

Scope of Work
Water Treatment Plant Improvements
San Joaquin Valley National Cemetery
32053 West McCabe Road
Santa Nella, CA 95322

1. GENERAL SCOPE OF WORK:

Work includes all materials, equipment, labor and supervision to make improvements to the existing water treatment plant at building 3001C at the San Joaquin Valley National Cemetery, located in Santa Nella, CA. The existing system consists of chlorine injection, a water filtration tank, contact loop, 10,000 storage tank and 3,000 gal pressurization tank. This water treatment system serves all of the cemetery's potable water needs. Work will be scheduled around the cemetery's water use needs. If water cannot be maintained, temporary hand washing facilities will be provided. All work to be done by a licensed water treatment contractor, with a complete and thorough understanding on the operations of a small water treatment plant, with at least five (5) years' experience in water treatment operation, maintenance and testing. Work to include the following.

- a. Install one (1) HACH CL 17 (or equal) Chlorine Analyzer with time delays installed of horn on outside of building and auto shut down of the water treatment system.
- b. Install two (2) HACH 1720E (or equal) low range turbidity meters. One for raw water, one for filter water, both with time delays installed of horn on outside of building and auto shut down of the water treatment system.
- c. Install one (1) low flow horn alarm for outside building.
- d. Install three (3) Honeywell DR 4300 (or equal) chart recorders for chlorine, raw turbidity and filter turbidity.
- e. Empty, clean, spot repair as necessary to remove rust and prime/paint (food grade) interior of filter tank and install 40 cubic feet of new media (sand & anthracite gravel).
- f. Install one (1) Monarch Ace (or equal) booster pump, 1-HP, single phase with new breaker box, pump stand, check valve.
- g. 110 Volt Automatic Air Compressor for Pressure Tank, Dual Voltage, Model Number 610HP.
- h. Clean 10,000 gallon Storage tank and install aeration system. Aeration system to include one (1) 115v CFM 1059 Root Vent 35 speed, manifold water inlet for contact of water inlet to outlet, spray manifold for recirculation, one (1) 1-½ flow meter.
- i. Clean and sanitize all work before placing back in operation as required by Federal, State and Local authorities.

Prior to submission of any bid, the Contractor shall perform a thorough field survey of the existing site conditions and features. Verify at project site the exact size, clearances of all existing services being relocated, extended, connected to or removed. Any site conditions which may cause significant deviation from the site plan shall be brought to the attention of the Contracting Officer or his/her Representative (COR) for clarification prior to submission of the bid. Verify dimensions of all owner furnished and installed equipment to insure proper coordination with construction. Contractor shall bear all costs for relocation of existing utilities necessary to perform work under this contract.

Completion Time: Sixty (60) calendar days from date of issuance of Notice to Proceed (NTP).

Construct in accordance with the VA Construction requirements, Federal, State and Local Codes requirements.

All materials shall be new. If an equal is being submitted, prior to installation, Contractor shall submit for approval the manufacturer's literature and specifications for approval.

Site work will be accomplished between the hours of 8:00 and 4:30, Monday through Friday, except Federal Holidays.

Coordination of Construction with Cemetery Director: The burial activities at a National Cemetery shall take precedence over construction activities. The Contractor must cooperate and coordinate with the Cemetery Director, through the COR, in arranging construction schedule to cause the least possible interference with cemetery activities in actual burial areas. Construction noise during the interment services shall not disturb the service. Trucks and workmen shall not pass through the service area during this period.

All work will be coordinated with the Contracting Officer's Representative (COR). Only the Contracting Officer (CO) has the authority to make changes to the contract that affects price and/or time. Work will be conducted in such a manner to minimize the impact on the Cemetery operations.

To schedule a site visit, contact the COR.

Contracting Officer's Representative (COR):

James Russell, Cemetery Foreman

TEL: (209) 854-1040 x105

james.russell10@va.gov

Acting Cemetery Director:

Cynthia Nunez

TEL: (209) 854-1040

Cynthia.Nunez@va.gov

2. GENERAL REQUIREMENTS

- a. The Contractor shall confine all operations (including storage of materials) on Government premises to areas authorized or approved by the COR. The Contractor shall hold and save the Government, its officers and agents, free and harmless from liability of any nature occasioned by the Contractor's performance.
- b. Execute work so as to interfere as little as possible with normal functioning of Cemetery as a whole, including operations of utility services, fire protection systems and any existing equipment, and with work being done by others.
- c. To minimize interference of construction activities with flow of Cemetery traffic, comply with the following.
- d. Keep roads, walks and entrances, parking and to occupied areas of buildings clear of construction materials, debris and standing construction equipment and vehicles.
- e. Repair and replace any existing structure to existing condition when altered or damaged by the construction.

- f. All utilities are required for the continuous operation of cemetery operations. Disruption of any utilities must be requested in writing seven (7) calendar days in advance of proposed shutdown. When option exists, implement options to minimize interruption of service to the facilities.
- g. The Contractor shall assume sole responsibility for safety of all persons on or about the construction site, in accordance with applicable laws and codes. Guard all hazards in accordance with the safety provisions of the latest manual of accident prevention published by the Associated General Contractors of America and OSHA.
- h. Cleaning up shall include the removal of all equipment, tools, materials and debris and leaving the areas in a clean, neat condition at the end of each work day.
- i. Final clean-up: Remove all equipment, tools, material, debris, rubbish, and excess material from the cemetery, leaving the areas in a clean.

3. SAFETY

- a. Site and Building Access: Maintain free and unobstructed access to facility emergency services and for fire, police and other emergency response forces in accordance with NFPA 241.
- b. Means of Egress: Do not block exiting for occupied buildings, including paths from exits to roads. Minimize disruptions and coordinate with COR.
- c. Fire Extinguishers: Provide and maintain extinguishers in construction areas.
- d. Smoking is prohibited except in designated smoking rest areas. Smoking is prohibited in and adjacent to construction areas, inside existing buildings and additions under renovation.
- e. Matters related to safety, and any actions of the Contractor, shall meet all safety requirements of San Joaquin Valley National Cemetery Safety Officer, Department of Veterans Affairs, OSHA, and the State. It is incumbent upon the Contractor to be familiar with these requirements. "Safety" shall also include the Contractor having a safety representative who maintains regular and routine contact with the Safety Officer at SJVNC. Contractor shall provide training of the contractor's and subcontractor's workers as necessary to meet these requirements.

4. WARRANTY

The Contractor shall guarantee that all work done under this contract will be free from faulty materials or workmanship and hereby agrees to repair or replace without cost to the VA and to his/her satisfaction all defects or imperfection appearing in said work within a period of one year after the date of final acceptance by the VA of all work done under this contract. Contractor must respond within 48-hours to perform any warranty work. Time to have parts delivered to site that are not locally available is not included in this 48-hour response time.

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