

**BID SCHEDULE  
MIRAGRND 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	<p><b><u>Bid Item 01 – Mobilization/Demobilization, Bonds, and Permits</u></b> 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.</p>	LS	1S		
2	<p><b><u>Bid Item 02 — Traffic Control</u></b> Lump sum Bid Item for Contractor costs for equipment, training and personnel to maintain traffic control in areas impacted by the work. Costs include permitting costs, traffic control equipment required by permitting, labor and materials.</p>	LS	LS		
3	<p><b><u>Bid Item 03 – Well House Building w/Fieldstone Cladding</u></b> 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:   <ul style="list-style-type: none"> <li>- Reinforced concrete slab</li> <li>- Masonry walls and fieldstone cladding</li> <li>- Roofing and access hatch</li> <li>- Doors and exterior appurtenances</li> <li>- Interior walls, ceiling</li> <li>- Painting and coatings</li> </ul> <p><b>Submittal for the roof trusses is required from the Contractor within 45 calendar days of the Notice of Award (NOA) from TVMWD.</b></p> </p>	LS	LS		
4	<p><b><u>Bid Item 04 – HVAC (AC and Ventilation)</u></b> 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.</p>	LS	LS		
5	<p><b><u>Bid Item 05 – Asphalt Drive and Paving</u></b> Furnish and install asphalt paving, including base and subbase course, site preparation, materials, labor and installation per in the construction drawings and specifications.</p>	LS	LS		
6	<p><b><u>Bid Item 06 – Fieldstone Storm Swales</u></b> Furnish and install natural fieldstone storm swales including subbase course, site preparation, materials, labor and installation per the construction drawings and specifications.</p>	LS	LS		
7	<p><b><u>Bid Item 07 – Wrought Iron Fencing</u></b> 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.</p>	LS	LS		
8	<p><b><u>Bid Item 08 - Export Native Soil Materials – Percolation Pond Construction</u></b> 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.</p>	LS	LS		
9	<p><b><u>Bid Item 09 – Concrete Access Drives, Pads, and Curbing, and Misc</u></b> Furnish materials and labor and install concrete drives, equipment pads, curbing, and miscellaneous concrete work and grouting where shown in the project drawings.</p>	LS	LS		

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10	<p><b><u>Bid Item 10 – Well Header and Ductile Iron Piping and Appurtenances</u></b> 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</p> <ul style="list-style-type: none"> <li>- Motorized gate valves, 6 inch and 8 inch</li> <li>- Swing check valve</li> <li>- Air release valve assembly</li> <li>- Magnetic flow meter</li> <li>- Pipe supports</li> <li>- Sampling taps</li> <li>- Coatings and linings</li> <li>- Other header appurtenances as shown in the plans</li> </ul>	LS	LS		
11	<p><b><u>Bid Item 11 - Yard Piping, and Pond Outlet Structure</u></b> 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.</p>	LS	LS		
12	<p><b><u>Bid Item 12 – Provide and Install Vertical Turbine Pump and Motor</u></b> 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.</p> <p><b>- Submittal for the pump and motor is required from the Contractor within 15 calendar days of the NOA.</b></p>	LS	LS		
13	<p><b><u>Bid Item 13 – Electrical: MCC &amp; Switchboard, Portable Generator Connection, etc</u></b> 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.</p> <p><b>- Submittal for the MCC equipment is required from the Contractor within 45 calendar days of the NOA.</b></p>	LS	LS		
14	<p><b><u>Bid Item 14 – SCADA and Telemetry</u></b> 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.</p>	LS	LS		
15	<p><b><u>Bid Item 15 – Yard, Electrical and Security, Future Conduits</u></b> Furnish and install electrical features in the site yard including building and site power, security, motorized gates, lighting, and future conduits.</p>	LS	LS		

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16	<b><u>Bid Item 16 – Miscellaneous Electrical Improvements</u></b> 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	<b><u>Bid Item 17 – Pressure Testing and Disinfection of Piping and Equipment</u></b> 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	<b><u>Bid Item 18 – Startup and Testing and Training</u></b> Lump 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 be 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		
<b>TOTAL BID SCHEDULE (Items 1 through 18 )</b>					

**OPTIONAL BID LINE ITEMS**

O-1	<b>Bid Option 1</b> 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		
<b>TOTAL OPTIONAL ITEMS BID (O-1 Only)</b>					