



Buncombe County Board of Commissioners

Request for Board Action

Meeting Date: 10/1/2019

Consent Agenda

Department: Solid Waste

Presenter(s): Dane Pedersen

Contact(s): Dane Pedersen

Subject: Engineering and planning service for C&D Landfill expansion

Brief Summary: Following a Request for Qualifications (RFQ) Process, SCS was approved by the Board of Commissioners to provide prime engineering services for the Buncombe County Solid Waste Department. SCS and Buncombe County executed a formal agreement on August 23rd, 2018 and all subsequent and proposed engineering work has been approved via Task Orders.

Under this Task Order Number 20-03, in the amount of \$19,600, SCS Engineers to provide engineering and planning services for Buncombe County solid waste departments C&D Landfill. Including evaluation of proposed cell expansion footprint and opportunity to increase disposal life expectancy.

Recommended Motion & Requested Action: Approval and execution of SCS Task Order Number 20-03 in the amount of \$19,600.00

County Manager's comments and Recommendation: Approve as presented

EXHIBIT C
Task Order Number 20-03
C&D Landfill Phasing Evaluation and Planning
Buncombe County Solid Waste Department

SCOPE OF SERVICES

Scope of Work Description

SCS Engineers, P.C. (SCS) will provide engineering and planning services for the Buncombe County Solid Waste Department's C&D landfill. Following initial review of the Phase 6 C&D landfill Permit to Construct Application dated September 2017, the permitted landfill footprint was reduced compared to the Site Suitability footprint which effectively reduced landfill volume and life. The North Carolina Department of Environmental Quality Solid Waste Section (SWS) approved the Phase 6 Permit to Construct Application on March 2018. The County elected to split Phase 6 into 6A and 6B and recently received the Permit to Operate for Phase 6A.

To potentially increase the disposal life expediency of the C&D landfill, SCS will investigate the design decision of reducing the permitted landfill footprint and evaluate possible C&D landfill development options which include building out to the originally permitted footprint. SCS will discuss the potential reestablishment of the landfill footprint area option with the SWS since Phase 6B is covered under the approved Permit to Construct (PTC) from SWS.

To complete the evaluation we have divided our services into two (2) tasks, which are detailed as follows:

Task 1 – C&D Landfill Phase 6 Research

SCS will research the Phase 6 C&D landfill permitting history by identifying and acquiring pertinent permit documents. These documents included SWS and Land Quality Section permit applications, SWS correspondences, and SWS notifications. SCS discussed the Phase 6 permitting history with County and SWS staff. This portion of the task has been completed to date in order to develop this Task Order.

Following receipt of permit related documents and communication with County and SWS staff, SCS will review and prepare a memo to document our findings related to Phase 6 PTC footprint reduction and possible reestablishment. This will include a permitting history and understanding of why the landfill footprint was reduced.

Task 2 – C&D Landfill Phasing Evaluation

SCS will review the Phase 6 design elements and findings from Task 1 and determine if the landfill footprint can be expanded to the originally permitted limit. If this revision is viable, SCS will investigate landfill construction and waste disposal phasing options to optimize the disposal volume and life expediency. Conceptual landfill construction and filling drawings will be developed to illustrate phasing options and associated landfill volumes.

SCS will discuss potential permitting options with SWS since Phase 6B currently has an approved PTC if expanding beyond Phase 6B is viable. We assume this to be a conference call.

An on-site review meeting will be held with County staff to discuss our findings, planning options, and scenarios and recommendations for moving forward.

Deliverables and Schedule


SCS will complete a draft memo documenting the findings and deliverables developed in Tasks 1 and 2 including the recommendations discussed at the County review meeting. The draft memo will be submitted for County review. Following receipt of review comments, SCS will finalize the memo.

SCS plans to have the Task 2 on-site review meeting within 30 days following receipt of a Notice to Proceed from the County. The final memo will be provided no later than 2 weeks following receipt of any draft memo comments from the County.

Compensation

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

SCS Engineers, P.C. proposes to complete this Task Order for a fee of \$19,600. This fee, which is based on the assumptions provided in this Task Order proposal, shall not be exceeded without written authorization from the County.

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| BUNCOMBE COUNTY BOARD OF COUNTY COMMISSIONERS | CONTRACTOR SCS ENGINEERS, PC |
| By: _____ | By:  _____ |
| (Signature) | (Signature) |
| _____ | Albert Glenn, PE |
| (Printed Name) | (Printed Name) |
| _____ | Project Director |
| (Title) | (Title) |
| _____ | 9/3/2019 |
| (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