

UNDERSIZED RESERVOIRS Civil Works

Date: Feb 2023 to Sept 2023

Principal: TasWater CDO

Project Value: \$1.0M



TASK

TasWater CDO had a programme to provide additional water tank infrastructure to supplement existing capacity. They required a competent contractor to assist in the construction of hardstands, installation of pipework and associated works at two sites Windermere and Hillwood. The works were to be separated into separable portions nominating initial works to support the tank construction followed by finishing works.

CHALLENGES

TasWater CDO decided to complete the works by coordinating a series of different trades on the site of which the civil earthworks preparation was part. This meant that Shaw needed to work cooperatively with TasWater CDO to manage changing conditions on site as well as a suite of other contractors before and after Shaw's work.

As part of this collaboration and cooperation, Shaw was able to lend its experience and expertise to TasWater CDO to improve the design and accommodate additional safety and quality outcomes. Drawing on the expertise of Shaw's operators saw design outcome that had efficiency and safety improvements.

In place of TasWater CDO, Shaw was able to utilise its in-house survey capability to provide 3D modelling for the site. Shaw built a model which allowed greater efficiency along with improving the fitness for purpose of the end product. This was especially the case with visualising and managing the decommissioning of existing services at the appropriate time as works continued.

The site was populated by existing infrastructure and so careful planning was required of the construction crews to avoid damaging infrastructure during heavy civil works (eg retaining wall construction). Of particular concern was working in an around asbestos pipe noting that some sites were proximate to residential property. Shaw was able to deploy its specialist operators to complete this including undertaking works at night.

OUTCOMES

Working with the varying site conditions and around existing TasWater infrastructure required many changes on site but the works were completed on time and in a cost-effective manner. The site team built very strong relationships between the Shaw and TasWater CDO workers allowing for good communication and ensuring the project moved along as smoothly as possible.