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STORMWATER MANAGEMENT

MEMORANDUM

TO: Stormwater Management Planning Committee

FROM: Christopher Vonnahme, Deputy Director

SUBJECT: Temporary License Agreement with the Village of Carol Stream

DATE: January 30, 2024

The Village of Carol Stream has requested the use of the County's Armstrong Park Flood Control Facility to bypass Klein Creek flows in order to construct streambank stabilization improvements along the stream between Mitchell Lakes and Illini Drive. The Armstrong Park Reservoir project was identified in our Klein Creek Watershed Plan and constructed within the Village in 2013. The facility consists of a two-reservoir system that operates when Klein Creek experiences flood stages. The lower reservoir takes in flood water directly from Klein Creek, and once it reaches a certain elevation, the flood water is pumped into an upper reservoir. The upper reservoir is a much larger storage basin located directly to the west of the lower basin. Once Klein Creek recedes, the flood waters are released through a siphon and storm sewer system that bypasses the Armstrong Park neighborhood and outlets back to the stream in the vicinity of Kuhn Road and North Avenue.

The Village has designed, permitted, and awarded a streambank stabilization project along Klein Creek, part of which runs adjacent to the Armstrong Park Flood Control Facility. The project is partially funded by Stormwater Management's Municipal ARPA grant program and the Village is planning to break ground in the upcoming weeks. The project includes a bypass pumping plan to be implemented by their contractor. This will allow the Village's stabilization work to be completed under dry conditions, which is a requirement of the regulatory permits obtained for the project. Part of this bypass plan includes pumping Klein Creek water directly into the upper reservoir which is owned and maintained by Stormwater Management. Staff has been working with the Village on terms of a Temporary License Agreement that would allow the bypass pumping to take place. Under no circumstances will the bypass pumping impact the operations or the integrity of the Armstrong Park Flood Control Facility. Stormwater Management staff will be working with Village staff throughout the duration of the project to ensure timely completion and compliance with the Temporary License Agreement. The Village's project is expected to be complete by the end of May 2024.