



GEOFABRICS CASE STUDY



MEGAFLO GREEN DELIVERS PGA CONDITIONS TO SANDHURST GOLF COURSE

PRODUCTS USED

Megaflo® Green Socked Slotted Drain Pipe

- A wide, flat-shaped panel drainage system made from recycled HDPE and wrapped with Bidim® Green non-woven geotextile for quick and effective sub-surface drainage
- Up to 4.9 times faster water drainage compared to conventional 100mm round agi pipe due to its ability to effectively remove excess water with its increased in-take slot distribution
- Saves up to 50% installation compared to conventional 100mm round agi pipe
- Higher compressive strength under traffic loads due to its structural rigidity

PROJECT DESCRIPTION

In 2005, the Sandhurst Golf Course in Cranbourne was constructed on challenging ground conditions that made establishing a high-quality playing surface difficult. The new 18-hole course was designed to host the 2006 PGA Championships, requiring professional-level standards for both playability and durability.

During winter, the silty clay soils became saturated, making the course unplayable. In summer, the soils dried out, causing shrinkage cracks and leaving the surface rock hard. Managing these extreme seasonal conditions was critical to delivering a course suitable for championship play.

OUR SOLUTION

To address these challenges, the course design incorporated Megaflo Green socked slotted drain pipe, installed in accordance with the United States Golf Association (USGA) Method of Green Construction. The USGA is the governing body for golf in the United States and is responsible for setting the rules of golf, overseeing championships, and establishing internationally recognised standards for golf course construction and maintenance.

Adopting the USGA Method ensures the course's putting surfaces meet strict technical performance criteria, supporting reliable water management, healthy turf growth, and professional-quality playing conditions.

Megaflo Green delivers efficient sub-surface drainage across the course, preventing waterlogging in winter and reducing surface hardness in summer. The result is a consistent, playable course throughout the year, capable of supporting championship-level events as well as everyday play.



**Efficient
drainage for
all seasons**

**USGA
approved**



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