

TOWN OF WEST SENECA



ENGINEERING DEPARTMENT

TOWN SUPERVISOR
GARY A. DICKSON
TOWN COUNCIL
WILLIAM P. HANLEY JR.
JEFF PIEKAREC
JOSEPH CANTAFIO
WILLIAM BAUER

March 17, 2021

Honorable Town Board
Town of West Seneca

Re: Woodward Drive Sewer Backups

Honorable Board Members,

During the recent thawing that occurred there were additional backups on Woodward Drive Sewers. We replaced one section of 8-inch pipe that was installed at less than the minimum slope with a new 10-inch pipe so that flushing velocity could occur earlier this year. After that section, there are two more sections totaling a little over 400 feet running at minimum slope that drain to a manhole at Mill Road. The outfall of this sewer is about 6 feet above the bottom of the manhole on Mill. One section of that pipe collapsed during the thawing event, therefore causing backups into the new sewer pipe that was installed, effecting residents on Woodward and Blair. The Town Sewer crews bypassed the collapsed section to relieve the issue and the Emergency repair contractor was called out to repair the collapsed section of sewer. Video inspection of the sewers show that there are "bellies" in the sewer, which are areas where the sewer is sagging, causing water to have to build up some elevation to push the water down through this pipe.

The town engineering department checked rims and inverts from Mill to Union road to see if the sewers had adequate slope to where it enters a larger diameter sewer. The slope was found to be adequate for 10-inch pipe, at about 2 times the minimum slope. The reason we checked this is we asked for pricing from the contractor completing phase 6 sewer repairs in town to replace the 2 sections of 8-inch pipe leading to Mill road that are sagging and have minimum slope to ensure we wouldn't cause more issues downstream. In doing so, we will replace 1 manhole, slope the pipe twice as deep as it is now, given it drops into the manhole at Mill Road. We will still drop into the manhole at mill road, but instead of 6 feet above the bottom of the manhole, we will be at about 2 feet above the bottom of the manhole, assuring water will move through this section. The phase 6 contractor received two prices from subcontractors that would assist in this work, with the lowest price being \$160,000. In the phase 6 contract was an allowance of \$300,000, of which we have used about \$130,000 for additional back lot lining in the phase 6 service area. This repair would use much of the remaining allowance from phase 6. Please consider approving the use of the phase 6 allowance to replace two section of pipe on Woodward as described above. The remainder of the Woodward drive area, including Blair Lane is part of the phase 7 sewer rehabilitation project that should be addressed in the next 2 years.

Please contact me should you have any questions about this project.

Very truly yours,
Steven R. Tanner, P.E.
Steven R. Tanner, P.E.
Town Engineer

cc: Files: TB.
Project