



ROAM MARINE

Z Marine Pty Ltd
ABN 52 144 660 702
11/20 Churchill Ave
Subiaco, WA 6008, Australia

Mb 0413 933 163
Phone 08 9381 9091
Email zmarine@roam-marine.com
Web www.roam-marine.com

Project: Gladstone

Client: TAMS

Project scope: TAMS were contracted to install a new dolphin and access catwalk at Shells berth in Gladstone.

Work includes:

- Installation of 8*1000mm piles including drilling
- Precast dolphin caps and insitu fill
- Catwalks



Dolphin and catwalks

Roam scope:

RM design of temporary works included:

- Stability of vertical and raked piles with shallow embedment, including with 26t drill
- Pile bracing and access crowsnests
- Support of precast dolphin shells on the piles
- Lifting studies and lift beams



Pile bracing



Precast dolphin shell