

## Flood Control Project for the Melvina Ditch Reservoir Improvements

**Project Number:** 14-263-3F

**Service Area:** Stickney

**Location:** Burbank, IL

**Engineering Consultant:** V3 Companies of Illinois, Ltd.

**General Contractor:** To be determined

**Estimated Construction Cost:** \$19,827,123.55

**Contract Award Date:** September 2017\*

**Substantial Completion Date:** March 9, 2020\*



**Project Description:** The project consists of expanding the existing Melvina Ditch Reservoir by up to 195 acre-feet to increase its storage capacity (up to 118% increase), modifying the pump station to accommodate the reservoir expansion, and installing a new emergency overflow weir to reduce the likelihood of reservoir overtopping. Reservoir expansion will include work within the existing reservoir footprint (MWRDGC property) and additional private properties around the perimeter of the reservoir. Based on local stakeholder's feedback, a configuration was chosen for the proposed reservoir expansion. The figure depicts the limits of the expansion areas under consideration. The project includes installation of an emergency overflow/high water bypass structure and three flap gates, replacement of existing elliptical culverts with a dual box culvert and stormwater chamber, removal and servicing of two storm pumps, and lengthening of pump impellers.

**Project Justification:** The Melvina Ditch Reservoir has exceeded its capacity in recent storm events, resulting in flooding in Burbank and Oak Lawn.

**Project Status:** This project is currently in the preliminary engineering stage. Construction of the Melvina Ditch Reservoir Improvements is anticipated to take 30 months.

A portion of this project will be funded through a grant from the State of Illinois through its Build Illinois Bond funds.

This project is funded under the Capital Improvements Bond Fund. See Section V Capital Budget for additional information.

\*Information shown is estimated.