PIPE MATERIAL AND FITTINGS SHALL BE AS SPECIFIED IN CLT WATER STANDARDS & SPECIFICATIONS.

ALL LOCATIONS FOR BPA’S REQUIRE CLT WATER APPROVAL.

ASSEMBLIES SHALL BE INSTALLED UPRIGHT AND IN THE HORIZONTAL POSITION.

VAULT AND SUPPORT OF ASSEMBLY SHALL BE DESIGNED BY OWNER, SEE NOTE #6.

4" MIN. DIA. DRAIN BY GRAVITY TO ATMOSPHERE AS REQUIRED BY CLT WATER SPECIFICATIONS. SEE NOTE #7.

FINISHED GRADE TO BE SLOPED AWAY FROM COVER.

DRAIN ALTERNATIVE: TIE INTO PRIVATE CATCH BASIN OR PRIVATE STORMWATER MANHOLE PER DETAIL SHOWN ABOVE. NO TIE IN TO STORMWATER PIPE OR PUBLIC CATCH BASIN / MANHOLE WILL BE ACCEPTED.

COVER

FLOW

TEST COCK #1

SLEEVE REQUIRED

(TYP.)

TOP OF DISCHARGING STORM PIPE

STORM PIPE

DRAIN FROM BACKFLOW VAULT

CATCH BASIN WITH GRATE

ZONING SETBACK

CLT WATER - REQUIRED BPA BELOW GRND. SEE NOTE #8 & #9

PROPERTY LINE

PUBLIC WATER MAIN

TYPICAL LOCATION REQUIREMENT FOR BELOW GROUND INSTALLATION

N.T.S.

DOUBLE CHECK VALVE ASSEMBLY

SHUT-OFF VALVE #1

CHECK VALVE #1

CHECK VALVE #2

SLEEVE REQUIRED

(TYP.)

LOWEST POINT

DOUBLE LEAF STEEL OR ALUMINUM DOORS HINGED AND LOCKABLE

CLT WATER - REQUIRED

CLT WATER

MAIN

PUBLIC

LINE

ROAD R/W

CLT WATER METER

SHUT-OFF VALVE #2

FLOW

CHECK VALVE #2

6" MIN.

24" MIN.

6" MIN.

6" MIN.

6" MIN.

6" MIN.

6" MIN.

4" DIA. DRAIN TO ATMOSPHERE

4" DIA. DRAIN BY GRAVITY TO ATMOSPHERE AS REQUIRED BY CLT WATER SPECIFICATIONS. SEE NOTE #7.

NOTES:

1. BACKFLOW PREVENTION ASSEMBLIES (BPA’s) SHALL CONFORM TO CLT WATER SPECIFICATIONS. SHUT-OFF VALVES ARE SPECIFIC TO EACH APPROVED BPA, AND NO SUBSTITUTIONS OF SHUT-OFF VALVES ARE PERMITTED. REFER TO CLT WATER APPROVED LIST OF BPA’s.

2. 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.

3. ASSEMBLIES SHALL BE INSTALLED UPRIGHT AND IN THE HORIZONTAL POSITION.

4. PIPE MATERIAL AND FITTINGS SHALL BE AS SPECIFIED IN CLT WATER STANDARDS & SPECIFICATIONS.

5. VAULT AND SUPPORT OF ASSEMBLY SHALL BE DESIGNED BY OWNER, 8" - 12" SHALL BE SUPPORTED AT EACH VALVE.

6. ACCESS DOORS SHALL BE AS SPECIFIED IN CLT WATER WATER DETAILS #23, 25, OR 28 OR APPROVED EQUAL.

7. DRAINAGE INLET MAY BE PROVIDED AS SHOWN OR AS FLOOR DRAIN. SEE NOTE #4.

8. ALL LOCATIONS FOR BPA’S REQUIRE CLT WATER APPROVAL.

9. 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 CLT WATER - REQUIRED BACKFLOW PREVENTER.

10. EACH CLT WATER-REQUIRED BPA IS REQUIRED TO BE TESTED BY A CLT WATER - APPROVED CERTIFIED TESTER PRIOR TO PLACING THE WATER SYSTEM IN SERVICE. TEST RESULTS SHALL BE SUBMITTED TO CLT WATER WITHIN 30 DAYS AND TESTED ANNUALLY THEREAFTER SUBMITTING RESULTS TO CLT WATER.

11. ALL INSTALLATIONS INTENDED FOR ADDRESSING CLT WATER REQUIREMENTS REQUIRE PRIOR APPROVAL FROM THE APPROPRIATE CLT WATER BACKFLOW INSPECTOR.