NOTES:
1. DOUBLE CHECK BACKFLOW PREVENTER ASSEMBLIES MAY ONLY BE INSTALLED FOR LOW HAZARD (NON-CHEMICAL) AREAS AND MUST BE APPROVED BY BOTH EMWD INSPECTION AND CROSS CONNECTION STAFF.
2. PROVIDE AN USG APPROVED BACKFLOW PREVENTION ASSEMBLY AS DESIGNATED BY EMWD APPROVED MATERIALS LIST SPECIFICATIONS.
3. EMWD MAINTENANCE RESPONSIBILITY ENDS AT THE METER. THE CUSTOMER IS RESPONSIBLE TO TEST AND MAINTAIN THE BACKFLOW PREVENTION ASSEMBLY, IN ACCORDANCE WITH EMWD ORD. 89.
4. ONLY RIVERSIDE COUNTY CERTIFIED BACKFLOW TESTERS LISTED ON THE EMWD APPROVED BACKFLOW TESTER LIST ARE ALLOWED TO TEST AND MAINTAIN BACKFLOW ASSEMBLIES WITHIN EMWD SERVICE AREA.
5. BACKFLOW CERTIFICATION TESTING IS REQUIRED ANNUALLY AT A MINIMUM BUT MAY BE MORE FREQUENT AS DEEMED NECESSARY BY EMWD. CERTIFICATION TESTING IS REQUIRED IMMEDIATELY AFTER AN ASSEMBLY IS RELOCATED, REPLACED, REPAIRED, NEW INSTALLATION ACCEPTANCE AND WATER DELIVERY PER EMWD ORD. 89.
6. BACKFLOW PREVENTION ASSEMBLY SIZE SHALL MATCH THE DIAMETER OF THE METER IN ACCORDANCE WITH THE UNIFORM PLUMBING CODE: CHAPTER 6, SECTION 613 AS AMENDED, OR UP TO 1" INCH LARGER.
7. BACKFLOW PREVENTION ASSEMBLY INSTALLATIONS INCLUDING ALL APPURTENANCES FOR THE SUPPLY OF DOMESTIC WATER SHALL COMPLY WITH THE REQUIREMENTS OF THE CALIFORNIA LEAD-FREE ACT AB1553.
8. 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.
9. NO OUTLETS, TEES, OR CONNECTIONS SHALL BE ALLOWED BETWEEN THE METER AND THE BACKFLOW PREVENTION ASSEMBLY.
10. 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.
11. POLYETHYLENE ENGAGEMENT SHALL BE INSTALLED PER ANSI/AWWA C150/CS1.5 REQUIREMENTS.
HIGH-DENSITY POLYETHYLENE (HDPE) SHALL BE A MINIMUM OF .994 (4 MIL) THICKNESS.
LOW-DENSITY POLYETHYLENE (LDPE) SHALL BE A MINIMUM OF .060 (8 MIL) THICKNESS.
RECOMMENDATIONS:
12. PARALLEL INSTALLATIONS OF THE SAME TYPE OF BACKFLOW PREVENTION ASSEMBLIES ARE STRONGLY RECOMMENDED FOR ALL FACILITIES REQUIRING UNINTERRUPTED WATER SUPPLY.
13. FREEZE PROTECTION IS RECOMMENDED. TEST DRAIN OPENINGS SHALL BE LEFT EXPOSED.
14. THEFT PREVENTION DEVICES ARE STRONGLY RECOMMENDED FOR BRONZE ASSEMBLIES ALLOWING ADEQUATE ACCESS TO THE ASSEMBLY FOR TESTING AND MAINTENANCE.

ITEM DESCRIPTION
1 2-1/2" AND 3" DOUBLE CHECK BACKFLOW PREVENTER ASSEMBLY WITH VALVES
2 ADJUSTABLE PIPE SUPPORT
3 COPPER RD ELBOW, CLOSE HOUSING, SLIP JT X SOLDER JT
4 COPPER WATER TUBE, TYPE L, HARD
5 COPPER RD ELBOW, CLOSE HOUSING, SOLDER JOINTS
6 CL 150 CAST S/G, COMPANION FLANGE WITH THD SOLDER JOINT END
7 24" WIDE X 4" THICK CONCRETE PAD, LENGTH VARIES PER BACKFLOW SIZE
8 POLYETHYLENE ENGAGEMENT (SEE NOTE 10)