



**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 July 2023

DATE: July 11, 2023

### ***Watershed Planning***

#### **Lacey Creek:**

The County has obtained as-built roadway plans from Downers Grove and Oak Brook. These plans have been shared with our consultant so the supplemental survey request can be updated and shared with the County's on-call surveying consultant. The survey has commenced.

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

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

Construction on a project in Unincorporated Wheaton (Woodland Oaks) has met substantial completion; all restoration is expected to be complete by the end of June. Staff is working with the on-call contractor on additional projects that are also expected to begin this year. Additionally, staff successfully completed a small-scale drainage project in unincorporated Glen Ellyn, which was also designed and permitted in house.

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

The stormwater flood control facilities continue to be maintained on a regular basis. Armstrong Park Reservoir, Springcreek Reservoirs, Meacham Grove Reservoir and several smaller facilities diverted flood water in the July 1<sup>st</sup> flood event.

### ***Water Quality***

DuPage County inspects storm sewer outfalls for illicit discharges on behalf of municipalities and townships for compliance with the IEPA Permit# ILR40. For 2023, inspections are targeted in East Branch Watershed. To date, 28% of scheduled inspections have been completed.

### ***Regulatory***

Regulatory is currently processing a record level volume of Stormwater Certification (permit) applications, while wetland, engineering, and drainage staff are occupied with reviewing permits and performing field inspections. The regulatory group is still managing their workload, including over a hundred pre-application meetings already booked this year.

### ***Floodplain Mapping***

A change order with Christopher B. Burke Engineering (CBBEL) for floodplain mapping services on Klein Creek will be on the July Stormwater Management Committee agenda for approval. Additional contract budget and time is being requested. Our two consultant contracts for surveying and for hydraulic modeling and floodplain mapping assistance are underway. Additional survey along Klein Creek has been completed and model updates on East Branch Tributary #2 are being performed. Automation of the County's hydrologic procedures continues with ECT and the USGS. Staff testing of the automated tool is expected to occur at the end of July.

In-house mapping updates on West Branch Tributary #1 are progressing and utilizing the extended historical time series of storm events (TSF) generated using our automated hydrologic procedures. Work on Ferry Creek (West Branch) and Spring Brook (Salt Creek) model updates is also progressing. With information from CMAP (Chicago Metropolitan Agency for Planning), land use codes for parcels within the Klein Creek and West Branch Tributary #1 watersheds were updated by in-house staff. Land use codes are converted to various land surface coverage such as pavement, grassland, forestland, and agriculture. It is these coverages that are input into our hydraulic models and determine the amount of storm water runoff into the stream system. Staff will continue these land use code updates on a watershed basis until the entire county is updated.