

East End Park Project Fact Sheet

Project Background

Following the widespread flooding that was experienced during the storm events of June and July 2010, and April 2013, Christopher B. Burke Engineering, Ltd. (CBBEL) was hired to develop a comprehensive flood plan for the City of Elmhurst (City). As part of the comprehensive flood plan, thirteen (13) flood-prone areas throughout the City were studied to determine proposed drainage improvements to alleviate the flooding in those areas.

The most cost-effective solution identified to reduce flooding is the creation of flood storage open spaces within the City. Several open areas identified in the comprehensive flood plan involve property owned by the Elmhurst Park District, including East End Park. The creation of flood storage at East End Park would benefit many homes in the Geneva Avenue flood problem area, which is located immediately west of the park.



Conceptual Solution

Project Details

Creating flood storage in the open space area of East End Park in conjunction with the construction of relief sewers would significantly reduce the risk of flooding for the homes in the Geneva Avenue flood problem area in Elmhurst.

Key Benefits and Facts

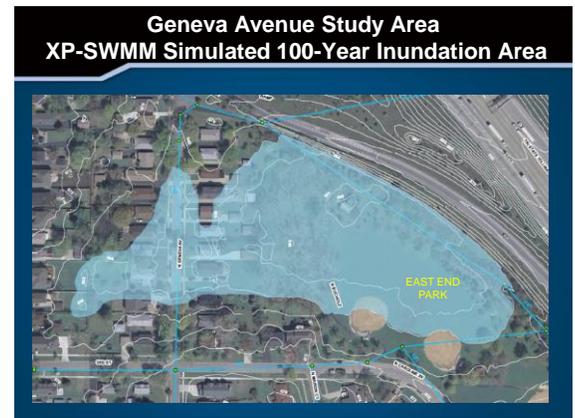
This project would provide flood-reduction benefits to the 9 homes in the Geneva Avenue study area that would currently flood during a 100-year design storm event. Approximately 4 acre-feet of additional flood storage can be provided in the western portion of East End Park, which is currently used as baseball fields. The conceptual project cost is \$1.9 million and the construction timeline is estimated at approximately one year.

Project Description

The goal of this project is to reconfigure a portion of East End Park to provide a location to safely hold stormwater and also maintain the existing recreational uses of the site. As seen in the picture at the top, conceptual facility improvement plans were developed with the intent of improving two of the three existing baseball fields and also adding a soccer field in this location. The facilities will also be enhanced with improvements to the off-street parking area located along Third Street.

To maximize playability of the fields, stormwater would not be diverted into the park unless the capacity of the existing storm sewer system is exceeded. Less frequent, non-flood causing events would not impact the park, as stormwater would bypass the area. During significant storm events, pipes would divert water away from the flood-prone areas and convey it into East End Park.

Under existing conditions, East End Park acts like a flood storage area during significant storm events, and the proposed improvements would increase the flood storage capacity for this facility. This portion of the park is designed to completely fill for the 100-year design storm event; stormwater would be held temporarily at the site and then drain by gravity to the existing storm sewer system. The total period of inundation on the playing fields would be less than 24 hours.



Inundation Area