

Anglesea-Aireys Inlet Water Supply Upgrade

Date:

August 2015 – December 2015

Location:

Aireys Inlet, Vic

Client:

Barwon Water

Project value:

\$2.5mil

Project Details:

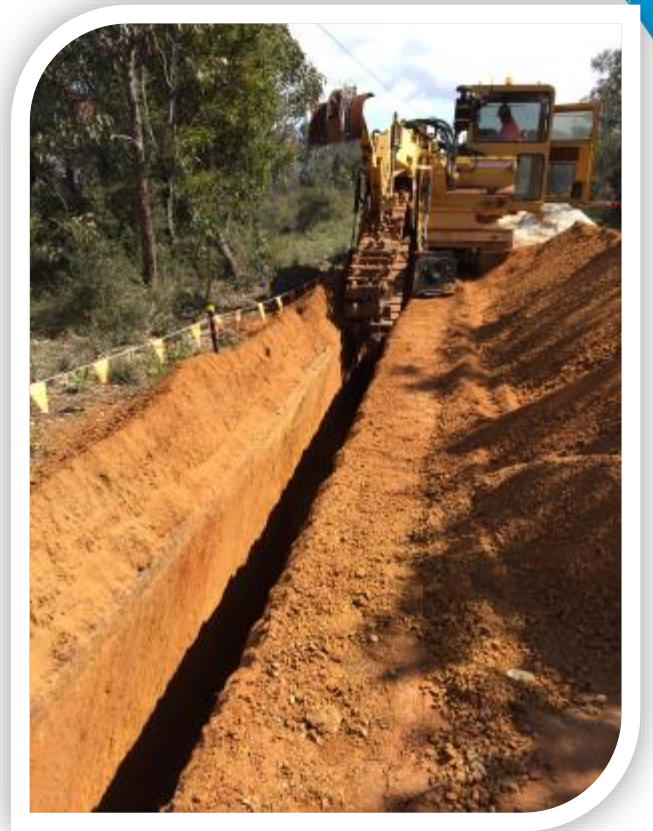
Barwon Water contracted JAYDO for the construction of the Aireys Inlet Water supply upgrade, which was essential as the existing Water Treatment Plant neared the end of its operational life. The project involved the construction of approximately 11km of DN200 and DN250 water pipeline between Anglesea & Airey's Inlet, located approximately 40km south west of Geelong. It required installation within road reserves, with the purpose of the installation to provide water to Aireys Inlet.

Main construction activities included:

- Installation of 10km by traditional open cut construction methods of DN200 PVC RRJ Pipe
- Trenchless works under existing culverts and creeks including compliance with authority requirements
- Trenchless installation of DN250 polyethylene pipe under Tree Protection Zones
- Horizontal Directional Drilling at Old Coach Road
- Installation of 21 Air Valves and 11 Scour Valves
- Working in areas with restricted working easement and around sensitive vegetation

Key Challenges:

Time – the project's construction timeframe was tight. There was a need for a reliable water supply to Aireys Inlet and Fairhaven area, as the reservoir was its only water source and had been suffering water quality issues with blue green algae outbreaks. In addition, the surrounding area had a real risk of bushfire threat and this pipeline was needed to secure a reliable ongoing water supply for local businesses and residents.



Furthermore, the sensitivity of the area, being in The Great Otway National Park, provided an additional challenge which was successfully overcome by the JAYDO team. A highly experienced Level 5 arborist was engaged to help navigate the route of the pipeline, assisting to establish no-go zones around sensitive vegetation and minimise impact to endangered flora species.

Client Feedback:

"The timeframes in which the Aireys Inlet Water Supply Pipeline was installed exceeded Barwon Water's expectations and the construction crew were also mindful of the sensitive environment in which they worked. The Jaydo management team was always keen to explore initiatives which would lead to a better project outcome" said Luke Vague, Project Manager Barwon Water.

JAYDO CONSTRUCTION

91 Boundary Road, Carrum Downs, VIC 3201 Australia
T: (03) 8772 6000 F: (03) 8772 6099 E: info@jaydo.com.au

ABN 16 062 221 596

jaydo.com.au