



# **TOMAHAWK WATERMAIN CLEANING**

## **12" CML PIPE CLEANED AND PREPARED FOR CIPP INSTALLATION NEW YORK CITY**

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**Brian Thorogood P.Eng  
Tomahawksystem.ca  
800 267-9810**



# Tomahawk™ System

Developed by Envirolomics Engineering Inc.

Patented Tomahawk™ System  
Stone Delivery Unit

Standard Vacuum Truck

In-ground water main  
up to 450' long

The Tomahawk™ System restores deteriorated pipes using abrasives and a high-volume, low-pressure airstream to clean and dry the pipe in preparation for lining using minimal to no water.

# 12" CML Pipe Cleaned and Prepared for CIPP Installation

- 12" CML pipe with leak located directly under an active railway line in New York City
- Due to critical location, pipe sat abandoned for 2 years awaiting a cleaning and preparation solution
- Tomahawk completed cleaning and preparation of pipe segment in one hour
- Removed biofilm, tuberculation at joints, and deteriorated CML providing a smooth and dry surface for ease of pulling in CIPP liner and achieving excellent bond to pipe



# January 7, 2016 – Tomahawk Cleans 12" Watermain in New York City

The Tomahawk™ System successfully completed the cleaning of a 12" watermain in New York City on January 6, 2016. Following cleaning, the watermain was lined using an Insituform CIPP liner product.

The 12" underground watermain traversed an active railway bed. This crucial area requires the proper trenchless pipe rehab solution as digging and replacing this pipe is not an option. The Tomahawk uses airborne abrasive to clean the pipe instead of pulling mechanical scraping heads through the pipe under high force as with other cleaning alternatives. Thus, the Tomahawk process eliminates the potential for calamity that would result if the equipment were to become stuck in the pipe.

The Tomahawk™ System also uses no water for cleaning. This becomes a distinct advantage when working outdoors in January, in the northern regions of the country.

Tomahawk will be back in New York City soon for more watermain cleaning, this time under busy freeways, another critical location that demands the right solution. Stay tuned for details.



Above, Tomahawk cleaning a 12" watermain under a railway line, see rail cars in background. Above right, the clean and dry pipe ready for CIPP lining.