

**GENERAL RECYCLED WATER SYSTEM NOTES
REQUIRED FOR SUBDIVISION IMPROVEMENT PLANS**

1. The recycled water system shall conform to the rules and regulations for reclaimed and non-potable water service of the Olivenhain Municipal Water District, Ordinance No. 175, dated March 1989, and all subsequent amendments.
2. Recycled 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 for the Construction of Water Mains and Facilities, including all amendments adopted prior to the District approval date on these plans ~~December 1987~~. Contractor shall have a copy of the OMWD Standard Specifications on the job site at all times.
3. The submission and review of all submittals (shop drawings, six sets) as required by the OMWD Standard Specifications are to be accomplished prior to the pre-construction meeting with the District's Inspector.
4. 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.
5. 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.
6. 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.
7. 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.
8. 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.
9. All existing facilities which may affect final construction, i.e., line crossings, line paralleling, or proposed connections shall be field verified.
10. The Contractor shall furnish and install per the OMWD Standard Specifications the appropriate buried utility warning and identification tape above all public recycled water lines including recycled water laterals located in public right-of-way.
11. Recycled water main shall be purple PVC pipe AWWA C 900, with two continuous metallic tape strips, stamped "Recycled Water." Strips shall be set at top of pipe and at 24" above the pipe.
12. Where elevations and grades are not shown on the water main profile, top of pipe profile is 66-inches below centerline of finish grade of street.

13. 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.
14. Manual air releases shall be installed at all high points and blow-offs at all low points in the water main profile. Manual air releases and blow-offs shall be located behind curb unless otherwise approved by District's Representative.
15. Install recycled water service(s) in accordance with size(s) defined on the drawings. Locations of recycled water meters are subject to approval by District's Inspector. 3/4-inch high letters "RW" shall be chiseled in top of existing curb or imprinted in new curb at all recycled water service crossings.
16. Meter boxes shall not be placed within driveways or sidewalks without the District's prior written consent.
17. Contractor to tie off all valve locations and provide written dimensions to Inspector immediately upon installation of valves.
18. Line valves, where required at street intersections shall be located at the tee whenever possible.
19. All design changes to the recycled water system shall be approved by the District Representative in writing prior to construction and acceptance of the change.
20. The recycled 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. 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.
22. 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.
23. For all applications utilizing non-hex head bolts, including, but not limited to, T-bolts on mechanical joint fittings, the bolts and nuts shall be coated with a fluoropolymer corrosion inhibiting coating. The coating system shall be Tripac 2000 blue coating system, or District approved equal. The proposed coating system shall be approved by the District prior to installation in the field. The coating system shall be applied per the manufacturer's recommendations.
24. All valve box installation for buried valves in public paved street within the County of San Diego shall adhere to the County's Regional Standard Drawings No. W-12A and W-12B for valve well cover and valve well frame and assembly.

25. All irrigation meters shall be served with recycled water unless previously approved in writing by the District.

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