

# LEGEND

- ① ANCHOR BLOCKING – SEE STANDARD DETAIL 26.02.
- ② TIE ROD ANCHORS – SEE STANDARD DETAIL 26.03.
- ③ AWWA C-509 RESILIENT WEDGE GATE VALVE.
- ④ MECHANICAL JOINT RESTRAINT (RESTRAINED JOINT THRUST RING) TYP.

# NOTES:

1. ALL PIPE AND FITTINGS USED INSIDE THE ENCLOSURE SHALL BE FLANGED DUCTILE IRON. CONCRETE FOR SUPPORTS AND ANCHORS SHALL BE 3000 PSI.
2. ALL NON-FLANGED FITTINGS SHALL BE TIED WITH THREADED ROD TO ADJACENT FITTINGS AS GENERALLY SHOWN ON THIS SHEET. MEGALUG OR APPROVED EQUAL MAY BE SUBSTITUTED FOR TIE RODS AT MECHANICAL JOINTS.
3. ALL DIMENSIONS SHALL BE VERIFIED BY CONTRACTOR.
4. 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. PHOTOGRAPHS OF THE INSTALLATION WHICH CLEARLY SHOW THAT ALL OF THE REQUIRED ALLOWANCES HAVE BEEN MET SHALL BE SUBMITTED TO THE COMPLIANCE SPECIALIST.
5. ALL RP\* INSTALLATIONS ARE PRIVATELY OWNED AND MAINTAINED. ALL PIPING ON PRIVATE PROPERTY, EXCLUDING ONLY THE RP\*, SHALL BE INSPECTED BY THE CITY BUILDING OFFICIAL.
6. REDUCED PRESSURE PRINCIPLE (RP\*) BACKFLOW PREVENTION ASSEMBLIES ARE REQUIRED ON FIRE. DOMESTIC AND IRRIGATION SERVICES. REDUCED PRESSURE PRINCIPLE DETECTOR (RPDA) BACKFLOW PREVENTION ASSEMBLIES MAY BE USED ON FIRE CONNECTIONS, IF THE OWNER OR CUSTOMER WISHES TO MONITOR THEFT FROM PRIVATE HYDRANTS OR UNDERGROUND LEAKS.
7. ALL RP\* BACKFLOW PREVENTION ASSEMBLIES, PIPE AND FITTINGS INSIDE THE ENCLOSURE SHALL BE INSTALLED TO MANUFACTURER'S INSTRUCTIONS AND MOST CURRENT VERSION OF THE INTERNATIONAL PLUMBING CODE AS ADOPTED BY THE COMMONWEALTH OF VIRGINIA. EACH ASSEMBLY SHALL ALSO BE PROPERLY RESTRAINED (BRACED).
8. ALL RP'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 EITHER A RP\* IS INSTALLED INSIDE A BUILDING, VERTICAL INSTALLATIONS ARE NOT ALLOWED. CALL 434-455-4261 TO OBTAIN INFORMATION ON THE REQUIRED DOCUMENTATION FOR THE WAIVER REQUEST.
9. 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. LANDSCAPING AND/OR OTHER SITE FEATURES SHALL NOT BE SUCH THAT THEY IMPACT THE REQUIRED ALLOWANCES FOR ANY RP\* FOR BACKFLOW NOW OR IN THE FUTURE.
10. CALCULATIONS TO REVIEW THE AMOUNT OF AVAILABLE WATER PRESSURE AT THE SITE PRIOR TO THE INSTALLATION OF ANY RP\* ASSEMBLY AND THE ESTIMATED EFFECT OF SAID INSTALLATION ARE STRONGLY RECOMMENDED.
11. NO BACKFLOW PREVENTION ASSEMBLY SHALL BE REMOVED, RELOCATED, OR REPLACED WITHOUT PRIOR AUTHORIZATION FROM THE DEPARTMENT OF WATER RESOURCES.
12. ANY FIRE DEPARTMENT CONNECTION (FDC) SHALL BE LOCATED AS PER THE FIRE MARSHAL AND NFPA. ALL FDC'S MUST BE DOWNSTREAM OF ANY RP\*.



## THE CITY OF LYNCHBURG

RP\*—FOR INDEPENDENT FIRE SERVICE  
OR PRIVATE HYDRANT INSTALLATION  
WITH DOMESTIC AND IRRIGATION SERVICES

USE WITH THE CITY OF LYNCHBURG STANDARD SPECIFICATIONS ONLY

SCALE:  
NOT TO SCALE

REVISION DATE:  
4-2020

DETAIL #  
**26.20B**

SHEET #:  
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