



Shelby County Landfill Gas Collection System Expansion

ADDENDUM NO. 1

Date: September 26, 2023

RE: Shelby County Landfill Gas Collection System Expansion

BID DATE AND TIME:

Tuesday, October 3, 2023 at 2:00 p.m.

Location for the bid opening remains the Shelby County Manager's Office, located at 200 West College Street, Room 123, Columbiana, Alabama, 35051

Project Manual, Plans and Specifications:

- See attached revised Project Specifications Section 00-1200 – Price and Payment Procedures

Questions and Clarifications:

Q1: Please confirm if the design engineer will be responsible to complete the pre-construction layout survey of the wells and pipeline.

A1: The CAD file and control points staked in the field will be provided. All other construction layout will be the responsibility of the contractor and paid under pay item #20 Engineering Controls.

Q2: Will the contractor need to weigh/pay for excavated waste before disposal?

A2: No, any excess waste excavation associated with the project can be disposed of onsite at no charge.

Q3: Will any tie-ins be deeper than 5 feet below ground level?

A3: See the plans for approximate elevations. It is possible for there to be some variation in depth and the contractor will be responsible for field verifying and performing work accordingly.

Q4: Where is the borrow pit located?

A4: Borrow materials is available onsite in close proximity to the project work. Site visits are welcome to observe field conditions and should be scheduled in advance by emailing bhamilton@shelbyal.com.

Q5: For as-built surveying, will it be acceptable to install survey risers along the pipelines every 50 feet so the surveyor can get the points after the pipeline trenches have been backfilled?

A5: Yes this practice is acceptable or location data can be collected as pipe is installed.

Q6: Confirm that no pipe bedding sand will need to be imported by the contractor and that excavated waste can be used as backfill.

A6: No pipe bedding is required for piping within the waste limits. Excavated waste is allowed for backfill material. Acceptable cover soil placement and seeding is required for all excavated areas.

Q7: Will any topsoil need to be imported for the seeding base layer or can the contractor use soil from the borrow pit?

A7: Suitable topsoil is available for use onsite. Site visits are welcome to observe field conditions and should be scheduled in advance by emailing bhamilton@shelbyal.com.

Q8: Will the 14" tie in be butt fusion or is there an existing flange to connect to?

A8: The connection to the existing system is an existing 14" flange.

Q9: What is the footage of the road crossings and where is it located? Also, how many road crossings are there?

A9: All piping and wells are within the MSW cell 4 boundary and there are no road crossings required..

Q10: From the drawings, it appears that all of the piping will be installed in 1 common trench. Is this correct?

A10: Per Detail 2 where possible that is correct.

Q11: Please confirm if the contractor is responsible to purchase the pump for the condensate sump and if it will be the same model as the other 10.

A11: Per Detail 6 the pump shall be the same QED AP-4 Pump as wells. The said pump shall be provided by the contractor and included in the pricing for Pay Item 7 in order to achieve a fulling functional pump station.

Q12: What engineering controls are expected to be needed by the contractor? There is no definition in the project manual for this line item #20.

A12: This is compensation for any construction layout required for the project that is performed by the contractor.

Q13: The bid item definitions include "Bid Items No. 6: 10" HDPE SDR-17 Pipe" and "Bid Item No. 12: 10" Butterfly Valve" however there is no line item for either on the bid form. Is any 10" pipe or valves associated with this project or just 14" and 6". If so, where?

A13: These items and their numbers were superfluous and generic material definitions. Materials not directly included in the project have been removed and items in Section 1200 have been renumbered to eliminate confusion.

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PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Schedule of values.
- B. Applications for payment.
- C. Change procedures.
- D. Defect assessment.
- E. Unit prices.
- F. Alternates.

1.2 SCHEDULE OF VALUES

- A. Submit printed schedule on Contractor's standard form or electronic media printout.
- B. Submit Schedule of Values in duplicate within fifteen (15) days after date established in Notice to Proceed.
- C. Include in each line item, number of Allowances specified in this section. For unit cost Allowances, identify quantities taken from Contract Documents multiplied by unit cost to achieve total for each item.
- D. Revise schedule to list approved Change Orders, with each Application For Payment.

1.3 APPLICATIONS FOR PAYMENT

- A. Submit four copies of each application on Contractor's electronic media driven form.
- B. Content and Format: Utilize Schedule of Values for listing items in Application for Payment.
- C. Submit updated construction schedule with each Application for Payment.
- D. Payment Period: Contractor to submit Pay Request, with the agreed upon quantities shown, on the first working day of the month for the previous month.
- E. Submit with transmittal letter as specified for Submittals in Section 01330.
- F. Substantiating Data: When submitting Pay Request that includes a pay request for stored materials, Contractor must also submit a paid invoice for all materials listed for reimbursement.

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1.4 CHANGE PROCEDURES

- A. Submittals: Submit name of individual authorized to receive change documents and be responsible for informing others in Contractor's employ or Subcontractors of changes to the Work.
- B. The Engineer will advise of minor changes in the Work not involving adjustment to Contract Sum/Price or Contract Time by issuing supplemental instructions.
- C. Contractor may propose changes by submitting a request for change to Engineer, describing proposed change and its full effect on the Work. Include a statement describing reason for the change, and effect on Contract Sum/Price and Contract Time with full documentation and a statement describing effect on Work by separate or other Contractors.
- D. Stipulated Sum/Price Change Order: Based on Proposal Request and Contractor's fixed price quotation.
- E. Unit Price Change Order: For contract unit prices and quantities, the Change Order will be executed on fixed unit price basis.
- F. Execution of Change Orders: Engineer will issue Change Orders for signatures of parties as provided in Conditions of the Contract.
- G. Correlation of Contractor Submittals:
 - 1. Promptly revise Schedule of Values and Application for Payment forms to record each authorized Change Order as separate line item and adjust Contract Sum/Price.
 - 2. Promptly revise progress schedules to reflect change in Contract Time, revise sub-schedules to adjust times for other items of work affected by the change, and resubmit.
 - 3. Promptly enter changes in Project Record Documents.

1.5 DEFECT ASSESSMENT

- A. Replace the Work, or portions of the Work, not conforming to specified requirements.
- B. If, in the opinion of the Engineer, it is not practical to remove and replace the Work, the Engineer will direct appropriate remedy or adjust payment.
- C. The defective Work may remain, but unit sum/price will be adjusted to new sum/price at discretion of Engineer.
- D. Defective Work will be partially repaired to instructions of Engineer, and unit sum/price will be adjusted to new sum/price at discretion of Engineer.
- E. Individual specification sections may modify these options or may identify specific formula or percentage sum/price reduction.

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- F. Authority of Engineer to assess defects and identify payment adjustments is final.
- G. Non-Payment for Rejected Products: Payment will not be made for rejected products for any of the following:
 - 1. Products wasted or disposed of in a manner that is not acceptable.
 - 2. Products determined as unacceptable before or after placement.
 - 3. Products not completely unloaded from transporting vehicle.
 - 4. Products placed beyond lines and levels of required Work.
 - 5. Products remaining on hand after completion of the Work.
 - 6. Loading, hauling, and disposing of rejected products.

1.6 UNIT PRICES

- A. Authority: Measurement methods are delineated in individual specification sections.
- B. Measurement methods delineated in individual specification sections complement criteria of this section. In event of conflict, requirements of individual specification section govern.
- C. Take measurements and compute quantities. Engineer will verify measurements and quantities.
- D. Unit Quantities: Quantities and measurements indicated in Bid Form are for contract purposes only. Quantities and measurements supplied or placed in the Work shall determine payment.
 - 1. When actual Work requires more or fewer quantities than those quantities indicated, provide required quantities at unit sum/prices contracted.
- E. Payment Includes: Full compensation for required labor, products, tools, equipment, plant and facilities, transportation, services and incidentals; erection, application or installation of item of the Work; overhead and profit.
- F. Final payment for Work governed by unit prices will be made on basis of actual measurements and quantities accepted by Engineer multiplied by unit sum/price for Work incorporated in or made necessary by the Work.

1.7 EXPLANATION OF BID ITEMS

- A. The basis of payment under this contract is the completion of the work as described in this section in accordance with the plans, specifications, applicable codes and good engineering and construction practices; and where applicable to the specific level of performance described in the plans and specifications. In the basis of payment below, the word “additional” means beyond the bid basis as approved by the OWNER’S REPRESENTATIVE. OWNER shall retain ten (10)% of each item’s invoiced under this Contract as retainage pending delivery of a complete and operable system. The basis of payment includes but is not limited to:

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Bid Item No. 1. Mobilization – The unit price bid includes the preparatory work including the movement of personnel, equipment, supplies and incidentals to the project site, and other costs incurred prior to beginning work on the various items on the project site. Payment shall be made in accordance with the appropriate schedule shown below, at the contract Lump Sum price bid and shall be full compensation for moving labor, tools, equipment, supplies and incidentals to and from the site as well as other pre-construction costs exclusive of bidding costs.

Schedule of Partial Payments for Mobilization when the Contract Bid Price for Mobilization is less than, or equal to 12% of the Original Contract Amount (Partial Payments are a % of the Contract Amount for MOBILIZATION)		
TIME OF PAYMENT	AMOUNT OF PAYMENT	ACCUMULATED PAYMENT
First Estimate	20% of the Bid Price for Mobilization	20% of the Bid Price for Mobilization
After the First Estimate and Upon Completion of 5% of the Original Contract Amount Excluding Prior Payment for Mobilization	50% of the Bid Price for Mobilization	70% of the Bid Price for Mobilization
After the First Estimate and Upon Completion of 50% of the Original Contract Amount Excluding Prior Payment for Mobilization	30% of the Bid Price for Mobilization	100% of the Bid Price for Mobilization

Schedule of Partial Payments for Mobilization when the Contract Bid Price for Mobilization is greater than 12% of the Original Contract Amount (Partial Payments are a % of the ORIGINAL CONTRACT AMOUNT , except the Final Payment)		
TIME OF PAYMENT	AMOUNT OF PAYMENT	ACCUMULATED PAYMENT
First Estimate	2% of the Original Contract Amount	2% of Total Contract Amount
After the First Estimate and Upon Completion of 5% of the Original Contract Amount Excluding Prior Payment for Mobilization	6% of the Original Contract Amount	8% of Total Contract Amount
After the First Estimate and Upon Completion of 50% of the Original Contract Amount Excluding Prior Payment for Mobilization	4% of the Original Contract Amount	12% of Total Contract Amount

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Final Estimate	Remainder of Contract Amount for Mobilization	100% of Contract Amount for Mobilization
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Bid Item No. 2: 2" HDPE SDR-11 Force Main - The unit price bid shall be compensation for material labor necessary for the installation of 2" HDPE SDR-11 Force Main at locations indicated in plans. Payment shall be made per Linear Foot.

Bid Item No. 3: 2" HDPE SDR-11 Air Line – The unit price bid shall be compensation for material labor necessary for the installation of 2" HDPE SDR-11 Air Line at locations indicated in plans. Payment shall be made per Linear Foot.

Bid Item No. 4: Air/Vacuum Release Assembly – The unit price bid shall be compensation for materials and labor necessary for the installation of a A.R.I. S-025 Automatic Air Release Valve at locations indicated in plans on proposed 2" Force Main. Price includes Payment shall be made per Each.

Bid Items No. 5: 14" HDPE SDR-17 Pipe – The unit price bid for the pipe shall be compensation in full 14" HDPE SDR-17 including excavation of trench, excavation, hauling, and placement of bedding material, supply & install pipe and fittings, testing, and backfilling. Payment shall be made per Linear Foot.

Bid Items No. 6: 6" HDPE SDR-17 Pipe – The unit price bid for the pipe shall be compensation in full 6" HDPE SDR-17 including excavation of trench, excavation, hauling, and placement of bedding material, supply & install pipe and fittings, testing, and backfilling. Payment shall be made per Linear Foot.

Bid Item No. 7: 36" HDPE SDR-32.5 Condensate Pump Station – The unit price bid shall be compensation in full for supply, plumbing, and installation of the 36" HDPE SDR-32.5 Condensate Pump Station, well caps, filter regulator, cycle counter, discharge lines, QED AP4 Pump, and valving, to provide a fully operational dual extraction assembly as indicated on the plans. Price includes 36" HDPE SDR-32.5 Condensate Pump Station and all associated items. Payment shall be made per Each.

Bid Item No. 8: 2" PVC Force Main Valve – The unit price bid shall be compensation for material labor necessary for the installation of 2" PVC Force Main Valve at locations indicated in plans. Payment shall be made per Each.

Bid Item No. 9: 2" Steel Air Valve – The unit price bid shall be compensation for material labor necessary for the installation of 2" Steel Air Valve at locations indicated in plans. Payment shall be made per Each.

Bid Item No. 10: Access Riser – The unit price bid shall be compensation for material and labor necessary for the installation of Access Riser per the plan details. Payment shall be made per Each.

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Bid Item No. 11: 14" Butterfly Valve – The unit price bid shall be compensation for material labor necessary for the installation of 14" Butterfly Valve at locations indicated in plans. Payment shall be made per Each.

Bid Item No. 12: 14" Blind Flange Assembly – The unit price bid shall be compensation for material labor necessary for the installation of 14" Blind Flange Assembly at locations indicated in plans. Payment shall be made per Each.

Bid Item No. 13: Remote Well Assembly – The unit price bid for the well conversion shall be compensation in full for supply and installation of each 2" QED wellhead, FERNCO coupling, kanalfex hose, valving, couplings, and other components necessary to install the wellhead, complete as per project details. Well is to accommodate the use of QED pumps to include hoses, parts, and equipment. Payment shall be made per Each.

Bid Item No. 14: Dual Extraction Well Head Assembly – The unit price bid for the well head shall be compensation in full for supply and installation of each 2" QED wellhead, FERNCO coupling, kanalfex hose, valving, couplings, and other components necessary to install the wellhead, complete as per project details. Well is to accommodate the use of QED pumps to include hoses, parts, and equipment. Payment shall be made per Each.

Bid Item No. 15: QED AP4 Auto Pump Condensate Removal Assembly (Wells Only) – The unit price bid shall be compensation in full for supply, plumbing, and installation of the QED AP4 Auto Pump, well caps, filter regulator, cycle counter, discharge lines, and valving, to provide a fully operational dual extraction assembly as indicated on the plans. Price includes QED Pump and all associated items. Payment shall be made per Each.

Bid Item No. 16: Well Abandonment (Drilling) – The unit price bid shall be compensation for material labor necessary for the Well Abandonment (Drilling) at the location indicated in plans. Payment shall be made per Linear Foot.

Bid Item No. 17: Hydroseeding – The unit price bid shall be compensation in full for supply of all seeding, mulching, and fertilizer by means of hydroseeding required to ensure a substantial and stable grass growth on all disturbed surfaces. Payment shall be made per Lump Sum.

Bid Item No. 18: As-Built Survey – The unit price bid shall include all labor, equipment, and material needed to supply the client with comprehensive horizontal and vertical as-builts of all system improvements, subject to approval by Engineer. Payment shall be made per Lump Sum.

Bid Item No. 19: Gas Extraction Well Construction In Refuse – The unit price bid shall be compensation for material labor necessary for the Gas Extraction Well Construction in Refuse at the location indicated in plans. Payment shall be made per Linear Foot.

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Bid Item No. 20: Engineering Controls – The unit price is intended as compensation for any layout services required by the Contractor for the construction of the project. Payment shall be made per Lump Sum.

1.8 ALTERNATES

- A. Alternates quoted on Bid Forms will be reviewed and accepted or rejected at Owner's option. Accepted Alternates will be identified in Owner-Contractor Agreement.
- B. Coordinate related work and modify surrounding work.

PART 2 PRODUCTS

Not Used.

PART 3 EXECUTION

Not Used.

END OF SECTION