

Quible

Quible & Associates, P.C.

ENGINEERING • ENVIRONMENTAL SCIENCES • PLANNING • SURVEYING
SINCE 1959

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December 31, 2013

Mr. Dan Porter
Camden County Planning Director
PO Box 190
Camden, NC 27921

Re: Agreement for Professional Services
CAMA Major and Boat Ramp Design
One Mill Road Park Project
Camden County, North Carolina

Mr. Porter,

Quible & Associates, P.C. (Quible) is pleased to present this proposal to continue our working relationship with Camden County for the One Mill Park Project (the Project). This proposal is for Environmental Consulting and Permitting Services.

WORK SCOPE

I. Wetland Confirmation Plat

As part of the scope of our original contract, we have delineated the Section 404 wetlands on the property, met with US Army Corps (USACE) to field confirm and have surveyed for planning purposes and for representation on the Grading, Drainage and Erosion Control Plan. In order for this delineation to be confirmed for five years and to receive a USACE Jurisdictional Determination, a Wetland Delineation Plat with a Nexus Evaluation and other USACE datasheets will need to be submitted. This will be a requirement as we advance into the CAMA Major Permitting Phase. This submission involves drafting time for plat preparation and paperwork time (all field work is complete).

II. CAMA Major Permitting

This will be an interagency Joint Permit Application which involves the review and comment by 15 State and Federal Agencies. Prior to receiving a CAMA Major Permit (The Joint Permit), we will have to address feedback from each of the regulatory agencies involved and we will also need to receive a 401 Water Quality Certification and a USACE Permit. Application for each of those permits is included in our scope. If there are significant environmental issues that arise which prohibit issuance of the necessary permits, we will work directly with you and with the pertinent agencies to develop a viable option that is more likely to be permissive.

In order to prepare a permissible design that takes into account State and Federal regulatory agencies rules and law, the items discussed below (A-C) must be completed.

A. Existing Data Collection and Base Mapping:

This will include correspondences, meetings and requests for information from various regulatory agencies and will include on-site meetings with NC Division of Coastal Management (DCM) and other relevant agencies. We will also attempt to acquire any existing water depth surveys, submerged aquatic vegetation (SAV) surveys, coastal wetland determinations, and any other pertinent survey work that would have been performed or submitted to regulatory agencies.

B. Field Data Collection:

1. Water Depth Soundings:

Water depths in the pier and proposed boat house location will be recorded by GPS and plotted on aerial photography. Water depths will be based on normal water level (NWL) as required by NC Division of Coastal Management (DCM) in this region. This is a CAMA Major Permit requirement.

2. Current Normal Water Line (NWL) Establishment:

While this project is over the sound, we will be required to establish the current NWL to be used as the defining point for measuring CAMA buffers, the location of shoreline stabilization. The field representative from DCM will confirm our findings and delineate areas of coastal fringe wetlands if necessary. The main reason for this is that once a CAMA Major is issued, the same permit can be modified and refined at a later date to include work that may be over land or within a CAMA AEC.

3. Field Evaluation for Boat Ramp Layout:

This involves an evaluation of existing environmental conditions and client preference to establish the layout for the proposed CAMA Plan, including dimensions, slope, supporting infrastructure, etc.

4. SAV Surveying: The SAV survey will include examination of the substrate for the presence of SAV growth. Typical methodology for a SAV analysis is to perform the work in the spring to summer seasons, where there is near-peak vegetative growth. Permit agencies typically require SAV analyses to be performed during near-peak growing periods. The State of North Carolina protects areas that are dominated by submerged aquatic vegetation (SAV), which are called "SAV beds".

In areas where SAV is encountered, species, growth characteristics, substrate type, and approximate coverage/density will be recorded. In addition, water quality parameters (i.e. salinity, turbidity, temperature, dissolved oxygen, pH) will be recorded. Areas of SAV beds will be identified on aerial photography and findings will be included in a report.

Since we are out of the peak growing season, it is our recommendation that we perform the survey this spring, as soon as DCM allows recognizes seasonal conditions to be appropriate. This can be done as the CAMA Major Permit is processing, but will be required prior to permit issuance in our experience.

C. CAMA Major Application Package Preparation and Submission:

The CAMA Major Plan and Application package includes a project narrative, applications and the plan. This also involves notification to adjacent riparian owners. We will initially submit a complete application package to the Elizabeth City District Office of DCM. We will work with the appropriate field staff member to adjust and add information as needed to proceed to the inter-agency review. Once deemed complete by the Elizabeth City Office, we will submit 27 copies of the application package to the Major Permits DCM Office in Morehead City, where they will distribute copies to all required reviewers. During the review by 15 state and federal agencies, we will be in direct communication with the Major Permits Office and with the various reviewers to address concerns and to supply additional information as needed. This includes on-site meetings with the various agencies as required. Following the review, a decision to issue or deny a CAMA permit for the project will be made by the DCM.

GENERAL EXCLUSIONS

A. Structural Design of Boat Ramp, Tending/Staging Piers and Bulkhead

Structural Design of these items is not included in our scope, but it is recommended that structural design of these items takes place during the CAMA Permitting process. We have consulted with a structural engineer who we commonly work with on boat ramps and items of this nature. His estimate to perform this structural work is approximately \$3,500. By request, we can add this item into this proposal. However, it is our understanding that you may seek or be eligible for NCWRC funding for this project. If so, structural design work may be performed by NCWRC, or they may require specific design parameters that require consideration before a structural design is finalized.

B. Elevation Drawings and/or Architectural Design and Renderings

C. Bidding and Construction Phase Work (can be included as needed)

PAYMENT TO CONSULTANT

The County shall pay Quible for services rendered under this Agreement as follows:

<u>Task- Base Scope</u>	<u>Lump Sum Fee</u>
Wetland Confirmation Plat	\$ 750.00
CAMA Major Permitting	\$ 6,500.00
Total	\$ 7,250.00

This Agreement is based on the following considerations:

1. Application, submittal, and advertising fees will be provided by the County.
2. If authorized in writing by Client, and agreed to by Quible, services beyond the scope of this Agreement will be performed by Quible for agreed upon additional compensation.

Agreement Conditions:

This is a performance contract. Parties, hereto, agree that payment for services shall be made based upon completion of tasks outlined under this Agreement, and shall not be conditioned upon an event, such as securing a permit, or other event.

Statements for services rendered, through the 25th day of each month, will be presented for payment on the first day of the subsequent month. Each monthly statement amount shall be due and payable on or before the 15th day of the invoice month. Any unpaid balance aged 30 days or more shall be subject to a service charge of 1.5% per month until paid in full, including the service charge.

This Agreement becomes a contract for professional services rendered between Quible and Camden County with the signature of an authorized representative below.

We appreciate the opportunity to be of service to Camden County and look forward to proceeding with this important project. Thank you for your attention to this proposed Agreement. Please do not hesitate to contact us at 252.261.3300 or by email at ddail@quible.com.

We have enclosed two copies of this Agreement. Please execute and return one to Quible as authorization to proceed and retain the other for your files.

Sincerely,
QUIBLE & ASSOCIATES, P.C.



Derek A. Dail, P.E.
Project Manager

In witness whereof, the parties hereto have executed this Agreement.

CLIENT:

Camden County

Authorized Signature

By: _____
Print Name

Title: _____

Date Signed: _____

ENGINEER:

Quible & Associates, PC



Authorized Signature

By: Brian D. Rubino, P.G.
Print Name

Title: Vice President

Date Signed 12/31/2013