McMAHON
ENGINEERS ARCHITECTS

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

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

Re: **Miscellaneous Sanitary Sewer Repairs - 2021**

Date: **September 8, 2021**

As you will recall, the Village has been planning several sanitary sewer spot repairs which are as follows:

- Park Street: There are a number of utilities (gas, electric and perhaps a water service) that have been directionally bored through the sanitary sewer on Park Street. The utilities will lowered or raised to resolve the conflict, and the sewer main will be repaired. It is worthwhile to note that the Village intends to seek reimbursement from the utilities where possible. There is also a severely offset joint approximately 50' from a manhole as well as a protruding tap. It only makes sense to make these repairs concurrently with the other work as they are in very close proximity to each other.
- Main/State: There are two repairs at this location. The first is a repair to the sanitary lateral to Moscato's Pizza, it has failed and requires replacement. Under code, it is the Village's responsibility to make repairs to the portion of the service within the right of way. Second, there is a severely offset joint approximately 10' west of the manhole. It only makes sense to repair the offset concurrently with the repair to the Moscato's Pizza lateral as again, they are in close proximity to each other.
- 306 South State: The service to this home has experienced settlement (or was not constructed properly) and is now to the point where it must be jetted every few months in order to function properly. Again, it is the Village's responsibility to make repairs to the portion of the service within the right of way.

In May of this year, we prepared a simple set of drawings/specifications and requested proposals from a number of qualified contractors. Only two contractors submitted proposals which ranged from $125k to $175k, and staff felt that the costs were not representative of the work. We then decided to eliminate the Park Street work from the project scope, and went to our low contractor (Stenstrom) and requested them to revise the pricing to only include the sanitary service repairs at Moscato's and 306 South State. Revised pricing came back at approximately $80,000, and again, staff felt that that the cost was not representative of the work. We then requested additional quotes for the sanitary sewer repairs and only received one which was approximately $90,000.

It is important to understand that the sanitary lateral repairs are not easy and carry considerable risk. The Moscato's repair will take place immediately adjacent to the foundation of the building, and the repair to the lateral at 306 State is some 10' deep across a very busy road. Both projects have existing utilities that make it difficult to place trench boxes, and of course anytime that excavation occurs around an existing utility there is risk. The risk that the contractors are seeing is being built into the pricing, and if things go well the Village could very well pay for risk that does not develop during construction.

After close and careful consideration, staff feels that a better approach is to partner with a group of contractors in order to complete the project on a time and expense basis. In doing so, the Village could realize cost savings if things go well. On the other hand, the Village is essentially removing risk from the contractor and should things not go well the Village could very well incur additional costs. That said, at least the Village will be paying for costs that were actually required in order to carry out the project vs. paying for the potential risk of the project.

Staff proposes to partner with three contractors, one for the underground improvements, one for the concrete work and one for the HMA paving. At the time of this memorandum, we have a good idea on who the underground and concrete contractor will be, but we are still vetting HMA paving. Assuming the Committee concurs with this approach, staff will prepare a resolution to retain contractors to complete the work on a time and expense basis. We look forward to discussions at the Committee Meeting.