



**DUPAGE  
COUNTY**

Watershed  
Management

Water  
Quality

Floodplain  
Mapping

Regulatory  
Services

Flood Operations  
& Maintenance

Shared  
Services



# STORMWATER MANAGEMENT

## MEMORANDUM

TO: Stormwater Management Planning Committee

FROM: Sarah Hunn, P.E., Director- DuPage County Stormwater Management

SUBJECT: Stormwater Program Update September 2025

DATE: September 2, 2025

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### ***Watershed Planning***

#### ***Prentiss Creek Watershed Plan:***

The existing conditions hydraulic model of the Prentiss Creek Watershed is being updated and results computed for the entire historical series of rainfall events. Additional survey data was requested by our consultant for five different areas within the watershed. The survey information in three of those areas is being obtained by county staff, and was completed in August. The information needed for the other two areas is being obtained by the County on-call surveyor which is still in-progress. Our consultant also revised some of the interior catchment areas of the watershed, and staff is re-running the land cover for the FEQ model. The first watershed plan stakeholder meeting is being scheduled for September 25, 2025. The Prentiss Creek Watershed includes portions of Downers Grove, Woodridge, Darien, Lisle, and Unincorporated DuPage County.

### ***Facilities/Operations/Shared Services Projects***

#### ***Shared Services/Drainage Projects:***

The in-house maintenance crew broke ground on a culvert removal project in Bloomingdale Township at the end of August. This project will return the existing stream back to its original state, with native vegetation along the banks. The in-house crew also completed a shared services project for the Village of Villa Park that included stabilization of a storm sewer outfall into Salt Creek.

Upcoming projects include a DCEO funded drainage project (90<sup>th</sup> and Kaye Lane) that is expected to break ground, and be completed, this fall. An existing metal storm sewer will be lined, and new storm sewer will be introduced in the right of way to collect rain from the street and adjacent properties.

#### ***Facilities/Operations:***

From Saturday, August 16<sup>th</sup> through Monday, August 18<sup>th</sup> there were several storms that moved through DuPage County, some of which produced very heavy rainfall resulting in flash floods. The total rainfall from these events ranged from 4 to 9 inches with the highest amounts recorded in the Lisle area. DuPage County Stormwater Management's field crew responded to calls for assistance on Saturday night and again on Monday by pumping floodwaters in areas of Westmont and Lisle.

It is estimated the County's flood control facilities took in over 82 million gallons of water throughout these storms including the operation of Armstrong Park Reservoir (Carol Stream), Spring Creek Reservoir (Bloomingdale), Elmhurst Quarry, as well as

many of our smaller gravity drained facilities. Staff continues to monitor rainfall forecasts, stream elevations and rainfall gages throughout the County and are prepared to operate our flood control facilities as needed.

At the Elmhurst Quarry, Independent Mechanical Industries continues progress on pump station upgrades in the West Lobe. A new motor control center has been set, new pumps have been placed, and some of the new infrastructure has been painted. This project is expected to reach substantial completion in the upcoming weeks.

### **Water Quality**

Work continues on the IL EPA funded Watershed-Based Plan for the north half of the West Branch DuPage River, which includes working with a consultant on an HSPF water quality model. The plan is scheduled to be completed by the end of 2025.

Staff is reviewing new requirements in the NPDES General Permit No. ILR40 from IL EPA. Training sessions are being scheduled for municipal, township, and county staff. Programs must be updated to comply with the new permit within one year. The reissued permit runs through July 31, 2030.

### ***Regulatory***

Stormwater regulatory work continues to be very high. To meet this strong demand, we've increased the number of pre-application meeting slots available and have held numerous stormwater review meetings with applicants and their consultants. These meetings help them understand development and submittal requirements. In addition, we're making good progress on the Stormwater Ordinance Guidance Document. We provided a summary of work and an update on the document's status to the Municipal Engineers Discussion Group during their meeting in August.

### ***ARPA Projects***

The St. Joseph Creek Condominiums flood gate and flood wall projects are coming closer to completion. Three of the five gates have been installed, with the last two in progress. The last two gates are being installed concurrently to minimize impacts to residents. Substantial completion is still expected this Fall.

### ***IEPA Section 319 Grant Project***

The Winfield Creek/Campus Stream Stabilization Project broke ground mid-July. The contractor, Semper Fi Landscaping, Inc., has cleared all vegetation and stabilization of the streambank has begun. When complete, portions of Winfield Creek that traverses through campus will have rock lined streambanks, water quality improvements including native plantings, and stabilized outfalls from nearby storm sewer that discharges into the creek.