TYPICAL PVC WATER OR IRRIGATION TRENCH SECTION (PIPE DIAMETER 3" OR LARGER)

1. CONTRACTOR SHALL VERIFY EXISTING UTILITIES BY POHOLING PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY CONFLICTS OR DISCREPANCIES.
2. CONTRACTOR SHALL VERIFY EXISTING UTILITIES BY POHOLING PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY CONFLICTS OR DISCREPANCIES.
3. CONTRACTOR SHALL VERIFY EXISTING UTILITIES BY POHOLING PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY CONFLICTS OR DISCREPANCIES.
4. CONTRACTOR SHALL VERIFY EXISTING UTILITIES BY POHOLING PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY CONFLICTS OR DISCREPANCIES.
5. CONTRACTOR SHALL VERIFY EXISTING UTILITIES BY POHOLING PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY CONFLICTS OR DISCREPANCIES.
6.kovs

GENERAL DEMOLITION NOTES

1. POST-CONSTRUCTION SURVEYS WILL BE CONDUCTED TO VERIFY THE EXISTENCE OF UNDERGROUND UTILITIES AND STATUS OF THE EXISTING UTILITIES. CONTRACTOR SHALL VERIFY EXISTING UTILITIES BY POHOLING PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY CONFLICTS OR DISCREPANCIES.
2. CONTRACTOR SHALL VERIFY EXISTING UTILITIES BY POHOLING PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY CONFLICTS OR DISCREPANCIES.
3. CONTRACTOR SHALL VERIFY EXISTING UTILITIES BY POHOLING PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY CONFLICTS OR DISCREPANCIES.
4. CONTRACTOR SHALL VERIFY EXISTING UTILITIES BY POHOLING PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY CONFLICTS OR DISCREPANCIES.
5. CONTRACTOR SHALL VERIFY EXISTING UTILITIES BY POHOLING PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY CONFLICTS OR DISCREPANCIES.
6. CONTRACTOR SHALL VERIFY EXISTING UTILITIES BY POHOLING PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY CONFLICTS OR DISCREPANCIES.

EXISTING UTILITY NOTES

1. CONTRACTOR SHALL VERIFY EXISTING UTILITIES BY POHOLING PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY CONFLICTS OR DISCREPANCIES.
2. CONTRACTOR SHALL VERIFY EXISTING UTILITIES BY POHOLING PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY CONFLICTS OR DISCREPANCIES.
3. CONTRACTOR SHALL VERIFY EXISTING UTILITIES BY POHOLING PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY CONFLICTS OR DISCREPANCIES.
4. CONTRACTOR SHALL VERIFY EXISTING UTILITIES BY POHOLING PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY CONFLICTS OR DISCREPANCIES.
5. CONTRACTOR SHALL VERIFY EXISTING UTILITIES BY POHOLING PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY CONFLICTS OR DISCREPANCIES.
6. CONTRACTOR SHALL VERIFY EXISTING UTILITIES BY POHOLING PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY CONFLICTS OR DISCREPANCIES.

CONTROL TABLE

<table>
<thead>
<tr>
<th>PROPOSED</th>
<th>PCW CHARACTERIZATION</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
DEMOLITION NOTES

1. Remove existing waterline at points of connection and abandon in place per Ventura County Waterworks Standard Plate W-16.
2. Remove existing irrigation line at points of connection and abandon in place per Ventura County Waterworks Standard Plate W-16.
3. Place new duct to proposed utility trench limits as shown per plans and details "B" and "C" as sheet 1, club plan 12" beyond existing limits to a minimum depth of 3'.
4. Remove existing pressure reducing valve. Contractor shall responsibly dispose of material.
5. Cut existing irrigation mainline at points of connection and remove existing irrigation mainline. Contractor shall responsibly dispose of material.
6. Cut existing waterline at points of connection and remove existing waterline. Contractor shall responsibly dispose of material.
7. EASEMENT LEGEND
   - Existing 15' right-of-way extending in favor of Ventura County Waterworks for purposes of firewater line.

EASEMENT LEGEND

- Existing 15' right-of-way extending in favor of Ventura County Waterworks for purposes of firewater line.
VENTURA COUNTY WATERWORKS DISTRICT NO. 1, 17, 19, & 38
ADOPTED BOARD OF SUPERVISORS
DATE: OCTOBER 2017
WATER CONSTRUCTION STANDARDS

CUT-IN TEE FOR PVC, AC, AND DI PIPE

NOTES:
1. WATER MAINS IN PUBLIC STREETS SHALL BE LOCATED PARALLEL TO AND 5 FT NORTH OR WEST OF THE CENTER LINE OF THE STREET.
2. WRAP ALL METALLIC APPURTEANCES WITH 10 MIL POLYETHYLENE ENGAGEMENT PER VCWWD CONSTRUCTION STANDARDS.
3. SEE PLATE NO. 19 FOR ANCHOR BLOCKS AND THRUST BLOCK DETAILS.
4. SEE PLATE NO. 2 FOR VALVE BOX DETAILS.
5. COUPLINGS SHALL BE A MINIMUM OF 18" AWAY FROM ANY SERVICE OR APPURTEANCE.
CONSTRUCTION NOTES:

1. IDENTIFICATION WIRE TO BE BARED AND ATTACHED MECHANICALLY TO TEE, VALVE AND TOP OF VALVE STACK.

2. IF DEPTH FROM VALVE BOX TO THE TOP OF VALVE OPERATING NUT IS GREATER THAN 42", A 6" DIA., SDR-35 VALVE BOX EXTENSION SHALL BE INSTALLED (MIN. 12" OR GREATER).

3. VALVE COVER SHALL HAVE, "WATER" FOR POTABLE WATER AND RECYCLED WATER SHALL HAVE, "RECYCLED WATER, DO NOT DRINK - NO TOMAR" IN RAISED LETTERS. RECYCLED WATER COVERS SHALL BE PAINTED PURPLE.

4. 1 1/4" SQUARE SOLID STEEL STOCK FOR VALVE STEM EXTENSION.

5. PROVIDE ADEQUATE SLOT IN PIPE RISER TO ACCOMMODATE TRACER WIRE.

6. PROVIDE 24" DIA. X 6" THICK CONCRETE COLLAR.

* CURRENT MATERIALS LIST IS AVAILABLE AT THE DISTRICT OFFICE.
DETAIL FOR CUTTING AND PLUGGING
ABANDONED WATER MAINS

NOTES:
1. FOR PIPES SMALLER THAN 4” – CRIMP ENDS AND ABANDON IN PLACE
NOTES:
1. USE DUCTILE IRON (RETAINER TYPE) MECHANICAL JOINT
2. USE DUCTILE IRON PIPE, CLASS 350 THROUGHOUT.
3. SEPARATION DISTANCE IS DETERMINED BY THE TYPE OF
   OBSTRUCTION BEING CROSSED, REFER TO STATE WATER
   RESOURCE CONTROL BOARD WATER AND SEWER SEPARATION
   REQUIREMENTS.
4. SEE PLATE NO. W-1 FOR TRENCH DETAILS.
5. AIR RELEASE AND VACUUM BREAKER VALVE AND/OR
   BLOW-OFF MAY BE REQUIRED AT THE DISTRICT'S
   DISCRETION.
6. CURRENT MATERIAL LIST IS AVAILABLE AT THE DISTRICT
   OFFICE.
7. PIPE SHALL BE WRAPPED WITH POLYETHYLENE CASING (10
   MIL.).

CONSTRUCTION NOTES:
1. INSTALL ANCHOR BLOCK PER STD. PLATE NO. 19 (TYP. 2 PLACES).
2. INSTALL THRUST BLOCK PER STD. PLATE NO. 19 (TYP. 2 PLACES).
3. INSTALL 45° ELBOW, MJ X MJ WITH RESTRAINER GLAND (TYP. 4
   PLACES).
4. LENGTH PER STATE WATER RESOURCE CONTROL BOARD
   REQUIREMENTS.
THRUXT BLOCKING

END OF LINE

#4 REINFORCING BARS IMBEDDED 6" MIN (SEE NOTE 7)

AREA OF THRUST DEVICE TO BE APPROVED BY THE DISTRICT ENGINEER FOR THIS TYPE OF APPLICATION

ANCHOR BLOCK

NOTES:
1. BEARING AREA SHOWN ABOVE BASED ON SOIL CONSISTING OF SAND AND GRAVEL CEMENTED WITH CLAY — SAFE BEARING LOAD = 2000 PSF.
2. FOR SOFT CLAY MULTIPLY AREA X 4.0. FOR SAND MULTIPLY AREA X 2.0.
3. FOR SAND AND GRAVEL MULTIPLY AREA X 1.5. FOR SHALE, SANDSTONE, OR CONGLOMERATE MULTIPLY AREA X 0.4.
4. IN NO CASE SHALL THE THRUST BLOCK CONTAIN LESS THAN 3 CUBIC FEET OF CONCRETE. THRUST BLOCK SHALL BEAR ON UNDISTURBED EARTH.
5. DO NOT INTERPOLATE BEARING AREA FOR FITTINGS NOT SHOWN.
6. ANCHOR IS NOT REQUIRED FOR 6" VALVES OR SMALLER.
7. COAT REBAR WITH APPROVED BITUMATIC COMPOUND.
8. FOR FLANGED AND MECHANICAL VALVES, KEEP CONCRETE OFF BOLTS.
9. CONCRETE SHALL BE 500-C-2500PPC.
10. RESTRAIN ALL JOINTS FOR SLOPES 30 DEGREES OR STEEPER.
11. DEAD ENDS SHALL HAVE A 3" PUP WITH AN MJ CAP.
12. THRUST BLOCK BEARING AREA BASED ON 225 PSI LINE PRESSURE WITH 3'-0" COVER MINIMUM.