

## Cannon Hill Tip Remediation Works

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### Location

Brisbane, Queensland

### Client

Brisbane City Council

### Project dates

May 2015 - July 2016

### Project value

\$5 million

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### Overview

BMD is developing a 125-hectare site at Cannon Hill, Brisbane encompassing a 12-hectare former tip site. After the landfill was closed, the site was capped with a poor quality and poorly engineered capping layer. Empower Engineers & Project Managers (Empower) was engaged as part of a design and construct project for the remediation of the site which will eventually be used as part of an 18-hole golf course.

### Project scope

Empower provided detailed civil design earthworks profiles and levels, a leachate drainage system design, tender and contract documentation preparation, tender review, contract superintendence, design input during construction, as-built drawings, community consultations and ongoing site management including inspection, leachate monitoring and reporting. Empower also engaged relevant environment experts to develop the cap detailing, modelling, specifications and associated Site Management Plan and Remediation Action Plan. The civil works were undertaken by BMD Urban and overseen/inspected by Empower.

### Outcomes

- Empower carried out the detail design of earthworks profiles and finished design levels to cater for the final golf course design and ensure no worsening of flooding to surrounding properties.
- Empower worked closely with the contaminated land auditor and suitably qualified person to ensure the efficient delivery of this project.
- The site was highly constrained due to existing flooding problems and community concerns. Empower provided a vast amount of options to respond to developer and community concerns facilitating a satisfactory approval.
- A wider future environmental corridor was established for fauna movement including squirrel gliders, as part of the golf course construction along the eastern boundary of the site.