Statement of Work

WATER ACTIVITY NAME: Goodman Point Water District Project Construction

GRANT RECIPIENT – Goodman Point Water District

FUNDING SOURCE:

South West WSRA Basin Account - $20,000
Statewide WSRA Account - $240,000
Total - $260,000

BACKGROUND

The Goodman Point Water Association (GPWA) received a previous WSRA grant of $7,700 from the Southwest Basin Account. This initial WSRA grant funded an environmental report and preliminary engineering report on the extension of domestic water lines from the Montezuma Water Company into the Goodman Point area in unincorporated Montezuma County where residents currently haul water. The reports were necessary to negate damage to environmental and cultural resources, develop preliminary engineering plans, and fulfill USDA Rural Development requirements for grant/loan funding.

The WSRA funds for project construction in this statement of work include an additional $260,000 ($20,000 from the Southwest Basin Account and $240,000 from the Statewide Account). Since additional funding previously promised by the USDA Rural Development Agency was unavailable GPWA created and transitioned to a special water district (Goodman Point Water District or GPWD) to execute a mill levy and bond issue. With the district in place, GPWD is now contracting with the Montezuma Water Company (MWC), who will eventually be the operator and owner of the system. MWC will construct the system at their cost, resulting in a significant price reduction on previous estimates.

The water project consists of installing approximately 11 miles of pipe, constructing a 54,000 gallon storage tank, a pump station to provide water to tank, and telemetry to control the pump and tank. The WSRA funds will be used toward the purchase/installation of the 54,000 gallon tank, pump station, and telemetry equipment.

OBJECTIVE

Provide potable water to the residents of Goodman Point who currently haul water via trucks.

TASK 1 – Pump Station

Description of Task

Construct pump station structure and install pump skid inside of the building, connect pumps to newly constructed mainlines.

Method/Procedure

Secure 99 year lease with the Lewis Arriola Fire District to construct the pump station. Take soil samples taken to insure proper soil for foundation of pump station. Install underground/pump station piping and place concrete for foundation. Frame, side, insulate, paint and install roofing on pump station structure. Connect piping from pumps to mainline. Install chain link security fence around perimeter. Install erosion / weed fabric and place clean gravel within the perimeter of the fence.

Deliverable

Functional pump station constructed per description and documented with photos and a brief letter report.

TASK 2 – Storage Tank #13

Description of Task

Construct 54,000 gallons storage tank, connect piping from tank to newly constructed mainlines.

Method/Procedure

Secure 99 year lease with the Gary Stanley to construct the storage tank. Take soil samples taken to insure proper soil for foundation of tank. Install underground/tank piping and ring for tank. EAI West will construct glass fused/bolted storage tank with aluminum roof with overflow piping. Connect piping from tank to mainline. Install chain link security fence around perimeter. Install erosion / weed fabric and place clean gravel within the perimeter of the fence.

Deliverable

Functional storage tank constructed per description and documented with photos and a brief letter report.

TASK 3 – SCADA

Description of Task

Install a RTU radio at the pump station and at the tank. The radios will communicate with each other to control the filling of the tank.

Method/Procedure

Contract with Timberline Electric to install and configure telemetry between the tank, pump station and the Water Treatment Plant.

Deliverable

Functional SCADA system constructed per description and documented with photos and a brief letter report.

TASK 4 – PIPELINE

Description of Task

Install 5,280 of 4” C900 PVC pipe.

Method/Procedure

ROW will be secured or if in the county ROW necessary permits will be secured. Excavate trench to 4 ft 6”in and install 4” C900 pipe so as at all times the minimum depth to the top of the pipe is 4 ft or deeper. 16 gauge copper locator will be strung and wrapped on pipe for locating the pipe in the future. Pipe will be bedded and backfilled and 18” from the surface a 2” plastic warning tape will be installed.

REPORTING AND FINAL DELIVERABLE

Reporting: The applicant shall provide the CWCB a progress report every 6 months, beginning from the date of the executed contract. The progress report shall describe the completion or partial completion of the tasks identified in the scope of work including a description of any major issues that have occurred and any corrective action taken to address these issues.

Final Deliverable: At completion of the project, the applicant shall provide the CWCB a final report that summarizes the project and documents how the project was completed. This report may contain photographs, summaries of meetings and engineering reports/designs.

BUDGET

Total Costs			
	WSRA Funds	Matching Funds	Total Project Costs
Task 1 - Pump Station			
All American Pump	$26,800		$26,800
Structure, Fence, Piping MWC	$43,000		$43,000
Task 2 - Tank #13			
EAI West	$126,909		$126,909
Site Prep, Piping MWC	$20,008		$20,008
Task 3 – SCADA			
Timberline Electric	$42,000		$42,000
Task 4 – Pipeline			
5,280 4" Mainline	$1,283	$36,148	$37,431
In-Kind Contributions			
Total Costs:	$260,000		$296,148

Cost Detail						
Item:	Labor	Materials	Equipment	Other	Contract Services	Total
1.Tank #13	$4,125	$10,000	$1,783	$4,100.00	$126,909.00	$146,917
				Soils Testing	EAI West (Tank)	
				Equipment Rental		
2. Pump Station	$18,472	$13,965	$6,463	$4,100.00	$26,800	$69,800
				Soils Testing Equipment Rental	All American Pump	
3. SCADA					Timberline Electric	$42,000
4. Pipeline	$9,000	$16,325	$11,800	$306		$37,431
Total						$296,148

SCHEDULE

Task	First 6 Months						Second 6 Months					
	4/10 – 6/10			7/10 – 9/10			10/10 – 12/10			1/10 - 3/10		
Task 1 - Pump Station												
Task 2 - Tank #13												
Task 3 – SCADA												
Task 4 – Pipeline												
Final Reports												

PAYMENT

Payment will be made based on actual expenditures and invoicing by the applicant. Invoices from any other entity (i.e. subcontractors) cannot be processed by the State. The request for payment must include a description of the work accomplished by major task, and estimate of the percent completion for individual tasks and the entire water activity in relation to the percentage of budget spent, identification of any major issues and proposed or implemented corrective actions. The last 5 percent of the entire water activity budget will be withheld until final project/water activity documentation is completed. All products, data and information developed as a result of this grant must be provided to the CWCB in hard copy and electronic format as part of the project documentation. This information will in turn be made widely available to Basin Roundtables and the general public and help promote the development of a common technical platform.

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