



January 24, 2012

Borough of Naugatuck, Public Works Dept.  
Mr. James Stewart, P.E., L.S.  
258 Rubber Avenue  
Naugatuck, CT 06770-4145  
(203) 720-7071

**Outdoor Swimming Pool Reconstruction Design Services**

**Hop Brook Pool**  
**75 Crown Street**  
**Naugatuck, CT 06770**  
**CHA EWA Proposal #01**

Dear Mr. Stewart:

As requested, Clough Harbour & Associates, LLP (CHA) is pleased to submit this proposal for additional professional engineering services related to the Hop Brook Pool project. Our proposed Scope of Services, Deliverables, Exclusions, Assumptions, Schedule, and Fee are outlined below:

**GENERAL PROJECT DESCRIPTION**

The Hop Brook outdoor pool is an L-shaped multi-purposed recreational swimming pool which has 4,640 square feet of surface area and a pool perimeter of approximately 328 linear feet. The deep end is 12'-0" and the shallow end is 3'-0" deep. This pool is estimated to be 25+ years old and is need of replacement. The associated pool house is also in need of repair to the roof, windows, and doors, and is also in need of modification to meet ADA requirements. It is understood that the target construction budget for this project is \$600,000 to \$700,000.

**PROPOSED SCOPE OF SERVICES:**

CHA and our project teams will perform the following tasks:

**Schematic Design (30%)**

- Kickoff meeting with Borough of Naugatuck staff
- Overall Site Plan illustrating aquatic area layout and features
- Bathhouse improvements
- Proposed recirculation & chemical treatment systems
- Utility locations
- Key material and equipment details
- Concept level cost estimate

**Design Development (60%)**

- 60% plans & specs to client standards

**Construction Documents (100%)**

- 95% and 100% plans & specifications

**Deliverables:**

**Schematic Design**

- 3 copies of a schematic design report showing pool layout and design narratives describing repairs to the bathhouse and overall materials and equipment recommendations
- Schematic design level construction cost estimate

**Design Development**

- 3 copies of 60% plans and specifications to client standards
- 60% design level construction cost estimate

**Construction Documents**

- 3 copies of 95% plans and specifications to client standards for client review
- 95% design level construction cost estimate
- 3 copies of 100% stamped plans and specifications to client standards
- 100% design level construction cost estimate

**Exclusions:**

The following services are excluded from this agreement. However, CHA is available to provide these services upon request:

- Construction permit procurement
- Contract document services
- Bidding services
- Construction inspection and administration services
- Sprayground design

**Assumptions:**

- Client will provide necessary information for timely completion of the project.
- Construction Budget (not including Engineering Design) will be approximately \$700k.
- Attendance at pre-bid meeting is not required.
- Attendance at construction meetings is excluded.
- Drafting will be performed in ACAD 2011.
- Owner will be responsible for advertising, bidding, reproduction and distribution of bid documents.
- Health Department review will only require one submission (re-submittal will not be required).
- Owner is responsible for all permitting fees.

**PROPOSED SCHEDULE:**

The services will be completed within the agreed upon time frame as outlined below:

Schematic Design	Estimated four week completion from receipt of Notice to Proceed, including kickoff meeting with borough staff.
Design Development	Estimated six week from completion of client review and acceptance of Schematic Design submission.
Construction Documents	Estimated eight week from client review and acceptance of 60% design submission. Includes a two week client review period of 95% design submission.

**ADDITIONAL SERVICES AVAILABLE UPON REQUEST:**

- Design of a sprayground
- Development of full contract documents
- Bidding Services
- Construction inspection
- Construction administration (submittal review and RFI response)

**FEE BREAKDOWN:**

For the above Scope of Work, CHA proposes a Lump Sum fee of \$87,815 to be compensated on a monthly basis as a percent complete of the project. Fee shall be paid within 30 days after the delivery of an invoice from CHA.

Expenses for travel, reproductions, subcontracts, etc. will be billed at cost and using the federal standard rate for mileage.

We appreciate the continued opportunity to work with the town of Naugatuck on the redevelopment of your pool and other improvements to your athletic facilities.

If you have any questions, please do not hesitate to contact Jordan Hudak at 860-257-6955.

Very truly yours,



John P. Sobiech, P.E.  
Partner