



Ballarat Baseball. Prince of Wales Park Ballarat Vic.

Case study



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THE ULTIMATE SURFACE EXPERIENCE

Project Overview:

Turf One was awarded the contract by the City of Ballarat to design and construct a baseball diamond with synthetic turf infield and irrigated warm season grass outfield to replace the existing natural turf diamond.

Ground conditions at the site presented construction difficulties that were resolved by stabilizing the sub-grade of the in-field with lime. The synthetic turf was installed over a porous base constructed from graded aggregates to ensure that rainfall is rapidly and efficiently drained away from the surface. The drainage system has been designed to facilitate water harvesting in the future. The vertically draining surface eliminates game downtime and a wet, muddy, unplayable infield will now be a thing of the past.

The synthetic turf was manufactured by FieldTurf the global leader in synthetic sports surface production. Its advanced fibre structure is engineered to withstand the heavy demands of baseball and to deliver a durable, high performance surface.

Drought tolerant Santa Ana natural turf was planted in the outfield and an automatic irrigation system was installed.

Key Points of Interest:

Location: Prince of Wales Park, Wendouree, Ballarat. Victoria.

Sport: Baseball.

Users: Ballarat baseball clubs.

Size: Total surfaced area: 11,789m²

Artificial turf infield = 2,530m²; natural turf outfield = 9,259m²

The playing field conforms to the dimensions and set out specified in Official Australian Baseball Rules (6th Edition) as published by the Australian Baseball Federation.

Surface: Infield: FieldTurf Classic 50 UV-resistant polyethylene parallel fibrillated synthetic turf in two colours – green and rust, with red scoria pitcher's mound and batter's box.
Outfield: irrigated warm season, Santa Ana couch.

Infill: 79 tonnes of specially sized kiln dried sand and recycled rubber derived from 3,600 car tyres has been installed in a patented process to provide a safe, low maintenance, high performance playing surface for the FieldTurf infield.

Base: Over 800 tonnes (32truck and trailer loads) of porous blended aggregates for the infield.

Drainage: The infield provides both vertical drainage of the artificial turf and efficient evacuation of stormwater to the collector system consisting of aggregate field agricultural drains.

Sustainability/water harvesting:

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

All surface water is conveyed to the existing drainage infrastructure which allows for future water harvesting. It is estimated that approximately two million litres of stormwater could be collected over a twelve month period.

Project Commencement Date: January 2010

Project Completion Date: July 2010

Infield Maintenance: To be advised.

Final Project Cost: \$454,000

Other Specifics:

Shock pad: Not required.

Infield: Tufted line markings; Pitcher's mound and Batter's plate surfaced with red scoria.

Irrigation of the outfield: Automatic pop up sprinklers using existing water supply.

All weather: 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.

Project Contractor:

Turf One Pty Ltd. Suite 4, 61 High St, Wallan. Victoria. 3756. Tel (03) 5734 1900 info@turfone.com.au

Venue Manager and Owner:

City of Ballarat. PO Box 655, Ballarat, Victoria. Tel (03) 5320 5500 Mark Powell. Project Manager.