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Cary, NC 27511
919.827.0864
www.daa.com

March 9, 2022

Robert Williams
Solid Waste Director
Orange County
PO Box 17177
Chapel Hill, NC 27516

RE: Due Diligence & Preliminary Planning
Ferguson and Bradshaw Quarry W&R Site Consolidation
Orange County, NC
Draper Aden Associates Proposal No.: P2200693

Mr. Williams:

At your request we offer this proposal for engineering services for due diligence investigation and preliminary planning for a new Waste and Recycling Center to consolidate the existing Ferguson and Bradshaw Quarry sites. This proposal outlines our understanding of the project scope, tasks to be completed, assumptions underlying our fee proposal, and fees for various project tasks.

I. PROJECT DESCRIPTION

The project consists of a due diligence investigation and preliminary plan to locate a new Waste and Recycling Center to replace the two sites listed above. The proposed modernized consolidation of the two sites would serve the community with updated facilities and equipment, adequate room for vehicular traffic flow and employee parking with a "hybrid" design between that of a district center (such as Walnut and Eubanks) and a neighborhood center (such as High Rock). The new 'hybrid' type center will accommodate the residential community in the southwestern quadrant of the County with more accessibility, clearer signage, secure fencing and the County will own the property. This model will allow the County, going forward, to be in control of the property rather than operate on leased property.

II. SCOPE OF SERVICES

Draper Aden Associates will assist OCSW in a due diligence investigation of the proposed sites located near the intersection of NC 54 and Orange Grove Road. In addition, preliminary layouts will be generated for use in meetings and project cost estimating. Below is a description of the Tasks that will be completed:

- A. Property Acquisition Fact Finding: Assist the County with contact and discussions with the current owner of the three potential parcels, Orange Water and Sewer Authority (OWASA) to investigate land transfer or other acceptable ways for OCSW to utilize the parcel(s)
- B. Preliminary Septic Investigation: DAA will engage a licensed soil scientist to perform a preliminary investigation of the selected site to determine areas for potential septic systems and acceptable soils.

Task Order Request - Ferguson and Bradshaw Quarry W&R Center Consolidation – 2200693

March 9, 2022

Page 2 of 4

- C. Preliminary Layouts: Utilizing online GIS information (topography, property boundaries, wetlands, soils, etc.), results of Task B above and other data sources, DAA will investigate the potential project site for usable areas and areas to be avoided. Based on the data gathered 2 optional site layouts will be generated for discussion with regulatory agencies to determine the approvals and necessary improvements to be undertaken. Input from the agency meetings will be incorporated into a selected layout.
- D. Regulatory Agency Meetings: DAA will meeting the following agencies to discuss the site layout options and determine the necessary approvals needed for the project. Input from these meetings will incorporated into the layouts under Task C. Agencies to be met with include the following:
 - Orange County Planning & Inspections
 - Orange County Health Department (septic and well permitting)
 - NCDOT
- E. Cost Estimation: Upon finalization of the preliminary layout, a detailed cost estimate for the project will be generated for use in budgeting and final project planning.

III. FEES

A. Property Acquisition Fact Finding	\$1,500
B. Preliminary Septic Investigation.....	\$2,000
C. Preliminary Layouts	\$2,300
D. Regulatory Agency Meetings	\$1,800
E. Cost Estimation.....	\$1,500
TOTAL	<u>\$9,100</u>

(Note: allowances for reimbursable costs (mileage, printing) are included)

IV. DELIVERABLES

Our deliverable documents to you will be in the form of electronic or plotted versions of AUTOCAD drawings and memorandum(s) of findings in PDF format.

V. ASSUMPTIONS

- ❖ Our service includes reasonable and appropriate response to review comments made by the Owner.
- ❖ No permits will be required to be obtained or modified for this phase of the project.

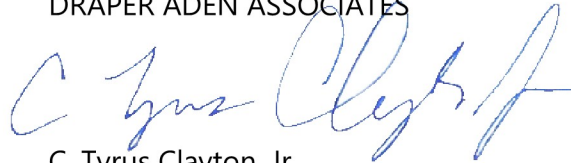
Task Order Request - Ferguson and Bradshaw Quarry W&R Center Consolidation – 2200693

March 9, 2022

Page 3 of 4

If this proposal is acceptable, please let us know by signing where indicated below and returning a copy to us. Please let us know if our scope and fee statements do not align with your expectations or project budget. We look forward to working with you again. If you have any questions, please feel free to call me at 919-827-0909.

Sincerely,
DRAPER ADEN ASSOCIATES

A handwritten signature in blue ink, appearing to read "C. Tyrus Clayton, Jr.", written in a cursive style.

C. Tyrus Clayton, Jr.
Principal/ Vice President

Task Order Request - Ferguson and Bradshaw Quarry W&R Center Consolidation – 2200693

March 9, 2022

Page 4 of 4

**Due Diligence & Preliminary Planning
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AUTHORIZATION TO PROCEED

DocuSigned by:

8BE86F843690496...
Orange County Solid Waste Management

5/17/2022
date

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

DocuSigned by:

7D4E8181ACC1409...
Office of the Chief Financial Officer

5/17/2022
date

**THIS SCOPE OF WORK IS SUBMITTED PURSUANT TO THE TERMS OF THE AGREEMENT DATED
FEBRUARY 22, 2017, AS AMMENDED EFFECTIVE FEBRUARY 22, 2022, BETWEEN DRAPER ADEN
ASSOCIATES AND ORANGE COUNTY.**

DocuSigned by:

AADE920D679449C...
Draper Aden Associates

5/16/2022
date