

<p align="center">LEXINGTON-FAYETTE URBAN COUNTY GOVERNMENT CONTRACT CHANGE ORDER Page 1 of 2</p>	Date:	June 15, 2022	
	Project:	Investigation/Design Services for Town Branch WWTP Scum Facilities Improvement Project	
	Location:	Town Branch WWTP	
<p>To (Consultant): Strand Associates, Inc. 1525 Bull Lee Road Lexington, KY 40511</p>	Contract No.	248-2019	
	Original Contract Amt.	\$215,000.00	
	Cumulative Amount of Previous Change Orders	\$0.00	
	Percent Change - Previous Change Orders		0.00%
	Total Contract Amount Prior to this Change Order	\$215,000.00	
	Change Order No.	1	

You are hereby requested to comply with the following changes from the contract plans and specification;

Current Change Order

Item No.	Description of changes-quantities, unit prices, change in completion date, etc.	Decrease in contract price	Increase in contract price
1	Additional meetings to coordinate design. The project was caught in some delays during COVID.		\$5,000.00
2	The addition of a retaining wall was necessary and became evident during the beginning of the design.		\$2,000.00
3	During design it was found a small pump station needed to be designed instead of being able to drain to an existing structure.		\$8,000.00
4	One-year project delay for re-review and re-staffing of the project before bidding.		\$4,000.00
5	Increased design complexity for structural and site design. The design is for custom designed roof with removable sections that equipment can be removed and serviced in the future.		\$30,000.00
6	During excavation the contractor uncovered soft soils not identified in the boring logs. Two options of remediation were priced with drilled shafts being the most economical. This increase is for additional structural design and reviews.		\$11,000.00
	Total decrease	\$0.00	
	Total increase		\$60,000.00
	Net Amount of this Change Order	\$60,000.00	
	New Contract Amount Including this Change Order	\$275,000.00	
	Percent Change - This Change Order		27.91%
	Percent Change - All Change Orders		27.91%

The time provided for the completion in the contract and all provisions of the contract will apply hereto.

Recommended by _____ (Proj. Engr.) Date _____
 Accepted by _____ (Consultant) Date _____
 Approved by *[Signature]* (Director) Date *6-22-22*
 Approved by *Nancy Albright* (Commissioner) Date *6/22/22*
 Approved by *[Signature]* (Mayor or CAO) Date *7/26/2022*

**LEXINGTON-FAYETTE URBAN COUNTY
GOVERNMENT CONTRACT CHANGE ORDER**
Page 1 of 2

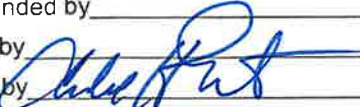

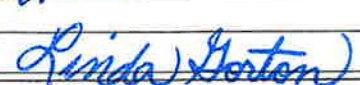
Date:	June 15, 2022	
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	Net Amount of this Change Order	\$60,000.00		
	New Contract Amount Including this Change Order	\$275,000.00		
	Percent Change - This Change Order			27.91%
	Percent Change - All Change Orders			27.91%

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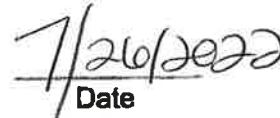
Recommended by _____ (Proj. Engr.) Date _____
 Accepted by  (Consultant) Date _____
 Approved by  (Director) Date 6-22-22
 Approved by _____ (Commissioner) Date _____
 Approved by  (Mayor or CAO) Date 7/26/2022

JUSTIFICATION FOR CHANGEPROJECT: Investigation/Design Services Town Branch WWTP Primary Digester
Complex Improvements

CONTRACT NO. 58-2015

CHANGE ORDER: 1

1. Necessity for change: Increase in design cost for project delays/coordination during COVID and additional items identified during the design. Another design increase became necessary after finding soft soil. Official letter from Strand is attached for back-up.
2. Is proposed change an alternate bid? ___ Yes No
3. Will proposed change alter the physical size of the project? ___ Yes No
If "Yes", explain.
4. Effect of this change on other prime contractors: N/A
5. Has consent of surety been obtained? ___ Yes Not Necessary
6. Will this change affect expiration or extent of insurance coverage? ___ Yes No
If "Yes", will the policies be extended? ___ Yes ___ No
7. Effect on operation and maintenance costs: N/A
8. Effect on contract completion date: None

_____
Mayor

Date

LEXINGTON-FAYETTE URBAN COUNTY GOVERNMENT CONTRACT CHANGE ORDER	DATE:	June 15, 2022
	Contract Modification:	1
	CONTRACT #:	248-2019

PROJECT: Investigation/Design Services for Town Branch WWTP Scum Facilities Improvement Project

TO: Strand Associates, Inc, 651 Perimeter Drive, Suite 220, Lexington, KY 40517

Original Contract Amount	\$215,000.00
Cumulative Amount of Previous Contract Modifications	\$0.00
Percent Change of Previous Contract Modifications	0%
Existing Contract Amount	\$215,000.00
Net (increase/decrease) in Contract Amount - (From following pages)	\$60,000.00
Percent Change of This Contract Modification	28%
Original Contract Amount	\$215,000.00
Cumulative Amount of all Contract Modifications	\$60,000.00
Percent Change of all Contract Modifications	28%
New Contract Amount Including this Change Order	\$275,000.00

Recommended by Tiffany R (Proj. Engr.) Date 6/21/22

Accepted by Elyse Dient (Consultant) Date 6-21-22

Accepted by _____ (Contractor) Date _____

Approved by _____ (Director) Date _____

Approved by _____ (Commissioner) Date _____

Approved by Linda Gorton (Mayor or CAO) Date 7/26/2022

LEXINGTON-FAYETTE URBAN COUNTY GOVERNMENT
CONTRACT MODIFICATION

DATE: June 15, 2022
 Contract Mod #: 1
 CONTRACT #: 248-2019

Project: Investigation/Design Services for Town Branch WWTP Scum Facilities Improvement Project

TO: Strand Associates, Inc, 651 Perimeter Drive, Suite 220, Lexington, KY 40517

You are hereby requested to comply with the following changes from the contract plans and specifications;

Item No.	ADD / DEL	Description of changes	Units	Quantity	Unit Price	Decrease in contract price	Increase in contract price
1	DEL		LS	1		\$ -	\$ -
1	ADD	Additional meetings to coordinate design. The project was caught in some delays during COVID.	LS	1		\$ -	\$ 5,000.00
2	ADD	The addition of a retaining wall was necessary and became evident during the beginning of the design.	LS	1		\$ -	\$ 2,000.00
3	ADD	During design it was found a small pump station needed to be designed instead of being able to drain to an existing structure and then being pumped.	LS	1		\$ -	\$ 8,000.00
4	ADD	One-year project delay for re-review and re-staffing of the project before bidding.	LS	1		\$ -	\$ 4,000.00
5	ADD	Increased design complexity for structural and site design. The design is for custom designed roof with removable sections that equipment can be removed and serviced in the future.	LS	1		\$ -	\$ 30,000.00
6	ADD	During excavation the contractor uncovered soft soils not identified in the boring logs. Two options of remediation were priced with drilled shafts being the most economical. This increase is for additional structural design and reviews.	LS	1		\$ -	\$ 11,000.00
7						\$ -	\$ -
8						\$ -	\$ -
9						\$ -	\$ -
Total decrease						\$ -	
Total increase							\$ 60,000.00
Net (increase) in contract price							\$ 60,000.00

JUSTIFICATION FOR CHANGE

Investigation/Design Services for Town
Branch WWTP Scum Facilities
Improvement Project

PROJECT:

CONTRACT NO.

248-2019

CHANGE ORDER:

1

1. Necessity for change: Increase in design cost for project delays/coordination during COVID and additional items identified during the design. Another design increase became necessary after finding soft soil. Official letter from Strand is attached for back-up.
2. Is proposed change an alternate bid? ___Yes ___X No
3. Will proposed change alter the physical size of the project? ___Yes ___X No
If "Yes", explain.
4. Effect of this change on other prime contractors: N/A
5. Has consent of surety been obtained? ___Yes ___X Not Necessary
6. Will this change affect expiration or extent of insurance coverage? ___Yes ___X No
If "Yes", will the policies be extended? ___Yes ___No
7. Effect on operation and maintenance costs: N/A
8. Effect on contract completion date: N/A

Linda Gorton

Mayor

Date

7/26/2022



Strand Associates, Inc.®
651 Perimeter Drive, Suite 220
Lexington, KY 40517
(P) 859.225.8500

June 3, 2022

Ms. Tiffany Rank
Lexington-Fayette Urban County Government
301 Lisle Industrial Avenue
Lexington, KY 40511

Re: Town Branch Scum Facilities Improvement Project
City of Lexington, Kentucky

Dear Tiffany,

This letter formalizes Strand Associates, Inc.®'s (Strand) total request to date for additional engineering fees related to the Town Branch Scum Facilities Improvement project. As we have discussed recently, there were design changes that resulted in additional engineering services. The letter will reiterate all requested changes though, as you know, several have been discussed and verbally agreed to over the past months during the project.

On November 9, 2020, Mark Sneve from Strand first reached out to you regarding changes that resulted in additional engineering fees. The total that was discussed and verbally agreed to at that time was \$19,000. The following summarizes the components that made up this additional fee:

1. \$5,000 for Lexington-Fayette Urban County Government (Owner) coordination meetings during the Preliminary Engineering Phase of the project. Seven total meetings were required to get Owner's staff input on the project resulting in a better project.
2. \$2,000 for additional design required for the retaining wall design to accommodate the hauled waste dumpster. It was originally thought that the existing wall could be used but, based on the agreed upon layout, this was not the case.
3. \$8,000 for the design of the pump station for delivering drainage from the hauled waste receiving system to the Wolf Run force main. Strand's proposal planned to deliver the effluent to the drain pump station or the primary clarifiers.
4. \$4,000 for a one-year project delay because of having to construct the new facility on space occupied by the electrical and odor control facilities being abandoned in the aeration project. This cost results from having to re-review project documents before bidding to update Specification references and bring the front-end documents up to date plus re-staffing the project.

Based on Strand's positive discussions of these fees with you, Strand has proceeded through the project in good faith that there should be no further hurdles to gaining approval on this portion of the amendment, herein referred to as Part 1.

In Spring 2021, Mike Davis from Strand met with you to follow up on Part 1 of the amendment as described previously. At that time, Mike also began discussing with you an additional part of the amendment request we can call Part 2. Part 2 of the amendment request is related to the additional design that was required to accommodate the options chosen by Owner for the structure layout and function of the system on the site. The original Request for Proposal assumed the equipment chosen would fit on the site with little changes to the site design, and structural work would be limited to a hoist and

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Ms. Tiffany Rank
Lexington-Fayette Urban County Government
Page 2
June 3, 2022

premanufactured structure to cover the equipment. What was decided upon was a depressed structure slab that required full retaining walls all around the structure, multiple stair and landings to gain access down into the structure, and a custom designed roof to cover the structure. The custom designed roof is removable in portions so that equipment can be removed by crane in the future. The more complicated structure resulted in an additional \$10,000 for structural design past what was assumed in the proposal and an additional 10 sheets to the drawing set, which equates to \$10,000 in detailing effort for a total of \$20,000.

The site design effort for the final configuration of the structure on the site resulted in \$10,000 related to detailed survey, site grading, and storm sewer routing to accommodate the design. Strand's total request for Part 2 of the amendment is \$30,000 for increased complexity of the structural and site design.

Finally, Part 3 of Strand's request is driven by the most recent construction development of uncovering soft soils at the structure bearing elevation. Based on the soil borings, it was thought that the structure would be sitting on rock at bearing level. Instead, soft soils have been found at this location. Dugan and Meyers (Contractor) removed several large, flat boulders that the geotechnical boring must have hit causing the thought that the structure would be sitting on rock.

Contractor priced two options for remediating the situation, and the more economical option was to support the slab structure on drilled shafts. The options were discussed with you before proceeding and it was agreed that the drilled shafts appeared to be the more economical option. Strand's team spent \$6,000 for this option, which included meeting with Contractor and geotechnical engineer, structural design and detailing of drilled shafts, review of shop drawings for drilled shafts, and project management time spent on coordination.

This option will cause Contractor an approximate one-month delay to the project. Strand's monthly fee for construction administration for this project is \$8,000. Given that there will be less activity during the month of delay, Strand is requesting \$5,000 for the construction delay. Altogether, Part 3 of Strand's fee request totals \$11,000.

Strand's total fee request, covering all three parts as described in this letter, is \$60,000. As detailed, the two earlier requests have been in discussion for some time, but as no formal amendment has yet been written, Strand is requesting that this now occur so that billing for the project can resume. As you know the engineering services have billed out to the full Contract at this point and it is necessary to move forward with processing this amendment to continue the work. Please let us know whether any additional information is required. The assumption is that the older requests have been vetted, but if anything additional is needed, do not hesitate to call. Thank you for your consideration, Strand looks forward to successfully completing this project with you.

Sincerely,

STRAND ASSOCIATES, INC.®

Elizabeth A. Dienst, P.E.

Enclosures