



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 DEPARTMENT OF HUMAN SERVICES.

② ITEM 2: REMOTE READER, METER REGISTER AND TOUCH PAD PROVIDED BY EWEB, SUB OR RWD

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, SUB OR RAINBOW WATER DISTRICT)
 THE BUILDING OFFICIAL

SUB DWG NO FF11DE62	REV 2
------------------------	----------

CITY OF EUGENE BUILDING AND PERMITS REVIEW SR

RWD ENGINEERING REVIEW _____

SUB ENGINEERING REVIEW DK

FUNC	BY	CHK	APP
DES	SLW		SLW
DWN	RS		SLW
SPONSOR		SLW	
DATE: 01/01/95			

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	NLN		<u>MDH</u>
5 YEAR REVIEW			
DWG NO WD6-6.5840			REV 3
1 of 2			

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, SUB OR RWD FOR THEIR RESPECTIVE SERVICE AREA.
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 DEPARTMENT OF HUMAN SERVICES.
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, SUB OR RWD 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)

SUB DWG NO FF11DE62 REV 2

CITY OF EUGENE BUILDING AND PERMITS REVIEW SR

RWD ENGINEERING REVIEW _____

SUB ENGINEERING REVIEW DK

FUNC	BY	CHK	APP
DES	SLW		SLW
DWN	RS		SLW
SPONSOR		SLW	
DATE: 01/01/95			

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	NLN		<u>MDH</u>

5 YEAR REVIEW

DWG NO	REV
WD6-6.5840	3
2 of 2	