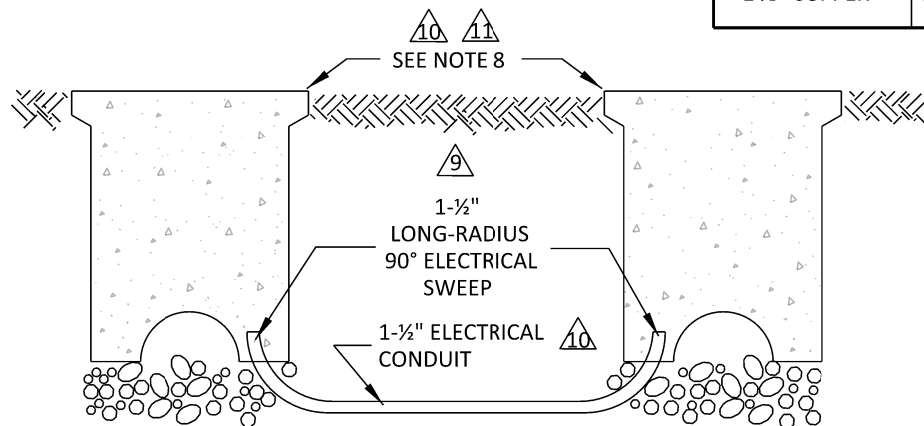


**METER INSTALLATION**  
1" IRON PIPE SIZE  
NOT TO SCALE

**FLOW RATE TABLE**

LATERAL SIZE	METER SIZE	FLOW RATE (GPM)	VELOCITY (ft/s)	APPLICATION	METER LENGTH
1" COPPER	1" MULTIJET	30	12.38	SINGLE FAMILY RESIDENTIAL UNITS	10 3/4"
1 1/2" COPPER	1" MULTIJET	30	5.60	COMMERCIAL, INDUSTRIAL, & LANDSCAPE	10 3/4"




**GENERAL NOTES**

1. ALL LISTED MATERIALS TO BE PER EMWD APPROVED MATERIAL LIST.
2. ALL FITTINGS WITHIN METER BOX SHALL:
  - A. BE MADE OF BRASS OR BRONZE;
  - B. BE OF A BANDED PATTERN;
  - C. BE DESIGNED FOR A MINIMUM OF 175 PSI (COLD WATER) WORKING PRESSURE.
3. ALL SERVICE PIPE AND TUBING SHALL BE LAID ON A POSITIVE SLOPE UP FROM THE WATER MAIN TO THE METER. NO DIPS OR POCKETS IN THE LINE WILL BE PERMITTED. 36" COVER SHALL BE AT GAS MAIN CROSSINGS.
4. THREAD NOTATION SHOWN THUS :
  - IP = IRON PIPE THREAD
  - CS = CORPORATION STOP (MUELLER) THREAD ;
  - PJ = PACK JOINT
5. METER BOXES SHALL BE EMWD APPROVED 13" x 24" COMPLETE WITH TWO PIECE COVER AND LID WITH AMR/AMI ANTENNA PORT (SEE NOTE 9 AND F FOR SIDEWALK INSTALLATION)
6. WHEN METER IS FURNISHED BY OTHERS, USE 1" PVC NIPPLE CONSISTING OF (2) 1" MIP x S ADAPTERS CL 200 (SEE FLOW RATE TABLE FOR METER LENGTHS). LOCK ANGLE METER STOP CLOSED WITH LEAD SEAL AND 3- STRAND WIRE.
7. METER PORT HOLES CENTER TO BE INSTALLED 9 3/4" BELOW TOP OF METER BOX.
8. INSTALL 1 1/2" PVC SCH. 40 ELECTRICAL CONDUIT BETWEEN ALL METER BOXES AND STUBBED INSIDE, THAT ARE LOCATED NEAR PL WITHIN 10' OF EA. OTHER. TAPE END OF SWEEPS PREVENTING DEBRIS FROM ENTERING CONDUIT. PLACE SWEEPS INSIDE AND AGAINST SIDE OF METER BOX.
9. CONTRACTOR SHALL RETURN AFTER ROAD SHOULDER OR PARKWAY IS COMPLETE TO INSTALL METER BOX, AND SHALL BE RESPONSIBLE FOR COORDINATING WORK OF OTHER CONTRACTORS FOR SAFEGUARDING SERVICES UNTIL METER BOXES ARE SET.
10. METER INSTALLATION ON 1 1/2" LATERAL WILL REQUIRE AN 1 1/2" METER FLANGE X FNPT WITH 1" METER TAIL PIECE. SEE METER MANUFACTURERS SPECIFICATION FOR METER INSTALLATION SPECIFICATIONS.
11. 1-1/2" COPPER SERVICE LATERAL TO BE REDUCED TO 1" COPPER AFTER THE 90° TRANSITION.

**PLACEMENT OF METER BOX**

- A. PLACE FRONT EDGE OF METER BOX 6" MAX BEHIND EXISTING OR PROPOSED 6' OR 8' SIDEWALKS.
- B. WHEN PROPOSED OR EXISTING SIDEWALK IS 12' WIDE PLACE FRONT EDGE OF METER BOX 6" MAX BEHIND CURB USING APPROPRIATE METER BOX (SEE NOTE 10).
- C. WHEN NO SIDEWALKS IS PROPOSED PLACE FRONT EDGE OF METER BOX 6.5' BEHIND CURB FACE.
- D. WHEN NO CURBS ARE EXISTING OR TO BEING INSTALLED UPON COMPLETION OF THE WATER SYSTEM PLACE BACK EDGE OF METER BOX ON PROPERTY LINE.
- E. ADJOINING LOT METER BOXES SHALL BE PLACED TOGETHER AT PROPERTY LINE.
- F. WHEN INSTALLED IN CONCRETE (SIDEWALK) USE EMWD APPROVED 17"x 30" METER BOX COMPLETE WITH COVER AND LID.

REVISIONS					APPROVALS			 EASTERN MUNICIPAL WATER DISTRICT	EASTERN MUNICIPAL WATER DISTRICT STANDARD DRAWING	
NO.	DATE	INITIAL	DESCRIPTION	APP'D	DATE	INITIAL	DATE		1" METER INSTALLATION	
4	7/21/17	GS	REVISED METER DATA TABLE METER LENGTHS	AGA	7/21/17					
3	12/9/16	GS	REVISED NOTE 3, 6, AMD LOGO	AGA	12/12/16					
2	5/15/15	GS	REVISED METER DATA TABLE	AGA	5/15/15					
1	9/18/13	GS	REVISED NOTES, ADDED FLOW RATE TABLE, & REMOVED	AGA	10/23/14	OPERATIONS	ML	10/19/95		
			MAINLINE CONNECTION INFORMATION			SUBMITTED	VJB	9/21/95		
REFERENCES: (SUPERCEDES B-341) ORIG DRAWN 3/85				SCALE: NONE		RECOMMENDED <i>Joseph D. VanSickle</i> 10/19/95		APPROVED <i>G. Hooite Rugge</i> 10/20/95		B-591
FILE I.D.: \kauai\eng\std dwgs\B-591.dgn				DRAWN BY: KER		DIRECTOR OF ENGINEERING DATE		CHIEF ENGINEER DATE		