

Phelan Piñon Hills Community Services District

General Notes

1. All work shall be done in accordance with these plans and to the latest Phelan Piñon Hills Community Services District (PPHCSD or District) standards and technical specifications.
2. It is the Contractor's responsibility to maintain a current and approved set of District's Technical Specifications on the job site at all times. Standard Specifications can be obtained online at www.PPHCSD.org.
3. The Contractor shall be responsible for making arrangements for construction inspection at least 48 hours prior to beginning of work.
4. It shall be the responsibility of the Contractor to familiarize himself with the job site and the location of all underground facilities shown, or not shown, on these plans and to compare actual conditions with the drawings to ascertain the conditions under which the Work is to be performed. The Contractor shall report all discrepancies to the Engineer prior to the commencement of the Work. Commencement of the Work shall constitute full acceptance of the existing site conditions, and the Contractor will be unilaterally responsible for any damage done to existing utilities or other structures that are shown, or not shown, on these plans.
5. The Contractor shall be responsible for any, and all damages to pipe incurred during backfill and compaction operations.
6. The Contractor shall obtain all necessary permits.
7. Thrust blocks shall be installed per PPHCSD standard drawing no. W-7.
8. Prior to construction, the Contractor shall contact all utility agencies to determine the exact location of all underground facilities whether shown, or not shown. It shall be the Contractor's responsibility to protect all existing facilities from damage during construction.
9. Call Underground Service Alert two working days prior to any trenching, etc., at 811 or www.Contact811.org. The following agencies shall be contacted prior to any construction or excavation begins:

Phelan Piñon Hills CSD	760-868-1212
Frontier Communications	661-948-4803
So-Cal Gas Company	800-427-2200
Southern California Edison Co.	800-684-8123
Race Communications	877-722-3833
Spectrum (Charter)	No Direct Number – Call 811
State of CA Dept. Water Resources	661-944-8574/8563
LA Dept. Water & Power	213-367-0583
County of San Bernardino	909-387-8130
Caltrans District 8	909-888-7153
Dig Alert	811 or www.Contact811.org

10. Water pipeline shall be PVC C900, Class 200 and installed with location tape 18" below finished grade and 14 GA. insulated wire taped to pipe and brought to surface at valve boxes and hydrants. All splices to be made with 3M connectors.
11. All new fire hydrants installed are to be covered at time of installation, until the water line is active.
12. Any relocation of existing Type "A" (two 2-1/2" outlets) and/or 4-1/2" barrel size hydrants must be replaced with Type "B" (two 2-1/2", one 4" outlets) 5-1/4" hydrant.
13. Any hydrants to be relocated require a new connection from hydrant valve at the water main to relocated hydrant per PPHCSD standard drawing no. W-3. Existing AC hydrant lateral shall be removed and disposed of by the Contractor.
14. All fire hydrants removed shall be salvaged and returned to the District's yard at 12336 Oasis Road, Piñon Hills.
15. The Contractor shall coordinate all tie-ins of new water mains with Water Operations Manager 760-868-1212, Ext. 314, to keep interruptions to a minimum. No interruptions to existing services shall be made unless the District grants prior approval.
16. The Contractor shall insure that utility easements, if required, have been recorded prior to start of work.
17. Water main shall have a minimum of 48" cover from top of pipe to finish grade. Transmission pipeline shall have a minimum of 60" cover from top of pipe to finish grade.
18. All Stationing is based on the centerline of the street, unless otherwise noted.
19. All service changeovers to be the responsibility of the Contractor. Existing service lines to be removed at the time of new connection from meter to main.
20. Hydro test at 200 PSI minimum, for a two (2) hour duration at the lowest point in the new water line. Schedule with District 48-hours prior to testing.
21. Service lines are to be installed per standard drawing No.'s W-2a, W-2b, W-2c, and W-2d.
22. Water meters to be relocated require new service line from corporation stop to relocated water meter. No couplings are allowed. Refer to PPHCSD standard drawing No.'s W-2a, W-2b, W-2c, and W-2d.
23. All valves installed by the Contractor shall be accessible for operation with complete valve can assembly to grade directly following connection to existing water system. See standard drawing No.'s W-5 and W-6.
24. The Contractor shall be held responsible for any field changes made without prior written authorization from the undersigned Engineer and Phelan Piñon Hills CSD.
25. The Contractor agrees that he shall assume sole and complete responsibility for job site conditions during construction of this project, including safety of all persons and property; that this requirement shall apply continually and not be limited to normal working hours; and that the Contractor shall defend, indemnify and hold the District and the Engineer harmless from any and all liability, real or alleged, in connection with the performance of work on this project excepting for liability arising from the sole negligence of the District or the Engineer.
26. All excavations shall be backfilled at the end of each working day and roads open to vehicular traffic unless otherwise approved by Phelan Piñon Hills CSD.
27. The Contractor shall obtain an excavation permit or "letter of non-objection" from the County Transportation Department, permit section, prior to any grading or pipeline excavation within County right-of-way.
28. All pipe distances shown are horizontal.
29. All work shall be constructed in accordance with the vertical and horizontal measurements of these plans and existing design standards. Adequate stakes shall be set under the direction of a licensed Surveyor/Engineer for the Contractor.

All construction surveying shall be performed in accordance with the surveying procedure of the Surveyor/Engineer of record. If third party subcontractors perform the construction layout and surveying for this project without the coordination of the Surveyor/Engineer of record, they shall have assumed the position of Surveyor/Engineer of record. The final check of this design is to be the construction staking as the design meets the existing control and elevations. All existing street cross sections shall be verified for minimum cross fall at time of staking. Any discrepancies to the standard design criteria shall be brought to the attention of the Surveyor/Engineer of record prior to proceeding with construction. If construction continues without verification, the Contractor assumes responsibility of the correctness of the intended design.

30. The Contractor is responsible for protecting all survey monuments. Any survey monuments disturbed, during the course of construction, shall be replaced by a licensed Surveyor and at the Contractor's expense.
31. The method and location of connection to the public water supply, and requirements for backflow protection, shall be provided in accordance with District requirements.
32. All traffic control shall be per M.U.T.C.D., "Manual on Uniform Traffic Control Devices".
33. The Contractor shall coordinate with other utilities, trades, and architectural plans to avoid conflicts and verify building tie-in location.
34. The Engineer of Record signing these plans is responsible for the accuracy and acceptability of the work. The Engineer of Record is required to stamp and sign the "Declaration of Engineer of Record" hereon.
35. The Contractor is notified that native soil within the trenching and boring area may contain significant amounts of rock. The Contractor shall be responsible for the removal, breaking, and disposal of any rocks encountered that interfere with the proposed work.
36. Trench compaction testing to be per Section 1.11.08 of the technical Specifications. All related costs are the responsibility of the project owner.