



**NOTE TO DEVELOPER:**

1. KEEP METER & BACKFLOW INSTALLATION PLUMB AND LEVEL.

Updated Date: 05/17/2018



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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. 3

**1" WATER SERVICE WITH RP**

**Standard No. 3 - 1” 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 1” AWWA/CC Tap	Ford	202BS
	For ductile iron, cast iron, ACP: single strap bronze, specified pipe size x 1” AWWA/CC Tap	Ford	101B
		Mueller	BRIB
2. Corporation Stop	1” AWWA/CC thread inlet x compression outlet	Mueller	B-25008N
		Ford	FB-1000-4-G-NL
For locations requiring insulated corporation stops, use Mueller N-35008 insulated corp ball valve			
3. Copper Tubing	1” ASTM B88, type K soft rolled tubing		
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. Valve Box with Lid	Lid marked "Water" or "Water Meter"	Tyler Union	G5 with lid marked "Water"
7. Angle Meter Stop	1” Compression inlet x FIP outlet.	Ford	BA41-444 W-G-NL
		Mueller	B-24258N
8. Meter Coupling	1” Brass. Include gaskets.	Ford	B11-444 W
		Mueller	H-10871N
9. 1" Copper Adapter	MIP x sweat joint (SJ)		
10. 1" Nipple	Type L rigid copper tubing; riser length to suit		
11. 1" 90 Degree Elbow	Copper sweat joint		
12. 1" 90 Degree Elbow	Brass, FIP x FIP		
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.		
	1" meter and register.	Badger	E-SERIES
		Sensus	SR II
14. 1" Ball Valve	supplied with RP		
15. 1" RP with Backflow Device	3 - 1/4" Standard pipe thread. 3 - 1/4" SAE flare test cock fittings.	Wilkins	975XL (no lead)
16. 1" 90 Degree Elbow	Brass		