

Lara Sewer Pump Station

Date:

February 2016 – June 2016

Location:

Lara, Victoria

Client:

Department of Justice

Project value:

\$2.1M

Project Details:

The Barwon Prison Precinct originally treated all sewage and wastewater on-site via the Barwon Prison Wastewater Treatment Plant (WWTP).

Following the proposal of Kareenga - a new 300 bed prison facility - it was identified that the existing WWTP did not have sufficient capacity to treat further wastewater and sewage. The solution involved the construction of an off-site wastewater treatment facility located adjacent to the existing treatment plant.

The works required Design and Construction of a new Sewage Pump Station (SPS) and Sewage Rising Main (SRM) of length 10km. JAYDO were awarded both projects in early 2016.

The works relating to the Sewer Pump Station include

- Design and construction of Aquatec Precast 3.2m Diam Wet Well to depth of 7m (with internal epoxy coating).
- Install of 2 No. 32kW Submersible Pump Sets
- Installation of 4 No. Aquatec 240kL Emergency Storage Vessels
- Construction of 7 No. DN1500 Maintenance Holes, ranging in depths from 2m to 5.3m

- Construction of valve and flowmeter pits, in addition to installation of Mag Flowmeter and associated valves
- Design, supply and installation of Chemical Dosing Facility
- Ventilation fan, ductwork and vents installation
- All associated electrical and mechanical works

Key Challenges:

Large scale excavation was required to install the four storage vessels. This required extensive planning of crane lifts and detailed procedures in order to correctly install the 240kL vessels. Further challenges included the tight project timeline, with delivery of the project fast tracked to meet the opening of the new Kareenga Prison.

Project outcomes:

All works were to be completed and fully operational prior to the end of June 2016, in time for opening of the Kareenga facility in July 2016. Both the SRM & SPS components of the Barwon Prison Precinct Wastewater Infrastructure Upgrade were completed on budget and to schedule, to the satisfaction of the client.



JAYDO CONSTRUCTION

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