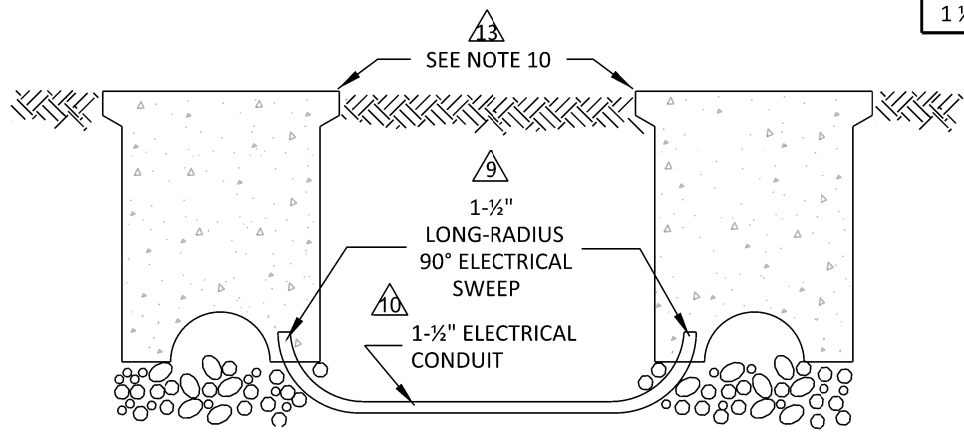


METER INSTALLATION

1" IRON PIPE SIZE
NOT TO SCALE

FLOW RATE TABLE

LATERAL SIZE	METER SIZE	FLOWRATE (GPM)	VELOCITY (ft/s)	METER LENGTH
1" COPPER	3/8" MULTIJET	15	6.20	7 1/2"
1 1/2" COPPER	3/8" MULTIJET	15	2.80	7 1/2"
1" COPPER	3/4" MULTIJET	20	8.25	7 1/2"
1 1/2" COPPER	3/4" MULTIJET	20	3.70	7 1/2"



GENERAL NOTES

1. ALL PIPE AND FITTINGS BETWEEN AND INCLUDING THE CORPORATION STOP AND GATE VALVE SHALL:
 - A. BE MADE OF BRASS OR BRONZE;
 - B. BE OF THE BANDED PATTERN;
 - C. BE DESIGNED FOR A MIN OF 175 PSI (COLD) WATER WORKING PRESSURE.
2. PRESSURE TEST PER EMWD SPECIFICATIONS.
3. ALL LISTED MATERIALS TO BE PER EMWD APPROVED MATERIAL LIST.
4. CORPORATION STOP AND FITTINGS AT THE PIPELINE SHALL BE PRIMED AND WRAPPED WITH APPROVED COAL TAR RESIN TAPE.
5. 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.
6. THREAD NOTATION SHOWN THUS:
 - IP = IRON PIPE THREAD
 - CS = CORPORATION STOP (MUELLER) THREAD;
 - PJ = PACK JOINT
7. METER BOXES SHALL BE EMWD APPROVED 12" x 20" COMPLETE WITH TWO PIECE COVER AND LID WITH AMR/AMI ANTENNA PORT (SEE NOTE 10 AND "F" FOR SIDEWALK INSTALLATION)
8. 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.
9. METER PORT HOLES CENTER TO BE INSTALLED 9-1/2" BELOW TOP OF METER BOX.
10. INSTALL 1-1/2" PVC SCH. 40 ELECTRICAL CONDUIT BETWEEN ALL METER BOXES 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.
11. SYSTEMS WITH ONSITE PUMPS SHALL NOT EXCEED 5 FPS VELOCITY WITHIN THE SERVICE LATERAL. SYSTEMS WITHOUT PUMPS, SHALL NOT EXCEED 10 FPS (SEE B-590A).
12. 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.

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	5/8" & 3/4" METER INSTALLATION
15	12/9/16	GS	REVISED NOTE 5, 8, AND LOGO	AGA	12/12/16			<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;"> <p>RECOMMENDED <i>Joseph D. Van Sickle</i> 10/19/95 DIRECTOR OF ENGINEERING DATE</p> </div> <div style="text-align: center;"> <p>APPROVED <i>G. Hooite Ruggie</i> 10/20/95 CHIEF ENGINEER DATE</p> </div> </div>	
14	5/15/15	GS	ADDED METER LENGTH TO METER DATA TABLE	AGA	5/15/15				
13	4/1/2014	GS	ADDED NOTE "F", 13, REVISED TITLE, TABLE AND FONT SIZE	AGA	10/30/14				
12	7/19/13	GS	ADDED 3/4" METER, FLOWRATE TABLE, NOTE, REMOVE ALL CONN. INFORMATION, B590A REFERENCE, AND REVISED TITLE	AGA	7/19/13	ML	10/19/95		
REFERENCES: (SUPERCEDES B-340) ORIG DRAWN 6/68				SCALE: NONE					B-590
FILE I.D.: \kauai\eng\std dwgs\B-590.dgn				DRAWN BY: KER					