

DOVER

Civil and Mechanical

Date: June 2025 to April 2026

Principal: TasWater CDO

Project Value: \$3.3M

TASK

The Dover township was receiving progressive upgrades to sewer and water infrastructure with this the third project delivered by Shaw. The project included the upgrade of two existing pump stations by the introduction of new wet well and pumping facilities along with emergency storage provision. To service these pump stations, dual rising mains and new gravity sewer mains were also installed.

CHALLENGES

The pump station locations were situated in low lying areas which ultimately were susceptible to ground and marine water inflows. Combined with their significant depth, Shaw employed excavation stabilisation techniques including the use of sheet piling. Water ingress along with poor soils not adequately identified prior to site works meant that Shaw's excavation techniques needed constant evolution on site.

The pipeline alignment for the rising mains passed through largely public lands, however, it did require construction in tight locations, in areas of poor accessibility and considering the use of horizontal direction drilling. The technical aspects of pipeline construction were complicated by needing to retain access for pedestrians and interaction with vehicles on a DSG road. Careful planning and consultation with TasWater's stakeholder managers turned this challenge in to a successful project outcome.

At points there was poor alignment between the design and infield conditions. The project team needed to identify these issues and determine reasonable solutions to maintain project progress and efficiency. Lateral thinking and cooperative relations with the client and their designer was required to achieve this.

OUTCOMES

Despite the simplicity of the project scope, in field conditions meant that the project team needed to proactively resolve ever present issues with innovative thinking and works. Cooperation and collaboration with clients and stakeholders was a key element in how this was achieved.

