

# South Flank Expansion Project- NRW



## PROJECT SUMMARY

Global Civil and Mining (GCM) were contacted by NRW to assist with the early stages of the excavation work on the South Flank Expansion Project. NRW had been contracted to deliver on a number of key project areas, including the conveyor line cuttings and foundations, access roads and drainage, and facility pads and foundations for the fixed plant and administration.

GCM's equipment and service has a number of key aspects that were essential in securing the work, including

- ⚙ The ability to produce excellent backfill material directly from the machine without additional processing
- ⚙ An exceptionally low-impact process that allows the machine to work alongside existing infrastructure, blasts and machinery without disturbance
- ⚙ A rapid mobilisation and start-up process that ensured the machine was onsite, supported and producing within weeks
- ⚙ An accurate, GPS-guided milling process that ensures the final design is on-spec, with no requirement to over-excavate and backfill to ensure stability, and
- ⚙ A long history of working closely with NRW in both mining and civil projects.

GCM's portion of the works at the South Flank Project were completed in July 2019, and GCM are excited to have contributed to this next phase of Australian Mining.

**Case Study**  
GCM19-04

**Year**  
2019

**Client**  
NRW Contractors

**Site/Location**  
South Flank Project

**Region**  
Pilbara, Western Australia

**Scope**  
Road, Drainage and  
Cuttings excavation

**Total Production**  
98,200m<sup>3</sup>

**Rock Type**  
Iron Ore & Waste/BIF  
material

**Rock Hardness**  
>80 MPa

**GET Consumption**  
Average of 8.5 bcm/pick

**Safety**  
Zero LTIs

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