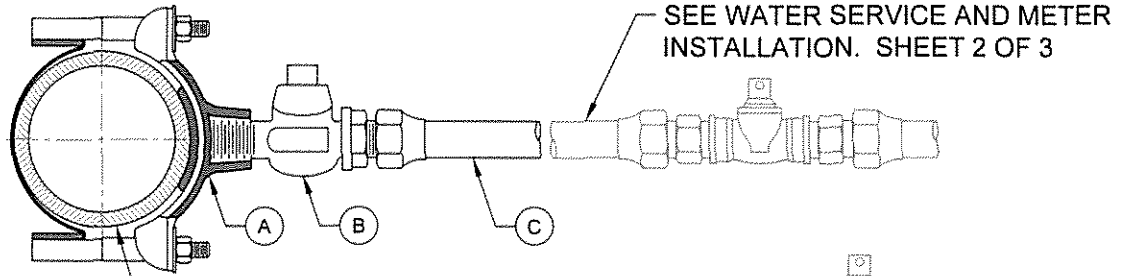


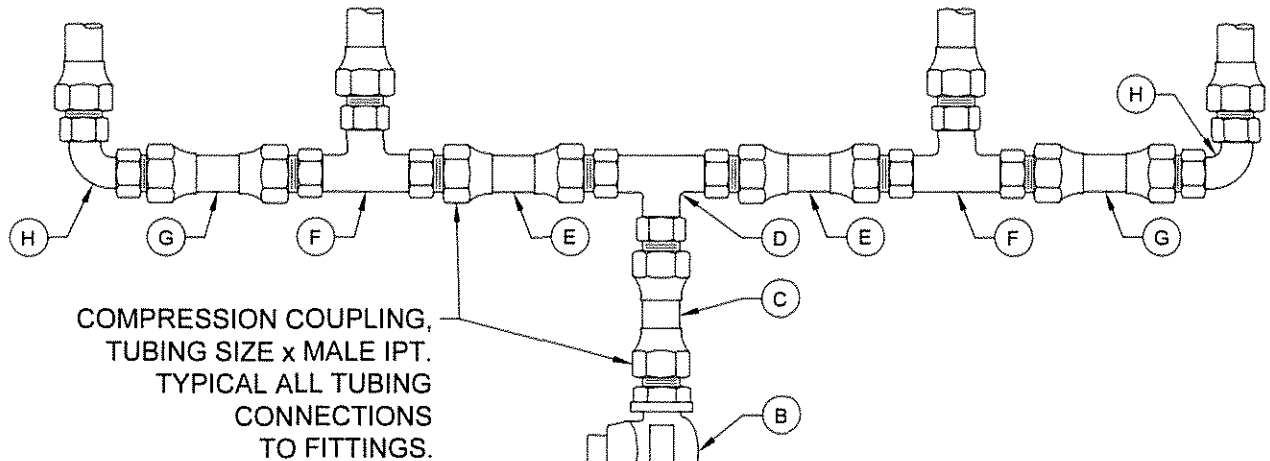
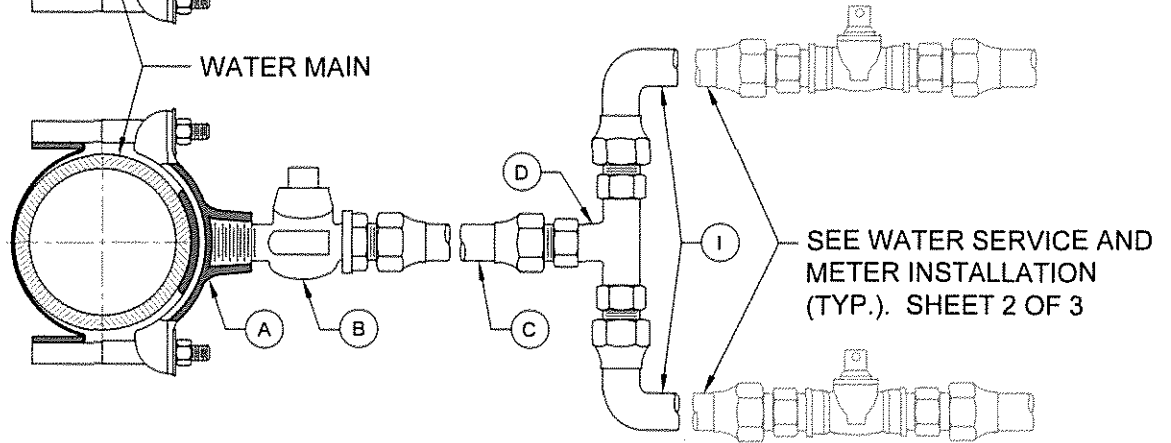
ONE METER

$\frac{5}{8}$ " $\frac{3}{4}$ " OR
1" METER



TWO METERS

$\frac{5}{8}$ " $\frac{3}{4}$ " OR
1" METER

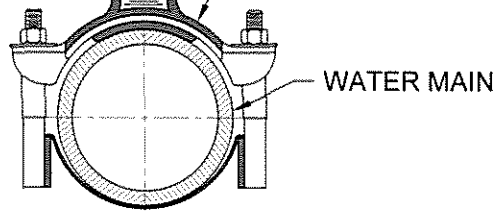


THREE OR FOUR METERS

$\frac{5}{8}$ " OR $\frac{3}{4}$ " METER

3 METERS: MAX. THREE $\frac{3}{4}$ " METERS

4 METERS: MAX. TWO $\frac{5}{8}$ " METERS AND
TWO $\frac{3}{4}$ " METERS



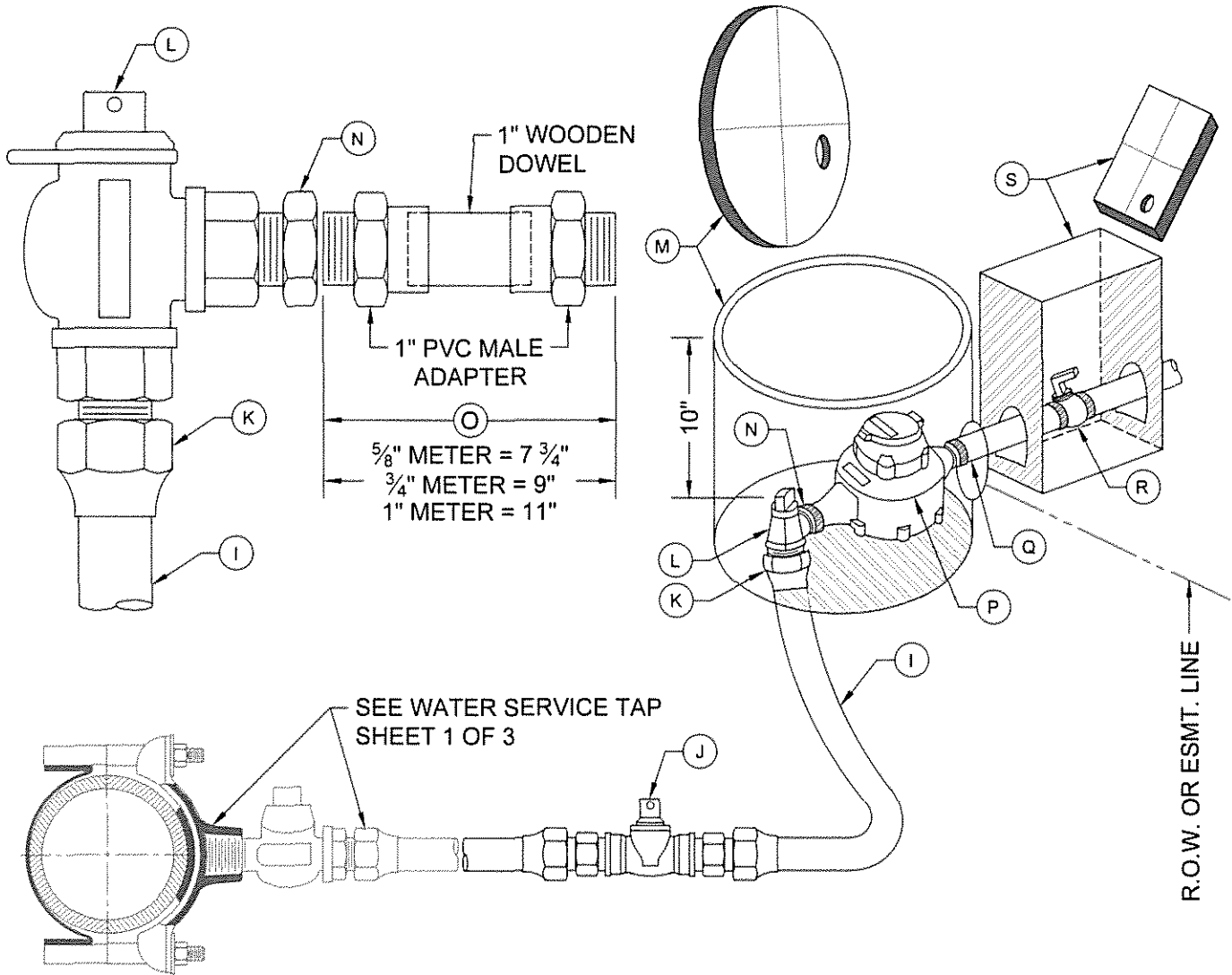
MATERIALS LIST:

- A. 2" SERVICE CLAMP
- B. 2" CORPORATION STOP MALE THREAD INLET BY COMPRESSION OUTLET.
- C. 2" COPPER WATER SERVICE TUBING EXTENDED BEYOND PAVEMENT.
- D. TEE FOR THREE OR FOUR METERS ON WATER TAP. TEE OR WYE FOR TWO METERS ON WATER TAP. (2" x SERVICE TUBING SIZE "E") FOR THREE OR FOUR METERS. 2" TUBING BY SIZE "I" FOR TWO METERS.

(MATERIALS LIST CONT ON SHEET 2 OF 3)

WATER SERVICE TAP

<p>CITY OF AUSTIN AUSTIN WATER</p>	<p>WATER SERVICE & METER INSTALLATION - 1" & SMALLER METERS</p>	
<p><i>Kathi L. Flowers</i></p>	<p>05/18/2016 ADOPTED</p>	<p>THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.</p> <p>STANDARD NO. 520-AW-02 1 OF 3</p>



R.O.W. OR ESMT. LINE

MATERIALS LIST CONT:

- E. SERVICE TUBING, (1 1/2" COPPER OR 2" HDPE)
- F. BRONZE TEE, (SIZE EQUAL TO "E")
- G. SERVICE TUBING 1 1/2" COPPER OR 1 1/2" HDPE FOR 3/4" METER, 1" COPPER OR 1 1/2" HDPE FOR 5/8" METER. METER SIZES TO BE SHOWN ON PLANS.
- H. BRONZE ELBOW, (SIZE EQUAL TO "G"). ALL BRONZE FITTINGS PER SPL WW-68.
- I. SERVICE TUBING FOR SINGLE METER, 1 1/2" COPPER OR 2" HDPE FOR 1" METER. MIN. 1 1/2" COPPER OR 1 1/2" HDPE FOR 3/4" METER. MIN. 1" COPPER OR 1 1/2" HDPE FOR 5/8" METER. METER SIZES TO BE SHOWN ON PLANS.
- J. BALL VALVE, SPL WW-275 (SIZE EQUAL TO "I")
- K. COUPLING - COMPRESSION TO MALE IPT (SIZE "I" x SIZE "I")

- L. ANGLE METER STOP; SERVICE TUBING INLET x SWIVEL COUPLING NUT OUTLET

- M. METER BOX AND COVER, SPL WW-145A

TO BE INSTALLED BY PLUMBER:

- N. BRASS METER BUSHING - SIZE AS NEEDED TO CONNECT ANGLE STOP TO METER
- O. TEMPORARY METER SPACER (REQUIRED TO ASSURE METER WILL FIT APPROPRIATELY)
- P. WATER METER PURCHASED FROM AUSTIN WATER (MAY BE INSTALLED BY AUSTIN WATER FOR NEW RESIDENTIAL SERVICE)
- Q. BRASS WATER METER COUPLING MALE IPT x SWIVEL COUPLING NUT 8 1/2" LONG. 3/4" DIA. FOR 5/8" AND 3/4" METER OR 1" DIA. FOR 1" METER
- R. CUSTOMER CUT-OFF VALVE
- S. CUSTOMER VALVE BOX AND LID

WATER SERVICE AND METER INSTALLATION

CITY OF AUSTIN AUSTIN WATER	WATER SERVICE & METER INSTALLATION - 1" & SMALLER METERS
<i>Kathi L. Flowers</i> 05/18/2016 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.
	STANDARD NO. 520-AW-02 2 OF 3

NOTES:

1. SERVICE CLAMP SHALL BE WRAPPED COMPLETELY WITH 8 MIL. POLYETHYLENE FILM.
2. BRANCH CONNECTIONS AND ALL ANGLE METER STOPS MUST BE INSTALLED PRIOR TO ANY METER INSTALLATION.
3. TOP OF BOXES SHOULD BE 1" ABOVE GROUND.
4. PIPING AND TUBING IN STREET RIGHT-OF-WAY SHALL BE BEDDED IN GRANULAR MATERIALS AS REQUIRED BY SECTION 510.3 (14) OF THE CITY OF AUSTIN STANDARD SPECIFICATIONS; BACKFILL ABOVE GRANULAR BEDDING AS REQUIRED BY SECTION 510.3 (25).
5. BOX MUST BE BEHIND CURB NEXT TO PROPERTY LINE OR EASEMENT AND OUT OF VEHICULAR TRAFFIC AREA AND SIDEWALK.
6. BALL VALVE "J" SHALL NOT BE LOCATED UNDER SIDEWALK, CURB, OR PAVEMENT, AND NOT BE LOCATED MORE THAN 24" HORIZONTALLY FROM METER BOX OR 36" BELOW FINAL GRADE.

COPPER:

- C1. COPPER SERVICE SHALL BE COPPER TUBING SIZE ANNEALED SEAMLESS TYPE "K" MEETING ASTM B88 WITH NO SWEAT OR SOLDERED JOINTS.

HDPE:


- H1. INSTALL METALLIC WARNING TAPE MIN. 1' ABOVE HDPE TUBING FROM TAP CONNECTION TO METER.
- H2. TUBING SHALL BE PLACED SO THAT IT IS RELAXED AND "SNAKES" LOOSELY IN THE TRENCH.
- H3. TUBING, WHEN BENT, SHALL HAVE A RADIUS NO SMALLER THAN THE VALUE SHOWN IN TABLE 1.
- H4. IF A FITTING WILL BE INSTALLED WITHIN A BENT SECTION OF TUBING, THE TUBING SHALL HAVE A RADIUS NO SMALLER THAN THE VALUE SHOWN IN TABLE 2.
- H5. INSERT STIFFENERS FOR HDPE TUBING PER SPL WW-65B TO BE INSTALLED INSIDE TUBING AT ALL COMPRESSION FITTINGS.

TABLE 1 (SEE NOTE H3)	
NOMINAL TUBING DIA.	BEND RADIUS OF AT LEAST
1"	3'
1 ½"	4'
2"	5'

TABLE 2 (SEE NOTE H4)	
NOMINAL TUBING DIA.	BEND RADIUS OF AT LEAST
1"	12'
1 ½"	16'
2"	20'

RECLAIMED WATER:

- R1. FOR RECLAIMED WATER SERVICES AND METERS, ALL RECLAIMED TUBING SHALL BE MANUFACTURED PURPLE TUBING. HDPE TUBING SHALL BE MANUFACTURED WITH PURPLE STRIPES. ALL OTHER TUBING AND APPURTENANCES SHALL BE MANUFACTURED PURPLE IF AVAILABLE. ALL TUBING AND FITTINGS THAT ARE NOT AVAILABLE FROM THE MANUFACTURER IN PURPLE SHALL BE PAINTED PURPLE PER SPL WW-3C. ALL BURIED DI AND CI PIPE AND FITTINGS SHALL ALSO BE WRAPPED IN PURPLE POLYETHYLENE PER SPL WW-27D. ALL COVERS SHALL HAVE "RECLAIMED WATER" CAST INTO THEM.

CITY OF AUSTIN AUSTIN WATER		WATER SERVICE & METER INSTALLATION - 1" & SMALLER METERS	
 05/18/2016 ADOPTED		THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 520-AW-02 3 OF 3