



environmental
engineering

EARTH RETENTION

CASE STUDY

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SOIL NAILS AND GABION WALL

Ponzo Road, Mossman, FNQ

CLIENT: Douglas Shire Council

DATE: 2008

PRODUCTS: Gabions, Geotextile
20mm GEWI Bar and accessories

PROJECT OUTLINE: Road side
was subsiding after rain and then
required downslope protection to
stop further movement and major
damage to infrastructure.

A design was determined and
required the need for two
gabion retaining structures
with the upper level wall to
4.0m soil nails installed to
assist with the overall
stability of the slope.

The site was also impeded by
the position of a power pole
in close proximity to the lower
wall.

The job was completed in stages to allow for the related tasks
to be done without hindrance and the final works were
signed off by a relieved client.

Natural vegetation communities re-established soon after with
local conditions providing rapid regrowth.

