APPROVED REDUCED PRESSURE BACKFLOW ASSEMBLY INCLUDING FACTORY SUPPLIED SHUT-OFF VALVES: AS LISTED ON THE CURRENTLY APPROVED BACKFLOW PREVENTION ASSEMBLIES LIST SPECIFIED BY OREGON HEALTH AUTHORITY.

PLUMBING FROM THE CONNECTION TO POTABLE WATER SUPPLY LINE TO THE ASSEMBLY REQUIRES A PLUMBING PERMIT AND MUST BE INSPECTED BEFORE COVERING.

AN INITIAL TEST PERFORMED BY A STATE CERTIFIED BACKFLOW ASSEMBLY TESTER IS REQUIRED AT THE TIME OF INSTALLATION, AT LEAST ANNUALLY THEREAFTER OR MORE FREQUENTLY AS REQUIRED BY THE WATER SUPPLIER.

COPIES OF COMPLETED TEST REPORT SHALL BE FURNISHED TO:
THE OWNER
THE WATER SUPPLIER, EWEB
THE BUILDING OFFICIAL

WATER STANDARDS
REGIONAL DESIGN STANDARDS
REDUCED PRESSURE BACKFLOW ASSEMBLY
2 1/2" - 10" ABOVE GROUND
EUGENE WATER & ELECTRIC BOARD - EUGENE, OREGON
NOTES:
1. REDUCED PRESSURE BACKFLOW ASSEMBLY SHALL BE INSTALLED IN A LOCATION APPROVED BY EWEB, AND SHALL BE ABOVE THE 100-YEAR FLOOD PLAIN.
2. REDUCED PRESSURE BACKFLOW ASSEMBLY (RP) SHALL BE INSTALLED HORIZONTAL AND PLUMB, UNLESS SPECIFICALLY APPROVED FOR VERTICAL INSTALLATION AND,
   a. IS RECOMMENDED BY THE MANUFACTURER FOR VERTICAL INSTALLATION,
   b. IS INSTALLED VERTICAL AND PLUMB AND,
   c. APPROVED IN A VERTICAL ORIENTATION AS LISTED ON THE CURRENTLY APPROVED BACKFLOW PREVENTION ASSEMBLIES LIST SPECIFIED BY OREGON HEALTH AUTHORITY.
3. ALL CLEARANCES PICTURED APPLY TO OUTSIDE, IN BUILDING, AND VAULT INSTALLATIONS.
4. RP SHALL BE WINTERIZED AND/OR PROTECTED FROM FREEZING. RP ABOVE GROUND ENCLOSURE SHALL INCLUDE INSULATION AND HEAT SOURCE.
5. RP ENCLOSURE SHALL INCLUDE A BORE-SIGHTED DRAIN TO DAYLIGHT CAPABLE OF DRAINING A FULL RELIEF VALVE DISCHARGE PER OPSC TABLE 7-4 (LENGTH OF DRAIN TO BE APPROVED BY EWEB).
6. COMPACTED GRAVEL OR UNDISTURBED BASE.
7. A DOOR OR OTHER ACCESS SHALL BE PROVIDED.
8. ALL ASSEMBLIES 2 1/2" OR LARGER SHALL HAVE VALVE SUPPORTS.
9. IF THE RP IS INSTALLED OUTSIDE AN ASSEMBLY ENCLOSURE IS REQUIRED. ALL STRUCTURES SHALL COMPLY WITH LOCAL BUILDING CODES.
10. INDOOR RP INSTALLATION REQUIREMENTS:
    a. AIR-GAPPED DRAIN MANUFACTURED FOR THE RP MAKE AND MODEL AND INSTALLED IN THE ORIENTATION SPECIFIED BY MANUFACTURER THAT IS CAPABLE OF DRAINING A FULL RELIEF VALVE DISCHARGE, OR
    b. 2 TIMES DIAMETER OF EFFECTIVE OPENING WHEN NOT AFFECTED BY SIDEWALLS, 3 TIMES THE DIAMETER OF EFFECTIVE OPENING WHEN AFFECTED BY SIDEWALLS.
    c. FLOOR DRAIN TO SANITARY SEWER CAPABLE OF DRAINING A FULL RELIEF VALVE DISCHARGE PER OPSC TABLE 7-4

ADDITIONAL CONSIDERATIONS FOR FIRE SERVICES:
1. FIRE SERVICE ASSEMBLIES SHALL BE INSTALLED WITHIN 10’ OF EWEB POINT OF CONNECTION (GENERALY LOCATED AT THE PROPERTY LINE).
2. ALL PIPING PRECEDING THE DOUBLE CHECK VALVE SHALL BE CONSTRUCTED OF POTABLE APPROVED MATERIAL PER OPSC TABLE 6-4
3. NO OUTLETS OR CONNECTIONS (INCLUDING HYDRANTS) WILL BE PERMITTED ON FIRE SERVICE LINES PRIOR TO BACKFLOW PREVENTION ASSEMBLIES.
4. ABOVE GROUND ENCLOSURES FOR FIRELINES SHALL INCLUDE INSULATION AND/OR HEAT SOURCE DESIGNED TO KEEP ENCLOSURE AT A MINIMUM TEMPERATURE OF 40 F (NFPA 8.16.4.1.3)
5. WHERE NON-FOOD GRADE ANTIFREEZE, CORROSION INHIBITORS, OR OTHER CHEMICALS ARE ADDED TO A FIRE PROTECTION SYSTEM A REDUCED PRESSURE BACKFLOW ASSEMBLY OR REDUCED PRESSURE DETECTOR ASSEMBLY SHALL BE USED.

REFERENCE: OREGON PLUMBING SPECIALTY CODE, CHAPTER 6 WATER SUPPLY AND DISTRIBUTION, 603.4.6.3; 603.4.6.4; 603.3.3; 603.3.4; 603.3.8; 603.4.18.3; TABLE 7-4
REFERENCE: OREGON ADMINISTRATIVE RULES 333-061-0070 (5) (12) (15); 333-061-0071 (10)