NOTES:

1. PROVIDE AN LUC/Approved Backflow Prevention Assembly as designated by EMWD Approved Materials List Specifications.
2. EMWD Maintenance Responsibility stops at the Meter. The customer is Maintain the Backflow Prevention Assembly, in accordance with EMWD Ord. 69, RESPONSIBLE TO TEST AND.
3. ONLY RIVERSIDE COUNTY CERTIFIED BACKFLOW "ESTERS 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 AT A MINIMUM BUT MAY BE MORE FREQUENT AS CEEMED NECESSARY BY EMWD. CERTIFICATION TESTING IS REQUIRED IMMEDIATELY AFTER AN ASSEMBLY IS RELOCATED, REPLACED, REPAIRED, NEW INSTALLATION ACCEPTANCE AND WATER DELIVERY PER EMWD ORD. 69 PRIOR TO NEW INSTALLATION ACCEPTANCE AND WATER DELIVERY.
5. BACKFLOW PREVENTION ASSEMBLY SIZE SHALL MATCH THE DIAMETER OF THE METER IN ACCORDANCE WITH THE UNIFORM PLANING CODE, CHAPTER 6, SECTION 6.10.1 AS AMENDED, PER TABLE "A" OR AS APPROVED 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 AB 1953.
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, TEE'S, 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 (HDPE) SHALL BE A MINIMUM OF .004 (4 MIL) THICKNESS. LOW-DENSITY POLYETHYLENE (LDPE) 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 UNINTERUPTED WATER SUPPLY, SUCH AS HOSPITALS AND SCHOOLS. WHEN THE METER CAPACITY EXCEEDS THE 3" BACKFLOW CAPACITY, PARALLEL BACKFLOWS SHALL BE INSTALLED. SEE MANIFOLD DETAIL.
12. FREEZE PROTECTION IS RECOMMENDED, BUT THE RELIEF VALVE MUST BE Able TO VENT FREELY AND TESTCOCK OPENINGS SHALL BE LEFT EXPOSED.
13. THEFT PREVENTION DEVICES ARE STRONGLY RECOMMENDED FOR BRONZE ASSEMBLIES ALLOWING ACCESS TO THE ASSEMBLY FOR TESTING, MAINTENANCE, AND PROPER DRAINAGE.

TABLE "A"

<table>
<thead>
<tr>
<th>METER SIZE</th>
<th>BACKFLOW SIZE</th>
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<tbody>
<tr>
<td>3&quot; SENSU C2 (400 GPM)</td>
<td>4&quot;</td>
</tr>
<tr>
<td>3&quot; SENSU T1 (500 GPM)</td>
<td>4&quot;</td>
</tr>
<tr>
<td>4&quot; SENSU C2 (800 GPM)</td>
<td>6&quot;</td>
</tr>
<tr>
<td>4&quot; SENSU T1 (1,000 GPM)</td>
<td>6&quot;</td>
</tr>
<tr>
<td>6&quot; SENSU C2 (1,600 GPM)</td>
<td>8&quot;</td>
</tr>
<tr>
<td>6&quot; SENSU T1 (2,000 GPM)</td>
<td>10&quot;</td>
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REVISIONS

<table>
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<th>NO.</th>
<th>DATE</th>
<th>INITIAL</th>
<th>DESCRIPTION</th>
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<tr>
<td>1</td>
<td>9/15/20</td>
<td>GS</td>
<td>UPDATED TITLE BLOCK, FONT AND LOGO</td>
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<tr>
<td>2</td>
<td>3/3/14</td>
<td>GS</td>
<td>REVISED NOTE #5, ADDED TABLE &quot;A&quot;, AND MANIFOLD DETAIL</td>
</tr>
</tbody>
</table>

REFERENCES:

FILE I.D.: \vau\emwd\std\drawg\B-597C.dgn
DRAWN BY: GS
RECOMMENDED, Joe Minnwood 02/11/13
DIRECTOR OF ENGINEERING

EMWD STD SPEC
EMWD STANDARD DRAWING

REDUCED PRESSURE BACKFLOW PREVENTER ASSY SIZES 4" THROUGH 10"

RECOMMENDED, Charlie Bachmann 02/11
ASSISTANT GENERAL MANAGER

DATE:

EASTERN MUNICIPAL WATER DISTRICT
STANDARD DRAWING

B-597C