



# project services case study

Six Flags Great Adventure  
Jackson, NJ

**H**urricane Harbor at Six Flags Great Adventure, designed and built by Aquatic Development Group Inc. accomplished two primary objectives. The first objective was to design a 10,000 person in-park capacity waterpark that would provide guests with a tremendous entertainment experience spread throughout thirty forested acres without losing the synergy created in more intimate facilities. The second objective was to develop a park that would encourage longer visits and increased in-park spending. ADG's design produced a highly entertaining waterpark that handles 11,000-person-days comfortably and has far exceeded anticipated in-park spending.

ADG's role was to provide a complete turnkey design, engineering and construction of the largest waterpark built in the United States. The approach to the project was simple; evaluate and use the site as effectively as possible. The mature Oak trees that blanket the site are one of its greatest assets, so ADG saved 75% of all the trees. By utilizing existing topography as much as possible to eliminate costly clearing and earthwork, ADG's engineer's developed a site plan that did not raise or lower a contour more than one foot except for a section of river that cut through a ridge.

ADG developed a site plan around a core village island, which is filled with guest amenities and support facilities. These include a gift building, main food building, two restroom facilities, locker and tube rentals along with numerous food and retail kiosks all set in an environment of lush landscaping and heavily themed architecture. The central village created a cross axis circulation pattern that leads guests off the island to entertainment zones across the river and back again. Secondary circulation patterns exist in an outer ring connecting the various entertainment zones that in-park spending is comparable to that of a dry ride park.

Attention to detail and an understanding of the overall mission by members of our team allowed for features to be adjusted to preserve existing vegetation and site lines without delays to the overall project schedule.



ADG's team worked diligently with our client, consultants and with each other to fulfill our responsibility to deliver a beautifully designed, precisely engineered and masterfully executed waterpark on time and within budget.

Significant facts and figures about Six Flags Hurricane Harbor are as follows:

- Hurricane Harbor is a stand-alone waterpark located adjacent to both the Six Flags Great Adventure Theme Park and Animal Safari Park
- Project Size: 30 Acres
- In-park Capacity of +/- 11,000 people
- 45,000 SF Wave Pool
- 2,500 LF of Meandering River
- Nearly Two Acres of Children's Activity Area
- Two Family Raft Rides
- Fourteen Slides
- Two Food Buildings
- Six Restroom/Changing Buildings

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*continued~*

- Arcade
- Gift Shop
- Numerous Food and Retail Kiosks
- Whitten® Filtration Systems - 28,000 GPM
- WaveTek® Wave Generation Equipment



 AQUATIC  
DEVELOPMENT  
GROUP, INC.

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