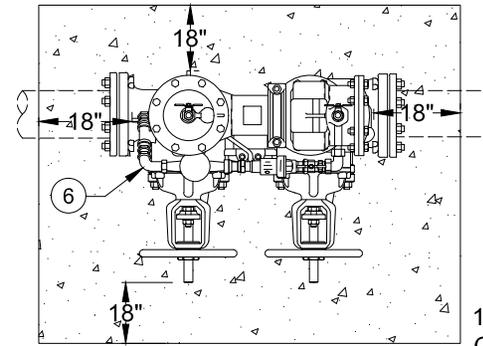


**MATERIAL NOTES**

- ① ALL PIPES AND FITTINGS SHALL BE DESIGNED FOR MORE THAN 175 P.S.I (COLD) WATER WORKING PRESSURE.
- ② ALL BARE STEEL OR IRON SHALL BE COATED AND PROTECTED AS PER SPECIFICATIONS PRIOR TO PACING BACKFILL.
- ③ LOCATION OF BACK FLOW ASSEMBLY DEVICE TO BE APPROVED BY LOCAL JURISDICTION PRIOR TO INSTALLATION.
- ④ EASEMENT TO BE GRANTED TO WESTERN FOR METER READING PURPOSES.
- ⑤ APPROVED N-PATTERN REDUCED PRESSURE BACK FLOW PREVENTER ASSEMBLY WITH RISING STEM RESILIENT WEDGE GATE VALVES. VALVES SHALL BE PROVIDED AS AN INTEGRAL PART OF BACK FLOW ASSEMBLY.
- ⑥ FACTORY INSTALLED BY-PASS METER ASSEMBLY COMPRISING OF APPROVED METER AND REDUCED PRESSURE PRINCIPAL ASSEMBLY PER WESTERN STANDARD SPECIFICATION METER TO BE USED FOR FIRE SYSTEMS ONLY. METER READS IN CUBIC FEET AND MODEL TO BE APPROVED BY WESTERN.
- ⑦ 4" x 3" DI REDUCER, F.E. x F.E. FOR 3" DOUBLE CHECK BACK FLOW ASSEMBLY.
- ⑧ MINIMUM 12-INCH TO MAX 36-INCH VERTICAL CLEARANCE MUST BE PROVIDED FROM BOTTOM OF RELIEF VALVE TO TOP OF CONCRETE PAD.
- ⑨ PIPELINE MATERIAL AFTER BACK FLOW DEVICE TO BE APPROVED BY LOCAL JURISDICTION.

**NOTES**

1. SITE PLAN AND TYPE OF REDUCED PRESSURE DETECTOR ASSEMBLY TO BE APPROVED BY WESTERN PRIOR TO INSTALLATION.
2. THE REDUCED PRESSURE DETECTOR ASSEMBLY SHOULD BE INSTALLED AS CLOSE AS PRACTICAL TO THE SERVICE CONNECTION WITH NO OUTLET CONNECTIONS OR TEE.
3. ALL WELDS TO BE FULL WELD, DOUBLE-PASS.
4. TRIPAK BLUE 2000 BOLTS REQUIRED ALL FLANGES BOLTED IN THE FIELD.
5. ALL DUCTILE IRON (DI) JOINTS SHALL BE RESTRAINED.
6. RETAINING WALLS MAY BE REQUESTED DEPENDING ON SLOPE OR LOCATION FRO PROTECTION PURPOSES.
7. FIRE SYSTEM USING ONSITE PUMP IS REQUIRED TO INSTALL BYPASS METERING LOOP AND INSERTION FLOW METER FOR EACH PUMP.
8. CUSTOMER SHALL SUPPLY AND INSTALL A USC APPROVED LEAD FREE COMPACT REDUCED PRESSURE DETECTOR ASSEMBLY (RPDA) TO STATE REGULATIONS, APPLICABLE UNIFORM PLUMBING CODE AND SPECIFICATIONS OF WESTERN APPROVED MATERIAL LIST. SELECTED BACK FLOW DEVICE NEEDS TO BE APPROVED BY WESTERN CROSS CONNECTION DEPARTMENT PRIOR TO INSTALLATION.
9. UPON INSTALLATION AND PRIOR TO WATER DELIVERY, THE RPDA SHALL BE INSPECTED , TESTED AND 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 THE WESTERN CROSS CONNECTION CONTROL / BACK FLOW DEPARTMENT.



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

