

EXHIBIT C  
Task Order Number 19-23  
Closure/Post Closure Cost and Site Life Estimates  
Buncombe County Environmental Management Department

SCOPE OF SERVICES

**Scope of Work Description**

The scope of work for this task order includes two distinct tasks; one is the Estimate of the Closure and Post Closure Costs and the other is the Site Life Estimate.

1. SCS Engineers PC (SCS) will estimate the Closure/Post Closure cost for the landfill. The costs for the estimate will be based on data gathered from third party bids, existing contracts, RS Means, etc. Two estimates will be created, one for the C&D landfill and one for the MSW landfill. The deliverable will include a summary letter containing both estimates and the associated sources of the data utilized in the calculations. The estimates will be provided for your use and your delivery to NCDEQ.
2. For the Site Life Estimate the County has an existing contract with a surveying firm, licensed by the registration board of North Carolina, who will provide SCS with a topographic survey of the existing C&D landfill and the existing MSW landfill suitable for calculating the necessary components. From the survey information and historical survey information provided by the Buncombe County, calculations will be conducted that estimate the utilization of disposable airspace from the waste placement during the past year (May 2018 to May 2019). We will also use the surveys to calculate the remaining airspace in both the C&D and MSW Landfills. This effort will include the currently permitted area through Cell 6 and full buildout for the MSW landfill. The same calculation will be conducted for the C&D landfill that will include Cell 6A for the C&D and full buildout. The County will provide the necessary CAD files and waste tonnage information to address the conditions required for the calculations. This gives the County and the statewide organization a data base on which landfill densities, filling rates, and landfill life will be estimated. The data is useful to the County for determining how well the landfill is being operated and potentially how much longer the active disposal area can be utilized. Based on the information provided by the County and our calculations SCS will make a recommendation on the date that Cell 7 should be available to receive waste as well as timeframes for design and construction. We will provide a summary letter containing the Site Life Estimate and will include the data utilized in our calculations and two drawings for each landfill visually showing waste placed and volume remaining. The estimates and drawings will be provided for your use and for your delivery to NCDEQ. Prior to finalizing this effort, SCS staff will meet on-site for discussions with County Staff for evaluation of time frame projections for moving into new areas of the landfill and for potential sequencing of the waste fill process.

### Deliverables and Schedule

Work will commence within 14 days of receipt of the 2019 Survey, Existing CAD file and Waste Tonnage information and will be completed within 60 days. (A proposed schedule for this work must be included herein.)

### Compensation

Compensation to the Contractor for services performed under this Task Order will be in accordance with the (lump sum or time and materials (circle one)) invoice method and shall be based upon the fees as set out in the Agreement.

SCS ENGINEERS, PC proposes to complete this Task for a fee of \$65,008. This fee, which is based on the assumptions provided in this Task Order proposal, shall not be exceeded without written authorization from the County.

<b>BUNCOMBE COUNTY</b>	<b>CONTRACTOR</b>
<b>By:</b>	<b>SCS ENGINEERS, PC</b>
_____	By: <u>C. Ed Hilton, Jr.</u>
(Signature)	(Signature)
_____	<u>C. Ed Hilton, Jr. PE</u>
(Printed Name)	(Printed Name)
_____	<u>Vice President</u>
(Title)	(Title)
_____	<u>5/13/19</u>
(Date)	(Date)

THIS INSTRUMENT HAS BEEN PRE-AUDITED IN THE MANNER REQUIRED BY THE LOCAL GOVERNMENT AND FISCAL CONTROL ACT

\_\_\_\_\_  
Finance Director

Approved as to form

\_\_\_\_\_  
County Attorney/County Staff Attorney

### SCS Tampa - Standard Fee Schedule through 12/31/18

**Location**

Personnel	Tasks (Hours)							Total (hours)	Rate (\$)	Total (\$)	Personnel
	1	2	3	4	5	6	7				
Principal	14.0	36.0	0.0	0.0	0.0	0.0	0.0	50.0	250	12,500	Principal
Project Director	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	220	0	Project Director
Senior Project Advisor	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	195	0	Senior Project Advisor
Senior Project Manager	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	185	0	Senior Project Manager
Project Manager	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	165	0	Project Manager
Senior Project Professional	72.0	112.0	0.0	0.0	0.0	0.0	0.0	184.0	150	27,600	Senior Project Professional
Project Professional	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	120	0	Project Professional
Staff Professional	100.0	52.0	0.0	0.0	0.0	0.0	0.0	152.0	105	15,960	Staff Professional
Senior Technician	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	95	0	Senior Technician
Designer	0.0	52.0	0.0	0.0	0.0	0.0	0.0	52.0	105	5,460	Designer
Construction Superintendent	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	105	0	Construction Superintendent
Associate Staff Professional	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	95	0	Associate Staff Professional
Designer/Drafter	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	93	0	Designer/Drafter
Technician	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	80	0	Technician
Secretarial/Clerical	2.0	2.0	0.0	0.0	0.0	0.0	0.0	4.0	78	312	Secretarial/Clerical
Subtotal Labor (hours)	188.0	254.0	0.0	0.0	0.0	0.0	0.0	442.0			Subtotal Labor (\$)
Subtotal Labor (\$)	24,956	36,876	0	0	0	0	0			61,832	
Reimbursables	0	2,762	0	0	0	0	0			2,762	
G&A, 15 percent reimburs	0	414	0	0	0	0	0		0	414	
Total Fee Estimate	\$24,956	\$40,052	\$0	\$0	\$0	\$0	\$0			\$65,008	

Notes:

### Task 1 - Closure/Post Closure Estimate

## Task 2 -Site Life Calculations

### Task 3 - Task Description

### Task 4 - Task Description

### Task 5 - Task Description

### Task 6 - Task Description

### Task 7 - Task Description

### REIMBURSABLE COSTS

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