



Stalco and Cameron Engineering reach construction milestone for \$12 million project

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Stalco Construction, Inc. and Cameron Engineering & Associates, LLP completed the complex task of pouring concrete for the new, 23,000 s/f main pool and the 2,500 s/f children's wading pool at the Manorhaven Beach Pool Complex ahead of schedule. The new aquatic and recreational facility will replace the town's deteriorated, old pool complex, originally constructed 50 years ago.

Stalco serves the client, the Town of North Hempstead, as general contractor. Cameron Engineering & Associates serves as construction manager, engineer, and landscape architect. The bathhouse, pump house, and maintenance garage architect is Notaro Grupp & Associates. Norberto Construction serves as pool sub-contractor.

"We are excited to complete construction of the pools' structures ahead of schedule and look forward to the opening of the entire complex at the beginning of the 2011 summer season," said Stalco principal Kevin Harney. "Achieving this milestone within an extremely challenging timeline and despite very harsh weather last winter is the testimony to the incredible skill and creativity of the entire design and construction team."

"This \$12 million project will provide exceptional recreational facilities for the local residents, from the 25,500 s/f pools and children's play areas to the 12,200 s/f main bathhouse with event and food service venues," added Stalco president Alan Nahmias.

The project encompasses extensive renovations to the bathhouse, construction of new main and wading pools, a new 2,000 s/f pump house, 800 s/f maintenance equipment garage, water features, and landscaped surrounding areas.

According to Cameron Engineering partner Kevin McAndrew, RLA, LEED, "The multi-purpose aquatic complex will feature a competition/lap swim area, general swim sections, zero entry beginners/splash zone, and slide plunge/training section within the elaborately shaped main pool as well as a separate wading/splash pool with spray features for small children."

Civil engineer Donna Plante of the Town of North Hempstead's Department of Public Works outlined the design of the swimming facilities: "The main pool will feature a gently sloped, ADA-compliant, 100-foot-wide 'beach' zero entry ramp for easy access by users of varied physical abilities, including those in wheelchairs. The landscaping and outdoor structures will include a large island with a waterfall, terraces and decks with shade structures, a dining area, and vegetation landscaping sections. Poured concrete areas will feature colored patterns."

The completely renovated bathhouse will house a concession stand, offices, childcare facilities, multi-purpose/event room, locker rooms, and bathrooms. Interior finishes will include CMU (Concrete Masonry Unit) walls; drywall and metal stud divider walls; and paracrete, porcelain tile, and linoleum flooring. Exterior walls will combine cultured stone, cementitious board, and thermal insulation with Z-bars. The roof will feature louvers and trusses for reverse gables.

"The interior layout of the new bathhouse reflects the Town of North Hempstead's desire for efficiency, functionality, and user comfort," said Notaro Grupp's Laura Coletti. "The interiors will feature expanded bathrooms, stacked lockers for space efficiency, and staff offices incorporated within the main building."

Stalco vice president Robert Isbit explained the project's challenges: "The complex has to be completed by the beginning of the 2011 season, and the construction could not begin prior to the end of the 2010 season."

Stalco and Cameron accelerated the schedule through innovative engineering design, reuse of existing structural elements, and implementing technological solutions that allowed the team to continue construction of pools and concrete pouring during the unusually cold and snowy winter of 2010/2011. "Traditional construction practice prevents excavation and pouring of concrete in cold weather conditions," added Stalco Superintendent Richard Feis. "Stalco, however, continued the site work throughout the cold months by erecting tents and employing industrial heaters."

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