

## DEVELOPING

## INNOVATIVE SOLUTIONS

## TO CHALLENGING PIPELINE REHABILITATION PROBLEMS

*When it comes to pipeline renewal, there is no single method that suits all situations. Industry experts know that the most effective solution is obtained by matching the method with the specific needs of the project. For Interflow, an Australian leader in infrastructure renewals, this is just part of its operational philosophy.*

**W**ell-known as a provider of high-quality and cost-effective repair, restoration and renewal solutions for deteriorated underground pipelines and related assets, Interflow prides itself on finding the right solution to the right scenario.

“Our long-term standing in the industry, along with our robust systems and planning, and meticulous safety record, means that we are well-educated to the various challenges associated with asset renewal,” Interflow’s Victorian-based Business Development Manager, Scott Jordan-Legg, said.

“We always encourage our clients to get involved with us during the early planning stages as this provides the best overall opportunity for delivery success. It ensures that we can work with our clients to develop solutions that meet their requirements, considering factors like customer and stakeholder impacts, worksite safety, asset condition, asset location and operating conditions.”

In addition to providing pipe renewal products, Interflow also offers its clients an extensive range of pipeline renewal services, making Interflow a true total solutions provider. These services extend across the full asset management lifecycle processes which include asset planning, design, construct, condition monitoring, and preventative and reactive maintenance.

Interflow is currently working on the renewal of a 110-year-old Melbourne

sewer, which required rehabilitation due to the risk of infiltration, exfiltration and possible collapse.

The 4.5km section comes in a range of sizes and cross-sectional shapes. About 1.1km is circular with a diameter of 600mm. The remaining 3.4km area is ovoid shape with dimensions ranging from 1050mm x 675mm to 1200mm x 825mm.

The circular sections are being lined with Interflow’s proprietary SPR™ EX-Expanda pipe spiral wound PVC liners and the ovoid sections lined with Interline™ UV, Interflow’s fibreglass UV cured in place liner.

The fibreglass liner is an especially strong type, meaning that a relatively thin wall will be all that is needed to meet full structural requirements.

“The ovoid section is the largest Interline UV project Interflow has carried out to date,” Interflow’s Southern Operations Manager, Robert McEwen, said.

The installation is being carried out without the need for excavation. While the Expanda pipe liner can be installed in live flow conditions, full sewer bypass pumping has been operated for the Interline UV liner installation.

In addition to the sewer lining, the project involves rehabilitation of some 43 maintenance holes along the sewer route. Interflow is restoring these maintenance holes and applying a corrosion resistant coating of Interchem™ CAC (calcium aluminate cement) to extend their operational life.

## A TRUSTED SERVICE PROVIDER

Interflow knows that effective customer and stakeholder management is crucial to the success of a project and delivering the best outcomes for its clients.

In a project such as a sewer renewal, Interflow works collaboratively with clients to ensure all parties have a mutual understanding of what is to be delivered and clear alignment of all parties’ expectations.

“We are methodical in our approach to renewal works. This ensures that we are providing our clients with the optimum renewal solution,” Mr Jordan-Legg said.

“Equally important in our delivery approach and success is that we are providing clear communication with our client, their customers and stakeholders, risks are mitigated, and the impact on the community is minimised.”

Founded in 1936, Interflow’s long history in the asset management space ensures it has an intimate understanding of what its clients need.

“We solve our clients’ problems while providing the best value for money. Works are completed according to the client’s specification and according to plan, ensuring a positive result for all,” Mr Jordan-Legg said. **U**