



NEWLANDS CRICKET GROUND

Cape Town, South Africa



Project Facts

Product

CFA Lateral Support Piles, Anchors, Guniting arches, Franki DCIS Foundation Piles

Market

Commercial

Client

Peter Erasmus Project Managers

Main Contractor

Steffanuti Stocks Building

Achievements

- Working through winter in Cape Town with up to 1400mm of rain.
- Assisted with changes to the lateral support design to include the flood lights base alongside and the northern part of the cricket stadium.
- Water draining from the cricket grounds had to be redirected and pumped to storm water.

- **About the project**

The Development forms part of the Cricket Grounds. The rezoning of the NCG will transform it into a sustainable mixed-use sport, commercial, education and leisure-orientated precinct.

- **Challenges**

Dealing with water runoff towards the site and in the site was a challenge as Newlands is one of the highest rainfall areas in South Africa.

The Newlands Cricket Ground Light Mast was in the way of the battered slope and so additional lateral support was engineered to incorporate this light mast and part of the stadium.

- **The solution**

The lateral support solution consisted of CFA soldier piles with guniting arches and temporary ground anchors for $\pm 1700\text{m}^2$.

The earth retention solution around the light mast consisted of CFA piles, anchors and strapping slabs.

The foundation option was most cost effective by using ± 700 no. Franki DCIS piles in the basement floor.