

Water Main Separation (California Code of Regulations, Title 22, Chapter 16 §64572)

(a) New water mains and new supply lines shall not be installed in the same trench as, and shall be at least 10 feet horizontally from and one foot vertically above, any parallel pipeline conveying:

- (1) Untreated sewage,
- (2) Primary or secondary treated sewage,
- (3) Disinfected secondary-2.2 recycled water (defined in section 60301.220),
- (4) Disinfected secondary-23 recycled water (defined in section 60301.225), and
- (5) Hazardous fluids such as fuels, industrial wastes, and wastewater sludge.

(b) New water mains and new supply lines shall be installed at least 4 feet horizontally from, and one foot vertically above, any parallel pipeline conveying:

- (1) Disinfected tertiary recycled water (defined in section 60301.230), and
- (2) Storm drainage.

(c) New supply lines conveying raw water to be treated for drinking purposes shall be installed at least 4 feet horizontally from, and one foot vertically below, any water main.

(d) If crossing a pipeline conveying a fluid listed in subsection (a) or (b), a new water main shall be constructed no less than 45-degrees to and at least one foot above that pipeline. No connection joints shall be made in the water main within eight horizontal feet of the fluid pipeline.

(e) The vertical separation specified in subsections (a), (b), and (c) is required only when the horizontal distance between a water main and pipeline is less than ten feet.

(f) New water mains shall not be installed within 100 horizontal feet of the nearest edge of any sanitary landfill, wastewater disposal pond, or hazardous waste disposal site, or within 25 horizontal feet of the nearest edge of any cesspool, septic tank, sewage leach field, seepage pit, underground hazardous material storage tank, or groundwater recharge project site.

(g) The minimum separation distances set forth in this section shall be measured from the nearest outside edge of each pipe barrel.

No new non-potable lines shall be constructed such that any of the above separation requirements are violated.

If a new water main is unable to meet the separation criteria listed above, a request may be sent for a waiver, which is detailed in the two regulations below:

(h) With State Board approval, newly installed water mains may be exempt from the separation distances in this section, except subsection (f), if the newly installed main is:

- (1) less than 1320 linear feet,
- (2) replacing an existing main, installed in the same location, and has a diameter no greater than six inches more than the diameter of the main it is replacing, and
- (3) installed in a manner that minimizes the potential for contamination, including, but not limited to:
 - a) sleeving the newly installed main, or
 - b) utilizing upgraded piping material

AND §64551.100 Waivers and Alternatives

In these cases Contractor shall notify the District's inspector or project manager who will apply for a waiver from SWRCB Division of Drinking Water. Note that this is not an immediate approval process, so planning ahead is very important to avoid delays.

STD-S223

SOQUEL CREEK WATER DISTRICT

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CAD: AJB
DATE: AUGUST 14, 2023
CHECKED: BPD
APPROVED: TAD

CRITERIA FOR THE SEPARATION OF
 WATER MAINS AND SANITARY SEWERS
 CA CODE EXCERPT

STD. NO.
S-22
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