

CASE STUDY

GRAVITY SEWER ASSESSMENT IN PASCO COUNTY, FL

County looking for comprehensive sanitary sewer cleaning and investigation services.

THE CHALLENGE

In early 2022, Pasco County, Florida discovered that it needed to upgrade part of its gravity sewer system. The Tampa Bay suburb had approximately 130,000 linear feet (LF) of sewer lines it needed to rehabilitate, which would first require cleaning and thorough condition assessments before restorations themselves could get underway. Addressing these issues would allow Pasco County to avoid suffering from sewer blockages, system failures, and ground depressions—all of which could occur if the county did not take the time to rehabilitate this essential infrastructure. Pasco County selected Vortex Services to carry out this publicly bid project because of the team's considerable experience and past successes with large-scale sewer rehabilitation work.



PROJECT SNAPSHOT

PROJECT OWNER

Pasco County, Florida

GENERAL CONTRACTOR

Vortex Services – Florida Division

PROBLEM

130,000 LF of 8", 10", and 12" sewer lines in need of cleaning and condition assessment.

SOLUTION

Cleaned and CCTV inspected all 130,000 LF of sewer lines. Sent compiled condition assessment data to the Vortex Data team for evaluation and quality assurance, who then produced rehabilitation recommendations for Pasco County. Finished the job by preparing 102,000 LF of the sewer lines for CIPP lining.

CONTACT

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CASE STUDY

THE SOLUTION

In April 2022, the Vortex Services crew began work by cleaning and CCTV inspecting the 130,000 LF of 8", 10", and 12" diameter sewer lines. The team worked through each section of sewer, running CCTV cameras through the sewers, removing debris and obstructions, and performing mechanical cleaning as necessary.



Depending on the level of pipe contamination, the crew utilized cleaning tools from traditional Level 1/Level 2 nozzles to heavy-duty Warthog Magnum Switcher and descaler nozzles. Alongside these cleaning efforts, the team gathered condition assessment data which would be used to determine the required amount and kind of rehabilitation necessary for each section of piping. Once these cleanings



IMPACT

1

Cleaned and investigated
130,000 LF of sewer lines.

2

Prepared 102,000 LF of sewer lines for
rehabilitation via CIPP lining.

3

Team secured subsequent
contract with Pasco County.

and inspections were complete, the crew sent the assessment data to the Maine-based Vortex Data team for evaluation and quality assurance/quality control purposes. After the Data team sent over its rehabilitation recommendations, the Vortex Services team leapt back into action, preparing about 102,000 LF of the sewers for cured-in-place pipe (CIPP) restorations.

THE RESULTS

The crew completed this project in September 2023. Pasco County has been very pleased with the Vortex Services team's cleaning and assessment work, so much so that when this project was put out for its Second Phase Bid, Vortex Services won that contract as well. This newer phase bid includes a three-year contract with two one-year extension options.