REQUEST FOR PROPOSALS FOR SANDERSON COMMUNITY FIRE STATION
RFP 2023-08

1. **BASE BID ITEM:** CONSTRUCT A FIRE SUPPLY WELL AND PRESSURIZED STORAGE SYSTEM, ALONG WITH A POTABLE TREATMENT SYSTEM (PER ATTACHED DRAWING). WORK SHALL INCLUDE, BUT NOT BE LIMITED TO, THE FOLLOWING ITEMS FOR A COMPLETE AND FULLY FUNCTIONAL WATER SUPPLY SYSTEM:
   a. 250 GPM FIRE AND SUPPLY WELL, WITH AN ESTIMATED 8-INCH DIAMETER CASING, AN ESTIMATED 450–500 FT BORE DEPTH, AND 6-INCH SUBMERSIBLE PUMP.
   b. 4,300-GAL HYDROPNEUMATIC TANK WITH TANK-MOUNTED AIR COMPRESSOR, SADDLES AND CONCRETE FOUNDATION PER MANUFACTURER RECOMMENDATIONS.
   c. FIRE SUPPLY WELL AND STORAGE SYSTEM SHALL MAINTAIN UP TO 100 PSI PRESSURE FOR THE BUILDING FIRE SUPPRESSION SYSTEM. REQUIRED FIRE FLOW = 250 GPM FOR A 2-HR DURATION.
   d. IRON FILTRATION, SOFTENING AND CHLORINATION PACKAGE SYSTEM FOR STATION DOMESTIC NEEDS.
   e. FREEZE PROTECTION FOR CRITICAL COMPONENTS.
   f. SITE PIPING AND APPURTENANCES FOR POTABLE AND FIRE SERVICE TO THE BUILDING, INCLUDING PROVISIONS FOR FILLING TANKER.
   g. ALL PERMITTING SHALL BE PERFORMED BY THE WELL CONTRACTOR.
   h. COORDINATE ALL COMPONENTS AND ACTIVITIES WITH OTHER SITE AND BUILDING CONTRACTORS.

2. **ALTERNATE BID ITEM:** CONSTRUCT A POTABLE WELL, TREATMENT AND SUPPLY SYSTEM, ALONG WITH A NON-PRESSURIZED FIRE STORAGE AND FIRE PUMP SYSTEM (PER ATTACHED DRAWING). WORK SHALL INCLUDE, BUT NOT BE LIMITED TO, THE FOLLOWING ITEMS FOR A COMPLETE AND FULLY FUNCTIONAL WATER SUPPLY SYSTEM:
   a. 40 GPM SUPPLY WELL, WITH AN ESTIMATED 4-INCH DIAMETER CASING, AN ESTIMATED 450’-500’ BORE DEPTH AND 3-INCH SUBMERSIBLE PUMP.
   b. IRON FILTRATION, SOFTENING AND CHLORINATION PACKAGE SYSTEM FOR STATION DOMESTIC NEEDS.
   c. 120-GAL HYDROPNEUMATIC TANK FOR DOMESTIC NEEDS.
   d. 30,000-GAL ABOVEGROUND STORAGE TANK FOR FIRE SUPPLY, WITH GALVANIZED STEEL CONSTRUCTION, ROOF AND CONCRETE FOUNDATION PER MANUFACTURER RECOMMENDATIONS.
   e. PACKAGE FIRE PUMP SYSTEM, WITH 250-GPM HIGH SERVICE PUMP, JOCKEY PUMP AND WEATHER-PROTECTIVE HOUSING.
   f. FREEZE PROTECTION FOR CRITICAL COMPONENTS.
   g. SITE PIPING AND APPURTENANCES FOR POTABLE AND FIRE SERVICE TO THE BUILDING, INCLUDING PROVISIONS FOR FILLING TANKER.
   h. ALL PERMITTING SHALL BE PERFORMED BY THE WELL CONTRACTOR.
   i. COORDINATE ALL COMPONENTS AND ACTIVITIES WITH OTHER SITE AND BUILDING CONTRACTORS.