

The Company
TEG Consulting Engineers
provides engineering
services to:

- Private Sector
- Mining
- Commercial /Industrial Sectors
- State and Local Government Entities

Our Clients

Include:

- Individuals & Private Developers
- Major Construction Companies
- Major Corporations
- Government & Private Sector Asset owners
- Mining Corporations
- Quarries

Services Offered

TEG Consulting Engineers:

- Civil & Structural Engineering.
- Electrical & Mechanical Engineering
- Architectural Design
- Project Management (From Initiation to Turn Key)
- Asset Management Planning
- NDRRA – management and planning, including audit preparation.
- Inspections / Audits
- Design Reports
- Damage/ Condition Reports
- Insurance Assessment Reports
- Stakeholder Liasion's

Contact Details

Contact: Sean Edwards
Ph: (07) 4061 8276
M: (04) 0321 3714
E:
sean.edwards@edwardsgroup.com.au

Mail:
PO Box 49
Innisfail Qld 4860

Offices:
Innisfail – North Qld
Townsville – North Qld
Toowoomba – South West Qld

TEG CONSULTING ENGINEERS PROJECT SUMMARY SHEET



Border Rivers Christian College Goondiwindi

Project Scope

TEG Consulting Engineers was engaged in a JV Partnership with Cameron Project Services to undertake structural and civil engineering for the Border Rivers Christian College Goondiwindi.

This Educational Institution will provide additional community services to Goondiwindi and the surrounding rural area. The development of the land as an Educational Institution for BRCC is considered appropriate development of the land and a logical step, which does not prejudice or impact adversely on surrounding residential uses. The design of the buildings, including the cladding, provides for integration with the surrounding residential uses, including character integration. The development is on the fringe of the residential area, adjacent to urban precinct uses. The proposed buildings are of residential scale and intensity at two storeys.

The proposed development will maintain the environment, including soil, air and water ensuring healthy natural systems and public health and safety. Additionally, the land is ideal for development as it does not contain areas of environmental significance nor is it affected by any natural hazard such as flooding.

The proposed development is demand generated from community support. This development is an orderly and logical sequence for social infrastructure given the requirement for the school to expand beyond the existing site. The use is also considered necessary to service the town and the surrounding area rural area. The scale is considered compatible as any residential development would likely have a greater GFA over the site.

Our Involvement

TEG Consulting Engineers was involved from the beginning to ensure complete co-ordination between architect and engineer.

Our involvement included, not only civil and structural engineering, but also providing the construction management advise and expertise in the development, planning, design, and management of the project.

Project Challenges

Ensuring that the design complied with authority and client requirements, entailing, but not limited to:

- Dealing with flooding issues
- Footing design across building foot prints but ensuring smooth transition for student pathways.
- Coordination to ensure vehicle movements was not impeded.

Coordination of other consultants in scope extension requested by client. Ensuring that architectural and engineering documentation was co-ordinated.

Project Outcomes

Stage 1 design completed on time and within budget..

Key Personal

Client: Border Rivers Christian College

Project Architects: Cameron Project Services.

Consulting Engineer: TEG Consulting Engineers.

Client Representative: Geoff Clark (Principal)

111 Callandoon Street
GOONDWINDI QLD 4390

P: 07 46714 123

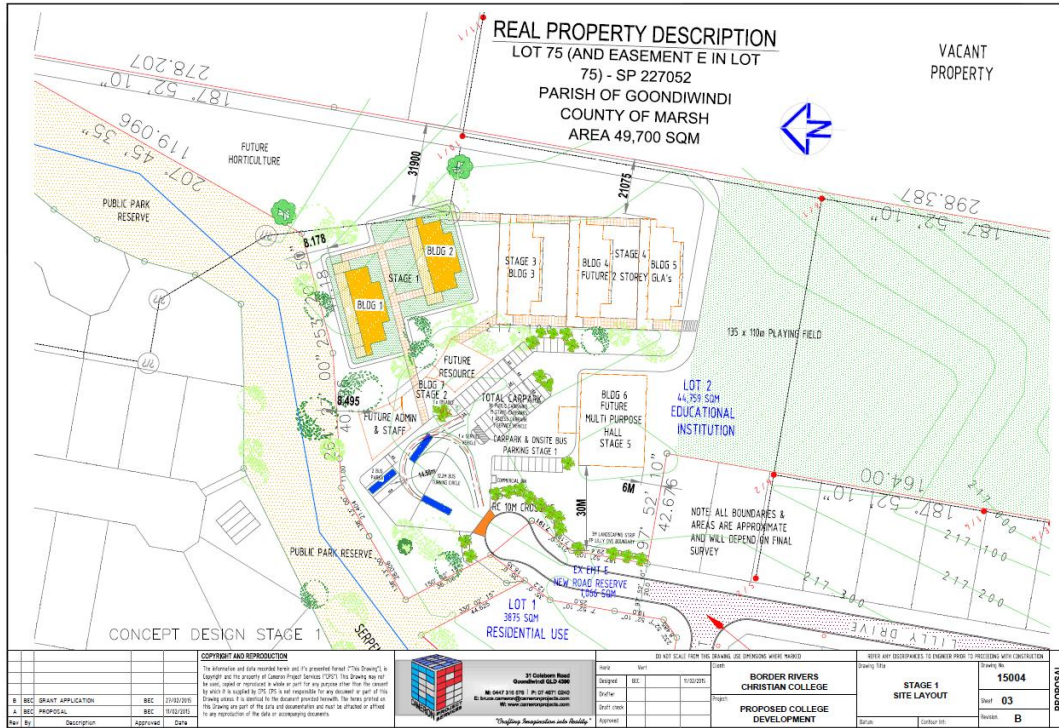
Email: geoffclark@brcc.qld.edu.au



TEG CONSULTING ENGINEERS PROJECT SUMMARY SHEET



The college development has been broken up into 5 stages over 8 years. The first stage funding has been approved and final design will commence in March 2016. Development Approval was received late 2015. Construction is due for completion end of 2016, ready for the 2017 school year.



Concept Design Stage 1

The college has engaged Mr Bruce Cameon to provide Planning, Budgeting, Design and Development and final detail design will be a joint venture between Mr Bruce Cameron and Mr Sean Edwards. Mr Edwards will provide the necessary civil & structural design elements including the Lilly Drive culdesac extension to the new college entrance.



TEG CONSULTING ENGINEERS PROJECT SUMMARY SHEET



Stage 1 College Model by Mr Bruce Cameron

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College Development Schedule.

Stage #	Works	Description	Completed within:
Stage 1	Building 1	<ul style="list-style-type: none"> Staff room, reception, offices and kitchenette. To be removed following completion of Stage 2; Withdrawal spaces and outdoor learning areas; Two classrooms for stage one; three classrooms following completion Stage 2; and Amenities block. 	2 Years (2017)
	Building 2	<ul style="list-style-type: none"> Three classrooms Withdrawal spaces; Outdoor learning areas; and Amenities block. 	
	Carparking	<ul style="list-style-type: none"> Carparking for all stages will provided in stage 1; Two (2) bus parks are proposed; Thirty-two (32) car parking spaces including one (1) disabled carpark; Four service vehicle parks, one (1) at the primary entrance and three (3) at the secondary entrance. 	
Stage 2	Building 7	<ul style="list-style-type: none"> Administrative functions including offices, staff rooms, receptions and amenities; and Future resource area with amenities and IT resources. 	3 years (2018)
Stage 3	Building 3	<ul style="list-style-type: none"> Four classrooms; Withdrawal spaces and storerooms; Outdoor learning areas; and Amenities block. 	4 years (2019)
Stage 4	Building 4 & 5	Ground Floor Level Building 4:	6 years (2021)
		<ul style="list-style-type: none"> Four classrooms; Withdrawal, store and outdoor learning spaces; and Amenities; 	
		Ground Floor Level Building 5:	
		<ul style="list-style-type: none"> Undercover eating area; Servery area including store, food prep and cold-room; and Amenities and outdoor area. 	
		First Floor Level Building 4 and 5:	
		<ul style="list-style-type: none"> Four classrooms; Withdrawal areas and outdoor learning area; and Amenities. 	
Stage 5	Building 6	<ul style="list-style-type: none"> Multipurpose hall with stage; Kitchen and servery; and Amenities. 	8 years (2023)