



Trenchless Repair - CIPP

Cured in Place Pipe lining is a method of creating a new pipe within an existing pipe. This is achieved by pulling or inverting a resin impregnated tube through the existing pipe and curing it thus forming a continuous corrosion resistant structural lining that fits tightly against the internal wall of the original pipe. Sewer relining is a quick and economical process in lieu of replacing pipes by open excavation. This process prevents major traffic disruptions and health hazards from potential exposure to raw sewage.

The **Cured in Place Pipe (CIPP)** is a trenchless rehabilitation process used to repair existing pipelines using a styrene-resin saturated felt tube. In this type of repair, the process will include the contractor:

- Using pumps and hoses to re-route sewer flows, ensuring sanitary service to customers.
- Cleaning the pipe using high pressure water hoses.
- Inserting the resin-coated tube into the existing sewer, “curing” the tube with steam or heated water, and pushing it tightly against the existing sewer walls. Once hardened, the tube creates a “pipe within a pipe” that is free of cracks and holes.
- Taking a video for post-lining inspection and City approval.



The **Benefits of having the pipe lined.**

- The actual pipe lining process typically takes less than two days to complete.
- Allows for pipes to be rehabilitated without disturbing the surrounding neighborhoods and businesses.

BEFORE



AFTER