1. PROVIDE A USC APPROVED BACKFLOW PREVENTION ASSEMBLY AS DESIGNATED BY EMWD APPROVED MATERIALS LIST SPECIFICATIONS.

2. EMWD MAINTAINS RESPONSIBILITY FOR UPS ALONG THE RSG I/UP WAY. THE LCJ / LUMER IS RESPONSIBLE FOR LCJ 15-34 AND MAINTAIN THE BACKFLOW PREVENTION ASSEMBLY, IN ACCORDANCE WITH EMWD ADMINISTRATIVE CODE.

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. CERTIFICATION TESTING IS REQUIRED IMMEDIATELY AFTER AN ASSEMBLY IS RELOCATED, REPLACED, REPAIR, NEW INSTALLATION ACCEPTANCE AND WATER DELIVERY PER EMWD ADMINISTRATIVE CODE PRIOR TO NEW INSTALLATION ACCEPTANCE AND WATER DELIVERY.

5. BACKFLOW PREVENTION ASSEMBLY SIZE SHALL BE BASED ON THE REQUIRED FIRE FLOW DEMAND.

6. BACKFLOW PREVENTION ASSEMBLY INSTALLATIONS INCLUDING ALL APPURtenances FOR THE SUPPLY OF DOMESTIC WATER SHALL COMPLY WITH THE REQUIREMENTS OF THE CALIFORNIA FIRE CODE FFIRE ACT 81/91. THE USE OF A DCDA FOR FIRE SYSTEMS OR LANDSCAPING ARE NOT REQUIRED TO BE FLAME-FREE.

7. BACKFLOW PREVENTION ASSEMBLIES SHALL BE LOCATED AS CLOSE AS PRACTICAL TO THE RIGHT OF WAY BUT NOT LESS THAN TEN FEET UNLESS A VARIANCE IS OBTAINED FROM AN EMWD CROSS-CONNECTION SPECIALIST PRIOR TO INSTALLATION. ASSEMBLY SHALL BE VISILE AND READILY ACCESSIBLE FROM THE RIGHT-OF-WAY AND MEET ALL CITY ZONING AND BUILDING CODES.

8. NO OUTLETS, TEE'S, OR CONNECTIONS SHALL BE ALLOWED BETWEEN EMWD RSG I/UP AND BACKFLOW 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 5 DEG AND TOP CLEARANCES OF 12 INCHES (MINIMUM) FROM ANY OBSTRUCTIONS IN ALL DIRECTIONS.

10. POLYETHYLENE ENCASMENT SHALL BE INSTALLED PER ANSI/AWWA C150/A21.5 REQUIREMENTS. HIGH-DENSITY POLYETHYLENE (HDPE) SHALL BE A MINIMUM OF .004 (4 MIL) THICKNESS. LOW-DENSITY POLYETHYLENE (LDPE) SHALL BE A MINIMUM OF .008 (8 MIL) THICKNESS.

11. ALL DUCTILE IRON JOINTS SHALL BE RESTRAINT TYPE.

12. ALL CMLC PIPE TO MEET EMWD SPECIFICATION 15061.

13. 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.

14. FREEZE PROTECTION IS RECOMMENDED, BUT THE RELIEF VALVE MUST BE ABLE TO VENT FREELY AND TESTS OF OPENINGS SHALL BE LEFT EXPOSED.

15. THIEF PREVENTION DEVICES ARE STRONGLY RECOMMENDED FOR BRONZE ASSEMBLIES. EMWD MUST PROVIDE ACCESS TO THE ASSEMBLY FOR TESTING. THEFT PREVENTION DEVICES SHALL PROVIDE ACCURATE ACCESS FOR MAINTENANCE AND MAINTAIN PROPER DRAINAGE.

RECOMMENDATIONS

NOTE: ALL DI JOINTS SHALL BE RESTRAIN TYPE

A+PROVALS

REVIEWS

NO. DATE INITIAL DESCRIPTION APP'D DATE INITIAL DATE
1 6/3/17 GS UPDATED TITLE BLOCK, FONT, NAME & LOGO KG 6/3/17
2 5/15/15 GS REMOVED VALVE INSTALLATION, REVISED NOTES, PARTS KG 5/15/15
3 1/8/03 CM REMOVE 12" DCDA & RPDA, ADJ AASHO Rated VIK 1/8/03 SUBMITTED 1/8/03

REFERENCES:
FILE I.D.: VUSA0hng Ltd dwg/8-657.dgn
DRAWN BY: GS
DIRECTOR OF ENGINEERING
APPROVED:
CHARLA BUCKMANN
12/3/97
ASSISTANT GENERAL MANAGER
DATE
DATE

EASTERN MUNICIPAL WATER DISTRICT
STANDARD DRAWING
4", 6", 8", 10", OR 12" DOUBLE CHECK DETECTOR ASSEMBLY
REDUCED PRESSURE DETECTOR ASSEMBLY

B-657