

**Village of Germantown Hills**  
**Sewer Committee Meeting Minutes**

**October 28, 2021 5:00 p.m.**

1. **Call to Order/Roll Call/Minutes Approval**-Jeff DeGroot called the meeting to order at 5:00 p.m. and roll call was taken.

Village President/Trustees	Roll Call	1	2	3	4	5	6
Nathan Henricks – Chair	Absent	-	Y	Y			
Jeff DeGroot – Village President	Present	Y	Y	Y			
Tom Eckstein	Present	Y	Y	Y			
Karl Figg	Present	Y	Y	Y			

Also, Present:

Rich Brecklin, Superintendent of Public Works

Scott DeSplinter, Village Engineer

- a. **March 25, 2021 Meeting Minutes**-A motion was made by Jeff DeGroot to approve the March 25, 2021 sewer committee meeting minutes. The motion was seconded by Tom Eckstein. **Motion passed #1.**

2. **Discussion on the Sanitary Sewer Facility Plan Update**

Scott DeSplinter explained the Wastewater System Facility Planning Update. Scott reviewed the overall recommendations:

- Complete improvements to WWTP #1 to address operational issues (COMPLETE)
- Continue to seek and eliminate I&I (ON-GOING)
- WWTP No. 1 Peak Flow Control Project (COMPLETE)
- WWTP No. 2 Collection System Improvements (ON-GOING)
- Continue to operate the existing WWTP's until regulations or growth force the - consolidation of treatment at WWTP No. 2.
- Construct a mechanical treatment plant on the WWTP No. 2 site.

He noted the village will look to do proactive maintenance/repair and replacement to improve the system reliability, along with energy efficiency improvements, and improvements to support growth.

In addition, there are regulatory concerns that include:

- Disinfection
- Ammonia – Nitrogen
- Phosphorus
- Dissolved Oxygen

Scott noted there are 3 parts to the sewer system. The collection system, plant #1 and plant #2.

The collection system is made up of:

- 10 pump stations
- 385 Manholes
- 22,400 lineal feet of force main
- 11,800 lineal feet of pressure sewer
- 76,200 lineal feet of gravity sewer
- Approximately 200 individual grinder pumps

The collection system improvements/maintenance needs include the following:

- German Hills Pump Station Replacement (\$350K)
- Thornridge Pump Station Replacement (\$150K)
- Coventry 1 Pump Station Repair or Replacement (\$TBD)
- Whispering Oaks Sanitary Sewer CIPP Lining (\$300K)
- Replace the “add a phase” for several pump stations with a VFD (\$20K)
- Sanitary Sewer System “bottleneck” improvement at the end of Elizabeth Point (\$300K)
- Develop GIS Map of Sanitary Sewer System (\$20K)
- Portable Pump (\$150K)
- Portable Generator (\$120K)

The WWTP No. 1 includes:

- Influent Screen
- Aeration Tanks
- Clarifiers
- Intermediate Pump Station
- Tertiary Filters
- Sludge Drying Beds
- Digesters
- Blowers
- Plant Office

The WWTP No. 1 improvements/maintenance needs include the following:

- Tertiary filter rehabilitation/replacement (\$TBD)
- Motor Control Center (MCC) Replacement (\$150K)
- Fine Screen Replacement (\$TBD)
- Blower Replacement/Improvement (Energy efficiency improvement) (\$100K)
- Effluent Disinfection (If required by next permit) (\$TBD)
- Backwash Tank Pump Repair (\$20K)
- Meter Repair (\$15K)
- Site Improvements
  - Stream bank stabilization (\$100K)
  - Entrance road drainage improvements (\$20K)

Nathan Henricks arrived at 5:37 p.m.

The WWTP No.2 includes:

Mechanical/Lagoon Plant  
-Influent Screen

- Influent Pump Station
- Lagoon – Cell 1
- Lagoon – Cell 2
- Rock Filter
- Aerators
- Plant Office/Electrical Control Building

The WWTP No. 2 improvements/maintenance needs include the following:

- Site Improvements
  - Entrance road pavement/chip seal (\$20 - \$80K)
  - Stream bank stabilization (\$150K - \$250K)
- Sludge Removal (\$100K)
- Conversion to mechanical plant (Improvement is 15+ years out) (\$7.0M)

Scott DeSplinter reviewed the facility planning total costs:

- Collection System - \$1,4M
- WWTP No. 1 - \$405K (Up to an additional \$750K on projects that are still under evaluation)
- WWTP No. 2 - \$430K

Jeff DeGroot asked about the needs and costs for the next year and what the village will need to do in the following year.

Scott DeSplinter noted the German Hills lift station (\$350,000) and the creek stabilization (\$150,000-200,000) are the urgent needs at this time. Scott indicated next year the village will need to look at doing the Thornridge lift station and the plant 1 filters. The estimated cost is \$1.5 million.

**3. Discussion and recommendation to the Village Board on the engineering agreement for the stream back stabilization at WWTP No 2.**

A motion was made by Jeff DeGroot to recommend to the Village Board the engineering agreement for the stream back stabilization at WWTP No. 2. The motion was seconded by Karl Figg. **Motion passed #2.**

**4. Adjournment-**A motion was made by Nathan Henricks to adjourn the meeting at 5:53 p.m. The motion was seconded by Tom Eckstein. **Motion passed #3.**

Ann Sasso, Village Clerk