



BHP Sediment Dam & Culverts

Client:

BHP Mitsubishi Alliance (BMA)

Project Duration:

7 months

Enquires:

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PROJECT BRIEF

Complete the construction of sediment dams and water control devices to manage excess groundwater on site during the wet season which interferes with operations on the mine.

Project Challenges

Despite the early onset of the wet season and the COVID lock down, the project was completed within an accelerated program.

Project Approach & Objectives

Construction of access road for bulk excavation and removal of the existing water structures and materials for future site use. Locally sourced and conditioned materials enabled effective placement and compaction for sediment dam's constraints. A shorter program made coordination with supplier's paramount to timely completion.

- 37ML & 67ML Sediment Dam construction.
- Installation pumping systems and associated PE piping and HDPE release structures including concrete encasement, aprons, headwalls required for water transfer.
- Landscaping, topsoil and Hydro mulching of all project working areas.
- Supply and installation of rock protection.
- Construction of approximately 3.2km of LV access track to remove the LV/HV interactions
- Culverts, Concrete cut-off walls, causeway and road pavements.
- Installation of fuel pod, MCC Unit and associated PE piping for water transfer.
- Sourcing of zoned embankment fill through test pitting.
- Erosion and sediment control infrastructures.
- All general land rehabilitation.
- Cut to spoil with topsoil management and stockpiling