

**OLIVENHAIN MUNICIPAL WATER DISTRICT**  
**GENERAL POTABLE WATER SYSTEM NOTES**  
**REQUIRED FOR SUBDIVISION IMPROVEMENT PLANS**

---

1. Potable water works shall be constructed in accordance with the details and materials as specified in the most recent edition of the Olivenhain Municipal Water District (District) Standard Specifications and Drawings for the Construction of Water Mains and Facilities, including all amendments adopted prior to the District approval date on these plans. Contractor shall have a copy of the Standard Specifications on the job site at all times.
2. The submission and review of all submittals (shop drawings, six sets) as required by the Standard Specifications are to be accomplished prior to the pre-construction meeting with the District's Inspector.
3. Unless otherwise noted, connections to existing mains shall be made dry. The time and duration of any shutdowns of existing mains shall be subject to approval by the District. District shall be notified two weeks minimum in advance of any shutdown.
4. Contractor shall coordinate with District all arrangements for high-lining temporary services prior to shutdowns. No shutdowns will be scheduled on a Monday or Friday.
5. Contractor shall review all proposed trench work with Cal/OSHA. A copy of exemption letter or trenching permit, if required, shall be submitted to the District prior to construction.
6. No work may begin or proceed without direction of District's Inspector. Contractor shall notify the District inspections department 48 hours prior to the beginning of work to arrange for inspection of the project.
7. The Contractor must call "Dig Alert of Southern California" to have underground service utilities located prior to construction. This call will be made at least 48 hours in advance prior to any work being performed in public right-of-way. (Dig Alert phone: 800-227-2600)
8. All existing facilities which may affect project construction, i.e., line crossings, line paralleling, or proposed connections shall be field verified before any construction begins.
9. The Contractor shall furnish and install per the Standard Specifications the appropriate buried utility warning and identification tape above all public water lines including water laterals located in public right-of-way.
10. Where elevations and grades are not shown on the water main profile, top of pipe profile is 48-inches below centerline of finish grade of street.
11. All deflections (horizontal and vertical) shall be made by use of joint couplings with 4° maximum deflection per coupling (2° per joint). No bending (curving) of pipe shall be permitted.

12. Manual air releases shall be installed at all high points and blow-offs at all low points in the water main profile. Place manual air releases and blow-offs within meter box and locate behind curb unless otherwise approved by District's Representative. Fire hydrants may be used in lieu of a manual air release or blow-off when located at or near high or low points, as approved by the District's Representative.
13. Install a minimum 1-inch water service to each lot. Meter to be located 5-feet from a side lot line. A 3/4-inch high letter "W" shall be chiseled in top of existing curb or imprinted in new curb at all water service crossings.
14. Meter boxes shall not be placed within driveways or sidewalks without the District's prior written consent.
15. All water services for irrigation, multiple residential complexes, commercial or industrial development shall have approved backflow prevention device on customer's side of water meter.
16. Contractor shall tie off all valve locations and provide written dimensions to Inspector immediately upon installation of valves.
17. Line valves, where required at street intersections shall be located at the tee whenever possible.
18. Fire hydrants, as approved by the appropriate Fire District and meeting the District's Standard Specifications, are to be installed at locations specified by the Fire District.
19. All design changes to the water system shall be approved by the District Representative in writing prior to construction and acceptance of the change.
20. The water system shall be pressure tested in accordance with the procedures in the OMWD Standard Specifications. The class of pipe shall be used as the designated working pressure for testing all pipe, valves (closed) and appurtenances.
21. Pipelines and appurtenances shall be disinfected in accordance with Section 15041 of the OMWD Standard Specifications prior to tie-in or connection to existing system facilities. Bacteriologic quality test results shall conform to the criteria specified in that specification.
22. Contract Record Drawings must be submitted prior to final acceptance of work. The plans must provide post construction verification of the location and elevation of pipes and appurtenances.
23. Contractor shall guarantee all work for a period of one (1) year after the date of acceptance for the project. Contractor shall repair or replace any or all such work, together with any other work which may be displaced in so doing that may prove defective in workmanship and/or materials within the one-year period from the date of acceptance without expense whatsoever to the District, ordinary wear and tear, unusual abuse or neglect excepted.

24. All irrigation meters shall be served with recycled water unless previously approved in writing by the District.
25. All buried nuts and bolts on all fittings and valves shall be wax tape wrapped in accordance with OMWD Standard Specifications.