

# VALLECITOS WATER DISTRICT GENERAL NOTES

1. All water and sewer lines shall be installed according to the current standard specifications drawings and approved material list of the Vallecitos Water District for the construction of water and sewer facilities. Any changes or revisions therefrom shall be approved by the City/County Engineer and Vallecitos Water District Engineer prior to construction.
2. Water lines shall have a minimum cover of 42 inches. Sewer lines shall have a minimum cover of 5 feet.
3. Contractor shall notify the following agencies 48 hours prior to construction. A valid Underground Service Alert ticket shall be on file.

Vallecitos Water District.....	1-760-744-0460
Cox Communication .....	1-800-227-2600
S.D.G. & E. ....	1-800-227-2600
AT&T .....	1-800-227-2600
Underground Service Alert .....	811
4. It shall be the responsibility of the contractor to verify the location of all substructures, whether shown on the plans or not, and protect them from damage. The actual location and depth of all existing water and sewer lines is to be verified by the contractor and any discrepancy is to be brought to the attention of the engineer of work for correction and then submitted to the District for approval.
5. Neither the engineer, owner nor the Vallecitos Water District shall be responsible for the enforcement of safety standards.
6. A preconstruction conference meeting with Vallecitos Water District personnel shall be held a minimum of three (3) working days prior to construction.
7. A signed set of improvement plans does not imply that construction may begin. The contractor must contact the Vallecitos Water District engineering department.
8. Any proposed changes in the approved improvement plans must be reviewed and approved by the District prior to the installation of such changes and the changes shall be shown on the improvement plans.
9. It shall be the responsibility of the developer to maintain at all times on the job site, an "as-built" record of all water and sewer mains and appurtenances installed under his contract and provide said record to the engineer at the completion of the contract. The engineer shall provide two (2) red-lined sets of "as-builts" to the District prior to the water and sewer system being placed into service, and a final "as-built" mylar as a condition of acceptance of the water and sewer system.
10. All contractors working in the public rights-of-way shall obtain a separate encroachment permit or excavation permit from the appropriate agency. Inspection of all work is required. Forty-eight (48) hours advance notice is required for inspection. (No work shall be performed in the public right-of-way or District easements or on District facilities on Saturdays, Sundays or legal holidays observed by the District and/or the City without the express permission of the District.
11. Contractor shall pothole (excavate and expose) all utilities along construction excavation corridor as shown on plans or identified by USA mark-out. The pothole information (utility size, type, location, elevation, grade and alignment) shall be submitted to Vallecitos Water District prior to construction. Potholing shall not be scheduled for Mondays or Fridays. In addition, potential conflicts with existing utilities, as identified by contractor, shall be submitted prior to construction. Consequences of contractor's failure to pothole and provide information to District shall be the contractor's full responsibility and liability.
12. A blasting plan shall be submitted for District approval prior to the use of explosives near District facilities.
13. Streets and easements shall be constructed to compacted sub grade prior to installation of the public water or sewer system unless approved by District Engineer. Any existing water and sewer facilities must remain accessible and at grade at all times.

14. All water lines shall be PVC, C900 DR14, or as noted. All fittings are to be push on, unless otherwise shown and approved by the District Engineer. No deflection will be allowed for PVC pipe. The use of high deflection couplings may be allowed at the discretion of the District Engineer. All sewer lines shall be bell and spigot SDR35 PVC green pipe, or as noted. Laterals may be white or green.
15. A 10-gauge insulated tracer wire (blue) with warning tape shall be installed in a continuous run along PVC water mains to and from Snake Pit CD-14 tracer boxes located in fire hydrant pads. No splices unless approved by Vallecitos Water District (VWD).
16. The contractor shall test his lines against his own blocking and not against District valves.
17. Upon connection of the new water system to the existing system, all valves on the existing and new system shall be operated only by District personnel. The developer or contractor shall notify District inspector in writing a minimum of 6 working days prior to a planned shutdown. Shutdowns shall not be scheduled for Mondays or Fridays. All shutdowns require State certified bacteria test.
18. Unless otherwise shown, sewer laterals and water services shall be run perpendicular to the main.
19. The minimum size for water services shall be one-inch (1"). All water services shall be marked with a "W" on the curb and shall be shown on the "as-built" drawings.
20. All installations with static pressure greater than 175 psi for ¾" & 1" meters or 200 psi for 1 ½" & 2" meters will require a pressure regulating valve to be installed before the water meter. 1" high pressure water services will require a #6B meter box. An additional pressure regulating valve may be installed after the meter as deemed necessary by the owner/developer to protect on-site fixtures.
21. All materials shall be utilized only within the pressure rating of the device.
22. Sewer mains shall be constructed with a consistent grade between manholes. The use of horizontal or vertical curves shall not be allowed.
23. All sewer laterals shall be constructed to a minimum five-foot (5') depth (to top of pipe) at property line and shall be clear of driveways. All laterals shall be clearly marked with an "S" on the curb and shall be shown on the "as-built" drawings. Sewer service laterals are to be installed perpendicular to the main with no bends.
24. All abandoned sewer laterals shall be capped at the main. All abandoned water services shall be plugged off at the main, and the connection severed. Bails and service saddles other than brass shall be replaced prior to abandonment. Relocate existing services as directed by the District engineer. Water main stubs which are not used shall be abandoned at the main by removing valve and installing blind flange at tee. Shutdown of water mains may be required during abandonment. Abandoning existing water or sewer mains shall consist of removal or slurry fill as approved by District.
25. Developer or contractor shall be responsible for removal of ACP pipe which shall be performed by a contractor registered by Cal/OSHA and certified by the State Contractors Licensing Board for asbestos removal.
26. Water services which are damaged during construction shall be replaced in full with a copper service per District specifications as directed by the District. Sewer laterals or wyes damaged or modified during construction shall be replaced in full, as directed by the District.
27. Relocation or extension of an existing water meter shall mean installation of the meter at a location in conformance with District specifications as directed by the District and perpendicular to the mainline connection, unless otherwise noted. Service laterals other than copper shall be replaced to the main. Bails and service saddles other than brass shall also be replaced. Shutdown of main may be required.
28. Prior to acceptance of any sewer line by the District, all mains shall be air tested, flushed clean using a vac-truck, and shall pass a 5% mandrel through the pipe. A video camera inspection of the sewer main shall be conducted by private contractor.
29. The District will not supply water service, except for fire protection, to any project until all provisions of the District standards and improvement plans have been met, and final acceptance of the project has been granted by the District Board of Directors.

30. All VWD easements are exclusive for VWD water and sewer facilities only. No other utilities are allowed within VWD easements. Crossing may be allowed provided there is a minimum of 12-inches vertical separation. Crossings must be pre-approved by VWD and processed through the Engineering Department with the recordation of an encroachment agreement. The VWD easement and encroachment agreement recorded document numbers must be noted on plans.
31. The interior of manholes greater than 48-inch in diameter shall be coated with a polyurethane lining system.
32. All fire hydrant tops shall be painted in accordance with NFPA 291, as directed by the local fire protection agency.