

## Wild Meadows Trace 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.



### Conceptual Solution

The most cost-effective solution identified to reduce flooding is the creation of flood storage in existing open spaces throughout the City. Several open areas identified in the comprehensive flood plan involve property owned by the Elmhurst Park District, including Wild Meadows Trace. The creation of flood storage at this facility would benefit several homes in the Seminole Avenue/Cottage Hill Avenue study area.

### Project Details

Creating flood storage in the open space area of Wild Meadows Trace would significantly reduce the risk of flooding for the Seminole Avenue/Cottage Hill Avenue flood problem area.

### Key Benefits and Facts

This project would provide flood-reduction benefits to 4 homes in a 100-year design storm event. Approximately 3 acre-feet of flood storage can be provided in the open space area of Wild Meadows Trace adjacent to the Illinois Prairie Path. The conceptual project cost is \$0.42 million and the construction timeline is estimated at approximately six months.

### Project Description

The goal of this project is to provide a location to safely hold stormwater without disrupting 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 maintaining the existing open space area of the park, but would include a new bike path connection and the area would also be enhanced with several newly planted trees.



### Inundation Area

To minimize the impacts on the usability of the site, stormwater would not be diverted into the site unless the street ponding along Seminole Avenue becomes so severe that it overtops the curb and enters the proposed flood storage area to the south. Less frequent, non-flood causing events would not impact the site, as stormwater would bypass the area and drain to the existing storm sewer system. For more significant storm events, stormwater would be held temporarily at the site and then drain out by gravity to the existing storm sewer system, with a total inundation period of less than 24 hours.