



November 7, 2018

Mr. Michael Short, P.E.  
New Braunfels Utilities  
P.O. Box 310289  
New Braunfels, Texas 78131

RE: Contract Amendment #5 - Morningside/Solms/Rueckle (MSR) Reconstruction Project

Mr. Short:

This Amendment is intended to address revisions to two sewer mains to accommodate a new development proposed just east of Morningside and Solms Road and to evaluate groundwater concerns along Solms Rd:

- Sewer Adjustments along Solms Road (Sewer Line A and A1) per NBU's request:
  - Meet with NBU, City and Developer's engineer to determine required modifications.
  - Lower sewer profile to accommodate the new development.
  - Change sewer pipe diameter to 12-inch with a minimum slope of 0.70%.
  - Revise groundwater interceptor pipe to address deeper sewer profile.
  - Revise six sewer plan and profile sheets (Sheets 4 to 7 and AS-1, AS-2).
  - Adjust quantities to account for design revisions (includes groundwater items).
  - Review/adjust other proposed project improvements if needed.
  - Send necessary information to the City and NBU for review/comment/approval.
  - Prepare the necessary information for a Change Order.
  - Assist the City and NBU with the review of the Change Order after it's received from the Contractor.

**The following assumptions are made with respect to this scope of work:**

- All work will be designed per NBU specifications.
- This scope assumes NBU will pay any permitting fees, if required.
- This scope assumes the development's engineer will design a system to handle the groundwater encountered on the developments property and will not allow it to enter into the City's project area.

We proposed to perform this work on a lump sum basis for a fee of \$14,840.00. A detail of the fees is shown below. This Amendment only modifies the scope and fee of the original Agreement signed by NBU on October 19, 2015 and the Provisions of that Agreement remain in effect. No other modifications are intended with this Amendment.

MSR (12-inch Sewer Revisions)	Hours		Total
	PM	EIT	
Evaluate impacts to the proposed sewer change	2	8	\$1,180.00
Sewer P&P Revisions (6 sheets) (12")	12	48	\$7,080.00
Coordination/Meetings (NBU, City, Developer)	4	2	\$820.00
Groundwater System Design Revisions	12	36	\$5,760.00
<b>Total</b>	<b>30</b>	<b>94</b>	<b>\$14,840.00</b>

We appreciate the opportunity to continue to assist NBU with this project. If you have any questions, please do not hesitate to give me a call.

Sincerely,



Jeff Moeller, P.E.

Attachments

CC: Mr. Adam Willard, P.E.  
 Mr. Herb Shadrock