

MOONEE VALLEY SEWER UPGRADE

URBAN PRECISION IN MOONEE VALLEY

In 2019, City West Water required new sewer pipeline through an established inner-metropolitan corridor in Moonee Valley where open trench construction was not viable. Adept Civil Pty Ltd was engaged to deliver the trenchless works, with Empire Infrastructure supplying the pipe and pre-fabricated bends.

GRP WITH PRE-FABRICATED BENDS FOR A COMPLEX ALIGNMENT

Empire supplied 360 metres of DN300 BOSSPIPE™ Centrifugally Cast GRP (CC-GRP) Jacking Pipe along with pre-fabricated bends produced to match the project's specific alignment geometry. The bends allowed the pipeline to follow the required route without additional shafts.

"On urban sewer projects, the ability to supply fabricated bends alongside the main pipe run is what makes a complex alignment achievable," said Aaron Mackley, Director of Sales & Operations at Empire Infrastructure.

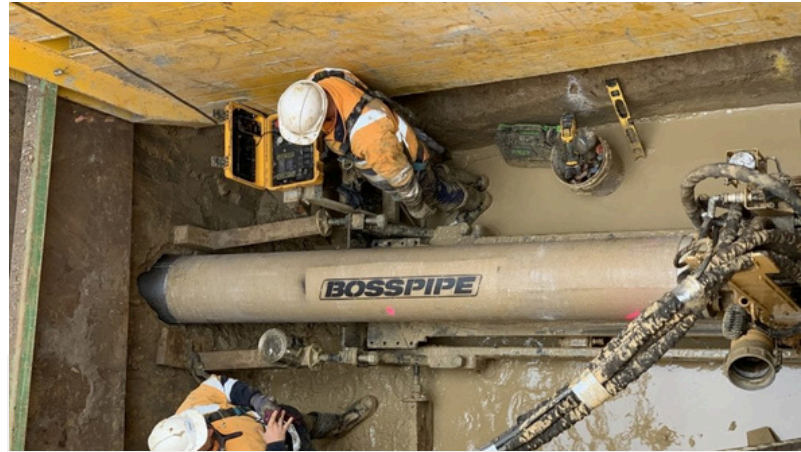
DN300 CC-GRP pipe offers the structural stiffness required for microtunnelled installation and strong resistance to the corrosive conditions common in sewer service environments.

TRENCHLESS INSTALLATION IN A HIGH-DENSITY CORRIDOR

Works were completed using microtunnelling, suited to the dense residential and commercial environment where surface disruption needed to be minimised. The pre-fabricated GRP bends allowed the alignment to navigate the required route without compromising the integrity of the jacking system.

COMPLETE PIPE AND FITTINGS FROM ONE SOURCE

Supplying both the main pipe run and the pre-fabricated bends from a single source simplified procurement and reduced coordination risk for Adept Civil, supporting an efficient delivery program.



PROJECT DETAILS

Location: Moonee Valley, VIC

Contractor: Adept Civil

Client: City West Water

Product: BOSSPIPE™™ CC-GRP with pre-fabricated bends

Scope: 360m of DN300 Jacking Pipe with Bends

Stiffness: SN200,000

Pressure: PN 1


Installation: Microtunnelling

Moonee Valley demonstrates Empire's capability to supply complete pipe and fittings packages for complex urban sewer upgrades, including fabricated components engineered to specific alignment requirements.

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