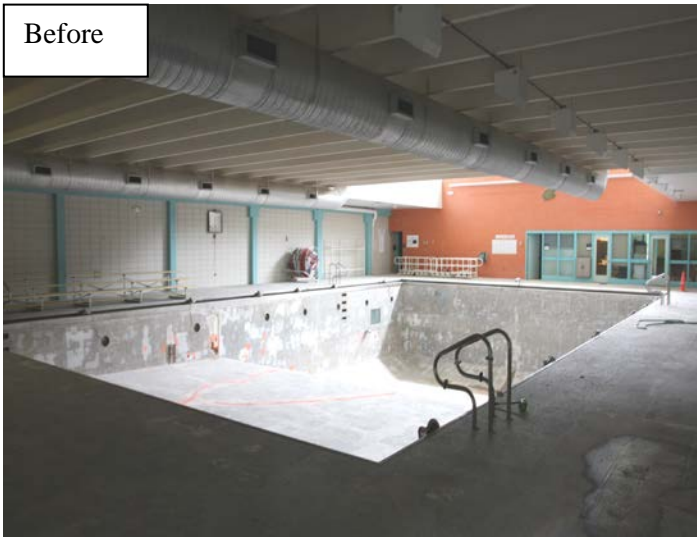


PROJECT HISTORY
ANNE ARUNDEL COMMUNITY COLLEGE
ARNOLD, MARYLAND

COMPLETION: 2009



PROJECT ASSESSMENT

“What needed to be done”

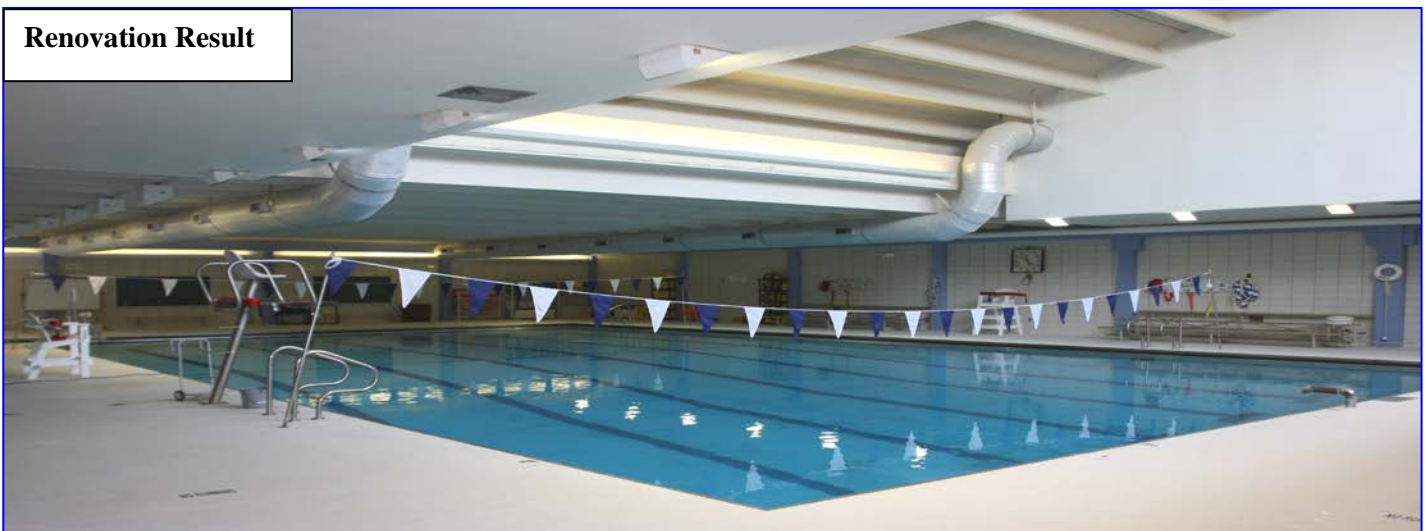
Although this pool had been leaking for years, failure of its cast iron main drain line, which flooded the below-grade equipment room, forced a renovation. All existing tiling in the pool and deck was removed in order to assess the condition of the structure. Several large structural cracks needed repair, as well as 25-foot sections of rebar that had corroded to the point that the Project Engineer specified removal and replacement. In addition to the addressing the structural needs of the pool, a portion of the pool wall was to be modified for the addition of entry steps, all 16-existing pool lights, housings and conduits were to be removed and replaced, and a UV sanitizing unit was to be installed to minimize chemical use and odor. New 1” X 1” tiles identical to those in the original construction were installed.

RENOVATION PLAN

“How it was done”

The first order of business on this project was to prepare the surface by removing all remaining grout and mortar left from the previous tile surface. Next an area of wall was removed in order to make way for the new steps, and the deep end floor was demolished in order to allow new main drain sumps and plumbing. Once the new steps were poured and the main drains had been inspected and encased, the existing gutters were modified to function with the new steps. The existing gutter was washed with low concentration nitric acid and polished. Sections of the deck were removed and new conduit, niches and lights were installed.

High-pressure epoxy injection was used to repair the structural cracks, new rebar was installed, primed with a zinc-based coating to inhibit rust, and encased in epoxy mortar. To fully seal the pool structure, a **Hydro Ester Protection System** was installed over the entire surface. 1”x1” tile was then applied to the entire pool surface. A medium pressure UV filter system was installed to work in concert with the existing filtration system. Deck tile was installed using standard cement-based materials. The pool was filled and started, and is currently leak free and operating beautifully.



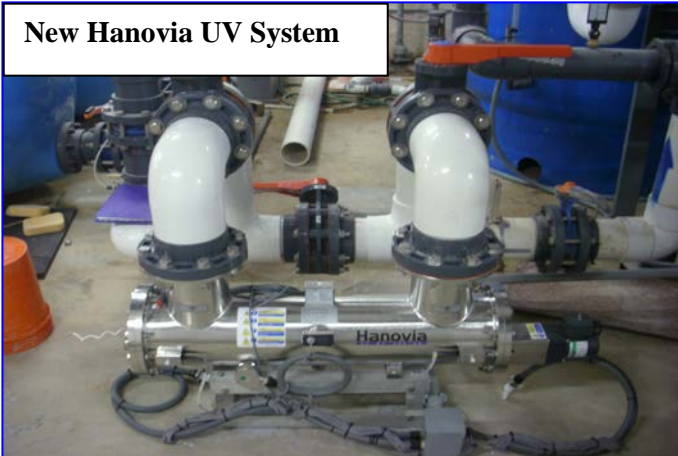
New Concrete Steps & Gutter Additions



Epoxy Injection in Progress



New Hanovia UV System



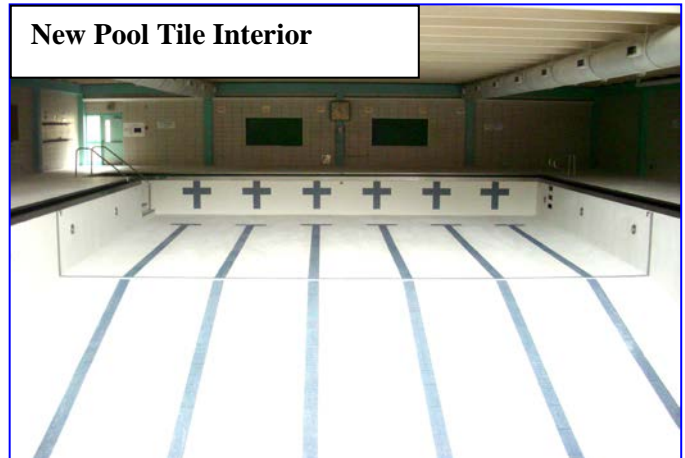
Flex Epoxy Composite Installation



New Deck Tile Installation



New Pool Tile Interior



PROJECT SPECIFICATIONS:

TOTAL SQ. FT.:	10,071, POOL & DECK
POOL SHAPE:	RECTANGULAR
TYPE OF CIRCULATION:	S/S GUTTERS
TYPE OF CONSTRUCTION:	CONCRETE
TYPE OF FINISH AFTER RENOVATION:	TILE