

ATCO GAS RELOCATION PROJECT

ENSCOPE

A QUANTA SERVICES COMPANY



PROJECT OVERVIEW

The ATCO Gas Wanneroo-Ocean Reef Road Relocation Project required the relocation of approximately 250m x DN100 CL150 carbon steel, 500m x DN150 CL150 carbon steel gas pipelines, approximately 500m of DN160 PVC gas pipeline and relocation of a High-Pressure Regulator pit.

Enscope provided detailed design and construction site support services to complete the Project in conjunction with ATCO Gas.

PROJECT FACTS

SCOPE

- » Construction of approximately 250m x DN100 CL150 carbon steel, 500m x DN150 CL150 carbon steel gas pipelines, approximately 500m of DN160 PVC gas pipeline and fabrication and installation of a new High-Pressure Regulator pit
- » 3 x HDD installation sections, 2 of which were under trafficable roads
- » 2 x Hot Tap tie-ins to ensure uninterrupted gas supply
- » 2 x Stopple isolations to allow for safe disconnection and abandonment of redundant pipeline sections

CLIENT

ATCO Gas

LOCATION

Pearsall, Western Australia

DATES

Aug 2019 to early 2020

ROLES & SERVICES

- » Dedicated Site Engineering Resource
- » Design and project engineering
- » Construction technical support

KEY CHALLENGES

- » Restricted working space within congested road reserves and multiple utilities re-aligning assets within a restricted common corridor.
- » SIMOPS management during parallel construction of gas pipelines, road modifications (including regular traffic alignment changes) and third party asset modifications
- » Maintaining 100% pipeline operation during all phases of the project works

MAJOR ACHIEVEMENTS

- » Safe and timely delivery of the modifications without gas supply interruption
- » Decommissioning and abandonment of existing pipeline assets clashing with reduced road levels and piling locations so as to allow the road modification works to continue safely as planned



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