

## BORED PILES

Bored Piles are non-displacement piles capable of carrying large vertical loads and are particularly efficient and cost effective when boring into cohesive soils. Where unstable strata is encountered temporary or permanent casing, bentonite slurry, or polymers may be used to progress the bore.

Bored Piles offer larger diameter piles than any other piling method and permit pile construction through particularly hard strata.

Once the required depth is reached the auger is withdrawn. The base of the pile is cleaned and inspected prior to reinforcement installation and pouring of concrete.

### Advantages

- Low noise and Vibration
- Very high capacity
- Able to penetrate strong Bedrock
- Suitable for tension loads
- Cost-effective piling technique
- Minimal site preparation
- Ideal for foundation and piled earth retaining systems
- Restricted access Capability

### Specifications

- Pile diameters range from 300 mm to 3.0 m.
- Piling Lengths range to 90m.
- Rig weights range from 11t to 180t.



# PROJECTS

## **One One One Eagle Street, Brisbane, QLD**

**PROJECT OUTLINE:** Located at the heart of Brisbane's exclusive riverfront setting and the Central Business District (CBD), this iconic and modern building is centrally located with a wide range of amenities and services, both within the building and close by as well as being on the door step of the well established Riverside Precinct.

**AVOPILING SCOPE OF WORKS:** Construction of 11 No. 1800mm, 2200mm & 2500mm dia. up to 38m deep piles; 8 No. "Plunged Columns" piles installed up to 40m deep and each plunge column length varies from 21m to 26m and weights around 38-43t.



## **The GAP 50 Coal Seam Project, QLD**

**PROJECT OUTLINE:** The Goonyella to Abbot Point Expansion Project (GAP) is one of the largest rail infrastructure projects undertaken in Queensland's history. The project scope included 69km Northern Missing Link railway, linking the Goonyella and Newlands System; expansion of existing track through the Newlands System and some associated works in the Goonyella System, to allow trains to travel north to Abbot point.

**AVOPILING SCOPE OF WORKS:** Construction of 14 No. 900mm and 1800mm dia. up to 14m deep.



## **Sydney Airport Terminal 1, Departures Redevelopment, Sydney, NSW**

**PROJECT OUTLINE:** The T1 Departures Development comprises the construction of a triangular shaped extension to the existing departure lounge covering the area previously occupied by Bays 20 & 22.

**AVOPILING SCOPE OF WORKS:** Bored cast in-situ piles designed to carry column loads up to 11.5MN. Construction of 111 No. 750mm, 900mm & 1200mm dia. cast in-situ piles up to 45m deep.



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