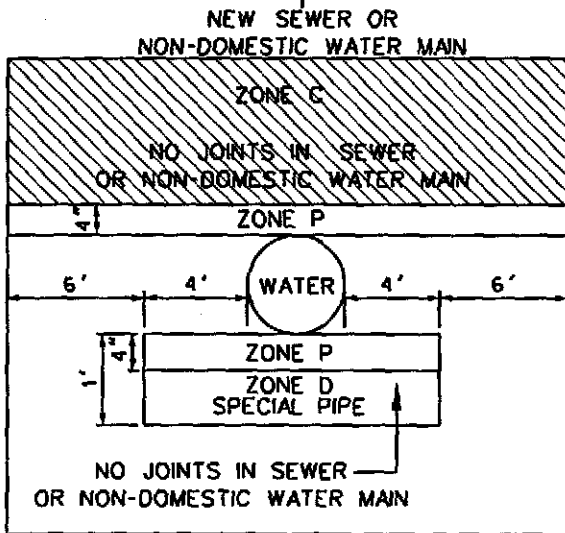
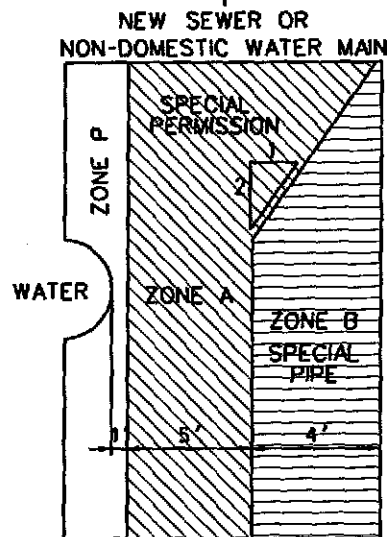


CASE II



CROSSINGS



PARALLEL CONSTRUCTION

ZONES IDENTICAL ON EITHER SIDE OF CENTERLINES SHOWN

NOTES:

1. THE DESIGN AND INSTALLATION OF SEWER FORCE MAINS REQUIRE SPECIAL CITY REVIEW AND APPROVAL
 2. THE DESIGN OF ALL WATER, SEWER AND NON DOMESTIC WATER (NDW) MAINS 24-INCH IN DIAMETER AND LARGER SHALL BE REVIEWED AND APPROVED BY THE STATE HEALTH DEPARTMENT PRIOR TO CONSTRUCTION.
- REF. SOURCE: CALIFORNIA CODE OF REGULATIONS TITLE 22, CALIFORNIA WATER WORKS STANDARDS, CHAPTER 16.

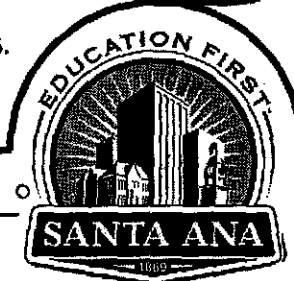
CONSTRUCTION REQUIREMENTS FOR SEWERS AND NON-DOMESTIC WATER MAINS

ZONE

- A — SPECIAL PERMISSION REQUIRED. DO NOT LOCATE ANY PARALLEL SEWER MAIN OR NON DOMESTIC WATER MAIN IN THIS AREA WITHOUT CITY ENGINEER AND STATE HEALTH DEPARTMENT APPROVAL.
- B — EXTRA STRENGTH VCP WITH COMPRESSION JOINTS, DIP POLYETHYLENE LINED OR PVC SEWER PIPE WITH PUSH-ON TYPE RUBBER RING JOINTS FOR SEWER LINES; ACP CLASS 200 OR C900 PVC PIPE CLASS 200 OR DIP PUSH-ON TYPE RUBBER RING JOINTS FOR NON-DOMESTIC WATER MAINS.
- C — DIP POLYETHYLENE LINED WITH MECHANICAL JOINTS, A CONTINUOUS SECTION OF C900 PVC PIPE CLASS 200 CENTERED OVER THE PIPE BEING CROSSED, OR ANY SEWER PIPE IN A 1/4" THICK CONTINUOUS STEEL CASING WITH ANNULAR SPACE PRESSURE GROUTED FOR SEWER LINES; FOR NON-DOMESTIC WATER MAINS USE ANY OF THE ABOVE WITH THE EXCEPTION THAT POLYETHYLENE LINING OF DIP IS NOT REQUIRED.
- D — A CONTINUOUS SECTION OF DIP POLYETHYLENE LINED WITH PUSH-ON TYPE RUBBER RING JOINTS, A CONTINUOUS SECTION OF C900 PVC PIPE CLASS 200 CENTERED ON THE PIPE BEING CROSSED, ANY SEWER PIPE IN A 1/4" THICK CONTINUOUS STEEL CASING WITH ANNULAR SPACE PRESSURE GROUTED OR ANY SEWER PIPE SEPARATED BY A 10"x10"x4" THICK REINFORCED CONCRETE SLAB; FOR NON-DOMESTIC WATER MAINS USE ANY OF THE ABOVE WITH THE EXCEPTION THAT POLYETHYLENE LINING OF DIP IS NOT REQUIRED.
- P — PROHIBITED ZONE: NO SEWER MAINS OR NON DOMESTIC WATER MAINS, CALIFORNIA CODE OF REGULATIONS TITLE 22, CALIFORNIA WATER WORKS STANDARDS, CHAPTER 16.

APPROVED: *[Signature]* DATE: 11/26/09

CITY OF SANTA ANA
PUBLIC WORKS AGENCY



DATE	REVISION
9/2/08	R.R. UPDATED

CASE II
SEPARATION OF SANITARY SEWERS AND
NON-DOMESTIC WATER MAINS FROM
WATER MAINS

STD. PLAN
NUMBER
1427A