



City of Plant City
List of Approved Reduce Pressure Backflow Assemblies (R.P.)
As of October 24, 2003

<u>MANUFACTURE</u>	<u>SERIES/MODEL</u>	<u>SIZES</u>
• Conbraco	40 - 200	¾" - 10"
• Febco	825YD	2 ½" - 10"
• Watts	909	3" - 10"
• Wilkins	975XL	¾" - 2"
• Wilkins	975	2 ½" - 10"

CITY OF PLANT CITY

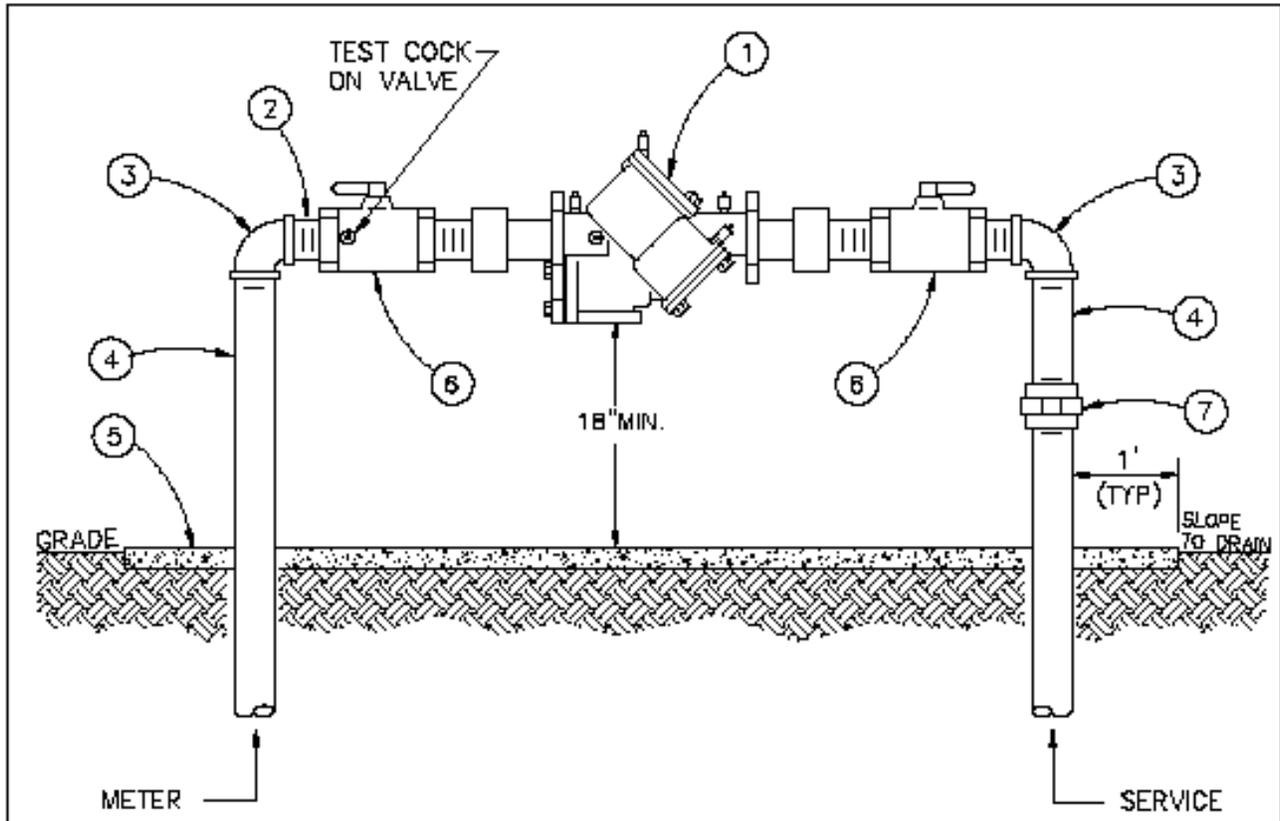


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M A T E R I A L S		
ITEM	QUANT.	DESCRIPTION
1	1	2" BACKFLOW PREVENTER ASSEMBLY
2	2	2" x NOM. NIPPLES - BRASS OR GALVANIZED
3	2	2" x 90° ELBOWS - GALVANIZED
4	2	2" x VARIES RISER - GALVANIZED
5	-	4" CONCRETE SLAB (2" ABOVE GRADE)
6	2	BALL VALVE
7	1	UNION

NOTES:

1. INSTALLATION SHOWN ABOVE IS FOR A 2" SERVICE. CHANGE PIPING MATERIALS ACCORDINGLY FOR SERVICE SIZE.
2. CONCRETE SLAB SHALL BE 4" (2" ABOVE GRADE) AND EXTEND 1' OUTSIDE INSTALLATION IN ALL DIRECTIONS.

REV.

DOUBLE CHECK OR REDUCED PRESSURE BACKFLOW PREVENTER
SINGLE SERVICE 3/4", 1", 1 1/2" & 2"

CITY OF PLANT CITY STANDARDS

DRAWN ED	SCALE NTS	CITY OF PLANT CITY ENGINEERING DIVISION PLANT CITY, FLORIDA	FILE NO.	DWG. NO.
CHECKED	DATE 01/23/85		BF-01	95-W2

City of Plant City

Manual of Cross-Connection Control

4.7 PRIMARY BACKFLOW ASSEMBLY INSTALLATION REQUIREMENTS

1. All Primary Backflow Assemblies shall be the same size as the Service Connection meter when installed, approved from the City's list of approved Backflow Assemblies, and conform with the Standard Detail Drawings in Section 11 of this manual.
2. Shut-off valves 3" and larger shall be resilient wedge, OS&Y type. Valves 2" and smaller shall be ball type.
3. The piping shall be thoroughly flushed before installing the assembly.
4. The assembly shall be adequately supported per the Standard Detail Drawing in Section 11.
5. The assembly should be protected against freezing and shall not be installed in a pit or vault.
6. The assembly 3/4" to 2-1/2", except residential pressure vacuum breakers, shall be installed with galvanized pipe or a minimum type L copper pipe sleeved for necessary installations approved by the City and a minimum of one (1) union.
7. All residential Pressure Vacuum Breakers shall be installed with PVC SCH. 80, PVC SCH. 40, or galvanized pipe.
8. All assemblies 3" to 10" shall be installed with ductile iron pipe using only flange to flange fitting above ground.
9. All meters and Backflow Assemblies, except the Pressure Vacuum Breakers, shall be installed at least 18" above the ground surface with approved pipe supports.
10. All Pressure Vacuum Breakers shall be installed 6" to 12" above the highest outlet. **When height exceeds 48" a Reduced Pressure Backflow Assembly or a Double Check Valve Assembly shall be installed.**
11. All assemblies, except the residential Pressure Vacuum Breaker, shall be supported with a cement slab.
12. All Potable Water assemblies and pipe supports, except the residential **Pressure Vacuum Breaker, shall be painted safety blue.**
13. All Fire Sprinkler System assemblies and pipe supports shall be painted safety red.
14. All paint shall be approved by the City before applying.
15. All Assemblies shall be installed a minimum of 5" away from any structures or obstacles.
16. All test cocks on assemblies shall be kept free of any extensions or apparatuses. Test cocks are used for testing only.
17. All workmanship shall conform to generally accepted good practice.