



1 APPROVED DETECTOR DOUBLE CHECK VALVE ASSEMBLY INCLUDING FACTORY SUPPLIED SHUT-OFF VALVES INCLUDING FACTORY SUPPLIED SHUT-OFF VALVES: AS LISTED ON THE CURRENTLY APPROVED BACKFLOW PREVENTION ASSEMBLIES LIST SPECIFIED BY OREGON HEALTH AUTHORITY.

2 ITEM 2: REMOTE READER, METER REGISTER AND TOUCH PAD PROVIDED BY EWEB.

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 WATER SUPPLIER.

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

CITY OF EUGENE BUILDING
 AND PERMITS REVIEW - SR

WATER STANDARDS
 REGIONAL DESIGN STANDARDS
 FEBCO N PATTERN DETECTOR DOUBLE CHECK
 VALVE ASSEMBLY, 2 1/2" - 10" ABOVE GROUND

EUGENE WATER & ELECTRIC BOARD - EUGENE, OREGON

SCALE: NTS

REV DATE	BY	CHK	APP
05/21/09	ESR		

REMOVED SUB & RWD

DWG NO

WD6-6.5840

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NOTES:

1. DETECTOR DOUBLE CHECK VALVE ASSEMBLY (DDC) VAULT OR ENCLOSURE SHALL BE INSTALLED DIRECTLY INLINE WITH SERVICE TAP LOCATION SUCH THAT THE POINT OF CONNECTION IS INLINE WITH ASSEMBLY AND IS NO MORE THAN 10 FEET FROM POINT OF CONNECTION, OR IN AN ALTERNATE LOCATION APPROVED BY EWEB.
2. DDC MAY BE INSTALLED VERTICALLY, PROVIDED THAT THE ASSEMBLY:
 - a. IS RECOMMENDED BY THE MANUFACTURER FOR VERTICAL INSTALLATION
 - b. 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 AND IN-BUILDING INSTALLATIONS.
4. DDC SHALL BE PROTECTED FROM FREEZING. DDC ENCLOSURE SHALL INCLUDE INSULATION AND/OR HEAT SOURCE.
 - a. CLEARANCES MAY BE WAIVED IF ENTIRE ENCLOSURE CAN BE REMOVED FOR TESTING AND MAINTENANCE ACCESS.
5. BORE-SIGHTED DRAIN TO DAYLIGHT IS REQUIRED IN ALL INSTALLATIONS.
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. ALL STRUCTURES SHALL COMPLY WITH LOCAL BUILDING CODES.
10. FIRE DEPARTMENT PUMPER CONNECTION (IF NEEDED) SHALL COMPLY WITH LOCAL FIRE CODE.

ADDITIONAL CONSIDERATIONS FOR FIRE SERVICES:

1. FIRE SERVICE ASSEMBLIES SHALL BE INSTALLED WITHIN 10' OF EWEB POINT OF CONNECTION (GENERALLY LOCATED AT THE PROPERTY LINE) AND SHALL BE DIRECTLY INLINE WITH SERVICE TAP LOCATION SUCH THAT THE POINT OF CONNECTION IS INLINE WITH ASSEMBLY.
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

REFERENCE: OREGON ADMINISTRATIVE RULES 333-061-0070 (5) (12) (15); 333-061-0071 (9)

CITY OF EUGENE BUILDING
AND PERMITS REVIEW - SR

FUNC	BY	CHK	APP	WATER STANDARDS REGIONAL DESIGN STANDARDS FEBCO N PATTERN DETECTOR DOUBLE CHECK VALVE ASSEMBLY, 2 1/2" - 10" ABOVE GROUND EUGENE WATER & ELECTRIC BOARD - EUGENE, OREGON	SCALE: NTS			
DES	SLW		SLW		REV DATE	BY	CHK	APP
DWN	RS		SLW		1-11-17	ESR		
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