

Caval Ridge Utilities Works



Location

Moranbah, Queensland

Client

BM Alliance Coal Operations and
Bechtel Australia Pty Ltd

Commencement Date

November 2012

Completion Date

March 2014

Contract Value

\$55 million

With an extremely condensed time frame, BMD managed multiple work fronts across civil, structural, mechanical, piping and electrical disciplines.

Overview

BMD were awarded the contract for the supply and installation of all site wide utilities services, which were required to service and assist with processing mining operations.

Project Scope

The works comprised of above ground and underground piping services over a 180 square kilometre site. The scope of work included:

- Structural foundation earthworks involving pump skids, truck fill stations, explosives magazine, communications tower and trenching;
- Road crossings at Peak Downs Highway and underboring two PE100 pipes;
- Electrical works including pit, conduit and platform installation, power cabling, cable ladders and a CCTV system;
- Installation of over 90 kilometres of pipework ranging in size from DN25 - DN630 as well as large bore galvanised carbon steel at the truck stations and water storage tanks;
- Concrete works including 21 dam pump skids, foundations and columns for structural steel at three truck fill stations and LP and DB platforms; and
- Three creek crossings and a levee wall crossing for PE100 pipework.

Outcomes

Due to the expansive nature of BMD's scope for underground services, many of the road crossings had to be coordinated with other contractors. To manage the works, BMD consulted with the local government to instigate Traffic Management Plans with all contractors to ensure safety on site.

The client was able to commence transporting coal one month earlier than scheduled and BMD maintained a positive working relationship considering the scope demands.

BMD expedited the works and achieved a desirable outcome for the client by instigating design changes through Field Change Documents. This resulted in cost savings and strengthened BMD's relationship with the client.