NOTES:

1. PROVIDE A USC APPROVED BACKFLOW PREVENTION ASSEMBLY AS DESIGNATED BY EMWD APPROVED MATERIALS LIST SPECIFICATIONS. △2
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. △2
5. BACKFLOW PREVENTION ASSEMBLY SIZE SHALL MATCH THE DIAMETER OF THE METER IN ACCORDANCE WITH THE UNIFORM PLUMBING CODE; CHAPTER 6, SECTION 610 AS AMENDED, PER TABLE "A", OR AS APPROVED BY EMWD. △1 △2 △3
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 ENCASEMENT 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. △2

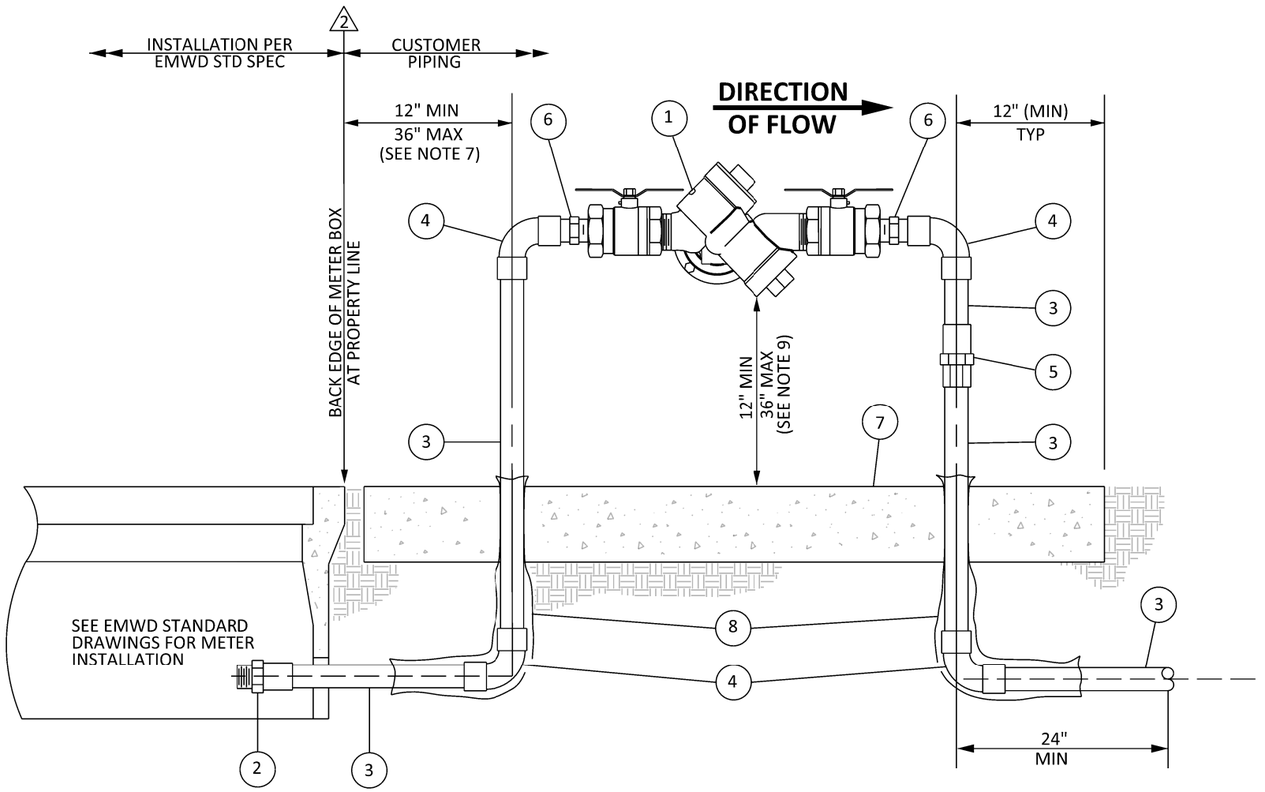

TABLE "A" △1

METER SIZE	BACKFLOW SIZE
⅝" MULTIJET (15 GPM)	¾"
¾" MULTIJET (20 GPM)	¾"
1" MULTIJET (30 GPM)	1"
1½" MULTIJET (75 GPM)	1½"
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 ENCASEMENT (SEE NOTE 10)

REVISIONS					
NO.	DATE	INITIAL	DESCRIPTION	APP'D	DATE
△3	3/24/21	GS	UPDATED NOTE #5	AGA	3/24/21
△2	9/11/20	GS	UPDATED TITLE BLOCK, FONT, LOGO AND DELINEATION CALLOUT REVISED NOTE #1, 4, 5, & 12	AGA	9/11/20
△1	1-29-14	GS	REVISED NOTE #5 AND ADDED TABLE "A"	AGA	3/5/14

REFERENCES:
FILE I.D.: \kauai\eng\std dwgs\B-597A.dgn
SCALE: NONE
DRAWN BY: GS

APPROVALS	INITIAL	DATE
DESIGN	VJB	5/12/11
CONSTRUCTION	MJ	5/23/11
INSPECTION	JEW	6/14/11
OPERATIONS	KG	5/18/11
SUBMITTED	SMM	5/12/11

emwd EASTERN MUNICIPAL WATER DISTRICT

RECOMMENDED Joe Mouawad 6/21/11
DIRECTOR OF ENGINEERING DATE

EASTERN MUNICIPAL WATER DISTRICT
STANDARD DRAWING

REDUCED PRESSURE BACKFLOW PREVENTER ASSY FOR SIZES 3/4" THROUGH 2"

APPROVED Charlie Bachmann 6/21/11
ASSISTANT GENERAL MANAGER DATE

B-597A △3