North Para Flood Control Dam

Client
GRFMA - Gawler River Floodplain Management Authority

Location
Kingford

Procurement
Shortlisted Selected Tenderers

Engagement
ASZ2124 Construct Only

Contract Value
$12 million

Duration
June 2006 to December 2007

Project Description
The construction of a roller compacted concrete “RCC” flood control dam on the North Para River located 7km northeast of the township of Gawler. The project consisted of the following main elements:

- Provision of temporary works including site access, upstream & downstream coffer dams with piped river diversion & onsite concrete batch plant.
- Excavation to rock foundation over dam footprint including detailed dental treatment.
- Construction of the main RCC dam structure being 200m in length by 32m high, requiring the batching and placement of 45,000m³ of RCC.
- Deployment of innovative jump formwork system for sheer upstream face and stepped downstream.
- Integrated secondary spillway structure also with RCC and various misc metalwork structures including debris frame, access ladders and handrails.