

STATEMENT OF WORK

REPLACE MAIN ISOLATION VALVES DALLAS-FORT WORTH NATIONAL CEMETERY, DALLAS, TEXAS

- A. The Contractor: Shall furnish all labor, material, equipment, and supervision necessary to replace three (3) existing resilient wedge isolation gate valves and install two (2) new isolation valves on the irrigation water main line at Dallas-Fort Worth National Cemetery in accordance with drawings, specifications, and per applicable standards and requirements.
- B. The Work: The Work shall include, but shall not be limited to the following (not necessarily in the order indicated):
1. Contractor shall coordinate the isolation and draining of the irrigation water system with the Contracting Officer's Representative (COR) prior to beginning work. Inform the COR in writing for such disruptions and obtain approval from the COR in writing at least 7 calendar days prior to such need.
 2. Excavate, demolish, and remove the three (3) existing 12-inch resilient wedge gate valves, valve boxes, extensions, and concrete blocks as indicated on the work site plan. Cut out and remove the anchored gate valve. The valves are anchored in concrete blocks.
 3. Excavate for the two (2) new isolation valves. Excavate to permit workspace for installing connections. The water main is PVC and approximately 3 to 4 feet deep to the center line. Install and maintain safety fencing around all open excavations during working hours. Do not leave any open trenches unprotected overnight.
 4. Install five (5) new valves with new AWWA C515 compliant resilient wedge gate valves meeting the following requirements and per the specifications and drawing details: epoxy-coated iron body meeting or exceeding ANSI/AWWA C550 standard, stainless steel hardware, 100% coated wedge fully encapsulated with molded rubber for minimal flow loss, non-rising copper alloy stem with 2-inch square wrench nut turning clockwise to close, flanged ends, and 250 psi working pressure. Acceptable manufacturers are Leemco, Mueller, Clow, or approved equal.
 5. For valves in new locations, cleanly cut pipe and install field-adaptable wedge style restrained flanging adapter system conforming to ASTM A536 with flange bolt circles that are compatible with the gate valve selected and ANSI/AWWA C110/A21.10. The flange adapter will have a pressure rating equal to the main line pipe.
 6. Re-pressurize the system only when all installations have been completed and initially inspected/approved by the COR. Perform a 24-hour leak test of the pressurized system. Schedule and perform an operational test of each valve with the COR prior to backfilling the excavations.
 7. Install new steel valve box with cast iron lid and government-provided utility box according to the drawings. Backfill, compact, and install new sod according to the specifications.

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C. General Conditions:

1. Haul away & dump debris and waste to an approved disposal site.
2. Remove, cut, alter, replace, patch and repair existing work as necessary to install new work. Existing work to be altered or extended and that is found to be defective in any way, shall be reported to the COR before it is disturbed. Materials and workmanship used in restoring work shall conform in type and quality to that of original existing construction, except as otherwise shown or specified.
3. Thoroughly clean up the work area at the end of each day's work, and at completion of the project. Leave premises clean and free of waste, scrap, used equipment, or other material intentionally or incidentally delivered to the site by Contractor or Contractor's personnel. Haul away & dump debris and waste to an approved disposal site.
4. The Contractor shall preserve and protect all structures, equipment, and vegetation (such as trees, shrubs, and grass) on or adjacent to the work site not to be removed and do not unreasonably interfere with the work required under this contract. If any limbs or branches of trees are broken during contract performance, or by the careless operation of equipment, or by workmen, the Contractor shall trim those limbs or branches with a clean cut and paint the cut with a tree-pruning compound as directed by the Contracting Officer.
5. The Contractor shall protect from damage all existing improvements and utilities at or near the work site and on adjacent property of a third party, the locations of which are made known to or should be known by the Contractor. The Contractor shall repair any damage to those facilities, including those that are the property of a third party, resulting from failure to comply with the requirements of this contract or failure to exercise reasonable care in performing the work. If the Contractor fails or refuses to repair the damage promptly, the Contracting Officer may have the necessary work performed and charge the cost to the Contractor.
6. All utilities required for the continuous operation of all existing facilities shall be maintained in service at all times except when disruptions are needed. The Contractor shall inform the Cemetery Director and the Contracting Officer (CO) in writing for such disruptions and obtain approval from the CO in writing at least 2 weeks prior to such need. When option exists, implement options to minimize interruption of services to the facilities.
7. The Contractor shall coordinate with the Cemetery Director for parking, material storage, temporary portable restroom facilities, and any other needs for the work. Public access to the National Cemetery shall not be impaired.
8. The Contractor shall assume sole responsibility for safety of all persons on or about the

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construction site, in accordance with applicable laws and codes. Guard all materials in accordance with the safety provisions according to OSHA and Associated General Contractors of America (AGC).

D. Standards of Employee Conduct:

1. The National Cemetery Administration honors veterans with a final resting place and lasting memorials that commemorate their service to our Nation. National Cemeteries are national shrines. The standards of work, appearance, and procedures performed by the contractor at this cemetery shall reflect this nation's concern for those interred there. Due to the sensitive mission of the cemetery, contractor personnel must exercise and exhibit absolute decorum, composure, and stability at all times.
2. Contractor personnel shall be required to adhere to the following standards of dress and conduct, as briefly mentioned here, while performing work in the National Cemetery. These standards and regulations are enforceable under Title 38, U.S.C., Part I, Chapter 9, Section 5901.
3. Clothing shall be presentable and suitable to the work while maintaining proper appearance and decorum indicative for a National Shrine. Uniform shirts and hats are preferred. Clothing shall be clean and cleanliness and personal hygiene are imperative. T-shirts and/or tank tops as outer garments are prohibited. Protective/safety clothing and shoes shall meet or exceed OSHA and state requirements.
4. Behavior and language must be appropriate, reverent, and respectful at all times.
5. Eating and drinking (except water) is prohibited in the work areas and within sight of a committal shelter during a service.
6. Use of intoxicating beverages, any tobacco products, and illegal drugs on the Cemetery premises is strictly prohibited.
7. Contractor personnel shall not lean, sit, or stand on or against headstones or monuments. No tools, equipment or other items will be placed or leaned on headstones or monuments.
8. The Contractor shall be responsible for maintaining satisfactory standards of personnel conduct and work performance and shall administer disciplinary action as required. The Contractor is expected to remove any employees from the Cemetery for cause, to include, but not limited to, safety violations, other misconduct in performance of duty under these specifications and/or conduct contrary to the best interests of the Government. If the Contractor fails to act in this regard, or the reason for a removal is immediately required to protect the interests of the Government, the COR may direct the removal of an employee from the premises. Contractor objections to any such action will be referred to the Contacting Officer (CO) for final resolution; however, the Contractor will first

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immediately comply with COR direction pending any CO final resolution at a later time or date. The Contractor will not be due any type of compensation for their costs incurred as a result of an employee being removed for cause; unless the removal is directed by the COR, and is later found invalid and/or unreasonable by the Contracting Officer.

- E. Time of Completion: The project shall be completed within 120 calendar days after contract Notice to Proceed. Work outside of the Cemetery's normal operating hours of 7:00 am to 4:30 pm, Monday through Friday, excluding observed Federal Holidays, shall be permitted only by approval of the COR and in accordance with Paragraph B.9 of this SOW. The Contractor shall not commence performance of work until the Contracting Officer has conducted a preconstruction meeting or has advised the Contractor that a preconstruction meeting is not required.
- F. Code Compliance: All work shall be performed in accordance with the specifications. It shall be the Contractor's responsibility to comply with all the applicable local, state and federal laws and regulations. The Contractor shall apply and obtain all applicable permits to comply with local, State and Federal regulations and requirements. The Contractor shall remove and dispose of all waste materials and construction debris and comply with all applicable local, State and Federal regulations and requirements. All waste materials and debris specified shall be removed from the Cemetery grounds by the Contractor at its own expenses, including all applicable permits and fees.
- G. Experience Requirements:
1. The Contractor shall provide sufficient project details with their technical proposal to demonstrate experience with at least three (3) water utility projects of similar size, scope, and using similar materials and methods over the past five (5) years. Each contract submitted must have been satisfactorily completed, or if not yet completed, must be marked by satisfactory progress. The Government will not consider a contract that is less than 50% complete or an effort that concluded more than 5 years ago. Contractor shall provide customer points of contact for each project listed.
 2. Contractor Supervisor/Superintendent: A competent and experienced English-speaking Contractor Supervisor/Superintendent shall be provided by the Contractor whenever work is being performed - other than trash and debris pick-up. The Contractor Supervisor must have not less than five (5) years of experience as a direct supervisor of water utility projects. Offerors shall submit a resume for the Contractor Supervisor as part of the technical proposal. All permanent substitutions, whether of prime supervisors or sub-contractors, will be identified and reported to the COR and Contracting Officer, if not prior to, as soon as possible after occurrence.
 3. The Contractor Supervisor shall review and approve submittals, ensure all specifications are being met, inspect the quality of work performed, ensure contract work does not conflict with ceremonies and funerals, ensure employees are adequately supervised and

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proper conduct maintained, and certify the completed work for payment and other purposes.

H. Contractor Quality Control:

1. The Contractor shall guarantee that all work done under this contract shall be free from defaults and no faulty workmanship with one (1) year warranty. Contractor shall ensure all appropriate paperwork is submitted to the manufacturer to receive the warrant. The Contractor hereby agrees to repair or replace deficiencies within 14 calendar days of notification by the direction of the CO at Contractor's own expense and shall be corrected to the satisfaction of the Government.

I. Submittals After Award:

1. Submit samples, cut sheets, and shop drawings to the COR for review and approval.
2. Detailed Work Plan. The Contractor shall provide in writing a detailed work plan which presents the Contractor's plan for completing the work. The Contractor's plan shall be responsive with the Scope of Work and describe, in detail, the approach to be used for each task required. For each task, the Contractor shall identify all necessary subtasks (if any), and milestone dates. The Contractor's work plan shall be submitted to and approved by the Contracting Officer prior to the start of on-site work.

J. Specifications Sections:

01 00 00 – *General Requirements*;
03 30 53 – *Cast-in-Place Concrete (Short Form)*;
31 20 11 - *Earth Moving (Short Form)*; and
33 10 00 – *Water Utilities*.

K. Plans/details:

1. Drawing X-101: *Cover Sheet & Index*;
2. Drawing L-101: *Overall Site Plan*;
3. Drawing L-102: *Detailed Site Plans*; and
4. Drawing L-201: *Water Details*.

- L. COR: The Contracting Officer's Representative (COR) for this project will be designated upon contract award in writing and the Contracting Officer will define the scope and limitation of the designee's authority. A copy of the designation will be furnished to the contractor.

- M. Project completion: The project site shall be protected and/or restored to a condition equal to that existing prior to the commencement of work. Upon completion of contract, deliver work

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complete and undamaged. Existing work disturbed or removed as a result of performing required new work, shall be patched, repaired, reinstalled, or replaced with new work, and refinished and left in as good condition as existed before commencing work.

END OF STATEMENT OF WORK