



## VALLECITOS WATER DISTRICT

Water and Wastewater Specialists since 1955 • 201 Vallecitos de Oro • San Marcos, CA 92069-1453 • Telephone (760) 744-0460

# Vallecitos Water District Inspection Sequence Form

## I. GENERAL INSPECTION REQUIREMENTS

- A. 48-hr. notice for Inspection requests.
- B. Reference District website for Approved Materials, District Specifications and Standard Drawings.
- C. Streets and easements shall be constructed to compacted subgrade prior to installation of public sewer and water system, 3-foot minimum cover, unless approved by District Engineer. Any existing water and sewer facilities must remain accessible and at grade elevation, at all times.
- D. Pothole survey information shall be turned into Engineer of Work per District General Note 11 prior to the start of construction. No potholing, hot/wet taps or shutdowns near District facilities Mondays or Fridays, unless previously authorized by District Inspector.
- E. Two copies of survey cut sheets shall be provided to District Inspector prior to digging.
- F. No survey stakes, no digging, no inspections. Staking shall be at 20-foot maximum intervals.
- G. Contractor's confined space entry permit program shall comply with Cal OSHA/OSHA requirements. Access to any District facilities is prohibited without prior authorization by a District representative.
- H. Backfill materials shall comply with District Specification Section 02223. Must also meet the minimum Excavation Ordinances of the local governing agency .
- I. Shutdown request: Shall be submitted in writing using the Districts Shutdown Request Form a minimum of 6 working days prior to the shutdown. Requested shutdown date will need to be approved by the District and is contingent on District Operations.
- J. Inspection of all exposed sewer and water lines shall be required during installation of all other utilities. All crossings shall require a 1-foot minimum separation.
- K. Raise all roadway appurtenances to grade after final paving is complete per District standards.
- L. **Overtime: If requesting Inspections outside normal working hours it must be submitted in writing in advance and must be approved by the District. It is 4 hour minimum and additional inspection deposits may be required. Developer is responsible for all costs.**

## II. SEWER INSPECTION/TESTING

- A. Manhole survey shall provide stakes with "IN/OUT" and "line only".
- B. Sewer laterals staked with I.E. cut and line stake at property line.
- C. Straight line trenches no exceptions.
- D. Sewer inspections for line and grade shall be manhole to manhole prior to placement of backfill.
- E. Pipe Zone backfill; Refer to District Specification 02223 and Standard Drawing S-12.
- F. 2-Sack Slurry backfill shall be required at manhole structures in existing roadways and streets.
- G. Sewer air test: 3 PSI for 3 minutes (no loss) after ALL other utility trenches are installed and compacted.
- H. Vactor truck, mandrel (5%) and flush, after first lift of asphalt has been placed.
- I. Manhole lining application and inspection shall comply with District Specification Section 09801
- J. CCTV camera the entire sewer system.
- K. Sewer lateral connections shall be made after the sewer system has been accepted by District Inspector and precise grade for the property has been completed. District Inspector shall inspect property line private connection.
- L. Additional cleaning may be required after paving and manholes are brought up to grade.



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### III. WATER INSPECTION/TESTING

- A. Ductile Iron Pipe and Fittings shall receive primer, wax tape wrap on bolts and plastic wrapped per District standards.
- B. Pipe Zone backfill: Refer to District Specification 02223 and Standard Drawing W-17.
- C. Service runs: Ninety-degrees from the main. Survey shall be required at Cul-de-sacs for connection at main and services at property line.
- D. Services located in hardscape or pedestrian path of travel shall require a 6B meter box to be installed.
- E. Water meter boxes shall be set after curb & sidewalks are in and precise grade for the property has been completed. A temporary sidewalk panel(s) with proposed design finish surface elevation is acceptable. Protection measures around the meter boxes may be required at the District Inspectors discretion.
- F. Cutting, sawing and drilling of AC pipe is not permitted.
- G. Water Pressure Test: After mainline and all appurtenances are constructed (225 psi for 1 hour) or as required by the District Engineer.
- H. Chlorine test: Maximum 100 PPM Dose. After 24 hours of contact time 50 PPM minimum.
- I. Bacteria Test: State certified lab to sample and test. 48-hour HPC/ e-coli/coliform.
- J. Contractor / Developer to schedule: STATE HEALTH REQUIRES ANY PUBLIC WATER SYSTEM TAKEN OUT OF SERVICE MUST BE BACTERIA TESTED UPON REACTIVATION.
- K. All appurtenances to be painted per Approved Material List. Paint top of fire hydrant per governing agency.

### IV. PROJECT COMPLETION (Letter of Release given after completion)

- A. Account balance current.
- B. Meter number / address form completed.
- C. Contractor shall request a punch list walk with District Inspector once the project has reached substantial completion. Punch list items shall be completed prior to Board Acceptance.
- D. Compaction Certification – letter from a Soils Engineer certifying the water & sewer trench backfill and compaction.
- E. All meters shall remain locked until all the above items have been completed and project has been final accepted by the Board of Directors.
- F. Warranty bond – 25% of original improvement bond.
- G. As-built photo mylars submitted to the District Engineering Technician for review and approval by District Inspector.
- H. ACAD files digitally submitted to the District Engineering Technician .
- I. Final Acceptance by the Board of Directors.
- J. Customer shall call Customer Service:
  - a) Sign up for service by completing a “Customer Reference Form”.
  - b) Schedule unlocking of meters with the District Meter Department.
  - c) Coordinate backflow device certifications with District Meter Department.
  - d) If any work is done outside normal working hours or on the weekend, job must be left open for inspection.