



NOTES:

1. REDUCED PRESSURE PRINCIPLE ASSEMBLIES (RP) MUST CONFORM TO COG SPECIFICATIONS. REFER TO COG APPROVED LIST OF BPA'S.
2. COG APPROVED RP INCLUDES SHUT-OFF VALVES #1 AND #2 AS PART OF THE ASSEMBLY. NO SUBSTITUTIONS SHALL BE PERMITTED.
3. FIRE LINE SERVICES SHALL HAVE OUTSIDE STEM AND YOKE (OS & Y) HANDWHEEL OPERATORS. IF SERVING FIRE SPRINKLERS, TAMPER SWITCHES ARE REQUIRED.
4. TEST COCK #1 SHALL BE UPSTREAM OF SHUT-OFF VALVE #1 AND IS PART OF THE APPROVED ASSEMBLY.
5. PIPE MATERIAL AND FITTINGS SHALL BE AS SPECIFIED IN COG STANDARDS SPECIFICATION. ALL JOINTS SHALL BE RESTRAINED WITH MEGALUG RESTRAINTS OR APPROVED EQUAL.
6. 8" - 10" RP SHALL BE SUPPORTED AT CENTER WITH BRICK PEDESTAL AND SHALL NOT BLOCK RELIEF VALVE ON DRAIN PORT.
7. INSULATED ENCLOSURE SHALL BE AS SPECIFIED IN COG ENCLOSURE INFORMATION.
8. ALL LOCATIONS FOR BPA'S REQUIRE COG APPROVAL.
9. THERE SHALL BE NO TAPS, PIPING BRANCHES, UNAPPROVED BYPASS PIPING, HYDRANTS, FIRE DEPT. CONNECTION POINTS, OR OTHER WATER-USING APPURTENANCES CONNECTED TO THE SUPPLY LINE BETWEEN ANY WATER METER AND ITS COG-REQUIRED BACKFLOW PREVENTER.
10. EACH COG-REQUIRED BPA IS REQUIRED TO BE TESTED BY A COG-APPROVED CERTIFIED TESTER PRIOR TO PLACING THE WATER SYSTEM IN SERVICE.
11. SHUTOFF VALVE REQUIRED BETWEEN MAIN AND BPA TO ALLOW REMOVAL OR SERVICE WITHOUT TURNING OFF MAIN.

NOTE: ALL FIRE SERVICES WITH A BOOSTER PUMP OR CHEMICAL ADDITIVES REQUIRE A (RPDA) FOR BACKFLOW PROTECTION.

REVISED	F.B.	PG.	DATE: JULY 17, 2012
9/4/18			SCALE: NONE
			DRAWN BY: MGB
			CHECKED BY: MWB
			CITY ENGINEER: CCB

Standard Detail
Reduced Pressure Detector
Assembly (RPDA) 2-1/2" - 10"
Above Ground Fire Service

OFFICE OF THE
CITY ENGINEER
 GASTONIA, N.C.

FILE NO. **71B-43**