



**DUPAGE
COUNTY**

Watershed
Management

Water
Quality

Floodplain
Mapping

Regulatory
Services

Flood Operations
& Maintenance

Shared
Services



STORMWATER MANAGEMENT

MEMORANDUM

TO: Stormwater Management Planning Committee

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

SUBJECT: Stormwater Program Update May 2023

DATE: May 2, 2023

Watershed Planning

Lacey Creek: The supplemental surveying list has been initiated based on discussions with County staff and our consultant as well as as-built roadway information that has been provided. The County's on-call surveying consultant will begin the survey work during the month of May.

Facilities/Operations/ Shared Services Projects

Shared Services/Drainage Projects:

With the recent Spring rain, the department's drainage division responded to 49 reports from concerned residents requesting assistance due to stream blockages, backyard flooding, structure and roadway flooding, and infrastructure failures. Staff has addressed several of these localized drainage concerns and continues to design and permit projects in-house, most of which will be constructed by the Department's in house crew in the upcoming months.

Construction on a project in Unincorporated Wheaton (Woodland Oaks) has begun and is anticipated to be completed by early summer at the latest. Staff is working with the on-call contractor on additional projects that are also expected to begin this year.

Facilities/Operations: The Armstrong Park Reservoir, Spring Creek Reservoir and several smaller County owned facilities operated during the severe rainfall that occurred on Friday evening 3/31/23. Several streams in the northern and central portions of the County rose to minor flood elevations due to approximately 2.0 inches of rain that fell over these areas. The Armstrong Park Reservoir also operated on Wednesday 4/5/23 following another rainfall that produced approximately 1.0 inch of rain over saturated ground conditions.

Water Quality

Since 2008, DuPage County has been inspecting outfalls for illicit discharges on behalf of municipalities and townships for compliance with the IEPA ILR40 Permit. Staff will soon begin screening for the 2023 season, which will be focused on the East Branch DuPage River Watershed. Inspections consist of a visual screening of storm sewer outfalls followed by chemical field testing as necessary. Staff cooperates with municipalities on tracing and enforcement.

Regulatory

Staff have been continuing to process Stormwater Certification applications on pace with increased development. Additionally, the Permitting Drainage Division has been working with Building and Zoning to inspect and issue permanent occupancy of structures.

ARPA Update

Municipal & Township Match Funding: Staff will continue to review and process reimbursement requests from municipalities as they are received. The first township ARPA request was received and processed for Milton Township. It is expected that the reimbursement requests will pick up significantly with spring/summer construction season.

County Stormwater ARPA Projects:

Stormwater staff continues to work with engineering consultants to provide design engineering services on the Lufkin Pond Basin (Villa Park) and the Main Street Storage Basin (Lisle). Staff have been working with our consultant to finalize plans for the Lufkin Pond Project. Public Works staff from Villa Park recently completed the on-site tree removals for the project, and staff is working on a draft IGA with Villa Park for the details of the project. Permit submittals for the project have recently been submitted and construction on the Lufkin Pond project is expected to begin in late summer 2023. The team for the Main Street Storage Basin is continuing to work on the design, and staff has recently received and reviewed 75% construction drawings and cost estimate. DuPage County staff, our consultant, and staff from Lisle recently met at the project site to discuss details of the project. Construction on the Main Street Storage Basin is expected to begin in late fall 2023.

The Smith and Cambridge Drainage Improvement Project in unincorporated West Chicago is underway. Martam Construction continues to make progress on the second ARPA project under the department's supervision; approximately 50% of the storm sewer for the project has been installed. Another ARPA project, Country Club Highlands Phase II, is still under regulatory review, with approval expected soon. Staff is working with the design consultant to complete specifications for the project, which will be put out to bid for award in Summer 2023. When constructed, this project will provide additional flood protection to unincorporated Elmhurst, connecting to existing infrastructure under existing roads that ultimately discharges into Addison Creek.

The Department's On-Call Construction contract has been awarded to Earthwerks Land Improvement and Development Corporation Inc. This bid will utilize ARPA funds to complete smaller-scale Stormwater-initiated projects such as streambank stabilization and local drainage projects to address water quality and localized/urban flooding countywide. The first project associated with this contract is a streambank stabilization project along Winfield Creek. Earthwerks mobilized in mid-March and staff will be managing the project in-house until it is completed.

Additional ARPA related projects throughout the County are also in the design and permitting stage.