

**BID SCHEDULE
MIRAGRAND WELL EQUIPING
PROJECT No. 58463**

See Section T01 22 00 UNIT PRICES For Additional Bid Item Details

Item No.	Description	Unit of Measure	Units	Unit Price	Total
1	Furnish all labor, materials and equipment to mobilize; provide bonds and insurance; obtain required permits; take pre-construction photos; prepare project schedule; make submittals/resubmittals; locate and clear underground utilities; install, maintain, and remove temporary fence; provide field office trailer, temporary utilities, and sheds; comply with all General and Supplementary conditions; implement stormwater pollution control best management practices; demobilize; and provide cleanup of the MIRAGRND WELL construction site as required by the Contract Documents.	LS	1S		
2	Furnish all materials, pump and other equipment, supplier representatives onsite and remote assistance, to perform startup and testing of the project new equipment and pumping systems. The startup shall include the new pump, motor control center, remote SCADA connections, instrumentation calibrations, and provide equipment adjustments modifications or additions, including trouble shooting as needed to successfully complete the all required startup and testing as needed. - Work to be paid for under this item shall include the development and the review process for the new pump system and equipment operations and maintenance manuals to be developed and provided by the Contractor. - Work to paid under this item includes the training of TVMWD staff on the new project installed systems and review with staff the Contractor provided O&M manuals. - Work to be paid under this item includes providing a written statement from the pump supplier that the pump installation, startup and testing results meet the supplier's requirements for warranty enforcement as witnessed by their onsite representative.	LS	LS		
3	Furnish all labor, material, and equipment as required to provide the well enclosure building and natural fieldstone cladding on the building, and fencing pilasters as shown in the construction drawings and specifications. This LS item includes costs to develop mock-up variations in style of fieldstone cladding examples for owner selection per the specifications. Furnish, install, and construct all building structural elements, including but not limited to the following items: - Reinforced concrete slab - Masonry walls and fieldstone cladding - Roofing and access hatch - Doors and exterior appurtenances - Interior walls, ceiling - Painting and coatings Submittal for the roof trusses is required from the Contractor within 45 calendar days of the Notice of Award (NOA) from TVMWD.	LS	LS		
4	Furnish and install ventilation and air cooling systems per the project drawings. Costs include duct work, thermostat controls, sound attenuating building intake louvers, and equipment.	LS	LS		
5	Furnish and install asphalt paving, including base and subbase course, site preparation, materials, labor and installation per in the construction drawings and specifications.	LS	LS		
6	Furnish and install natural fieldstone storm swales including subbase course, site preparation, materials, labor and installation per the construction drawings and specifications.	LS	LS		

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7	Furnish and install wrought iron fencing and pilaster supports per the project drawings. Costs include fencing, masonry pilasters , gates, locking mechanisms, painting, electronic gates controls, and conduits and lighting.	LS	LS		
8	Provide excavation, transport, and legal disposal of export of native soil from the project site from construction of the percolation pond and other site improvements. Costs include any permitting or testing requirements for disposal.	LS	LS		
9	Furnish materials and labor and install concrete drives, equipment pads, curbing, and miscellaneous concrete work and grouting where shown in the project drawings.	LS	LS		
10	Furnish all labor, material and equipment as required to construct 6 and 8 inch welded steel piping for the well header discharge, well to well lines, and appurtenances. This LS item also includes material and labor costs to install water main connection using ductile iron piping within the public right-of-way, including permitting, trenching/shoring, bedding and placement and surface restoration of pavement and re-stripping. Well header appurtenances items include but not limited to. the following <ul style="list-style-type: none"> - Motorized gate valves, 6 inch and 8 inch - Swing check valve - Air release valve assembly - Magnetic flow meter - Pipe supports - Sampling taps - Coatings and linings - Other header appurtenances as shown in the plans 	LS	LS		
11	Furnish all material and labor and install 6 and 8 inch welded steel piping for the well discharge and pump to waste piping in the site yard. Costs include the outlet structure and outlet valve assembly as shown in the project plans. Costs include ductile iron piping for water main connections work within the public right-of-way. Costs include trenching/shoring, bedding and placement, and surface and paving restorations.	LS	LS		
12	Furnish all materials, equipment, and labor to install a vertical turbine pump and motor at the site's predeveloped well down-hole per the construction drawings and specifications. Work to be paid for under this item shall include purchase and installation of the pump and motor, connection to discharge header and providing a functional system. Materials and equipment include but not limited to the well head and motor, base plate, base flange, transition structure, concrete pedestal, vent piping, well level transducer, transducer tubing, per the construction drawings, complete. - Submittal for the pump and motor is required from the Contractor within 15 calendar days of the NOA.	LS	LS		
13	Furnish and install the all electrical components, including the new MCC, switchboard, portable generator hookup, instrumentation (flow meters/pressure indicators/analyzers) and all well building electrical per the construction drawings and specifications. - Submittal for the MCC equipment is required from the Contractor within 45 calendar days of the NOA.	LS	LS		

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14	Install SCADA telemetry communications equipment, hardware and software, electrical, and integration of new well process data points to the existing TVMWD SCADA system. Contractor shall coordinate as needed with TVMWD 's SCADA integrator's design and provided PLC.	LS	LS		
15	Furnish and install electrical features in the site yard including building and site power, security, motorized gates, lighting, and future conduits.	LS	LS		
16	Furnish and install miscellaneous electrical required to provide full function to all instruments and features shown in the plans. Electrical power, communications, wiring and conduits shall be provided to enable full function of all systems in the project design documents.	LS	LS		
17	Furnish all materials and labor and perform flushing, pressure testing and disinfection of piping and equipment installed as part of the project work.	LS	LS		
18	Furnish all materials, pump and other equipment supplier representatives onsite as needed, to perform startup and testing of the project new equipment and pumping systems. The startup shall include the new pump, motor control center, remote SCADA connections, instrumentation calibrations, and provide equipment adjustments modifications or additions as needed. - Work to be paid for under this item shall include the development and the review process for the new pump system and equipment operations and maintenance manuals to be developed and provided by the Contractor. - Work to paid under this item includes the training of the TVMWD staff on the new project installed systems and review with staff the Contractor provided O&M manuals. - Work to be paid under this item includes providing a written statement from the pump supplier that the pump installation, and startup and testing results meet the supplier's requirements for warranty enforcement as witnessed by their onsite representative.	LS	LS		
O-1	Bid Option 1 has been set aside for procurement and installation of noise abatement materials as shown in the plans. - This Bid Option may be omitted at the discretion of the District. - This Bid Option line item will not be included in determining the lowest responsive bidder.	LS	LS		
TOTAL BID SCHEDULE (Items 1 through 18 Plus Bid Option O-1)					