



# CARRAPATEENA NORTHERN WELLFIELD PROJECT

## SCOPE OF WORK

GR Engineering was appointed by OZ Minerals Carrapateena Pty Ltd to complete a Front End Engineering Design (FEED) for the Carrapateena Northern Wellfield in October 2018. Upon completion of the FEED phase GR Engineering was engaged under a Guaranteed Maximum Price (GMP) contract to execute the detailed design and implementation phase of the project.

The Northern Wellfield is designed to transfer 370 m<sup>3</sup>/hr of raw water from 9 wells and 3 transfer stations through a 90 km, 400 mm diameter high-density polyethylene (HDPE) above ground pipeline network. The raw water will be used as make up water for the 4.5 Mtpa Carrapateena Copper Gold Concentrator plant.

The work consisted of the design, supply, fabrication, installation, commissioning and handover of all works related to the Northern Wellfield Project. Works included but were not limited to:

- Bulk earthworks including construction of earth pads, access tracks, creek crossings, pipeline corridor and scour pits;
- Onsite installation of concrete works;
- HDPE pipeline supply, delivery, stringing, welding and pressure testing;
- Electrical control system and telemetry supply and installation;
- Commissioning and vendor attendance during commissioning;
- Phased performance testing of the Northern Wellfield infrastructure.

**Commodity:** Non-minerals Infrastructure

**Region:** Australia

**Location:** Approximately 160 km north of Port Augusta in South Australia

**Project Type:** EPC design and construct

**Client:** OZ Minerals Carrapateena Pty Ltd

**Award Date:** January 2019

**Completion Date:** November 2019

**Project Manager:** Aaron Dorai-Raj