

September 11, 2019

Mayor Johnny Magee
City of Laurel
401 5th Avenue
Laurel, MS 39440

REFERENCE: Laurel Sportsplex Expansion
Contract Amendment No. 1 Request

Dear Mayor Magee:

Neel-Schaffer, Inc. appreciates the opportunity to work with the City of Laurel on the above referenced project. Our original contract for professional services for this project, which is dated February 3, 2016, included several phases of design and construction phase services. During the course of design, we have assisted the City in applying for grant funds through the Corrective Action Trust Fund from MDEQ related to the development of a portion of the expansion on an abandoned landfill site. Regulatory requirements related to design and environmental monitoring for items funded in part through the CATF program require additional services beyond our original contract scope.

Neel-Schaffer requests that our contract be amended to include the additional phases of work outlined in the table below:

Description	Contract Addition	CATF Eligible*
Landfill Cap Design	\$ 6,000.00	\$ 6,000.00
Soil Boring and Testing	\$ 11,700.00	\$ 11,700.00
CQA Sampling and Testing	\$ 55,700.00	\$ 55,700.00
Monitoring Unsuitable Wastes	\$ 42,000.00	\$ 25,000.00
Methane Monitoring	\$ 12,400.00	\$ 0.00
Groundwater Monitoring	\$ 24,600.00	\$ 0.00

*Pending final MDEQ approval

The total CATF application amount is provided in the attached OPC. This also includes projected construction costs which are anticipated to be funded in part through the CATF program.

If this Amendment No. 1 is acceptable, please execute both documents and return one copy to us.

Sincerely,
NEEL-SCHAFFER, INC.



Kris Lightsey, P.E., Ph.D.
Senior Project Manager

CITY OF LAUREL:

ACCEPTED: _____

DATE: _____

**Laurel Sportsplex Pre-Subtitle D Landfill
Corrective and Preventative Action CATF Request
OPINION OF PROBABLE COST - APRIL 2019**

Item B. 1) Design of Closure Cap

<u>Description</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Cost</u>	<u>Total Cost</u>
Specification Development	12	HRS	\$ 150.00	\$ 1,800.00
Plan Development	16	HRS	\$ 150.00	\$ 2,400.00
Plan and Spec Review, Markups, Modifications	6	HRS	\$ 150.00	\$ 900.00
Design QA/QC	5	HRS	\$ 180.00	\$ 900.00
Subtotal Engineering Design:				\$ 6,000.00

Item B. 2) Soil Boring and Testing

<u>Description</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Cost</u>	<u>Total Cost</u>
Soil borings (0 - 5')	17	EA	\$ 200.00	\$ 3,400.00
Moisture Content and Atterberg Limits	50	EA	\$ 60.00	\$ 3,000.00
Permeability Testing	8	EA	\$ 350.00	\$ 2,800.00
Engineering Report and Lab Result Analysis	1	LS	\$ 2,500.00	\$ 2,500.00
Subtotal Soil Boring =				\$ 11,700.00

Item B. 3) Construction of Closure Cap

<u>Description</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Cost</u>	<u>Total Cost</u>
Mobilization, Tax and Bond	1	LS	\$ 37,500.00	\$ 37,500.00
Geotextile Fabric For Soil Stabilization	20,000	SY	\$ 3.50	\$ 70,000.00
Recompacted Onsite Cover Layer*	3,000	CY	\$ 5.00	\$ 15,000.00
Compacted Imported Cover Layer*	7,000	CY	\$ 20.00	\$ 140,000.00
Temporary Erosion Control	1	LS	\$ 7,500.00	\$ 7,500.00
10% Contingency	1	LS	\$ 30,000.00	\$ 30,000.00
Subtotal Construction =				\$ 300,000.00

*Estimated at an assumed 30% onsite material and 70% imported material. Subject to change based on existing onsite material characteristics.

Item B. 4) CQA Sampling and Testing of Cap

<u>Description</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Cost</u>	<u>Total Cost</u>
Field Testing Technician	12	WKS	\$ 2,500.00	\$ 30,000.00
Standard Proctor w/ Atterburg Limits	5	EA	\$ 200.00	\$ 1,000.00
Moisture Content and Density Testing	100	EA	\$ 75.00	\$ 7,500.00
Permeability Testing	12	EA	\$ 350.00	\$ 4,200.00
Cover Thickness Survey	2	EA	\$ 5,000.00	\$ 10,000.00
Engineering Report and Lab Result Analysis	1	LS	\$ 3,000.00	\$ 3,000.00
Subtotal CQA Testing and Reporting =				\$ 55,700.00

Item B. 5) Monitoring and Removal of Unsuitable Wastes

<u>Description</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Cost</u>	<u>Total Cost</u>
Field Engineering Technician	12	WKS	\$ 3,500.00	\$ 42,000.00
Excavate, Segregate, and Load Waste**	500	CY	\$ 25.00	\$ 12,500.00
Haul to PBSWA Landfill	20	EA	\$ 250.00	\$ 5,000.00
Tipping Fee	400	TON	\$ 37.00	\$ 14,800.00
Testing and Characterizing Waste	1	LS	\$ 5,000.00	\$ 5,000.00
Subtotal Waste Removal =				\$ 79,300.00

**Estimated at an assumed 5%. Subject to change based on existing waste characteristics.

Item B. 6) Methane Monitoring Program

<u>Description</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Cost</u>	<u>Total Cost</u>
Methane monitoring well installation	8	EA	\$ 750.00	\$ 6,000.00
Quarterly sampling and monitoring (2 years)	8	EA	\$ 550.00	\$ 4,400.00
Reporting (2 years)	8	EA	\$ 250.00	\$ 2,000.00
Subtotal Methane Monitoring Program =				\$ 12,400.00

Item B. 7) Groundwater Monitoring Program

<u>Description</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Cost</u>	<u>Total Cost</u>
Groundwater monitoring well installation	4	EA	\$ 1,350.00	\$ 5,400.00
Biannual sampling and monitoring (2 years)	4	EA	\$ 2,500.00	\$ 10,000.00
Reporting (2 years)	4	EA	\$ 2,300.00	\$ 9,200.00
Subtotal Methane Monitoring Program =				\$ 24,600.00

Total Estimated Eligible Project Cost = \$ 489,700.00

FUNDING REQUEST

The opinion of probable costs for the proposed preventative and corrective actions are outlined in Table 1, below. A more detailed breakdown of the estimated eligible costs are provided in Appendix 3.0. The City of Laurel is requesting that the MDEQ provide funding through the CATF program to cover these proposed preventative and corrective actions that are believed to meet the requirements of the CATF program.

B.1) Design of Closure Cap	\$6,000.00
B.2) Soil Boring and Testing	\$11,700.00
B.3) Construction of Closure Cap	\$300,000.00
B.4) CQA Sampling and Testing of Cap	\$55,700.00
B.5) Removal of Unsuitable Wastes	\$25,000.00
B.6) Methane Monitoring Program	\$0.00
B.7) Groundwater Monitoring Program	\$0.00
Total Eligible Cost:	\$398,400.00