

## Waterfront City



### Location

Australia

### Office Responsible

Cardno Grogan Richards

### Responsibilities

Planning and documentation,  
Construction supervision

### Project Scope

ING's \$1billion Waterfront City covers 19 hectares of the desirable Melbourne Docklands, with the precinct soon to become home to over 20,000 residents.

The retail stores, restaurants, bars and entertainment facilities are estimated to see over 25,000 employed across the site, with the attractions and accessibility of the Docklands expected to bring 20 million visitors a year. Waterfront City is home to the 120 meter high Southern Star Observation Wheel, which is set to become one of Melbourne's main tourist draw cards.

Cardno Grogan Richards provided civil and traffic engineering expertise to facilitate construction of Waterfront City's roads, intersections, storm water drainage, sewers and water reticulation.

This required detailed assessment of the sites traffic, civil and infrastructure requirements, after which roads, parking, and signalised intersections were designed and documented. CGR was also responsible for the design, documentation and construction

supervision of all civil works, and coordination of service infrastructure.

Throughout the project many challenges arose, with low bearing silt, a high water table and contaminated ground water complicating documentation and construction. Additionally, the bioretention system used demanded a pumped discharge to prevent an inflow of salt water from the Moonee Ponds Creek, and further complications arose as a result of redesigns to accommodate undocumented ground services and structures.

CGR's ongoing negotiations with infrastructure authorities ensured the numerous redesigns and dispensations were managed in an efficient and timely manner. Despite tight deadlines being a constant pressure, CGR's provision of on and off site assistance ensured the project was completed on time.

### Contact

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

1300 782 171 (in Australia) or your local office

+61 7 3369 9822 internationally

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