

## RPBA/RPDA INSTALLATION REQUIREMENTS:

1. ALL NOTES FROM WATER STANDARD PLAN 19 ARE APPLICABLE TO STD PLANS 19A, 19B, AND 19C.
2. RPBA/RPDA SHALL BE STATE APPROVED ASSEMBLIES DESIGNED FOR PREVENTION OF BACK SIPHONAGE AND BACK PRESSURE.
3. BACKFLOW SIZE AND FLOW REQUIREMENTS SHALL BE DETERMINED BY THE DEVELOPER'S ENGINEER PRIOR TO ISSUANCE OF APPROVED FOR CONSTRUCTION PLANS.
4. LOCATION SHALL BE AS SHOWN ON THE APPROVED PLANS OR AS DIRECTED BY THE DISTRICT.
5. OWNER SHALL FURNISH, INSTALL, AND MAINTAIN THE RPBA/RPDA AND ALL OTHER APPURTENANCES.
6. DISTRICT WILL INSPECT BACKFLOW ASSEMBLY INSTALLATION. INITIAL TEST OF THE RPBA/RPDA ASSEMBLIES IS REQUIRED PRIOR TO ESTABLISHMENT OF WATER SERVICE. TEST RESULTS SHALL BE SENT TO WOODINVILLE WATER DISTRICT.
7. ANNUAL TESTING OF RPBA/RPDA BY A CERTIFIED BACKFLOW ASSEMBLY TESTER REQUIRED BY OWNER. TEST RESULTS SHALL BE SUBMITTED TO THE WOODINVILLE WATER DISTRICT.
8. PROVIDE DISTRICT APPROVED JACK SCREW TYPE SUPPORTS FOR ASSEMBLIES GREATER THAN 1" DIAMETER.
9. RPBA/RPDA SHALL BE INSTALLED HORIZONTAL ONLY. CENTER BACKFLOW ASSEMBLY IN BOTH DIRECTIONS OF THE BOX.
10. WATERLINE SHALL BE DISINFECTED, FLUSHED, AND PRESSURE TESTED PRIOR TO INSTALLING BACKFLOW ASSEMBLY.
11. BACKFLOW ASSEMBLY SHALL BE PROTECTED FROM FREEZING AND FLOODING.
12. ALL DI FITTINGS BELOW FINISH GRADE SHALL BE RESTRAINED. ALL DI FITTINGS ABOVE FINISH GRADE SHALL BE FLANGED.
13. "HOT BOX" ENCLOSURE OR APPROVED EQUAL INSTALLATION IS REQUIRED. DEVELOPER/CONTRACTOR TO VERIFY/PROVIDE REQUIRED SIZE BASED ON THE CLEARANCES PROVIDED ON THE STANDARD PLANS.
14. THE ENCLOSURE SHALL HAVE A MINIMUM CLEAR DISTANCE OF 3' FROM ALL OTHER STRUCTURES AND SHALL NOT BE SET IN HARDSCAPES.
15. UNDERGROUND POWER CONDUIT SHALL BE INSTALLED FROM OWNERS ELECTRICAL PANEL TO THE ENCLOSURE LOCATION PER ELECTRICAL PERMIT REQUIREMENTS AND PRIOR TO POURING THE CONCRETE PAD.
16. ENCLOSURE SHALL BE SET ON A 4" THICK CONCRETE SLAB (3000PSI MIN AND RATED FOR OUTDOOR USE). PAD SHALL EXTEND 5" BEYOND ENCLOSURE (IN ALL DIRECTIONS) AND 2" ABOVE FINISH GRADE. CONCRETE SLAB MUST SLOPE TOWARDS ENCLOSURE DRAIN.
17. CONCRETE PAD SHALL BE REINFORCED WITH 6"x6" W2.9xW2.9 WELDED WIRE FABRIC (WWF).
18. PVC SLEEVES SHALL BE INSTALLED PRIOR TO POURING THE CONCRETE PAD.
19. CONTRACTOR SHALL CONNECT THE FOUR CORNERS OF THE ENCLOSURE INTO THE CONCRETE SLAB USING 3/8"x2" EXPANSION ANCHORS.
20. DRAIN SIZE SHALL BE SIZED IN ACCORDANCE WITH AWWA CROSS CONNECTION CONTROL MANUAL FIGURE 6-8.
21. RPBA/RPDA SHALL NOT BE INSTALLED INSIDE BUILDINGS UNLESS SPECIAL PERMISSION IS GIVEN BY THE DISTRICT.
22. DUAL RPBA REQUIRED FOR MULTI FAMILY HOUSING WITH 5 OR MORE UNITS, ANY COMMERCIAL BUILDING REQUIRING 24-HOUR WATER SERVICE, AND CRITICAL INFRASTRUCTURE BUILDINGS (HOSPITALS, EMERGENCY RESPONSE ORGANIZATIONS, ETC.)



**Woodinville  
Water District**

RPBA/RPDA  
GENERAL NOTES



WATER STD.  
PLAN NO. (19)

REVISION DATE  
04/25