

Piling

Fact Sheet

Piling

Piling works will be completed as part of the construction of the new interchange at the intersection of Aldinga Beach Road and Main South Road, Aldinga.

What is piling?

Piling is the construction of columns in the ground that provide vertical and horizontal support to a structure, such as a bridge or retaining wall. Piles connect to stable soil or rock.

Piles are installed vertically into the ground and can be made from reinforced concrete, steel or timber.

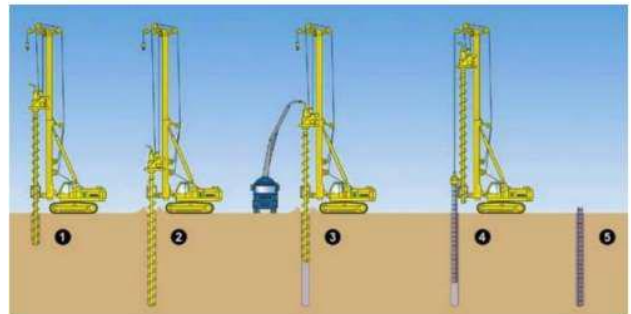
There are various piling methods used in construction, but generally it involves boring or driving them into the ground. Piling creates a strong and stable foundation.

The type of piling used on this project

The most common method of piling used for this project is Continuous Flight Auger (CFA) piling.

For this method, a pile is formed by drilling a shaft into the ground with an auger - a drill resembling a large corkscrew. The auger is attached to a piling rig, which is a construction machine designed to drive piles into the soil.

CFA piling is one of the least intrusive forms of piling and has low vibration and low noise. It reduces construction impacts for the community and local wildlife.



The Continuous Flight Auger piling process

More information

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