

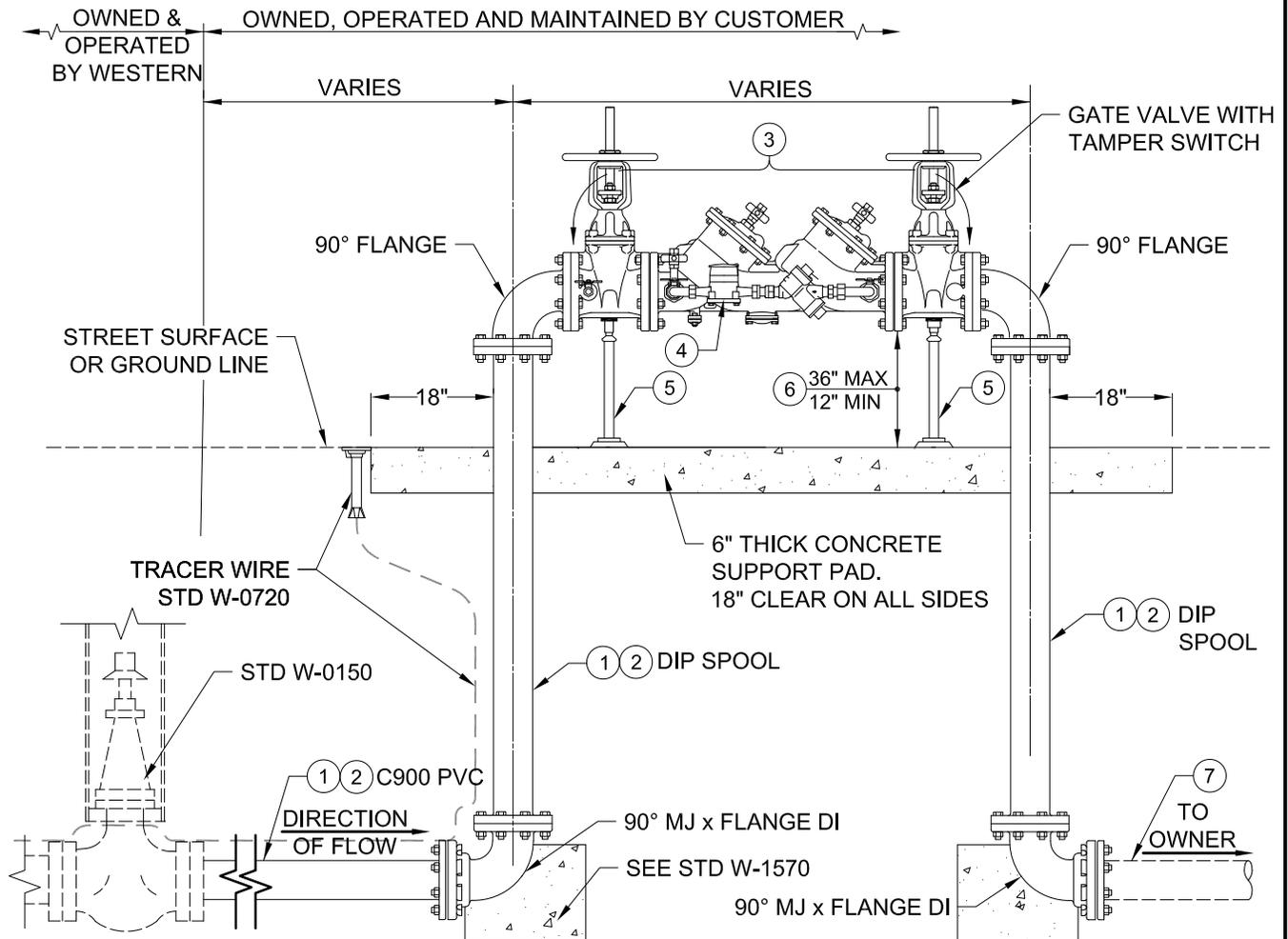
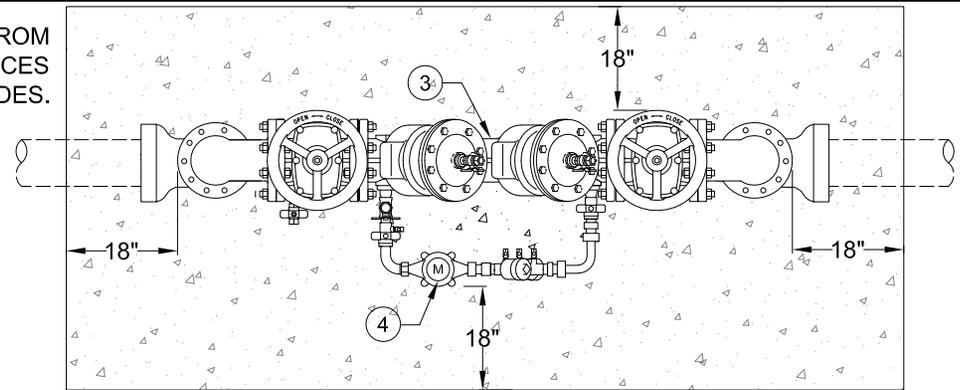
**MATERIAL NOTES**

- ① ALL PIPES & FITTINGS SHALL BE DESIGNED FOR MORE THAN 175 P.S.I (COLD) WATER WORKING PRESSURE.
- ② ALL BARE STEEL OR IRON SHALL BE COATED & PROTECTED AS PER SPECIFICATIONS PRIOR TO PACING BACKFILL.
- ③ DOUBLE CHECK DETECTOR ASSEMBLY (DCDA) BACK FLOW PREVENTER ASSEMBLY WITH 3/4" BYPASS METER APPROVED BY USC.
- ④ FACTORY INSTALLED BYPASS METER ASSEMBLY COMPRISING OF APPROVED METER & DOUBLE CHECK DETECTOR ASSEMBLY PER WESTERN STANDARD SPECIFICATION METER TO BE USED FOR FIRE SYSTEMS ONLY. METER READS IN CUBIC FEET & MODEL TO BE APPROVED BY WESTERN.
- ⑤ ADJUSTABLE PIPE SUPPORT SECURED TO CONCRETE PAD FOR ASSEMBLIES 6" DIAMETER & LARGER PER STD W-1568.
- ⑥ MINIMUM 12" TO MAX 36" VERTICAL CLEARANCE MUST BE PROVIDED FROM BOTTOM OF ANY PART OF DCDA TO TOP OF CONCRETE PAD.
- ⑦ PIPELINE MATERIAL AFTER BACK FLOW DEVICE TO BE APPROVED BY LOCAL JURISDICTION.

**NOTES**

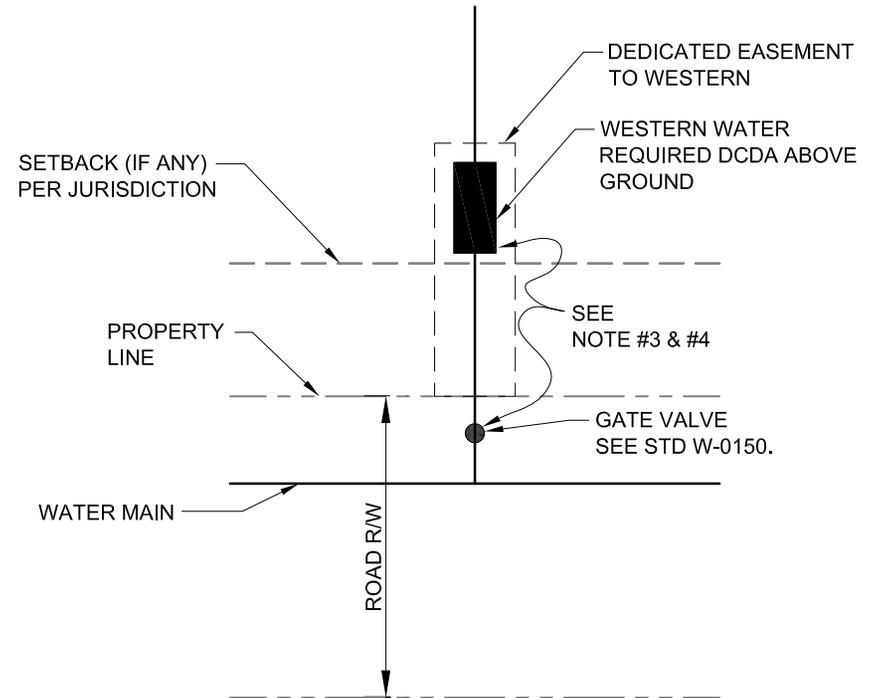
1. ALL WELDS TO BE FULL WELD, DOUBLE-PASS.
2. TRIPAK BLUE 2000 BOLTS REQUIRED ALL FLANGES BOLTED IN THE FIELD.
3. ALL DUCTILE IRON (DI) JOINTS SHALL BE RESTRAINED.
4. COAT ALL BURIED METAL WITH NON-OXIDE GREASE & POLY PLASTIC WRAP OR TRENTON PRIMER & POLY PLASTIC WRAP.
5. RETAINING WALLS MAY BE REQUESTED DEPENDING ON SLOPE OR LOCATION FOR PROTECTION PURPOSES.
6. FIRE SYSTEM USING ONSITE PUMP IS REQUIRED TO INSTALL BYPASS METERING LOOP & INSERTION FLOW METER FOR EACH PUMP.
7. CUSTOMER SHALL SUPPLY & INSTALL A USC APPROVED LEAD FREE COMPACT DCDA TO STATE REGULATIONS, APPLICABLE UNIFORM PLUMBING CODE & SPECIFICATIONS OF WESTERN APPROVED MATERIAL LIST. SELECTED DCDA DEVICE NEEDS TO BE APPROVED BY WESTERN CROSS CONNECTION DEPARTMENT PRIOR TO INSTALLATION.

18" MIN. CLEAR FROM EDGES OF DEVICES ON ALL SIDES.



**NOTES:**

1. SITE PLAN & TYPE OF DCDA TO BE APPROVED BY WESTERN PRIOR TO INSTALLATION.
2. EASEMENT TO BE GRANTED TO WESTERN FOR METER READING PURPOSES.
3. THE DCDA SHALL BE INSTALLED AS CLOSE AS PRACTICAL TO THE SERVICE CONNECTION WITH NO OUTLET CONNECTIONS OR TEES.
4. THERE SHALL BE NO TAPS, PIPING BRANCHES, UNAPPROVED BYPASS PIPING, HYDRANTS, FIRE DEPT. CONNECTION POINTS, OR OTHER WATER - USING APPURTENANCES CONNECTED TO THE SUPPLY LINE BETWEEN ANY WATER METER AND ITS WESTERN WATER.
5. RETAINING WALLS MAY BE REQUESTED DEPENDING ON SLOPE OR LOCATION FOR PROTECTION PURPOSES.
6. CUSTOMER SHALL SUPPLY & INSTALL A USC APPROVED LEAD FREE COMPACT DCDA TO STATE REGULATIONS, APPLICABLE UNIFORM PLUMBING CODE & SPECIFICATIONS OF WESTERN APPROVED MATERIAL LIST. SELECTED DCDA DEVICE NEEDS TO BE APPROVED BY WESTERN CROSS CONNECTION DEPARTMENT PRIOR TO INSTALLATION.
7. UPON INSTALLATION & PRIOR TO WATER DELIVERY, THE DCDA SHALL BE INSPECTED , TESTED & CERTIFIED BY AWWA CERTIFIED BACK FLOW TESTER THAT IS LISTED ON THE WESTERN APPROVED BACK FLOW TESTER LIST. COMPLETED TEST REPORTS SHALL BE FORWARDED TO WESTERN CROSS CONNECTION CONTROL DEPARTMENT.
8. DCDA IS PERMITTED ONLY IN LOW-HAZARD (NON-CHEMICAL) AREAS & REQUIRE APPROVAL FROM BOTH WESTERN INSPECTION AND CROSS CONNECTION STAFF.
9. FIRE SYSTEM USING ONSITE PUMP IS REQUIRED TO INSTALL BYPASS METERING LOOP AND INSERTION FLOW METER FOR EACH PUMP. INSERTION METER (FLOW METER) SPOOL BEFORE AND AFTER TO BE AT SPECIFIED LENGTH PER MANUFACTURER (TYPICALLY 1.5 TIMES THE DIAMETER OF METER).



**TYPICAL LOCATION REQUIREMENT  
FOR ABOVE GROUND INSTALLATION**

N.T.S.