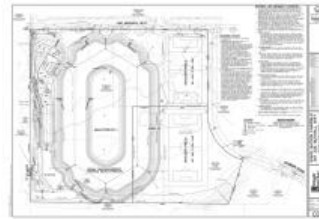


# Wake Nation Fairfield, OH



One of only seven such facilities in the country, Wake Nation is a 20 acre wakeboarding facility that features a man-made lake with tow ropes pulled by cables allowing people to wakeboard, wakeskate, water ski and knee board without a boat. The site also features a second practice lake, observation deck, pro shop, and concession stand.

Located in the flood plain without a well defined outlet for runoff, the site featured no storm piping. Maximizing land use, while minimizing site runoff was a key concern for Wake Nation. Neighboring downstream properties include residential lots, so the need to maintain no concentrated runoff was a priority, and because of the lake's recreational use, no building or parking lot storm water runoff could be directed back towards the lake. Bayer Becker's design solution featured a separate system to handle run off from the building and parking lot only. To minimize impact to the local groundwater supply, an additional water quality basin was provided to treat parking lot and building runoff prior to infiltration into the ground water.

In addition to site infiltration, Bayer Becker's ability to multi task and our familiarity with the area and its regulations were on full display with this project. While providing design for Wake Nation, Bayer Becker coordinated with the City of Fairfield Parks Department on the design of their neighboring project involving the creation and renovation of soccer fields along the east side of the lake. Multiple agencies and jurisdictions were involved, because even though the project is located in Fairfield, its municipal water supply comes from the City of Hamilton. As a result of our design expertise and capabilities both projects were completed on time and will benefit the city for years to come.



## Project Stats

<b>Client:</b>	Wake Nation Cincinnati
<b>Location:</b>	Fairfield, OH
<b>Year:</b>	2008
<b>Market:</b>	<a href="#">Parks &amp; Recreation</a>
<b>Project Size:</b>	20.00 Acres

## Services Provided:

### SURVEYING SERVICES

Construction Layout & Staking  
Easement Exhibits & Descriptions  
Record Plans  
Topographic Surveys

### CIVIL ENGINEERING SERVICES

Earth Retaining Structures  
Erosion Control Planning, Permitting & Inspection  
Grading & Earthwork Analysis  
Pump Station Design  
Storm Water Collection System  
Storm Water Control Facilities  
Storm Water Pollution Prevention Plans

### TRANSPORTATION ENGINEERING SERVICES

Roadway Design

### LANDSCAPE ARCHITECTURE & PLANNING SERVICES

Site Planning