Hope Downs Iron Ore Project

PROJECT DETAILS

Civil & Concrete Works for Crushing Mills, Product Handling, Stacker Beams and Train Load Out.

Primary Crusher:

Construction of reinforced concrete primary crusher foundation (major), walls, soffits, beams, counter lever slab, wing walls, and run on slab at Rom level.

Secondary Crusher:

Construction of secondary crushing foundation, walls and soffit including cast-in in concrete embedment's to support crushing units.

Secondary Screening Building:

Construction of foundation (major), pedestals, drive in sump, ground slabs and retaining walls.

Stacker Reclaimers:

Construction of stacker and reclaimer foundations (approx. 4,000 meters) of reinforced concrete beam including installation of rail and grouting to underside of rail base plates.

Train Load Out:

Construction of train load out facility, foundations, pedestals, ground slabs, drive in sump including rail installation and grouting to underside of rail base plates.

Conveyor:

Construction of reinforced concrete conveyor foundations and pedestals commencing from the primary crusher to the train load out facilities.

Transfer Stations:

Construction of reinforced transfer stations x 3 foundations, pedestals, ground slabs, retaining walls

Scope of works included survey set out, detailed excavation, formwork, reinforcing, placing structural concrete, installation of rail including grouting, cast-in concrete embedment's, HD bolts and structural backfill.

Client: Rio Tinto Ltd
Location: Newman, WA
Duration: 14 months
Completion: October 2007
Value: $24m

PROJECT HIGHLIGHTS
Concrete: 5,500m³
Earthworks: 250,000m³
Personnel on Site: 65
Manhours: 75,000

CENTRALS