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Director of
Water & Sewer Utilities

CITY OF SANTA CLARA
WATER DEPT. - STANDARD NO. 6A

1 1/2" & 2" WATER SERVICE w/RP AND METER BOX

Standard No. 6A – 1 1/2” & 2” Water Service w/RP and Meter Box – 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 Lustru

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 Mueller	102B 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 (per direction of City Facilities Technician)			
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 coupling		
		Ford	L-44-77
7. Angle Meter Stop	2” Compression inlet x meter flange outlet with 316 stainless steel bolt, nuts, and washers.	Ford	BFA43-777W-G-NL
8. 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 Elster	Omni R2 M700
	2” meter and register.	Sensus Elster	Omni R2 M700
9. Valve Box with Lid	For water, lid should be marked "water meter"	Christy	B-36 box with lid no. B36G
10. Meter Coupling	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”
11. Nipple	2” Type L rigid copper tubing; riser length to suit		
12. Copper Adapter	2” MIP x sweat joint		
13. 2” 90 Degree Elbow	Brass, FIP x FIP		
14. 2” Ball Valve	supplied with RP		
15. Reduced Pressure Back Flow Prevention Device	Includes ball valves	Conbraco	40-208-A2
		Wilkins	975XL
		Febco	825Y
16. 90 Degree Street Elbow	Brass		