



WATER MANAGEMENT INFRASTRUCTURE

Rio Tinto Iron Ore Case Study 1

UON were engaged by Rio Tinto as the head contractor for the design, supply and construction works as detailed below. This extensive dewatering project has contributed greatly to the lower carbon footprint and commercial viability of this mine as a whole.



25

Team members

90

Items of equipment

200,000

Hours worked LTI-free

PILBARA

Region

RIO TINTO

Client

IRON ORE

Commodity

D+C

Contract

KEY SUCCESS

During these projects UON achieved several key successes, with the number 1 success joining forces with the local traditional landowners, the Kuruma people. UON have also been recognized for achieving 1 million-man hours LTI-free.

For the project UON received a Golden Quoll Environmental Excellence Award in 2020 for this project.



RIO TINTO IRON ORE CUT BACK

- Clearing and grading, topsoil strip, pipe supply & delivery, earth pinning, civil & earthworks, bore pad construction and concrete
- Installation of above and below ground HDPE Pipeline, valves, fittings bends, reducers support and connections
- Horizontal drilling
- Supply and installation of electrical cables, optic fibre, conduits and terminations
- Supply and installation of controls & communications

RIO TINTO IRON ORE WATER SUPPLY

- Clearing and grading, level corrections, topsoil strip, pipe supply & delivery, crossings, earth pinning and DMR Road and RTIO HDD shots
- Installation of HDPE pipeline connecting bore headworks to transfer tanks
- Supply and installation of transfer water storage tanks
- Installation of interconnecting HDPE pipe work between the transfer pumps and water storage tanks
- Supply and installation of electrical cables, optic fibre, conduits and terminations
- Supply and installation of controls & communications



UON DELIVERABLES

- Clearing and grading, topsoil strip, pipe supply and delivery, earth pinning, thrust blocks, bore pad constructions, concrete and crossings
- Wet plant haulage including 70,000 LCM pad material
- Micro tunnelling and horizontal drilling
- Supply and installation of transfer pump stations
- 20Km above & below ground HDPE pipeline, valves and manifolds
- Steel pipeline, valves and manifolds
- Free-issued MCC's
- Electrical substations and kiosk transformers
- Overhead powerlines and pole top transformers
- Electrical cables, optic fibre, conduits and terminations
- Controls and communications

ENQUIRIES

Visit us 407 Victoria Rd, Malaga, WA 6090

Free call 1800 721 878

Call 08 9248 5133

Email info@uon.com.au

uon.com.au/contacts