NOTES:
1. PROVIDE A GC APPROVED BACKFLOW PREVENTION ASSEMBLY AS DESIGNATED BY EMWD APPLICA MATERIALS LIST SPECIFICATIONS.
2. EMWD MAINTENANCE RESPONSIBILITY STOP 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 TISTER 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 ANY 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 ASSEMBLIES INSTALLATIONS INCLUDING ALL APPURTENANCES FOR THE SUPPLY OF DOMESTIC WATER SHALL COMPLY WITH THE REQUIREMENTS OF THE CALIFORNIA LEAD-FREE ACT AB 1953.
7. BACKFLOW PREVENTION ASSEMBLIES SHALL BE LOCATED AS CLOSE AS PRACTICAL TO THE WATER METER BOX BUT NOT FURTHER THAN 1 FEET UNLESS A VARIANCE IS GRANTED 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 16 INCHES (MAXIMUM) ABOVE FINISHED GRADE, WITH SIDE AND TOP CLEARANCES OF 12 INCHES (MINIMUM) FROM ANY OBSTRUCTIONS IN ALL DIRECTIONS.
10. POLYETHYLENE ENCASING MUST BE INSTALLED PER ANG/AMWA CODE 1.1 REQUIREMENTS. HIGH-DENSITY POLYETHYLENEM (HDPE) SHALL BE A MINIMUM OF .04 (4 MILL) THICKNESS, LOW-DENSITY POLYETHYLENE (LDPE) SHALL BE A MINIMUM OF .08 (8 MILL) 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 HAVE VARIABLE FRED AND TEST COCK OPENINGS SHALL BE LEFT EXPOSED. ALLOW FOR ADEQUATE ACCESS TO THE ASSEMBLY FOR TESTING, MAINTENANCE, AND PROPER DRAINAGE.
13. THE PREVENTION DEVICES ARE STRONGLY RECOMMENDED FOR BRONZE ASSEMBLIES ALLOWING ADEQUATE ACCESS TO THE ASSEMBLY FOR TESTING, MAINTENANCE, AND PROPER DRAINAGE.

<table>
<thead>
<tr>
<th>TABLE &quot;A&quot;</th>
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</thead>
<tbody>
<tr>
<td>METER SIZE</td>
</tr>
<tr>
<td>1/2&quot; MULTIET (15 GPM)</td>
</tr>
<tr>
<td>1&quot; MULTIET (20 GPM)</td>
</tr>
<tr>
<td>3/4&quot; MULTIET (10 GPM)</td>
</tr>
<tr>
<td>1 1/2&quot; MULTIET (75 GPM)</td>
</tr>
<tr>
<td>2&quot; MULTIET (125 GPM)</td>
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</tbody>
</table>

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 5 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 ENCASING (SEE NOTE 10)

REVISIONS

FILE I.D.: \ven\emw\uds\dwdg\B-597A.dgn
DRAWN BY: GS
SCALE: NONE
REFERENCES:

APPROVALS

EASTERN MUNICIPAL WATER DISTRICT
STANDARD DRAWING
REDUCED PRESSURE BACKFLOW PREVENTER ASSY FOR SIZES 3/4" THROUGH 2"
APPROVED: CHARLIE BUCKMAN
ASSISTANT GENERAL MANAGER
DATE: 06/14

REFERENCES:

FILE I.D.: \ven\emw\uds\dwdg\B-597A.dgn
DRAWN BY: GS
SCALE: NONE

RECOMMENDED: JON MEIER
DIRECTOR OF ENGINEERING
DATE: 06/14

APPROVED: CHARLIE BUCKMAN
ASSISTANT GENERAL MANAGER
DATE: 06/14

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