

What We Do

INTEGRATED INFRASTRUCTURE



INTEGRATED INFRASTRUCTURE & STRUCTURAL RESTORATION FOR A MUNICIPAL BUILDING

A municipal building was experiencing ongoing basement water intrusion and deteriorating underground infrastructure that required immediate attention. Initially, Savy & Sons was engaged to perform trenchless pipe rehabilitation services. However, during the project walkthrough and evaluation phase, it became clear that the underlying issues extended beyond piping alone and required a more comprehensive solution.

Based on our experience in underground infrastructure, water mitigation, and structural restoration, the scope of work expanded to include demolition, concrete restoration, drainage improvements, and water intrusion mitigation. The project ultimately evolved into a fully integrated infrastructure and structural rehabilitation effort completed over a five-month period.

PROBLEM

The municipal building's basement level was experiencing significant water intrusion and infrastructure deterioration. Existing underground piping required rehabilitation, but further investigation revealed additional concerns, including:

- Compromised concrete and structural elements
- Active groundwater infiltration throughout the basement
- Drainage deficiencies connected to an existing stone box sewer culvert
- The need to integrate new drainage systems into aging infrastructure

The client required a contractor capable of addressing both the underground infrastructure challenges and the structural restoration work, while maintaining safe operations within an active municipal facility

SOLUTION

What began as a trenchless pipelining project expanded into a multi-scope restoration effort. Savy & Sons demonstrated the technical expertise, coordination capabilities, and confidence necessary to manage both infrastructure rehabilitation and structural restoration components.

The integrated scope of work included:

Trenchless Pipelining

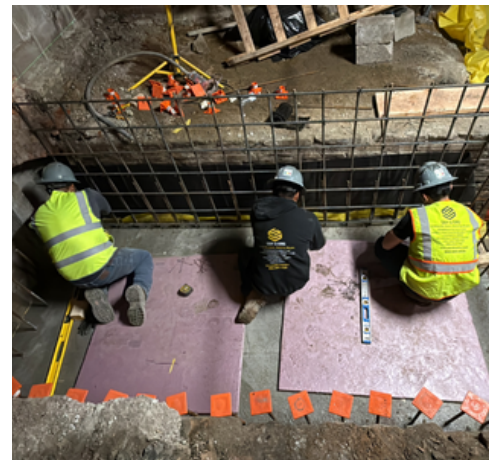
Rehabilitation of existing underground piping systems using trenchless methods to restore structural integrity and flow capacity while minimizing disruption to the facility.

Demolition & Concrete Restoration

Selective demolition within the basement level to remove compromised materials, followed by concrete restoration and reconstruction to return the space to functional condition.

Culvert & Drainage Improvements

Excavation and exposure of the existing stone box sewer culvert, cleaning and preparation of the structure, installation of a new 6-inch perforated pipe, and backfilling with clean ¾-inch crushed stone to improve drainage performance and long-term reliability.



Water Intrusion Mitigation

To address active groundwater infiltration, our team implemented targeted grout injection, sewer bypass operations, and additional mitigation measures designed to control water intrusion and protect the building envelope.

PROJECT EXECUTION

The project required careful coordination between trenchless rehabilitation, structural demolition, and drainage system improvements. Work was sequenced to ensure safe operations within the municipal building environment while addressing active water conditions.

By integrating multiple scopes under one contractor, the client benefited from streamlined communication, efficient scheduling, and cohesive execution across infrastructure and structural components.

RESULTS

The five-month restoration project delivered measurable improvements to both the building and its underlying infrastructure.

Key outcomes included:

- Comprehensive rehabilitation of underground piping systems
- Restoration of compromised basement concrete and structural elements
- Improved drainage through culvert enhancements and new perforated piping
- Reduced risk of future water intrusion through targeted mitigation efforts
- Successful coordination of multiple scopes within an active municipal facility

The project demonstrated Savy & Sons' ability to move beyond a specialty role and serve as a trusted partner capable of delivering integrated infrastructure and structural restoration solutions.

CONCLUSION

This municipal building restoration project highlights the value of integrating trenchless infrastructure rehabilitation with structural restoration and water intrusion mitigation. By addressing the root causes of infiltration and coordinating multiple scopes under one team, Savy & Sons provided a comprehensive solution that improved long-term building performance and reliability.

The successful completion of this five-month project reinforces our commitment to delivering efficient, technically sound solutions for complex municipal infrastructure challenges.

