

## DRIVEN PILES

Driven Piles consist of several types; Steel H-Piles, Tubular/Pipe Steel Piles; Precast Concrete Piles; Composite Piles and Timber Piles.

They are a cost effective piling technique and can be used in a variety of soil conditions. Dependant upon soil conditions, piles can be driven to depths in excess of 80 meters and carry high individual loads or can be grouped together for heavier loads.

Driven piles are versatile, adaptable to ground conditions and are self proving on achieving a 'set' for certain loads. Driven Piles can speed up program times as piles are prepared off site and therefore ready once installed. Driven Piles remove the requirement to remove spoil from site and can therefore be ideal for working in contaminated grounds.

### Advantages

Can be installed in virtually all soil conditions

Minimal Site Preparation

Very quick and precise construction

No spoil removal

Consistent quality, piles can be inspected prior to installation

A variety of different Pile types

Can be installed on a rake

### Specifications

Driven Pile Diameters range from: 200 x 200mm for square piles to 550mm for octagonal piles as well as 300mm to 1600mm for tubular piles

Driven Pile lengths range up to 50m

Driven Pile rig weights range up to 95t.



# PROJECTS

## **Pacific Highway Bonville Upgrade, NSW**

**PROJECT OUTLINE:** The Pacific Upgrade Project includes approximately 10km of dual carriage highway with 3 interchanges, service roads and 21 structures, including bridges and fauna overpass.

**AVOPILING SCOPE OF WORKS:** Driving of 182No 600mm, 750mm and 900mm piles up to 30m deep.



## **Douglas Arterial Duplication, QLD**

**PROJECT OUTLINE:** The project involved transforming the existing Douglas Arterial road into a median-divided, four-lane motorway. The new 5.6km road follows the existing TMR reservation and alignment of the Douglas Arterial, 250m bridge across the Ross River was constructed upstream of the existing Bridge, along with a two-lane bridge over University Creek.

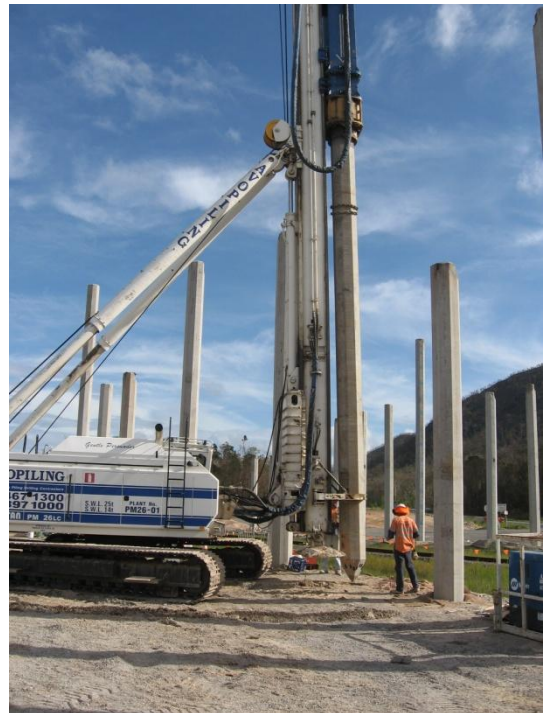
**AVOPILING SCOPE OF WORKS:** Driving of 228No 550mm octagonal piles up to 37m deep.



## **Cardwell Range Alliance, QLD**

**PROJECT OUTLINE:** The project consists of a 4km road realignment over the Cardwell Range, including a 180m long viaduct, a single span bridge over the railway at Rungoo Crossing and a number of other bridges and extensive reinforced earth retaining structures.

**AVOPILING SCOPE OF WORKS:** Driving of 24No 550mm octagonal piles up to 28m deep.



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