STATEMENT OF WORK

1.01 SUMMARY OF WORK TO BE DONE BY CONTRACTOR

A. Complete previously installed water cistern and furnish and install water service line as shown on the drawing. Work shall include;

1. Topping off tank with pump, pressure tank, and controls,
2. Installing electrical wire and conduit from completed tank to disconnect box on home,
3. Installing water service line from completed tank to home.

1.02 SITE LOCATION

A. 356456 5600 Rd
Jennings, OK 74038
36.202781748, -96.652207001

1.03 CONSTRUCTION SCHEDULE

A. Contact the Construction Inspector three business days before the start of any work.

B. Failure to perform work on the date scheduled will require 24-hour notice to rescheduling the work.

C. Leave all work exposed until inspected and approved. Work not inspected before it is covered will be re-exposed at the Contractor's expense.

1.04 QUALITY ASSURANCE

A. Perform work under the direction of personnel licensed in the state including, but not limited to:
1. Plumbing.

1.05 WARRANTY

A. Provide a minimum one-year warranty for all materials and labor, covering defects in the materials or workmanship.

1.06 CISTERN TANK TOP-OFF

A. Contractor shall furnish and install pump, controls, piping, well house, and pressure tank, to allow the cistern to store and deliver water to the home.

B. Piping between components shall;
1. Be PVC material, and at least 1" PVC.
2. Be compatible with components and water service line.
3. Include a gate valve after pressure tank, and a check valve before pump.
4. Include a 100 psi pressure gauge after pressure tank.

C. Pump shall be;
1. Submersible, 3 wire,
2. Sized to deliver a flow of at least 15 gpm at a head of 20 ft,

3. Or approved equal,

D. Well house shall be:
1. 4 feet minimum in height, width, and length,
2. Constructed of 3/32” thick fiberglass,
3. Accessible from a hinged door,
4. Have 1” of spray, styrofoam, or fiberglass insulation,
5. Anchored to cistern slab by 4 stainless steel bolts.
6. Or approved equal.

E. Pressure tank shall be:
1. Minimum 44 gal in volume,
2. Rated for 40-60 psi,
3. Or approved equal,

F. Controls shall be installed such that;
1. Pump is activated by a pressure switch located just upstream of pressure tank,
2. Pump is controlled by a float such that pump will not activate if water level is below pumping level,
3. A box and breaker shall be included between pressure switch and pump. Breaker shall be designed to trip if associated pump draws excessive current.

G. Electrical wiring shall be;
1. At least 10 AWG, 3 wire, and designed for direct bury.
2. Installed at a minimum depth of 18”,
3. Housed inside PVC conduit at connections to home disconnect and cistern controls, to a minimum depth of 18”.

1.07 WATER SERVICE LINES

A. PEX pipe, roll type, blue in color, pressure rating 160 psi at 73.4ºF.

B. Fittings:
1. Copper tube size (CTS), SDR9, and is compatible with CTS AWWA C800 compression-joint brass valves and fittings using stainless steel inserts at connections.
2. AWWA C904
   a. F1807: Brass or Copper Insert Fittings with Copper Crimp Rings.
   b. F1960: Cold Expansion Fittings with PEX Reinforcing Rings.
   c. F2080: Cold Expansion Fittings with Metal Compression-Sleeves.

C. Install water service lines and appurtenances in the locations, sizes and materials shown on the drawings or staked in the field.

D. Lay one continuous pipe from the cistern to the home. Splices are not allowed unless approved by the inspector in advance.

1.08 TRENCH

A. Depth: Minimum 30 inches.

B. Bottom: Free from stones greater than 1-inch, large dirt clods, any frozen material.

C. Bedding: If the trench bottom is hardpan, rock, or has stones larger than 1-inch in diameter in the largest direction:

a. Over excavate 6 inches.
b. Place 6 inches of mechanically compacted imported bedding
c. Place pipe in trench.
d. Place 6 inches of mechanically compacted river sand over the pipe.

D. Backfill: restore trenches to initial grade.

1.09 TESTING

A. Test cistern pump and controls in presence of inspector prior to completion.

B. Before joints are covered, test pipe for leaks.

C. Visually inspect all connections and fittings for leaks in the presence of the Construction Inspector.

D. Repair all leaks before backfilling and completion.

1.10 CLOSEOUT ACTIVITIES

A. Restore the site as close as is practical to its original condition.

B. Any utility or facility damage is to be corrected in kind by the Contractor.

Caylen J. Willingham -S
Digitally signed by Caylen J. Willingham -S
Date: 2026.03.09 13:51:43 -05'00'