



**PLAN - FM METER WITH CHECK VALVE IN VAULT
TYPICAL PIPING LAYOUT**

NOTES:

1. FOR FM METER WITH CHECK VALVE VAULT AND PIPING DETAILS, SEE DETAIL W/5.0b and w/5.0c.
2. PROVIDE M.J. SOLID SLEEVE WHERE SHOWN WITH WEDGE ACTION RESTRAINER GLAND, SEE SPECIFICATIONS. TOLERANCE BETWEEN PIPE ENDS SHALL NOT EXCEED 1/2". DO NOT USE PIPE SPACERS, SEE SPECIFICATIONS.
3. ONLY DUCTILE IRON PIPE AND FITTINGS, EXCEPT AS NOTED. SEE DRAWINGS FOR SIZES.
4. RESTRAIN ALL JOINTS ON BY-PASS PIPING FROM TEE TO TEE WITH WEDGE ACTION RESTRAINER GLANDS, SEE SPECIFICATIONS. RESTRAIN ALL JOINTS ON FIRE HOSE CONNECTION PIPING WITH WEDGE ACTION RESTRAINER GLANDS, SEE SPECIFICATIONS.
5. PROVIDE EXTENSION STEMS AND VALVE BOXES FOR ALL BURIED VALVES, SEE DETAIL W/2.2.
6. V-BIO POLYETHYLENE ENCASEMENT FOR ALL DUCTILE IRON PIPE AND FITTINGS. SEE DETAIL W/2.8 FOR CONCRETE INTERFACE.
7. PROVIDE RUBBER ANNULAR HYDROSTATIC SEALING DEVICES FOR ALL PIPE THROUGH WALL CONNECTIONS, SEE SPECIFICATIONS.

BY-PIPE SIZE	
FM METER SIZE	BY-PASS PIPE SIZE
4"	4"
6"	6"
8"	8"

"A" DIMENSION (SEE DETAIL W/5.0b OR W/5.0c)	
FM METER SIZE	"A" (LENGTH OF METER)
4"	33"
6"	45"
8"	53"

WASHINGTON
SUBURBAN
SANITARY
COMMISSION

APPROVED:

9/28/16

Chief Engineer

STANDARD DETAIL
4-INCH, 6-INCH AND 8-INCH
F.M. METER WITH CHECK VALVE
IN VAULT
PIPING LAYOUT

W
5.0d