



MATERIALS		
ITEM	QUAN.	DESCRIPTION
1	1	REDUCED PRESSURE ZONE DEVICE W/ DETECTOR & DETECTOR CHECK
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 ADAPTER FLANGE, MEGALUG (OR EQUIVALENT)
8	1	2' X 2' MIN. HATCH W/ LOCKING HASP (BELOW GRADE VAULT)
9		DI PIPE OR PVC W/ RESTRAINED MECHANICAL JOINT W/ MEGALUG (OR EQUIV)
10		DUCTILE IRON PIPE, CUT TO FIT W/ MEGALUG (OR EQUIVALENT)
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/ SUPPORT FRAME 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 (IF APPLICABLE). UNDER NO CONDITION WILL ANY CONNECTION BE ALLOWED BETWEEN THE BACKFLOW PREVENTER AND SERVICE METER. BACKFLOW PREVENTER SHALL ALWAYS BE INSTALLED IMMEDIATELY DOWNSTREAM OF METER.
- UNDER NO CIRCUMSTANCE SHALL TEST PORTS BE MODIFIED OR UTILIZED FOR ANY USE OTHER THAN BACKFLOW DEVICE TESTING.

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

**REDUCED PRESSURE DETECTOR ASSEMBLY
FOR FIRE 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:
W20B