



Webb County Coronavirus State & Local Fiscal Recovery Funds (CSLRF)

Colorado Acres Microfiltration System &
Installation along With Well Upgrades.

Webb County (OSSF) & Electrical
Assistance Program



BRIGHTON GROUP
2805 FOUNDATION PLAZA, BLVD. SUITE 6A, EDINBURG, TX 78541

November 14, 2022

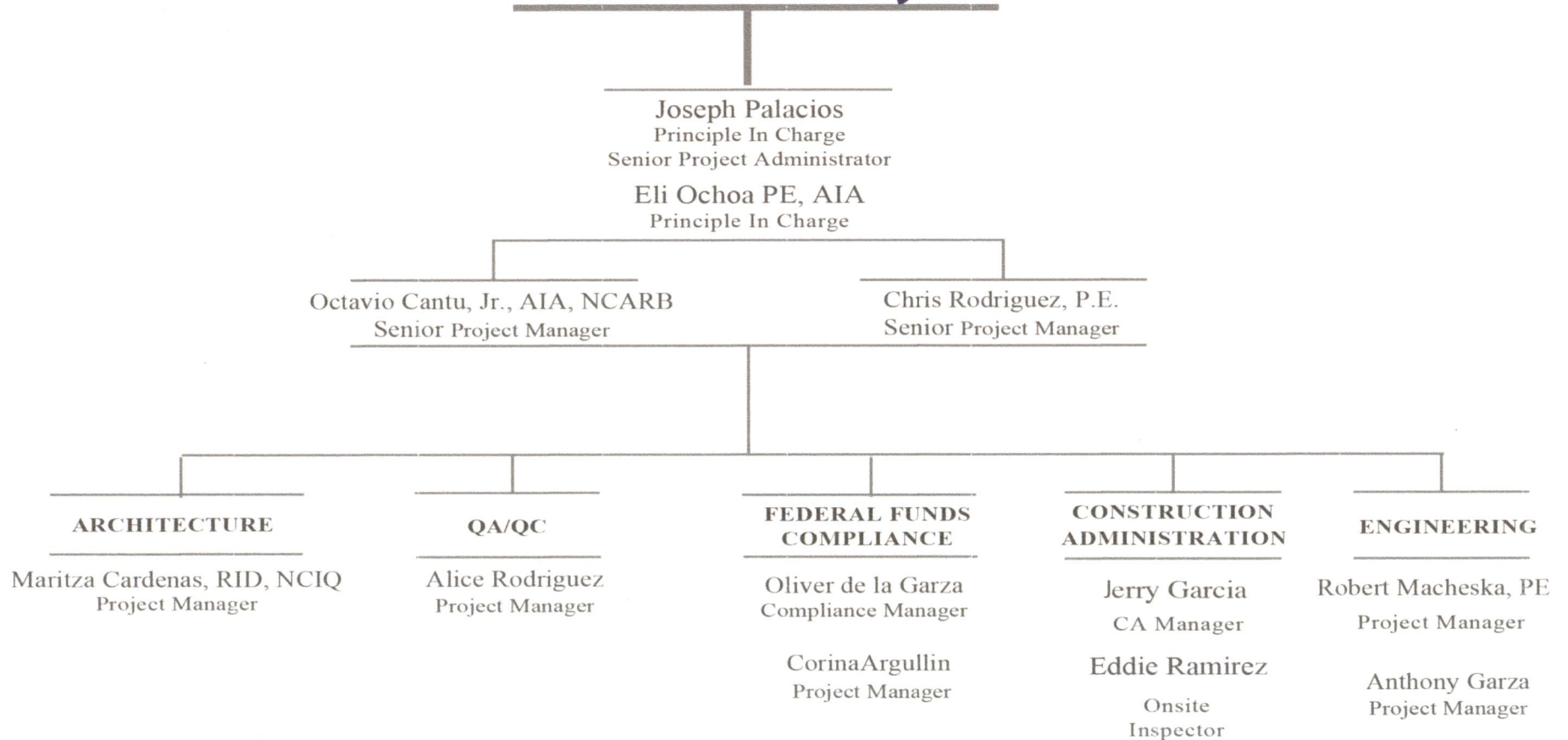
Webb County CSLRF Program

Project Team

BRIGHTON GROUP TEAM ORGANIZATIONAL CHART



Webb County



Webb County CSLRF Program

Completed & Ongoing Milestones

	<u>Date</u>	<u>Status</u>
1. Executed Contract with NTP	Sept. 12, 2022	Completed
2. Take off Meetings	Sept. 13-16, 2022	Completed
3. Collection of Data and Information for Webb County CSLRF Program	Sept. 12-28, 2022	Completed
4. Review & Analysis of all Data & Information on Webb County CSLRF Program	Sept. 28 - Oct. 18	Ongoing
5. US Treasury Registration & Administrative Duties Reporting (Quarterly & Annual)	3 rd Qtr. Reporting Submitted Oct. 26, 2022	Completed

Webb County CSLRF Program

Completed & Ongoing Milestones

	<u>Date</u>	<u>Status</u>
6. Additional Project Specific Meetings	Sept. 2022	Completed
Water-Waste Water Master Plan - Project Takeoff	Oct. 2022	Completed
County Staff (Executive, Legal, County Engineer, Economic Development, Purchasing, Planning, Utilities & Finance.	Nov. 2022	Ongoing
7. Project Site Visits & Intakes	Sept. 2022	Completed
	Oct. 2022	Completed
	Nov. 2022	Ongoing
8. Assisting with Procurement Phase Services	Oct. 2022	Completed
	Nov. 2022	Ongoing
9. Scheduled Bi-Weekly Update Meetings	Finalizing	
Scheduled Monthly Status Report for Court	Upcoming Dates	

Webb County CSLRF Program

Status Spreadsheet

Webb County ARPA NGO Project List

ARPA NGO Project #	Sub-Recipient Name	Project Name/Description	Awarded Amount	Eligible Cat.	Eligible Sub Cat.	Expenditures to Date	Annual Compliance Reporting	Quarter Compliance Reporting	Status of Compliance Reporting	Current Status as of 11/08/2022
0001	Casa De Misericordia	<u>Covid-19 Prevention in Shelter Program</u> The project will help casa de Misericordia prevent the spread of COVID-19 in the shelter by supporting expenses related to the implementation of safety and health protocols including social distancing.	\$186,000.00	Public Health	Prevention in Congregate Settings	\$0.00	Completed July 2022	Completed October 2022	Completed	Casa de Misericordia is currently in the process of signing an agreement with hotel vendor.
0002	Sacred Heart Children's Home	<u>Sacred Heart Children's Home Boys' and Teenagers' Cottage Sewer Lines Renovation Plus</u> The project will help casa de Misericordia prevent the spread of COVID-19 in the shelter by supporting expenses related to the implementation of safety and health protocols including social distancing.	\$200,000.00	Infrastructure	Clean Water: Other Sewer Infrastructure	\$0.00	Completed July 2022	Completed October 2022	Completed	Environmental Assessment has been completed. Sacred Heart is currently working with Chavarria Plumbing to inspect sewer line.
0003	Laredo Housing Development Corp.	<u>The Balcones Transitional Housing Apartments</u> Transitional Supportive Housing for homeless individuals, families and college students.	\$200,000.00	Services to Disproportionately Impacted	Housing Support: Other Housing Assistance	\$0	Completed July 2022	Completed October 2022	Completed	A case manager was hired in October of 2022.
0004	Ruthe B. Cowl	<u>Body Weight Vector Rail & Trolley Harness Physical Therapy Support System to Assist COVID-19 Recovering Patients</u> The proposal requests funding to acquire an over ground body weight support system (BWS). An over ground BWS training system will allow the clients of the Center the opportunity to access the most recently developed, most recommended, and most technologically advanced treatment for those suffering gait and balance impairment or incapacities due to injury, illness, or disease such as COVID-19.	\$200,000.00	Public Health	Capital Investments or Physical Plant Changes to Public	\$200,000.00	Completed July 2022	Completed October 2022	Completed	Bioness Vector machine has been purchased and machinery is being shipped to Ruthe B. Cowl.
0005	Habitat for Humanity	<u>Homes for Hope</u> Building new affordable housing options. A minimum of three homes would be built to assist a minimum of 12 individuals, depending on size(s) of eligible families.	\$200,000.00		Facilities that respond to COVID-19 public health emergency	\$0.00	Completed July 2022	Completed October 2022	Completed	Habitat for Humanity is in the proces of acquiring land/property to build the two homes. Two families have been identified to receive assistance.
0006	Texas A&M University - Colonias Program	<u>Health Applications and Emergency Preparedness</u> The potential project will prepare residents of Webb County in gaining education as well as health applications through training in emergency preparedness skills.	\$200,000.00	Services to Disproportionately Impacted Communities	Housing Support: Affordable Housing	\$0.00	Completed July 2022	Completed October 2022	Completed	Webb County rescinded the NGO Award to Texas A&M University as per their request.

Webb County CSLRF Program

ARPA - 0007

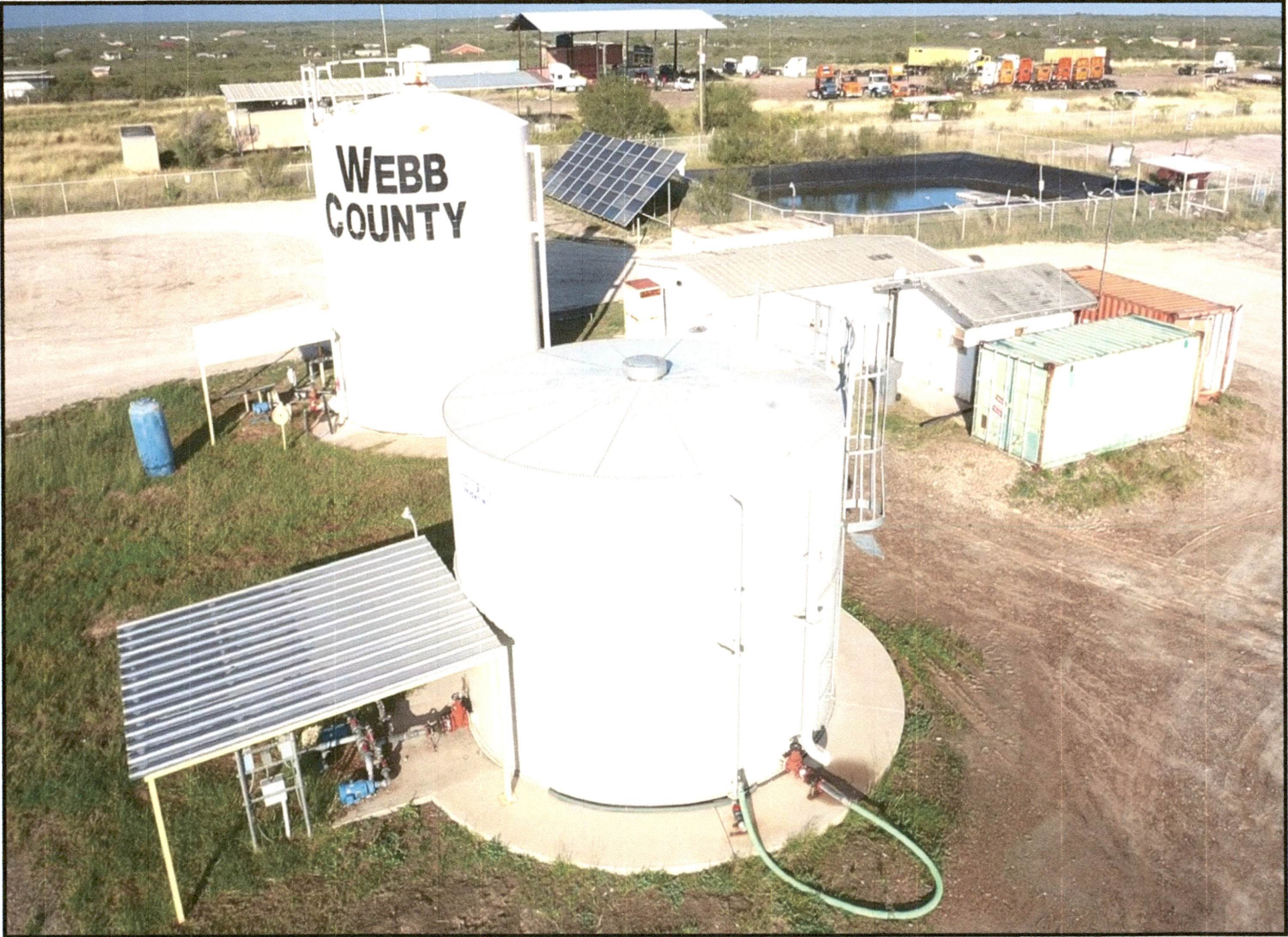


Project Overview:

This project proposes the construction phase of purchasing and installing a microfiltration system in order to remove sulfur and solid contaminants from an existing water well. The project requires that the entire existing well and filtration system to be refurbished and brought to working order. Colonia Colorado Acres is located at Highway 59 approx. 21 miles from the City of Laredo. Project benefits include cost savings to Webb County by eliminating or minimizing the need to haul potable water to the Colonia Colorado Acres Water Tanks. Webb County will be able to provide potable water from the on-site well and filtration system to the residents of the eighteen (18) colonias in its service area.

ARPA-0007	Colorado Acres Micro Filtration System	Installation of a microfiltration system and upgrades to water well	1,750,000.00	5.10 Drinking Water: Treatment
-----------	--	---	--------------	--------------------------------







NORRISLEAL ENGINEERING WATER

Firm Registration No. F-14803

12400 W. Hwy 71
Austin, TX 78783
512.473.8288

1222 E. Tyler Ave
Harlingen, TX 78550
956.423.7409

Work Order For Colorado Acres

NORRISLEAL, LLC.

NorrisLeal, LLC is providing herein a description of the anticipated tasks, schedule, and budget (collectively, the Scope of Work) associated with performing engineering and hydrogeologic services for Webb County. Specifically, this Scope of Work pertains to performance of aquifer testing at an existing well approximately 16 miles east of Laredo in Webb County, Texas and Treatment Alternatives for this existing Brackish Groundwater Well. Within this document, the term "Client" refers to Webb County.

General tasks to be performed by NorrisLeal include:

- 1) **Testing Program Management and Field Observation** – Manage testing program and provide on-site observation of the video survey and testing of the existing well.
- 2) **Groundwater Modeling** – Conduct groundwater flow modeling using hydrogeologic data compiled during previous tasks. Estimate regional and local-scale aquifer responses to groundwater production.
- 3) **Groundwater Treatment Alternatives** – Evaluate Process Alternatives for treatment of existing Brackish Well.
- 4) **Reporting and Presentation** – Prepare a report detailing the evaluation methods and results with discussions of all pertinent issues affecting the project.

The following sections provide detailed descriptions of the work to be conducted:

TASK 1 – WELL EVALUATION AND TESTING

NorrisLeal will manage and administer the testing program. NorrisLeal will coordinate field work with the well/pump installer contractor, hydrogeologist and observe field operations to help assure that the methods and materials used by the contractor conform to the technical specifications. NorrisLeal will provide experienced field personnel to be onsite throughout field operations to ensure that the information obtained during the evaluation and testing program is useful and appropriate for this project.

The general tasks to be detailed in the work plan and performed by the well/pump installer contractor include:

1. Removal of existing pumping equipment from well.
2. Performance of a video survey (with Hydrogeologist oversight) to document the integrity of the casing and the depth of the well production interval(s).
3. Set temporary test pumping equipment with two 1.25-inch PVC pipes (one if annular space is not adequate) strapped to the pump column pipe for use as water level measuring tubes.
4. Set surface discharge assembly with suitable valves, sampling port, flow measuring device (flow meter or orifice/manometer) and discharge piping to move water away from the well site toward an existing drainage or storage tank (as applicable).
5. Set transducer/datalogger and e-line measuring tape in each PVC tube and perform an initial one (1) hour test to verify that the equipment is functioning properly and to determine the optimal well flow rate for testing.
6. Perform a 24-hour aquifer test followed by an 8-hour non-pumping aquifer recovery interval. NorrisLeal Hydrogeologist will oversee the testing procedures and will be on site during test startup and recovery. Well contractor will provide 24-hour onsite monitoring and adjustment of the well production rate and will send ongoing test data to NorrisLeal Hydrogeologist.
7. Removal of test pumping equipment and reinstallation of permanent pumping equipment, if needed, and return to its original operational state.

NorrisLeal Hydrogeologist will analyze information obtained during the testing program and evaluate the well's performance. Using these data and the well's condition will generate estimates of the hydraulic parameters of the aquifer, potential groundwater availability, and long-term pumping levels. NorrisLeal will collect a groundwater sample toward the end of the test and send to a laboratory of the Client's choosing. Client will be responsible for providing the sampling kit, pre-paid shipping, and pay all laboratory services and testing of the collected samples.

TASK 2 – GROUNDWATER MODELING

NorrisLeal Hydrogeologist typically employs a variety of groundwater modeling techniques to evaluate the availability of groundwater and potential impacts associated with hydrogeologic conditions/stresses including nearby and regional

Webb County CSLRF Program

pumping, drought, hydraulic boundaries, and variations in the distribution and type of aquifer sediments. Using the information compiled during the initial work and previous tasks outlined herein, NorrisLeal will generate estimates of the structure and hydraulic characteristics of the aquifer in the study area. Groundwater flow modeling using proprietary CAD-based software will be used to estimate long-term potential well production rates, wellbore pumping levels, well, and long-term groundwater availability from the property. NorrisLeal will conduct evaluations of the current conditions of the existing well and will utilize the results of modeling to estimate the maximum capacity of the well.

TASK 3 – WATER QUALITY EVALUATION AND TREATMENT ALTERNATIVES

NorrisLeal will evaluate the existing well groundwater quality and treatment alternatives to lower high Total Dissolved Solids and eliminate Hydrogen Sulfide. NorrisLeal will perform the following activities:

1. Assist Webb County in obtaining water quality data from the existing well
2. Review and evaluate the water quality data obtained by Webb County
3. Develop alternatives for treatment of TDS and Hydrogen Sulfide contained in the groundwater
4. For selected alternative, develop capital and operations estimates
5. For selected alternative, evaluate implementation scenarios
6. Evaluate the requirements for piloting, if any, for the recommended alternative
7. Develop an engineering estimate of costs and schedule for implementation that would include piloting (if any required), permitting, engineering, construction and operations.

TASK 4 – REPORTING AND PRESENTATION OF FINDINGS

NorrisLeal will prepare a technical report summarizing the results of the well evaluation and groundwater treatment alternatives.

BUDGET AND PROJECT SCHEDULE

NorrisLeal proposes to complete this study as outlined above for a lump sum of **\$95,000**. Draft Conceptual Report will be completed within forty-five (45) calendar days after receipt of well water quality data received from Webb County Water Department. Costs associated with surveying, and laboratory services are not included.

NORRISLEAL Proposal Phase I

The estimated scheduling of the field work efforts to evaluate the existing well as described above is shown below. The schedule provides the expected time to complete the work by task. Please note that the schedule is based on typical engineering and well/pump installer contractor completion times.

Day 1 – Removal of Pumping Equipment and Video Survey

- a. Mobilize service rig.
- b. Pull existing pump/motor and column, lay out at site.

Day 2 – Install Test Pump and Perform 1-Hour Pre-test

- a. Perform video survey.
- b. Install test pump with 1.25" PCV measuring tube strapped to column pipe, along with the surface well head and discharge setup.
- c. Performance of the 1-hour preliminary discharge rate test to verify all equipment is working properly.
- d. Allow recovery overnight.

Day 3 – Start 24-Hour Test

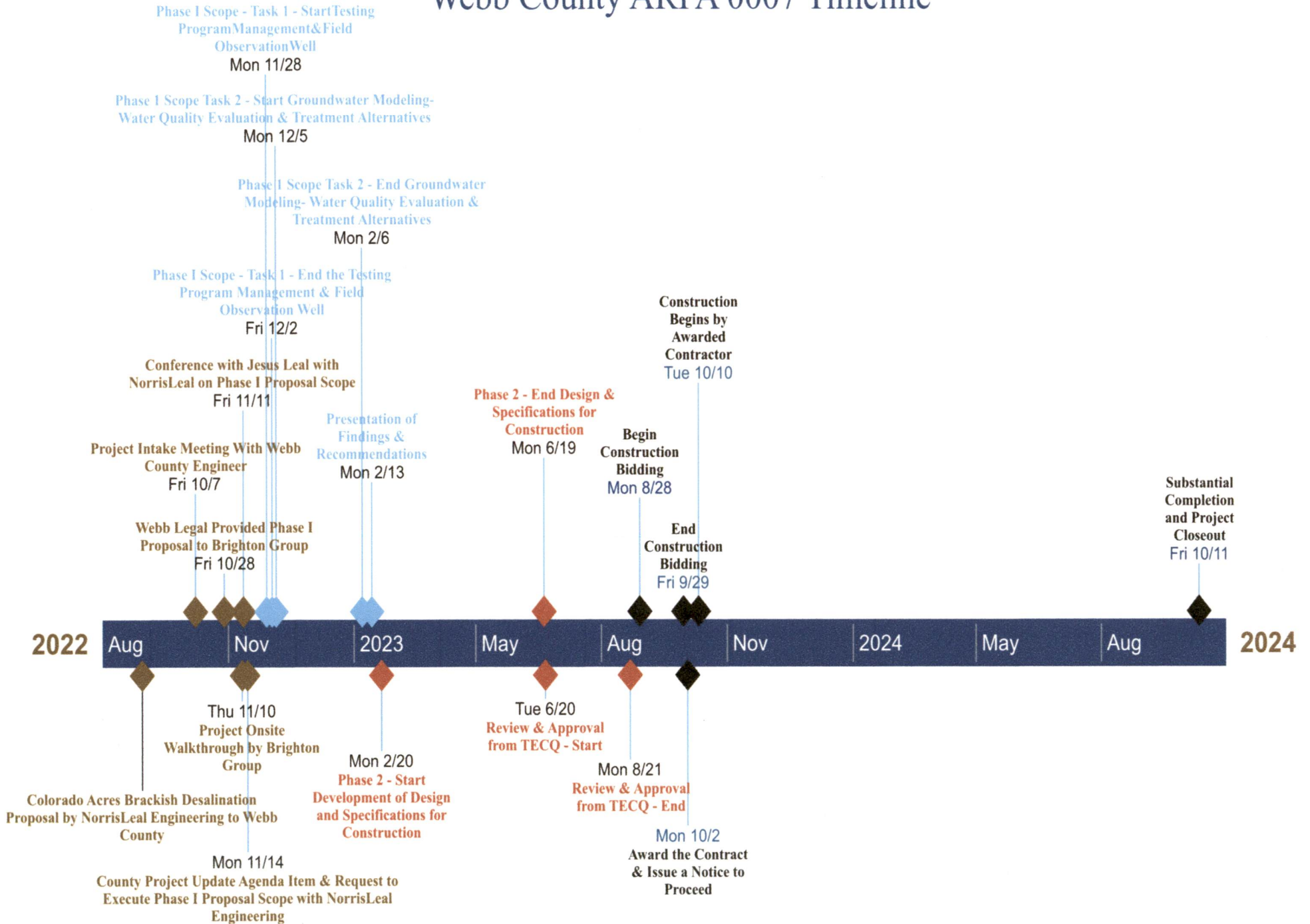
- a. NorrisLeal Hydrogeologist will assist with the start of the 24-hour test.

Day 4 – End 24 Hour Test and Start 8 Hour Recovery; Site Restoration

- a. NorrisLeal Hydrogeologist will assist with the ending of the 24-hour test/beginning of 8-hour recovery. Disinfect and restore existing pump.

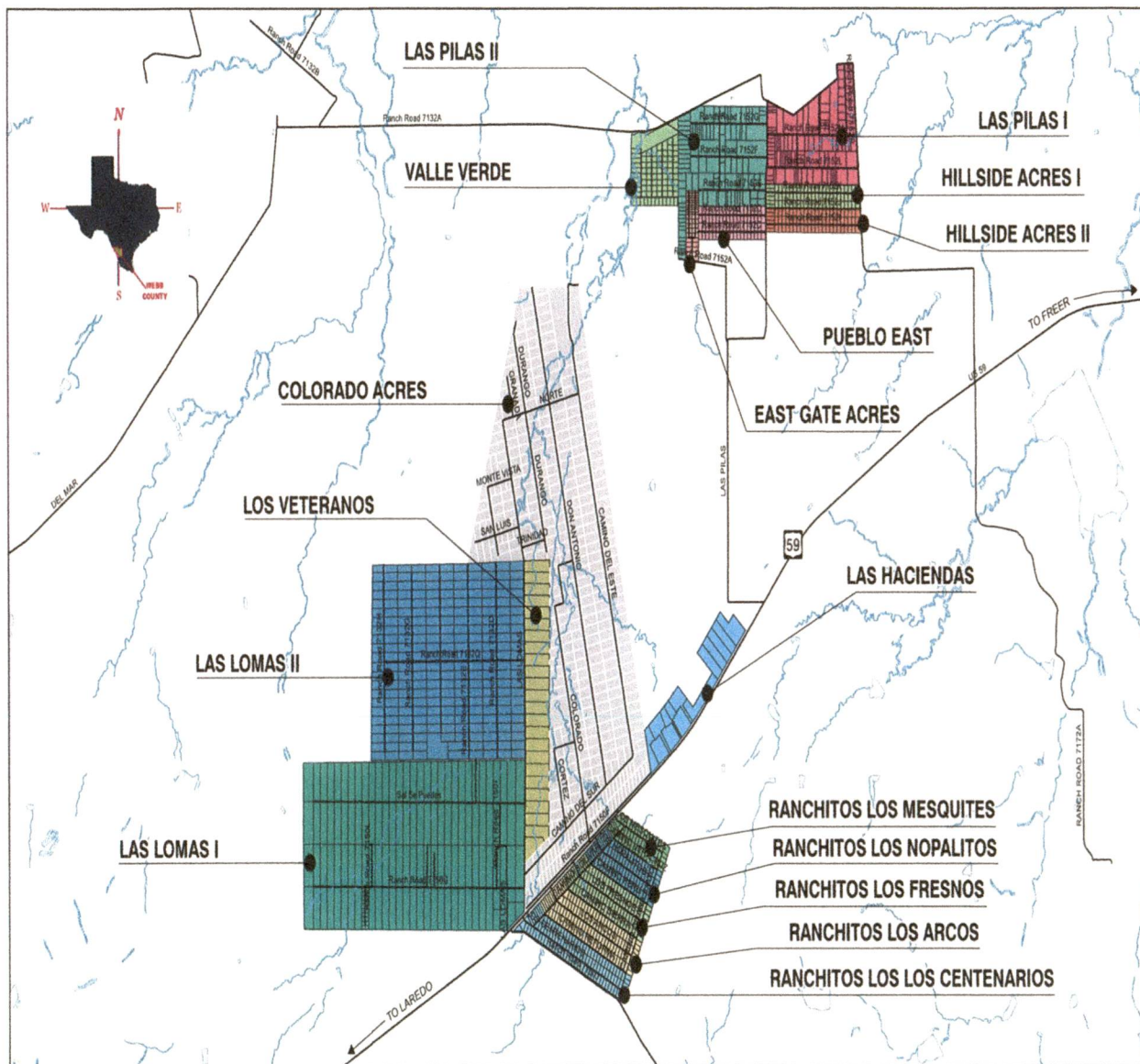
Phase I projected to be w/I 60 days

Webb County ARPA 0007 Timeline



Webb County CSLRF Program

ARPA - 0006



Project Overview:

All colonias located adjacent to Hwy 59 lack potable water and sewer infrastructure. Furthermore, a number of these homes do not have electrical connections. This is not only an inconvenience for the residents but is a major public health issue. Most colonias do not have access to a conventional sewer system and have to rely on septic tanks, pit privies (Outhouse), and cesspools. Additionally, drainage in these areas is likely to be poor and if septic systems overflow, these colonias were not developed with proper infrastructure and were sold without electricity, water and sewer. This project will provide qualified households with septic systems and/or electrical hookups to residents of colonias adjacent to Highway 59. Residents that live within the floodplain will not be eligible for assistance.

WEBB COUNTY, TEXAS

US HIGHWAY 59

<p>ARPA -0006</p>	<p>Septic Systems and Electrical Hook Ups</p>	<p>Installation of septic systems and electrical hookups in homes that are not in the floodplain</p>	<p>\$1,000,000.00</p>	<p>5.5 Clean Water: Other Sewer Infrastructure</p>
-----------------------	---	--	-----------------------	--







Webb County OSSF and Electrical Guidelines

Applies to First Time On-Site Sewer Facilities (OSSF), Replacement of OSSF or Electrical Connections

Guidelines for On-Site Sewage Facilities and Electrical Assistance Program

I. INTRODUCTION

Webb County has received federal funds under the US Treasury American Rescue Plan Act (ARPA) State and Local Fiscal Recovery Funds (SLFRF) and has allocated a portion of these funds to this program in order to assist residence with On-Site Sewage Facilities (OSSF) and electrical assistance to low- and moderate-income eligible applicants who reside in colonias located along Highway 59 of the County.

The primary objective of the County's OSSF and Electrical Assistance Program is to provide adequate, safe, and sanitary sewer services for LMI residents through the installation of approved residential OSSFs for single family, owner-occupied dwellings in compliance with rules of the Texas Commission for Environmental Quality (TCEQ).

This Program is also providing electrical connections to LMI residents. In these guidelines, "County" refers to officers or employees of Webb County assigned to work with the Program. Any action by the County that requires Commissioners' Court approval is specifically noted; otherwise any action may be carried out by the appropriate officers or employees. "Grant Manager" refers to the general administration firm hired by the County to assist with the implementation of the Program.

Webb County's OSSF and Electrical Assistance Program will be appropriating a total \$1,000,000 of Federal CSLRF funds to help applicants that qualify for this program and meets all the necessary requirements and that live in the designated colonias located along Highway 59 in Webb County, TX. Webb County will only be assisting one household per property. No households located in the flood plain will receive assistance. All applicants seeking electrical assistance must have property platted. (See Attached Map)

Program Budget:

On-Site Sewer Facilities (OSSF) per home: **Up to \$20,000.00**

Electrical Connection Installations per home: **Up to \$20,000.00**

Applicant will be responsible to submit and comply with the following application requirements and pay for the associated fees as indicated below:

1. Floodplain Determination Application

Application fee (Money order or cashier's check)

Complete application form and fee - \$30.00 per structure

\$100.00 for each non-residential request

Copy of proof of ownership (deed or any conveyance instrument)

Property owner's ID

*Planning Department will schedule an on-site inspection with property owner and issue an E-911 address if necessary, a Floodplain Exemption Certificate and a Development Compliance Notice (DCN) outlining property specific requirements for issues below.

1. Finalize Draft Program Guidelines, Applications and Procedures for the following review and comments:
 - (a.) Planning
 - (b.) Purchasing
 - (c.) Economic Development
 - (c.) Executive
 - (d.) Legal Council
2. Present Final Program Guidelines, Applications and Procedures to Commissioners Court for approval.
3. Set up public advertisement and public outreach to assist residence through the application process.
4. Provide Project-Construction Administration for all approved projects
5. Provide all compliance reporting through quarterly and annual periods to the US Treasury with all required information.



Q & A



BRIGHTON GROUP
2805 FOUNTAIN PLAZA BLVD, SUITE #A, EDINBURG, TX 78539