

PEZZIMENTI TUNNELBORE



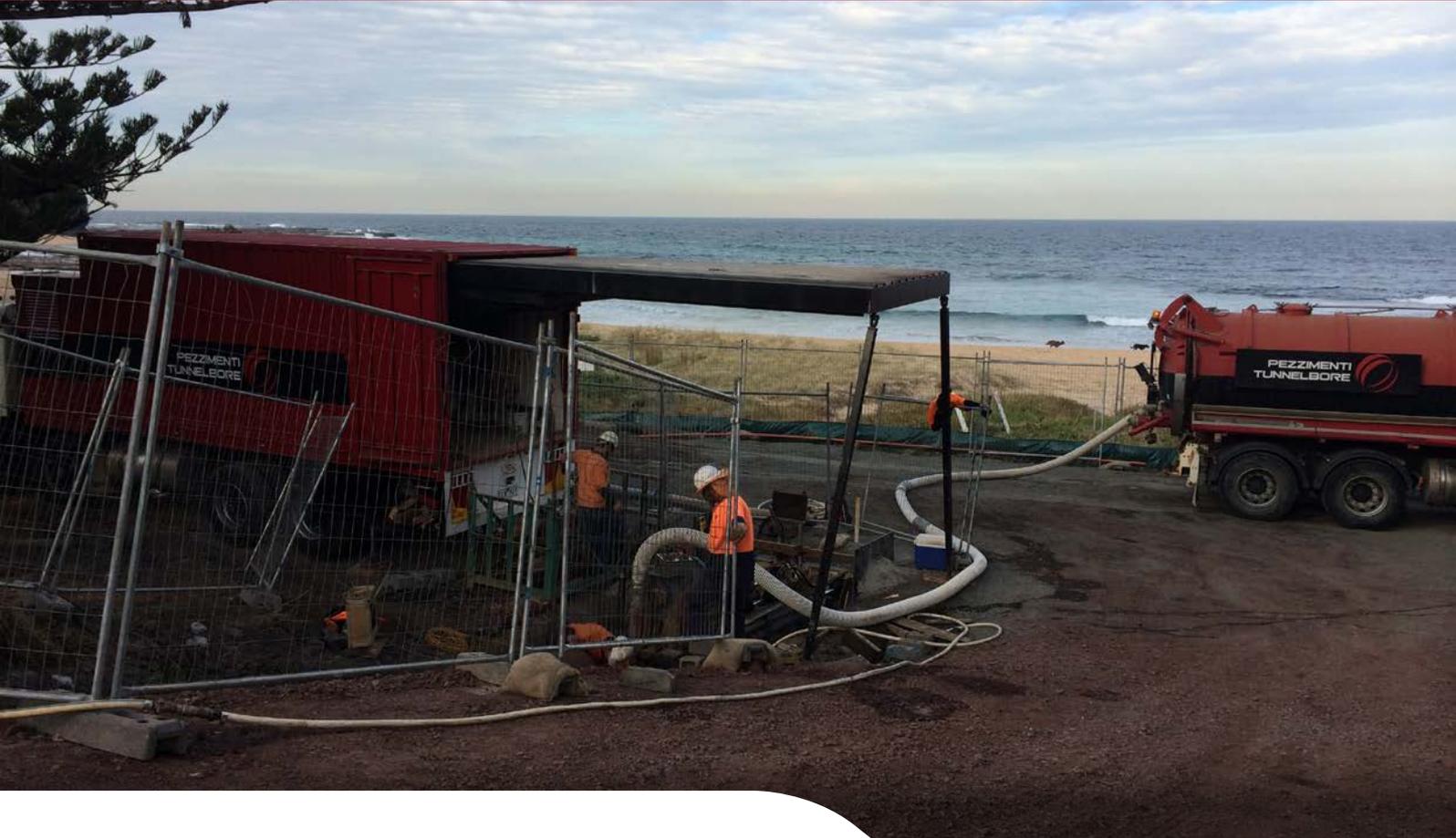
Specialising in: **Highly Accurate, Laser-Guided Microtunnels.**

Austinmer



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Lawrence Hargrave Drive is the meandering coastal road linking towns north of Wollongong to Stanwell Park. With sea cliffs on one side and the Pacific Ocean on the other, the region has a long history of battles to maintain the stability of major infrastructure. Drainage is critical.

The RMS required a new culvert to be installed alongside an existing one under Lawrence Hargrave Drive at Austinmer. The RMS awarded the work to Interflow who then sublet the microtunnelling work to Pezzimenti Tunnelbore.

Length
26m

Bore Diameter
Ø830mm

Jacked Outer Casing
Ø830mm Steel

Carrier Pipe
**600mm J-Series
Concrete Jacking Pipe**

Ground
Boulders / Loam

Grade
3.5%

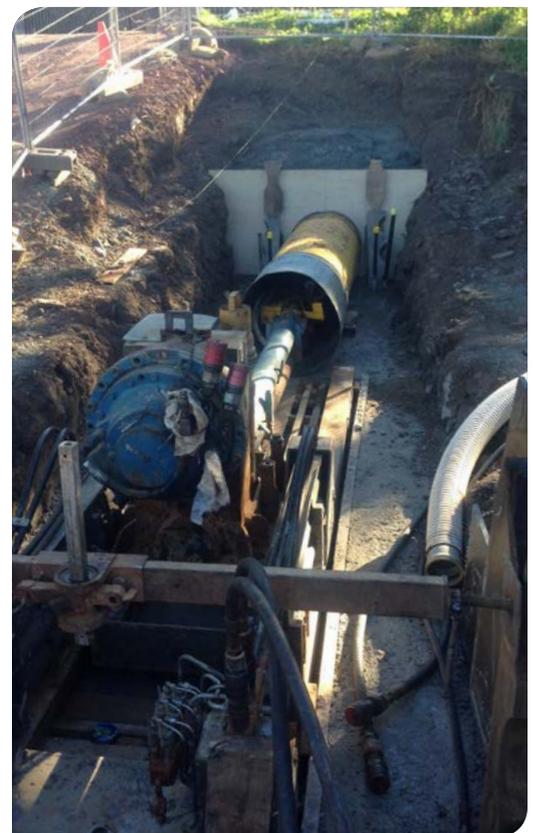


The 26m long x Ø830mm microtunnel was installed in very poor backfilled ground – a mix of boulders and loam. No access to retrieve the microtunnelling head was possible on the exit side. The carrier pipe was designed to be 600mm dia concrete RRJ jacking pipe.

It was decided to pipejack a 830 mm diameter steel casing first. Retractable cutters were fabricated which allowed for full face support of the poor ground and then were designed to retract to allow the head to be pulled back to the jacking shaft after breakthrough at the exit end.

Interflow managed the construction of the jacking shaft and pipework which was completed by Athassel P/L.

The work took 3 days to complete the drilling and another 3 to install pipes and grout.



PEZZIMENTI TUNNELBORE



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.