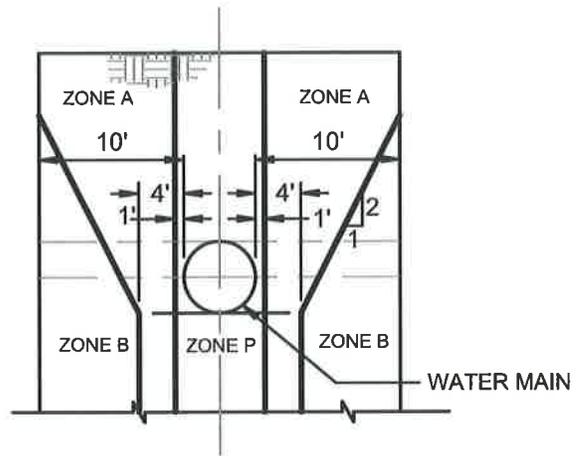
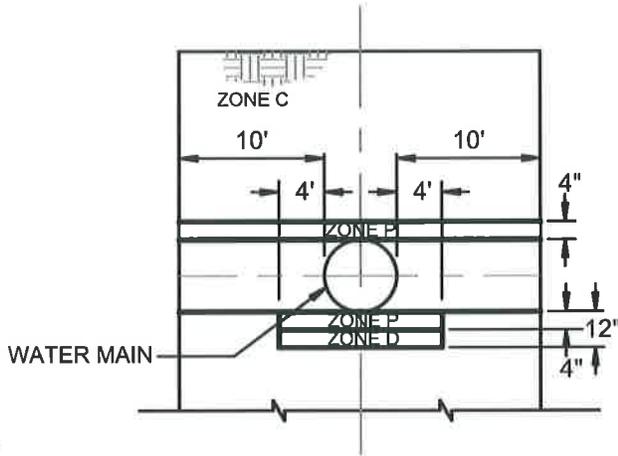


**BASIC SEPARATION STANDARDS:**

1. PARALLEL CONSTRUCTION: THE HORIZONTAL DISTANCE BETWEEN PRESSURE WATER MAINS AND SEWER LINES SHALL BE AT LEAST 10 FEET.
2. PERPENDICULAR CONSTRUCTION: PRESSURE WATER MAINS SHALL BE AT LEAST ONE FOOT ABOVE SANITARY SEWER MAINS WHERE THESE LINES CROSS.



**PERPENDICULAR CONSTRUCTION**

IF A MAIN SEWER MUST CROSS A WATER MAIN WITHIN ANY ZONE ABOVE OR IF A HOUSE LATERAL MUST CROSS IN ZONE C, SPECIAL CONSTRUCTION IS REQUIRED.

**PARALLEL CONSTRUCTION**

IF A MAIN SEWER MUST BE LOCATED WITHIN ANY OF THE INDICATED ZONES ABOVE, SPECIAL CONSTRUCTION IS REQUIRED.

ZONE	SEWER CONSTRUCTION (NEW OR EXISTING WATER)	WATER CONSTRUCTION (NEW OR EXISTING WATER)
B	A) EXTRA STRENGTH VCP W/ COMPRESSION JOINTS B) DIP W/ PUSH ON JOINTS	DIP W/ PUSH ON JOINTS
C/D	A) DIP W/ MECHANICAL JOINT ENDS B) VCP IN STEEL ENCASMENT PER BREA BREA STD PLAN 315	CONCRETE ENCASMENT OF SEWER PER BREA STD PLAN 315
A	NO CONSTRUCTION IN THIS ZONE WITHOUT APPROVAL OF CITY ENGINEER AND DEPARMENT OF PUBLIC HEALTH.	
P	NO CONSTRUCTION IN THIS ZONE.	

**NOTES:**

1. FORCE SEWER MAINS ARE NOT PERMITTED IN ZONES A,B OR C. FORCE SEWER MAINS MAY BE PERMITTED IN ZONE D ONLY WITH THE APPROVAL OF CITY ENGINEER.
2. NO PIPE JOINTS OR FITTINGS ARE PERMITTED IN ZONE C OR D.



**WATER & SEWER SEPARATION**

APPROVED:

*[Signature]*  
CITY ENGINEER

DATE: 10-15-2013

STD. PLAN NUMBER

319-0

SHEET 1 OF 1