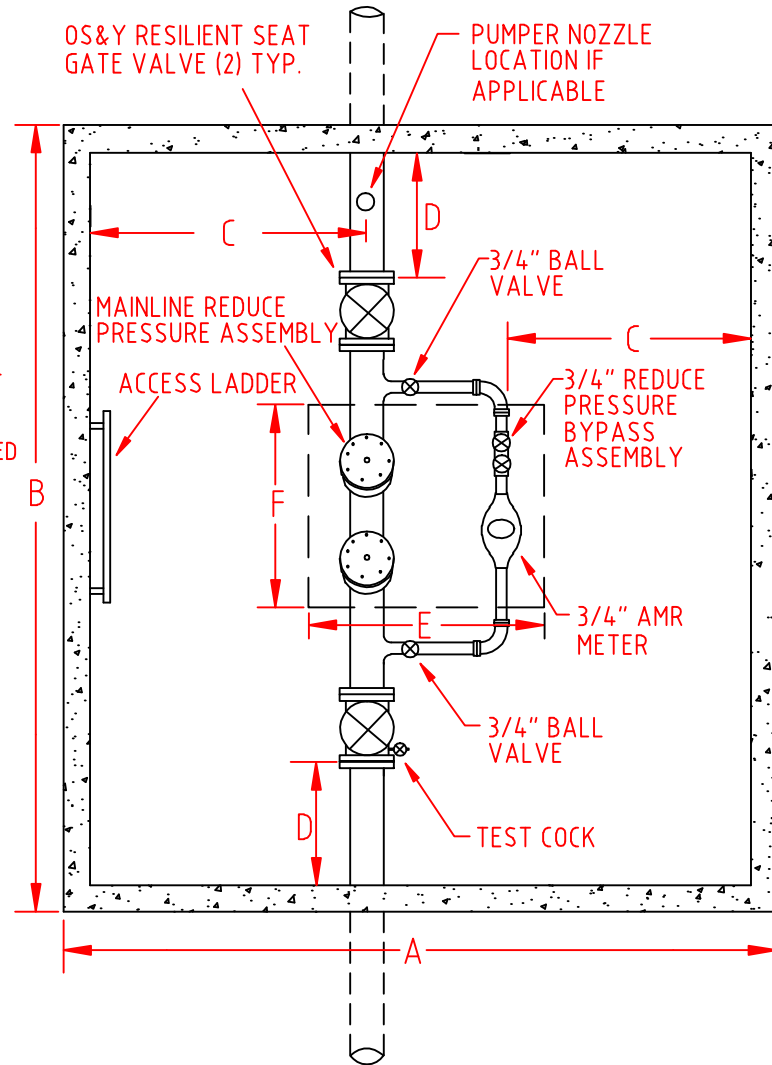


## GENERAL NOTES:

- (1) RPDVA SHALL BE INSTALLED FOR CUSTOMER APPLICATIONS APPROVED BY THE UNION COUNTY PUBLIC WORKS.
- (2) RPDVA SHALL BE DEPENDING ON MODEL AND SIZE (FEBCO 826YD OR APPROVED EQUAL). MANUFACTURER SHALL PROVIDE WRITTEN CERTIFICATION TO THE COUNTY OF FACTORY TESTING AND CALIBRATION OF THE SPECIFIC RPDVA WITHIN AWWA STANDARDS.
- (3) OWNER SHALL PROVIDE WRITTEN CERTIFICATION TO THE COUNTY THAT THE RPDVA HAS BEEN TESTED BY A CERTIFIED BACKFLOW PREVENTION TECHNICIAN AFTER INSTALLATION.
- (4) COUNTY APPROVED 3"-10" RPDVA INCLUDES SHUTOFF VALVES AS PART OF THE ASSEMBLY. SHUT OFF VALVES SHALL BE OS&Y RESILIENT SEAT GATE VALVES WITH HANDWHEEL OPERATORS AND SHALL CONFORM TO AWWA C500 LATEST EDITION. RPDVA SHALL BE SUPPORTED AT CENTER WITH A MASONRY PEDESTAL ADEQUATE TO MAINTAIN THE WEIGHT OF THE STRUCTURE AND PLUS AN ADDITIONAL 1,000 POUND LOAD.
- (5) RPDVA PIPING AND FITTINGS SHALL BE DUCTILE IRON (AWWA C151) CLASS 350 AND SHALL BE RESTRAINED JOINT OR FLANGED AS INDICATED ON THE DETAIL. RESTRAINED JOINTS SHALL BE MEGA-LUG RESTRAINED OR AN APPROVED EQUAL. RPDVA SHALL INCLUDE 4 HOUR TEST COCKS WITH 3/4" BALL VALVES AT LOCATIONS SHOWN.
- (6) RPDVA SHALL BE LOCATED OR SUFFICIENTLY PROTECTED FROM VEHICULAR TRAFFIC LAWN MOWERS OR OTHER FORESEEABLE OCCURENCES ON PROPERTY THAT COULD CAUSE DAMAGE TO THE STRUCTURE.
- (7) ALL VAULTS SHALL BE CONCRETE OR MASONARY AND SHALL HAVE A MINIMUM 3800 PSI TENSILE STRENGTH AND CAPABLE OF WITHSTANDING 150 PSF LOADING IN NON TRAFFIC AREAS. VAULTS WITHIN TRAFFIC AREAS SHALL BE DESIGNED TO WITHSTAND H2O LOADING.
- (8) ACCESS HATCHES SHALL BE ALUMINUM 150 PSF WITH LOCKABLE COVER DEVICE. MANUFACTURER SHALL BE BILCO, HALIDAY OR APPROVED EQUAL.
- (9) REDUCED PRESSURE DETECTOR ASSEMBLY SHALL BE ABOVE GROUND ONLY.

VAULT DIMENSIONS (MINIMUM DIMENSIONS INCHES)							
RPDVA SIZE	A	B	C	D	E	F	DEPTH
3 INCH	72	96	24	18	24	30	48
4 INCH	72	96	24	18	24	30	60
6 INCH	72	120	24	18	36	36	60
8 INCH	72	120	24	18	36	36	72
10 INCH	72	144	24	18	48	48	72



STANDARD DETAIL

UNION COUNTY PUBLIC WORKS DEPARTMENT  
UNION COUNTY, N.C.

FIRE LINE METER VAULT  
REDUCED PRESSURE DETECTOR ASSEMBLY DETAIL

SCALE:  
N.T.S.  
DATE:  
6-12-08

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