

CITY OF BATAVIA

Date: August 19, 2016
To: Committee of the Whole (CS) – August 23, 2016
From: Andrea M. Podraza, P.E., CFM – Senior Civil Engineer
Re: **Ward 1 Drainage Investigation with WBK Engineering, LLC.**

As part of the City of Batavia's efforts to alleviate repeated drainage concerns in our 1st ward funds were allocated to this fiscal year to conduct a drainage study. The City of Batavia sought out qualifications and a cost proposal from consultants to study the existing storm sewer capacity, the hydrology and complete a hydraulic analysis for the project limits within this ward. The area of concern is generally bound by Pine Street to the north, Raddant Road to the west, Giese Road to the south and Kirk Road to the east. During the June 15, 2015 rain event this area experienced stormwater back-ups that have not been seen in the past. There was water filling numerous streets within this neighborhood, sometimes backing up into yards and an occasional house. The City hired WBK Engineering, LLC. to complete a full investigation and analysis on the storm sewer system in this area. The analysis included the routing, sizing, locations of restrictions, and hydraulic capacity of the storm sewer system including the culvert located under the Kirk Road, where the system ultimately discharges to a channel. The final report has been prepared with the consultant's findings, proposed improvements with associated preliminary cost estimates and WBK will be presenting this to the Committee of the Whole on August 23rd.

This is the first project out of the \$400,000 allocated in the 2016 budget to investigate/study, prepare design drawings and/or construct solutions on a city-wide basis to help alleviate the drainage and sewer back-ups problems encountered most recently with the June 2015 rain event. The attached report states that in order to update the current storm sewer to meet today's design standards it would cost a total of \$2,195,000. The Council will have to determine the funding availability and duration (time in years) to design and construct the findings from this report. In addition, Staff will be presenting the findings from Area 2 & 3 in the combined sewers area in mid-September.