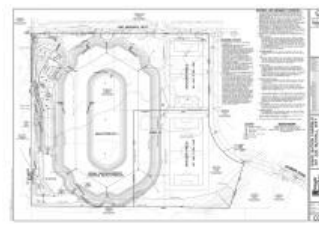


Wake Nation Fairfield, OH



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

Client:	Wake Nation Cincinnati
Location:	Fairfield, OH
Year:	2008
Market:	Parks & Recreation
Project Size:	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