



NOTE TO DEVELOPER:

1. KEEP METER & BACKFLOW INSTALLATION PLUMB AND LEVEL.



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 Revised Date: **NOVEMBER 2017**

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 Director of
 Water and Sewer Utilities

CITY OF SANTA CLARA
 WATER AND SEWER UTILITIES - STANDARD NO. 6

1 1/2" AND 2" WATER SERVICE WITH RP

Standard No. 6 – 1 1/2” and 2” Water Service with RP – Material List

Domestic Products Only. Use no lead products for domestic water services.

Coat above ground water service with Dunn Edwards Paint #10-L, 11-789-04 Santa Clara Mission Sand, Syn Lustró

Material	Description	Manufacturer	Model
1. Tapping Saddle	For PVC C900, bronze saddle, specified pipe size x 2” AWWA/CC Tap	Ford	202BS
	For ductile iron, cast iron, AC pipe: double strap bronze, specified pipe size x 2” AWWA/CC Tap	Ford	102B
		Mueller	BR2B
2. Corporation Stop	2” AWWA/CC thread inlet x compression outlet	Mueller	B-25008N
		Ford	FB-1000-7-G-NL
For locations requiring insulated corporation stops, use Mueller N-35008 insulated corp ball valve			
3. Copper Tubing	2” ASTM B88, type K. Straight lengths. No rolled copper.		
4. Polywrap	Blue. 8 mil low density or 4 mil high density polyethylene film installed per AWWA C105. Tape the end to main.		
5. Pipe Marking Tape	Blue. 3” wide, 4 mil, non-detectable.		
6. 2” 90 Degree Elbow	Copper sweat joint or Pack joint 90 compression fittings		
7. Angle Meter Stop	2” Compression inlet x meter flange outlet with 316 stainless steel bolt, nuts, and washers.	Ford	BFA43-777W-G-NL
		Mueller	B-24276N
8. Meter Flange	2” brass to be slotted to accept 1-1/2” or 2” meters	Ford	CF31-77
	1-1/2” meter – use 1/8” thick, 2-hole full face gasket EPDM rubber with 5/8” x 2-1/2” hex head, 316 stainless steel bolts, nuts, and washers	Calpico Style 60	1-1/2”
	2” meter – 1/8” thick, 2-hole full face gasket EPDM rubber with 3/4” x 2-1/2” hex head, 316 stainless steel bolts, nuts, and washers	Calpico Style 60	2”
9. Copper Adapter	2” MIP x sweat joint		
10. Nipple	2” Type L rigid copper tubing; riser length to suit		
11. Valve Box with Lid	Lid marked "Water" or "Water Meter"	Christy	G5 with lid marked "Water"
12. 90 Degree Street Elbow	Brass		
13. Water Meter & Register (manufacturer's test results are to be submitted with all meters).	Provide Elster transmitter compatible encoded register with Nicor connector. All registers to be facing inlet and provide cubic feet reading. Use 316 stainless steel bolts to fit meter.		
	1-1/2" meter and register.	Sensus	Omni R2
		Badger	E-SERIES
	2" meter and register.	Sensus	Omni R2
Badger		E-SERIES	
14. Close Nipple	Brass		
15. 2" Ball Valve	supplied with RP		
16. Reduced Pressure Back Flow Prevention Device	Includes ball valves; 3 - 1/4" Standard pipe thread. 3 - 1/4" SAE flare test cock fittings.	Wilkins	975XL (no lead)