



February 12, 2019 – Superintendent’s Report

ADMIN UPDATE:

The Utility is seeking approval of DRF #62 for Wessler Engineering in the amount of \$14,823.00

2019 PROJECT UPDATES:

- **Franklin Road Water Main Replacement Project** - This project, designed by Shrewsberry Engineering, will replace the old water main in Franklin Road between 47th and 45th Street and includes the crossing under the CSX tracks. We have completed design work and are awaiting our CSX permit in order to begin the bid phase for construction in 2019.
- **5400 Carroll Road/12000 East 62nd Street Water Main Projects** – These projects are in design and we are now in the process of trying to secure easements. The new mains will provide fire service in areas where there are existing homes with inadequate fire protection and no access to city water for residents, should they desire to connect to city water. These projects will also eliminate four dead-end mains, improving water quality and hydraulic performance of the distribution system.
- **Shadeland Way Water Main Project** – this project is presently in design and is being built to allow the water utility to abandon an old water main at the Richardt WTP that feeds into the subdivision immediately west of the plant while replacing the feed to that subdivision via Mardyke Lane, which also eliminates another dead-end main.
- **Fort Harrison State Park** – There are two water main creek crossings where the mains are now exposed due to erosion of the creek bank/flow line. These mains will be lowered to correct the problem.
- **47th Street Water Main Project, Phase 1** – this project was originally going to be done together with the coming Drainage Project being designed in the same area. However, due to issues with right of way platting, the drainage project will likely be split into two phases and we are doing the same with the water main project. There will be new main in Richardt Street from 48th to 47th and possibly down to 46th. On 47th Street between Richardt and Franklin Road we will tie all the north/south side street mains into the existing 16-inch main and abandon the old 4-inch main, which has a terrible break record. The small 2-inch mains running south of 47th on the side streets will be replaced with new 3-inch mains. The main on Payton Street between 47th and 48th Streets will be replaced entirely. By doing this project we will greatly improve the fire flow capability in the project area as well as abandoning undersized and old mains in poor condition. Because of the amount of work that will require street cuts, such as connecting the side streets into the 16-inch main and transferring service lines over to the 16-inch main, the project will also include street milling and resurfacing instead of patching in order to fix the streets correctly. Wessler Engineering is designing this project.
- **Brookhaven Water Main Project** – this project will include a new 8-inch water main on Kitley Avenue from 46th to 49th, new mains on Katherine Drive from Kenyon to Karen, new main on Kenyon Drive from Leone to Karen Drive, new main on Karen Drive from Leone to Katherine Drive and new main on Leone from 49th to Kenyon Drive. On Kitley, the old 6-inch main is being upsized to an 8-inch to improve fire flow capability in the area. The other streets will have new 6-inch mains, eliminating the old 4-inch mains. Over time, all the mains in this subdivision will be replaced with the outer loop streets (52nd, Kitley and 46th) all having 8-inch mains. Beam, Longest and Neff Engineering was selected to begin the design work and we will have a Master Services Agreement to approve and issue the various main projects in this area as Task Orders on an ongoing basis until the project is

completed. Like the 47th Street project, these areas will also see street milling and resurfacing due to the expected high volume of street cuts required.

- **Phase II Water System Improvements Project** – design work is already underway for round two of our water system improvements projects. Because of our greatly improved bond rating and financial condition with the water utility, we will be funding this round with open marked bonds. This project will include the Fort Harrison and Indian Lake Water Treatment Plants, Winding Ridge ground storage tank, 52nd Street elevated storage tank and water main replacement projects such as Phase II of the 47th Street/Richardt area water main project, and other water main projects yet to be determined. The Phase II Water System Improvements are expected to be upwards of \$12-million.
- **Sewage Lift Station 19** – the design work is complete and we are expecting our permit from IDEM soon and are ready to go to bid. This project is estimated to cost about \$1.12-million. Commonwealth Engineering is the designer and will be handling the bid phase, construction inspection and management phases as well.
- **2019 Sewer Main and Manhole Rehabilitation** – this project will include main, manhole and service lateral rehabilitation utilizing CIPP, cementitious manhole lining and lateral lining with CIPP. The area being targeted is shown on the map attached to this report. As you will recall, we had previously thought to apply for an OCRA Grant for the proposed water system work on the 47th Street water main project, but we believe it would be better to seek the grant for the sewer work instead. We are using the same project area used for the Income Survey already performed and American Structurepoint is beginning to put together the project scope and specifications. Our goal is to make the May 2019 application deadline.
- **New Water Meter Pit Installations** – the Utility will also be continuing to relocate inside meters to pits outside in 2019. The scope of this project has not been determined yet.
- **Large Meter Replacements** – based on recent testing of large meters, the utility will be replacing several large meters which test results indicate are slowing down.

Operational Data:

January Totals

SANITARY SEWER SYSTEM

- 20 - Sanitary sewer lift station work orders completed.
- 8 - Sanitary sewer grinder pump work orders completed.
- 160 LF of sanitary sewer main cleaned.
- Assisted Street Department with snow removal.

LOCATES/LEAK LOCATING/VALVE TURNING/HYDRANT MAINTENANCE/INSPECTIONS

- 15 - Fire hydrant repairs completed.
- 18 - Fire hydrants pumped out to prevent freezing.
- 22 - Water main valves exercised.
- 12 - Water main valve boxes repaired.
- 226 - Line locates performed.
- 11 - Water main shut outs performed for repairs.
- 3 - Water main/service line leak investigations completed.
- 3 - Inspections performed.
- Assisted Street Department with snow removal.

WATER DISTRIBUTION

- 9- Water main breaks repaired.
- 2 - Water service meter pits installed.
- 4 - Water service lines repaired.
- 2 - Street cuts, added cold mix asphalt until final restoration can be made.
- Assisted Street Department with snow removal.
- Approximately 12,370,436 gallons of water lost due to main leaks.

WATER PLANT/WELL ACTIVITY

- Assisted Street Department with snow removal.

FHWTP

- Replaced QDOS chemical pump.

ILWTP

- Re-wired ethernet terminals on the communication wire between Well 14 & 15.

RWTP

- Attended training on new Plant controls, pumps, and SCADA system.
- Removed all salvageable equipment and materials from old WTP to prepare for the demolition of that structure.
- Peerless Midwest pulled Well 3 pump and motor for rehabilitation.

BUSINESS OFFICE/SERVICE DEPARTMENT

January Totals will be on the February 26, 2019 Report

- Active accounts.
- Work orders completed.
- Assisted Street Department with snow removal.

BILLING ADJUSTMENTS:

8422 Harrison Dr- customer is requesting an adjustment in the sewer portion of the bill in the amount of \$1178.40 due to leaks in the slab and walls. We recommend approval

7190 Seven Oaks Dr. E. – customer is requesting an adjustment in the sewer portion of the bill in the amount of \$499.50 due to busted pipes under home. We recommend approval

10343 Draycott Ave. – customer is requesting an adjustment in the sewer portion of the bill in the amount of \$690.07 due to a slab leak. We recommend approval

4842 Dustin Dr. – customer is requesting an adjustment in the sewer portion of the bill in the amount of \$251.15 due to a service line leak. We recommend approval