

## Casuarina Beach Masterplan Development



### Location

Gold Coast, Australia

### Client

Consolidated Properties

### Project Value

AUD\$650.0 Million

### Start Date

January 2000

### Office Responsible

Cardno

### Responsibilities

Civil, structural and environmental consulting

### Project Scope

Casuarina Beach is a new \$650 million oceanfront township being developed on the Tweed Coast.

The creation of residential, commercial, resort and recreational precincts required the design and construction of major supporting engineering infrastructure such as roads, sewerage, water supply and drainage.

The sensitivity of this immense coastal site posed exciting challenges in designing innovative engineering solutions, particularly in relation to infrastructure stormwater drainage and water quality.

The management of the stormwater and water quality meant taking advantage of the naturally permeable sands which absorb the stormwater flows. This new development includes a variety of drainage features which are recognised throughout the world as best management practices.

Casuarina Beach also introduces a unique integration of landscaping, streetscapes, and recreational facilities to the Tweed Coast region. These engineering designs are sensitive to the amenity of the residents and the township between the Pacific Ocean and Cudgen Creek Nature Reserve. Recreation facilities offer over four kilometres of cycle ways and boardwalks, meandering throughout the township. Seating, showers, shelters and public amenities all display a coastal beachfront theme.

### Contact

[urban@cardno.com](mailto:urban@cardno.com)

1300 782 171 (in Australia) or your local office

+61 7 3369 9822 internationally

[www.cardno.com](http://www.cardno.com)