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Addendum # 2 Central Landfill Leachate Forcemain and Cell 1 Pump Station

Date of Addendum: 7/12/24

NOTICE TO ALL BIDDERS AND PLANHOLDERS

The Bid Documents for the above-referenced Project are modified as set forth in this Addendum. The original Bid Documents and any previously issued addenda remain in full force and effect, except as modified by this Addendum, which is hereby made part of the Bid Documents. Vendors will take this Addendum into consideration when preparing and submitting a bid, and shall acknowledge receipt of this Addendum in the space provided in the Bid Documents.

BID SUBMITTAL DEADLINE

The bid submittal time has been changed from 2:30pm on Monday, July 22, 2024 to Tuesday, July 30, 2024 at 2:30pm.

1.0 – ATTACHMENTS

| Item | Description |
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| 1.1 | Revised Bid Form |
| 1.2 | Revised Section 01 20 00 Measurement and Payment |

2.0 – QUESTIONS AND ANSWERS

The following questions and answers are provided as a matter of information to clarify issues raised about the Bid Documents.

| Item | Questions and Answers |
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| 2.1 | <p>Q. Completion time of 120 days is impossible. After NTP it takes at least 2-3 weeks to issue purchase orders and receive submittal data to be submitted for Engineers approval. Sometimes, especially with control and instrumentation involved it could take 8-12 weeks to get submittal. Pumps submittal is running about 4-6 weeks. Then an Engineer generally takes 2-4 weeks to review and if approved on the first go around, the equipment is released for manufacturing and shipment. Controls and Instrumentation are generally running 4-6 months for manufacture. Pumps also 4-6 months. Installation on numerous stations could take 30 days per station. How many stations can be out of service and worked on at the same time is a question a little later, but the answer will also effect completion time. This job should be a 360 day completion timeframe. Please consider changing completion time to 365 days?</p> <p>A. Completion time has hereby been increased to 365 days.</p> |
| 2.2 | <p>Q. Are Prevailing Wage rates required for this project? If so, what are they?</p> <p>A. No</p> |
| 2.3 | <p>Q. Is mandatory MBE participation required and if so what are the goals. Also please realize if they are State required, 30 days pre-bid advertisement is required of contractors, to meet Good Faith Efforts.</p> <p>A. No MBE required participation.</p> |

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| 2.4 | <p>Q. We are confused about how many stations and respectively how many pumps are required? Bid Item 5 includes one station one pump to be installed plus a spare we think? Bid item 9 requires same, for four (4) stations. We thought there were only four stations total? How many stations? How many pumps installed per station? How many spare pumps?</p> <p>A. There are 4 existing pumps stations around cell 1 that need to be rehabbed/upgraded (Bid Item No. 9) and 1 new central leachate pump station (Bid Item No. 5) that will send flow from the existing main leachate holding tank to the existing Newark force main.</p> <p>One (1) Hydromatic HPGX 2-HP furnished and installed per Cell 1 Pump Station Per Drawing C-303. One (1) Spare Hydromatic HPGX 2hp (Cell 1 Pump Stations, Bid Item No. 9), 1 Spare Franklin Electric 10VRL-09 (Central Leachate Pump station, Bid Item No. 5)</p> |
| 2.5 | <p>Q. There is no spec section in spec book for Pumps. What should we base our bid on?</p> <p>A. The pump shall be a Franklin electric 10VRL-09 1-HP pump per Drawings C-204 and C-502.</p> |
| 2.6 | <p>Q. How many stations can be out of service and worked on at the same time? This also will effect contract time requirements? Will out of service stations require temporary By-Pass Pumping?</p> <p>A. One station can be out at a time. No, out of service stations will not require temporary By-Pass Pumping.</p> |
| 2.7 | <p>Q. Wet wells require Fiberglass repairs after cleaning. How are they to be cleaned? Are we responsible for removing leachate from wetwell? If so, how and where can it be disposed? We are being asked to bid an unknown. What is the bases for disposal of leachate and what is the bases for Fiberglass repairs? Can they be quantified for bidding purposes?</p> <p>A. See Note 6 on Drawing C-301. The County will pump down the existing stations as low as possible using the existing pumps, then the remainder of liquid at the bottom will need to pumped out by the Contractor using a low level pump. The leachate from the station can be emptied into one of the three remaining, operational lift stations for normal disposal by Solid Waste.</p> <p>The Bid Form and Measurement and Payment has been revised to incorporate a new Bid Item No. 12 for Repairs to the wet wells. Inspection of the wet wells was not completed prior to bid for various reasons and therefore are difficult to quantify. Repairs to the wet well will likely be limited to original ladder anchors/bolt holes, conduit penetrations, pump anchors, and encountered deterioration/damage incurred since original installation. Repairs shall be performed with a fiberglass tank repair system, LF Manufacturing Inc., Glass Fabmat, or Engineer/Owner approved equal. The Contractor shall perform the repairs in accordance with the manufacturer's repair instructions.</p> |
| 2.8 | <p>Q. Project force main is designed as, "Open - Cut." Can it be installed by Directional Drilling?</p> <p>A. We are open to either method.</p> |
| 2.9 | <p>Q. The drawings show a new Franklin Electric 1-HP pump inside the Leachate Pump Building on Sheet C-204, please provide the specifications for this pump.</p> <p>A. Franklin Electric 1-HP 10VRL-09, 4-pole pump</p> |
| 2.10 | <p>Q. Sheet C-303 shows installing one new Hydromatic Submersible pump for each pump station but I cannot find the specifications for this pump. Is the intent of the project to install new pumps in each pump station? If so, please provide the specifications or these pumps.</p> <p>A. Yes, Hydromatic HPGX 2-HP, explosion proof.</p> |
| 2.11 | <p>Q. How many pump stations can be taken offline at one-time? While offline, will bypass pumping be required to control the flows? Can all four be taken offline at one time?</p> <p>A. One pump station can be down at a time. It is anticipated that the incoming piping can be shut of via existing valving to stop/reduce the flow of leachate into the pump station. However, the Contractor shall assume that plugging of the incoming pipe will be required to maintain working conditions. Three pump station shall remain operational at all times.</p> |
| 2.12 | <p>Q. Can we directionally drill the forcemain or must it be open cut?</p> <p>A. Directional drilling of the forcemain is acceptable.</p> |
| 2.13 | <p>Q. Please extend the contract duration from 120 days to 240 days due to long lead time items and feasibility of construction.</p> <p>A. The Contract duration has been extended to be 365 days.</p> |
| 2.14 | <p>Q. Note 6 on C-301 calls for inspection and repair of the fiberglass wet wells, please advise what products are required to be used for the repairs as well as square footage of expected repairs. Or please allow for this bid item to be covered under an allowance item.</p> <p>A. The Bid Form and Measurement and Payment has been revised to incorporate a new Bid Item No. 12 for Repairs to the wet wells. Inspection of the wet wells were not completed prior to bid for various reasons</p> |

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| | <p>and therefore are difficult to quantify. Repairs to the wet well will likely be limited to original ladder anchors/bolt holes, conduit penetrations, pump anchors, and encountered deterioration/damage incurred since original installation. Repairs shall be performed with a fiberglass tank repair system, LF Manufacturing Inc., Glass Fabmat, or Engineer/Owner approved equal. The Contractor shall perform the repairs in accordance with the manufacturer's repair instructions.</p> |
| 2.15 | <p>Q. Please clarify if existing conduits and conductors from Pump Stations 104D to 103C, 104D to 102B and 102B to 101A are all existing to be reused or if any new conduits or conductors are to be installed.</p> <p>A. The power wires to each station are assumed to be reused. A new handhole will be placed to connection point from the existing to the proposed equipment. New power conductors shall be furnished and installed from the end of the existing power conductors to the proposed equipment. See typical pump station plan on Drawing E-2 coded note 1 and note 5.</p> <p>All of the existing signal wires will be abandoned in place with the exception of connecting 1 pair. CONNECT TO AN EXISTING TSP AT NEW HANDHOLE LOCATION. HANDHOLE WILL BE UTILIZED TO ABANDON IN PLACE THE EXISTING TSP SIGNAL CONDUCTORS. CONTRACTOR SHALL CONNECT TO ONE OF THE EXISTING SIGNAL WIRES THAT ROUTES BACK TO THE PLC. CONNECT TO PLC FOR STORAGE TANK PERMISSION SHUT OFF IF TANK IS FULL. COORDINATE ANY PROGRAMMING NEEDED WITHIN EXISTING PLC. See typical pump station plan on Drawings E-2 coded note 8.</p> |
| 2.16 | <p>Q. Please note that upon inspection at the pre-bid meeting electrical pullbox #2 between 104D and 102B is completely full of sand. Please insure all bidders are made aware of this.</p> <p>A. Noted. Further, there is a measurement and payment section under bid item 11 for the repair of the existing handholes. Note 1 from C-201 – the contractor shall perform repairs to the existing CMU electrical pull boxes, inclusive of block repairs, block placement, new joints, pointing, leveling, and installation of a fabricated lid with hatch. The contractor shall submit to the owner and engineer for approval, a proposed plan for repair at each location. Pull box number 2 is full of sand and will need to be dug out by the contractor and repaired accordingly.</p> |
| 2.17 | <p>Q. Who is the preferred systems integrator?</p> <p>A. There is no preferred systems integrator.</p> |
| 2.18 | <p>Q. Can Envirep provide a BOM and/or Scope of work?</p> <p>A. The Contractor is encouraged to contact Envirep for this information.</p> |
| 2.19 | <p>Q. Who is to provide the Omnisite Crystal Ball remote monitoring system?</p> <p>A. The County has been in contact with Envirep throughout design for this system.</p> |
| 2.20 | <p>Q. Would Endress + Houser be an acceptable manufacturer for the mag meter?</p> <p>A. Endress & Houser is generally acceptable as long as it's compatible with the other proposed system components. Additionally, it is the contractor's responsibility to vet this information if used as basis of bid and awarded contractor shall submit it during shop drawing reviews for engineer/owner concurrence.</p> |
| 2.21 | <p>Q. Is this a prevailing wage rates/Davis Bacon wages rates?</p> <p>A. No</p> |
| 2.22 | <p>Q. Section 26 00 00 (2.2) C (5) – Alternatively, Thomas & Betts Kindorf Channel System, with stainless steel hardware, and non-corrosive parts. Can we confirm, Stainless Steel Strut assembly would be acceptable to use for the construction of equipment racks at each pump station?</p> <p>A. This is acceptable.</p> |
| 2.23 | <p>Q. Will the bid date be able to be pushed by a week to allow for time to address any items that may arise from future addenda?</p> <p>A. Bid due date has been changed to Tuesday, July 30, 2024 at 2:30pm.</p> |
| 2.24 | <p>Q. Drawing C-301 shows removing the metal lid to each wet well but does not show removing anything associated with the adjacent valve vaults. However, the new slab on drawing C-303 shows a new hatch which appears to access the existing valve vaults. Please confirm if we are to leave the existing valve vaults untouched or if we are to remove the metal lids for the valve vaults as well. Please revise the demo details for the valve vault if we are required to remove anything.</p> <p>A. The valve vault's metal lid shall be removed and disposed of by the contractor. The existing valve vault will remain with the proposed cast-in-place concrete top slab with hatch covering the vault.</p> |

END OF ADDENDUM

BID FORM

PROJECT IDENTIFICATION: Worcester County Central Landfill Leachate Forcemain and Cell 1 Pump Stations Project

CONTRACT IDENTIFICATION:

THIS BID IS SUBMITTED TO: County Commissioners of Worcester County—OWNER

SUBMIT BID AT: Worcester County Government Center
1 West Market Street
Room 1103
Snow Hill, Maryland 21863
Attn: Nicholas Rice, Procurement Officer

1. The undersigned BIDDER proposes and agrees, if this Bid is accepted, to enter into an agreement with OWNER in the form included in the Contract Documents to perform and furnish all Work as specified or indicted in the Contract Documents for the Contract Price and within the Contract Time indicated in this Bid and in accordance with the other terms and conditions of the Contract Documents.
2. Bidder accepts all of the terms and conditions of the Advertisement and Instructions to Bidders, including without limitation those dealing with the disposition of Bid security. This Bid will remain subject to acceptance for sixty (60) days after the day of Bid opening. Bidder will sign and submit the Agreement with the Bonds and other documents required by the Bidding Requirements within fifteen (15) days after the date of OWNER’S Notice of Award.
3. In submitting this Bid, Bidder represents, as more fully set forth in the Agreement, that:
 - a. Bidder has examined copies of all the Bidding Documents and of the following Addenda (receipt of all which is hereby acknowledged):

| | |
|---------|-----------|
| Date(s) | Number(s) |
| _____ | _____ |

- b. Bidder has familiarized itself with the nature and extent of the Contract Documents, Work, site, locality, and all local conditions and Laws and Regulations that in any manner may affect cost, progress, performance, or furnishing of the Work.
- c. Bidder has obtained and carefully studies (or assumes responsibility for obtaining and carefully studying) all such examinations, investigations, explorations, tests, and studies which pertain to the subsurface or physical

conditions at the site or otherwise may affect the cost, progress, performance, or furnishing of the Work as Bidder considers necessary for the performance or furnishing of the Work at the Contract Price, within the Contract Time and in accordance with the other terms and conditions of the Contract Documents, including specifically the provisions of Article 4 of the General Conditions; and no additional examinations, investigations, explorations, tests, reports, or similar information or data are or will be required by Bidder for such purposes.

- d. Bidder has reviewed and checked all information and data shown on or indicated on the Contract Documents with respect to existing Underground Facilities at or contiguous to the site and assumes responsibility for the accurate location of said Underground Facilities. No additional examinations, investigations, explorations, tests, reports, or similar information or data in respect of said Underground Facilities are or will be required by Bidder in order to perform and furnish the Work at the Contract Price, within the Contract Time and in accordance with the other terms and conditions of the Contract Documents, including specifically the provisions of Article 4 of the General Conditions.
 - e. Bidder has correlated the results of all such observations, examinations, investigations, explorations, tests, reports, and studies with the terms and conditions of the Contract Documents.
 - f. Bidder has given ENGINEER written notice of all conflicts, errors, or discrepancies that it has discovered in the Contract Documents and the written resolution thereof by ENGINEER is acceptable to Bidder.
 - g. This Bid is genuine and not made in the interest of or on behalf of any undisclosed person, firm, or corporation and is not submitted in conformity with any agreement or rules of any group, association, organization, or corporation: Bidder has not directly or indirectly induced or solicited any other bidder to submit a false or sham Bid; Bidder has not solicited or induced any person, firm, or corporation to refrain from bidding; and Bidder has not sought by collusion to obtain for itself any advantage over any other Bidder or over OWNER.
4. Bidder will complete the Work within three hundred sixty-five (365) calendar days from receipt of Notice to Proceed for the following price as indicated on the Bid Form.

BID FORM
WORCESTER COUNTY CENTRAL LANDFILL
LEACHATE FORCEMAIN and PUMP STATIONS PROJECT
WORCESTER COUNTY, MARYLAND

| ITEM NO. | ITEM DESCRIPTION | ESTIMATED QTY | UNIT | COST PER UNIT (\$) | TOTAL ITEM COST (\$) |
|----------|---|---------------|------|--------------------|----------------------|
| 1 | Mobilization and Demobilization | 1 | LS | | |
| 2 | Private Utility Locate and Test Pitting | 1 | LS | | |
| 3 | Two-Inch Forcemain Piping | 2580 | LF | | |
| 4 | Flow Meter, Vault, and Appurtenances | 1 | EA | | |
| 5 | Pump Building Pump, Motor, and Pipeworks | 1 | EA | | |
| 6 | Inline and Terminal Flushing Connection | 7 | EA | | |
| 7 | Leachate Forcemain Electrical and PLC Programming | 1 | LS | | |
| 8 | Site Stabilization and Erosion and Sediment Control | 1 | LS | | |
| 9 | Pump Station Upgrades | 4 | EA | | |
| 10 | Cell 1 Perimeter Road Repairs | 1,600 | CY | | |
| 11 | Repair of Cell 1 CMU Electrical Handhole w/ new lids. | 5 | EA | | |
| 12 | Patching and Repair of Cell 1 Wet wells | 50 | SF | | |
| | Total Bid | | | | |

TOTAL BASE BID PRICE IN WORDS:

5. The following documents are attached to and made a condition of this Bid:
- a. Required bid Security in the form of bond or cashier's check.
 - b. A tabulation of Subcontractors, Suppliers, and other persons and organizations required to be identified in this Bid.
 - c. Bidder's Qualification Statement with supporting data.

6. ~~Communications concerning this Bid shall be addressed:~~

~~Darl Kolar, P.E.~~

~~EA Engineering, Science, and Technology, Inc., PBC.~~

~~11200 Racetrack Road, Unit A101~~

~~Ocean Pines, MD 21811~~

~~(410) 641-5341~~

7. The terms used in this Bid which are defined in the General Conditions of the Construction Contract included as part of the Contract Documents have the meanings assigned to them in the General Conditions.

SUBMITTED ON _____, 2024.

If Bidder is:

An Individual

By _____ (SEAL)
(Individual's Name)

doing business at

Business Address: _____

Phone Number: _____

A Partnership

By _____ (SEAL)
(Firm Name)

(General Partner)

Business Address: _____

Phone Number: _____

A Corporation

By _____ (SEAL)
(Corporation Name)

(State of Incorporation)

By _____
(Name of Person Authorized to Sign)

(Title)

(Corporate Seal)

Attest _____ (SEAL)
(Secretary)

Business Address: _____

Phone Number: _____

A Joint Venture

By _____
(Name)

(Address)

By _____
(Name)

(Address)

(Each joint venture must sign. The manner of signing for each individual, partnership, and corporation that is a party of the joint venture should be in the manner indicated above.)

SECTION 01 20 00
MEASUREMENT AND PAYMENT

PART 1 GENERAL

1.1 DESCRIPTION

A. Scope of Work

1. The items listed in this Section refer to and are the same pay items listed on the Bid Form. They constitute all of the pay items for the completion of the Work. Compensation for all such services and materials shall be included in the prices stipulated for the lump sum and unit price pay items listed herein. Items of Work not specifically included in this Section for measurement and payment as described herein will not be measured for payment but will be considered incidental to the Contract with the associated costs borne solely by the CONTRACTOR.
2. Schedule of Values
 - a. The Schedule of Values is a list of line items, corresponding to each aspect of the Work, establishing in detail the value or cost of each major part of the Work, and is submitted to ENGINEER for acceptance.
 - b. Upon request of ENGINEER, support values with data that substantiate their correctness.
 - c. The preliminary Schedule of Values is submitted to the ENGINEER for initial review. The CONTRACTOR shall incorporate the ENGINEER's comments into the Schedule of Values and provide a re-submittal to the ENGINEER. The ENGINEER may require corrections and re-submittal of the Schedule of Values until it is acceptable.
 - d. The Schedule of Values and the Progress Schedule updates specified in Section 01 33 00, Submittals, shall be used as the basis for preparing each Application for Payment. The Schedule of Values having sufficient breakdown of materials, labor and installation costs may be used as a basis for negotiating the price of changes in the Work.
 - e. Unit price payment items with their associated quantity shall be included in the Schedule of Values. Provide in the Schedule of Values a detailed breakdown of the unit prices when required by the ENGINEER.

1.2 SUBMITTALS

A. Schedule of Values

1. The CONTRACTOR shall submit to the ENGINEER for acceptance a Schedule of Values that allocates cost to each item of the Work.
2. The Schedule of Values shall include an itemized list of Work for each major part of the Contract, for each payment item as listed in the Bid Form.
3. This schedule, when approved by the ENGINEER, shall be used as the basis for the CONTRACTOR's Applications for Progress Payments.
4. Submit the required number of copies of the Schedule of Values to ENGINEER at or before the Pre-construction meeting. The first Application for Payment will not be processed without a Schedule of Values approved by the ENGINEER.
5. When required by the ENGINEER, promptly submit an updated Schedule of Values to include cost breakdowns for changes in the Work, including Change Orders.

1.3 MEASUREMENT

Measurement shall be made in accordance with the Bid Form items and as described in the following sections.

A. Estimate of Quantities

1. The estimated quantities for unit price pay items, as listed in the Bid Form, are approximate only and are included solely for the purpose of comparison of Bids. The ENGINEER does not expressly or by implication agree that the nature of the materials encountered below the surface of the ground or the actual quantities of material encountered or required will correspond therewith, and reserves the right to increase or decrease any quantity or to eliminate any quantity as the ENGINEER may deem necessary in accordance with the Contract Documents. CONTRACTOR shall not be entitled to any adjustment in a unit bid price as a result of any change in an estimated quantity and agrees to accept the aforesaid unit bid prices as complete and total compensation for any additions or deductions caused by changes or alterations in the Work directed by the COUNTY. Increased or decreased Work involving change orders will be paid for as stipulated in the Contract Documents.

1.4 PAYMENT

- A. Payments to the CONTRACTOR shall be in accordance with Paragraph GC.14 of the General Conditions and the Agreement.
- B. Lump sum price items shall be paid for the actual percentage of Work completed as identified in the approved Schedule of Values as required in Paragraph 1.5.
- C. Unit price items shall be paid in accordance with Paragraph GC.14.c of the General Conditions and the Agreement.
- D. Payment for the Work shall be made in accordance with the Bid Form items as described in the following sections.
- E. Payment Items: The items listed in the Contract Documents refer to the pay items listed on the Bid Form. They constitute all of the pay items for the completion of the Work. Compensation for all such services and materials shall be included in the prices stipulated for the unit price and lump sum pay items listed on the Bid Form.
 - 1. Each lump sum and unit bid price will be deemed to include an amount considered by the CONTRACTOR to be adequate to cover the CONTRACTOR's overhead and profit for each separately identified item.
 - 2. No progress payments will be made by the ENGINEER until the Construction Schedule and the Schedule of Values have been submitted to and approved by the ENGINEER.
 - 3. The CONTRACTOR shall accept in compensation, as herein provided, full payment for furnishing all materials, labor, tools, equipment, and incidentals necessary to the completed Work and for performing all Work contemplated and embraced by the Contract, also for all loss or damage arising from weather or other unforeseen conditions which may be encountered during the execution of the Work and until its final acceptance by the ENGINEER, and for all risks of every description connected with the prosecution of the Work, except as provided herein, also for all expenses incurred as a result of the suspension of the Work as herein authorized.
 - 4. The payment of any partial estimate or of any retained percentage, except by and under the approved final invoice, in no way shall affect the obligation of the CONTRACTOR to repair or renew any defective parts of the construction or to be responsible for all damage due to such defects.
- F. Eliminated Items: Should any items contained in the Schedule of Values be found unnecessary for the proper completion of the Work contracted, the ENGINEER may

eliminate such items from the Contract, and such action shall in no way invalidate the Contract. No allowance will be made for payment of items so eliminated.

G. Progress Payments:

1. Percentage of Work Complete – At the end of each pay period, the CONTRACTOR’s Superintendent or other authorized representative of the CONTRACTOR shall meet with the ENGINEER and determine and agree upon the percentage of the project completed during the pay period.
2. Application for Payment – The CONTRACTOR will then prepare and submit an Application for Payment to the ENGINEER. The ENGINEER will evaluate the Application for Payment, determine the amounts owed, and issue a Recommendation of Payment in such amounts as provided in the Contract Documents. Progress payments shall be made monthly as the Work progresses. All progress invoices and payments shall be subject to correction in the final invoice and payment. The progress payment will be based on invoices prepared by the CONTRACTOR and approved by the ENGINEER for the value of the Work performed, and materials complete in place in accordance with the Contract. Retainage shall be as specified in the Contract Documents. The payment schedule shall be in accordance with the Contract Documents.

H. Final Payment: The CONTRACTOR shall make and the ENGINEER shall approve, as soon as practicable after the completion of the project, a final invoice for the amount of Work performed under the Contract and establish the value of such Work. Final payment shall be made in accordance with the Contract Documents.

1.5 MEASUREMENT AND PAYMENT OF BASE BID ITEMS

Bid Item No. 1 – Mobilization and Demobilization

This item shall include all items necessary to prepare CONTRACTOR onsite for project commencement as well as all items necessary for disassembly at project completion, requiring bonds, survey stakeout work, and any other work not specifically mentioned to start and finished the project. Measurement and Payment for Bid Item No. 1 will not be measured and shall be paid by lump sum at the Contract price.

Bid Item No. 2 – Private Utility Locate and Test Pitting

This item consists of all materials, labor, and equipment to complete all Work activities relating to performing a private utility location for underground pipes, conduits, and wires around the pump building and along the forcemain route, performing test pitting for located/marked utilities, and further subsurface exploration of any other underground feature shown on the Contract Drawings within the limit of disturbance. The Work shall include, but not be limited to, the following:

Performing the subsurface utility locate, performing the test pitting and backfilling of excavations, and coordinating with the COUNTY and ENGINEER for witnessing the found subsurface features. Measurement and Payment for Bid Item No. 2 will not be measured and shall be paid by lump sum at the Contract price.

Bid Item No. 3 – Two-Inch Forcemain Piping

This item consists of all materials, labor, and equipment to complete Work activities that include, but not be limited to, the excavation, backfilling, compaction, testing, fittings, tees, valves not associated with the flushing connections, valve boxes, connections, transition couplings, concrete pads, buttresses, and restoration of the pipe trench. Installation of the 2-inch HDPE SDR-11, the 2-inch PVC Schedule 80 forcemain piping, connection to the exiting forcemain at the project end terminus, and any other appurtenances necessary that is not associated with work until another bid item. Work shall be completed utilizing same day stabilization. CONTRACTOR shall make provisions to topsoil, seed, and install biodegradable straw matting on a daily basis. No trench shall be left open at the end of the working day. Work shall also include the pressure testing of the forcemain system from the pump building to the end terminus. Measurement and Payment for Bid Item No. 3 will be field measured by the inspector and shall be paid by the linear foot at the Contract price.

Bid Item No. 4 – Flow Meter, Vault, and Appurtenances

This item consists of all materials, labor, and equipment to complete Work activities relating to the furnishing and installation of the precast concrete water meter vault, vault frame and lid, and concrete collar, installation of isolation valving, valve boxes, and concrete collars, all necessary appurtenances, and connection to the two-inch forcemain piping. Successful testing, operation, communication of the meter shall be completed. Measurement and Payment for Bid Item No. 4 will not be measured and shall be paid by lump sum at the Contract price.

Bid Item No. 5 – Pump Building Pump, Motor, and Pipeworks

This item consists of all materials, labor, and equipment to complete Work activities relating to the furnishing and installing the pump, pump motor, pipeworks, fittings, valving, pipe stanchions, concrete pump pier, and other appurtenances within the pump building. The Work shall include, but is not limited to, the tie-in to the existing 4” ductile iron pipe, installation of 4-inch and 2-inch pipes, valving, motor operated valving, and fittings in the pump building. Pressure testing will be paid for under Bid Item No. 3 for the whole system. The Work shall also include the commissioning of the system upon completion of Contracted work. Measurement and Payment for Bid Item No. 5 will not be measured and shall be paid by lump sum at the Contract price.

Bid Item No. 6 – Inline and Terminal Flushing Connections

This item consists of all materials, labor, and equipment to complete Work activities relating to the furnishing and installation of the inline and terminal flushing connection assembly per the Details and locations identified on the Contract Drawings. Measurement and Payment for Bid Item No. 6 will be field measured by the inspector shall be paid by per each at the Contract price.

Bid Item No. 7 – Leachate Forcemain Pump Electrical and PLC Programming

This item consists of all materials, labor, and equipment to provide electrical systems. The Work shall include, but not be limited to, obtaining of all permits; raceways, conduit, wire, conductors, fittings, connections, excavation and backfill, control panel modifications, connections to plc, connections to panel boards, successful operation of the meter, motor operated valve and pump, temporary utilities; plan and shop drawing preparation; and all incidentals to complete the work in accordance with the Contract Documents. Measurement and Payment – Bid Item No. 7 will not be measured and shall be paid by lump sum at the Contract price as shown on Bid Item No. 7.

Bid Item No. 8 – Site Stabilization and Erosion and Sediment Control

This item consists of all materials, labor, and equipment to provide and maintain erosion and sediment control and stabilize the work areas. The Work shall include, but not be limited to, obtaining of all permits; completing NOI documentation, top soil, seed, fertilizer, silt fence, hay, mulch, stabilized construction entrance, and all incidentals to complete the work in accordance with the Contract Documents. Measurement and Payment – Bid Item No. 8 will not be measured and shall be paid by lump sum at the Contract price as shown on Bid Item No. 8.

Bid Item No. 9 – Pump Station Upgrades

This item consists of all materials, labor, and equipment to provide four rehabilitated pump stations. The Work shall include, but not be limited to, pumps, 1 spare pump, 316 stainless steel hardware, slide rails, 316 stainless steel ladder, floats, bubbler, wet well cleaning, disconnection of electrical and controls, reconnection of electrical and controls, all demolition outlined in the contract documents, new electrical rack, service disconnect, simplex pump controller, omnisite guard dog controller, pvc pipe, vents, valves, fittings, 316 stainless steel pipe; and all incidentals to complete the work in accordance with the Contract Documents. Measurement and Payment – Bid Item No. 9 will not be measured and shall be paid by Per Each sum at the Contract price as shown on Bid Item No. 9.

Bid Item No. 10 – Cell 1 Perimeter Road Repairs

This item consists of all materials, labor, and equipment to provide and upgraded road around cell1. The Work shall include, but not be furnishing soil import, compaction, geotextile placement, and all incidentals to complete the work in accordance with the Contract Documents. Measurement and Payment – Bid Item No. 10 will not be measured and shall be paid by Cubic Yard at the Contract price as shown on Bid Item No. 10.

Bid Item No. 11 – CMU Electrical Handhole Repairs

This item consists of all materials, labor, and equipment to provide CMU block repairs, pointing, new joints, replacement of CMU, leveling, installation of a new fabricated lid and all incidentals to complete the work in accordance with the Contract Documents. Measurement and Payment – Bid Item No. 11 will not be measured and shall be paid by lump sum at the Contract price as shown on Bid Item No. 11.

Bid Item No. 12 – Patching and Repair of Cell 1 Wet Wells

This item consists of all materials, labor, and equipment to patch and repair existing ladder holes, pipe/conduit penetrations, and other miscellaneous damage found upon the cleaning of the four Cell 1 fiberglass wet wells. Measurement and Payment – Bid Item No. 12 will be measured and shall be paid by the square foot at the Contract price as shown on Bid Item No. 12.

PART 2 PRODUCTS

Not used.

PART 3 EXECUTION

Not used.

**** End of Section ****