



WOOMERA KOOLYMILKA PIPELINE REMEDIATION WORKS, SA

Location

Woomera, SA

Client

Augility (DoD)

Commencement Date

October 2022

Completion Date

July 2023

Contract Value

\$7.9M

Overview

The Woomera Koolymilka Pipeline supplies water from Woomera township to the Range E headquarters. The Pipeline remediation project was undertaken while maintaining water supply to Range E during construction activities.

Scope of Works

- Clear and grub proposed pipeline route
- Supply and install 15Km DN 180 HDPE water main, air valves and scour points
- Liaise with Base stakeholders and Defence during commissioning and swap over of lines
- Decommissioning of 12Km existing Asbestos water main and 3Km of existing Blue Brut PVC water main
- Construct 120m of reinforced concrete sleeve through creek crossings at 2 locations to house water main service
- Construction of concrete aprons around valves
- Construction of pad foundations for cage arrangement at surface valve locations
- Supply and install of reinforced cages for surface valves
- Testing, chlorination and commissioning of new 15Km pipeline

Achievements

- Liaise with local stakeholders to navigate through 6 cultural significant and high risk areas including 2 creek crossings
- Early identification of Design issues which resulted in 8Km of redesign to Pipeline 2. The redesign was completed by Shamrock Civil and provided for use

