



**PARALLEL UNDERGROUND
INSTALLATION ZONES**
½ SECTION VIEWS

CASE 1	NEW SEWER LINE INSTALLATION
ZONE A	SEWER LINES INSTALLED IN THIS ZONE PARALLEL TO WATER LINES SHALL NOT BE PERMITTED WITHOUT APPROVAL FROM THE SWRCB, COUNTY HEALTH DEPARTMENT AND THE WATER SUPPLIER.
ZONE B	SEWER LINES INSTALLED IN THIS ZONE, PARALLEL TO WATER LINES, ARE PERMITTED AND SHALL BE MADE OF EITHER: 1. POLYVINYL CHLORIDE SEWER PIPE (SDR 26) WITH RUBBER RING JOINTS (PER ASTM D3034). 2. DUCTILE IRON PIPE WITH COMPRESSION JOINTS. 3. AWWA C900 PVC

NOTE: SEWER LATERALS SHALL NOT BE INSTALLED ABOVE OR WITHIN 1 FOOT BELOW EXISTING WATER LINE WITHOUT CITY APPROVAL.

CASE 2	NEW WATER LINE INSTALLATION
ZONE A	WATER LINES INSTALLED IN THIS ZONE PARALLEL TO WATER LINES SHALL NOT BE PERMITTED WITHOUT APPROVAL FROM THE SWRCB, COUNTY HEALTH DEPARTMENT AND THE WATER SUPPLIER.
ZONE B	WATER LINES INSTALLED IN THIS ZONE, PARALLEL TO SEWER LINES, ARE PERMITTED AND SHALL BE MADE OF EITHER: 1. POLYVINYL CHLORIDE CLASS 200 WATER PIPE (C-900 OR C-905). 2. CLASS 350 DUCTILE IRON PIPE WITH HOT BITUMINOUS COATING. 3. HDPE PIPE WITH BUTT-FUSED OR ELECTRO-FUSION PER AWWA C905-99. 4. ANY OTHER PIPE MATERIAL CONTAINED IN A CONTINUOUS OUTER SLEEVE OR ENCASED IN CEMENT SLURRY WITH MIX DESIGN APPROVED BY THE CITY.

NOTE: WATER SERVICES SHALL NOT BE INSTALLED WITHIN ONE FOOT BELOW EXISTING WATER LINE WITHOUT CITY APPROVAL.

NOTES:

- A. STANDARD DETAILS 409 & 410 ARE RECOMMENDATIONS BY THE CITY WHEN STANDARD CLEARANCES BETWEEN WATER AND SEWER LINES CANNOT BE MET, (CA. WATERWORKS STD'S - TITLE 22, CHAPTER 16, SECTION 64572). THESE DETAILS ARE NOT TO BE CONSIDERED A GUARANTEE FOR STATE APPROVAL. PROJECT PROPONENT MUST OBTAIN FROM THE SWRCB/DIVISION OF DRINKING WATER FOR ALL CLEARANCES NOT IN COMPLIANCE WITH STATE REQUIREMENTS.
- B. ZONE P IS A PROHIBITED ZONE PER CA. WATERWORKS STD'S, ARTICLE 4, SECTION 64572 "WATER MAINS SEPARATION"
- C. ZONE E IS AN UNRESTRICTED ZONE WITH NO SPECIAL REQUIREMENTS FOR INSTALLATION.
- D. ZONES ARE IDENTICAL ON EITHER SIDE OF THE CENTERLINE.
- E. SEWER AND WATER LINES PERTAINS TO MAINS, LATERALS AND SERVICES.



APPROVED: Aug. X, 2025

STANDARD
DETAIL #

409

TITLE:

**SEWER-WATER
SEPARATION
REQUIREMENTS**

