

(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), ABOVE, A NEW WATER MAIN SHALL BE CONSTRUCTED CO LESS THAN 45-DEGREES TO (PERPENDICULAR PREFERRED), 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), ABOVE, IS REQUIRED ONLY WHEN THE HORIZONTAL DISTANCE BETWEEN A WATER MAIN AND PIPELINE IS TEN FEET OR LESS.

(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.

(h) WITH STATE BOARD APPROVAL, NEWLY INSTALLED WATER MAINS MAY BE EXEMPT FROM THE SEPARATION DISTANCES IN THIS SECTION, EXCEPT SUBSECTION (F), ABOVE, 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 IS IS REPLACING, AND
- (3) INSTALLED IN A MANNER THAN MINIMIZES THE POTENTIAL FOR CONTAMINATION, INCLUDING, BUT NOT LIMITED TO:
  - (A) SLEEVING THE NEWLY INSTALLED MAIN, OR
  - (B) UTILIZING UPGRADED PIPING MATERIAL.

**ALTERNATIVE CONSTRUCTION CRITERIA**

WHEN NEW WATER MAINS, NEW SANITARY SEWER MAINS, OR OTHER NON-POTABLE FLUID-CARRYING PIPELINES ARE BEING INSTALLED IN EXISTING DEVELOPED AREAS, LOCAL CONDITIONS (E.G., AVAILABLE SPACE, LIMITED SLOPE, EXISTING STRUCTURES) MAY CREATE A SITUATION IN WHICH THERE IS NO ALTERNATIVE BUT TO INSTALL WATER MAINS, SANITARY SEWER MAINS, OR OTHER NON-POTABLE PIPELINES AT A DISTANCE LESS THAN THAT REQUIRED BY THE SECTIONS 64630 AND 64572 OF THE CCR. IN SUCH CASES, THROUGH PERMIT ACTION, THE DDW MAY APPROVE ALTERNATIVE CONSTRUCTION CRITERIA. THE ALTERNATIVE APPROACH IS ALLOWED UNDER: SECTION 64551.100 – WAIVERS AND ALTERNATIVES

(a) A WATER SYSTEM THAT PROPOSES TO USE AN ALTERNATIVE TO A REQUIREMENT IN THIS CHAPTER SHALL:

- (1) DEMONSTRATE TO THE STATE BOARD THAT THE PROPOSED ALTERNATIVE WOULD PROVIDE AT LEAST THE SAME LEVEL OF PROTECTION TO PUBLIC HEALTH; AND
- (2) OBTAIN WRITTEN APPROVAL FROM THE STATE BOARD PRIOR TO IMPLEMENTATION OF THE ALTERNATIVE. APPROPRIATE ALTERNATIVE CONSTRUCTION CRITERIA FOR TWO DIFFERENT CASES IN WHICH THE REGULATORY CRITERIA FOR SANITARY SEWER MAIN AND WATER MAIN SEPARATION CANNOT BE MET ARE SHOWN IN:

**FIGURE 1 (PARALLEL CONSTRUCTION)**

- CASE 1: NEW SANITARY SEWER MAIN
- CASE 2: NEW WATER MAIN

**FIGURE 2 (CROSSINGS)**

- CASE 1: NEW SANITARY SEWER MAIN
- CASE 2: NEW WATER MAIN



**Ventura County  
Waterworks  
District No. 8**

**SEPARATION REQUIREMENTS FOR  
WATER MAINS AND NON-POTABLE PIPELINES**

RECOMMENDED:

/s/

DEPUTY DIRECTOR / DISTRICT ENGINEER

APPROVED:

/s/

DIRECTOR OF PUBLIC WORKS

JUL 2021

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