

CASE STUDY

Erosion Mats

Project: Erosion Control and Out Fall Structure
Date: Jan - March 2008
Client: Envirowaste
Location: Rosedale Landfill, North Shore, Auckland



Enkamat

The landfill is now capped and has a large catchment area with high potential rainfall run off and scouring. Stormwater and silt control management in such an environmentally sensitive area is paramount. Being located in a residential area with some natural wet lands near by the solutions needed to be cost effective and environmentally friendly.

A system of grassed spillways to a gabion outlet structure feeding into a silt pond was constructed using a combination of **Enkamat**, **Biomac** and **Gabions**.

Enkamat was laid onto the prepared sub grade spillways then covered in seeded topsoil. The **Enkamat** provides root reinforcement for the future grass growth and also provides a soil retention system in high rainfall situations to prevent loss of soil until grass has taken.



Gabion outlet structure at sediment pond



Enkamat placement in spillway subgrade



Finished placement of Enkamat



Enkamat & Biomac lined spillway with grass now striking

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