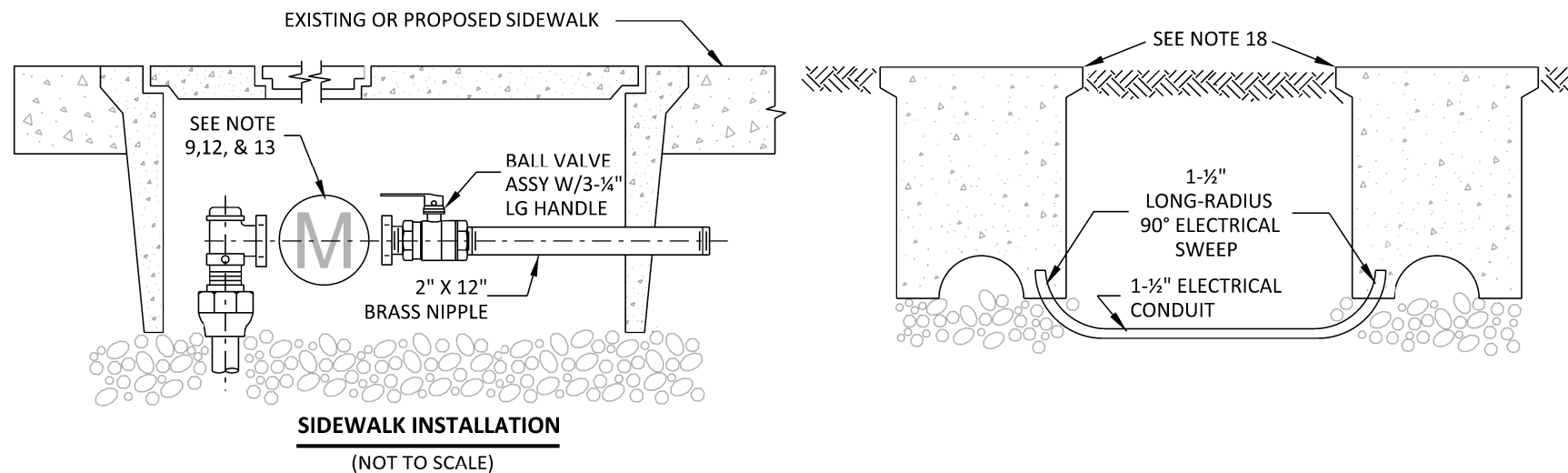


**FLOW RATE TABLE**

FUTURE METER SIZE	FLOW RATE (GPM)	LATERAL SIZE	EMWD STANDARD DRAWING	VELOCITY (FT/S)	METER LENGTH
1½" MULTIJET	75	2"	PB-10A	7.98	13"
1½" OMNI R2	150	4"	PB-1	3.18	13"



**NOTES:**

- ALL PIPE AND FITTINGS BETWEEN AND INCLUDING CORPORATION STOP AND BALL VALVE SHALL:
  - BE MADE OF BRASS OR BRONZE;
  - BE OF THE Banded PATTERN;
  - BE DESIGNED FOR A MIN OF 175 PSI (COLD WATER) WORKING PRESSURE.
- PRESSURE TEST PER EMWD SPECIFICATIONS.
- ALL BARE IRON AND STEEL SHALL BE COATED WITH CEMENT MORTAR AS PER THE FIELD ENGINEER.
- ALTERNATE MATERIALS MAY BE USED UPON APPROVAL BY THE ENGINEER.
- CORPORATION STOP, FITTINGS, AND SERVICE LINE WITHIN 3 FEET OF SADDLE SHALL BE PRIMED AND WRAPPED WITH APPROVED COAL-TAR RESIN TAPE.
- 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 MAINTAINED AT GAS MAIN CROSSINGS.
- THREAD NOTATION SHOWN THUS:
  - IP = IRON PIPE THREAD;
  - CS = CORPORATION STOP (MUELLER) THREAD;
  - PJ = PACK JOINT.
- METER BOXES SHALL BE EMWD APPROVED 13" X 24" COMPLETE WITH COVER AND 2 PEICE LID WITH AMR/AMI ANTENNA PORT. LID TO BE PAINTED APPROVED PURPLE.
- EMWD TO LOCK OFF ANGLE METER STOP UNTIL METER IS INSTALLED. NO METER SHALL BE INSTALLED UNTIL APPROVED BY EMWD.
  - METER SHALL BE PER EMWD APPRVD. MATER. LIST W/ AMR & READ IN CUBIC FEET.
  - NO JUMPER SHALL BE INSTALLED.
  - 10" BRASS NIPPLE, VALVE AND METER FITTINGS SHALL BE INSTALLED WHEN METER IS INSTALLED.
- METER PORT HOLES CENTER TO BE INSTALLED 10" BELOW TOP OF METER BOX.
- INSTALL LOCATOR IDENTIFICATION TAPE (CHRISTY'S PART NO. TA-DT-03-PRW) PER E.M.W.D. SPEC.
- METER SHALL BE PAINTED APPROVED PURPLE WHEN METER IS INSTALLED
- NO METER SHALL BE INSTALLED PRIOR TO EMWD CROSS CONNECTION SHUT DOWN TEST AND APPROVAL.
- BURIED COPPER TO BE ENCASED IN 8-MIL PURPLE POLYETHYLENE SLEEVE.
- RECYCLED WATER METER ANGLE STOP / BALL VALVE SHALL BE COATED WITH PURPLE ENAMEL PAINT. ADD "RECYCLED WATER" TAG TO CURB STOPS.
- INSPECTORS SHALL METAL STAMP METER ANGLE STOP / BALL VALVE WITH "RW"
- CURB SHALL BE INSCRIBED WITH "RW" TO IDENTIFY RECYCLED WATER SERVICE LOCATION.
- INSTALL 1-½" PVC SCH. 40 ELECTRICAL CONDUIT BETWEEN ALL METER BOXES THAT ARE LOCATED NEAR PROPERTY LINE WITHNIN 10' OF EA. OTHER. TAPE END OF SWEEPS PREVENTING DEBRIS FROM ENTERING CONDUIT. PLACE SWEEPS INSIDE AND AGAINST SIDE OF METER BOX.
- 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.
- VALVE BOX SHALL BE EMWD APPROVED 8" DIA x 10" DEEP, COMPLETE WITH COVER AND ONE (1) - 6" EXTENSION. LID TO BE PAINTED PURPLE.

**PLACEMENT OF METER BOX**

- PLACE FRONT EDGE OF METER BOX 6" MAX BEHIND EXISTING OR PROPOSED 6' OR 8' SIDEWALKS.
- WHEN PROPOSED OR EXISTING SIDEWALK IS 12' WIDE PLACE FRONT EDGE OF BOX 6" MAX BEHIND CURB USING APPROPRIATE BOX (SEE NOTE 8).
- WHEN NO SIDEWALK IS PROPOSED, PLACE FRONT EDGE OF BOX 7.5' BEHIND CURB FACE.
- WHEN NO CURBS ARE EXISTING OR TO BE INSTALLED UPON COMPLETION OF THE WATER SYSTEM, PLACE BACK EDGE OF METER BOX ON PROPERTY LINE.
- WHEN INSTALLED IN CONCRETE (SIDEWALK) USE EMWD APPROVED 30" X 48" METER BOX COMPLETE WITH COVER.

REVISIONS				APPROVALS			 <small>EASTERN MUNICIPAL WATER DISTRICT</small>	EASTERN MUNICIPAL WATER DISTRICT STANDARD DRAWING	
NO.	DATE	INITIAL	DESCRIPTION	APP'D	DATE	DESIGN		INITIAL	DATE
						CONSTRUCTION			
						INSPECTION	BAM	1/9/17	
						OPERATIONS	KG	2/10/17	
						SUBMITTED	AGA	12/30/16	
REFERENCES:				SCALE: NONE			 <small>EASTERN MUNICIPAL WATER DISTRICT</small>		<b>1½" RECYCLED WATER METER INSTALLATION</b>
FILE I.D.: \kauai\eng\std dwgs\PB-11.dgn				DRAWN BY: GS					
				RECOMMENDED _____			<b>PB-11</b>		