

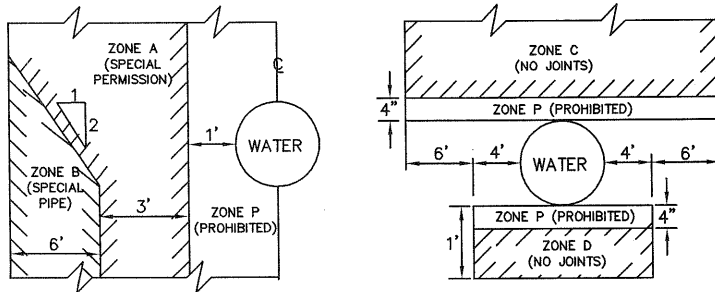
**BASIC SEPARATION STANDARDS**

1. PARALLEL CONSTRUCTION: THE HORIZONTAL DISTANCE BETWEEN DOMESTIC WATER AND RECLAIMED WATER LINES AND SEWER LINES SHALL BE AT LEAST 10 FEET, OUTSIDE OF PIPE TO OUTSIDE OF PIPE, UNLESS BASIC SEPARATION STANDARDS CANNOT BE ATTAINED AND ALTERNATIVE CONSTRUCTION CRITERIA ARE MET.
2. PERPENDICULAR CONSTRUCTION (CROSSING): WATER LINES SHALL BE AT LEAST ONE FOOT ABOVE SEWER AND RECLAIMED WATER LINES WHERE THESE LINES MUST CROSS.
3. SPECIAL PROVISIONS: WHERE THE BASIC SEPARATION STANDARDS CANNOT BE ATTAINED ALTERNATIVE CONSTRUCTION CRITERIA ARE SHOWN BELOW:

**GENERAL NOTES:**

1. NO PIPE JOINTS SHALL BE PERMITTED WITHIN ZONE D. IT IS THE INTENT OF THESE REQUIREMENTS THAT NO JOINTS SHALL OCCUR WITHIN ZONE C. IF THAT CANNOT BE ACCOMPLISHED, THE NEW LINE SHALL BE CONCRETE ENCASED FOR THE FULL LENGTH OF ZONE C.
2. SEWER FORCE MAINS SHALL NOT BE PERMITTED IN ZONES A OR B.
3. THE MATERIALS OF NEW LINE'S AT CROSSINGS SHALL BE CONSISTENT WITH OTHER NEW MATERIALS I.E, STEEL ON A STEEL LINE.
4. IF A MAIN SEWER MUST CROSS A PRESSURE WATER MAIN WITHIN ZONES C OR D, OR IF A HOUSE SEWER LATERAL MUST CROSS IN ZONE C, SPECIAL CONSTRUCTION WILL BE REQUIRED AS DESCRIBED HEREIN.
5. SEPARATION REQUIREMENTS SHALL BE IN ACCORDANCE WITH LATEST UPDATE FROM STATE OF CALIFORNIA, DEPT. OF HEALTH SERVICES, SAN DIEGO OFFICE.
6. PVC PRESSURE PIPE NOT ALLOWED IN CITY OF CORONA FOR CONSTRUCTION OF DOMESTIC WATER AND RECLAIMED WATER MAINS.

LOCATION OF NEW SEWER & RECLAIMED WATER LINES TO EXISTING DOMESTIC WATER LINE.



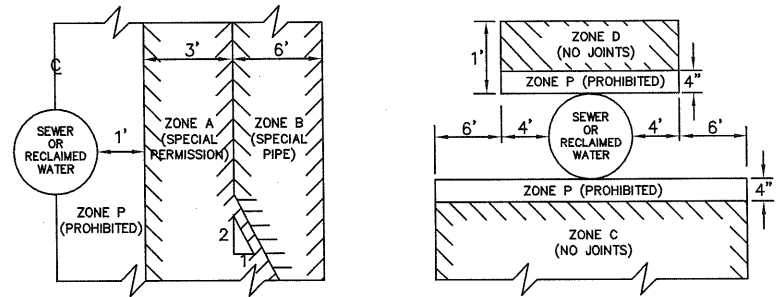
PARALLEL CONSTRUCTION

PERPENDICULAR CROSSING

IF ANY SEWER OR RECLAIMED WATER PIPELINES ARE TO BE CONSTRUCTED WITHIN ANY OF THE ABOVE INDICATED ZONES, SPECIAL CONSTRUCTION SHALL BE REQUIRED AS DESCRIBED BELOW.

ZONE	SEWER	RECLAIMED WATER/SEWER FORCEMAIN
A.	DO NOT LOCATE ANY PARALLEL SEWER OR RECLAIMED WATER LINES IN THIS AREA WITHOUT A STATE AND LOCAL HEALTH DEPARTMENT APPROVAL.	USE DIP WITH COMPRESSION JOINTS.
B.	USE EXTRA STRENGTH VCP WITH COMPRESSION JOINTS, SDR 21 PVC SEWER PIPE WITH RUBBER RING JOINTS, OR DIP WITH COMPRESSION JOINTS.	USE DIP WITH MECHANICAL COMPRESSION JOINTS - ENCASE SEWER IN CONCRETE.
C.	USE DIP WITH MECHANICAL COMPRESSION JOINTS OR CLASS 200 PVC - AWWA C900	USE DIP WITH COMPRESSION JOINTS - ENCASE SEWER IN CONCRETE.
D.	USE DIP WITH COMPRESSION JOINTS OR CLASS 200 PVC - AWWA C900	
P.	PROHIBITED ZONE PER SECTION 64630 (E) (2), CALIFORNIA ADMINISTRATIVE CODE, TITLE 22.	

LOCATION OF NEW DOMESTIC WATER LINE TO EXISTING SEWER & RECLAIMED WATER LINES.




PARALLEL CONSTRUCTION

PERPENDICULAR CROSSING

IF ANY WATER LINE IS TO BE CONSTRUCTED WITHIN ANY OF THE ABOVE INDICATED ZONES, SPECIAL CONSTRUCTION SHALL BE REQUIRED AS DESCRIBED BELOW.

ZONE	DOMESTIC WATER (SEE GENERAL NOTE 3)
A.	DO NOT LOCATE ANY PARALLEL DOMESTIC WATER LINE IN THIS AREA WITHOUT STATE AND LOCAL HEALTH DEPARTMENT APPROVAL.
B.	USE DIP.
C.	USE DIP - ENCASE SEWER IN CONCRETE.
D.	USE DIP - ENCASE SEWER IN CONCRETE.
P.	PROHIBITED ZONE PER SECTION 64630 (E) (2), CALIFORNIA ADMINISTRATIVE CODE, TITLE 22.

REVISION			APPROVED:		CITY OF CORONA
NO.	APPROVED	DATE	DATE	DATE	
			<i>Nelson D. Nelson</i>	11-26-12	 CITY OF CORONA THE QUALITY CITY
			<i>Tom Koper</i>	11-20-12	
			NELSON D. NELSON, PE. CITY ENGINEER		STD 419
			TOM KOPER, PE, DISTRICT ENGINEER, DEPARTMENT OF WATER AND POWER		SHEET 1 OF 1