

What We Do

PIPE LINING SOLUTIONS.



TRANSFORMING AGEING SEWER LINES.

HARTFORD COUNTY, CT | November, 2024

A large industrial facility was facing recurring sewer line backups and infrastructure issues due to years of undetected pipe deterioration. Initially reaching out to inquire about a CCTV camera purchase, the facility's team learned about our full-service offerings and quickly enlisted Savy & Sons for a comprehensive sewer line inspection and pipe rehabilitation project across their campus. This partnership not only resolved existing issues but established a proactive maintenance approach, ultimately reducing costly and disruptive backups. What began as a simple inquiry evolved into a transformative partnership that resolved critical infrastructure challenges while paving the way for proactive maintenance strategies—saving time, money, and frustration.

PROBLEM

The facility was burdened by aging and neglected drainage systems (industrial waste, steam vents, sewer, and storm) that had not undergone routine inspection or maintenance since the campus was first constructed. Our initial CCTV inspection painted a stark picture, revealing severe buildup and defects within the pipes, including several areas with significant deterioration. The consequences were disruptive: frequent line backups, requiring in-house plumbers to intervene 1-2 times weekly, impacting facility operations. Recognizing the urgent need for a long-term solution, the facility engaged Savy & Sons to conduct a phased inspection, cleaning, and restoration plan to restore and protect the campus's underground infrastructure.

SOLUTION

Savy & Sons mobilized specialized tools and equipment to tackle the buildup and structural concerns within the sewer lines, including:

CCTV Inspection Equipment: Provided a detailed assessment of pipe conditions, identifying areas of severe blockage and deterioration.

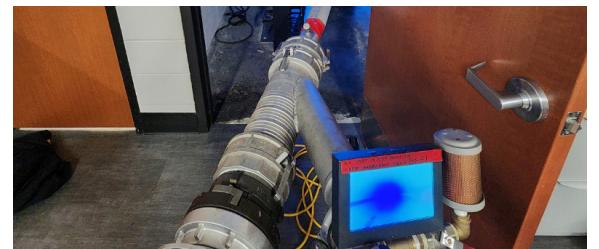
Jetting and Descaling Tools: High-powered equipment cleared substantial scale deposits across extensive pipe lengths, restoring flow capacity.

Cured-In-Place Pipe (CIPP) Lining: Installed CIPP linings in pipes ranging from 4" to 24", creating a seamless, durable barrier to prevent future deterioration.

The project unfolded over a span of 2-3 years, with multiple phases of inspection, descaling, and CIPP installation. Due to the facility's around-the-clock operations, we coordinated access to certain sections during nights, weekends, and scheduled downtimes. Innovative measures, such as setting up access pits, allowed us to safely extract significant debris from long pipe segments without disrupting daily operations.

RESULTS

The outcomes were nothing short of transformational. Since the installation of the CIPP linings, the facility has experienced zero sewer line backups, eliminating the need for frequent in-house plumbing interventions and restored confidence in the reliability of their infrastructure. This achievement demonstrates the return on investment of implementing preventive maintenance and robust pipe restoration. The facility's management now has a sustainable, reliable sewer system that supports uninterrupted operations and has reduced the costs associated with reactive maintenance. It's a solution built to last, offering peace of mind to management and seamless functionality for the facility's 24/7 operations.



KEY TAKEAWAYS

This case highlights the crucial role of routine CCTV inspections, pipe cleaning, and preventative maintenance for large-scale industrial facilities. The success of this project has equipped our client with a reliable, long-lasting sewer system that requires minimal intervention, providing a clear path to enhanced operational efficiency and longevity. Savy & Sons continues to support large facilities with custom, industry-leading solutions for water and wastewater infrastructure management.