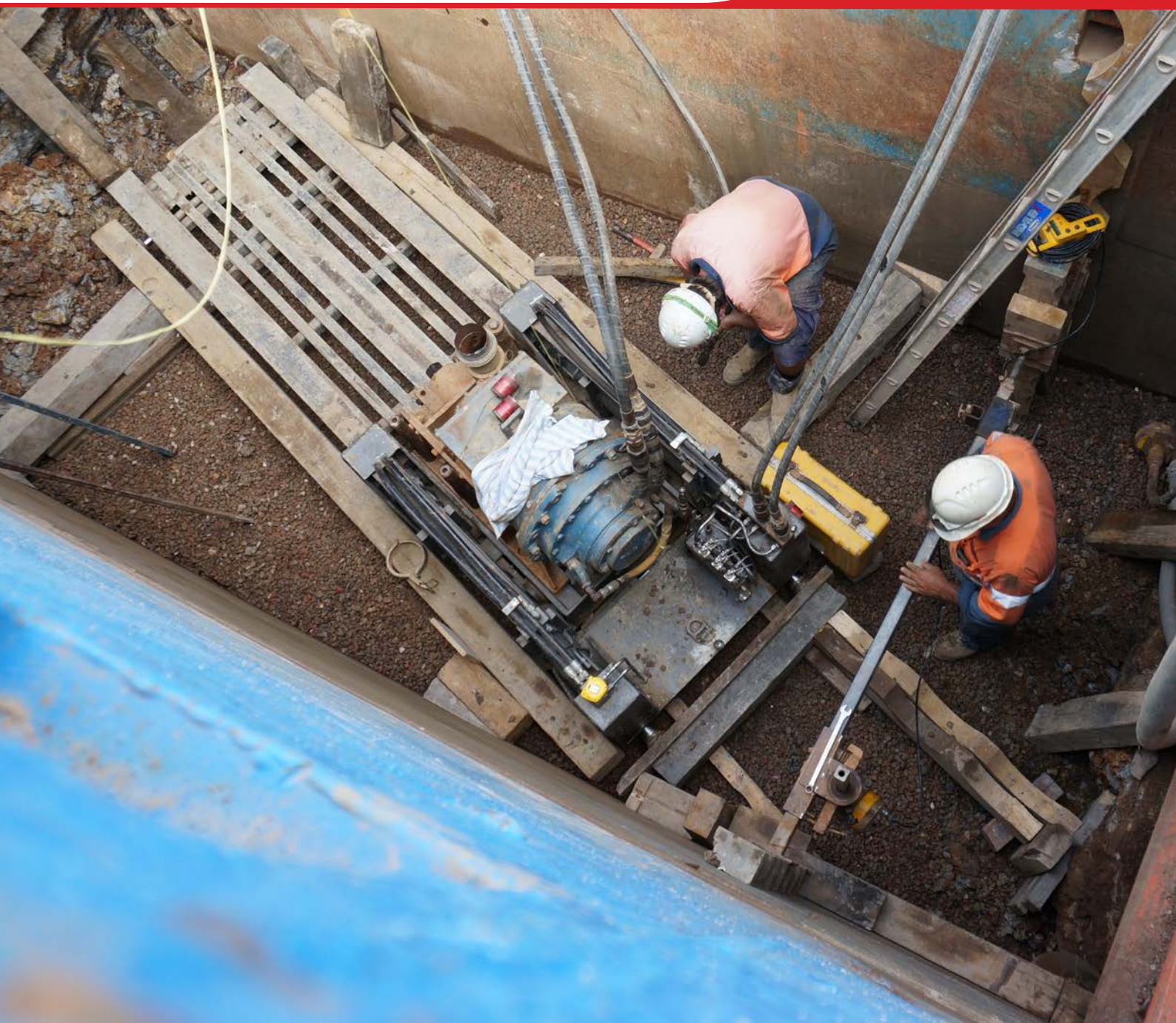


PEZZIMENTI TUNNELBORE



Specialising in: **Highly Accurate, Laser-Guided Microtunnels.**

Kellyville



PHONE | + 61 (2) 4735 6676

WEBSITE | www.pezzimenti.com.au



A small residential development at Kellyville required the existing sewer system to be extended with Ø300 main for a distance of 318 metres, with 109 metres to be microtunnelled.

+ Microtunneling Under Conservation Zone

The downstream section from Ch 21 to 130m crossed under a drainage reserve/tree conservation zone. This section was microtunnelled in 2 microtunnels: 50m long @ 1.04% and 59m long @ 1.02%. The ground was a mixture of clay and shale.

Length
50m + 59m

Bore Diameter
Ø300mm

Outer Casing Pipe
Ø500mm MS

Carrier Pipe
Ø300mm

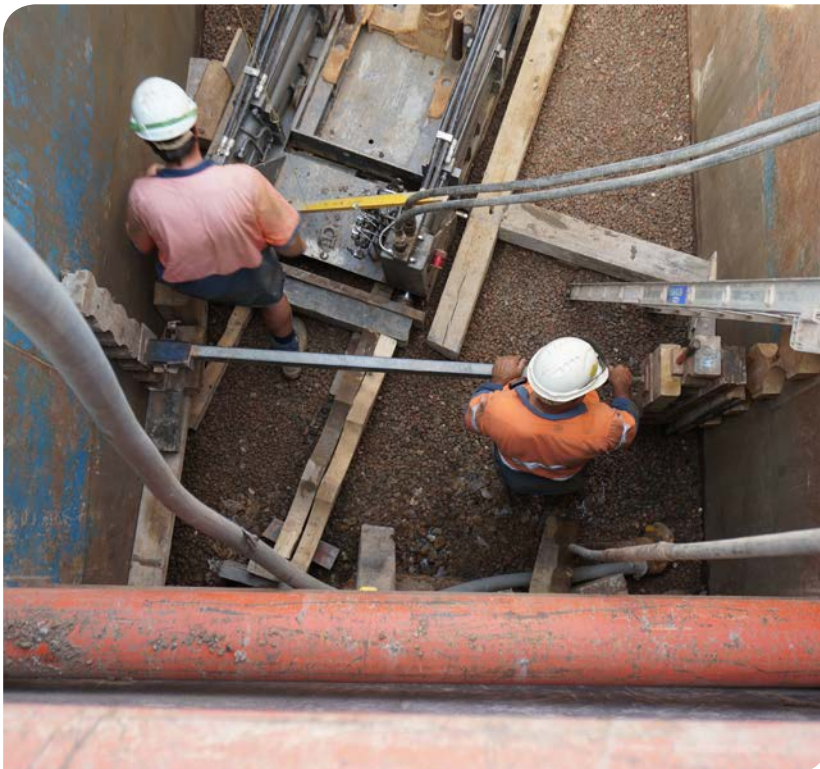
Ground
Clay and Shale

Grade
1.04%, 1.02%



+ Freebore in Self-Supporting Ground

The designer specified a 500mm outer steel casing with a $\varnothing 300\text{mm}$ carrier. Both sections were firstly freebored as the ground was self-supporting. Despite the absence of a need for an encasing pipe, the steel casing was sliplined into the microtunnel as per the designer's request and then followed by the carrier pipe. The annular space was grouted.



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For all inquiries – including Job Inspections, Quotations and Project Feasibilities – please don't hesitate to contact Pezzimenti Tunnelbore. We are confident we'll hit the mark on your next microtunneling project.

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When Accuracy Matters.