

Project

Design of the river abstraction works, reservoirs and reticulation for the Sampofu Community Water Supply Scheme

Location

6 km west of Tugela Ferry
KwaZulu-Natal
South Africa

Client

MBB Engineers and Aquamanzi

Project Manager

David Still with Matthew Vollenhofer

Project Value

R 6 million

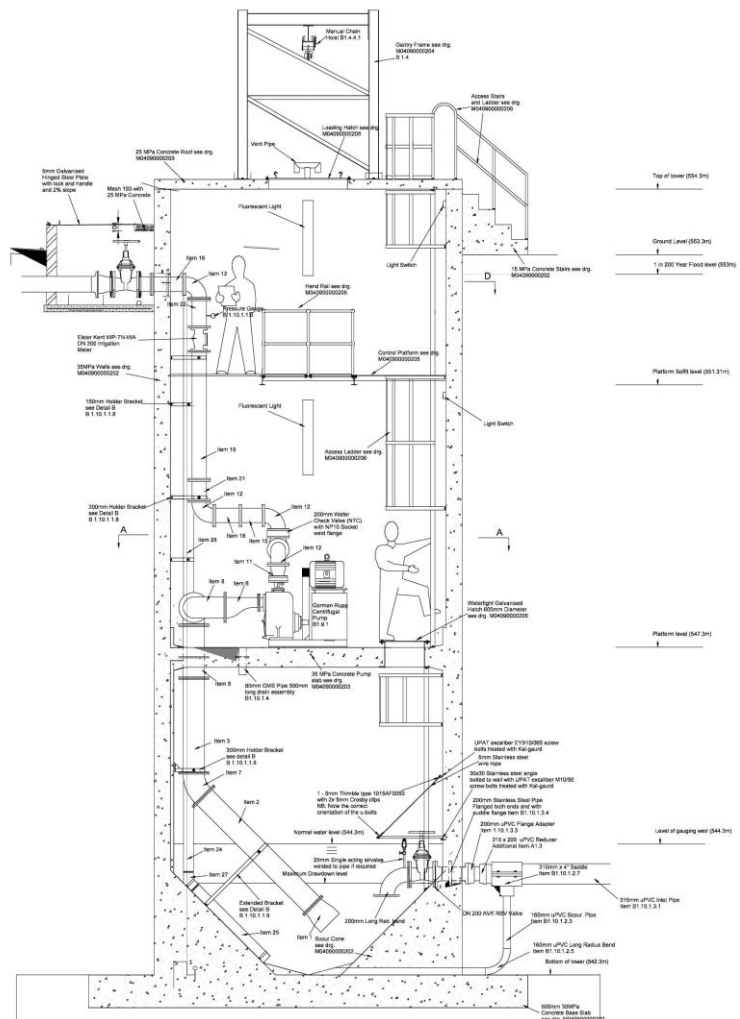
Date Completed

2004

Brief Description

The water supply to Sampofu and the adjoining Tugela Ferry is drawn from the Tugela River. This was challenging because this river varies in level by up to 10 metres during major floods. The abstraction point was located in the pool behind an existing siphon across the river. The abstraction works was split into two levels – the lower level was a wet well connected to the river, and the upper level was a dry well housing the pumps and the electric controls.

To prevent silt build up in the wet well a backwash system was provided using the water from the rising main for scouring. The entrance to the dry well was located above the flood plain. The total height of the abstraction tower was 12.5 metres.



PID Ref No. 288

Sampofu Community Water
Supply Scheme