Exhibit A-1

Statement of Work

WATER ACTIVITY NAME - **Culebra Watershed,**
Vallejos Ditch Headgate Replacement

GRANT RECIPIENT – **The Sangre de Cristo Acequia Association**

FUNDING SOURCE – **Water Supply Reserve Account**
Rio Grande Basin $10,000
Statewide fund $90,000

INTRODUCTION AND BACKGROUND

Provide a brief description of the project. (Please limit to **no more than 200 words**; this will be used to inform reviewers and the public about your proposal).

This water activity will replace the existing diversion structure on Vallejos Creek in the Culebra Watershed of the Rio Grande Basin. Built around 1965, the headgate has surpassed its effective service life. The concrete structure has deteriorated, with the walls cracked and crumbling. In high flows the headgate fails to divert excess water, causing flooding of the neighboring residential areas. The crumbled structure leaks and the water gates are almost inoperable. The Natural Resources Conservation Service (NRCS) has determined that this headgate is beyond repair and must be replaced. Division 3 Engineer has approved the NRCS preliminary proposed structural alternative, which would pull water from both the North and South, thus eliminating higher construction costs, reducing maintenance, and greatly reducing or eliminating the threat of flood.

OBJECTIVES

List the objectives of the project

1. Replace the deteriorated Vallejos Ditch Headgate with a new structure
2. Allow irrigators to obtain their decreed irrigation water when in priority
3. Improve downstream water quality
4. Significantly reduce risk of flood
5. Eliminate or greatly reduce maintenance problems
6. Upgrade water control efficiency for the Vallejos Ditch
7. Set an example for future SCAA implementation projects which combine WSRA funding and NRCS technical support for projects in the Culebra Watershed

TASKS

TASK 1 Mobilization, Demobilization

Description of Task: This task includes all costs to mobilize equipment, tools, safety and sanitary equipment, and consumable supplies to the site. At the end of the project all Contractor owned equipment, tools, safety and sanitary equipment, and supplies will be removed from the site.

Method/Procedure: As stated above

Deliverables: All equipment and supplies required to conduct the work set forth in the contract will be available to the worksite.

TASK 2 Demolish Existing Headgate

Description of Task: This task will include all work required to demolish and remove the current headgate structure.

Method/Procedure: Trackhoe jack hammer with some torch cutting. Haul debris with dump trucks to approved disposal location.

Deliverables: The removal of the former headgate and diversion structure.

TASK 3 De-Watering

Description of Task: Remove all water from work site, diverting Vallejos Creek if necessary.

Method/Procedure: Isolate work area and remove water from work area with pump. Depending on the season, on conditions, and on consent of water users, it may be possible to divert water upstream from the site. Continue to pump seepage out of the work site for the duration of the project as needed.

Deliverables: The work area is sufficiently dry to perform the work.

TASK 4 Earth Work

Description of Task: Prepare the site to construct the diversion structure.

Method/Procedure: Deliver soils and gravels to work site, per NRCS specifications. Re-route the creek as needed to have a clean and dry work site. Shape banks to accommodate new structure. At end of project, re-

shape creek to final configuration of the new structure. Reseed per NRCS specs.

Deliverables: Natural shape of creek restored to ensure stability of new structure, seeded with native vegetation, meeting specifications of NRCS engineers and regulatory authorities.

TASK 5a Forms

Description of Task: Set concrete forms for new diversion structure.

Method/Procedure: Set concrete forms and re-bar reinforcement per structural design and in compliance with NRCS specifications.

Deliverables: Completed form, ready for pour, in accordance with structural design and in compliance with NRCS specifications.

TASK 5b Concrete

Description of Task: Pour concrete; remove forms; seal and finish off new concrete structure.

Method/Procedure: Utilize concrete trucks to deliver and to pour concrete in compliance with NRCS specifications. Remove forms. Repair any blemishes remaining from pour. Seal concrete with NRCS-approved sealant.

Deliverables: Concrete structure is complete, ready for installation of gates.

TASK 6 Gate & Rails

Task Description: Install 2 sluice gates and 2 turnout gates, and install catwalk rails.

Method/Procedure: Purchase and install hardware into concrete structure according to manufacturer's guidelines and in compliance with all NRCS and regulatory requirements.

Deliverables: Greatly improved control of irrigation releases; protective rails on catwalk reduce risk of accident or injury.

TASK 7 Reporting and Final Deliverable

Description of Task: Report at completion of project.

Method/Procedure: SCAA submits final report, describing the completion (or partial completion) of the tasks identified in the statement of work, including any major issues that have occurred and any corrective action taken to address these issues.

Deliverables: SCAA shall provide CWCB a final report summarizing the project and documenting how the project was completed. The report may contain photographs, summaries of meetings and engineering reports and designs.

Exhibit A-2
BUDGET

Provide a detailed budget by task including number of hours and rates for labor and unit costs for other direct costs (i.e. mileage, $/unit of material for construction, etc.). A detailed and perfectly balanced budget that shows all costs is required for the State's contracting and purchase order processes. Sample budget tables are provided below. Please note that these budget tables are examples and will need to be adapted to fit each individual application. Tasks should correspond to the tasks described above.

(next page)

TASK NO.	TASK DESCRIPTION	Units	Cost	Labor	SUBTOTAL	WSRA GRANT	MATCHING FUNDS	TOTAL PROJECT
1	Mobilize - Demobilize				$ 417			
2	Demolition & Removal				$ 15,000			
3	Dewatering				$ 2,000			
4	Earthwork				$ 5,000			
5a	Forms							
5b	Concrete - yards (including labor)	60	$ 1,100		$ 66,000			
6a	Gates	4	$ 953		$ 3,811			
6b	Hand rails & bar grating (including labor)	1	$ 2,672		$ 2,672			
7a	Bookkeeper Contract - 3 months	3		300	$ 900			
7b	Administration Contract - 3 months	3		1400	$ 4,200			
7c	Final Report				nc			
	WSRA GRANT REQUEST (rounded to dollar)					**$ 100,000**		**$ 100,000**
	NRCS - Matching - Technical Assistance							
	Lead Conservationist	40	$ 65	$ 2,600	2600			
	Planner	40	$ 30	$ 1,200	1200			
	Engineering	40	$ 65	$ 2,600	2600			
	Technician	140	$ 30	$ 4,200	4200			
	TOTAL NRCS Match						**$ 10,600**	**$ 10,600**
	Costilla Conservancy Dist. Landowner Research	2	$ 1,200		$ 2,400			
	SCAA - Landowner Coordination	24	$ 50		$ 1,200			
	Vallejos Ditch - Direct Project Oversight	30	$ 20		$ 600			
	Vallejos Ditch - Truck & Site Assistance	1	$ 1,300		$ 1,300			
	TOTAL APPLICANT MATCH						**$ 5,500**	**$ 5,500**
	TOTALS					**$ 100,000**	**$ 16,100**	**$ 116,100**

Exhibit A-3

SCHEDULE

Provide a project schedule including key milestones for each task and the completion dates or time period from the Notice to Proceed (NTP). This dating method allows flexibility in the event of potential delays from the procurement process. Sample schedules are provided below. Please note that these schedules are examples and will need to be adapted to fit each individual application.

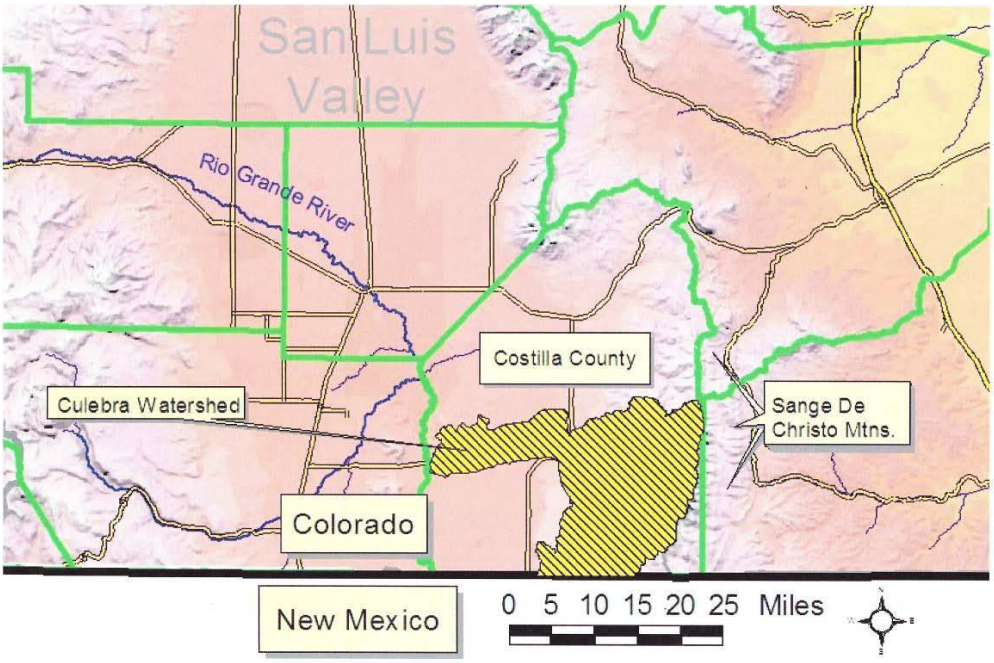
Project Completion – Less than Three Months

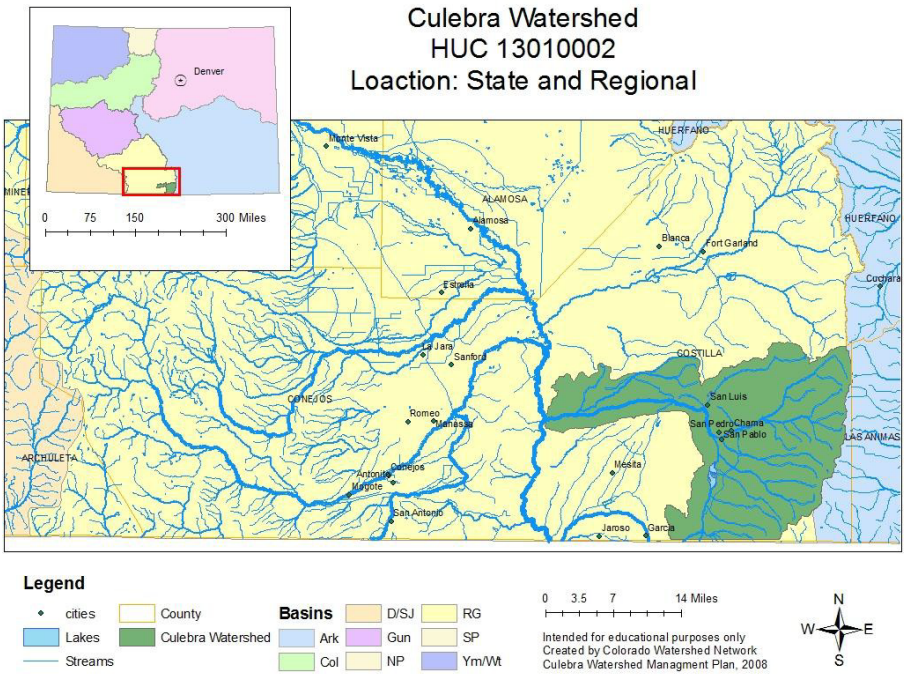
Task	1st 6 Weeks						2nd 6 Weeks					
#1 Mobilize/Demobilize												
#2 Demolish												
#3 Dewater												
#4 Earth work												
#5 Forms & Concrete												
#6 Gates & Rails												
#7 Final Report												

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.

Exhibit B – Project Maps





Culebra Watershed
NWI Wetlands

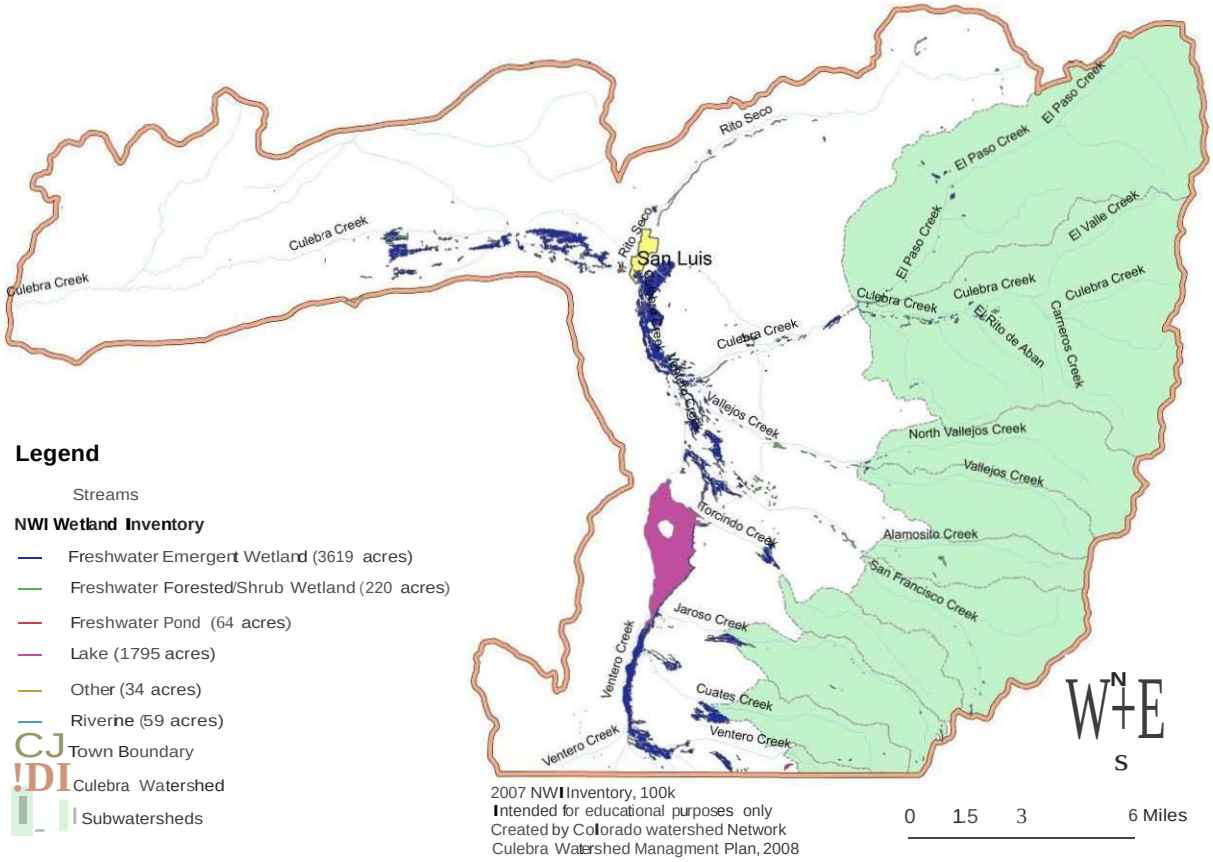


Exhibit C-1
Photoaraphs