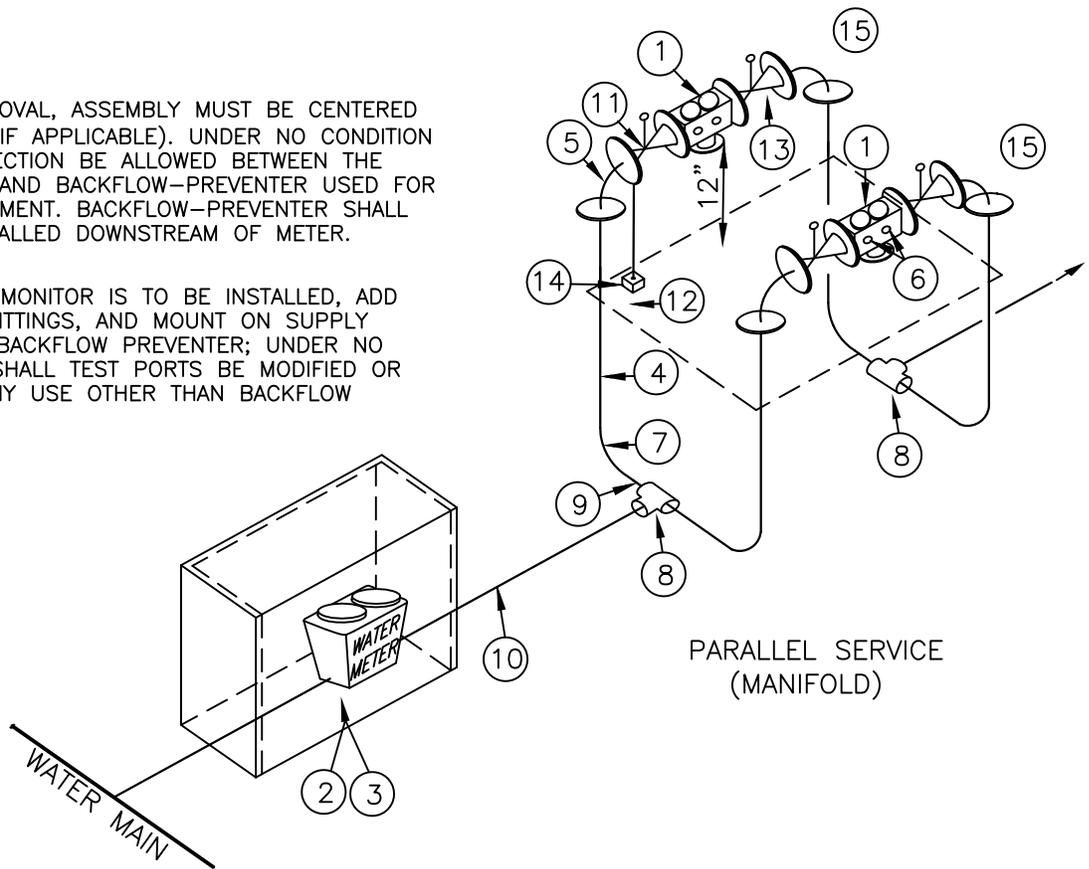


**NOTES:**

1. FOR FINAL APPROVAL, ASSEMBLY MUST BE CENTERED IN ENCLOSURE (IF APPLICABLE). UNDER NO CONDITION WILL ANY CONNECTION BE ALLOWED BETWEEN THE SERVICE METER AND BACKFLOW-PREVENTER USED FOR SYSTEM CONTAINMENT. BACKFLOW-PREVENTER SHALL ALWAYS BE INSTALLED DOWNSTREAM OF METER.
2. 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.



**MATERIALS**

ITEM	QUAN	DESCRIPTION	ITEM	QUAN	DESCRIPTION
1	2	REDUCED PRESSURE ZONE DEVICES.	8	2	NO-LEAD BRASS OR COPPER TEES. DUCTILE IRON TEE'S FOR 3" & ABOVE.
2	1	WATER METER IN BOX (3/4" TO 1-1/2" SIZE).	9	4	NO-LEAD BRASS OR COPPER NIPPLES CUT TO LENGTH. DUCTILE IRON FOR 3"& ABOVE.
3	1	2" & LARGER METERS IN CITY SPEC'D PIT.	10		NO-LEAD BRASS OR COPPER PIPE. DUCTILE IRON FOR 3"& ABOVE.
4	4	NO-LEAD BRASS OR COPPER CUT TO LENGTH. THIS ILLUSTRATION IS FOR 5/8" - 2" RPZ & DCA'S MIN. 12" ABOVE GRADE. DUCTILE IRON PIPE FOR ANY INSTALLATION W/ 3" - 8" RPZ & DCA.	11	4	RESILIENT TYPE GATE VALVES (BALL VALVES FOR 3/4" - 2").
5	4	FLG OR THRD NO-LEAD BRASS OR COPPER ELLS. DUCTILE IRON FOR 3" & ABOVE.	12		4" CONCRETE SLAB. (12" MIN. FROM RPZ).
6	8	TEST COCKS W/ NO-LEAD BRASS PLUGS.	13		MEGALUGS REQUIRED AS DIRECTED BY THE WATER DEPARTMENT.
7	4	NO-LEAD BRASS OR COPPER ELLS. DUCTILE IRON FOR 3" & ABOVE.	14		PIPE SUPPORT FOR ALL ASSEMBLIES AS DIRECTED BY THE WATER DEPARTMENT.
			15		ENCLOSURE REQUIRED, HOTBOX OR APPROVED EQUAL.

TYPICAL OUTSIDE INSTALLATION  
REDUCED PRESSURE ZONE (RPZ) BACKFLOW PREVENTER

RPZ BACKFLOW PREVENTER – PARALLEL SERVICE (MANIFOLD)

STANDARD  
CONSTRUCTION  
DETAILS



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

SCALE: N.T.S.  
DATED: JAN 2017  
PLATE NUMBER:  
**W18**