

# CIPP



Cured-in-place pipe (CIPP) lining is a specialized trenchless method used to rehabilitate and repair underground pipelines that have become damaged or degraded over time. It involves the installation of a new pipe liner inside the existing pipe, creating a smooth, durable, and corrosion-resistant barrier that restores the structural integrity of the pipeline and improves its hydraulic efficiency. [Here's a general overview of the process:](#)

**INSPECTION:** Before the CIPP lining process can begin, the pipeline must be inspected by Mainline's team of experts to assess its condition and identify any areas of damage or deterioration. This is typically done using video cameras or other inspection equipment to provide a detailed view of the interior of the pipeline.

**PREPARATION:** Once the pipeline has been inspected, it must be cleaned and prepared for the CIPP lining installation. This may involve the use of high-pressure water jetting or other specialized cleaning techniques to remove any debris or obstructions that could interfere with the installation process.

**LINER INSTALLATION:** The CIPP liner is then installed inside the existing pipe, typically using a method known as inversion. This involves impregnating a felt or fiberglass liner with resin and inserting it into the pipeline using air pressure or other means. Once the liner is in place, it is inflated and cured with heat or UV light to harden the resin and create a solid, durable barrier.

**FINAL INSPECTION:** Once the CIPP lining has been installed and cured, the pipeline is inspected again to ensure that the liner is properly positioned and adhered to the walls of the pipe.

Any necessary repairs or adjustments can be made at this time to ensure that the pipeline is fully rehabilitated and restored to optimal working condition.

CIPP lining is an effective and efficient method for rehabilitating and repairing underground pipelines, offering a number of benefits over traditional excavation and replacement methods. It is less invasive and disruptive than excavation, reducing the risk of damage to surrounding structures and minimizing the impact on traffic and other activities. Additionally, CIPP lining is often more cost-effective than excavation, making it a popular choice for municipalities, utilities, and other organizations seeking to maintain and repair their pipelines in a cost-effective and sustainable manner.

<b>Requirement</b>	Existing Service Rehabilitation & Repair
<b>Specialist Service Offering</b>	CIPP
<b>Miscellaneous Civil Works</b>	
<b>Foul Sewer / Stormwater / Sleeve</b>	✓
<b>Water / Gas</b>	
<b>Size Limitations</b>	50mm - 1800mm

