



# WGLA Engineering, PLLC

Civil Engineering & Land Planning

March 19, 2015

Mr. Marcus A. Jones, P.E.; County Engineer  
Henderson County  
1 Historic Courthouse Square, Suite 6  
Hendersonville, NC 28792

RE: Seven Falls Bond Project  
Revised Scope of Work and Proposal  
WGLA# 10186

Dear Mr. Jones:

As you know, we executed a contract with the County to assist with the engineering, bidding and construction assistance associated with the Seven Falls Bond project. Below is a summary of the scope of the work and fees associated with that agreement (dated October 2012):

a. Road System Improvements	\$33,000.00
b. Water System Improvements	\$35,000.00
c. Sanitary Sewer Collection	\$40,000.00
d. Wastewater Treatment	\$38,000.00
TOTAL	\$146,000.00

To date we have assisted the County in the management of the site stabilization project which was not included in the original scope of work. We also worked with the County to update the road system plans and to solicit bids for that work. That scope of work was included in item a. listed above.

Recently we learned that the US Army Corps of Engineers and NC Division of Water Resources will require a new individual 401 and 404 permit to be issued related to the stream and wetland impacts on the bonded Seven Falls site. Also, the sedimentation and erosion control plan previously approved by Henderson County cannot be used by the County to complete the bonded improvements, so a new permit for this work will have to be secured from NCDENR. Finally, a post-construction stormwater permit will likely be required for this project.

As a result, we are proposing to eliminate the scope of work described above and are presenting a revised scope of work moving forward to address the permitting issues. We have also discussed the fact that it is unlikely sufficient funds will be available to complete all components of the project. Therefore, completing the work in a phased approached seems to be the best course of action.

We are offering the following updated scope of work and associated fees engineering services, environmental permitting, and bidding assistance for the road improvements. Once final permitting has been completed and bids are received for the road improvements, we assume an updated budget would be presented to the Court for their approval.

**TASK 1 – COE and DWR Individual Permitting**

Wetland/Stream Assessment (CEC)	\$4,500.00
NC DWR Stream Remediation Plan (CEC)	\$6,500.00
Individual Permitting Application & Coord. (CEC)	\$9,000.00
Meeting, Response to Comments, etc (CEC)	\$8,000.00 (hourly budget)
TVA Coordination (CEC)	\$1,500.00 (hourly budget)
Engineering Coordination & Support (WGLA)	\$7,500.00 (hourly budget)
Threatened & Endangered Species Survey (CEC)	\$3,500.00 (if required)
Cultural Resources Services (TRC Solutions)	\$10,000.00 (if required)
Permit Fees	\$12,000.00 (budget)
<b>TOTAL</b>	<b>\$62,500.00</b>

**TASK 2 – Sediment & Erosion Control/Stormwater Permitting**

Drawings, Permit Submittals & Coord (WGLA)	\$10,000.00
Permit Fees	\$3,000.00 (budget)
<b>TOTAL</b>	<b>\$13,000.00</b>

**TASK 3 – Updated Drawings, Re-bidding Roadway Improvements, Const Assistance**

Update Drawings to Reflect Permit Comments	\$5,500.00
Bidding Assistance	\$5,000.00
<b>TOTAL</b>	<b>\$10,500.00</b>

**Total through Task 3 (Roadway Bidding) \$86,000.00**

WGLA will assist the County with developing a project construction budget following the bidding for the road improvements. At that time we can provide a budget for the construction assistance/administration as well as design, permitting and other services related to water system improvements, sewer collection and wastewater treatment.

**Exclusions**

This proposal does not include providing the following services:

- Surveys (as-builts, location, etc)
- Flood Studies
- Architectural Design
- Landscape Design
- Turning lanes or other off-site improvements (not described above)
- Permit Fees
- Retaining Wall Design
- Geotechnical or Soils Investigations
- Cultural Resources Studies (beyond the initial investigation listed above)

If the water system improvements portion of the project proceeds, surveys will be required for the off-site water extension as well as as-builts at the completion of the construction. We would provide proposals for qualified surveyors for this work once a decision has been made to proceed with the water system improvements.

### **Schedule**

Based on our previous discussions with ClearWater Environmental, the preparation of the individual permitting will take approximately 6 weeks to complete and submit. We will release ClearWater to proceed with this work upon approval of this revised scope of work.

We would recommend holding on the permitting for sedimentation & erosion control/stormwater until the individual permitting (IP) with the Corps of Engineers and DWR is well underway. Comments received during the IP process could require adjustments to the roadway plans.

As the IP process proceeds, we will work closely with the County Staff to develop a schedule for each of the Tasks above at the appropriate time. We would not proceed with any work outside of Task 1 until directed by the County.

Thank you for the opportunity to submit this revised proposal. Feel free to contact me with any questions.

Sincerely,  
WGLA Engineering, PLLC



William R. Buie, P.E.