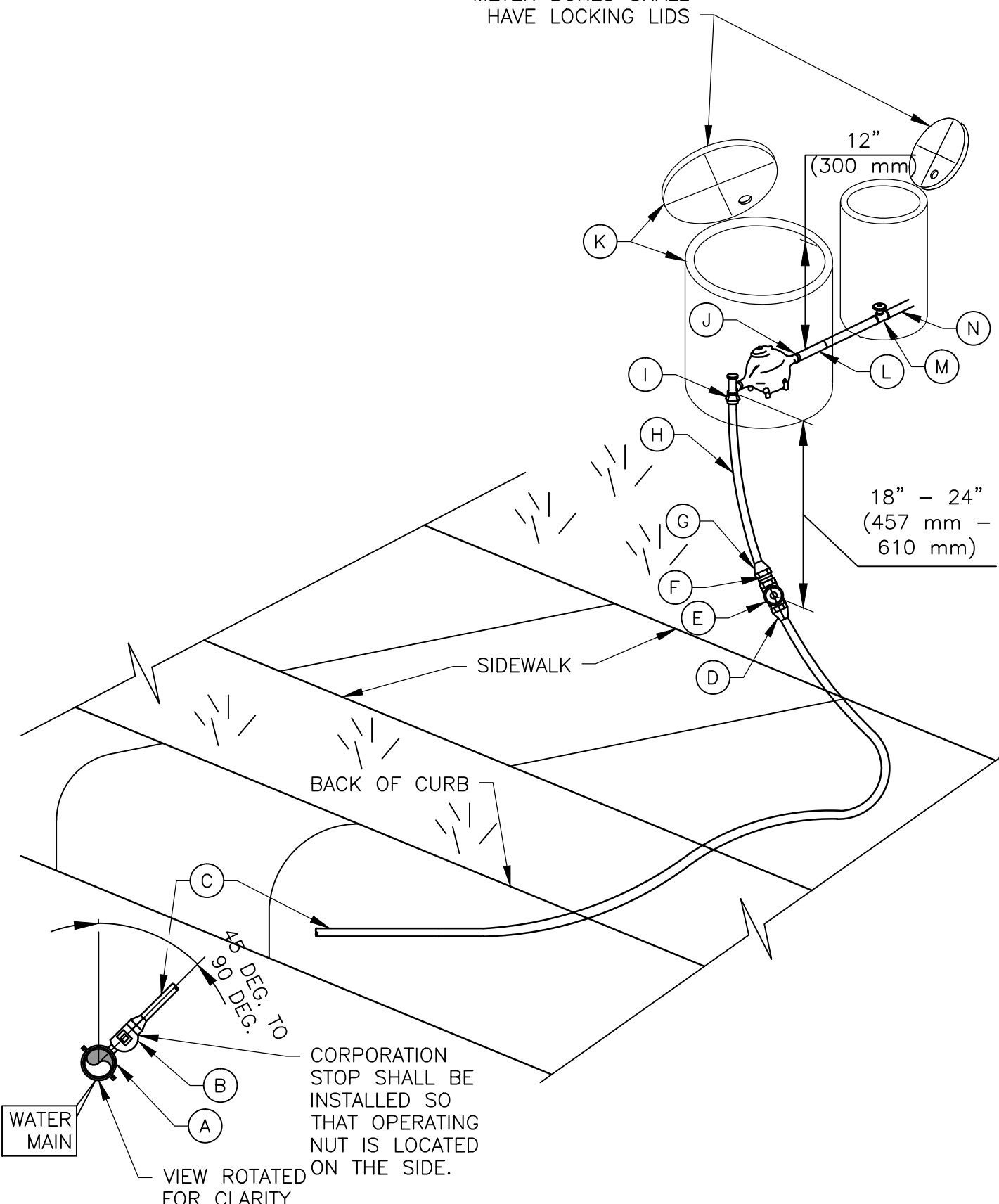


METER BOXES SHALL
HAVE LOCKING LIDS



TRAVIS COUNTY WATER CONTROL AND
IMPROVEMENT DISTRICT No. 17
STANDARD DETAILS

5/8" (15.88 mm), 3/4" (19.05 mm) OR 1" (25.4 mm)
SINGLE METER INSTALLATION
(1 OF 2)

ADOPTED:
06/15/2010

THE ARCHITECT/ENGINEER ASSUMES
RESPONSIBILITY FOR APPROPRIATE
USE OF THIS STANDARD.

DETAIL NO.
W07


MATERIAL LIST:

- A. TAP SADDLE REQUIRED ON ALL PIPES (317-D5)
- B. 1-1/2" (38 mm) CORPORATION STOP - (FB 1100-6G)
- C. 1-1/2" (38 mm) SERVICE PIPE (POLY E SDR 9) 200 P.S.I.
- D. 54 INSERT
- E. 1-1/2" (38 mm) BRASS BALL VALVE CURB STOP TYPE B41-666W.G.
- F. 1-1/2" X 1" (25 mm) REDUCER BUSHING
- G. 1" (25 mm) MIP X COMP (C84-44G)
- H. 1" (25 mm) POLY E SDR 9, 52 INSERT (200 P.S.I.)
- I. 1" (25 mm) METER ANGLE STOP (KV43-444WG)
- J. WATER NIPPLE WITH 3/4" (19.05 mm) MALE THREADS
- K. 1-SINGLE METER BOX - 34 P14 WESTERN IRON WORKS WITH CAST IRON LID AND RING SPECIFY SIZE OF HOLE FOR TOUCH READ PAD 2" - 2-1/8" (50 mm - 54 mm)
- L. BRASS PIPE, 4' (1.2 m) MINIMUM LENGTH FROM METER TO CUSTOMER YARD LINE
- M. 1" (25 mm) BRONZE GATE VALVE: NON-RISING STEM (3/4" (19.05 mm) OR 1" (25 mm)) FEMALE I.P. (PROPERTY OWNER'S CUTOFF VALVE, CUSTOMER'S RESPONSIBILITY)
- N. 3/4" (19.05 mm) OR 1" (25 mm) PIPE PVC SCH. 40 OR BETTER, MEETING CITY OF AUSTIN OR CITY OF LAKEWAY PLUMBING CODE REQUIREMENTS AS APPLICABLE (CUSTOMER'S RESPONSIBILITY)

NO COPPER PIPE ALLOWED. ONLY BRASS AND/OR POLYETHYLENE SHALL BE USED.

NOTES:

- 1. TOP OF BOXES SHALL BE 2" (50 mm) ABOVE CURB AND/OR FINISHED GRADE OR FLUSH WITH PAVEMENT SURFACE.
- 2. WATER SERVICE LINES SHALL BE BEDDED IN WASHED SAND OR APPROVED GRAVEL BEDDING TO PROVIDE SIX INCHES (6") OF CUSHION BELOW THE LINE, AND 12" (300 mm) ABOVE. WATER METERS SHALL BE INSTALLED IN GROUND WHICH HAS AN ELEVATION NO HIGHER THAN 4 FEET (1.2 m) FROM FINISHED GRADE STREET LEVEL. METERS LOCATED ON HIGH GROUND OR UPON STEEP SLOPES ARE NOT PERMITTED. TRENCH BOTTOM AND WALLS SHALL BE CLEARED OF ALL PROTRUDING ROCKS WHICH COULD DAMAGE THE PIPE BEFORE THE SAND BEDDING IS PLACED. WASHED SAND SHALL BE FILLED TO THE SAME ELEVATION AS THE TOP OF THE ADJACENT CURB AND/OR EDGE OF PAVEMENT AND SHALL BE COMPACTED TO A PROCTOR DENSITY OF 90%. NO ROCKS OR OTHER MATERIAL OVER THREE INCHES (3") (76 mm) IN DIAMETER SHALL BE USED FOR BACK FILL OVER THE SAND.
- 3. METER BOX MUST BE BEHIND CURB/ PAVEMENT AND/OR SIDEWALK AND OUT OF VEHICULAR TRAFFIC AREA.
- 4. THE BOTTOM OF THE WATER SERVICE AT ALL POINTS SHALL BE AT LEAST TWELVE (12") INCHES (300 mm) ABOVE THE TOP OF THE WASTEWATER SERVICE LINE.
- 5. WATER SERVICE LINE SHALL BE INSTALLED WITH WATER TIGHT JOINTS TESTED TO LINE PRESSURE.
- 6. ISOLATION VALVES WILL NOT BE SET UNDER OR NEAR SIDE WALKS OR CURBS, WHERE THEY CANNOT BE LOCATED.
- 7. PRESSURE REDUCING VALVE AND A BACK FLOW PREVENTER (WITH THERMAL EXPANSION TANK IN HOUSE IF REQUIRED) IN THAT ORDER ON THE YARD LINE.

	TRAVIS COUNTY WATER CONTROL AND IMPROVEMENT DISTRICT No. 17 STANDARD DETAILS	5/8" (15.88 mm), 3/4" (19.05 mm) OR 1" (25.4 mm) SINGLE METER INSTALLATION (2 OF 2)	
	ADOPTED: 06/15/2010	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	DETAIL NO. W07