



PROJECT REFEREE

Rajesh Radhakrishnan
 Project Manager
 0429 172 236

CLIENT

Sunwater

FB ROLE

Principal Contractor

VALUE

\$2.5M

LOCATION

Mareeba, QLD

TIME FRAME

August 2019 – current

INDUSTRY

Water

CAPABILITIES

Water Transfer
 Infrastructure

Remote & Regional
 Works

Live Connections

EB4 Pipeline Replacement Project

Overview

The EB4 Pipeline Replacement Project is part of Sunwater’s federally funded Mareeba Irrigation Scheme augmentation program. The aim of the augmentation was to upgrade deteriorated trunk infrastructure to reduce water loss and provide end user customers with an increase in scheme reliability. The EB4 portion of the program was the replacement of an existing RCP with a new PE100 pipeline including the upgrade of property connection and flow measurement devices.

Works Undertaken

- Clear, grub and topsoil strip
- 680m OD800 PE100 Pipeline
- 850m OD710 PE100 Pipeline
- 1710m OD630 PE100 Pipeline
- 420m OD500 PE100 Pipeline
- 155m OD400 PE100 Pipeline
- 95m OD400 PE100 Pipeline
- 433m OD355 PE100 Pipeline
- Air and Scour Valves
- 37 End User Customer Connections
- Testing and Commissioning

Highlights, Innovations and Key Risks

- Customer supply – the key project risk was maintaining water supply to existing end user customers. Due to the wide range of crops grow in the area there was no specific timeline that would suit a full network shutdown.
- FB’s solution was the developed a construction methodology that maintain customer supply for the duration of the construction period with all connection completed in a single five-day shutdown period.