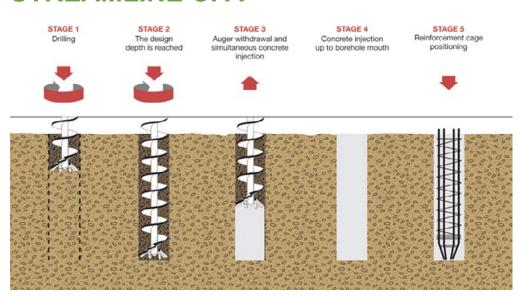


# WELCOME TO THE FUTURE OF PILING

CLL has recently innovated a tried and tested piling solution for poor, soft and unstable ground conditions. Streamline CFA is now adapted for light commercial and residential use.

### STREAMLINE CFA



Stage 5 reinforcement includes; Timber, UC-Beams, Reinforcement Cages and Strand Anchors.

### **APPLICATIONS:**

- Residential
- Industrial
- Commercial
- Excavator based as opposed to Crane based

#### **BENEFITS**

Removes issues such as:

- Cave-ins
- Casings
- Water Table Issues
- Low site establishment
- Up to 100 lineal mtrs per day

## STREAMLINE CFA Vs BORED PILING

Streamline CFA offers numerous advantages over conventional open bored piling in poor ground conditions.

### LOW VIBRATION AND NOISE

The increase in urban densification has made traditional bored piling, sheet piling, and driven piling more problematic. Streamlined CFA (Continuous Flight Augering) offers an excellent solution, as it minimises noise and vibration impacts on nearby businesses and residents.

### **COST AND TIME**

Traditional casings for stabilising collapsing ground are expensive, slow, and often have long procurement times. Streamlined CFA eliminates this need.

Our modified piling equipment resolves issues of conventional piling, such as high mobilisation costs, long setup times, and the need for engineered piling platforms.

While conventional bored piling is slow and fragmented, the Streamlined CFA drills in a single pass, pours concrete, and installs reinforcement in as little as 20 minutes per pile, boosting production.

### **SAFETY**

Streamlined CFA eliminates the risks associated with hole collapse, open holes, and the need for protective measures and costs typical of conventional piling methods.

### **ACCURACY**

Drilling to the full depth in a single stroke reduces the likelihood of enlarged hole diameters, resulting in lower concrete consumption and less spoil removal. It also enhances positional accuracy.

### **CAPABILITY**

The center of the pile can be installed as close as 400mm from adjacent structures, making it ideal for projects in confined spaces. Available diameters are 350mm, 450mm, 600mm, and 750mm.

Up to 8.5m for S-CFA Hard Pile (with REO cage)

Up to 9m for S-CFA Soft Pile (with no REO cage)







## **CASE STUDY**

The Streamlined CFA process proved highly effective in a recent project involving the installation of retaining wall posts.

Conventional piling methods failed as the holes collapsed due to the water table, present at a depth of 3 meters.

By utilizing 600mm diameter CFA piles, we successfully reached a depth of 5.8 meters despite the challenging wet sandy conditions.

This approach not only saved the client considerable time but also resulted in significant cost savings.





## **NON-NEGOTIABLES**

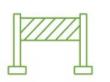


NO LIFT IS TO BE DONE
WITHOUT A
LIFT PLAN IN PLACE /



NO MACHINE OR VEHICLE MOVEMENT WITHOUT A SPOTTER





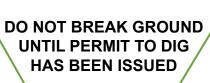
ISOLATE PILING ZONE USING SIGNAGE AND BARRIERS



NEVER LEAVE OPEN HOLES UNCOVERED



NO CELL PHONE
USE WHILE DRIVING
OR OPERATING



**MUST BE IN PLACE** 



## **CORE VALUES**



## Integrity

We are straight forward and ethical. We are astute and considerate.



## Courage

We take personal responsibility. We are confident in our ideals.



## Selflessness

We put service and people first.

We respect and share knowledge with each other.

We give others confidence and promote growth.



## Innovation

We are strive to think, feel and act - rather than react.

Weare innovative and receptive to new ideas.



## Respect

We have respect for ourselves, each other, our clients, the environment, and our plant & equipment.





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