



**NOTES:**

- A) ALL DIMENSIONS SHOWN ARE MINIMUM ALLOWABLE, EXCEPT 17" ABOVE FLOOR.
- B) APPROVED DOUBLE CHECK DETECTOR CHECK WITH BY-PASS METER. USE ON SYSTEMS WITH LOW BACKFLOW HAZARD. MUST CONFORM TO AWWA C-506 AND A.S.S.E. NO. 1015. USE AMES 3000 SS, CONBRACO DCDA 40-600, WATTS 709 DCDA OSYRW OR APPROVED EQUAL. HORIZONTAL OR VERTICAL INSTALLATION PERMITTED.
- C) APPROVED REDUCED PRESSURE PRINCIPAL (RPZ) DETECTOR CHECK WITH BY-PASS METER. USE ON FIRE SPRINKLER SYSTEMS WITH FIRE SUPPRESSION ADDITIVES, ANTI-FREEZE AND ALL TYPES OF BACKFLOW HAZARD. MUST CONFORM TO AWWA C-506 AND A.S.S.E. 1013. USE AMES 4000 SS, FEBCO 826YD, WATTS 994 RPDA. HORIZONTAL INSTALLATION REQUIRED.
- D) 3/4-INCH BY-PASS METER IN CUBIC FEET. FURNISHED AND INSTALLED BY CONTRACTOR. HORIZONTAL INSTALLATION REQUIRED.
- E) GATE VALVES SHALL BE OUTSIDE SCREW AND YOKE RESILIENT WEDGE CONFORMING TO UL, FM AND AWWA C-509. USE AMERICAN FLOW CONTROL SERIES 500 OR 2500, CLOW RW F6136, KENNEDY KEN SEAL II, MUELLER A-2473-6 OR APPROVED EQUAL.
- F) ALL PIPING, GATE VALVES AND BACKFLOW PREVENTER MUST BE PROPERLY SUPPORTED AND ALL JOINTS RESTRAINED.
- G) ALL PIPING BEFORE METER ASSEMBLY SHALL BE DUCTILE IRON WITH RETAINER GLANDS AT ALL JOINTS AS REQUIRED BY WATER INSPECTOR.
- H) UNDERGROUND PIPING IN PROPERTY BY LICENSED PLUMBER. ST. PAUL REGIONAL WATER SERVICES PERMITS AND INSPECTIONS ARE NECESSARY. CALL 651-266-6270 FOR PERMITS AND INSPECTIONS.
- I) TESTING AND CERTIFICATION OF BACKFLOW PREVENTER SHALL BE ACCORDING TO MINNESOTA STATE PLUMBING CODE.

DR. V.B. TR.
CH. TGJ
APPROVED DDW 08/28/02

<b>SAINT PAUL REGIONAL WATER SERVICES</b> ST. PAUL, MINNESOTA  <b>TYPICAL FIRE METER ASSEMBLY</b> <b>FOR USE ON FIRE PROTECTION SYSTEM SERVICES</b> <b>CLASS 3, 4, 5 &amp; 6 (AWWA MANUAL M-14)</b>
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SCALE NONE
REDRAWN 12/10/96
REVISIONS 05/11/95 08/28/02 03/07/96 08/21/00 01/23/02
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