



### MATERIALS

ITEM	QUAN	DESCRIPTION
1	2	FULL PORT BALL VALVE
2	1	REDUCED PRESSURE ZONE DEVICE
3	4	NO-LEAD BRASS ELLS THREADED OR FLANGED
4	1	STRAINER (OPTIONAL) W/ RPZ DEVICE (SEE NOTE 3)
5	6	NO-LEAD BRASS OR COPPER ONLY, NIPPLES CUT TO LENGTH
6	4	TEST COCKS W/ NO-LEAD BRASS PLUGS
7	1	DRAIN PORT
8		POLYETHYLENE OR COPPER
9	1	PREFABRICATED ENCLOSURE BY HOT BOX OR EQUAL
10	2	NO-LEAD BRASS UNION (SEE NOTE 3)
11		TRACER WIRE
12		4" CONCRETE SLAB ON GRADE

#### 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.
- UNDER NO CIRCUMSTANCE SHALL TEST PORTS BE MODIFIED OR UTILIZED FOR ANY USE OTHER THAN BACKFLOW DEVICE TESTING.
- ITEMS #4 AND #10 (THE STRAINER AND THE UNIONS) MAY BE INSTALLED ON THE VERTICAL RISERS TO REDUCE THE OVERALL LAYING LENGTH.

TYPICAL OUTSIDE INSTALLATION  
(3/4", 1", 1-1/2", 2", & 2-1/2" SIZES)

## REDUCED PRESSURE ZONE (RPZ) BACKFLOW PREVENTER FOR DOMESTIC SYSTEM (2-1/2" AND SMALLER)

STANDARD  
CONSTRUCTION  
DETAILS



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

SCALE: N.T.S.  
DATED: JAN 2017  
PLATE NUMBER:  
**W16**