WATER MAIN SEPARATION STANDARDS:

1. PARALLEL CONSTRUCTION: THE HORIZONTAL DISTANCE BETWEEN DOMESTIC WATER AND SEWER, PRIMARY TREATED SEWAGE, SECONDARY TREATED SEWAGE, OR HAZARDOUS FUEL LINES SHALL BE AT LEAST TEN (10) FEET, MEASURED FROM NEAREST OUTSIDE EDGE OF EACH PIPE.

2. PARALLEL CONSTRUCTION: THE HORIZONTAL DISTANCE BETWEEN DOMESTIC WATER AND STORM DRAIN, TERTIARY RECYCLED WATER OR RAW WATER LINES SHALL BE AT LEAST FOUR (4) FEET, MEASURED FROM NEAREST OUTSIDE EDGE OF EACH PIPE.

3. PERPENDICULAR CONSTRUCTION (CROSSING): WATER MAINS SHALL BE CONSTRUCTED NO LESS THAN 45-DEGREES TO AND AT LEAST ONE (1) FOOT VERTICALLY ABOVE SEWER, STORM DRAIN, HAZARDOUS FLUIDS, TREATED SEWAGE OR RECYCLED WATER MAINS WHERE THESE MAINS MUST CROSS. NO CONNECTION JOINTS SHALL BE MADE IN THE WATER MAIN WITHIN EIGHT (8) HORIZONTAL FEET OF THE NON-POTABLE FLUID PIPELINE.

4. SPECIAL PROVISIONS: ALTERNATIVE CONSTRUCTION CRITERIA ARE SHOWN BELOW WHERE THE BASIC SEPARATION REQUIREMENTS CANNOT BE ATTAINED:

NOTE:

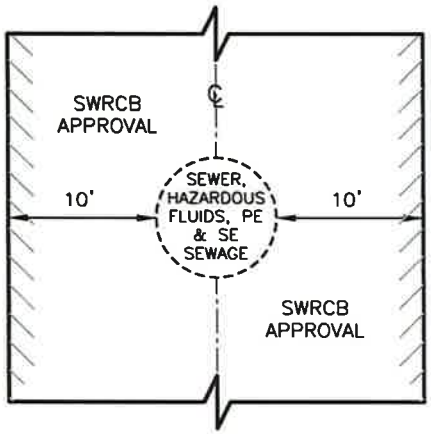
WITH STATE WATER RESOURCES CONTROL BOARD (SWRCB) APPROVAL, NEWLY INSTALLED WATER MAINS MAY BE EXEMPT FROM THE SEPARATION STANDARDS, IF THE NEWLY INSTALLED MAIN FALLS UNDER THE FOLLOWING SCENARIO:

A. LESS THAN 1320 LINEAR FEET.

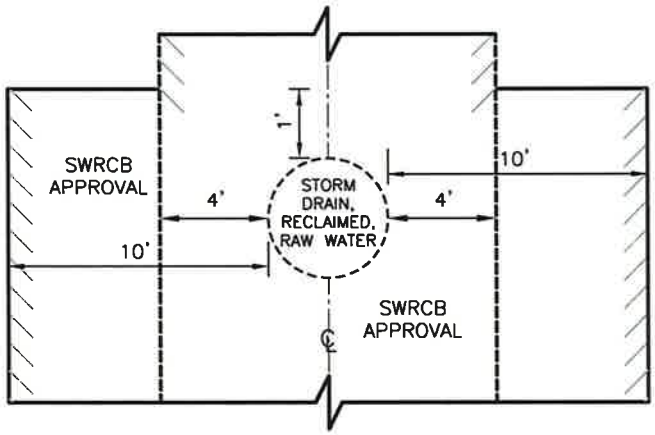
B. REPLACING AN EXISTING MAIN, INSTALLED IN THE SAME LOCATION, AND HAS A DIAMETER NO GREATER THAN SIX (6) INCHES MORE THAN THE DIAMETER OF THE MAIN IT IS REPLACING.

C. INSTALLED IN A MANNER THAT MINIMIZES THE POTENTIAL FOR CONTAMINATION, INCLUDING, BUT NOT LIMITED TO:

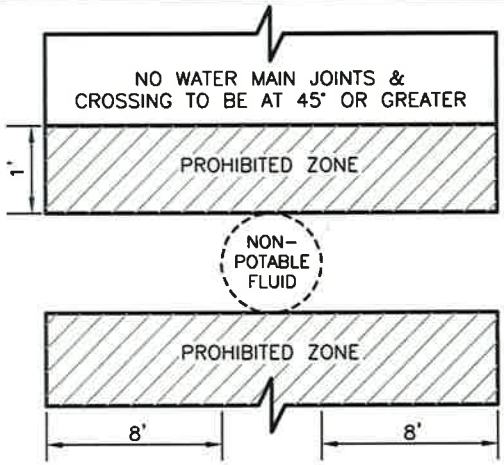
a. SLEEVING THE NEWLY INSTALLED MAIN
b. UTILIZING UPGRADED PIPING MATERIAL



PARALLEL CONSTRUCTION



PARALLEL CONSTRUCTION



PERPENDICULAR CROSSING

REVISION DATE: 01/08/2015

F.D.L.	JAN. 15
D.D.M.	JAN. 12
REVISION	DATE
SCALE: NONE	

WATER MAIN SEPARATION STANDARDS

APPROVED _____ DATE 1/14/15

MATTHEW H. LITCHFIELD, P.E. RCE 58079

DRAWING NUMBER

SBMWD

W6.14