

COOLSTORE ROAD Pump Station

Date: **Mar 2020**

Principal: **TasWater**

Project Value: **\$600k**

TASK

This project required Shaw to construct a new sewer pump station to replace the existing pump station due to deterioration of the concrete in the wet well from hydrogen sulfide gas attack.

CHALLENGES

The project had several challenges which required innovative solutions and management from the team. The deep excavation for the new wet well was 5m below FSL within the road reserve. This required sheet piling on three sides of the excavation and assessment from a geotechnical engineer for the structural integrity of the 4th side to allow workers in to level the base for the precast wet well and valve pit safely.

It was identified at the beginning of the project that while the existing switchboard could be brought up to Australian Standards it was not possible to be brought up to TasWater's standards. TasWater issued a variation to the contract to supply and install a new switchboard. The procurement time of the new switchboard caused an 11-day delay to the critical path of the programme. Through efficient use of resources and subcontract management we were able to optimize the works to limit this delays to the programme.

Similarly, Shaw implemented an innovative solution for the pump station structure using precast elements. This minimised the need for workers to be in the base of deep excavations along with reducing the overall programme.

OUTCOMES

Project was completed to a high standard and 7 days ahead of the construction programme. The Project was executed without disruption to all Stakeholders and without Incidents.

