

CLAYTON COUNTY INTERNATIONAL WATER PARK- "SPIVEY SPLASH"

2300 Hwy 138 SE,
Jonesboro, GA 30236

Aqua
design systems



GENERAL CONTRACTOR

Integrated Construction & Nobility Inc.
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OWNER

Board of Commissioners of Clayton County Central
Services Department
7994 North McDonough Street
Jonesboro, GA 30236
Phone: 770-477-3587
Carl J Rogers, Director

START DATE/COMPLETION DATE

11/2021 – 12/2022

PROJECT MANAGER/SI

Superintendent: Jeff Purcell (retired)
Project Manager: Jason Pruitt (current)

SQUARE FOOTAGE

5525 sf kiddie pool, 2825 sf plunge pool, 3700 sf deep
pool, 5441 sf splash pad, 6557 sf wave rider with deck,
15574 sf lazy river

DESCRIPTION

The Clayton County International Water Park consisted of 5 bodies of water: a dual-use pool, kiddie pool, lazy river, splash pad, and Florida. When we started this project, it already had an existing 4 slide plunge pool that we had to demolish but leave the slide tower in tact. The first pool we built was the 6,525 SF dual-use for the slide plunge and a leisure area complete with basketball goals and a volleyball court. The kiddie pool is a 5,525 SF interactive pool with the second largest Splashtacular aquatic play unit they have built to date. The kiddie pool also has above ground water features and a zero entry with bubblers as well as islands with palm trees that mist. The 5,600 SF splashpad has both in-ground and above ground water features with zones for different age groups. The splashpad is concrete with a floor system by Life Floor that consisted of a multi-color blend pattern with custom logos for the owner. The lazy river is 12FT wide and 1,279 FT long and is believed to be the longest river in the state of Georgia. The river has 3 crossover bridges with one having a water fall cascade feature and the other two with a pipe falls feature. The river has 9 vertical turbine pumps by River Flow to push the water at 2400 GPM each. Probably the most important feature to the owner on this project is the double Florida surf simulator with two submerged pumps that are 140HP each to push the water. The filtration equipment for each system consists of Mermade sand filters, PACO pumps driven by ABB VFDs and for sanitation they have Pulsar feeder systems for chlorine, Prominent acid feeder pumps and vats, and all being controlled by Blu-Sentinel chemical controllers. In addition to this equipment the splashpad and kiddie pool have Delta UV units for additional sanitation. The biggest obstacle to overcome was the schedule, by the time we started on the river we were approaching winter and lots of rain. To stay on schedule, we had to construct the river with two crews working in opposite directions to meet at point in the middle. We were able to do this because the river has 11 expansion joints, so we broke it down into sections.

