



PROJECT EXPERIENCE

Parks and Recreation

The REC Fairview Heights, Illinois

Prime Civil Engineering, Surveying, and Geotechnical Engineering Firm

Millennia Professional Services is serving as civil engineers, surveyors, and geotechnical engineers for this new 58,000 SF indoor/outdoor recreation center on 26 acres for the City of Fairview Heights. Nearly 12,000 square feet of the recreation center will be dedicated to an indoor aquatic facility with a 25-yard multi-lane lap pool, children's spray ground, slides, and a vortex channel (also known as a lazy river). The center will also feature a 6,000 SF fitness center with areas for free weights, floor exercise, aerobic, and group fitness; a gymnasium; a climbing structure; elevated running tracks; a 400-meter, six-lane running track; a game area for billiards, cards, and table tennis; locker rooms; multi-purpose and party rooms; and administration offices. Outdoor soccer fields, a dog park, pavilions, playgrounds, and a 1.5-mile walking path and nature trail are also part of the plans.

Client:

City of Fairview Heights
10025 Bunkum Road
Fairview Heights, IL 62208
Phone: 618.489.2000



Development challenges overcome by Millennia include solving the lack of municipal water service to accommodate fire flows to the building, lack of adequate sanitary sewer service, and potential hydrostatic pressure from seasonal high ground water impacting the building and specifically the indoor pool. These challenges were overcome with the design of an on-site storm water retention basin and dry hydrant connection which provides the required water demand for a potential fire event. Furthering the building will be served by a new sanitary sewage pumping station and off-site force main, and a subsurface drainage system beneath the building/pool to alleviate ground water issues.

Millennia worked closely with the Illinois Department of Transportation to allow the city to remove existing site barriers (large berm and overgrowth) between the new building and Interstate 64 which not only allows building visibility from the interstate but great views from inside the building facing the highway.

Millennia also provided ongoing construction materials testing and staking for the project.

The project is expected to be complete and open in early spring 2019, when the city will be celebrating its 50th anniversary.

