CASE STUDY
REHABILITATION | SLIPLINING

Project Name:
Kirtland Air Force Base - Trunk Sewer Rehabilitation

Prime/Sub Contractors:
RMCI - Albuquerque, NM

Location:
Albuquerque, NM

Owner:
Albuquerque Bernalillo County Water Utility Authority + Kirtland AFB

Ground Conditions:
Existing 54-in & 72-in RCP - Deteriorated

Akkerman Equipment:
SLS-100 Slipiining System

Pipe:
48-in & 66-in Flowtite™ FRP

Total Length/Longest:
565-LF (66in) / 1313-LF (66in) / 1224-LF (66in) / 1842-LF (48in)

PROJECT OVERVIEW

Officials at Albuquerque Bernalillo County Water Utility Authority and Kirtland AFB required solutions to upgrade their deteriorated trunk sewer that was failing. RMCI, Inc. provided the project team with a solution with minimal surface disruption and maintained existing live flow conditions. With the Akkerman SLS-100 Sliplining System, RMCI crews were able to achieve 20-ft pipe installations every 5-6 minutes once the deteriorated host pipe was prepped for sliplining.

THE CHALLENGES

- Existing 54-in and 72-in reinforced concrete pipe (RCP) was severely deteriorated and in need of rehabilitation
- Project had to be completed with minimal surface disruption due to its location on an active military base
- Work needed to proceed while maintaining live flow conditions within the trunk sewer
- Required a trenchless solution capable of efficiently lining long distances of large-diameter pipe

THE SOLUTION

- RMCI, Inc. selected the Akkerman SLS-100 Sliplining System to meet the project's non-invasive and high-efficiency needs
- Crews prepped host pipes and achieved rapid installation—up to 20-ft pipe segments every 5–6 minutes
- Installed 48-in and 66-in Flowtite™ FRP liner pipe within the existing deteriorated RCP
- Sliplining method allowed continuous operations with minimal surface disruption and maintained live flows throughout the project

OUTCOME

- Successfully rehabilitated over 4,900 linear feet of deteriorated trunk sewer without open trench excavation
- Maintained live flow during installation, minimizing disruption to base operations and local infrastructure
- Achieved high installation rates, with crews lining 20-foot pipe segments in just 5–6 minutes
- Delivered a long-term, structurally sound solution using corrosion-resistant Flowtite™ FRP pipe
- Reinforced the value of trenchless sliplining and Akkerman's equipment for complex, large-diameter rehab projects

Corporate Headquarters
58256 266th Street
Brownsdale, MN 55918 | USA
Ph.: +1 (800) 533.0386 | akk@akkerman.com