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HYDRAULIC STRUCTURE

RICES GULLY, REDLYNCH FNQ

Installed by Groundwork Services

CLIENT: Greg Construction

DATE: 2003

PRODUCTS: Gabions, 300mm deep rock mattress

PROJECT OUTLINE: With the development of new urban infrastructure, the accumulated stormwater runoff expected as a result required to be redirected around the local school and over cane land.

A series of gabion drop structures to manage the high hydraulic flows were designed at level transitions to account for the change in grade.

Two 1.0m drops and one, 2.0m drop were Constructed with 14m broad crest inverts, The structures were tested soon after completion with heavy rainfall events.

Some movement of material in the rock mattresses occurred due to the intense volume of flow and hydraulic jump experienced over the structures.

