



SAERTEX MULTICOM LP

CASE STUDIES



#INLINETOGETHER

Montreal / Canada

Installation of SAERTEX-LINERS H2O S+ XR across the Concorde Bridge in Montreal, Québec.

Scope of Application	Potable water
Host Pipe	Cast Iron
Product	SAERTEX-LINER® H2O
Installer	Lafontaine Inc.
Installation Date	November 2022

Liner measurements	Imperial	Metric
Diameter and wall thickness	17" / 4.3 mm	DN 425 / 4,3 mm
Length	4609.6 ft	1405 m
Operating Pressure	79.8 psi	5,5 bar

Challenges:

Rehabilitating drinking water pipes spanning over 1400 meters across the Saint Lawrence River to Saint Helen's Island while ensuring compliance with rigorous standards such as BNO (Québec Bureau of Standardization) and NSF 61.

Solution:

Utilized UV Cured-in-Place pressure liner technology, marking the first such installation in Canada for drinking water pipes.

Why SAERTEX-LINER H2O:

Approved for installation in the entire North American continent and many other markets worldwide, precise custom manufacturing to fit the host pipe, comprehensive training provided to installation team members, and flawless installation process ensured by ideal site conditions and meticulous planning.



British Columbia / Canada

Rehabilitation of 1.5 km of parallel sanitary sewers in Shoreline Trail Park, Port Moody, British Columbia.

Scope of Application	Wastewater
Host Pipe	DR41 PVC
Product	SAERTEX-LINER® MULTI
Installers	PW Trenchless Construction Inc. Insituform Technologies Ltd.
Installation Date	October - November 2022

Liner measurements	Imperial	Metric
Diameter and wall thickness	23" / 7.3 mm	DN 573 / 7,3 mm
Length	4985 ft	1520 m
Operating Preassure	45 psi	3.1 bar

Challenges:

Crossing eight watercourses, including two salmon-bearing streams, navigating a Great Blue Heron colony, limited access due to railway right of way, and balancing force main and gravity sewer lining requirements.

Solution:

Utilized SAERTEX-LINER MULTI Type S+ for CIPP lining, minimizing environmental impact while meeting owner guidelines and keeping the trail open for over 200,000 users annually.

Why SAERTEX-LINER MULTI:

Optimal choice due to lower cost, reduced installation time, improved cure time compared to epoxy resin systems, and ability to navigate environmental and regulatory constraints effectively.



Cary, NC / United States

Rehabilitation of the Black Creek Interceptor in the Town of Cary, North Carolina.

Scope of Application	Wastewater
Host Pipe	HDPE
Product	SAERTEX-LINER® MULTI
Installer	AM-Liner East, Inc.
Installation Date	May - September 2022

Liner measurements	Imperial	Metric
Diameter and wall thickness	54" / 14-15 mm	DN 1350 / 14-15 mm
Length	2799.8 ft	853.4 m
Operating Pressure	2.9 psi	0.2 bar

Challenges:

Location within the dam for Lake Crabtree and deep manholes made traditional CIPP installation impossible without excavation.

Solution:

Utilized our UV lining technology liner that doesn't require excavation. It can be pulled into place, pressurized to expand within the host pipe, and inspected before curing to ensure integrity.

Why SAERTEX-LINER MULTI:

Its non-intrusive method, allowing rehabilitation without excavation, all while ensuring pipeline integrity.



Columbia, SC / United States

Rehabilitation of 5 miles of 30-inch interceptor sewer in East Richland County, Columbia, SC, adjacent to three lakes.

Scope of Application	Wastewater
Host Pipe	RCP
Product	SAERTEX-LINER® MULTI
Installer	CaJenn Construction & Rehab Services
Installation Dates	<ul style="list-style-type: none">• Cary's Lake - August 2021• Spring Lake - November 2022• Forrest Lake - October 2023

Liner measurements	Imperial	Metric
Diameter and wall thickness	30" / 6-7 mm	DN 750 / 6-7 mm
Length	22000	6705.6 m
Operating Pressure	5.1 psi	0.35 bar

Challenges:

Noise, odor concerns, and limited access from roads or yards due to the sewer's location around the lake.

Solution:

Implemented SAERTEX-LINER MULTI Type S+ UV liner, which required less equipment, emitted minimal styrene smell, as it does not utilize water for curing like traditional CIPP methods do. Additionally, utilized a barge on the lake for transporting compressors and equipment, streamlining installation and minimizing damage to residents' yards.

Why SAERTEX-LINER MULTI:

Its attributes minimized construction footprint, reduced environmental impact, and streamlined installation, crucial for the project's success amidst challenging conditions.



New London, CT / United States

Rehabilitation of a failed two-mile section of a sanitary sewer force main.

Scope of Application	Wastewater
Host Pipe	Sanitary Sewer Force Main
Product	SAERTEX-LINER® MULTI
Installer	National Water Main Cleaning Company (NWMCC)
Installation Date	March - April 2024

Liner measurements	Imperial	Metric
Diameter and wall thickness	12"/ 5 mm	DN 300 / 5 mm
Length	3500 ft	6705.6 m
Operating Preassure	30 psi	2.07 bar

Challenges:

New London faced an urgent crisis when a force main sewage pipe failed, threatening coastal waters and a water park before tourist season. Quick repairs were vital to avoid serious damage.

Solution:

National Water Main Cleaning Company used the The SAERTEX-LINER® MULTI S+ XR to repair the pipe quickly and efficiently, minimizing disruption and environmental impact.

Why SAERTEX-LINER MULTI:

It was chosen for its ability to handle high pressures, quick installation, and cost-effectiveness, making it ideal for the emergency repair.





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