

Melvina Ditch Reservoir Improvements

Project Number: 14-263-3F

Service Area: Calumet

Location: Burbank, IL

Engineering Consultant: V3 Companies of Illinois, Ltd.

General Contractor: To be determined

Estimated Construction Cost: \$21,452,000

Contract Award Date: February 2017*

Substantial Completion Date: March 2018*



Project Description: This project consists of expanding the existing Melvina Ditch Reservoir by up to 195 acre-feet to increase its storage capacity (up to 118 percent increase), modifying the pumping 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 (District property) and includes additional private properties around the perimeter of the reservoir. Local stakeholders gave feedback and a reservoir expansion configuration was selected. Additional work includes the installation of an emergency overflow/high water bypass structure and three flap gates and the replacement of the existing elliptical culverts at the outlet of the Melvina Ditch Reservoir Pumping Station with dual box culverts and a stormwater chamber. Construction limits are immediately adjacent to the pumping station and in the 87th Street right-of-way as needed to install the culverts and to replace any disturbed utilities in conflict with the installation. Storm pumps will be removed and serviced and the impellers will be lengthened.

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 final design engineering stage. Construction of the Melvina Ditch Reservoir Improvements is anticipated to take 28 months. A portion of this project will be funded through a grant from the State of Illinois through its Build Illinois Bond Fund.

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

*Information shown is estimated.