ON-SITE RECYCLED WATER NOTES FOR RESIDENTIAL SITES

1. The installation of the recycled water system shall be accomplished under the approval, inspection, and to the satisfaction of the El Dorado Irrigation District (EID).

2. EID will inspect the construction of residential dual plumbed irrigation installations prior to backfilling. The District shall be notified two (2) working days in advance of the desired inspection date by the owner or owner’s representative at (530) 295–6873. In no case shall irrigation lines be backfilled before inspection by the District.

3. The homeowner shall be responsible for providing access to and cooperation with the District Inspector to perform all testing and inspections.

4. There shall be no direct connections between the potable and recycled water systems.

5. Recycled water shall not be used for any purpose other than landscape irrigation.

6. Hose bibs are prohibited on the recycled water system.

7. Water used in hose bibs shall be potable water and hose bibs shall be attached to the house.

8. The potable water system shall be protected by an approved backflow prevention assembly. No backflow prevention assembly is required on the recycled water service.

9. All potable water lines, including fill lines for water features, shall be connected to the potable water system using copper pipe.

10. A minimum of ten (10) feet horizontal separation must be maintained at all times between the constant pressure recycled and potable water lines. A minimum of one (1) foot vertical separation must be maintained at all times between the recycling and potable water lines with the recycled waterline below the potable.

11. Blue warning tape shall be placed over pipe in the trench of all pipe carrying potable water.

12. Purple warning tape shall be placed over pipe in the trench of all pipe carrying recycled water.

13. Recycled water piping shall be purple and identified as recycled water pipes by continuous marking on both sides. The markings shall include the following: "WARNING RECYCLED WATER – DO NOT DRINK", nominal pipe size, pressure rating, and ASTM designations.

14. All recycled water sprinkler control valves, isolation valves, regulators, and other devices shall be tagged. Identification shall be weatherproof purple plastic, 3-inches by 4-inches with the words "WARNING RECYCLING WATER – DO NOT DRINK". Imprinting shall be permanent and black in color. Use tags manufactured by T. Christy Enterprises or approved equal.

15. All spray heads shall be identified with weatherproof purple plastic rings or equivalent identification and adjusted to minimize overspray onto adjacent hardscapes.

16. After installation of the recycled and potable water service, a cross connection test and inspection of the irrigation system will be performed.

17. The Homeowner or contractor shall arrange with EID for a final irrigation system inspection. EID shall be notified two (2) working days in advance of the desired inspection date at (530) 295–6873. Modifications to the irrigation system may be required.

18. Failure to comply with any of the EID's Standards and Regulations may result in termination of recycled and/or potable water service.
## Irrigation Legend

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>• • •</td>
<td>Lawn Pop-Up Spray</td>
<td>4&quot; Pop-Up, 8' Radius</td>
</tr>
<tr>
<td>• • •</td>
<td>Lawn Pop-Up Spray</td>
<td>4&quot; Pop-Up, 12' Radius</td>
</tr>
<tr>
<td>▼ ▼ ▼</td>
<td>Shrub Pop-Up Spray</td>
<td>12&quot; Pop-Up, 8' Radius</td>
</tr>
<tr>
<td>+</td>
<td>Remote Control Valve</td>
<td>Rainbird DVF Series Electric Control Valve with recycled tags.</td>
</tr>
<tr>
<td></td>
<td>Pressure Regulating Valve</td>
<td>Wilkins 70 Series, 3/4&quot; Size</td>
</tr>
<tr>
<td>□</td>
<td>Controller</td>
<td>Exterior Mount with recycled label.</td>
</tr>
<tr>
<td>□</td>
<td>Potable Water Hose Bib Valve</td>
<td></td>
</tr>
<tr>
<td>×</td>
<td>Potable Water Hose Bib Valve</td>
<td></td>
</tr>
<tr>
<td>---</td>
<td>Recycled Water Mainline</td>
<td>Schedule 40 Purple PVC Pipe, size per plan</td>
</tr>
<tr>
<td>---</td>
<td>Potable Water Mainline</td>
<td>Schedule 40 White PVC with 3&quot; caution tape</td>
</tr>
<tr>
<td>---</td>
<td>Recycled Water Lateral</td>
<td>Class 200 Purple PVC Pipe, size per plan</td>
</tr>
<tr>
<td>---</td>
<td>Recycled Water Sleeving</td>
<td>2&quot; Schedule 40 Purple PVC Pipe</td>
</tr>
<tr>
<td>---</td>
<td>Potable Copper Water Pipe</td>
<td></td>
</tr>
</tbody>
</table>

### Notes
1. Installation of recycled water irrigation system shall be in conformance with EID on-site design and construction standards.
BACKYARD
HOSE BIB ON POTABLE WATERLINE.

RESIDENCE

FRONTYARD

STREET

IRRIGATION MAINLINE TO BACKYARD
IRRIGATION CONTROL VALVE MANIFOLD FOR BACK YARD
BACK YARD IRRIGATION CONTROLLER
FRONT YARD IRRIGATION CONTROLLER
P.O.C. TO BACK YARD IN LOCKED PLASTIC BOX
IRRIGATION CONTROL VALVE MANIFOLD FOR FRONT YARD
RECycled WATER IRRIGATION MAIN, TYP. MAINTAIN 10 FEET MINIMUM HORIZONTAL SEPARATION FROM ALL POTABLE WATER PIPING.

BACKFLOW PREVENTION DEVICE
POTABLE WATER METER
PRESSURE REDUCING VALVE

RECycled WATER METER
PRESSURE REDUCING VALVE
SEWER SERVICE

EL DORADO IRRIGATION DISTRICT
RESIDENTIAL DUAL PLUMBED SERVICE

DRAWN BY A.URTEAGA
SCALE NONE
REVISION
DATE

APPROVED B. MUELLER
DATE 09/09

DRAWING NO. OSR3
NOTES:
1. THIS EXAMPLE OF AN IRRIGATION PLAN SUBMITAL REPRESENTS THE MINIMUM PLAN SUBMITAL REQUIREMENT.
2. IRRIGATION LEGEND SHALL BE INCLUDED ON THE PLAN. SEE NEXT PAGE FOR EXAMPLE OF IRRIGATION PLAN LEGEND.

COPPER FILL LINE TO POOL
POTABLE WATER HOSE BIB: CONNECTION FOR POOL/WATER FEATURE FILL LINE (COPPER PIPE REQUIRED)

PRESSURE REDUCING VALVE IN VALVE BOX
BACKFLOW PREVENTION DEVICE IN VALVE BOX
POTABLE WATER METER

STREET

EL DORADO IRRIGATION DISTRICT
TYPICAL HOUSE IRRIGATION LAYOUT
CONSTRUCTION NOTES

1. PLACE VALVE BOX AT RIGHT ANGLES TO STRUCTURES OR HARDSCAPING

2. INSTALL VALVE BOX SO THAT TOP OF VALVE BOX IS FLUSH WITH ADJACENT HARDSCAPING.

3. GATE VALVE AND FITTINGS SHALL BE LINE SIZE UNLESS NOTED OTHERWISE.

### ITEM # DESCRIPTION

<table>
<thead>
<tr>
<th></th>
<th>METER BOX 12&quot;x20&quot; CONCRETE BOX &amp; STEEL LID</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>BALL VALVE, SUPPLIED WITH BACKFLOW PREVENTER BY MANUFACTURER.</td>
</tr>
<tr>
<td>3</td>
<td>DOUBLE CHECK BACKFLOW PREVENTER</td>
</tr>
<tr>
<td>4</td>
<td>BRASS ADAPTOR, TYP.</td>
</tr>
<tr>
<td>5</td>
<td>BRASS UNION DOWNSTREAM OF VALVE</td>
</tr>
</tbody>
</table>

EL DORADO IRRIGATION DISTRICT

POTABLE WATER DOUBLE CHECK VALVE FOR DUAL PLUMBED HOMES

DRAWN BY
A. URTEGA

SCALE
NONE

REVISION
DATE

8" EID STANDARD DRAWING NO.

APPROVED
B. MUELLER

DATE
09/09

OSR5
NOTES
1. SLEEVES UNDER CONCRETE ARE RECOMMENDED. USE SCH 40 PURPLE PVC FOR SLEEVES AND EXTEND SLEEVES 12" BEYOND EDGE OF PAVING AT BOTH ENDS.
2-1/2" IN SOD IN PLANTING BEDS

NOTES

1. ATTACH DOUBLE SIDED IDENTIFICATION TAGS LABELED IN ENGLISH AND SPANISH: "WARNING – RECYCLED WATER DO NOT DRINK".

PURPLE PLASTIC VALVE BOX WITH BOLT DOWN COVER, AND BOX EXTENSION IF REQ.

PIC TAIL EXPANSION LOOP (MIN. 18")

ELECTRIC CONTROL VALVE (NON ANTI-SIPHON)

RECYCLED WATER IDENTIFICATION TAG

CONTROL & COMMON WIRES

FINISH GRADE BEFORE PLANTING

SCH 40 PVC MALE ADAPTOR, TYP.

SCH 80 PVC UNION DOWNSTREAM OF VALVE.

PURPLE CONSTANT PRESSURE TO 24" MIN. DEPTH AS REQ'D.
NOTES:
1. CONTROL WIRING (AWG. UF #14). SECURE TO TERMINAL STRIP PROVIDED IN ENCLOSURE.

2. COMMON WIRE TO BE WHITE & CONTROL WIRE TO BE RED. BUNDLE AND TAPE WIRING AT INTERVALS OF 10'-0" O.C.

3. NO SPLICES TO BE MADE BETWEEN CONTROLLER AND VALVE.

4. INSTALL CONTROLLER MARKING STICKER: "ATTENTION – CONTROLLER UNIT FOR RECYCLED WATER" ATTACH STICKER INSIDE CONTROLLER CABINET DOOR.