

# Manholes – Case Study 7

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## Problem

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Severe deterioration



## Project

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Dynamic planning for comprehensive wastewater rehabilitation project engineered by The Wooten Company –  
Mr. Dan Boone, Project Manager



## Client

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Town of La Grange, North Carolina



## Location

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La Grange, North Carolina

## Description

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Severe deterioration of the town's sewer system called for a comprehensive rehabilitation project that included permanent rehabilitation of 224 manholes and 6 pump stations as well as slip-lining of sewer lines, service lateral replacements, sewer line replacement and upgrades to lift stations.

## Solution

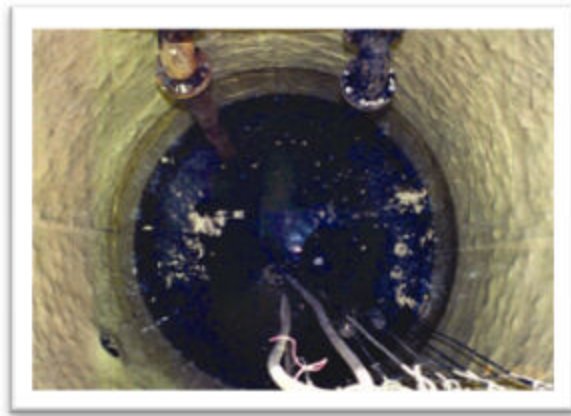
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The Town of La Grange contracted with a Poly-Triplex Certified Installer to complete the manhole and pump station portion of the project. The Poly-Triplex Liner System was used to completely seal off infiltration and provide an impervious water, chemical and sewer gas resistant liner to stop future deterioration.

## Benefit

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The Town of La Grange has chosen to rehabilitate its system in a permanent and comprehensive manner rather than look for cheap short-term quick fixes that have not worked in the past. Infiltration levels have been significantly reduced and deterioration of their system virtually halted.



**Upper Left:** Poly-Triplex Liner is being lowered into place and will be cured-in-place via air pressure and steam heat injection.

**Upper Right:** Poly-Triplex Liner System has been installed and pump station placed back into service after only 24 hours.

## Comments

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Mr. Dean Gaster states in The Tarheel Pipeline, "Our hats off to those involved in securing funding for a project of this magnitude as well as those responsible for pulling it all together. The La Grange wastewater collection system should be top-of-the-line and tight as a drum when this dynamic undertaking is completed sometime this year."