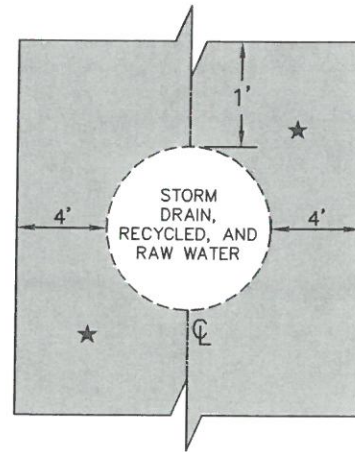


**NEW WATER
PARALLEL CONSTRUCTION**

NTS (SEE WATER MAIN SEPARATION STANDARD NOTE 1)



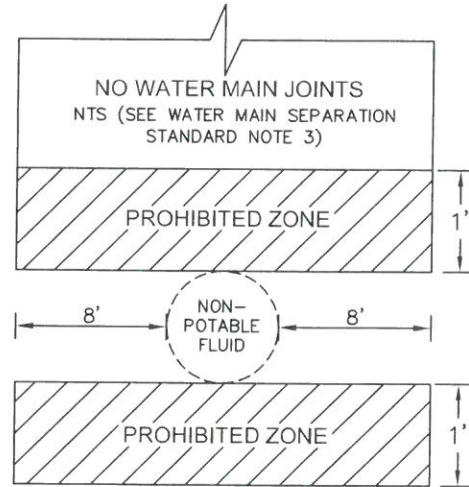
**NEW WATER
PARALLEL CONSTRUCTION**

NTS (SEE WATER MAIN SEPARATION STANDARD NOTE 2)

★ NEW WATER MAIN IN THIS ZONE REQUIRES STATE WATER RESOURCES CONTROL BOARD (SWRCB)/ DIVISION OF DRINKING WATER (DDW) APPROVAL.

WATER MAIN SEPARATION STANDARDS:

1. PARALLEL CONSTRUCTION: THE HORIZONTAL DISTANCE BETWEEN DOMESTIC WATER AND SEWER, OR HAZARDOUS FUEL LINES SHALL BE AT LEAST TEN (10) FEET, MEASURED FROM NEAREST OUTSIDE EDGE OF EACH PIPE AND AT LEAST ONE (1) FOOT VERTICALLY ABOVE 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 AND AT LEAST ONE (1) FOOT VERTICALLY ABOVE PIPE.
3. PERPENDICULAR CONSTRUCTION (CROSSING): WATER MAIN CROSSINGS SHALL BE CONSTRUCTED AT AN ANGLE OF NO LESS THAN 45-DEGREES, MEASURED FROM THE CENTERLINES OF THE CROSSING PIPELINES AND AT LEAST ONE (1) FOOT VERTICALLY ABOVE SEWER, STORM DRAIN, HAZARDOUS FLUIDS, 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.



**NEW WATER
PERPENDICULAR CROSSING**



APPROVED BY:				
<i>Louis Abi-Younes</i>		44485	6.24.17	
LOUIS ABI-YOUNES, CITY ENGINEER		RCE	DATE	
RECOMMENDED:				
<i>Dennis Mejia</i>		62268	4/19/17	
DENNIS MEJIA, UTILITIES ENGINEERING DIRECTOR		RCE	DATE	
REV	DESCRIPTION	BY	APP'D	DATE

CITY OF ONTARIO	
WATER MAIN SEPARATION STANDARDS	STANDARD DRAWING NUMBER 4001