

RECENT PROJECTS

Mangrove Creek Dam – Filler Pipe Valve Replacement Works

Contract Value: \$190,000

Final Value: \$270,000

Client: Central Coast Council

Client Contact: Brendan Probert

Gongues Constructions was engaged by Central Coast Council to undertake the replacement of the Filler Pipe and Valves downstream of the Dam Intake Tower.

The scope involved the replacement of the Filler Pipe valves and associated pipework and removal, off-site restoration and re-installation of 21 trash racks.

The existing infrastructure was not capable of being isolated and as such an isolation plate with KGV was installed by diving contractors at a depth of 53m.

This project posed numerous risks and challenges including:

- Deep diving depth limiting each divers 'bottom time' to approximately 15minutes with poor visibility.
- The replacement of pipes and valves was completed in confined space conditions with very limited working room.
- Due to excessive rain during the project, the dam level increased above legal diving limits using standard oxygen arrangement. An ROV contractor was engaged to open the valve spindle using a custom made arm attachment.

