



environmental
engineering

STORMWATER MANAGEMENT

CASE STUDY

CAIRNS OFFICE

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TOWNSVILLE OFFICE

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INFRASTRUCTURE PROTECTION – CREEK STABILISATION

Electrical Substation
Jubilee Pocket, QLD

CLIENT: UNITED GROUP

DATE: 2008

PRODUCTS: Gabions, Rock Mattress, accessories

PROJECT OUTLINE:

The construction of a new electrical substation required Vegetation Management to clear existing trees and stabilisation of the creek bounding the substation.

Groundwork Services was awarded a design and construct contract to deliver a suitable remedy to the problem as the proposed option was deemed to be unsuitable.

In consideration of the sensitive environment surrounding the new substation, a stable method of construction was engaged.

Lining the creek with a mattress cover and providing a gabion wall along the property boundary met all environmental needs as well as electrical safety standards which governed the project.

Natural vegetation colonised the structures and water quality has not been compromised following construction.





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