

CASE STUDY

Geocomposite Drains

Project: Harewood Golf Club
Date: September 2009 - December 2010
Client: Harewood Golf Club
Location: Christchurch



Megaflo®

Funds generated from the purchase of Harwood Golf Club owned land by the Christchurch Airport allowed the club to complete an upgrade and refurbishment that had been a dream for many for this 40 year old club.

Also known as Twin Courses, players have the opportunity to play the old Woodlands course or The Plains course. Eventually a 27 hole course will be available as the 18 new greens and tees take shape.

Keeping the greens open for play throughout the year is an important consideration for designers and part of this refurbishment included the installation of the **Megaflo®** Rigid Panel Drain system, a proven cost effective solution to traditional drainage systems in New Zealand.

The construction phase of this project commenced in September 2009 and was completed December 2010.

Megaflo® was installed following the USGA specification and guidelines. The pattern of drainage pipes was designed so that the main drain was placed along the line of maximum fall. Laterals, at no more than 5m apart and extended to the perimeter of the green, were installed at an angle across the slope of the subgrade thus allowing for a natural fall to the main drain. At the low end, where the main drain exits the green, a drainage pipe was placed along the perimeter of the green, extending to the ends of the first set of laterals. This is to improve the drainage of water that may accumulate at the low end of the drainage area.

The entire subgrade was then covered with a layer of clean washed sand to a minimum thickness of 450mm.

Megaflo® is easily installed and is less expensive than other drainage methods when trenching, backfilling and labour are factored into the costs. There is no need for additional machinery usage on the green and a limited amount of man hours is required thus providing the green with the shape as specified in the design.

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During construction



During construction



Sand cover

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