

Sanitary Sewer Updates

1. Lift Station Rehabilitations

- Lift Station #7 – This lift station originally had a wet/dry pit design. The dry well was eliminated, and new submersible pumps were installed. The electrical and instrumentation were also upgraded.
- Lift Station #1 - This lift station originally had a wet/dry pit design. The dry well was eliminated, and new submersible pumps were installed. The electrical and instrumentation were also upgraded.
- Lift Station # 9 – This lift station was rehabilitated under an emergency. We had pump failures and issues with the discharge plumbing. All these components were upgraded.
- Lift Station #47 – This is the lift station in Windrose Green. It was struck by lightning in a recent storm that caused VFD failures. The timeline on the acceptance of this station has brought us past the warranty period. We are in the process of repairing/replacing components within this station. There will also be a lighting protection device installed at this station.

2. Inflow and Infiltration Study – Our lift station rehabilitation process has been extremely effective in the operation of our collection system. However, we still have a major issue of inflow and infiltration, or water getting into our pipes that do not belong there. We have contracted with Duke's to conduct a I & I study in the Basin 25 area. Once we get the data back, we will be able to pinpoint certain areas for repairs that will greatly reduce the amount of water getting into this portion of the collection system.

3. Bioremediation – We have improved the functionality of many of the lift stations in the collection system. However, there are still some lingering odor issues in areas. We have been exploring bioremediation and have had some great experiences with it. With this treatment it will eliminate, or greatly reduce, grease, biosolids, and odors. It will even improve treatment all the way at the WWTP if dosed correctly. This will be a budget item on the 23/24 budget discussions.

4. Wastewater SCADA – We have installed the hardware at the offsite lift stations. The final hardware for the WWTP is being completed soon. We have determined proper operations of all systems so the programming can be completed. We will have a timeline for completion very soon.

5. Wastewater Treatment Plant – Basin cleaning, and diffuser replacement, will continue. There are also other various repairs and replacements that we are working through.

6. Upcoming Projects – We are working with HDR to get many various repairs and replacements packaged into one project. This will provide us with better pricing for these projects that are going to be spread around the city.

- Cedar St – Downing to Pecan
- Shady Lane
- Grove/Vine/Southside
- Lorraine
- Wilkins/Valderas
- W Ash/Parrish