



# CASE STUDY

**Project:** *Wellcamp Airport Stormwater Drainage & Bored Piles.*

**Date:** *June 2014 – May 2015*

**Client:** *Wagners Investments*

**Location:** *Brisbane West Wellcamp Airport (Wellcamp, Toowoomba)*

## PROJECT HIGHLIGHTS

- JWG installed more than 6km's of various size RCP's and RCBC's.
- Flowable backfill used for all RCP's and RCBC's.
- Comprehensive Specifications for works under International Runway.
- JWG delivered the project without any LTI's.

The Brisbane West Wellcamp Airport is a landmark development for Queensland, being the first greenfield public airport built in Australia in 47 years and the nation's first privately funded public airport.

JWG's scope of work included provision of plant, labour and supervision for the construction of storm water drainage infrastructure for the new Wellcamp Airport and associated business park. Works included over 6,000m of re-reinforced precast pipes (up to 2.8m), box culverts (up to 2.4m x 1.2m), man holes, drop structures, precast end structures. JWG also completed all associated stormwater cast insitu base slabs, large drainage pits up to 5.5m x 3m and cast insitu end structures.

The project was completed to DTMR Standards with some amendments to specifications for works conducted under the aircraft pavement. Works also included class 5 & 6 Saltwater pipes, Class G heavy duty culverts and flowable backfill to all RCP's and RCBC's.

JWG also completed 280 bored piles for airport terminal, the bored piles were up to 1200mm in diameter and ranged in depth from 5 metres to 7.5 metres with some holes being drilled into very hard basalt rock. Piles were then constructed using Earth Friendly Concrete to support the 8500m<sup>2</sup> airport terminal.

All works were accurately planned to ensure that very tight construction deadlines were met, safety remained a priority to all staff and first-class infrastructure was delivered for the client.



PROVIDING SUSTAINABLE CONSTRUCTION SOLUTIONS SINCE 1985

