THE WILSON PARK POOL – HISTORIC RESTORATION

FAYETTEVILLE, ARKANSAS

COMPLETION: 2012



PROJECT ASSESSMENT "What needed to be done"

The Wilson Park Pool was originally constructed in the mid-20's, and is located in the Rock House Historical District of Fayetteville. With very few exceptions, the pool is structurally sound and near perfectly water level. After years of use and enjoyment, but in some disrepair and in need of beautification, in 2012 a major Restoration Project was undertaken on the pool. Work was required to repair and seal a number of transverse structure cracks in the pool floor, the plaster finish on both the main and kiddy pools was very worn, stained and rough and needed resurfacing, and the pool decking texture was in a very degraded state.

A unique feature of the Wilson Park pool is that Scull Creek runs from east to west under the entire 160' length of the pool. Built at a site that was known as Trent's Pond, the original bathhouse and changing rooms were underneath the west side of the pool. And while in disrepair, closed, and full of stalactites, these rooms can still be visited and viewed for a real perspective of the original construction. The pool remains empty during the off-season, the plaster surface had numerous shrinkage cracks throughout. The concrete gutter had been painted several times. Parts of the gutter overflow cap had cracked and released creating a safety issue for pool users.

This Restoration Project was undertaken with the guidance of Graver, LLC of Fayetteville (Engineers), who reviewed and approved Mid-America Pool Renovation, Inc.'s specifications.

Further historical information on Wilson Park can be found on www.AccessFayetteville.org.



BEFORE HISTORIC RESTORATION

ON-SITE INSPECTION













RESTORATION PLAN

"How it was done"





Four main objectives had to be met on this Project:

- First, layers of decking paint and deteriorated texture had to be removed from the pool decking,
- Second, the pool interior had to be thoroughly cleaned and scarified, but with care not to exceed a surface preparation roughness of CSP 3. With the pool remaining empty during the off-season, a Cement-based surface prone to shrinkage would not be placed. INTER-GLASS® was chosen for resurfacing as it presented the best solution and warranty choice for the pool interior. If the pool had a very rough surface, further preparation would have been required putting the Restoration budget in jeopardy,
- Third, the transverse structure cracks in the pool had to be permanently sealed and covered, and
- Fourth, Scull Creek had to be environmentally protected from Restoration debris entering the water.

Clean, environmentally recognized Hydro-blasting (40K Water Jetting) was chosen as the best preparation method on both the deck and pool surfaces. Fabric guards were installed on the fencing surrounding the pool to prevent pieces of deteriorated texture and paint from entering landscape and planted areas around the pool. Debris was confined to the decking and to inside the pool shell. Blasting water and debris were filtered through large containment units. Debris was captured within the containment units and cleaned filtered water was released onto the surrounding grounds. After the blasting and removal process was over, structure cracks in the pool were cleaned, prepared, epoxy injected and covered with InterSteel. Old sealant material in the decking area was removed. Each joint was cleaned and prepared for new sealants. Toe-stubbers were mechanically removed. New grounded and bonded brass anchors for pool ladders and rails were installed. A significant area encompassing both 1-meter dive stands was removed and replaced with new concrete. A thin, fully adhered, high Bonding Strength Slurry Coat was installed throughout the entire decking for leveling and filling purposes.

After a frost-proof tile was installed on the inside perimeter edge of the pool, two integrally colored texture choices were installed on the decking, one to high-light the pool coping area (pool edge), and the other for the remaining decking. New frost-proof Depth and No Dive Markers were cut into the concrete decking.

Last, new sealant material matching the texture colors was installed in the deck joints.

On the inside of the pool, permanent, frost-proof ceramic tiling was installed as racing lanes, taking the place of paint on lanes. Stress and shrinkage cracks were sealed and covered with Multiaxial fabrics. The pool interior and gutter area were re-surfaced with the INTER-GLASS® Reinforced Polymeric System.



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PROJECT SPECIFICATIONS:

TOTAL SQ. FT.: POOL SHAPE: TYPE OF CIRCULATION: TYPE OF CONSTRUCTION: TYPE OF INTERIOR FINISH:

21,900 Pool & Decking Modified Oval Concrete Gutters Formed & Poured INTER-GLASS

