

## NOTES:

14. 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.
15. ALL RPZ AND RPDA INSTALLATIONS ARE PRIVATE AND WILL NOT BE OWNED/MAINTAINED BY THE CITY OF LYNCHBURG.
16. REDUCED PRESSURE PRINCIPLE ZONE (RPZ) BACKFLOW PREVENTION ASSEMBLIES ARE REQUIRED ON DOMESTIC AND IRRIGATION SERVICES. REDUCED PRESSURE PRINCIPLE DETECTOR (RPDA) BACKFLOW PREVENTION ASSEMBLIES ARE REQUIRED ON FIRE CONNECTIONS.
17. RPZ'S AND RPDA'S SHALL BE LOCATED AS CLOSE TO THE PROPERTY LINE AND METER OR CONNECTION TO THE CITY MAIN 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 OR RPDA ARE INSTALLED INSIDE A BUILDING, VERTICAL INSTALLATION IS NOT ALLOWED.
18. 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.
19. 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.
20. NO BACKFLOW PREVENTION ASSEMBLY MAY BE REMOVED, RELOCATED, OR REPLACED WITHOUT PRIOR AUTHORIZATION FROM THE DEPARTMENT OF WATER RESOURCES.
21. ANY FIRE DEPARTMENT CONNECTION (FDC) SHALL BE LOCATED AS PER THE FIRE MARSHAL AND NFPA. ALL FDC'S MUST BE DOWNSTREAM OF THE RPZ OR RPDA.
22. 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/>
23. RPDA AND RPZ ASSEMBLIES WHICH MEET THE REQUIRED SPECIFICATIONS 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 .025% LEAD FREE; ALL OTHER NOTATIONS WITHIN THE LIST REGARDING A PARTICULAR MAKE AND MODEL ARE RELEVANT TO ITS USC APPROVAL.
24. 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 ALSO BE PROPERLY RESTRAINED (BRACED).
25. RPDA'S AND RPZ'S SHALL BE INSTALLED ABOVE GROUND IN AN ASSE 1060 APPROVED HEATED ENCLOSURE. IRRIGATION RPZ'S MAY BE INSTALLED ALONG WITH THE RPDA, IN AN ASSE 1060 ENCLOSURE, AS LONG AS THEY ARE INSTALLED WITH THE ALLOWANCES WHICH ARE REQUIRED AROUND EACH ASSEMBLY.
26. SHUT OFF VALVES ARE TO BE SHIPPED FROM THE MANUFACTURER AS PART OF THE UNIT. NO SUBSTITUTIONS SHALL BE PERMITTED.
27. THE LINE SHALL BE FLUSHED THOROUGHLY BEFORE INSTALLING THE RPDA TO PREVENT ANY DEBRIS FROM FOULING THE CHECK VALVES CAUSING THE UNIT TO FAIL THE TEST.
28. A STRAINER IS SUGGESTED BUT NOT MANDATORY.
29. NO BYPASS IS ALLOWED AROUND ANY RPDA OR RPZ ASSEMBLY. NO TAKEOFFS OR CROSS CONNECTIONS ARE ALLOWED IN FRONT OF ANY RPDA OR RPZ.



## THE CITY OF LYNCHBURG

COMPOUND METER VAULT W/SEPARATE FIRE  
LINE WITH RPDA AND IRRIGATION SERVICE

USE WITH THE CITY OF LYNCHBURG STANDARD SPECIFICATIONS ONLY

SCALE:  
NOT TO SCALE

REVISION DATE:  
12-12-2014

DETAIL #  
**26.21**

SHEET #:  
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