

**Exhibit A**  
**Statement of Work**

**WATER ACTIVITY NAME – McClave Water Tank Repair**

**GRANT RECIPIENT – McClave Water Association, Inc.**

**FUNDING SOURCE - WSRA Basin Funds**

**INTRODUCTION AND BACKGROUND**

This project repairs a 50,000-gallon above-ground water tank.

The cement retainer ring around the base of the tank cracked on one side, allowing the soil under that portion of the tank to compact and settle. The soil settlement caused the side of the tank to settle, which snapped the drain line on June 4, 2013. This caused the tank to drain completely, which cannot be used without replacing the foundation. The tank itself has undergone regular maintenance and cleaning during its service, and remains in very good condition.

This tank is one of two 50,000-gallon tanks in which water from 4 supply wells is first blended and stored. Approximately 25 houses receive their water supply directly from these tanks. More importantly, however, these tanks are also the fill/supply for a 150,000-gallon tank that is approximately four miles east, just north of the town of McClave, which supplies the remaining customers with water. The storage this tank provides is crucial to the water system as a whole. The fill/stop controls for both tanks are run by this tank, so in the current situation, the water operator must manually check the remaining tank level to ensure that the tank does not run dry or overflow. Also, without this storage vessel the supply wells and pumps are being continually stressed. The situation is untenable and sustainable only for a very short period of time.

**OBJECTIVES**

The purpose of this project is to restore the use of a 50,000-gallon water tank. A contractor will temporarily relocate the tank, construct a new base, repair the drain line and re-set the tank on its new base.

**DESCRIPTION BY TASK**

**TASK 1 – Engineering Design, Construction Admin, Geotechnical Allowance**

Description of Task

GMS Inc. will provide engineering services, construction administration, and geotechnical services.

Method/Procedure

GMS Inc. will provide final design and construction drawings. Bent County and McClave Water Association will solicit proposals and enter into a construction services contract. GMS Inc. will provide construction administrative services and geotechnical services.

Deliverable

Final Design drawings, bid packet, geotechnical report.

**TASK 2 – 8: Tank Removal, Repairs, Tank Replacement**

Description of Task

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After bid process is complete, selected contractor will provide construction services.

### Method/Procedure

- Remove tank and temporarily displace during foundation construction, including welded pick points for crane.
- Install new tank foundation pad.
- Reconnect to existing yard piping from booster pump.
- Replace tank inlet, outlet and drain piping.
- Move tank onto new foundation.
- Weld pipe penetrations.
- Re-paint welded areas

### Deliverable

Completed improvements.

### **TASKS 10: Construction Observation**

#### Description of Task

GMS Inc. will provide construction observation services.

<b>BUDGET - MCCLAVE WATER TANK REPAIR</b>				
(PRELIMINARY COST ESTIMATE)				
Task #	Task Description	Matching Funds	Grant Funds	Total Expense
1	Engineering Design/Construction Admin/Geotechnical	\$ 7,000	\$ 6,000	\$ 13,000
2	Remove tank temporarily		\$ 3,800	\$ 3,800
3	New tank foundation pad	\$ 7,000	\$ 21,000	\$ 28,000
4	Reconnect to existing yard piping from booster pump		\$ 3,000	\$ 3,000
5	Tank inlet, outlet and drain piping	\$ 7,000	\$ 5,500	\$ 12,500
6	Move tank onto new foundation		\$ 3,000	\$ 3,000
7	Weld pipe penetrations		\$ 2,000	\$ 2,000
8	Paint allowance for coating welded areas		\$ 2,000	\$ 2,000
9	Construction observation		\$ 18,000	\$ 18,000
	<b>Totals:</b>	<b>\$ 21,000</b>	<b>\$ 64,300</b>	<b>\$ 85,300</b>

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TIMELINE - MCCLAVE WATER TANK REPAIR		
Task #	Task Description	
1	Engineering Design/Construction Admin/Geotechnical	NTP + 30
2	Remove tank temporarily	NTP + 30
3	New tank foundation pad	NTP + 60
4	Reconnect to existing yard piping from booster pump	NTP + 60
5	Tank inlet, outlet and drain piping	NTP + 60
6	Move tank onto new foundation	NTP + 60
7	Weld pipe penetrations	NTP + 60
8	Paint allowance for coating welded areas	NTP + 60
9	Construction observation	NTP + 60