

**CLIENT: Township of Leoni**  
**Leoni Township SAW**

August 24, 2020 Update

**Past Accomplishments:**  
**Field Work**

Survey

- Completed survey of remainder of collection system
  - 809 Structures Surveyed:
  - Created Maps of Survey Issues for Township use

Manhole Inspections

- Started MH Assessments on remainder of the system
  - Finding some additional MH's that are paved over and cannot open the lid even though cover is visible. Will have updated maps with these structures upon completion of MH assessments

Cleaning and Televising

- Started cleaning and televising 7/14/2020
- Completed televising on half of the trunk line sewer (Televising only)

**Office Work**

GIS/Civil 3D

- Draft Sanitary Sewer Pipe network
- Submitted SAW DRAW #1

**Anticipated Accomplishments this Month (August):**

**Field Work**

Survey

- None

Manhole Assessments

- Continue Manhole assessments on remainder of system
  - Will wrap up assessments in neighborhoods this week
  - Will need additional traffic control and 2<sup>nd</sup> assessor to complete assessments along I-94 business loop and Page Avenue

### Cleaning and Televising

- Complete cleaning and televising of Trunk line Sewer from Dettman Road downstream to Main Lift Station.
  - Trunk line Sewer Access Issue:
    - Clean Earth needs a six-foot-wide path cleared through the forest, they submitted a quote to complete the work, but need verification of easement
- Start specifications for cleaning and televising remainder of the system.

### Office Work

GIS/Civil 3D

- Continue Sanitary Sewer Pipe network

### **Anticipated Accomplishments next Month (September):**

#### Field Work

Survey

- None

### Manhole Assessments

- Complete Manhole assessments on remainder of system

### Cleaning and Televising

- Start Cleaning and Televising on remainder of system.

### Office Work

GIS/Civil 3D

- Update Sanitary Sewer Pipe network

### **Anticipated Accomplishments soon (next few months):**

#### Field Work

Survey

- Survey in buried manholes that were not found.

### Manholes Assessments

- Complete Manhole Assessments on buried manholes

### Cleaning and Televising

- Complete Cleaning and Televising of remainder of collection system.

### Office Work

GIS/Civil 3D

- QA/QC all MH Inspection Data
- Update GIS Base map
- Finalize Sanitary Sewer Pipe network

### **Scope changes/value added to date:**

- Cost savings for combining survey projects (Fallahee Rd Utility Extension and Napoleon Lift Station)

**Budget Status/percent complete (as of 8-2020):**

1. Inventory: = \$36,795.00 of \$38,700 (95%)
2. Condition Assessment: = \$56,102.78 of \$104,000 (54%)
3. Metering/Modeling: \$521.75 of \$75,000 (0.69%)
4. GIS Software/Hardware: \$0 of \$2,979
5. Cleaning and Televising: = \$3,129 of \$674,000 (0.46%)
6. Level of Service: NA
7. Training and Certifications NA
8. Rate Structure Development \$0 of \$5,000
9. Other NA

**Schedule status/deliverable status:**

- Survey Completed June 19<sup>th</sup>, 2020
- Manhole Assessments Completed September 14, 2020
  - Tentative to change depending on arrow board status and permits
- CCTV Completed November 27<sup>th</sup>, 2020

**Input needed from client or others:**

1. ~~Purchasing Vac Truck~~ **COMPLETE**
2. ~~Survey other projects while we survey Manholes~~ **COMPLETE**
3. Buried and paved over manholes:
  - Structures with Survey Issues
    - 7 below grade, but dug up enough to survey
    - 1 buried
    - 1 possibly buried, not found
    - 21 paved over under Asphalt
    - 2 possibly paved over, not found
    - 6 survey points not reliable due to heavy foliage
  - ~~SAW DRAW #1~~ **COMPLETE**
    - ~~Phone tag with Patrick, working on getting bank account information so SAW DRAW #1 can be signed and submitted for reimbursement~~
    - Howard will talk to JCDOT about uncovering buried manholes, and making sure structures are accessible.
      - F&V will create maps of all structures that are buried or paved over and need access
    - Howard will talk Jeff Snyder to ask where easement information might be located and will start the process of compiling all the easement descriptions.
      - Priority is the trunk line sewer area.
      - Once easement descriptions are found, plan will be made regarding clearing/installation of access road, etc.
      - F&V will create maps of locations of probable easements, highlighting parcels, priority of the trunk line sewer area
    - Howard will talk to JCDOT about borrowing or renting and arrow board. Also discuss if a permit is needed.
      - Howard will also start conversations with MDOT about working within R.O.W.

- F&V will create maps of plan where Arrow board/additional traffic control is needed for Howard to present to JCDOT/MDOT as needed.
- Fill out permit applications as needed.

**Other issues & concerns:**

- MH Rims below water levels of Lakes – Flag in GIS. – Work in Progress
  - Manholes near dam appears based on as-builts to be below water level.
- Create Maps of survey areas for field investigation
  - Will update map with MH's assessor could not open due to pavement sealing cover shut
- Sewer Easements: Will input into GIS as part of SAW but need township to supply descriptions.