



- NOTES:**
- KEEP METER & BACKFLOW INSTALLATION PLUMB AND LEVEL.
 - PROVIDE 5' CLEARANCE AROUND SERVICE ABOVE-GROUND.
 - WATER UTILITY EASEMENT SHALL BE RECORDED 5' AROUND ALL SIDES OF THE DEVICE.



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Approved By: SHILPA M.

Revised Date: 2/1/2023

Signature:

Director of
Water and Sewer Utilities

CITY OF SANTA CLARA
 WATER AND SEWER UTILITIES - STANDARD NO. 7

2" FIRE SERVICE ASSEMBLY

City of Santa Clara – Water and Sewer Utilities
Standard No. 7 – 2” Fire Service Assembly – Material List
Domestic Products Only.

Updated Date: 2/1/2023

Coat above ground water service with Dunn Edwards Paint #0011-0124-06181, Santa Clara Mission Sand, AristoShield High Gloss
Provide 5-foot clearance around service above ground from all structures, objects, landscaping, etc.

Material	Description	Manufacturer	Model
1. Tapping Saddle	For PVC C900, bronze saddle, specified pipe size x 2” AWWA/CC Tap	Ford Mueller	202BS BR2S
	For ductile iron, cast iron, AC pipe: double strap bronze, specified pipe size x 2” AWWA/CC Tap	Ford Mueller	202B BR2B
2. Corporation Stop	2” AWWA/CC thread inlet x compression outlet	Mueller	B-25008N
		Ford	FB-1000-7-G
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	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 compression 90 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 5/8” 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		
11. Valve Box with Lid	Lid marked "Water" or "Water Meter"	Tyler Union	G5 with lid marked "Water"
12. 90 Degree Street Elbow	Brass		
13. Double Check Detector Assembly	Supplied with full port gate valves. Provide encoded meter register with Nicor connector. Register shall be compatible with Elster transmitter. All registers to be facing inlet and provide cubic feet reading.	Wilkins	950XLTD
14. Riser	2” Riser length to suit; Brass or copper type "L"		