



**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 April 2023

DATE: April 4, 2023

Watershed Planning

Lacey Creek: The County's consultant has provided a list of supplemental surveying needs for the Lacey Creek watershed. This list is currently being reviewed. Stormwater Management will utilize an on-call surveying contract to obtain the hydraulic structure information to update the existing conditions hydraulic model.

Facilities/Operations/ Shared Services Projects

Shared Services/Drainage Projects: With the recent spring rain, residents have called to request assistance during storm events and after the rain to address localized flooding. Staff has addressed several 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.

Construction on a project in Unincorporated Wheaton (Woodland Oaks) will begin soon and will be completed by the on-call contractor.

Facilities/Operations: The Armstrong Park Reservoir, Spring Creek Reservoir and several smaller County owned facilities operated during the rainfall event that began on 2/27/2023. Several streams rose to minor flood elevations due to approximately 1.5 inches of rain that fell over several days on partially frozen ground and saturated conditions from rainfall the previous week.

Water Quality

Staff conducts inspections of stormwater outfalls throughout the County to detect illicit discharges. The current schedule includes outfall inspections in one major watershed per year. In 2023, Stormwater Management staff will conduct outfall monitoring of the East Branch DuPage River Watershed. These inspections consist of a visual screening of storm sewer outfalls followed by chemical field testing as necessary. In the event of a suspected illicit discharge, staff will contact the municipality to cooperate on tracing and enforcement.

Regulatory

The workload for Stormwater Certification applications and staff reviews has remained consistent. However, with the impending warmer weather, there has been an increase in requests for wetland boundary verifications.

ARPA Update

Municipal & Township Match Funding: Staff received and processed a reimbursement request from the City of Wheaton for the Dorset Flood Improvement Project in the amount of \$65,916.04. This brings our match funding expenditures up to \$2 million.

County Stormwater ARPA Projects:

Stormwater consultants continue to provide design engineering services on the Lufkin Pond Basin in Villa Park and the Main Street Basin in Lisle. Staff has a meeting with Villa Park and the Park District to discuss the design and construction coordination for the Lufkin Pond Project. This pond expansion project is located on park district property. Excavated material will be placed on the northern portion of the property and rough graded to reduce off site waste and to be used for future park amenities.

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.