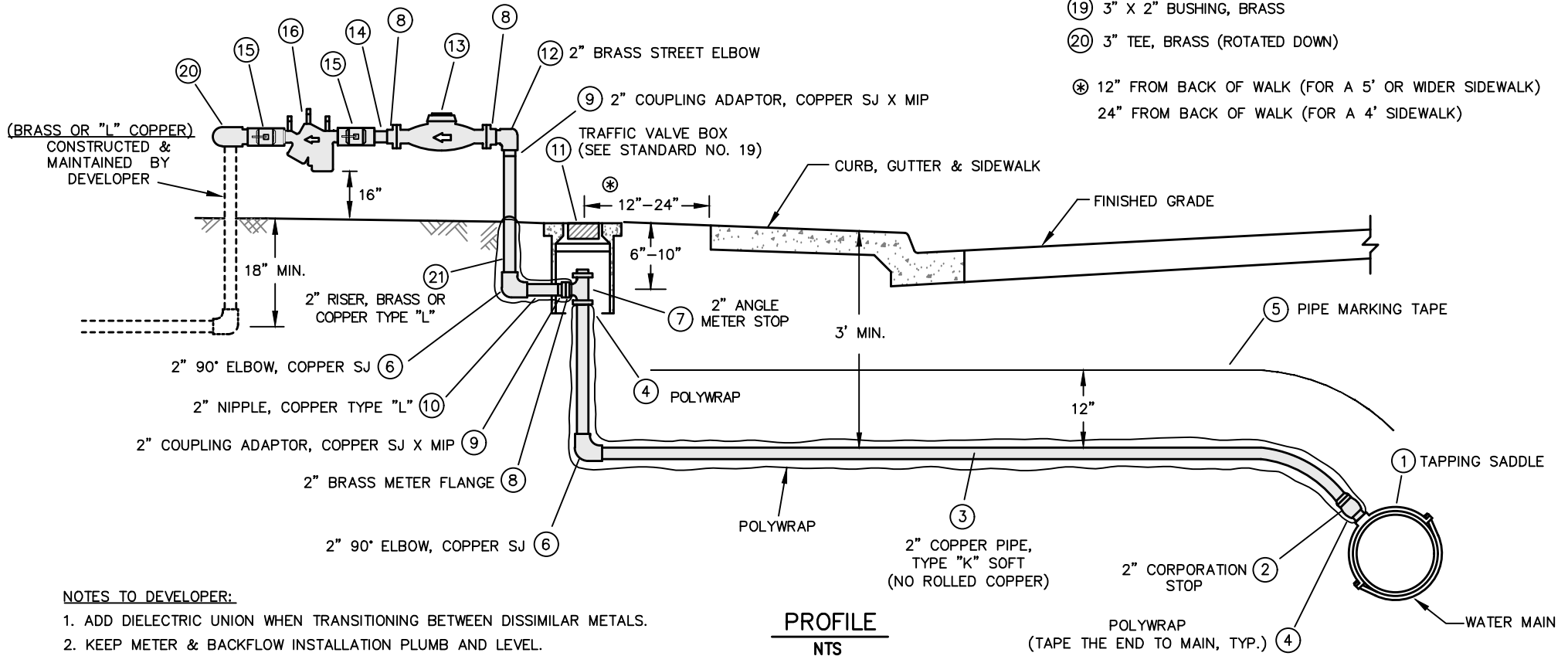


PLAN
NTS

- ⑪ TRAFFIC VALVE BOX
- ⑫ 2" BRASS STREET ELBOW
- ⑬ 2" METER
- ⑭ 2" CLOSE NIPPLE
- ⑮ 2" BALL VALVE (SUPPLIED W/RP)
- ⑯ 2" R.P. BACKFLOW PREVENTION DEVICE
- ⑰ 2" 90° ELBOW, BRASS SJ X MIP
- ⑱ 2" X 7" COPPER NIPPLE, TYPE "L"
- ⑲ 3" X 2" BUSHING, BRASS
- ⑳ 3" TEE, BRASS (ROTATED DOWN)

- ⊛ 12" FROM BACK OF WALK (FOR A 5' OR WIDER SIDEWALK)
- 24" FROM BACK OF WALK (FOR A 4' SIDEWALK)



PROFILE
NTS

NOTES TO DEVELOPER:

1. ADD DIELECTRIC UNION WHEN TRANSITIONING BETWEEN DISSIMILAR METALS.
2. KEEP METER & BACKFLOW INSTALLATION PLUMB AND LEVEL.



Drawn By: **DUC L.**
 Checked By: **TANISHA W. / JOHN S.**
 Approved By: **SHILPA M. / TERRY W.**
 Revised Date: **NOVEMBER 2017**

Signature: 
 Director of
 Water and Sewer Utilities

CITY OF SANTA CLARA
WATER AND SEWER UTILITIES - STANDARD NO. 10

3" WATER SERVICE WITH RP
(DUAL METER SERVICE)

Standard No. 10 – 3” Water Service with RP (Dual Meter Service) – Material List

Domestic Products Only. Use 316 stainless steel bolts, flange gasket with EPDM rubber, nuts, and washers for all bolted connections.

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

Provide 5-foot clearance around service above ground.

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	102B
		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			
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 Pack joint 90 compression 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 3/4” 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 (see Standard Detail No. 19)	Lid marked "Water" or "Water Meter" in landscape	Christy	G5 with lid marked "Water"
12. 90 Degree Street Elbow	Brass		
13. Water Meter & Register (manufacturer's test results are to be submitted with all meters).	Provide Elster transmitter compatible encoded register with Nicoor connector. All registers to be facing inlet and provide cubic feet reading.		
	1-1/2" meter and register.	Sensus Badger	Omni R2 E-SERIES
	2" meter and register.	Sensus Badger	Omni R2 E-SERIES
14. Close Nipple	Brass		
15. 2" Ball Valve	supplied with RP		
16. Reduced Pressure Back Flow Prevention Device	Includes ball valves; 3 - 1/2" x 1/4" Standard pipe thread and SAE flare brass fittings.	Wilkins	975XL (No Lead)
17. 90 Degree Street Elbow	Brass SJ x MIP		
18. Nipple	2" Type L rigid copper tubing; 2" x 7"		
19. Bushing	3" x 2", Brass		
20. 3" Tee	3" Tee, Rotated Down		
21. Riser	2" Riser length to suit; Brass or copper type "L"		