



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

EAD c:\strand.com\projects\LEX\2800-2899\2815\048\Correspondence\Owner\Rank Letter 060322.docx

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