

# PEZZIMENTI TUNNELBORE



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

## Leppington

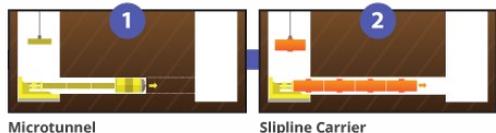


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WEBSITE | [www.pezzimenti.com.au](http://www.pezzimenti.com.au)

METHOD FOR THE 244M LENGTH

Freebore in Self-Supporting Ground.



OUTCOME

Free Pipe



TOTAL

408m



DIAMETERS

Ø530  
Ø630



GROUND

Shale &  
Clay



CARRIER PIPES

250PE  
450GRP  
300GRP



OUTER CASING

610 Steel  
508 Steel



As part of the South West Growth Centre Project, Diona were awarded the Leppington North section. Part of this package included a set of three bores.

One bore in particular was in a deep area. The designers designed manholes approx 250m apart in accessible areas. A microtunnel was required to construct the pipeline between them at a particularly flat grade, so accuracy over that distance was paramount.

Client

Diona

Location

Leppington

Length

408m Total  
3x Microtunnels

Categories

Deep Shaft  
Long Length



## Project Details

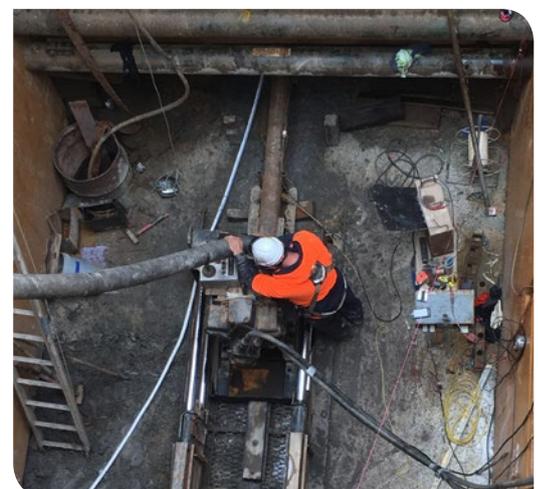
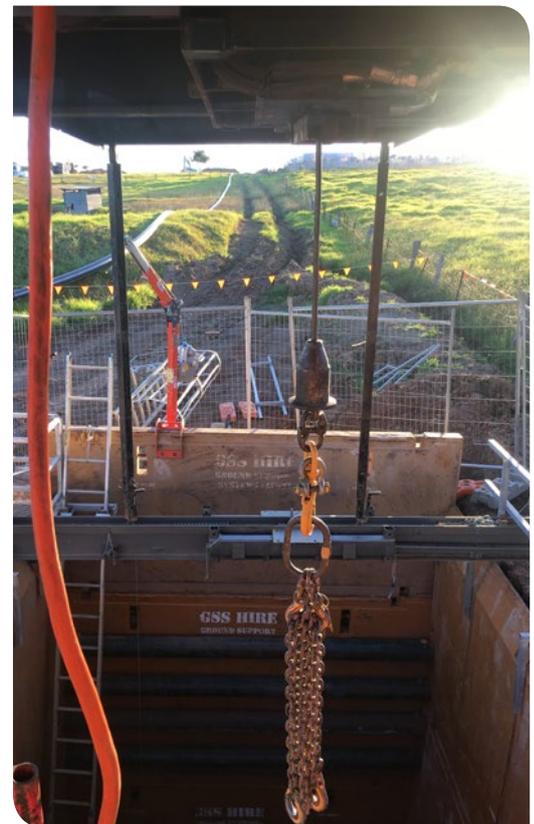
The shafts were setup for an intercept bore as, depending upon ground conditions, it may not have been possible to bore the entire 242m from one end.

As it turned out, the bore was completed successfully from one end in favourable conditions. There was no need to intercept the first bore from the far end.

Diona installed the polyethylene carrier main by stringing it out on the surface and pulling it through. They agreed that this was a difficult task at such depth - with poly being not that flexible at that diameter during the colder months.

A better solution would have been to have Pezzimenti install 3m GRP lengths for the same result.

Two other shorter pipejacks were completed on the same Project under Camden Valley Way and Bringelly rd using steel sleeve as the enveloper. Once completed, the GRP carrier main was inserted and 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.

+ WEBSITE

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**When Accuracy Matters.**