

Randwick Environment Park Boardwalk

Randwick, New South Wales – A new boardwalk completes the 1.2km loop around Randwick Environment Park. This boardwalk was built to replace the dilapidated dirt track and provide ease of accessibility to all users, including the use of strollers, wheelchairs and mobility scooters. This elevated design allows for flora and fauna to thrive or pass through under it.

Treadwell was engaged to design and supply the FRP structural sections, grating, handrail balustrades and related fixings for this project.

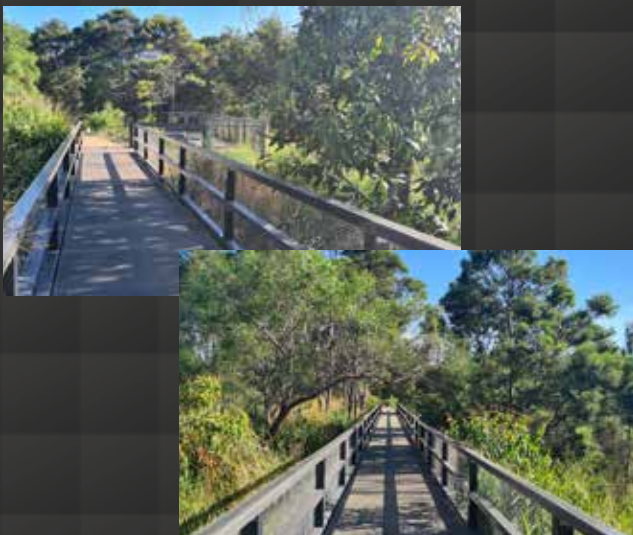
Project Challenges

- The boardwalk had to be able to be wheelchair friendly.
- Sustainability and minimal impact on the surroundings were key requirements.
- The design and material had to allow the native flora and fauna to thrive.

PROJECT INFORMATION

Project Category:	Recreational Public Infrastructure
Scope of Work:	Design & supply FRP products
Treadwell Products:	NatureTREAD™ ArchitEX™ FRP Structural Sections EX-Series® GratEX® FRP Mini Mesh Grating NatureTREAD™ FRP Handrail Balustrades Related fasteners

Treadwell Solution:



1

Treadwell's FRP products are constructed from premium resins with corrosion resistant and fire retardant properties, as well as UV inhibitors.

2

The openings in GratEX® FRP Mini Mesh grating allows for water and debris to fall through, creating a self-maintaining anti-slip surface, while allowing ventilation and sunlight through for the vegetation beneath to thrive.

3

The lightweight nature of FRP ensures minimal impact on the surroundings as installation is done without heavy machinery, and there is minimal loading on the natural environment.

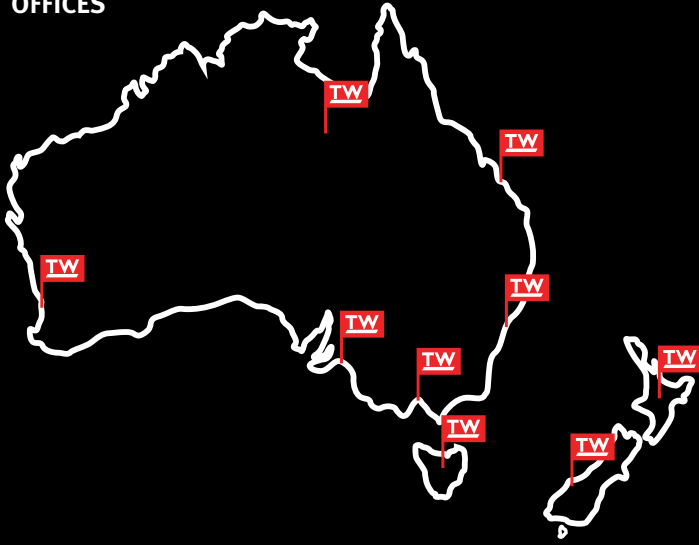
4

Any variance on task is easily managed with hand tools, without the need for a hot works permit.

5

FRP is durable, and has a long design life. This means it is virtually maintenance free, keeping maintenance costs to a minimum.

OFFICES



ABOUT TREADWELL

At Treadwell Group, our core business divisions have been developed utilising the latest fibreglass reinforced plastic (FRP) technology. With constant innovation and evolution of our offerings, we grow in competence with each experience in delivering unparalleled solutions to a diversified index of industries which include the water and wastewater, mining, oil and gas, public infrastructure, marine sectors. The progression of our products has been focused on ensuring extended design life in varied applications, enabling us to support our continuing commitment to satisfy and add value to our client's endeavours.

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▶ **STRATHALBYN (FACTORY & WAREHOUSE)**

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