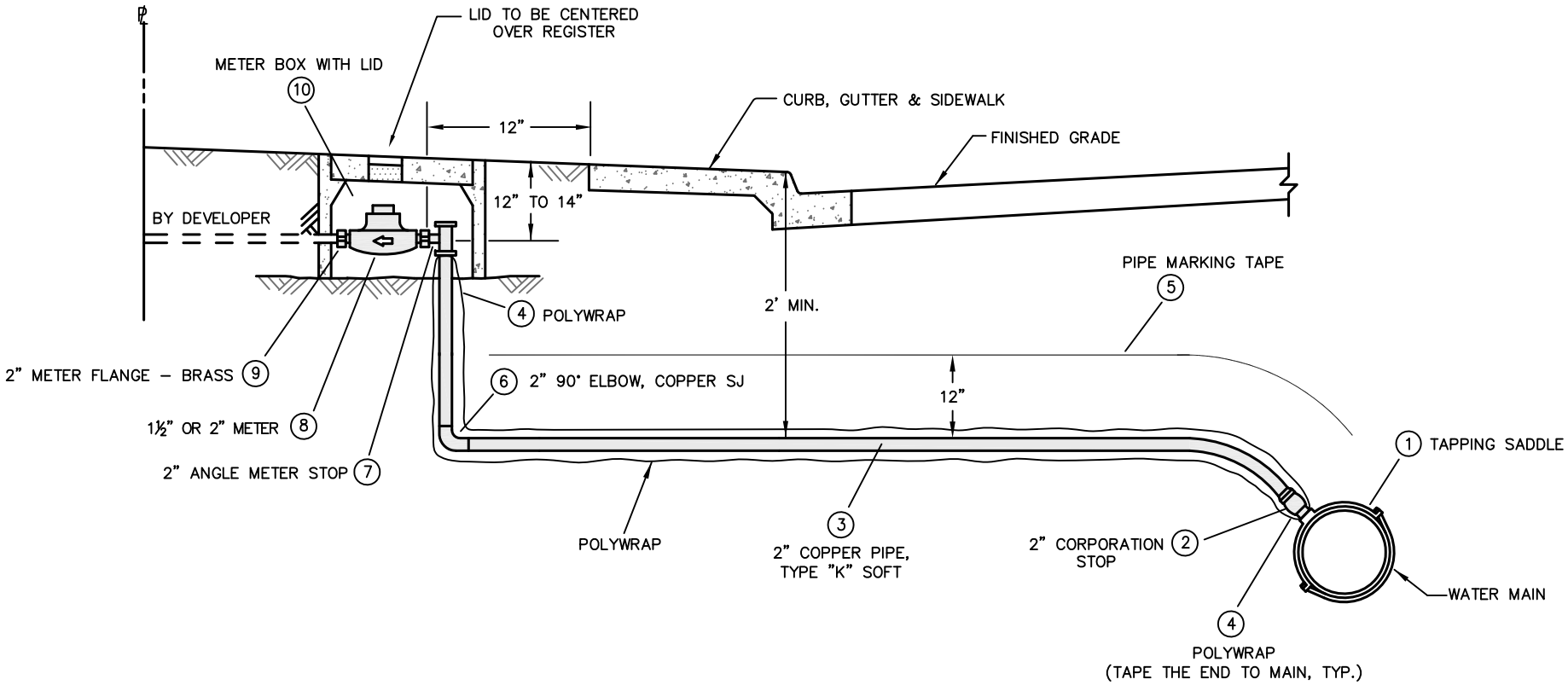

	Drawn By: D. LUU	Signature:	CITY OF SANTA CLARA WATER DEPT. - STANDARD NO. **4**
	Checked By: L. AU	Director of Water and Sewer Utilities	**1½" & 2" WATER SERVICE**
	Approved By: R. WILSON, R. ENOS		
	Revised Date: MARCH 2011		

City of Santa Clara – Water & Sewer Utilities Department Revised Date: Nov./2014

Standard No. 4 – 1 $^{1}/_{2}$" & 2" Water Service – Material List

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

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	202B
		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 (per direction of City Facilities Technician)			
3. Copper Tubing	2" ASTM B88, type K. Boxed straight lengths		
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	Ford	L-44-77
7. Angle Meter Stop	2" Compression inlet x meter flange outlet with 316 stainless steel bolts, 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	Omni R2
		Elster	M700
	2" meter and register.	Sensus	Omni R2
		Elster	M700
9. 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"
10. Meter Box with Lid	For water, lid should be marked "water meter"	Christy	B-36 box with lid no. B36G