

# CASE STUDY



## Concrib maximises land values in Dakabin with 2,500 square metres of concrete sleeper walls

### Summary

- Project:** 125 Lot Residential sub-division  
**Client:** Civil Contractors Pty. Ltd.  
**Location:** Alma Road, Dakabin, Qld  
**Stats:** Approx 2,500 square metres of concrete sleeper walls.  
**Consultant:** Queensland Structural Engineering

Concrib was commissioned to construct approximately 2,500 square metres of concrete sleeper walls at a residential development in Dakabin.

### Project challenges

Although the natural sub-grade material appeared to be suitable stiff clays, the site was plagued by areas of very high ground water levels and subterranean springs. In addition, complex multi-level four-way wall intersections were required where some lots adjoined.

### Concrib's solutions

As a consequence of this, some sections of the site required that the footing details of the walls be redesigned to compensate for the changed geotechnical conditions. Some piers for the high and tiered sections of walling were required to be 600mm in diameter and up to 5 metres deep complete with a full spiral reo-cage.

### Maximising land values

In this project, the Concrib team made use of the new tinted sealant — proving that concrete sleeper walls don't have to be grey, rather they can be coloured to blend in well with their surroundings. Hot-dipped galvanised steel posts were used thereby providing an extremely narrow construction footprint for the walls that aligns with Concrib's commitment to maximising land values.

### Need an engineered retaining wall system?

Talk to the experts at Concrib. We have the knowledge and experience to tackle a variety of earth stabilisation, and construction projects.

Please contact us on (07) 3375 1800, or visit our website at [www.concrib.com.au](http://www.concrib.com.au) to see more examples of our work.