



MATERIALS		
ITEM	QUAN.	DESCRIPTION
1	1	REDUCED PRESSURE ZONE DEVICE
2	2	O.S. & Y RESILIENT GATE VALVES
3	4	TEST COCKS W/ NO-LEAD BRASS PLUGS
4	2	2" SCH 40 GALV. PIPE STAND & BASE BOLTED TO FLANGE
5	2	MJ 45° OR 90° BENDS
6	2	FLANGED 45° OR 90° BENDS
7	6	RESTRAINED FLANGE ADAPTERS, MEGALUG (OR EQUIVALENT)
8	1	2' X 2' MIN. HATCH W/ LOCKING HASP
9		DI OR PVC PIPE, MECHANICAL JOINT W/ MEGALUG (OR EQUIVALENT)
10		DUCTILE IRON PIPE, CUT TO FIT W/ MEGALUGS
11		GRAVEL OR CONCRETE SLAB WITH GRAVEL DRAIN (BELOW GRADE VAULT)
12	2	DRAIN PORTS SIZE ACCORDING TO PIPE SIZE (ABOVE GRADE VAULT)
13	1	3/8 ALUMINUM TREAD PLATE / HATCH COVER W/ SUPPORTS AS NECESSARY
14	1	BOX-CONCRETE BLOCK, POURED CONCRETE OR PREFABRICATED BOX, HOT BOX OR EQUAL, ALL BACKFLOWS SHALL BE ENCLOSED

NOTES:

- FOR FINAL APPROVAL, ASSEMBLY MUST BE CENTERED IN ENCLOSURE. UNDER NO CONDITION WILL ANY CONNECTION BE ALLOWED BETWEEN THE SERVICE METER AND BACKFLOW PREVENTER. BACKFLOW PREVENTER SHALL ALWAYS BE INSTALLED IMMEDIATELY DOWNSTREAM OF METER.
- IF A PRESSURE MONITOR IS TO BE INSTALLED, ADD A TEE, VALVE, FITTINGS, AND MOUNT ON SUPPLY

- SIDE PRIOR TO BACKFLOW PREVENTER. UNDER NO CIRCUMSTANCE SHALL TEST PORTS BE MODIFIED OR UTILIZED FOR ANY USE, OTHER THAN BACKFLOW DEVICE TESTING.
- ALL MECHANICAL JOINTS MUST BE RESTRAINED.
- PROVIDE A MINIMUM CLEARANCE OF 12 INCHES BETWEEN THE INSIDE FACE OF THE ENCLOSURE AND THE PIPING AND VALVES.

TYPICAL OUTSIDE INSTALLATION
(3", 4", 6", 8", 10" & 12" SIZES)

**REDUCED PRESSURE ZONE DEVICE FOR
DOMESTIC SYSTEM (3" AND LARGER)**

STANDARD
CONSTRUCTION
DETAILS



CITY OF
savannah
WATER RESOURCES AND PUBLIC WORKS BUREAU
Planning & Engineering

SCALE: N.T.S.
DATED: JAN 2017
PLATE NUMBER:
W15