PTP ALLIANCE OVINGHAM

OVINGHAM LEVEL CROSSING REMOVAL PROJECT

PILING FACT SHEET

The Ovingham Level Crossing Removal Project is undertaking piling works that will support the Torrens Road bridge, ramps and retaining walls.

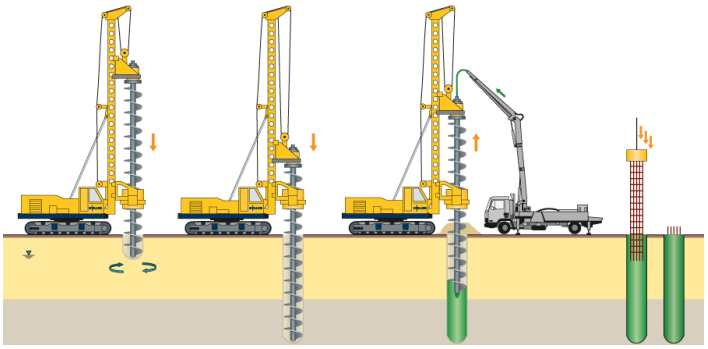
What is piling?

Piling is the construction of columns in the ground that provide vertical support to a structure, by transferring structural loads into stable soil or rock. Piles are installed vertically into the ground.

The primary method of piling used for this project is Continuous Flight Auger (CFA) piling. CFA piling is an efficient method that is one of the least intrusive forms of piling. This means that construction impacts are reduced for the local community.

A pile is formed by drilling a shaft into the ground with an auger (a drill resembling a large corkscrew) that is attached to a piling rig. Concrete is then injected under pressure through the hollow stem of the auger, and the auger is removed. Once the concrete has been injected, a reinforced steel cage is inserted into the concrete to complete the pile.

Once the concrete is set, pile cropping is then undertaken by breaking away the top section of concrete down to the desired level. This leaves the reinforced steel cages exposed to make an effective bond for the pile cap, which is a mass concrete structure that sits on top of the pile and is the first level of foundation for the structure being built.



CFA piling construction

Piling on the Ovingham Level Crossing Project

The Torrens Road bridge will have 89 piles in total, with 40 on the eastern side of the railway line and 49 on the western side of the railway line. The depth of piles will range from 15 to 24 metres into the ground.

More information

For more information, please contact the PTP Alliance via phone 1300 613 533 or email ovinghamcrossing@ptpa.com.au

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