



environmental  
engineering

## Gabions

# CASE STUDY

**CAIRNS OFFICE**

T: 07 4045 4388  
F: 07 4045 4399

**ADDRESS**

25 Supply Road, Bentley Park, QLD 4869 (PO Box 404, Bungalow, QLD 4870)

info@thegroundworkgroup.com.au  
www.thegroundworkgroup.com.au

**TOWNSVILLE OFFICE**

T: 07 4751 5800  
F: 07 4751 5811

## STORMWATER MANAGEMENT – CREEK REMEDIATION AND STABILISATION Jubilee Pocket

Installed by Groundwork Services

**CLIENT**

United Group

**DATE**

November 2008

**PRODUCTS**

Gabions  
Rock Mattress

**PROJECT OUTLINE**

The Airlie Beach region required an upgraded electrical distribution switch yard. A creek beside the yard prevented the required safety perimeters to be met.

Groundwork Services was requested to provide input as to how the creek could be remediated and also meet the environmental demands and structural needs of the site. A design and construct option was awarded to the company. Working with local geotechnical engineers and the client's environmental team provided an outcome that met the needs of the development owner.

The work comprised a toe protection system and headwall to retain the site perimeter. The permeable structure dissipated any build up of hydrostatic pressure impacting the site and has also encouraged vegetation to re-establish.

Flooding of the area has been mitigated and no resultant impact from sediment has been observed. The creek runs clear and clean.

