

December 3, 2018

Mr. Gregory S. Lubeck, PE, CFM  
Stormwater Section Manager  
Department of Environmental Quality & Public Works  
Division of Water Quality  
125 Lisle Industrial Road  
Lexington, KY 40511

RE: Proposal for Professional Services  
WGPL Green Infrastructure Project

Mr. Lubeck:

Banks Engineering is pleased to submit this revised proposal for surveying and engineering services related to the proposed green infrastructure improvements (bioswales and bioretention) in the WGPL neighborhood. This proposal is based on recommendations for improvements in the WGPL Storm Sewer Project, and at your direction we are dividing the storm sewer and green infrastructure into two separate construction projects. Construction bids are currently being solicited for the storm sewer project, and this proposal includes the work necessary to provide the final design, bidding, and construction services for the green infrastructure project.

We will be assisted by the same team completing the Southland Area Drainage Study and WGPL Storm Sewer Improvements Project, with significant assistance from Third Rock Consultants. Strand Associates and 2020 Land Surveying will have more limited roles in this project. In accordance with our recent discussions we propose to complete the following work elements for this project:

1. Complete final designs for the proposed bioretention basin (note: compensation for most of the design effort was included in the WGPL Storm Sewer Project fees; compensation included in this scope item relate to minor updates to the previous designs to incorporate the final storm sewer designs, and compilation of plan sheets independent of the storm sewer project.)
2. Prepare a Stormwater Pollution Prevention Plan (SWPPP) for this project (a revision of the storm sewer project's SWPPP).
3. Prepare applicable notes, details, and an opinion of probable cost.
4. Conduct preliminary and final design review meetings.
5. Prepare contract documents and final deliverables suitable for bidding.

6. Provide bidding and construction services:
  - a. Coordinate the bid advertisement, review submitted bids, prepare a bid tabulation, and submit a recommendation for award of the project.
  - b. Respond to bidders' questions, prepare addenda, and conduct a pre-bid meeting.
  - c. Conduct preconstruction and progress meetings (including 5 construction site meetings at requested times).
  - d. Review shop drawings.
  - e. Prepare record drawings, including a post-construction topographic survey of the bioretention area.
  - f. Update the hydraulic model of the Wolf Run watershed to incorporate the new construction (included in the original WGPL fees).
  
7. Additional hydraulic modeling including updates and modifications to the area-wide SASD hydraulic model to support the review of alternatives concepts in other project areas as directed by LFUCG. This work is estimated at 24 hours of modeling time and a review meeting for a fee of \$4,300 (included in the total below).

We propose to complete the surveying, designs, bidding, and construction administration for this project for a lump sum fee of thirty-nine thousand eight hundred dollars (\$39,800). Thank you for considering our proposal to complete this important project. If you have any questions or need additional information, please contact me at your convenience.

Very truly yours,  
**Banks Engineering, Inc.**



John B. Steinmetz, P.E.  
Senior Engineer

Project #18161