

MAXIMUM DIRECT TAP SIZING TABLE (IN)				
PIPE DIA. (IN)	DIP PRESSURE CLASS			
	150	200	300	350
6				3/4
8				1
10				1
12				1
14		1	1	1-1/4
16		1-1/4	1-1/4	1-1/4
18		1-1/4	1-1/4	1-1/2
20		1-1/2	1-1/2	1-1/2
24	1-1/2	1-1/2	1-1/2	1-1/2

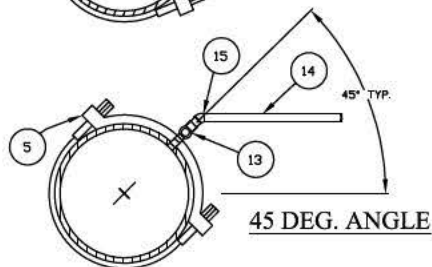
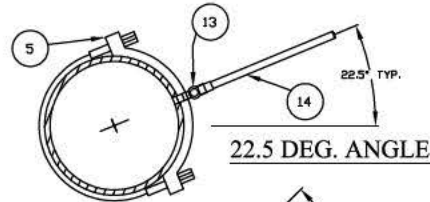
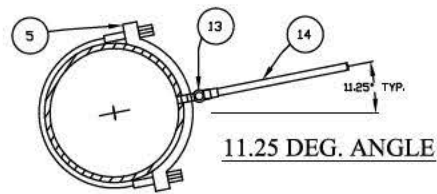
SERVICE INSTALLATION NOTES:

1. DETAILS 3, 4 & 6; BRASS SERVICE CLAMPS. BRASS ALLOY 85-5-5-5 AS PER ASTM B-62 & AWWA C800.
2. OUTLETS SAME SIZE AS SERVICE LINE, TYP.
3. DETAIL 6. REPLACE MORTAR COATING ON MAIN AND COAT ENTIRE COUPLING TO CORP STOP BASE. DO NOT COAT CORP STOP.
4. DETAIL 6. INSERT TEMPORARY SCREW PLUG IN COUPLING PRIOR TO WELDING.
5. INSTALL SERVICE CONNECTION (CORPORATION STOP) IN ACCORDANCE WITH FIGURE AND MATERIAL USED IN MATERIALS TABLE ON THIS SHEET AND PER MANUFACTURER'S RECOMMENDATIONS.
6. THE MANUFACTURER AND STOCK NUMBER LISTED IN THE MATERIAL LIST ARE FOR CONVENIENCE IN DESIGNATION. SUBSTITUTION MAY BE MADE WITH THE APPROVAL OF THE DISTRICT.
7. FOR 2" SERVICE CONNECTION AND MAIN SIZE 4" OR LESS AND FOR SERVICES LARGER THAN 2" INSTALL TEE.
8. INSTALL CORP STOPS WITH OPERATION NUT PARALLEL TO MAIN.
9. ADDITIONAL TYPES OF CONNECTION MAY BE APPROVED BY DISTRICT PROVIDED A DETAILED DRAWING IS SUBMITTED, INCLUDE TYPE AND MODEL NUMBERS OF MATERIAL ON DRAWING SUBMITTAL.
10. DIRECT TAPS ONLY ALLOWED ON DIP AND ONLY WITH PRIOR WRITTEN APPROVAL OF THE SJWD ENGINEERING MANAGER.
11. SERVICE TAP ANGLE SHALL BE PRE-APPROVED BY SJWD BEFORE TAPPING.

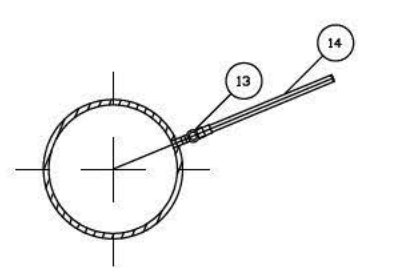
MATERIALS - LIST	
ITEM	DESCRIPTION
1	1" COUPLINGS
2	1 1/2" COUPLINGS
3	2" COUPLINGS
4	2 1/2" COUPLINGS
SERVICE SADDLES	
5	2 STRAP FOR D.I., A.C. PIPE, AND STEEL MAINS JAMES JONES J979 OR EQUIV.
6	SADDLE FOR PVC MAINS JAMES JONES J996 OR EQUIV.
BRASS BUSHINGS (WHEN NEEDED)	
7	1" x 2"
8	1" x 1-1/2"
9	1-1/2" x 2"
10	2" x 2-1/2"
11	BRASS OR STAINLESS STEEL SADDLE BODY 5" +, WITH SJWD APPROVED INSERT
12	JOINT WRAPPER W/ CEMENT MORTAR
13	CORPORATION STOP SAME SIZE AS SERVICE LINE
14	SERVICE LINE 1" IPS 1-1/2"&2" CTS
15	45 DEG. ELBOW, SAME SIZE AS CORP. STOP

DIRECT TAP NOTES:

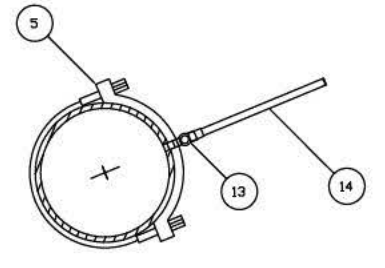
- A. DIRECT TAPS ONLY ALLOWED UNDER SPECIAL CONDITIONS WITH SJWD PRE-APPROVAL (SEE NOTE 10).
- B. INSTALL DOUBLE STRAP SERVICE TAP SADDLE ON ALL 2-IN AND LARGER SERVICES.
- C. 1" TAP, WHEN APPROVED, ONLY ALLOWED ON THICKNESS CLASS 53 (MIN.) 6-IN DIP.
- D. 1-1/2" TAP, WHEN APPROVED, ONLY ALLOWED ON THICKNESS CLASS 56 (MIN.) 6-IN DIP.
- E. INSTALL DIRECT TAPS, WHEN ALLOWED, PER AWWA C800 AND C151 AND AS MODIFIED HEREIN.



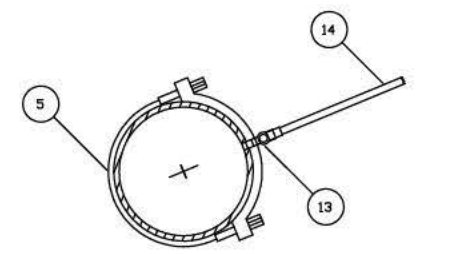
DETAIL - SERVICE TAP ANGLES (EXAMPLE USING SADDLE TAP)



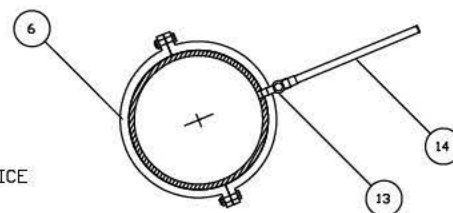
DUCTILE IRON MAINS
(THREADED TAP - WHEN ALLOWED)



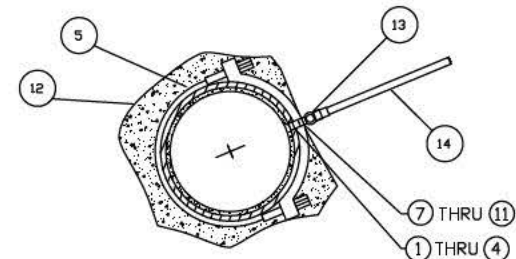
DUCTILE IRON MAINS
(SADDLE TAP)



ASBESTOS CEMENT MAINS



PVC MAINS



CEMENT MORTAR COATED STEEL MAINS



NOTE - IN ALL CASES THE SERVICE CONNECTION TAP ANGLE TO BE CONFIRMED WITH SJWD CONSTRUCTION INSPECTOR OR ENGINEER PRIOR TO INSTALLATION

DISTRIBUTION MAIN SERVICE CONNECTIONS 1" THRU 2"
SAN JUAN WATER DISTRICT



APPROVED

SCALE: NTS PRINT DATE: 02/01/13 DETAIL NO. SHT 7 OF 27

NO	DATE	REVISIONS	APP	BY