



# Clifton Park Synthetic Soccer Pitch Brunswick Vic. Case study



## Project Overview:

Victorian based sports field builder Turf One was awarded the contract by the Moreland City Council to design and construct an artificial turf football (soccer) pitch to FIFA 1 Star standards.

The fourth generation 100% recyclable Field Turf artificial turf has a technologically advanced fibre structure ideal for ball performance and is designed to deliver a long lasting, high performance surface.

A specially designed vertically draining base consisting of approximately 2,500 tonnes of graded aggregates ensures any rainfall will rapidly and efficiently flow through the base for future water harvesting and re-use on adjacent natural turf fields saving the Council more than 3.6 million litres annually; and eliminating downtime as a wet and muddy field will now be a thing of the past.

The completed project was tested to the global FIFA criteria and its performance standards resulted in a 2 Star rating thus exceeding the 1 Star contract specification.

## Points of Interest:

Location: Clifton Park. Albert St, Brunswick. Victoria.

Sport: Football (soccer).

Users: Football Club, and the local community as public open space.

Size: Total surfaced area: 8,740m<sup>2</sup>

Football pitch:

105m x 68m = 7,140m<sup>2</sup>; with three metre minimum run-off from both goal and touch lines.  
The pitch conforms to FIFA Standards.

Surface: FieldTurf Prestige XM60 - a fourth generation polyethylene spined monofilament synthetic turf.

Infill: 254 tonnes of specially sized kiln dried sand and recycled rubber from more than 14,000 car tyres have been installed in a patented process to provide a safe, low maintenance, high performance playing surface.

Shock pad: Not required.

Base: Over 2,500 tonnes (90 truck and trailer loads) of selected aggregates.

Drainage: Deep layer aggregates were used to provide a more efficient evacuation of rainwater from the surface than afforded by a network of agricultural pipes commonly employed for such fields. The increasing depth of railway ballast sized rock under the lower sides of the field not only flattens the playing surface, but provides more void space allowing for both retention and efficient transmission of water to the collector drains.

Sustainability/water harvesting:

All components of the FieldTurf surfacing system are recyclable using specialised equipment developed by FieldTurf specifically for this purpose.

Turf One, in conjunction with consulting Engineers designed and constructed the drainage system to harvest all stormwater from the pitch. All surface water is conveyed to the existing drainage infrastructure which allows for future water harvesting.

Fencing: Black powder coated pedestrian fencing 1.2m high with black PVC coated chain wire mesh fence. Removable fencing on the south-eastern side to allow an uninterrupted expanse of turf for patrons when concerts are conducted in the adjoining amphitheatre.

Lighting: Existing.

Pathways: Reinforced concrete footpath around the perimeter of the field provide both access for the players and also a viewing platform for the spectators of the game.

Project Commencement Date: November 2010

Project Completion Date: April 2011

Pitch Maintenance: To be advised.

Final Project Cost: \$872,000

## Other Specifics:

- Pitch certified to FIFA 2 STAR standard (exceeded the contract specification).
- Capacity to be used during all weather conditions including its use for intensive training sessions during the week, whilst providing a high performance facility for weekend competition.
- Permanent goals complete with nets.
- Tufted line markings.
- In-ground sleeves fitted for corner flags.
- Custom built players shelters to seat 8 players each.

## Project Contractor:

Turf One Pty Ltd. 61 High St, Wallan. Victoria. 3756. Tel (03) 5734 1900 info@turfone.com.au

## Venue Manager and Owner:

Moreland City Council. 90 Bell St, Coburg. Victoria. 3058. Tel (03) 9240 1111  
Joe Luppino. Recreational Services Coordinator