

Telco: Tasman Global Access Network

Distance: 2km

Location: Raglan

Scope:

This project involved relocating the existing sub-sea cable into the new beach manhole and installing the following:

- 2km of 3 x 63mm duct
- 2 manholes
- 3.3 x 2.2 x 3m beach manhole
- 5 x 1.5m diameter cable pits
- Storm water catch pit

Achievements:

- This solution delivered up to 20Tb/s over a two fibre pair submarine system spanning 2280km between Raglan, Waikato and Oxford Falls, Sydney.
- All bends, ascents, decants or changes in direction of the duct reticulation was managed in such a way as to ensure the final duct laid was free of bends and fell below a 3m internal radius.
- Replaced an existing beach manhole and 55m armoured sub-sea cable. This involved digging a new trench 300m from the low water mark.
- Coordinated with the beach users and surf school while working on a narrow, access constrained worksite. All while managing timings for low and high tide.
- Bridge crossings had to be drilled beneath the bridges to ensure cable security, adding more complexity to the drill shot.
- Hauled the armoured sub-sea cable from the beach manhole to the cable landing station.
- Numerous client initiated variations to the project were managed promptly.
- On project completion, the client issues a letter of recommendation for the work done.





Beach manhole