

Sewer Improvement Plan – August 18, 2024 DRAFT

Need: The existing sewer system is over 50 years old. The sewer main is predominantly 6” diameter vitrified clay. Some sections of the main have been replaced with pvc pipe. The sewer main is operating but inspections have revealed multiple areas that need attention (repairs) to improve performance.

There are:

1. Sags in areas that slow the movement of effluent to the lift station.
2. Separations at joint locations which allow groundwater to infiltrate.
3. Areas of root intrusion that slow and/or block flow.
4. Cracks in the clay pipe that are considered to be minor to moderate defects that over time could worsen if not addressed.
5. Tanks and makeshift manholes that create additional operational issues related to groundwater infiltration.

Long term goal: Rehabilitate or replace the existing sewer in the most cost effective and efficient manner. The solution shall have a minimum life expectancy of 25 years.

Immediate goal: Repair damaged sewer main on west side between lots 38 and lot 30 to minimize groundwater infiltration and improve operational performance.

Action Items:

- 1) Inspect sewer main to identify needs and assist in determination of the scope of work.
- 2) Clean sewer main to improve operational performance
- 3) Clean lift station as required to improve operational performance
- 4) Monitor lift station pump performance on a regular basis to identify any issues requiring preventive maintenance before they deteriorate further and require more significant repairs.
- 5) Summarize inspection results and prioritize additional areas needing repair.
 - a. Engage engineering firm to assist as necessary
- 6) Seek repair estimates and complete repairs to the system as required
- 7) Seek estimates to rehabilitate and replace the system along with timelines to complete work
- 8) Use estimates and timelines to develop a funding plan