



Utility Operations 2019-2020 Improvements

- **Completed Project – Sanitary Sewer Repairs**

- Township Utility Department engaged with Pipeline Management Services for \$113,000 for trenchless sanitary sewer repairs
- Sanitary system was cleaned and televised and allowed the Township to identify;
 - Pipe Cracks
 - Roots entering the system
 - General debris such as grease buildup
 - Other causes of Infiltration
- Once locations of infiltration were identified they were addressed with spot lining and grout
- Steps taken to reduce infiltration will prevent groundwater from entering the collection system, which causing unnecessary wastewater treatment costs and left untreated could lead to pipe failure and flow blockage
- Additionally, manhole structures on Willis were located and raised to pavement surface elevation for future utility operator ease of access and system monitoring.

- **Ongoing Project - Water Meter Program**

- Township Utility Department engaged with SLC Meters Inc in a \$692,000 meter replacement program.
- The contractor is collecting the curb box shut off valve via GPS to make finding them in the future quicker and easier
- Existing meters are out of warranty and transmitter units were starting to fail at a higher rate. When the program began about 25% of meters transmitters were no longer functioning. Note that meters continue to register water usage, but utility had to manually collect meter reads.
- 900+ meters (55%) have been replaced so far, latest billing cycle had 95% automated actual reads and 5 % manuals or estimated reads.
- New meters will allow customers to track their water consumption in real time, 15 minute increments, using the EyeOnWater App.



- Old water meters are being replaced with new Cell equipped Ultra sonic Badger Meters
- **Upcoming Project - Bunton Sanitary Force Main Replacement**
 - 3,140 feet of sanitary force main (FM) to be replaced between Victory Lane to 1,000 ft south of Bemis Road about 2/3rd of the force main length.
 - Existing FM was constructed 45 yrs ago using AC main which breaks down over time where air pockets gather.
 - The northern section of this FM location has experienced a high number of breaks, 7 material breaks since 2011
 - The new FM is proposed to be constructed with High Density Poly Ethelyn pipe and air valves to increase its service life
 - Dependent on permitting and contractor availability project could be started in spring of 2021
 - Current estimated Construction Cost is \$855,000
- **Future Sanitary Pump Station Communication System Upgrade**
 - Township is reviewing options to upgrade pump station communication system so that alarms can be sent from the stations via cell service and data interface using SCADA so it can be viewed with a PC or mobile phone.

For More information on Utility Department project please check out the Augusta Township Utility Website at: <https://augustatownship.org/utilities/>