McMAHON
ENGINEERS ARCHITECTS

To: **The Village President and Board of Trustees**

From: **Chris Dopkins, P.E., Village Engineer**

Re: **Engineering Report – August 2021 Activity**

Date: **September 6, 2021**

Please allow this memorandum to provide a brief summary of major activity over the past month that involves the engineering department:

- **Sanitary Sewer Cleaning/Televising Phase II:** As previously reported, there are a number of laterals along State Street that were to be televised. The Contractor has completed the field work and has turned the video over for review. Our office will review the video and provide a brief summary of the results.
- **Public Works Building:** As you will recall, the Village is utilizing grant funds in the amount of $200,000 to help offset the cost of the building, and that grant funds were going to be distributed to the County who would then distribute them to the Village of Poplar Grove, and the City of Belvidere. In early May, the County advised that DCEO had decided to separate the funds such that the City, Village and County were all working under separate grant agreements. In July, the County has now advised that DCEO has reversed its decision to separate the funds and therefore we are once again awaiting the arrival of the grant agreement. The County further advised that they were contacted by DCEO during the week of July 26th, and that DCEO was actively working on the grant agreements however we have yet to see the agreements. At this point, I think it's advisable to bid the project over the winter months and construct the building in 2022.
- **2021 Maintenance Program:** The work is complete, and we are currently reviewing contract quantities. We hope to have the first pay application to the COW in September.
- **West Grove Park Improvements:** The Contractor has constructed the footings for both the restroom and pavilion, and has constructed the slabs for the restroom as well. We are advised that the are likely to arrive to the site around the end of November. The contractor plans to have all of the footings, slabs, and restoration complete in the next couple of weeks, and then they'll place the structures once they arrive to the site.
- **IL 173 Water Main Improvements:** As you may recall the Village obtained a permit from IDOT for the installation of the water main within the IL 173 right of way. IDOT noted that a water box needed repair and the contractor has made the repair with the exception of filling the sawed joints in the pavement which should be complete in the next couple of weeks. Once the joints are filled we will close out the IDOT permit.
- **Park & Main Drainage Improvements:** The Contractor has initiated its work, and the project is moving along nicely. At the time of this memo, the work in the western drainage way (located in Sherman Oaks Subdivision) is 80% complete and work along 204 Park Street is approximately 40% complete. During construction of the westerly drainage way improvements, we located a field tile that continuously discharges water. The tile was apparently cut during the construction of the subdivision improvements and was simply abandoned in place. That tile is going to cause problems as it appears to continuously discharge water. Thankfully, there is a solution which is to connect the improvements that we are currently constructing into a tile system that was discovered a couple of years ago, and I have attached a schematic drawing that depicts the solution. We are currently developing a project scope and opinion of construction cost, and we strongly recommend that the Village construct the improvements as soon as possible in 2022.

June 9, 2021



Designer Notes:

Some survey data is top of pipe as inverts were silted. Inverts and slopes are approximate.

Drain tile location is approximate. There are no drawings on file for the tile system, and tile is drawn in based on observations of the vent located at the corner of 225 W. Park.

N W E S

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SCALE: 1:1,776

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