

DISCOVER THE POWER OF

**ONE**



# UNDERGROUND WATERLINE RESTORATION

## THE CHALLENGE

Penske Logistics, known for its advanced transportation and distribution solutions, faced a critical infrastructure failure at its Chesterfield facility—a broken main water line threatened to disrupt operations. The challenge involved a serious excavation to expose and repair the damaged pipeline. Given the complex nature of the project, Penske contacted the city to temporarily shut off the water supply to the site. Lee Industrial Contracting was enlisted for the task, and utilized ground penetrating radar to safely navigate the underground utilities during the excavation.

Lee Contracting's expertise and swift response were crucial in managing this potentially disruptive situation. The team first addressed the immediate concern by pumping out a manhole to allow safe access to the vault. Upon shutting off the valves, they discovered water continuing to leak, prompting further excavation. This revealed a 4-inch cast iron main water line with a significant crack, located adjacent to the main line.

## THE RESULTS

Lee Contracting's Midland team collaborated on the project, which resulted in cutting out an 8-foot section of the damaged 4-inch cast iron pipe and replacing it with durable ductile iron. Following the replacement, the team conducted a thorough test of the new section, confirming the absence of leaks and restoring full operational capacity to Penske Logistics.

## LOCATION

Chesterfield, MI

## DEPARTMENTS INVOLVED

Excavation