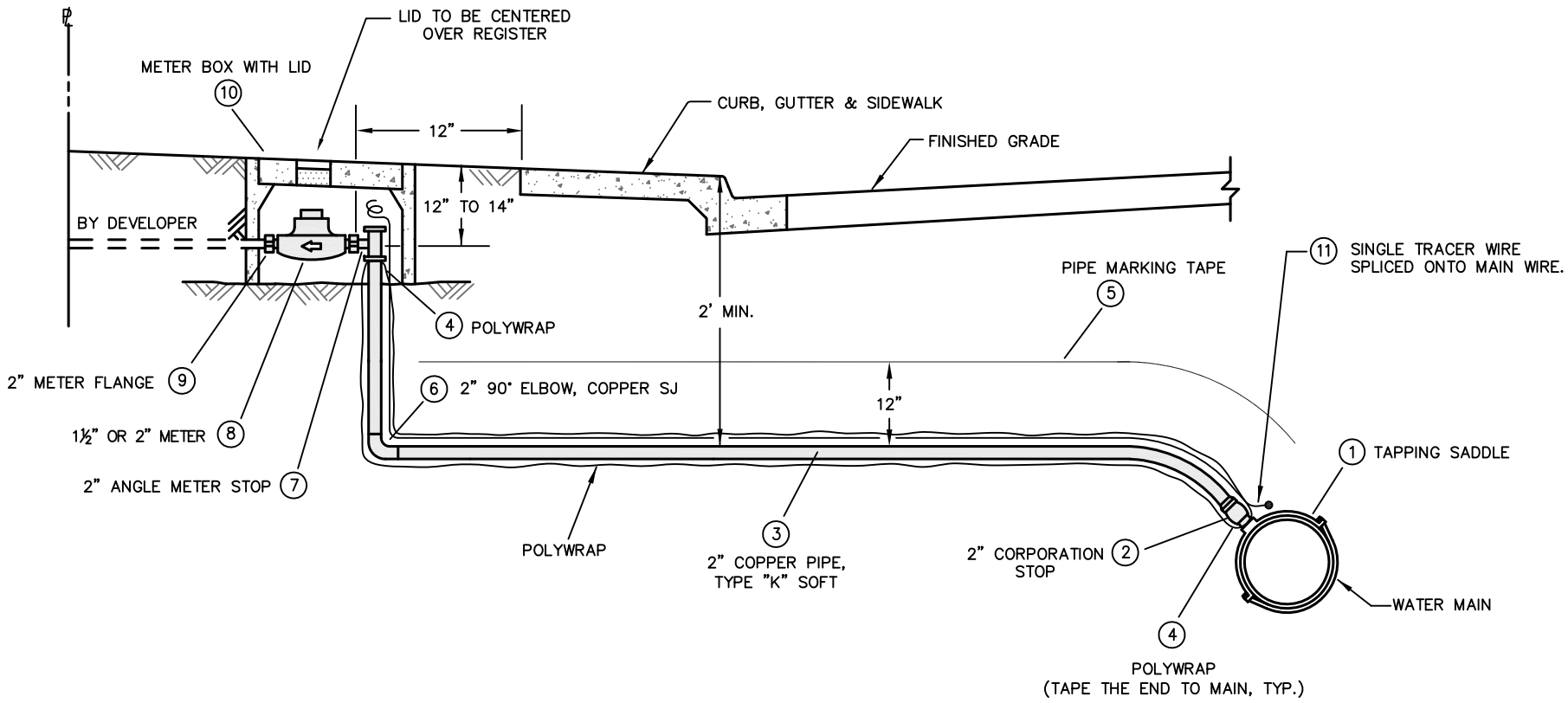

Drawn By: D. LUU	Signature:	CITY OF SANTA CLARA WATER DEPT. - STANDARD NO. **5**
Checked By: L. AU	Director of Water and Sewer Utilities	**1½" & 2" RECYCLED WATER SERVICE**
Approved By: R. WILSON, R. ENOS		
Revised Date: MARCH 2011		

City of Santa Clara – Water & Sewer Utilities Department

Standard No. 5 – 1 $^{1}/_{2}$" & 2" Recycled Water Service – Material List

Domestic Products Only.

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, ACP: single 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
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	Purple. 8 mil low density or 4 mil high density polyethylene film installed per AWWA C105. Tape the end to main.		
5. Pipe Marking Tape	Purple. 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 304 SS bolts, nuts, and washers. Flange should be marked "RECYCLED WATER."	Ford	BFA43-777W-G
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 accept 1-1/2" meters or 2" meters		
	1-1/2" meter – 1/8" thick, 2-hole full face gasket with 5/8" x 2-1/2" hex head, 304 SS bolts, nuts, and washers	Calpico Style 60	
	2" meter – 1/8" thick, 2-hole full face gasket with 3/4" x 2-1/2" hex head, 304 SS bolts, nuts, and washers	Calpico Style 60	
10. Meter Box with Lid	Lid marked "RECYCLED WATER"	Christy	B-36 box with lid no. B36G
11. Trace Wire	RHW #12 AWG solid with 12" minimum slack inside all valve boxes.		