

## Bendigo Market Place



### Location

Bendigo, Australia

### Project Value

AUD\$50.0 Million

### Responsibilities

Structural, Civil and Traffic Engineering

### Project Scope

The Bendigo Market Place development was a large addition to an existing shopping centre. The development added a new mall, food court, 2 mini major tenancies, approximately 50 specialty tenancies and 2 feature entries to the existing retail area. To cater for the additional car parking requirements, the existing on-grade parking was replaced with new ground and basement levels, excavated into the existing site slope.

The existing shopping centre, also designed by Cardno Grogan Richards, was constructed on an engineered fill platform. The proximity of existing structures and adjacent properties, required extensive protection and retention works on three sides.

The development was designed and constructed to meet a 5 green star rating and includes rainwater retention tanks for irrigation purposes as well as a stormwater detention system to control site discharge levels and prevent flooding of the local drainage network. The tanks were all located below the car park pavements, with the new tanks consisting of a plastic modular system, wrapped in a geotextile membrane.

Extensive traffic and civil design was involved in the car park; including upgrading street entries into the site, vehicle transitions between the basement and on grade levels and maintaining an existing overland flow path in the event of a 1 in 100 year storm event. The expansion of the Bendigo Marketplace is viewed by the Bendigo City Council as a key project to kick start further development in the Bendigo CBD and assist in maintaining the area as a business and retail hub.

### Client

Colonial First State Property Management Victoria