



MAY 7, 2018 – Superintendent’s Report

ADMIN UPDATE:

The final report from our Red Zone Robotics inspection of the Indian Lake gravity sewer pipe has been received and reviewed by ASI. The good news is that there does not appear to be any major defects noted from the inspection, but there are some minor ones that may be contributing a relatively small amount of infiltration at a few pipe joints. The upshot of the report is that it does support our having a little more time to research and determining the most economical and feasible approach to resolving the pipe under the lake dilemma. Given Red Zone’s abilities to perform CCTV work in difficult access situations, we will be looking into having them perform additional sewer line inspection work on various gravity sewer sub-systems within our service area where we are limited due to accessibility; namely the portion of the Indian Creek Interceptor upstream of Indian Lake; Dry Branch Interceptor and Hadler Branch Interceptor.

All our capital improvements projects are proceeding smoothly and with no major problems reported.

We are seeking approval of Task Order 2018-01 with Commonwealth Engineering in order to finalize the design and begin the bid and construction phases of this much needed sewage lift station project. The revised construction estimate, based upon Value Engineering proposals developed by ASI, has resulted in lowering the overall construction estimate to about \$1.2 million. Commonwealth was the original engineer on this project, which went through a couple revisions under the previous administration and was then shelved. They were uniquely positioned to complete the project cost-effectively and we are confident they will design and build us a great project.

The final Change Order #3 for the Sumac Water Main Project is on the agenda for approval. This CO is a final cost adjustment based upon the sewer repair credit that was due to LU due to damages by the contractor during construction. The final project cost will be \$115,203.37, which is \$103.37 more than the original contract amount. We recommend approval of CO 3 so we can close out the project.

We are seeking approval of Change Order #2 for the Manhole Rehabilitation Project presently underway with Culy Contracting. The changes were requested by LU in the course of the project upon discovery of certain conditions in the field requiring additional work. The overall increase of this CO is \$9,315, but for the overall project budget, we are anticipating coming in under budget due to decreasing the scope of work due to other field changes.

Operational Data: April Totals

SANITARY SEWER SYSTEM

- 26 – Sanitary sewer lift station work orders performed.
- 6 – Sanitary sewer grinder pump work orders performed.
- 2 – Sanitary sewer manhole inspections performed.
- 1 – Sanitary sewer manhole repairs performed.
- 1 – Sanitary sewer main repair performed by Wills Excavating. (10” clay sanitary sewer main collapsed at a lateral tie in.)
- 6 – Sanitary sewer backup investigations performed. One was due to heavy rain, five were found to be issues in laterals the homeowners needed to address.
- 10,983 LF of sanitary sewer main cleaned.
- 458 LF of sanitary sewer main CCTV’d.
- Began cutting grass around facilities.
- 6 – miscellaneous work orders performed on vehicle and equipment for maintenance.

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

- 864 – Line locate tickets received.
- 7 – miscellaneous locates performed for “in house” repairs.
- 23 – Fire hydrant repairs completed.
- 48 – Fire hydrants pumped out (do not drain).
- 136 – Fire hydrant pressure checks performed.
- 26 – Water main valves exercised.
- 4 – Water main valve boxes repaired.
- 6 – Water main shut outs performed for repair work.
- 6 – Water main leak investigations performed.
- 6 – Plan reviews performed.
- 8 – Inspections on projects performed.
- 2 – Miscellaneous inspections performed.

WATER DISTRIBUTION

- Approximately 114,275 gallons of unmetered water lost from water main breaks.
- Approximately 672,085 gallons of unmetered water lost from water service line leaks.
- 2 – Water main breaks repaired.
- 6 – Water service line meter pit installations.
- 7 – Water service line repairs performed.
- 1 – Water main valve installed.
- 4 – Complete fire hydrants replaced.
- 1 – Water service line disconnect. (Due to water theft)
- 2 – Concrete restorations performed “in house” due to Utility work.
- 4 – Asphalt restorations performed (contracted out) due to Utility work.
- 1 – Water main meter installation at LFD training tower.
- 6 – Miscellaneous work orders performed.
- 2 – Water main sample stations replaced due to failure.
- 8 – Vehicle and equipment maintenance work orders performed.

WATER PLANT/WELL ACTIVITY

FHWTP

- Replaced 6 exterior light bulbs and one exterior security light fixture.
- Replaced 5 interior light fixtures with LED lighting.
- Replaced tubing for post injection bleach line.
- Layne Christensen Co. re-installed the pump and motor for Well #8 after the cleaning.
- Cleaned chemical injection quills.
- Replaced head on post bleach pump.
- Patched hole on exterior wall to pump house.
- Installed new dehumidifier in the pump house and moved the existing dehumidifier to filter house.

ILWTP

- Cleaned chemical injection quills.
- Replaced 4 exterior security light fixtures with LED lighting.
- Rebuilt fluoride pump.
- Peerless Midwest reinstalled the pump and motor for Well #15 after cleaning.
- Peerless Midwest replaced broken bolt on Well #16 shaft.
- Installed 5 new interior light fixtures with LED lighting.

RWTP

- Cleaned chemical injection quills.
- Cleaned out Well #5 for contractor to replace roof.

Winding Ridge Booster Station

- Cleaned solenoid valve and pressure regulator.

Oaklondon Tower

- Drained tower for contractor to begin work.
- Tower painting project began.

Vehicle and Equipment Maintenance

- 2 – Work orders performed for oil changes.

BUSINESS OFFICE/SERVICE DEPARTMENT

April totals to be added on report for May 23, 2018 USB meeting.

BILLING ADJUSTMENTS:

7526 Geist Estates Dr. – customer is requesting an adjustment in the sewer portion of the bill in the amount of \$736.42 due to service line leak. We recommend approval.

6449 Smith Rd. – customer is requesting an adjustment in the sewer portion of the bill in the amount of \$1,962.29 due to a water line leak that did not enter the sewer. We recommend approval.