

Morell Engineering, Inc.
711 East Hobbs St.
Athens, AL 35611
256-867-4957
APRIL 3, 2023

ADDENDUM NO. 1

PROJECT NO.: 23-0047
OWNER: Limestone County Water and Sewer Authority
PROJECT: Elkmont Regional Pump Station and Gravity Sewer

BID DATE: April 12, 2023
TO: ALL PROSPECTIVE CONTRACTORS

The changes, modifications, and/or additions covered by and set forth in this Addendum No. 1 shall become part of and be incorporated in the Contract Documents for the above referenced project:

SPECIFICATIONS TO BE REVISED BY ADDENDUM:

- AD1.1 PROPOSAL FORM
1. PROPOSAL FORM – Replace Proposal Form in its entirety with the attached revised proposal form.

SPECIFICATIONS TO BE ADDED BY ADDENDUM:

- AD1.2 APPENDIX A – GEOTECHNICAL REPORT FOR BORE AT PUMP STATION SITE
1. Geotechnical report by Morell Engineering performed at pump station location on March 10, 2023.
- AD1.3 APPENDIX B – PROPOSED SUBCONTRACTOR FORM

This Addendum No. 1 shall be attached to the front of your set of specifications and made a part of the Contract Documents. Receipt of this Addendum No. 1 shall be acknowledged on Page 3 of the Proposal Form.

Morell Engineering, Inc.

By 
Ben Duncan, P.E.

PROPOSAL FORM

MADE BY _____

ADDRESS _____

TO: Limestone County Water and Sewer Authority

The undersigned, as Bidder, proposes and agrees, if this Bid is accepted, to enter into a Contract with Limestone County Water and Sewer Authority Limestone County, Alabama, in the form of Contract specified and shown in the attached Contract Documents, to furnish all necessary materials, equipment, machinery, tools, apparatus, means of transportation, and labor necessary to complete the construction of a Elkmont Regional Pump Station and Gravity Sewer, 21-0261 as described in the Advertisement for Bids, and in the Contract Documents, which are hereby referred to and made a part of the same extent as if fully set out herein, and in full and complete accordance with the shown, noted, described and reasonably intended requirements of the Contract Documents, to the full and entire satisfaction of the Owner, with a definite understanding that no money will be allowed for extra work except as set forth in the attached Instructions to Bidders, General Conditions, and other Contract Documents, based on the following pricing:

ITEM	DESCRIPTION	QTY	UNIT	UNIT PRICE	AMOUNT
1	Mobilization/Demobilization Allowance	1	LS	\$7,500.00	\$7,500.00
2	Sanitary Sewer Lift Station, As Described in the Contract Documents, Furnished and Installed	1	LS		\$
3	8" PVC Pipe, SDR 26, Push-On Joint, (4' - 8' cut) Furnished and Installed	453	LF		\$
4	6" PVC Pipe, SDR-21, Furnished and Installed	1713	LF		\$
5	6" PVC Pipe, SDR-21, Creek Crossing, Furnished and Installed	40	LF		\$
6	4' Diameter Precast Manhole Base Section, Furnished and Installed	2	EA		\$
7	4' Diameter Precast Manhole, Riser Section, Furnished and Installed	20	LF		\$
8	Standard Manhole Ring and Cover, Furnished and Installed	2	EA		\$
9	Cleanout Assembly, Furnished and Installed	1	EA		\$
10	Air Release Valve Assembly, Furnished and Installed	1	EA		\$

ITEM	DESCRIPTION	QTY	UNIT	UNIT PRICE	AMOUNT
11	1" Sch. 80 PVC Water Service, Furnished and Installed	900	LF		\$
12	Connection to Existing System	2	EA		\$
13	Record Survey	1	LS		\$
14	Clearing and Grubbing	2	ACRE		\$
15	Lift Station Access Road, Furnished and Installed	1250	SY		\$
16	Erosion Control Measures, Furnished and Installed	1	LS		\$
17	Excavation of Unsuitable Materials and Disposing Off-Site	500	CY		\$
18	Backfilling of Unsuitable Materials with Suitable Soils	500	CY		\$

TOTAL BASE BID \$

BASE BID: For construction complete as shown and specified in table above, the sum of

Dollars

(\$_____).

ITEM	DESCRIPTION	QTY	UNIT	UNIT PRICE	AMOUNT
1	Mobilization/Demobilization Allowance	1	LS	\$7,500.00	\$ 7,500.00
2	8" PVC Pipe, SDR 26, Push-On Joint, (8' - 12' cut) Furnished and Installed	496	LF		\$
3	8" PVC Pipe, SDR 26, Push-On Joint, (4' - 8' cut) Furnished and Installed	478	LF		\$
4	4' Diameter Precast Manhole Base Section, Furnished and Installed	5	EA		\$
5	4' Diameter Precast Manhole, Riser Section, Furnished and Installed	42	LF		\$
6	Standard Manhole Ring and Cover, Furnished and Installed	5	EA		\$
7	Connection to Existing System	1	EA		\$
8	Demolish Existing Lift Station, Valves, Piping and Electrical	1	LS		\$
9	Record Survey	1	LS		\$

TOTAL ADD ALTERNATE No.1 \$

ADD ALTERNATE No. 1: For construction complete as shown and specified in table above, the sum of

Dollars

(\$_____).

ADDENDA: The Bidder acknowledges receipt of Addenda Nos. _____, _____, _____,

The award of the Contract will be based on the total/sum of the base bid price and the alternates (if any) selected by the Owner. The Owner will receive bids and all pricing will be read aloud, but the project will not be awarded until the bids are evaluated and a determination is made on which alternates are selected. Once the Alternates have been selected, the final bid amount will be calculated (base bid price plus adjustments for any alternate selected) for each bid submitted, and if an award is made, the project will be awarded to the responsive bidder with the lowest final bid amount.

The Bidder declares that he/she has examined the site of the work, and has familiarized himself/herself with the existing and proposed/new facilities (including the location, nature, sizes/dimensions, current and intended future use, etc.). The Bidder declares that he/she has fully informed himself/herself of conditions that would affect the proposed work, that, prior to the

tender of his/her bid, he/she has examined the Contract Documents for the work and has read all special instructions and provisions contained in the Documents, and that he/she has satisfied himself/herself with respect to the quality and extent of work to be performed. The Bidder declares that the firm, the project manager and the superintendent are qualified and meet or exceed the experience requirements as outlined in the Instructions to Bidders and/or elsewhere in the Contract Documents.

The Bidder declares that he/she understands that, when quantities of work for which unit price bids are requested in the Proposal, such quantities are approximate only and are subject to either increase or decrease, that, should the quantities of any of the work items be increased, the Bidder proposes to perform the additional work at the unit prices bid by him, that, should the quantities of any of the work items be decreased, payment will be made only for the actual quantities of work performed and such payment will be based upon the unit prices bid by him/her, and that he/she shall make no claim for profits anticipated on the decrease in quantities of work. Actual quantities will be paid for as the work progresses, in accordance with the provisions of the Contract Agreement, and such quantities shall be subject to final measurements and determinations made upon completion of the work.

The Bidder understands that the Owner reserves the right, in the Owner's discretion, to reject any or all bids, to waive any informality in any bid, and to accept any bid considered to be advantageous to the Owner.

The Bidder agrees that his/her bid shall be valid for a period of sixty (60) calendar days after the date set for receipt of bids, and shall not be withdrawn for a period of sixty (60) calendar days after the date set for receipt of bids.

The Bidder has attached hereto a Bid Bond executed by a Surety Company authorized to do business in the state in which the project is located (with valid Power-of-Attorney attached), or a cashier's check drawn on a bank in the state in which the project is located, in favor of (made payable to) Limestone County Water and Sewer Authority, the amount of 5% of the bid amount (total), but in no event more than \$10,000.

The Bidder agrees that, should he/she be notified that his/her Bid on the work has been accepted, he/she will, within ten (10) days from receipt of such notice, execute the formal Contract Agreement bound herein, and will furnish with the Contract evidence of Insurance Coverage of his/her construction operations and all of his/her operations associated with the project, all in accordance with the requirements of the General Conditions.

The Bidder further agrees that, in case of failure on his/her part to execute said Contract Agreement, and to furnish all Bonds required by the Contract Documents, within ten (10) consecutive calendar days after receipt of notice of award of Contract to him, the monies payable to the Obligee of his/her Bid Bond, in accordance with the terms and conditions of the Bond, shall be paid to the Owner as liquidated damages for the delay and additional expense to the Owner caused by such failure on the part of the Bidder.

The Bidder hereby agrees that, should the work under the Contract be awarded to him/her, he/she will commence work under this Contract on or before a date to be specified in written

"Notice to Proceed" given by the Owner, and that he/she will achieve Substantial Completion of the Contract within 240 consecutive calendar days following the Notice to Proceed, and will achieve Final Completion of the Contract within 270 consecutive calendar days following the Notice to Proceed. The Bidder agrees to pay, as liquidated damages, the sum of \$1,000.00 for each consecutive calendar day after the date set for Substantial Completion of the work until such time as Substantial Completion has been achieved. Once Substantial Completion has been achieved, the Bidder will not be assessed additional liquidated damages unless and until he/she fails to meet the Final Completion Date. If the Bidder fails to meet the Final Completion date, then he/she agrees to pay, as liquidated damages, the sum of \$500.00 for each consecutive calendar day after the date set for Final Completion of the work, all as provided in the General Conditions. At no time shall the Bidder pay more than \$1,000.00 per calendar day for liquidated damages. The Bidder agrees that, once the Substantial and/or Final Completion dates have passed, the Owner/Engineer will begin deducting liquidated damages from the monthly progress payments. The Bidder further agrees that he/she will not make any claim for extra compensation should completion of work under the Contract be effected in advance of the time specified hereinabove.

[Continues on next page]

The undersigned Bidder states that he/she fully understands the meaning of "low, responsive, responsible Bidder", as defined in these Documents, and that these criteria will be applied in the evaluation of this Bid.

The undersigned, as Bidder, hereby declares that the name (or names) of the only person (or persons) interested in this Proposal, as principal (or principals), is (or are) as herein below set out and that no person other than that (or those) herein below stated has any interest in this Proposal, or in the Contract to be entered into; that this Proposal is made without connection with any other person, firm or corporation making a proposal; and that it is in all respect fair and in good faith, without collusion or fraud.

Following are the names and addresses of all persons, firms, and corporation interested in the foregoing bid:

(Type or Print Name and Address of Firm)

(Type or Print Contractor License No.)

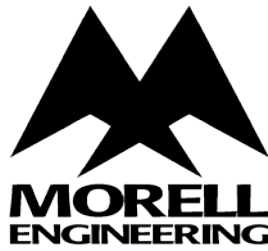
(Type or Print Name and Title of Officer/Legal Representative of Firm Submitting Bid)

(Signature of Officer/Legal Representative of Firm Submitting Bid)

(Type or Print Date)

APPENDIX A

GEOTECHNICAL REPORT



March 20, 2023

Mr. Steve Wallace
Limestone County Schools
300 South Jefferson Street
Athens, Alabama 35611

Subject: Report of Soil/Rock Core Boring Drilling
Elkmont Elementary Pump Station
Elkmont, Alabama

Dear Mr. Wallace,

Morell Engineering has completed a soil/rock core boring for the planned Elkmont Elementary Pump Station project, located in Elkmont, Alabama. Boring B-101 was performed near the planned pump station location on March 10, 2023 by South Brothers Drilling using a CME 45 drill rig, fitted with an automatic hammer. At the boring location, soil samples were initially retrieved at standard sampling intervals by driving a split-tube sampler. The borehole was first advanced to the sample depth by augering, and the sampling tools were placed in the open hole. The sampler was then driven into the ground 18 inches by blows from a 140-pound hammer falling 30 inches. The number of blows required to drive the sampler each 6-inch increment was recorded. The initial increment is considered the "seating" blows, where the sampler penetrates any loose or disturbed soil in the bottom of the borehole. The blows required to penetrate the final two increments are added together, and referred to as the Standard Penetration Test (SPT) N-Value. The N-Value, when properly evaluated, gives an indication of the soil's strength and ability to support structural loads. Many factors can affect the SPT N-Value, so this result should not be used exclusively to evaluate soil conditions. After encountering refusal at the boring location, refusal materials (i.e., bedrock) were explored using diamond core (NQ) drilling techniques. Cylindrical cores of rock, approximately 2 inches in diameter, were drilled and recovered using a hollow steel core barrel fitted with a coring bit.

Soil samples retrieved from the boring were labeled and stored in plastic bags at the jobsite before being transported to our laboratory for classification. The soil samples were visually examined by a member of our engineering staff in order to provide soil descriptions and classifications in general accordance with ASTM D2488, *Standard Practice for Description and Identification of Soils (Visual-Manual Procedure)*. Pocket penetrometer tests were also performed on the cohesive soil samples, where possible. The pocket penetrometer provides an estimate of the soil's unconfined compressive strength (Q_u). The pocket penetrometer data is presented as Q_u in units of tons per square-foot (tsf) on the attached boring log.

Rock core samples retrieved from the boring location were placed in a sample box before being transported to our laboratory for classification and analysis. A member of our engineering staff classified the rock and



measured the recovery (REC) and Rock Quality Designation (RQD). A photograph of the recovered rock core is presented later in this report. A boring log summarizing the subsurface conditions at the boring location was prepared by a member of our engineering staff and is attached to this report.

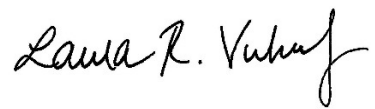
Boring B-101 initially encountered a layer of topsoil that was approximately 4 inches thick. Beneath the topsoil, the boring encountered residual soils which consisted of very soft to firm silts and elastic silts to a depth of about 8 feet. Very dense weathered rock was then encountered from about 8 feet to 10 feet. Refusal was encountered in the boring at this 10-foot depth. Upon encountering refusal, refusal materials (i.e., bedrock) were cored from the boring until reaching a termination depth of 20 feet. The refusal materials generally consisted of gray, fine-grained, thinly- to thickly-bedded, hard limestone that contained interbedded shale seams and partings. Table 1 lists the recovery and Rock Quality Designation (RQD) values for each core run, and a photograph of the rock core samples is presented below.

Table 1: Rock Core Recovery and RQD Values				
ID	Run Depth (feet)	Recovery (%)	RQD (%)	Rock Quality Designation
B-101	10 to 15	97	90	Good
	15 to 20	92	84	Good



Please let us know if you have any questions regarding this report.

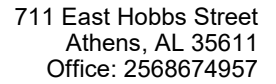
Respectfully submitted,

A handwritten signature in black ink, reading "Laura R. Vukosavljevic". The signature is fluid and cursive, with the first name "Laura" being more prominent.

Laura R. Vukosavljevic, P.E.
Geotechnical Engineer
Morell Engineering, Inc.

Attachments: Boring Log





Sheet 1 of 1

Project Location: Elkmont, Alabama
Date Drilled: 3/10/23
Weather Conditions: Fair
Surface Elevation:
Drilling Contractor: South Bros. Drilling, Inc.
Logged By: LRV

SOIL BORING LOG B-101.GPJ MORELL ENGINEERING.GDT 3/20/23

N-VALUE	STANDARD PENETRATION RESISTANCE (AASHTO T-206)
% MOISTURE	PERCENT NATURAL MOISTURE CONTENT
\bar{z}	GROUNDWATER LEVEL IN THE BOREHOLE
Qu	UNCONFINED COMPRESSIVE STRENGTH ESTIMATE FROM POCKET PENETROMETER TEST

REC RECOVERY
RQD ROCK QUALITY DESIGNATION
UD UNDISTURBED

APPENDIX B

REQUEST FOR PERMISSION TO SUBLET WORK

PROPOSED SUBCONTRACTORS FORM

LIMESTONE COUNTY WATER AND SEWER AUTHORITY ELKMONT REGIONAL PUMP STATION AND GRAVITY SEWER

Contractors submitting a proposal are required to fully complete the following List of Subcontractors for their bid. Excluding portions of the work completed by the electrical subcontractor, General Contractors shall perform at least 50 percent of the work (materials not included) with his own forces (refer to Contract Documents).

Contractors submitting a proposal are required to list in the spaces provided the name of each of the subcontractors they will use if awarded the Contract. No substitutions will be allowed without approval of the Owner. The Bidder shall list the names of major subcontractors. If all the information is not provided with the bid, this will be grounds for the Owner to disqualify the Bidder for not being responsive.

ITEM OF WORK

SUBCONTRACTOR'S NAMES

Directional Drilling

Electrical

Other: _____

Other: _____

Note: If the Contractor will not use a subcontractor for an Item of Work, he shall write "None" in the blank for the Subcontractor for that Item of Work.

If the Bidder does not write in the name of a Subcontractor, he shall submit with his bid detailed evidence satisfactory to the Engineer that he has sufficient personnel experienced in that trade on his full time staff to perform that item of work on this project. Failure to submit such satisfactory evidence with the Bid, or the submission of inaccurate, misleading, or incorrect information, will be grounds for the Owner to disqualify the Bidder for not being responsive.

The Bidder certifies that if his bid is accepted, the above subcontracting firms or businesses will be awarded subcontracts for the above portions of the work and the subcontract amount will not exceed 50% of the work (materials not included).

Contractor _____

By _____

Date _____

THIS IS THE LAST PAGE

Attachments to Addendum No. 1 preceding this page:

A total of 14 (including this page) have been included in Addendum No. 1.

All Prospective Bidders and Suppliers are requested to return this page as an acknowledgment that you have received this Addendum by e-mail. This will NOT be mailed. A copy of this Addendum may be picked up at the office of the Engineer.

Received By_____

Contractor_____

Date_____