

NOTES:

1. REDUCED PRESSURE PRINCIPLE ZONE (RPZ) BACKFLOW PREVENTION ASSEMBLIES SHALL BE ASSE 1013 AND USC APPROVED, AND 0.25% LEAD-FREE. ASSEMBLIES WHICH MEET THIS SPECIFICATION SHOULD BE CONFIRMED PRIOR TO ORDERING, BY REVIEWING THE LIST OF USC APPROVED ASSEMBLIES AT <http://fccchr.usc.edu/list.html> THOSE MARKED WITH PB: YES ARE 0.25% LEAD FREE; ALL OTHER NOTATIONS WITHIN THE LIST REGARDING A PARTICULAR MAKE AND MODEL ARE RELEVANT TO ITS USC APPROVAL.
2. RPZ'S SHALL BE LOCATED AS CLOSE TO THE PROPERTY LINE AND METER AS POSSIBLE UNLESS A WAIVER IS SUBMITTED AND APPROVED IN ADVANCE BY THE DEPARTMENT OF WATER RESOURCES. IF A WAIVER IS GRANTED AND A RPZ IS INSTALLED INSIDE A BUILDING, VERTICAL INSTALLATIONS ARE NOT ALLOWED. CALL 434-455-4216 TO OBTAIN INFORMATION ON THE REQUIRED DOCUMENTATION FOR THE WAIVER REQUEST.
3. RPZ'S SHALL BE INSTALLED ABOVE GROUND IN AN ASSE 1060 APPROVED HEATED ENCLOSURE.
4. SHUT OFF VALVES SHALL BE RESILIENT SEATED WITH FLANGED ENDS AND HAND WHEEL OPERATOR. SHUT OFF VALVES ARE TO BE SHIPPED FROM THE MANUFACTURER AS PART OF THE UNIT. NO SUBSTITUTIONS WILL BE PERMITTED. NO MODIFICATIONS OR ALTERATIONS OF ANY SORT SHALL BE MADE TO THE ASSEMBLY AS SHIPPED FROM THE MANUFACTURER.
5. A MINIMUM OF 2 FEET SHALL BE ALLOWED AT THE FRONT AND REAR OF EACH ASSEMBLY, WITH A MINIMUM OF 1 FOOT AT EACH END TO ALLOW SUFFICIENT SPACE FOR EASE IN TESTING AND MAINTENANCE.
6. THE LINE SHALL BE FLUSHED THOROUGHLY BEFORE INSTALLING THE RPZ TO PREVENT ANY DEBRIS FROM FOULING THE CHECK VALVES CAUSING THE UNIT TO FAIL THE TEST.
7. A STRAINER IS SUGGESTED BUT NOT MANDATORY.
8. UPON COMPLETION OF INSTALLATION CONTRACTOR SHALL NOTIFY THE COMPLIANCE SPECIALIST AT 434-455-4261. AN INITIAL TEST SHALL BE PERFORMED BY A STATE CERTIFIED BACKFLOW PREVENTION DEVICE WORKER TO VERIFY THE ASSEMBLY IS FUNCTIONING CORRECTLY WITH A COPY OF A PASSING TEST SUBMITTED TO THE DEPARTMENT OF WATER RESOURCES. AFTER THE INITIAL TEST, THE PROPERTY OWNER IS RESPONSIBLE FOR THE TEST DUE EACH YEAR ON THE SAME MONTH AS THE INITIAL TEST. THIS TEST SHALL BE COMPLETED BY A CERTIFIED TESTER REGISTERED WITH THE DEPARTMENT OF WATER RESOURCES. A COPY OF A PASSING TEST SHALL BE SUBMITTED TO THE COMPLIANCE SPECIALIST.
9. NO BYPASS IS ALLOWED AROUND THE RPZ ASSEMBLY. NO TAKEOFFS OR CROSS CONNECTIONS ARE ALLOWED IN FRONT OF THE RPZ TO INCLUDE, BUT NOT BE LIMITED TO: PRESSURE REDUCING VALVES, ISOLATION OR EXTRA SHUT OFF VALVES, "BLOW DOWNS", DRAIN PORTS, HOSES, EXTRA PIPING. IF A PRESSURE REDUCING VALVE IS NEEDED, ITS USE SHALL BE REVIEWED IN ADVANCE WITH THE COMPLIANCE SPECIALIST.
10. ASSEMBLY IS PRIVATELY OWNED AND MAINTAINED. PIPING UP TO AND BEYOND THE RPZ SHOULD BE INSPECTED BY THE PLUMBING INSPECTOR OR BUILDING OFFICIAL. ALL PIPING ON PRIVATE PROPERTY, EXCLUDING THE RPZ, SHALL BE INSPECTED BY THE CITY BUILDING OFFICIAL.
11. THE 90 DEGREE BEND IN THE LINE SHALL HAVE CONCRETE SUPPORTS. THIS SHALL BE A MINIMUM 3 CF, 3000 PSI.
12. ALL NON-FLANGED FITTINGS SHALL BE TIED WITH THREADED ROD TO ADJACENT FITTINGS. MEGALUG OR APPROVED EQUAL MAY BE SUBSTITUTED FOR TIE RODS AT MECHANICAL JOINTS.
13. CALCULATIONS TO REVIEW THE AMOUNT OF AVAILABLE WATER PRESSURE AT THE SITE PRIOR TO THE INSTALLATION OF ANY RPZ OR RPDA ASSEMBLY AND THE ESTIMATED EFFECT OF SAID INSTALLATION ARE STRONGLY RECOMMENDED.
14. NO BACKFLOW PREVENTION ASSEMBLY SHALL BE REMOVED, RELOCATED, OR REPLACED WITHOUT PRIOR AUTHORIZATION FROM THE DEPARTMENT OF WATER RESOURCES.
15. ALL PIPE AND FITTINGS USED INSIDE THE ENCLOSURE SHALL BE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND THE MOST CURRENT VERSION OF THE INTERNATIONAL PLUMBING CODE AS ADOPTED BY THE COMMONWEALTH OF VIRGINIA. THE ASSEMBLY SHALL BE PROPERLY RESTRAINED (BRACED).
16. INSTALLATION, REPLACEMENT, OR RELOCATION OF BACKFLOW PREVENTION ASSEMBLIES SHALL ONLY BE DONE IN ACCORDANCE WITH VIRGINIA TITLE 54.1, CHAPTER 11, AND AS DEFINED IN THE BOARD FOR CONTRACTORS REGULATIONS AT <http://www.dpor.virginia.gov/Boards/Contractors/>
17. ONLY PROPERLY SUPPORTED OUTDOOR GFIC ELECTRICAL RECEPTACLES SHALL BE USED IN THE ENCLOSURE SPECIFIED. ALL RECEPTACLES SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE LAWS, ORDINANCES, AND REGULATIONS. RECEPTACLES SHALL NOT BE PLACED DIRECTLY BELOW THE RPZ. ELECTRICAL WORK SHALL BE INSPECTED BY THE CITY BUILDING OFFICIAL.



THE CITY OF LYNCHBURG

REDUCED PRESSURE PRINCIPLE
 BACKFLOW PREVENTION
 ASSEMBLY-LARGER THAN 2" METERS

USE WITH THE CITY OF LYNCHBURG STANDARD SPECIFICATIONS ONLY

SCALE:
NOT TO SCALE

DETAIL #
26.19C

REVISION DATE:
12-15-2016

SHEET #:
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