

ADDENDUM #1
July 5, 2016
CONTRACT DOCUMENTS
Landfill Shooting Range Pump Station Force Main

1. The attached minutes of the Pre-Bid Conference held on 28 June 2016 are an integral part of the Contract Documents.
2. Bidders are reminded that the following items are required for a valid bid:
 - a) Addenda acknowledged
 - b) Bid Form properly filled out
 - c) Bid Bond

General:

Contractor will be required to complete and sign the attached Contractor Environmental Requirements for Augusta County prior to signing the Agreement.

Changes to the Contract Documents:

1. Add the following to the end of Section 01270 "Unit Prices" 3.1.A.9:
 9. Temporary Bypass Pumping: This line item includes all labor, equipment, fuel, and appurtenances, related to temporary bypass pumping (using a contractor-supplied portable pumping system with automatic controls based on wetwell level) necessary to take the existing wetwell and pumps out of service during construction activities. **The temporary pump system shall be capable of meeting the flow rate of the existing pumps, which is approximately 315 gpm @ 220' TDH. For bypass pumping operations that extend overnight or beyond periods when the Contractor has responsible personnel onsite, a means of high level alarm notification must be provided. During bypass operations where the existing wetwell is being used, the existing ACSA high level alarm is sufficient. For bypass operations that circumvent the existing wetwell (such as for installation of new suction piping), a cellular or approved alternate alarm/dialer system must be utilized to provide notification of a high water condition in the suction manhole.**
2. Revise paragraph 2.1.1 of Section 02085 "Valves and Cocks" 2.1.1 to read:
 1. **Swing Check Valves (Liquid):** Liquid check valves shall be of the swing check type, bronze mounted with cast iron body conforming to ANSI/AWWA C 508. Valve shall be operated by an external lever and adjustable weight. Disc shall provide a positive seal in the closed position and pivot to provide an unobstructed flow way in the open position. **The interior and exterior of the valve shall be epoxy-coated – suitable for use with sanitary sewer.**
3. Revise paragraph 2.2.1 of Section 02085 "Valves and Cocks" 2.2.1 to read:
 1. **Plug Valves:** Valves shall be cast iron provided with standard mechanical joint or flange ends as shown on the plans and shall be ANSI rated at 150 psi. Valve shall be capable of bubble tight closure but adjustable to stop positions partially closed for throttling. Buried valves shall be fitted with a standard 2 inch operating nut. Exposed valves, including valves within vaults, shall be provided with a handwheel for operation. **The interior and exterior of the valve shall be epoxy-coated.** Valve liners and seats shall be of a material suitable for use with an abrasive sanitary sludge. **All valves shall have gear boxes providing multi-turn open and close operation. Plug valves shall be 100% full port valves suitable for pigging.**

4. Revise Appendix B “ACSA Approved Products List” as follows:

Include Val-Matic as an approved manufacturer for plug valves.

Add Val-Matic, Dezurik, Kennedy, and M&H as approved manufacturers of swing check valves.

Changes to the Plan Sheets:

1. Revise the note located on the far right side of Sheet C02 (plan view) to read as follows:

CUT & CAP EXISTING 6” FM: CLOSE EX. VALVE, REMOVE VALVE BOX, CUT AND CAP LINE BEHIND (USING FUSIBLE HDPE CAP), & INSTALL THRUST BLOCK. EXISTING 6” FORCE MAIN ON THE “THROUGH” PORTION OF THE TEE (BEHIND THE VALVE) TO REMAIN IN SERVICE FROM THE LANDFILL FOLLY MILLS PUMP STATION.

2. Revise Sheet C03 Construction Sequence Note #1 to read “Construct new **10”** ~~8”~~ Force Main from...”.



Environmental Management Systems

Contractor's Environmental Requirements

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1. Introduction

- 1.1 The following information is supplied to contractors who perform work on property owned by Augusta County, Augusta County Service Authority or Augusta County Public Schools. The contractor receives these requirements in the event contractor services have a potential to cause significant environmental impacts. The information presented in this package has been developed in response to the Augusta County's Environmental Management System (EMS). The intent of this information is to make on-site contractors aware of the EMS that has been implemented and to ensure that they conform to the applicable EMS program requirements as well as State and Federal regulations. The contractor will respond to receipt of this document by signing a statement indicating they have read these requirements, fully understand them and will comply with all EMS, State and Federal regulations.
- 1.2 Conformance with EMS requirements and State and Federal regulations are expected of all subcontractors and employees and will be enforced by the projects contractor.
- 1.3 For further information, or review of EMS details, please contact the Environmental Programs Manager at 540-245-5700.

2. Material Handling / Spills

- 2.1 There will be no outside storage of any hazardous materials without the consent of the owner's representative and/or Environmental Programs Manager.
- 2.2 Contractors will properly label, store and dispose of all hazardous materials.
- 2.3 When handling, storing or disposing of hazardous chemicals or materials contractors will meet all applicable laws and regulations.
- 2.4 Contractors will provide adequate spill/release prevention for all bulk materials.
- 2.5 The contractor will ensure that chemical containers are closed except when in use or if regulations prohibit closure.
- 2.6 The contractor will have available the Safety Data Sheets (SDS) for all chemical products on site. SDSs will be made available to maintenance personnel, medical personnel, environmental personnel or their representatives upon request.

- 2.7 Contractors will maintain spill kits to contain and clean up spills generated by their employees or from their materials. Spill kits will be kept on site and will be easily accessible in the event of an emergency.
- 2.8 Contractors will immediately notify the owner's representative who will contact the Environmental Programs Manager of any reportable spills, releases or other environmental incidents. Contractors will follow up by submitting a completed Environmental Tracking of Spills and Releases Form to the Environmental Programs Manager. The contractor is responsible for notifying appropriate State/Federal agencies and cleaning up the spill within legal time requirements.

3. Waste Disposal

- 3.1 Shipping information and paperwork (SDS, Waste Profiles, Land Ban Forms and Recycling/Disposal Certificates) must be provided to the owner's representative or Environmental Programs Manager upon request.
- 3.2 Contractors are responsible for all regulated wastes. All State, Federal, and EMS requirements must be met.

4. Water Discharges

- 4.1 Discharge of materials other than potable water to ANY drainage system is prohibited.
- 4.2 Discharges to sanitary sewers are prohibited unless approved by Augusta County Service Authority.

5. Land Disturbance

- 5.1 Solids must be prevented from entering sewer drains. Roadways and outside areas must be kept clean.
- 5.2 It is the contractor's responsibility to comply with all Virginia Erosion and Sediment Control Laws and County Ordinances administered by the County Engineer. The County Engineer may be contacted at 540-245-5700. A Land Disturbing Permit may be required.

6. Equipment Decommissioning

- 6.1 All equipment will be thoroughly inspected by the contractor for fluids and other hazardous materials prior to removal.
- 6.2 All fluids and other hazardous materials will be removed prior to decommissioning of equipment.
- 6.3 Disposal of any waste generated will be handled in accordance with EMS, State and Federal requirements.

7. Inspections

- 7.1 The owner's representative and/or Environmental Programs Manager may inspect hazardous materials, training/disposal records, equipment, etc. to insure compliance with EMS program requirements and State and Federal regulations. By execution of the contract, permission will be given for the owner's representative and/or Environmental Programs Manager to conduct the proper inspections. Any items found insufficient in protecting the environment will be corrected by the contractor.

8. Contractor Sign Off

- 8.1 Contractors are required to be familiar with the Contractor's Environmental Requirements and are required to sign the attached statement and submit it with the formal bid documents.



Environmental Management Systems

Compliance with Environmental Requirements

I have read and fully understand the environmental requirements contained in the Contractor's Environmental Requirements. My company and its subcontractors and employees will comply with all EMS requirements and State and Federal Regulations concerning storing, using, transporting, and disposing of hazardous chemicals and materials.

Company: _____

Principle in Charge: _____

Signature of Principle: _____ Date: _____

PREBID CONFERENCE MINUTES
June 28, 2016 10:00 A.M.
Landfill Shooting Range Pump Station Force Main
Augusta County Service Authority

Order of Business

- Review of Minutes
- Questions and Comments
- Site Visit (Optional)

1. Introduction

- a. Sign-up sheet.
- b. Agenda distribution.
- c. Identification of Owner and Engineer.

2. Scope of Work

The Project consists of construction of a connection to the existing pump station and 2500 lf of 10" HDPE force main at the Augusta Regional Landfill southeast of Staunton, Virginia.

3. Scheduling

- a. Bid Opening: Sealed Bids will be received by ACSA, 18 Government Center Lane, Verona, VA 24482 until **2:00 P.M. (local standard time), July 12, 2016**, and then publicly opened and read aloud at the said office, same address as above.
- b. Award of Contract: ACSA will make an award as soon as possible. It is anticipated that the Notice to Proceed will be issued in **August 2016**.
- c. Construction Time: Each subdivision of the Work will be substantially completed within **90 days** after the date when the Contract Times commence to run as provided in Paragraph 2.03 of the General Conditions, and completed and ready for final payment in accordance with Paragraph 14.07 of the General Conditions within **120 days** after the date when the Contract Times commence to run.
- d. Bid form is located in the Contract Documents.

5. Qualification Statement

To demonstrate qualifications to perform the work, each bidder must be prepared to submit within five days of Owner's request written evidence, such as financial data, previous experience, present commitments and other such data as may be called for in these Contract Documents. Each Bid must contain evidence of Bidder's qualification to do business in the state where the project is located or covenant to obtain such qualification prior to award of the contract. Please see Section 00450 of the Contract Documents for the required information.

6. Insurance and Bonds

- a. Bid Bond – Each Bid must be accompanied by Bid security made payable to the Owner in an amount of five percent of the Bidder's maximum Bid Price and in the form of a certified or bank check or a Bid Bond (on form attached or similar form) issued by a surety meeting the requirement of Article 8 of the Instructions to Bidders.

- b. Bonds – Article 5 of the General Conditions. When the successful Bidder delivers the executed Conditions and the Supplementary Conditions set forth Owner's requirements as to Agreement to Owner, it must be accompanied by the required performance and payment Bonds.
- c. Insurance Required – Section 00800 of the Contract Documents outlines the insurance requirements for this project.
- d. Bidders Obtain Complete Sets of Documents – Copies of the Contract Documents may be obtained at the office of Peed & Bortz, LLC, located at 20 Midway Plaza Drive, Suite 100, Christiansburg, VA, 24073 upon payment of \$250.00 for each set. Any **Plan holder**, upon returning the Contract Documents in good condition, within ten (10) days of bid opening will be refunded \$125 of the payment.

7. Property, Easements, and Existing Utilities

- a. Property- All of the work is within the Augusta Regional Landfill, owned and operated by the ACSA. The construction area is not expected to directly conflict with landfill operations, but Contractor will be required to plan and stage work in a way that avoids disruption to the landfill. **A portion of the work area is utilized as a shooting range and obstacle course by local police forces. Contractor may be required to coordinate operations to minimize impact to these areas.**
 - 1.) Bidders who wish to access the site during normal working hours may contact Greg Thomasson at 540-337-2857 at least 24 hours prior to visitation. Bidders will check in with the scale house when arriving.
- b. Utilities – Electric, telephone, water and sewer utilities serve the area of the property.
 - 1.) Underground copper telephone, and underground electrical lines are also known within the work area and have been generally identified (per Miss Utility markings) on the plans. Additional underground utility lines may be within the work area.
 - 2.) The Contractor is responsible for coordinating with Owner and Miss Utility to locate underground utilities prior to construction.
- c. Permits –
 - 1.) Augusta County Erosion Control – The Contractor will not be required to obtain a Land Disturbing Permit but will be required to comply with the E&S measures shown on the plans and comply with the E&S narrative in the contract documents.
 - 2.) Augusta County Building Permit – The Contractor is responsible for applying for and (if required) obtaining a building permit from the Augusta County Building Inspection Office for the modifications to the pump station building.

8. Staking of Work

- a. Work areas will be staked by the contractor and approved by the Owner and Engineer before starting any construction. Suitable control will be provided by the Engineer prior to construction.

9. Inspection

- a. The Owner will furnish an Inspector to inspect the project for the Owner.
- b. The Contractor will furnish an Owner approved geotechnical engineer/testing agency to provide materials and soil testing services for this project in accordance with the specifications including concrete testing.

10. Right-of-Way Work

- a. Not applicable.

11. Materials

- a. All materials required to construct this project are specified in the Specifications.

12. Environmental Requirements

- a. Information and certification form (Augusta County Environmental Management System) to be added by Addendum #1. Successful contractor will be required to provide a completed certification form prior to Notice to Proceed.

13. Special Conditions

- a. Earthwork: The contractor will provide a cut-to-fill balanced project. No additional payment will be paid by the Owner to the Contractor for excavation required to bring grades to fill or for disposal of excess material within the project area or outside the project area. **Contractor may dispose of excess material at a location on the landfill property as identified by the Owner.**
- b. Contractor may use erosion control matting to secure slopes and ditches from eroding at his discretion. Contractor will use erosion control matting as shown on the plans. No additional payment will be made by the Owner for use of matting unless matting is specifically required by Augusta County erosion control.
- c. Record Drawings: The Contractor will maintain Record Drawings as revisions are made. The working set of record Drawings will be reviewed by the Owner and Engineer at the monthly progress meetings. The Contractor will submit to the Engineer at the Final Completion inspection, record drawings of the project. The Engineer will provide Contractor with one set of reproducible plan sheets upon request. Record drawing will include one legible set of drawings upon completion of construction. As part of the record drawings, the Contractor will provide all geotechnical testing results regarding the project and a final letter from the Geotechnical Engineer stating the project was completed to contract specifications. Final payment will not be paid until suitable "Record Drawings" are provided to the Engineer.
 - 1.) Contractor will be responsible for marking the installed force main at 50' intervals per the plan detail for Rhino Tri-View Markers including connection to the tracing wire installed with the pipe.
- d. OSHA Requirements: The Contractor will be responsible for complying with all OSHA requirements including all excavation, pipe installation and backfilling in accordance with the OSHA Excavation Standards 29 CFR Part 1926, Subpart P. The Contractor's responsibility also extends to providing a "Competent Person" as defined by the OSHA regulation referenced above on the job site.
 - 1.) Contractor should use caution and take appropriate measures to account for and protect against the potential of landfill gasses in or around work areas, particularly for work in the area of the pump station and wetwell.
- e. Pump Station Service: The existing station must remain in service (using either the existing pumps or a temporary pump system) at all time throughout the project period. A construction sequence is provided on the drawings; however, actual scheduling and coordination of the work is the Contractor's responsibility.
 - 1.) The contractor should make efforts to minimize the amount of time that the system operates on bypass pumping. The bypass pumping system must include an automatic control system for pump operation. The system shall either include a meter or a drawdown test must be performed following installation to determine the approximate flow rate. Daily flow/pump run time readings will be required while the temporary pump system is in operation.
- f. Discharge area and liner re-establishment: Contractor shall take care to not damage the existing pond and liner system beyond what is necessary for the work. Repairs shall be made in accordance with the Contract Documents and liner manufacturer's recommendations.

14. Comments and Questions:

- a. Bid submission requirements:
 - 1.) Bid Form properly filled out-Section 00410
 - 2.) Addendum acknowledged (on bid form)
 - 3.) Bid Bond -Section 00430
- b. Temporary Bypass Pump Flow Requirements: The temporary pump system should be capable of meeting the flow rate of the existing pumps, which is approximately 315 gpm @ 220' TDH
- c. Wetwell Solids/Condition: ACSA does periodically pump out the wetwell to remove solids. ACSA will pump out the wetwell to remove accumulated solids prior to the contractor's work in the wetwell.
- d. Bypass Pumping System Alarm: For bypass pumping operations that extend overnight or beyond periods when the contractor has responsible personnel onsite, a means of high level alarm notification must be provided. During bypass operations where the existing wetwell is being used, the existing ACSA high level alarm is sufficient. For bypass operations that circumvent the existing wetwell (such as for installation of new suction piping), a cellular or approved alternate alarm/dialer system must be utilized to provide notification of a high water condition in the suction manhole.
- e. The construction Sequence on Sheet C03 incorrectly refers to a "new 8" force main". This is an error that should read "new 10" force main".
- f. Existing 6" FM Cut/Cap: Sheet C02 indicates that the existing 6" force main should be cut and capped just beyond an existing tee and valve. The Contractor should close the valve, cut the existing HDPE pipe and install a fused cap (an electrofusion cap is acceptable), and pour a concrete thrust block. The existing valve box should be removed and the area properly backfilled and compacted following completion of the cap installation. Note, there is an existing valve on the "through" portion of the force main (from the landfill Folly Mills pump station) to remain in service. Contractor shall take care to make sure that this valve is not damaged and the valve box is kept straight and true to allow for continued use.
- g. Accessibility: For work hours beyond typical landfill staffing hours, a contractor gate code can be provided.

