

PEZZIMENTI TUNNELBORE



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

Macquarie Park

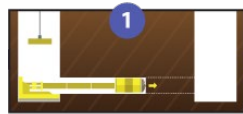


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METHOD FOR BOTH BORES

Freebore in Self-Supporting Ground.



Microtunnel



Slipline Carrier

OUTCOME

Free Pipe



LENGTHS

90m
35m



DIAMETERS

Ø345
Ø950



GROUND

Clay and
Rock



CARRIER PIPES

225uPVC
900GRPJP



OUTER CASING

Not
Required



A new development consisting of 6 separate unit blocks required both the internal sewer and stormwater systems connected to the main drainage systems.

Both the sewer and stormwater systems were located approximately 100m on the other side of a retirement village. En route was a boundary fence, gardens and backyards within the village.

Client / Head Contractor

Ardee Civil

Location

Macquarie Park

Length

**2 x tunnels
90m, 35m**

Categories

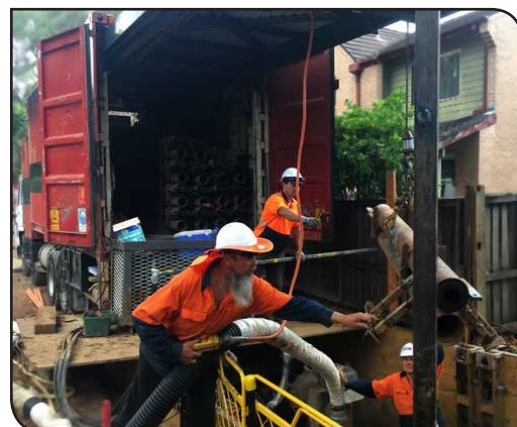
**Residential Area
Difficult Access**



Geotechnical investigations were undertaken indicating rock along the route. This enabled Pezzimenti to freebore, pull out then slipline the pipes. This was most beneficial as there was not enough room to build a full shaft at the upstream end to remove the head.

However, when the bore shaft was excavated, fill was found. This type of fill could not be bored through. Thus one section was open cut along the fence causing a disruption to the houses and fence line to a point mostly solid ground was found. The bore began here. With the stormwater being so close to the surface, this was necessary to avoid a cave in on the 950mm bore. One advantage of the container truck was that it could fit up a 4.5m easement to reach where this point was. The vacuum was located some 50m away in a car park. Spoil was taken off site in bins.

The sewer, being deeper, was founded in solid ground and was a successful free bore.



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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.