

E. ALTERNATE CRITERIA FOR CONSTRUCTION

The construction criteria for sewer lines or water mains where the basic separation standards cannot be attained are shown in figures 1 and 2. There are two situations encountered.

CASE 1 -- NEW SEWER LINE -- new or existing water main

CASE 2 -- NEW WATER MAIN -- existing sewer line

For CASE 1, the alternate construction criteria apply to the sewer line.

For CASE 2, the alternate construction criteria may apply to either or both the water main and sewer line.

The construction criteria should apply to the house laterals that cross ABOVE a pressure water main but not to those house laterals that cross BELOW a pressure water main.

CASE 1: NEW SEWER BEING INSTALLED (figures 1 and 2)
Zone Special Construction Required for Sewer

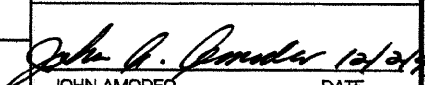
A Sewer line parallel to water mains shall not be permitted in this zone without approval from the responsible health agency and water supplier.

B A sewer line placed parallel to a water main shall not be constructed of:

1. Extra strength vitrified clay pipe with compression joints.
2. Class 4000, Type 2, asbestos-cement pipe with rubber gasket joints.
3. Plastic sewer pipe with rubber ring joints (per ASTM D3034) or equivalent.
4. Cast or ductile iron pipe with compression joints.
5. Reinforced concrete pressure pipe with compression joints (per AWWA C302-74).

C A sewer line crossing a water main shall be constructed of:

1. Ductile iron pipe with hot dip bituminous coating and mechanical joints.
2. A continuous section of class 200 (DR 14 per AWWA C900) plastic pipe or equivalent, centered over the pipe being crossed.
3. A continuous section of reinforced concrete pressure pipe (per AWWA C302-74) centered over the pipe being crossed.
4. Any sewer pipe within a continuous sleeve.

REVISIONS	APPROVED	DATE	VISTA IRRIGATION DISTRICT	PATH: (TOM) H:\STDDWGS\7-5.DWG
			WATER LINE AND SEWER SEPARATIONS	 JOHN AMODEO R. C. E. 31161
				DATE
				STANDARD DRAWING
ACAD		6/96		7-5