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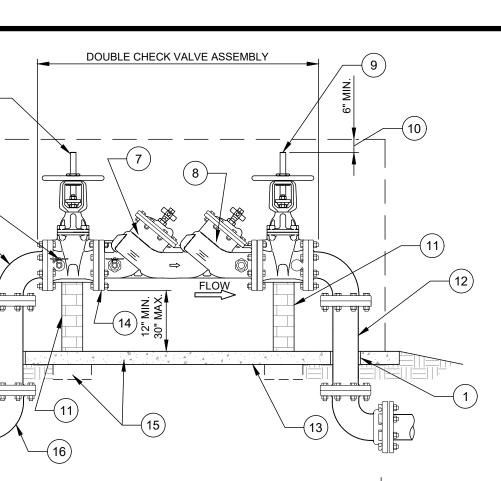
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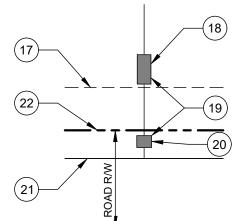
VERSION 1.0

DATE 04/2024

**DETAIL** 14.1.2



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TYPICAL LOCATION REQUIREMENT FOR ABOVE GROUND INSTALLATION

N.T.S.

- **DESCRIPTION:**
- SLEEVE REQUIRED (TYP.)
- SLOPE GROUND AWAY FROM COVER.
- HINGED ACCESS OR REMOVABLE INSULATED ENCLOSURE MEETING ASSE 1060 SPECIFICATIONS. ENCLOSURE TO INCLUDE DRAIN PORT(S) PER CLTW REQUIREMENT.
- RESTRAINED JOINT. SEE NOTE C.
- TEST COCK #1.
- SHUT-OFF VALVE #1. SEE NOTE B.
- CHECK VALVE #1.
- CHECK VALVE #2.
- SHUT-OFF VALVE #2. SEE NOTE B.
- COVER MUST NOT OBSTRUCT VALVE BEING FULLY OPENED
- SEE NOTE D.
- DUCTILE IRON PIPE OR TYPE K OR L COPPER TUBING FOR MIN. OF 5' ON EACH END OF ASSEMBLY, SEE NOTE C.
- MIN. 4" THICK CONCRETE PAD REQUIRED. SEE NOTE J.
- LOWEST POINT
- SUPPORT. PAD AND CONCRETE FOOTINGS AS REQUIRED BY SYSTEM DESIGNER.
- RESTRAINED JOINT. SEE NOTE C.
- 17. ZONING SETBACK.
- CLTW REQUIRED BPA ABOVE GROUND.
- SEE NOTES F AND G.
- 20. CLTW METER.
- **PUBLIC WATER MAIN**
- PROPERTY LINE OR R/W.

## NOTES:

- BACKFLOW PREVENTION ASSEMBLIES (BPA's) SHALL CONFORM TO CLTW SPECIFICATIONS. SHUT-OFF VALVES ARE SPECIFIC TO EACH APPROVED BPA AND NO SUBSTITUTIONS OF SHUT-OFF VALVES ARE PERMITTED. REFER TO CLTW APPROVED LIST OF BPA's.
- FIRE LINE SERVICES SHALL HAVE OUTSIDE STEM AND YOKE (OS & Y) HANDWHEEL OPERATORS OR BUTTERFLY VALVES, AND LISTED ON APPROVED LIST AS FIRE APPROVED. IF SERVING FIRE SPRINKLERS, TAMPER SWITCHES ARE REQUIRED.
- PIPE MATERIAL AND FITTINGS SHALL BE AS SPECIFIED IN CLTW STANDARDS & SPECIFICATIONS. ALL JOINTS SHALL BE RESTRAINED WITH MEGALUG RESTRAINTS OR APPROVED EQUAL.
- SUPPORT OF ASSEMBLY SHALL BE DESIGNED BY OWNER, 8" 12" SHALL BE SUPPORTED AT EACH VALVE.
- INSULATED ENCLOSURE SHALL BE AS SPECIFIED IN CLTW ENCLOSURE INFORMATION AND COMPLY WITH ASSE 1060 ENCLOSURE REQUIREMENTS - HEATED INSULATED ENCLOSURE ARE REQUIRED FOR FIRE LINE SERVICES. NO INSULATION SHALL BE WRAPPED AROUND BPA. COVER MUST NOT OBSTRUCT THE VALVE BEING FULLY OPENED.
- ALL LOCATIONS FOR BPA's REQUIRE CLTW APPROVAL AND MUST BE OUTSIDE OF ZONING SET-BACK DIRECTLY BEHIND METER.
- 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 CLTW - REQUIRED BACKFLOW PREVENTER.
- EACH CLTW-REQUIRED BPA IS REQUIRED TO BE TESTED BY A CLTW APPROVED CERTIFIED TESTER PRIOR TO PLACING THE WATER SYSTEM IN SERVICE. TEST RESULTS SHALL BE SUBMITTED TO CLTW WITHIN 30 DAYS AND TESTED ANNUALLY THEREAFTER SUBMITTING RESULTS TO CLTW
- ALL INSTALLATIONS INTENDED FOR ADDRESSING CLTW REQUIREMENTS. REQUIRE PRIOR APPROVAL FROM THE APPROPRIATE CLTW BACKFLOW INSPECTOR.
- PAD MUST BE NO LOWER THAN 100-YEAR FLOOD AND HAVE ADEQUATE GRAVITY DRAINAGE. BACKFLOW DEVICE CANNOT BE INSTALLED BELOW GRADE, IN ANY LOCATION SUBJECT TO FLOODING, AND/OR CONSTRUCTED TO SUBMERGE THE RELIEF VALVE OPENING.