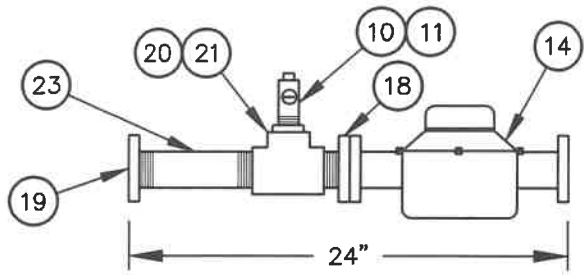


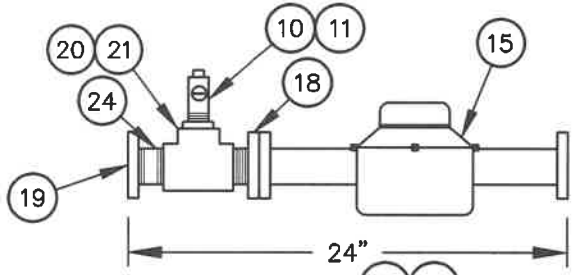
Notes:

1. The water service shall extend perpendicular to street center line except in cul-de-sacs, and the tap shall be at least 24" from any adjacent joint or service.
2. Meter (cubic feet register) to be set for curbside reading. May be purchased from the City (See Section 4-12)
3. All bolts and nuts to have electrodeposited coatings of zinc, bolts must be 5/8" X 3"L.
4. A traffic load rating cover shall be used in areas without curb, in areas with rolled curb, or where the meter is located within 7 feet of the BCR, ECR or a driveway approach.
5. Meter box cover to be flush with the finished grade in concrete, and 1/2" above grade in landscaped areas. Meter boxes shall be a minimum of 8" clear from adjacent meter boxes, and 7 feet clear from top of "X" of driveway approaches and sidewalk access ramp. Do not notch out meter box extension. Customer plumbing shall exist under bottom of extension.
6. Meter boxes and vaults shall be constructed of straight wall polymer concrete. Where required, meter boxes shall have traffic loaded rating covers. All covers that are exposed to foot traffic shall have a slip resistance surface that meets the American with Disabilities Act's slip resistance requirements. Contractor is responsible for selecting a meter box or vault that is sized appropriately to accommodate all required water materials specified in Standard Drawings. The meter lid must include a properly sized cut-out to fit a Sensus Model 520M radio transceiver. Contractor is required to submit said meter box or vault to the City for review and approval prior to installation.
Approved Manufacturer
 Armorcast Products Company
 DFW Plastics, Inc.
7. For domestic/fire combination service installations, see Standard Drawing 413.
8. See Section 4-12 for meter requirements. Prior to installation the contractor is required to submit the proposed meter to the City of Norco for review and approval. Meters can be purchased from the City per the City's fee schedule.

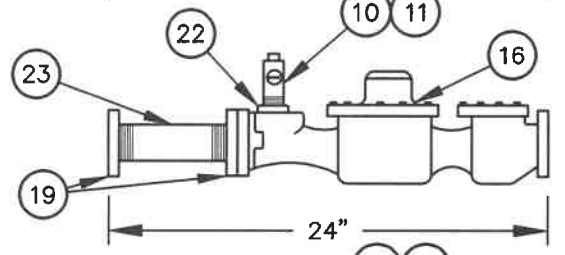
<p>REVISED</p> <p>DATE <u>01-19-22 BW</u></p> <p><u>03-24-22 BW</u></p>	<p>CITY OF NORCO</p> <p>PUBLIC WORKS DEPARTMENT – WATER UTILITY</p>	<p>DRAWN <u>SJN</u></p> <p>DATE <u>12-6-16</u></p>
<p>2" WATER SERVICE INSTALLATION</p>		<p>STD. NO.</p> <p>412</p>
<p>APPROVED _____</p> <p>DIRECTOR OF PUBLIC WORKS</p>		<p>DATE <u>3/30/22</u></p> <p>1 of 3</p>



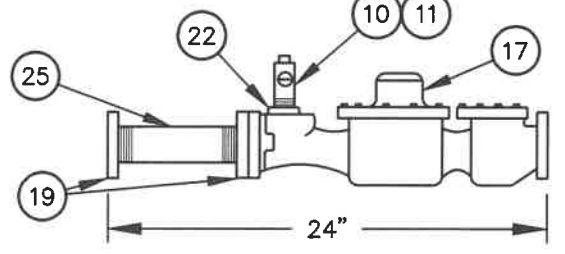
1 1/2" Disc Meter



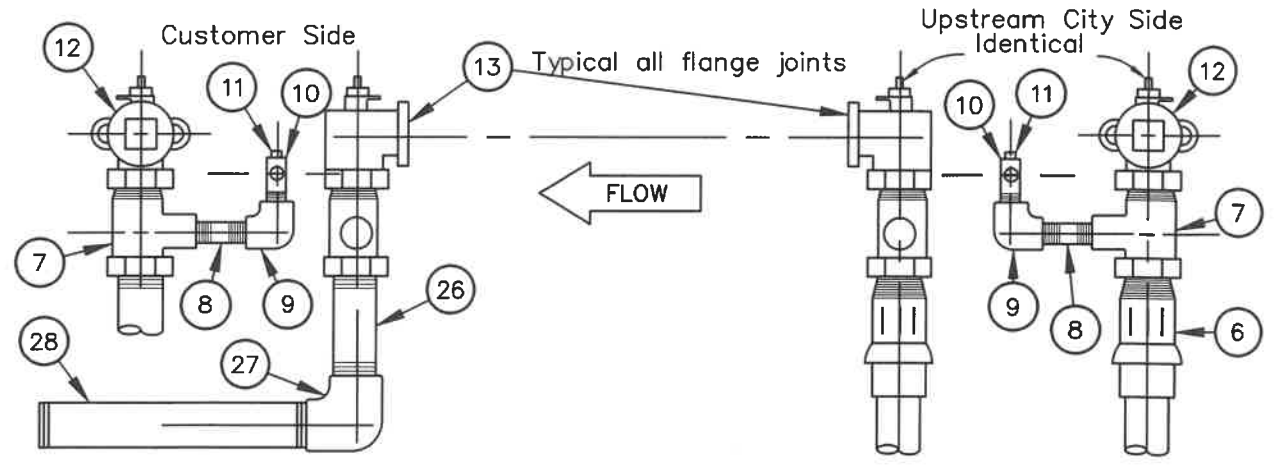
2" Disc Meter



2" Turbo Meter



2" Compound Meter



REVISED DATE <u>01-19-22 BW</u> <u>03-24-22 BW</u> 	CITY OF NORCO PUBLIC WORKS DEPARTMENT – WATER UTILITY		DRAWN <u>SJN</u> DATE <u>12-6-16</u>
	2" WATER SERVICE INSTALLATION		STD. NO. 412 2 of 3
APPROVED _____ DIRECTOR OF PUBLIC WORKS	DATE <u>3/30/22</u>		

List of Materials

Item	Descriptions	Ford	Jones	A.Y. McDonald	Mueller
1	2" bronze double strap service saddle, F-IPT.	202BS	J-979	3826	BR2B
1A	2" bronze double strap service saddle, F-IPT (for PVC/HDPE).	S902	J-969	3856	BR2S
2	2" corporation stop, IPT. X compression.	FB110-7-NL	J-1935SG	4704BT	B-25028
3	2" copper pipe, type K soft drawn.				
4	2" copper coupling with stop -- Use 95% silver solder only. Use when horizontal run of service exceeds 20 ft.				
5	2" - 90° copper elbow -- use 95% silver solder only.				
6	2" brass coupling, M-IPT X compression.	C84-77-G	J2605SG	4753T	H-15428
7	2" X 1" Tee: F-IPTxM-IPTx1" F-IPT.	T181-774	-	-	-
8	1" X 3"L brass nipple, IPT.				
9	1" - 90° brass elbow, F-IPT.				
10	1" brass ball valve with locking ears, <u>less stop.</u>	B81-444WR M-IPTxF-IPT	J-1900W	-	B-20200-3 F-IPTxF-IPT w/ close brass nipple
11	1" brass plug, IPT.				
12	2" angle ball valve, F-IPT X oval flange with slotted holes and locking ears.	BFA13-777WR	-	4614B	B-24286-3
13	1/8" full face cloth or drop-in inserted rubber flange gasket.				
14	1-1/2" disc meter (see Section 4-12).	Meter type to be approved by the City prior to installation (see section 4-12)			
15	2" disc meter (see Section 4-12).				
16	2" turbo meter (see Section 4-12).				
17	2" compound meter (see Section 4-12).				
18	2" X 2" brass flange M-IPT X oval flange with slotted holes.	CF38-77-1937	J-129-M	610M (2"x1-15/16")	-
19	2" X 2" brass flange F-IPT X oval flange with slotted holes	CF31-77	J-129	610F	-
20	2" brass tee, F-IPT.				
21	2" X 1" brass bushing, IPT.				
22	1-1/2" X 1" brass bushing, M-IPT X F-IPT.				
23	2" X 6"L brass nipple, IPT.				
24	2" X 2"L brass nipple, IPT.				
25	2" X 7-1/2"L brass nipple, IPT.				
26	2" X 10"L brass nipple, IPT.				
27	2" - 90° brass elbow, F-IPT.				
28	2" X 12"L brass nipple, IPT.				
29	Meter box (see Section 4-10.06).				
30	1/2" crushed rock, 8" base.				

REVISED DATE 01-19-22 BW 03-24-22 BW _____ _____	CITY OF NORCO PUBLIC WORKS DEPARTMENT - WATER UTILITY <h2 style="margin: 0;">2" WATER SERVICE INSTALLATION</h2>	DRAWN <u>SJN</u> DATE <u>12-6-16</u> STD. NO. 412 3 of 3
APPROVED _____ DIRECTOR OF PUBLIC WORKS	DATE <u>3/30/22</u>	