**EXISTING OR PROPOSED WATER MAINS, 12" AND LARGER**  
(MEASURED FROM OUTER EDGE OF WATER MAIN TO OUTER EDGE OF OTHER UTILITY)

- Min. 5-ft horizontal separation from:
  - Storm drains
  - Gas lines 4" or smaller
  - Electrical conduit 4" or smaller
  - Phone/cable conduit 4" or smaller
  - Other public water mains

- Min. 10-ft horizontal separation from:
  - Sewer and reclaimed water facilities
  - Gas lines larger than 4"
  - Electrical conduit larger than 4"
  - Phone/cable conduit larger than 4"

**EXISTING OR PROPOSED WATER MAINS, 8" AND SMALLER**  
(MEASURED FROM CENTERLINE OF WATER MAIN TO OUTER EDGE OF OTHER UTILITY)

- Min. 5-ft horizontal separation from:
  - Storm drains
  - Gas lines 4" or smaller
  - Electrical conduit 4" or smaller
  - Phone/cable conduit 4" or smaller
  - Other public water mains

- Min. 10-ft horizontal separation from:
  - Sewer and reclaimed water facilities
  - Gas lines larger than 4"
  - Electrical conduit larger than 4"
  - Phone/cable conduit larger than 4"

**EXISTING OR PROPOSED WATER SERVICE AND FIRE HYDRANT LATERALS**  
(MEASURED FROM CENTERLINE OF WATER LATERAL TO OUTER EDGE OF OTHER UTILITY)

- Min. 5-ft horizontal separation from:
  - Storm drains
  - Gas lines 4" or smaller
  - Electrical conduit 4" or smaller
  - Phone/cable conduit 4" or smaller
  - Other public water mains
  - Public water mains (3-ft for water laterals)
  - Sewer service laterals
  - Reclaimed water service laterals

- Min. 10-ft horizontal separation from:
  - Sewer and reclaimed water mains
  - Gas lines larger than 4"
  - Electrical conduit larger than 4"
  - Phone/cable conduit larger than 4"

**NOTES**

1. Water-sewer (water-reclaimed water) separation shall be per the requirements of the California Department of Health Services.

2. If existing utilities are replaced, the new facilities shall meet the current minimum separation requirements.

3. If there are different separation requirements based on other utility requirements, or local, state, or federal regulations, the stricter separation requirements shall prevail.

4. For vertical separation requirements, see W-22B.