

CASE STUDY

Pettigrew Hill Stabilisation

Three-tiered crib wall system

Height: 3.75m / 1.75m / 3.75m

In September 2003 a landslip occurred at a site located in Ipswich, Queensland. The area is known as Pettigrew Hill and is the site of a prominent water supply reservoir. Following this event, Ipswich Water called for expressions of interest for a design/construct contract to provide remediation and stabilization of the area with the criteria to reduce the potential for, and the control of, any future slippage.

Concrib was subsequently engaged to design and construct a retaining wall system that addressed the engineering criteria. The solution offered was a three tiered concrete crib wall system with a total elevation rise of 12m over a setback of 24 metres. The lower wall of 3.75 metres featured a curved face to match the local roadway, the mid wall was 1.75m in height, with the upper wall 3.73m in height. Total face area of the three walls was 295m².

The walls were completed within time and budgetary constraints. Special consideration was given to drainage requirements in the reinstated fill and this was achieved with the free draining nature of the Concrib concrete crib wall system.

Need a crib 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 to see more examples of our work.

