

ROSEDALE LANDFILL NORTH SHORE CITY, AUCKLAND

EROSION CONTROL AND OUT FALL STRUCTURE

Products: Biomac C300, Enkamat, Gabions PVC/Galmac

Problem

The landfill is now capped and has a large catchment area with high potential rainfall run off and scouring. Storm water 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.

Solution

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.



Enkamat placement in spillway subgrade Date: Jan 2008



Finished placement of Enkamat Date: Jan 2008



Gabion outlet structure at sediment pond Date: Mar 2008



Enkamat & Biomac lined spillway with grass now striking Date: Jan 2008

Client name:

ENVIROWASTE

Contractors:

ENVIROWASTE & G MUNDY CONSTRUCTION

Products used:

BIOMAC, ENKAMAT, GABIONS PVC/GALMAC

Construction date:

JAN - MARCH 2008

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Quality System AS/NZS ISO 9001:2000

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