

John Petroccione, P.E., PLLC
129 Neptune Drive
Monroe, NY 10950
(845) 782-7725

5/20/19

Mr. Frank Palermo
Supervisor
Town of Woodbury
511 Route 32
Highland Mills, NY 10930
VIA EMAIL: supervisor@woodbury.com

Re: Town of Woodbury
Central Valley Pond
Proposed outdoor commercial swimming pool
Woodbury, NY

Mr. Palermo:

In pursuance of our discussions, I propose to offer the following engineering design services to obtain approval for the construction of a new outdoor commercial swimming pool, to replace the existing "pond pool" at the above noted location. It is understood that the dimensions and shape of the pool are yet to be determined, but that the pool will be sized to accommodate approximately 400 bathers. The pool will be a gunite pool, served by a perimeter overflow gutter system, and will include a diving well, a beach entry area and some or all of the existing mushroom fountains. It is understood that the filtration and disinfection system serving the existing facility is in good operating condition, and it is anticipated the capacity of this equipment will be adequate to accommodate the proposed swimming pool. All reasonable efforts will be made to minimize modifications to this system.

The work included in this proposal includes:

- Conceptual development of pool configuration and site layout, in coordination with Town representatives, including up to 3 meetings
- Preparation of pool geometry plan, based upon final pool configuration
- Layout and design of all pool features (overflow gutter, surge capacity, inlets, main drains, slopes, area markings, etc.) in compliance with NYS Health Code and Virginia Graeme Baker Pool & Spa Safety Act requirements
- Layout of required pool piping
- Analysis of pool equipment to include recirculation pump(s), filter(s), disinfection system, etc., to demonstrate adequacy for proposed pool
- Design of modifications to the existing filtration system, as required to accommodate the proposed design flow

- Hydraulic design and analysis of piping systems
- Layout and analysis of pool mushroom features and required piping (it is assumed that specifications for the mushrooms will be made available)
- Design to incorporate handicapped bather accessibility features to provide ADA compliance
- Preparation of construction details and specifications for pool deck, pool coping, and pool walls
- Detailed design plans for the above, suitable for Orange County Health Department (OCHD) approval
- Preparation of Technical Specifications
- Preparation of Engineers Report
- Coordinate with Town Agencies in the development of a project bid package
- Coordinate with Town Agencies in the evaluation of project bids
- Coordination with pool contractor and Town Departments as needed
- Performance of up to 10 construction inspections, as needed. The minimum required inspections will include: reinforcing steel inspection, plumbing inspection, Engineer's inspection of completed works, Completed Works Inspection with OCHD
- Preparation of Engineer's Certification of Completed Works to OCHD
- All work is to be performed in accordance with the standards and criteria of the NYS Health Department and OCHD for a commercial swimming pool.

Work specifically excluded from this proposal includes but is not limited to:

- Approvals or permitting required from any agency other than the OCHD
- Project related fees and/or expenses (i.e. application fees, reproduction fees, etc.)
- Lighting & Landscaping designs
- Environmental studies
- Site/Civil design, beyond the land area impacted by pool construction
- Design or permitting of water supply
- Design or permitting of pool discharge
- On site planning, surveying or mapping, site testing and /or evaluation
- Construction related activities, other than the noted inspections
- Structural design or analysis, other than as noted above
- Redesign due to change of project scope
- Design of any slides or other pool features, beyond those noted above, which would require additional hydraulic analysis
- Any other work not specifically identified as "included" above

The above noted scope of work will be completed for a lump sum fee of \$30,000. Payments shall be required as follows:

- An \$8,000 retainer will be required prior to project commencement
- A \$15,000 payment will be required upon receipt of approvals

- A \$7,000 payment will be required upon provision of Engineers Certification of Completed Works

Should the project be terminated for any reason prior to completion, work completed will be billed on a percent complete basis. Checks will be an acceptable form of payment and should be made out to John Petroccione.

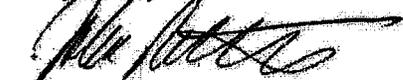
Work can begin upon receipt of this signed proposal and the above noted retainer. I will be in contact with you during the design to ensure that the design is compatible with your needs.

All correspondence can be sent to me at

John Petroccione, P.E.
129 Neptune Dr.
Monroe, NY 10950

I look forward to working with you towards the successful completion of your project.

Very Truly Yours,



John Petroccione, P.E.

I, the undersigned, request that the above described work be performed on my behalf and agree to the terms described herein

Party Responsible for Payment