



KURV APARTMENTS

PROJECT CASE STUDY CS 004

Project:
Kurv Apartments

Location:
Newstead, Brisbane

Client:
Cavcorp

Main Contractor
Torre

Pile Type:
Secant Pile Wall

Pile Installation Process:
Continuous Flight Auger

Project Duration:
May 2013 – July 2013

Project Value:
\$1.5M

Frankipile Australia was the specialist foundations & geotechnical contractor selected to install the basement retention wall for the Kurv Apartments development.

The building is a seven level mixed use development containing residential, commercial and retail spaces with a two level basement car park.

The ground conditions were challenging with up to 10m of soft clay before more competent material was encountered.

Frankipile installed approximately 300 continuous flight auger (CFA) piles forming 150 plan metres of secant pile retaining wall.



Frankipile engineers designed a secant pile wall basement retaining system with ground level propping off the capping beam which completely eliminated the need for ground anchors. This solution required careful coordination between the Main Contractor, the Engineer and Frankipile to ensure the design intent was achieved at the various stages of construction.

This solution provided significant programme advantages and avoided the need to seek anchor approvals from neighbouring owners and the local government authority.





Locations

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Other related services offered by Frankipile include:

- Large Diameter Bored Piles;
- Enlarged Base "Franki" Piles
- Driven Precast Piles;
- Retaining Systems (Soldier Piles, Sheet Piles, etc.);
- Displacement Piles.