



LMK TECHNOLOGIES®

PERFORMANCE LINER®

TRENCHLESS CLEANOUT
INSTALLATION SYSTEMS

WWW.PERFORMANCELINER.COM



VAC-A-TEE®



“WE’RE BREAKING NEW GROUND WITHOUT BREAKING ANY GROUND.”

ADVANTAGES

HOMEOWNER FRIENDLY

Minimal disruption and restoration

UTILITY FRIENDLY

Vacuum excavation eliminates the potential hazards of digging up buried utility lines such as water and gas

ENVIRONMENTALLY FRIENDLY

Saves trees and landscaping

INSTALLER FRIENDLY

No large trench boxes, no shoring, and no man-entry means a safe workplace

VAC-A-TEE® allows access to the lateral pipe for cleaning, inspection, and lateral lining through a cleanout. VAC-A-TEE® can also be used to establish a new service connection at the mainline pipe. VAC-A-TEE® is compatible with all pipe types such as clay, cast iron, concrete, PVC and even HDPE and is available in diameters from 4 to 24 inches.

HOW IT WORKS...

The lateral pipe is located using a sewer camera and sonde – A vacuum excavated bore hole is made approximately 18” in diameter exposing the buried pipe – All spoils are deposited in the debris tank of the vacuum truck – The exterior of the pipe is cleaned by using a pressure washer – A depth measurement is taken and the riser pipe is solvent welded to the VAC-A-TEE® – Then, the engineered adhesive/sealant is applied thoroughly to the underside of the saddle – The assembly is lowered in to the bore hole, the saddle is snapped on to the pipe from above the surface and then backfilled – Once cured, the saddle is hydrostatically tested by filling the riser pipe with water verifying a non-leaking connection – The crown of the pipe is then cut open by inserting a diamond core saw down through the water filled riser pipe – The coupon is removed and the water flushes downstream – The new cleanout is complete allowing access to the upstream or downstream side of the lateral pipe – Now you have a new outside cleanout.



LINED MAIN TAP™

How to effectively connect and seal a lateral sewer pipe to a main sewer, which has been lined with CIPP or folded plastic liners. The LMT™ (Lined Main Tap) makes connecting directly to the mainline lining as easy as a SNAP.



The lateral pipe is cut, and the old main pipe is broken away exposing the mainline liner. By connecting directly to the main liner, a hermetic seal is made to the lateral pipe.



The lateral opening in the main liner is prepared by removing any high spots making a suitable surface for the attachment of the LMT™ saddle.



Next, the underwater curing 2-part hybrid adhesive is applied to the saddle by use of a twin cartridge caulking gun. This proprietary adhesive bonds the LMT™ saddle to the new main liner and provides a flexible seal.



The LMT™ Saddle is snapped onto the *Lined Main Pipe* providing a new *Lateral Tap*. The saddle covers more than 180-degrees of the main liner forming a structural new connection.



The lateral pipe is connected to the new pipe extending from the LMT™ using *Non-Shear Couplings*. The end result is a structural new *Lateral Tap* that does not protrude into the main pipe, is compatible with all pipe types and connects the lateral pipe directly to the main liner ensuring a long-term effective Main/Lateral Seal.



A photograph of the Chicago skyline at night, with the city lights reflected in the water. The skyline includes several prominent skyscrapers, and the reflection is clear and detailed. The sky is a deep blue, and the water is dark with bright highlights from the city lights.

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