



project services case study

Dolly's Splash Country
Pigeon Forge, TN

Aquatic Development Group was retained by the Silver Dollar City Corporation to develop a waterpark that delivers a strong entertainment experience. It also needed to capture the beauty of the Smokey Mountains that surrounded the project in a manner that creates a sense of discovery.

ADG began by developing a site plan based on some initial ideas created internally by the Silver Dollar City staff. The site plan went through numerous changes as we tried to maintain the drama of the property. The result of studying the site, the rides and attractions, support buildings and experience was a well thought out Master Plan that met the entertainment goals, operational efficiencies and budget of the client.

The guest experience was very crucial to the overall design and began at the entry to the park. As patrons buy tickets and pass through turnstiles they stroll through a landscape indigenous to the area, complete with waterfalls and towering hardwoods. This area builds excitement as guests cannot yet see the park and must continue down a winding path that eventually opens up to a view of a new cast-in place 28-foot tall waterfall cascading over a 300 foot long rocky precipice. This single element sets the tone for the rest of the guest experience.

A unique characteristic of the site that our design took advantage of was the shape of the land. A natural bowl allowed us to array the rides and water attractions on the wooded slopes. The outcome was incredible. The entire park, which was not visible a few moments earlier, was now before you as a series of layered rooms. The design is so closely tied to the existing topography that not one slide support is higher than 8 feet off the ground except for the top supports of the speed slide. The wave pool is nestled onto a ridgeline and the river hugs a contour around the lower section of this "bowl". Precisely located throughout the park are numerous support buildings which utilize a rustic backwoods vernacular.



ADG continued to participate in the project as it moved into construction. ADG's role was to design, engineer and construct the mechanical/filtration systems, the wave pool, lazy river, landing pools and the large waterfalls within the project. Our design, engineering and construction staff remained involved with the project and played an important role in it's successful opening.

The key elements of Dolly's Splash Country are as follows:

- The project is 25 acres in size
- Utilizes a WaveTek wave generation system
- Utilizes a centralized Whitten filtration system
- 1,500-foot long river
- Children's interactive area
- Family raft ride



13 Green Mountain Drive • Cohoes, NY 12047
800.458.9283 • www.aquaticgroup.com