

TE KOWHAI RIDGE SUBDIVISION KINLOCH, TAUPO

STORMWATER MANAGEMENT

Product: VersiTank Infiltration Systems

The Problem

New local council resource consent requirements concerning the management of Stormwater runoff required an innovative approach to deal with the volume and quantity at this greenfields subdivision. Shallow gravel bands created significant construction issues for conventional soakholes, effectively restricting the stormwater system to shallow tanks.

The Solution

VersiTank 840 is a modular unit (745 x 395 x 425mm) that can be quickly locked and stacked together to create a stable underground "block" for stormwater detention or infiltration (see first right hand side photo). The **VersiTank 840** units offer an internal void volume of up to 93%, creating large storage volumes which is ideal for smaller site applications. Long term stormwater management and maintenance is simple and cost efficient with **VersiTanks**. This entails the use of a simple flush / stand pipe per installation to remove any sediment build up that may get in.

A feature of **VersiTank** is that it is quick and easy to install and therefore installation could be carried out by a local contractor, removing the need for specialist installers. The **VersiTanks** were positioned under the roadside verge providing a soak away / infiltration system to remove the stormwater load on council infrastructure and at the same time offer unrestricted living and movement above ground within the beautiful modern development.

The challenge of managing the stormwater for this site was solved using **VersiTank** modular units through the innovative approach taken by the consulting engineer and the support from Maccaferri NZ. The design flexibility of **VersiTank** allows it to be used on a wide range of sites whether it is for a long and low installation or for a short and deep installation. For water reuse or soak away, **VersiTank** has been shown to be a product of choice.

Engineer:

CHEAL CONSULTANTS

Contractors name:

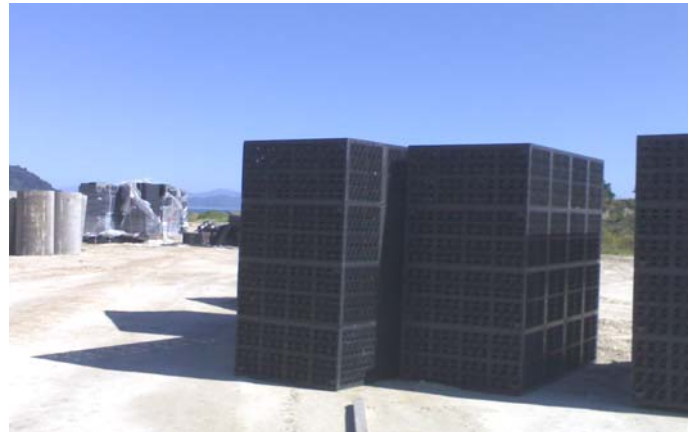
HEB CONTRACTORS TAUPO

Products:

VERSITANK 840, BIDIM GEOTEXTILES

Construction date:

OCTOBER 2007 - 2008



VersiTank units ready for placement



Excavation ready for VersiTanks



Completed installation with VersiTanks underground

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Quality System AS/NZS ISO 9001:2000

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