

Diaphragm Wall for William Street Station
Jet Grouting for TBM Break-In at William Street Station



After the Sydney Airport City Link project and the Cook's River crossing at M5 motorway in Sydney, this is the third important diaphragm wall project carried out by VSL-Intrafor Australia, setting our company as the major contractor in this field.

The main project is part of the South West Metropolitan Railway (SWMR) running from Perth to Mandurah in Western Australia.

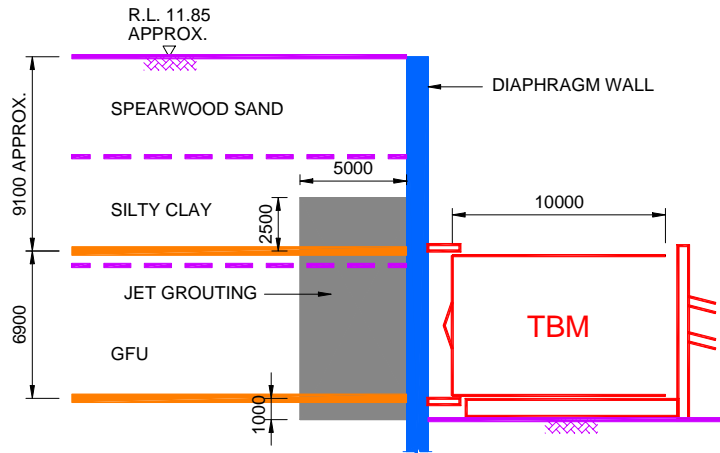
The William Street Station is part of the Package F and is located in the centre of the city of Perth. The diaphragm walling and foundation works were awarded to VSL-Intrafor mid 2004 and the works started in July 2004. The scope of works includes:

- Diaphragm Wall as a permanent wall to the station 1m thickness; perimeter of 340m; 9,500m² of excavation.
- 14 Barrettes 2.8m x 1m each, founded at 36m below ground level.
- Static Load Test on barrette and diaphragm wall panel.
- Soil Improvement by jet grouting for the Tunnel Boring Machine break-in.

Works were to be carried out in coordination and compliance with traffic and utility diversion and demolition schemes.

Two diaphragm walling rigs and one jet grouting equipment were imported to Perth for the completion of the works.

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OWNER :
Public Transport Authority of
Western Australia

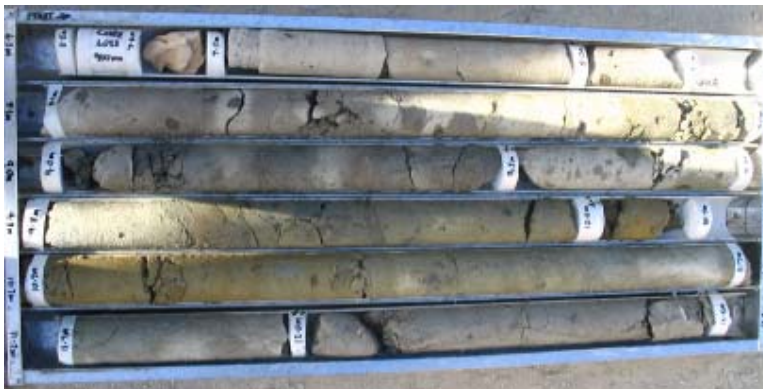
MAIN CONTRACTOR :
Leighton Contractors Pty Ltd.

DESIGNER :
Maunsell Australia Pty Ltd.

FOUNDATION CONTRACTOR:
VSL-INTRAFOR



Jet Grouting Operation



*Coring Test – to check the compliance with the jet grouting
requirement
Compressive Strength UCS of IMPa*

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