR SHALL BE A 2 INCH SQUARE NUT. ALL VALVES SHALL HAVE FLANGE OR MECHANICAL JOINT CONNECTIONS MEETING AWWA C-509 STANDARDS.
7. VALVE BOXES SHALL BE INSTALLED ON ALL VALVES. VALVE BOXES SHALL BE CAST IRON, TWO PIECE SLIP TYPE, PER MATERIAL LIST. VALVE BOX COVER SHALL HAVE "IRR" OR "IRRIGATION" STAMPED ON IT. 9" THICK, 24" DIAMETER CONCRETE COLLARS SHALL BE PLACED AROUND ALL VALVE BOXES LOCATED IN UNPAVED AREAS. SEE STANDARD DETAIL U4.
8. THRUST BLOCKS ARE REQUIRED AT ALL FITTINGS, EXCEPT TEES LEADING TO SINGLE SERVICE RISERS.
9. ALL FITTINGS 3 INCHES AND BELOW SHALL BE SOLVENT WELDED. ALL FITTINGS 4 INCHES AND ABOVE SHALL BE CAST IRON MEETING AWWA STANDARDS.
10. IRRIGATION SYSTEM SHALL BE PRESSURE TESTED AT 100 PSI, AND HELD FOR ONE HOUR WITH NO PRESSURE LOSS.



RESIDENTIAL IRRIGATION DISTRIBUTION NOTES

PUBLIC WORKS ENGINEERING	
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