

Far North Plumbing Pty Ltd was awarded the project in August 2011 under the auspices of Flanagan Consulting Group, for the Torres Strait Regional Island Council. The project involved the supply and installation of 1.2km of DN100 DiCL watermain traversing the mountainside to the reservoir, by way of constructing concrete piers onsite. Interconnection with two pump wells enroute, and connection to the community water supply. Logistics such as freight to the isolated island, contingencies in the case of urgent stock requirements for unforeseen obstacles, provision for the IEP and considerations of culturally sensitive areas had to be weighed and managed to ensure the works were able to progress without incident.

The site alignment provided unique challenges, as the country was virgin uncleared forest up the side of the mountain that had to suffer minimal disturbance in the course of the works. 30 cubic metres of rock had to be removed from the path of the pipeline at the base of the mountain. This was achieved by use of chemical expansion rock breaking compounds to break the rock into smaller and more manageable pieces. The rock was utilised to prevent scouring in a nearby creek, thus benefiting the community further. The concrete piers were constructed onsite to suit the pitch of the hill and the critical path of the line. The lengths of pipe were physically carried up the mountainside to be installed on the piers and connected. Training had to be undertaken with the Council Representative to ensure he was competent with the procedures required to maintain the line and the water quality for the community.

The project was completed ahead of time and within budget, and we are proud to say that there have been no issues to address to date.



