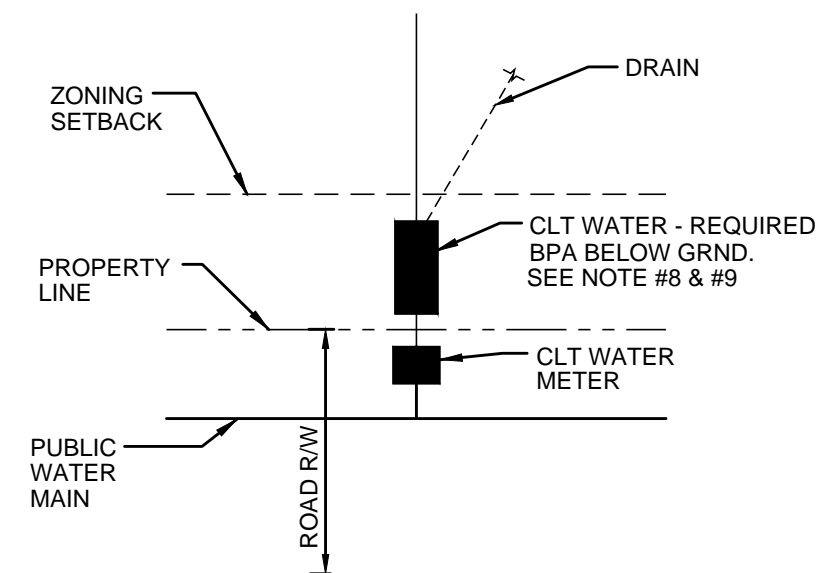


DRAIN ALTERNATIVE:  
TIE INTO PRIVATE CATCH BASIN OR PRIVATE STORMWATER MANHOLE PER  
DETAIL SHOWN ABOVE. NO TIE IN TO STORMWATER PIPE OR PUBLIC CATCH  
BASIN / MANHOLE WILL BE ACCEPTED.

NOTES:

- 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.
- 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.
- ASSEMBLIES SHALL BE INSTALLED UPRIGHT AND IN THE HORIZONTAL POSITION.
- PIPE MATERIAL AND FITTINGS SHALL BE AS SPECIFIED IN CLT WATER STANDARDS & SPECIFICATIONS.
- VAULT AND SUPPORT OF ASSEMBLY SHALL BE DESIGNED BY OWNER, 8" - 12" SHALL BE SUPPORTED AT EACH VALVE.
- ACCESS DOORS SHALL BE AS SPECIFIED IN CLT WATER WATER DETAILS #23, 25, OR 28 OR APPROVED EQUAL.
- DRAINAGE INLET MAY BE PROVIDED AS SHOWN OR AS FLOOR DRAIN.
- ALL LOCATIONS FOR BPA'S REQUIRE CLT WATER APPROVAL.
- 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.
- 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.
- ALL INSTALLATIONS INTENDED FOR ADDRESSING CLT WATER REQUIREMENTS, REQUIRE PRIOR APPROVAL FROM THE APPROPRIATE CLT WATER BACKFLOW INSPECTOR.



TYPICAL LOCATION REQUIREMENT  
FOR BELOW GROUND INSTALLATION

N.T.S.

NO SCALE

STANDARD NO.	7	VERSION DATE	5.3.2016
VERSION NO.	1.2		

DOUBLE CHECK VALVE ASSEMBLY (DC)  
2 1/2" - 12" BELOW GROUND VAULT

CHARLOTTE WATER  
STANDARD DETAILS  
BACKFLOW PREVENTION