

GEO | construct



Project	Island Point Road, Port Douglas, Qld
Technology	Launched Soil Nails and Composite Retaining Wall
Client	Prime Constructions Pty Ltd
Completed	2010

The Island Point Road project consisted of the construction of a composite soil nail, micropile, Geosynthetically Confined Soil GCS® Wall system. Affording incredible ocean views this prestigious residential and holiday location provided developers with unique site stability challenges.

Geo Construct (formally PD&C) and consulting partner Geo Design (formally MFC) were asked to provide an innovative and economical design solution that would allow the client to replace a proposed seven metre high concrete retaining wall with a landscaped planter boxes whilst maintaining stability to an adjacent unit complex. With the proposed concrete wall concept quoted in the vicinity of \$1M, Geo Construct was able to provide the client with an alternative design-construct solution for approximately one third of the cost.

Working closely with the client, their architect and landscape design team, PD&C provided the developer with the finish they wanted to achieve, protected the adjoining property from instability and was able to satisfy architectural design ideas to construct a near vertical composite GSC/concrete planter box retaining wall.

Completed in less than 6 weeks, this complex project involved an innovated approach and necessitated a seamless relationship between design and construction phases to achieve an incredible result that was both economical and architecturally pleasing.

Photo: One of only four machines in the world, the ballistic soil nail launcher effortlessly installs soil nails at a rate of approximately 100 nails per day.



Photo: Shotrods are installed and plated, with micropiles and strip drains along with block planter boxes.



Photo: Complete composite GCS & block retaining wall system ready for landscaping.

