

# Lovely Banks Lining and Covering

Construction - Water Infrastructure

## Project

Lovely Banks Lining and Covering

## Client/EPCM

Barwon Region Water Corporation, John Holland Pty Ltd and GHD Pty Ltd Alliance

## Value

\$7.1 million

## Description

The Lovely Banks reservoirs provide water supply to the northern part of the City of Geelong.

The three basins at the site are being modified to facilitate the installation of synthetic lining and floating cover systems. The project involves a combination of earthworks and civil works to replace each of the basins' inlet and outlet structure and associated piping; an access ramp onto and road around each basin; removal of existing rock armour and the supply and installation of a drainage network.

Work could only be undertaken on one basin at a time as it was imperative for the site to remain operational throughout.

- Site establishment and basin preparation
- Civil and earthworks including roadways and rehabilitation of the basin walls and floors to accept geosynthetic lining and covers
- Supply, form and pour all concrete inlet, outlet, scour and sump pits
- DN200 rising main, DN225 scour and overflow pipes, DN225 stormwater piping
- Prepare, lay and weld DN600 and DN450 MSCL pipes and fitting for inlets, outlets and overflows
- Outfall drainage and storm water reuse
- Supply and install all perimeter embankment drainage and pits
- Supply and install basin embankment water supply
- Electrical supply and installation
- Supply and install under drainage systems
- Design, fabrication and installation of flexible liner and floating cover system
- Testing, decontamination and commissioning of the completed installation

## Location

Lovely Banks is a northern suburb of Geelong, Victoria



*"...getting it right and on time"*