

CARAVONICA SCHOOL FLOOD MITIGATION WORKS



fgf Developments was awarded the Caravonica Flood Mitigation Works at the Caravonica State School in order to provide a safer and more reliable education facility within a flood prone area.

The scope of works for this project involved:

- Earthworks:
 - Clearing and grubbing of southern pad and levee wall area.
 - Import and placement of select fill to construct levee embankment (nominal 1.6m high) and southern building pads
 - Final trim and re-spreading of topsoil
 - Installation and establishment of turf
- Removal and recycling of existing sheds
- Construction of new portal frame sheds
- Concrete Works:
 - Block Retaining walls including concrete footings
 - Concrete Stairs
 - Installation of box culverts and end structures
 - Stormwater field inlet pits and pipework
- Design and construct of Stormwater pump station with pumps and associated electrical services
- Installation of prefabricated pump station including pumps and testing and commissioning.
- Installation of galvanised panel fencing

Project opportunities and challenges included:

- Works were carried out within an operational school environment therefore HSEQ management particularly safety in accordance with DET requirements was of utmost importance.
- Relationship management with many stakeholders including Department of Education and Training and school operations personnel.
- Organisation of long lead items, i.e. stormwater pump station

fgf

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Location:

Caravonica, Cairns

Client:

Department of
Education and Training

Civil Engineering

Consultant:

Lambert &
Rehbein/ARUP

Duration:

July 2017 – December
2017