



**TYPICAL LOCATION REQUIREMENT
FOR ABOVE GROUND INSTALLATION**

N.T.S.

- | NO. | DESCRIPTION: |
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| 1. | SLEEVE REQUIRED (TYP.). |
| 2. | SLOPE GROUND AWAY FROM COVER. |
| 3. | HINGED ACCESS OR REMOVABLE INSULATED ENCLOSURE MEETING ASSE 1060 SPECIFICATIONS. ENCLOSURE TO INCLUDE DRAIN PORT(S) PER CLTW REQUIREMENT. |
| 4. | RESTRAINED JOINT. SEE NOTE C. |
| 5. | TEST COCK #1. |
| 6. | SHUT-OFF VALVE #1. SEE NOTE B. |
| 7. | CHECK VALVE #1. |
| 8. | CHECK VALVE #2. |
| 9. | SHUT-OFF VALVE #2. SEE NOTE B. |
| 10. | COVER MUST NOT OBSTRUCT VALVE BEING FULLY OPENED. |
| 11. | SEE NOTE D. |
| 12. | DUCTILE IRON PIPE OR TYPE K OR L COPPER TUBING FOR MIN. OF 5' ON EACH END OF ASSEMBLY. SEE NOTE C. |
| 13. | MIN. 4" THICK CONCRETE PAD REQUIRED. SEE NOTE J. |
| 14. | LOWEST POINT. |
| 15. | SUPPORT, PAD AND CONCRETE FOOTINGS AS REQUIRED BY SYSTEM DESIGNER. |
| 16. | RESTRAINED JOINT. SEE NOTE C. |
| 17. | ZONING SETBACK. |
| 18. | CLTW REQUIRED BPA ABOVE GROUND. |
| 19. | SEE NOTES F AND G. |
| 20. | CLTW METER. |
| 21. | PUBLIC WATER MAIN. |
| 22. | 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.