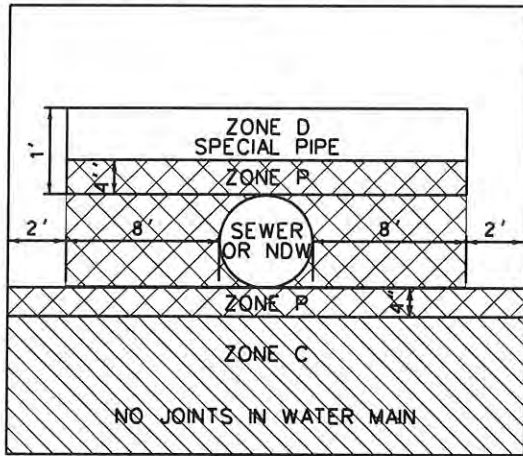
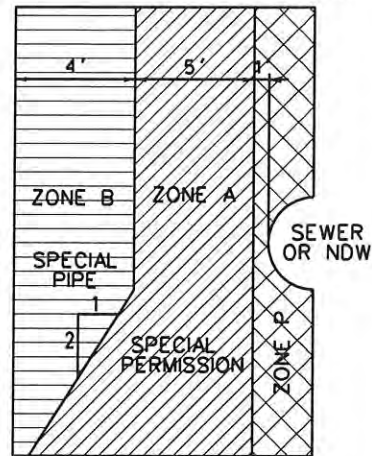


NEW WATER MAIN CONSTRUCTION



CROSSINGS

NEW WATER MAIN CONSTRUCTION



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.
 3. ALL DIMENSIONS ARE FROM THE OUTER WALL OF THE PIPE.
- REF. SOURCE: CALIFORNIA CODE OF REGULATIONS TITLE 22, CALIFORNIA WATER WORKS STANDARDS, CHAPTER 16.

CONSTRUCTION REQUIREMENTS FOR DOMESTIC WATER MAINS

ZONE

- A — SPECIAL PERMISSION REQUIRED. DO NOT LOCATE ANY PARALLEL WATER MAIN IN THIS AREA WITHOUT CITY ENGINEER AND STATE HEALTH DEPARTMENT APPROVAL.
- B — IF THE SEWER OR NON-DOMESTIC WATER MAIN DOES NOT MEET THE REQUIREMENTS OF ZONE B ON STD. 1427A, THE WATER MAIN SHALL BE DIP, C900 PVC PIPE CLASS 200 WITH PUSH-ON TYPE RUBBER RING JOINTS OR MORTAR-LINED AND COATED STEEL PIPE (1/4" THICK MINIMUM WALL) WITH FULLY WELDED JOINTS.
- C — IF THE SEWER OR NON-DOMESTIC WATER MAIN DOES NOT MEET THE REQUIREMENTS OF ZONE C ON STD. 1427 A, THE WATER MAIN SHALL BE CONSTRUCTED AS DESCRIBED FOR ZONE B ABOVE, WITH THE EXCEPTION THAT THE WATER MAIN SHALL CONTAIN NO JOINTS IN ZONE C.
- D — THE WATER MAIN SHALL BE CONSTRUCTED AS DESCRIBED FOR ZONE B ABOVE, WITH THE EXCEPTION THAT THE WATER MAIN SHALL CONTAIN NO JOINTS IN ZONE D.
- P — PROHIBITED ZONE: NO DOMESTIC WATER MAINS, CALIFORNIA CODE OF REGULATIONS TITLE 22, CALIFORNIA WATER WORKS STANDARDS, CHAPTER 16.

APPROVED: DATE: 3/8/2016

Nazir Saba

CITY OF SANTA ANA

PUBLIC WORKS AGENCY



DATE		REVISION
9/02/08	R. R.	UPDATED
6/4/13	J. A.	UPDATED

SEPARATION OF NEW DOMESTIC WATER MAINS FROM EXISTING SANITARY SEWERS AND NON-DOMESTIC WATER MAINS

STD. PLAN NUMBER
1427