



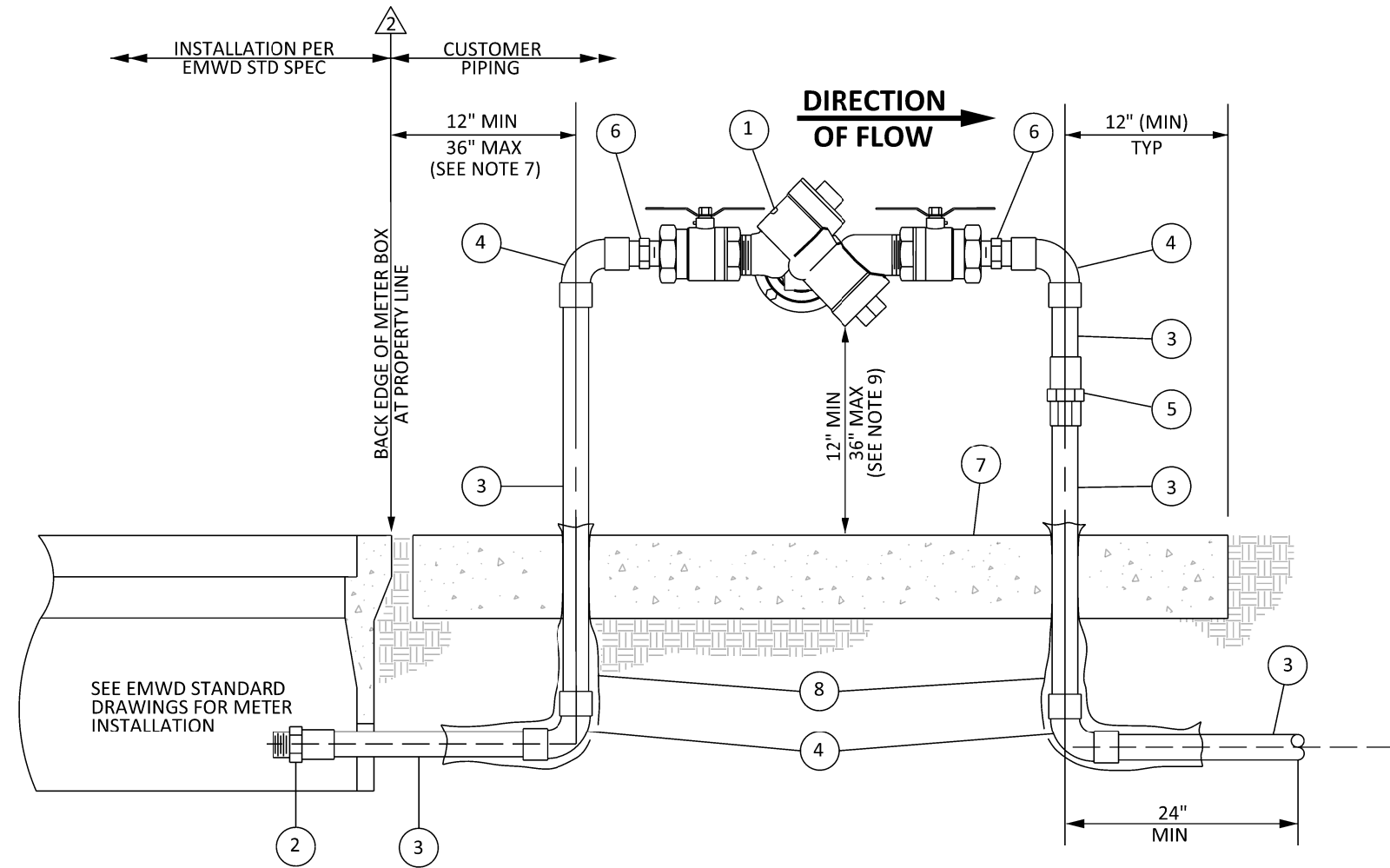


NOTES:

1. PROVIDE A USC APPROVED BACKFLOW PREVENTION ASSEMBLY AS DESIGNATED BY EMWD  APPROVED MATERIALS LIST SPECIFICATIONS.
2. EMWD MAINTENANCE RESPONSIBILITY STOPS AT THE METER. THE CUSTOMER IS RESPONSIBLE TO TEST AND MAINTAIN THE BACKFLOW PREVENTION ASSEMBLY, IN ACCORDANCE WITH EMWD ORD. 69.
3. ONLY RIVERSIDE COUNTY CERTIFIED BACKFLOW TESTERS LISTED ON THE EMWD APPROVED BACKFLOW TESTER LIST ARE ALLOWED TO TEST BACKFLOW ASSEMBLIES WITHIN EMWD SERVICE AREA.
4. BACKFLOW CERTIFICATION TESTING IS REQUIRED ANNUALLY BUT MAY BE MORE FREQUENTLY AS DEEMED NECESSARY BY EMWD. CERTIFICATION TESTING IS REQUIRED IMMEDIATELY AFTER AN ASSEMBLY IS RELOCATED, REPLACED, OR REPAIRED, AND PRIOR TO ANY NEW INSTALLATION  ACCEPTANCE AND WATER DELIVERY PER EMWD ADMIN CODE 5.504.
5. BACKFLOW PREVENTION ASSEMBLY SHALL BE SIZED IN ACCORDANCE WITH TABLE "A", OR UP TO   ONE SIZE LARGER UPON APPROVAL BY EMWD.
6. BACKFLOW PREVENTION ASSEMBLY INSTALLATIONS INCLUDING ALL APPURTENANCES FOR THE SUPPLY OF DOMESTIC WATER SHALL COMPLY WITH THE REQUIREMENTS OF THE CALIFORNIA LEAD-FREE ACT AB1953.
7. BACKFLOW PREVENTION ASSEMBLIES SHALL BE LOCATED AS CLOSE AS PRACTICAL TO THE WATER METER BOX BUT NOT FURTHER THAN 3 FEET UNLESS A VARIANCE IS OBTAINED FROM AN EMWD CROSS-CONNECTION SPECIALIST PRIOR TO INSTALLATION.
8. NO OUTLETS, TEES, OR CONNECTIONS SHALL BE ALLOWED BETWEEN THE METER AND THE BACKFLOW PREVENTION ASSEMBLY.
9. BACKFLOW PREVENTION ASSEMBLIES SHALL MAINTAIN A VERTICAL CLEARANCE FROM THE LOWEST POINT OF 12 INCHES (MINIMUM) TO 36 INCHES (MAXIMUM) ABOVE FINISHED GRADE, WITH SIDE AND TOP CLEARANCES OF 12 INCHES (MINIMUM) FROM ANY OBSTRUCTIONS IN ALL DIRECTIONS.
10. POLYETHYLENE ENCASUREMENT SHALL BE INSTALLED PER ANSI/AWWA C105/A21.5 REQUIREMENTS. HIGH-DENSITY POLYETHYLENE (HDCLPE) SHALL BE A MINIMUM OF .004 (4 MIL) THICKNESS. LOW-DENSITY POLYETHYLENE (LLDPE) SHALL BE A MINIMUM OF .008 (8 MIL) THICKNESS.



RECOMMENDATIONS:






11. PARALLEL INSTALLATIONS OF THE SAME TYPE OF BACKFLOW PREVENTION ASSEMBLIES ARE STRONGLY RECOMMENDED FOR ALL FACILITIES REQUIRING UNINTERRUPTED WATER SUPPLY, SUCH AS, HOSPITALS AND SCHOOLS.
12. FREEZE PROTECTION IS RECOMMENDED, BUT THE RELIEF VALVE MUST BE ABLE TO VENT FREELY AND TESTCOCK OPENINGS SHALL BE LEFT EXPOSED. ALLOW FOR ADEQUATE ACCESS TO THE ASSEMBLY FOR TESTING, MAINTENANCE, AND PROPER DRAINAGE.
13. THEFT PREVENTION DEVICES ARE STRONGLY RECOMMENDED FOR BRONZE ASSEMBLIES ALLOWING ADEQUATE ACCESS TO THE ASSEMBLY FOR TESTING, MAINTENANCE, AND PROPER  DRAINAGE.

TABLE "A" 

METER SIZE	BACKFLOW SIZE
5/8" MULTIJET (15 GPM)	3/4"
3/4" MULTIJET (20 GPM)	3/4"
1" MULTIJET (30 GPM)	1"
1 1/2" MULTIJET (75 GPM)	1 1/2"
2" MULTIJET (120 GPM)	2"

ITEM	DESCRIPTION
1	3/4" THRU 2" REDUCED PRESSURE BACKFLOW PREVENTER WITH VALVES
2	COPPER ADAPTER, COPPER SOLDER JOINT x MALE IPT
3	COPPER WATER TUBE, TYPE L HARD OR BRASS
4	COPPER 90° ELBOW WITH COPPER SOLDER JOINTS
5	COPPER UNION WITH COPPER SOLDER JOINTS
6	COPPER ADAPTER, MALE SOLDER x MALE IPT
7	18" WIDE x 4" THICK CONCRETE PAD, LENGTH VARIES PER SIZE
8	POLYETHYLENE ENCASUREMENT (SEE NOTE 10)

REVISIONS				APPROVALS				EASTERN MUNICIPAL WATER DISTRICT STANDARD DRAWING	
NO.	DATE	INITIAL	DESCRIPTION	APP'D	DATE	INITIAL		DATE	REDUCED PRESSURE BACKFLOW PREVENTER ASSY FOR SIZES 3/4" THROUGH 2"
						DESIGN	VJB 5/12/11	APPROVED <i>Charlie Bachmann</i> 6/21/11 <small>ASSISTANT GENERAL MANAGER DATE</small>	
						CONSTRUCTION	MB 5/23/11		
	6-12-15	GS	UPDATED TITLE BLOCK, FONT, LOGO AND DELINEATION CALLOUT	AGA	9/11/20	INSPECTION	JEW 6/14/11		
			REVISED NOTE #1, 4, 5, & 12			OPERATIONS	KG 5/18/11		
	1-29-14	GS	REVISED NOTE #5 AND ADDED TABLE "A"	AGA	3/5/14	SUBMITTED	SMM 5/12/11		
REFERENCES:				SCALE: NONE		RECOMMENDED <i>Joe Mouawad</i> 6/21/11 <small>DIRECTOR OF ENGINEERING DATE</small>		B-597A 	
FILE I.D.: \kauai\eng\std dwgs\B-597A.dgn				DRAWN BY: GS					