



Middlemount Coal (MMC) 13 Mile Gully Project

Client:

Middlemount Coal Pty Ltd

Project Duration:

5 months

Enquires:

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PROJECT BRIEF

Construction of new 3km gully diversion works in an environmentally sensitive area to allow for recovery of resources beneath it, including western levee extensions to provide suitable flood immunity for future mine pits.

Project Challenges

Environmentally sensitive areas and tight time constraints due to wet season approaching.

Project Approach & Objectives

Assess and manage staged construction to prevent the effects of weather events. Strict environmental and cultural heritage guidelines were followed. Removal of existing parts of Western Levee and selective stockpiling of materials for reuse in Stage 2 works.



- Excavation of 700,000m3 material along 3km alignment
- Install Rip Rap Rock Protection (2,500m2)
- Selective tree clearing and stockpiling of materials
- Revegetation of Creek overlay
- Construction of the Nth Western Levee Extension (1km)
- Removal of upstream and downstream earth plugs
- Detailed key in trenching

- General earthworks exceeding 5m in cut or fill
- Construction of zonal embankments to assist environmental management
- Placement and compaction of imported materials
- Material conditioning
- Extensive quality assurance management and testing for regulated structure