

**AMENDMENT NO. 3
TO SERVICE AGREEMENT BETWEEN
SANTA FE COUNTY AND MILLER ENGINEERING CONSULTANTS, INC.**

THIS AMENDMENT is made and entered into as of this 24th day of MAY 2019, between Santa Fe County (hereinafter the "County"), and Miller Engineering Consultants, Inc., (hereinafter the "Contractor").

WHEREAS, on April 11, 2017, the County and the Contractor entered into Agreement No. 2017-0255-PW/BT (Agreement) for the Contractor to provide civil engineering services for County Road 55-A road improvements from construction phase, contract administration to project completion; and

WHEREAS, by Amendment Nos. 1 and 2 to the Agreement, the Contractor's additional services and compensation were amended; and

WHEREAS, the Engineer has informed the County that additional drainage improvements are needed as part of the final design phase of the project. Construction of the drainage improvements requires construction of a concrete channel system on adjacent private property; and

WHEREAS, the parties wish to amend the Agreement to amend the Contractor's additional services to include the completion of topographic and easement surveys by the Contractor for the drainage structures that will be located on private property and that are outside the County's road ROW, and increase the compensation payable to the Contractor for these services.

NOW, THEREFORE, IT IS AGREED BETWEEN THE PARTIES
as follows:

1. Article I (Scope of Work), **ADDITIONAL SERVICES** is amended to insert subparts h, i, j and k to read:

h. Contractor shall complete a signed and sealed engineering study of the area where the concrete channel system will be constructed and update the drawings to incorporate the information from the engineering study.

i. Contractor's subconsultant shall complete a detailed (1-ft contour intervals, terrain break lines, spot elevations, fences, roadways, culverts) topographic survey of the area where construction of the concrete channel system is proposed.

j. Contractor's subconsultant shall prepare a comprehensive easement survey of the area where construction of the concrete channel system will occur. Contractor's subconsultant will complete an easement exhibit for the drainage channel and its alignment.

k. Contractor shall prepare and preliminary (35%) and final (100%) design and drawings for the concrete channel system. These services will include plan and profile sheets and typical sections; hydraulic computations; letter report of findings of the 35% design and prepare an engineer's opinion of probable construction costs for the completion of the concrete channel system.

2. Article 2 (COMPENSATION, INVOICING, AND SET-OFF) A.1) is amended by inserting a subpart (b) to read:

(b) By Amendment No. 3, the compensation payable to the Contractor for the completion of the Additional Services described in h, i, j and k above, is increased by a sum of \$32,525.86. The total amount payable to the Contractor for the term of this Agreement shall not exceed \$106,863.14, exclusive of New Mexico gross receipts tax.

3. All other provisions of this Agreement, not amended or modified by Amendment Nos. 1, 2 and this Amendment No. 3 shall remain in full force and effect.

IN WITNESS WHEREOF the parties have duly executed this Amendment as of the date of last signature below.

SANTA FE COUNTY:

Katherine Miller
Katherine Miller
Santa Fe County Manager

5.24.19
Date

Approved as to form:

R. Bruce Frederick
R. Bruce Frederick
Santa Fe County Attorney

5-22-19
Date

Finance Department:

Gary E. J. Giron
Gary E. J. Giron
Finance Director

5/23/19
Date

CONTRACTOR

Uri / PRES.
(signature and title)

5/23/19
Date



MILLER ENGINEERING CONSULTANTS

Engineers • Planners

May 1, 2019

Ms. Shannon Vigil
Santa Fe County Public Works Department
P.O. Box 276
Santa Fe, NM 87504-0276

**RE: Fee Proposal for Additional Services
County Road 55A Road Improvement Project
Agreement No. 2017-0255-PW/BT**

Dear Shannon:

Pursuant to your request, we have developed a fee proposal to provide additional engineering services for an estimated 1500 linear feet of concrete drainage channel as indicated on Exhibit A attached hereto. More specifically, the scope of the additional professional services and proposed fees are as follows:

Scope of Services: Miller Engineering Consultants, Inc. (MEC) proposes the following scope of services for this project:

- 1) Topographic Survey:
 - a. Topographic survey of approximate 150' x 1500' corridor along the existing drainage centerline
 - i. Survey shall be referenced to the existing project control
 - ii. Location of terrain break lines, spot elevations, fences, roadways, culverts, etc.
 - b. Prepare topographic base map with a 1-foot contour interval
- 2) Easement Survey
 - a. Research with Santa Fe County for plats/deeds of subject property and adjoining properties
 - b. Field survey to locate existing property corners of subject property and adjoining properties
 - c. Boundary review, analysis and determination
 - d. Prepare easement exhibit for drainage channel (legal description and sketch)
 - i. Engineer to provide channel alignment
- 3) Engineering Services:
 - a. MEC will prepare a preliminary design (35%), final design (100%), and associated construction drawings for the proposed concrete channel system. MEC will prepare the necessary plan and profile sheets and typical sections for the channel system for incorporation into the overall plan set for the project. MEC will also prepare the necessary hydraulic computations for the design of the channel system, and a letter report of findings at the 35% design level. MEC will prepare an engineer's opinion of probable construction cost for the project.

4) Additional Construction Administration

- a. The Construction Observation hours in the original contract budget will be converted to Construction Administration hours for the duration of the project. This amount of \$9,120.00 will be invoiced as Construction Administration Services during the construction phase of the project.

Fee Proposal: Our fee for the above-described services will be a fixed fee amount as follows (Please See Exhibit B):

1) <u>Topographic Survey:</u>	\$ 4,070.00
2) <u>Easement Survey:</u>	\$ 3,080.00
3) <u>Engineering Services:</u>	\$ 25,375.86
4) <u>Additional Construction Administration</u>	\$ 0.00
Tax 7.875%	\$ 2,525.97
TOTAL	\$ 35,051.83

We appreciate the opportunity to provide professional services to Santa Fe County for this project. Should you have any questions or require additional information, please do not hesitate to contact our office.

Sincerely,

MILLER ENGINEERING CONSULTANTS, INC.



Verlyn A. Miller, P.E.
President

VAM/jm
Enclosure: Exhibit A & B

EXHIBIT A

CR 55A

5-1-2019



EXHIBIT B

Man-hour Fee Estimate

No.	Task	Sr. Eng.	Civil Eng.	Sr. Civil Tech	Const. Observer	Drafter	Clerical	TOTAL
Additional Services								
1	Engineering Design to 35% and preparation of 35% drawings of 1500 linear feet of concrete channel system. Prepare hydraulic computations and prepare letter report of findings.	24	24	60		24	6	138
2	Final Engineering Design and 100% construction drawings of 1500 linear feet of concrete channel system.	16	24	80		40	8	168
	Total Man-Hours	40	48	140	0	64	14	306
	Direct Labor Rate \$	\$ 46.00	\$ 40.00	\$ 27.40	\$ 23.75	\$ 20.00	\$ 18.50	
	Direct Labor Cost \$	\$ 1,840.00	\$ 1,920.00	\$ 3,836.00	\$ -	\$ 1,280.00	\$ 231.00	\$ 9,107.00
	Overhead						138%	\$ 12,567.66
	Subtotal Direct Labor & Overhead							\$ 21,674.66
	Profit Margin @ 15%						15%	\$ 3,261.20
	Total Fee Amount							\$ 24,925.86
Third Party Services								
No.	Description	Amount	Unit Price	Cost				
1	Topographic Survey	1	\$ 4,070.00	\$ 4,070.00				
2	Easement Survey	1	\$ 3,080.00	\$ 3,080.00				
3		0	\$ -	\$ -				
	Subtotal Amount			\$ 7,150.00				\$ 7,150.00
	Tax @ 7.875%							\$ 2,525.97
Reimbursable Expenses								
No.	Description	Amount	Unit Price	Cost				
1	Mileage	0	\$ 0.550	\$ -				
2	Plan Reproduction	200	\$ 2.00	\$ 400.00				
3	Copies	500	\$ 0.10	\$ 50.00				
	Subtotal Amount			\$ 450.00				\$ 450.00
								\$ 35,061.83
TOTAL ESTIMATED AMOUNT								\$ 35,061.83