



**BILL OF MATERIALS:**

1. THRUST BLOCK PER W-27.
2. TAPPING SLEEVE (SEE NOTES BELOW).
3. GATE VALVE SHALL BE FLANGE BY FLANGE. IF FL x RT USE TAPPING VALVE WITH THRUST BLOCK.
4. VALVE BOX PER W-23.

**TYPE OF TAPPING SLEEVES TO BE USED**

AC PIPE: 4"-12" H-619 MUELLER MJ.  
 ALL PIPE MATERIAL EXCEPT COATED STEEL PIPE: 12"-30" SMITH-BLAIR 622 CARBON STEEL TAPPING SLEEVE.  
 CAST IRON PIPE: 4"-24" H-615 MUELLER MJ.  
 DUCTILE IRON PIPE: 4"-24" H-615 MUELLER MJ.  
 PVC C900 PIPE: 4"-12" H-615 MUELLER MJ.  
 ALL CEMENT-COATED STEEL CYLINDER PIPE: KOPPL PIPELINE SERVICES FABRICATED TAPPING SLEEVE ONLY.  
 INSTALLED AND TAPPED BY KOPPL PIPELINE SERVICES OR INTERNATIONAL FLOW TECHNOLOGIES.

**NOTES:**

1. PIPE, FITTINGS, VALVES, AND NUTS & BOLTS WILL BE COATED AND WRAPPED PER SECTION 2.12.
2. NO SIZE-ON-SIZE HOT TAPS WILL BE PERMITTED.
3. FOR 3" HOT TAPS, USE A 4" TAPPING SLEEVE AND REDUCER.
4. HOT TAPS ON PIPES OVER 30" SHALL BE SUBMITTED FOR REVIEW AND APPROVAL.
5. NO WELD-ON NOZZLES WILL BE PERMITTED.

Revision	By	Approved	Date
11/07/00	kal		
08/06/04	AC		
06/04/07	AC		
01/04/16	MU		
07/01/17	SM		08/01/17

**CITY OF OCEANSIDE**

**STANDARD HOT-TAP  
CONNECTION, 3" & LARGER**

*Steven E. Strapac* 9/17/17  
 CITY ENGINEER Date

STANDARD DRAWING NO. **W-7**