<table>
<thead>
<tr>
<th>COMPONENT</th>
<th>PROJECT DETAILS</th>
</tr>
</thead>
<tbody>
<tr>
<td>LOCATION</td>
<td>Blacktown International Sports Park (BISP), Eastern Road, Rooty Hill, NSW 2767</td>
</tr>
<tr>
<td>LAND OWNER</td>
<td>Blacktown City Council - (02) 9839 6591</td>
</tr>
<tr>
<td>COMPONENTS</td>
<td>Indoor Practice Centre - 1050 lux ENSA 200W LED high bay lights</td>
</tr>
<tr>
<td>KEY USES/USERS</td>
<td>All levels of cricket including domestic squads, premier cricket and community clubs</td>
</tr>
<tr>
<td>COST</td>
<td>Lighting cost only - $40,000 (excluding GST and power supply costs)</td>
</tr>
<tr>
<td>COMPLETED</td>
<td>June 2015</td>
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<tr>
<td>FUNDING PARTNERS</td>
<td>Cricket NSW</td>
</tr>
</tbody>
</table>

**PROJECT DESCRIPTION**

Cricket NSW engaged Trackie Industries to install a 1000 lux system to increase the visibility, flexibility and functionality of the Indoor Practice Centre (IPC) at the Blacktown International Sports Park precinct.

The IPC is used year-round and was developed as part of the newest sporting centre at BISP in 2009. The combined indoor and outdoor facilities are amongst the best training facilities for cricket in Western Sydney.

It provides five full length indoor synthetic pitches with 15m run-ups.

The netting configuration allows the nets to be drawn to one end of the centre, thus transforming the facility into a sheltered warm-up and fitness area.

The core users of the Indoor Practice Centre include Cricket NSW Blues, Breakers and under age academy squads, local Blacktown community groups and various other external hirers.

The lighting has an in-house C-Bus enabled control system that allows users to power on only the required areas, thereby enabling sufficient rotation of lights as well as limiting wastage.

**Key Project Outcomes**

- Upgraded lighting system capable of hosting elite and international squads.
- Demonstrated the ongoing partnership between BISP management and Cricket NSW, and both parties commitment to invest and provide great cricket training facilities.
- Isolated lighting control per pitch thereby reducing power consumption and sustainability of the system.
- Provides an opportunity to capture high speed camera footage and meets heightened player safety requirements.

**Key Learnings**

- Ensure power supply and cabling on site will be sufficient to operate 1000 lux system – this can be a significant additional cost if not planned adequately.
- Forming relationships with preferred suppliers to understand and install best practice technology.
- The importance of working closely with architects, lighting engineers and users to ensure a flexible and financially sustainable system.
Lighting fixtures

41 ENSA LED high bay lights enable high performance sport for elite athletes as well as reduced power consumption.

Floodlights in operation

Each net has a dedicated lane of lights for enhanced illumination and capacity to switch on and off as required.
**PROJECT DESCRIPTION**

Cricket NSW and Blacktown, Internationals Sports Park Management engaged Musco Lighting to install a 500 lux metal halide lighting system to increase the visibility, flexibility and functionality of the outdoor turf and synthetic training pitches.

The outdoor training area is used year-round and developed as part of the 2009 upgrade at BISP. The combined indoor and outdoor facilities are amongst the best cricket facilities in Western Sydney, and include the following:

- 5 indoor synthetic practice pitches;
- 18 outdoor turf pitches; and
- 5 outdoor synthetic pitches with full length run-ups.

Floodlighting was installed to the outdoor practice pitches in 2014 and allows training to extend well into the night, it is used for an estimated 30 hours per week during the cricket season.

The core users of both the indoor and outdoor training areas are Cricket NSW Blues, Breakers, Sydney Thunder and under age academy squads, local Blacktown and surrounding community cricket clubs.

Lighting has an in-house control system controlled by BISP site management and has a monitoring system to measure usage and associated costs.

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**Key Project Outcomes**

- Lighting of an outdoor training area that was not previously lit, thus maximising use, for community sports, warm-ups and fitness drills.
- Permits use during overcast conditions and low light levels. Importantly the new installation greatly enhances visibility to enable domestic and international squads to use it for training.
- Demonstrated the ongoing partnership between BISP management and Cricket NSW, and both parties’ commitment to invest and provide great cricket training facilities.

**Key Learnings**

- Ensure sufficient power supply to the site, capable of supporting a 500 lux system – this can be a significant additional cost if not planned adequately.
- Testing lighting levels and benchmarking other venues to ensure preferred and Australian Standards are achieved and maintained.
- The importance of working closely with architects, lighting engineers and users to ensure a user-friendly configuration.
Lighting poles and fixtures

4 pole metal halide system with 5 lamps per pole creates a 500 lux output, suitable for premier cricket and high performance training.

Floodlights in operation
The Braybrook Community Hub is an innovative and integrated facility that accommodates Braybrook’s first ever library, maternal and child health services, men’s shed, community centre, co-health services, early years centre, maternal and child health centre, new sports pavilion, community gardens and café. The Hub takes a ‘whole of family’ approach that supports and promotes access to services and information for the entire community.

From a sporting perspective the new facility provides off-field clubrooms and amenities for two existing local soccer clubs and will also be home to Maribyrnong City Council’s first women’s cricket team. The venue will also become a primary development centre for all levels of women’s cricket within Melbourne’s western region.

Use by alternate sporting codes will also be available through the facilities’ multi-purpose design features, enabling flexible usage by a variety of sporting and community groups. The space also allows facilities to be used outside traditional sporting club match and training hours and during the daytime and business hours.

The design and operation of the venue considered the principles of Universal Design to create spaces that were integrated and flexible for use by all people, including its amenities. In addition the removal of steps between the building and playing area maximised usage of this space for social gathering and spectating within close proximity to kiosk services.

**Key Project Outcomes**

- The creation of a centralised hub for community education, information, activities and services for the diverse Braybrook community.
- The Hub currently attracts in excess of 10,000 visitors weekly across all of its services.
- The co-location of community and family services provides significant visitation from local residents from which to promote sporting activities to.
- Maribyrnong City Council is the authority responsible for the Braybrook Community Hub. Council has a leadership role in the planning, development and operations of the Hub.
- Joint funding from a range of State Government areas such as: Sport and Recreation Victoria, Living Libraries and Community Support Grants was a great project outcome.

**Key Learnings**

- A governance Framework was developed to assist with Agreements with co-located partners operating on site.
- Ensuring all operational elements are in place prior to moving into the facility (e.g. Waste management).
- Input and involvement in the design process at the early stages by all funding partners.
**Multi-purpose room**

View of the multi-purpose room out towards the playing field. High glass panels and doors promote viewing from within the sports pavilion and create a sense of light and space. Moveable tables allow for greater flexibility in use of space and are easy to set-up and pack down. Operable wall between changeroom and social room to create a larger space if required.

**Sports pavilion design**

Sports pavilion is configured towards the playing field with direct external access to change rooms, first-aid room storerooms, kiosk and multi-purpose sports hall. The building design maximises the playing field frontage while integrating with other internal building areas.
Case Study: Indoor Cricket Training Facility

Located within the Bankstown Memorial Oval precinct, the John Mackay Sports Centre is a purpose-built indoor sporting facility - suitable for cricket, soccer, fitness and other indoor sports activities.

The four pitch synthetic 9mm pile indoor training centre provides full length run-ups with fully flexible netting to allow for multiple configurations to suit training needs and user group requirements. It can also be converted to a large, open space for functions to accommodate up to 350 people seated at tables.

The Centre is primarily used by the Bankstown District Cricket Club but also available for other local clubs and user groups to train indoors year-round. The Centre is also used by Cricket NSW Development Squads.

Support facilities include change rooms, commercial kitchen, storage areas, fitness studio and large roller door out to the main oval to provide for combined indoor, outdoor and cross-training activities and easily accommodates large squads and school groups.

“Multi-purpose” was a key theme in the designing of the Centre. For example flexible configuration can be accommodated, and the toilet area can be sealed from the main centre and converted to public use to support key match days and events on the oval.

The Centre is managed by Bankstown District Cricket Club under license from Bankstown City Council. The club is responsible for cleaning, basic repair and renewal and electricity, most of which is funded through hire fees from other users.

Key Project Outcomes

- Indoor training centre that accommodates local to domestic level cricket competition and training squads.
- Indoor training venue accessible year round that complements outdoor training amenities and match day venue.
- Flexible nature of the indoor space maximises its use for a range of cricket and non-cricket activities (including large community functions).

Key Learnings

- There are no seasons in relation to the use of an indoor centre. Experience shows it is strongly used by cricket in the winter for junior academies and other sports have similar off season requirements.
- The overall venue design works well, except additional storage space for cricket kit bags when in full use would be ideal. This could possibly be achieved by reconfiguring the change room areas which receive irregular use.
Flexible netting
Full length cricket pitch with soft flexible netting curtains that can be configured in multiple ways to accommodate different group sizes and a range of different activities.

Roller door
Roller door opens up to the main playing field and spectator concourse and promotes multi-use options and creates better airflow and ventilation during summer months.

Coaches office
Glass fronted coaches office with direct viewing into the cricket pitch area with room for coach-player feedback and desks for digital review and playback.
**COMPONENT | PROJECT DETAILS**

**LOCATION** | Bill Lawry Oval - Northcote Cricket Club, Northcote, Victoria 3070

**LAND OWNER** | Darebin City Council – (03) 8470 8888

**COMPONENTS** | Fully enclosed synthetic cricket practice facility incorporating four practice PITCHES with retractable netting and provision for netball court line marking and goals

**KEY USES/USERS** | Premier cricket, Australian Rules Football, Netball, informal sport and recreation programming

**COST** | $155,000 (excluding GST)

**COMPLETED** | 2011

**FUNDING PARTNERS** | Darebin City Council, Sport and Recreation Victoria and Northcote Cricket Club

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**PROJECT DESCRIPTION**

The synthetic four pitch cricket net enclosure at Bill Lawry Oval in Northcote (Victoria), provides the Northcote Cricket Club, its members and the wider Darebin community with a quality cricket training and multi-purpose sport and recreation facility.

The training facility complements the neighbouring turf training pitches and reduces safety issues associated with the previous sub-standard nets. The enclosed nature of the facility, positioned off the playing area, also provides the precinct with a facility capable of accommodating grassroots cricket activities right through to elite pathway development and coaching programs.

Due to its multi-purpose capability, the Northcote Cricket Club has strengthened its relationship with co-tenants and external sport, recreation and community groups, a desirable outcome for any sporting community and multi-purpose precinct.

Taking pressure off main oval usage, the Northcote Cricket Club has also experienced improved playing conditions and a reduction in site water usage.

The attractive new facility has also increased the appeal of the site with a spike in increased interest by local primary and secondary schools. Use is also maximised through a pin-coded access system, allowing managed access without the need for club volunteers to be available to open, close and secure the venue before and after every use.

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**Key Project Outcomes**

- Increased sport and recreation participation levels through the provision of a quality facility and surface for multiple sports in the Darebin community, including cricket, football and netball.
- Established Centre of Excellence at a premier cricket venue for young players in the Darebin community aspiring to the elite levels of cricket.
- Reduced risk of injury in comparison to issues faced by the previous sub-standard facility.
- Maximised capacity of the site to accommodate multiple training and match participation concurrently.
- Pin coded access maximises usage and security and reduces volunteer management requirements.

**Key Learnings**

- Planning for the provision of lighting infrastructure would add significant value for year-round usage and increase benefits for winter users.
- For those sites that would accommodate it, consideration of developing synthetic pitches adjacent turf pitch practice areas would improve coaching and training management practices by being in close proximity.
- Combined storage and bowling machine net structures have been the greatest feature to maintain safety, provide security and avoid the need for set up and pack down.
Retractable netting

Retractable netting allows for more flexible use of the multi-purpose enclosure and increased sport and recreation programming opportunities. Roof netting eliminates the risk of damage to neighbouring properties or injury to other reserve users, particularly in high density inner urban areas.

Storage

Adjoining storage enables quick and easy set up and pack down of equipment and lessens the load on players and club volunteers. Retractable netting storage cabinets provide a secure storage option for netting when not in use, promote easy set up and pack down and take up minimal open or programmable space. Shed roller doors open up and gated access doubles as protection for bowling machine operators that can use bowling machines from inside the shed, reducing Workplace Health and Safety issues with moving machines, as well as providing easy access to power.
### COMPONENTS
 COMPONET | PROJECT DETAILS
--- | ---
LOCATION | Jamestown Oval, Jamestown SA 5941 – Victoria Park Community Sporting Hub
LAND OWNER | Northern Areas Council - (08) 8664 1085
COMPONENTS | Synthetic cricket pitch cover and applicator
KEY USES/USERS | Multiple cricket clubs and Australian Rules Football clubs
COST | $20,000 plus (excluding GST)
COMPLETED | 2013/2014
FUNDING PARTNERS | Northern Areas Council, South Australia Government Office for Recreation and Sport, Belalie Mannanarie Cricket Club, Jamestown Junior Cricket Club, Jamestown Peterborough Football & Netball Club and Spalding Cricket Club

### PROJECT DESCRIPTION
Northern Areas Council (located 200km North of Adelaide in South Australia) purchased a Gecko artificial turf cricket pitch cover and applicator to assist with the covering and uncovering of the Jamestown Oval’s synthetic cricket pitch during the seasonal changeover. Jamestown Oval is home to both Cricket and Football and used all year round by local sporting clubs.

The local Cricket and Football clubs identified the need for a more efficient way of managing the seasonal changeover (synthetic pitch covering and uncovering) and providing a suitable playing surface for both sporting codes. An artificial turf pitch cover and applicator supplied by Gecko Surfacing Solutions has provided Council and the local clubs with a quick, easily managed and safe cricket pitch covering option that provides the Football club with a post cricket season playing surface suitable for football training and match day competition.

This new approach to pitch covering has not only reduced the burden on club volunteers (who previously manually covered and uncovered the pitch) and reduced safety concerns associated with this process, but also reduced the time gap between seasonal ground preparation and increased the longevity of the cricket pitch previously impacted by plastic sheeting, dirt and sods of turf during the winter season.

This approach has also been adopted at a second ground in the region, demonstrating its success and also increasing the viability of Council’s investment.

### Key Project Outcomes
- Safer and more time efficient covering and uncovering of synthetic pitch process.
- Reduced down time between seasonal change over periods.
- Extended lifespan of the synthetic cricket pitch surface.
- Improved partnership between winter and summer tenant clubs.

### Key Learnings
- Council or Cricket Association takes ‘ownership’ of registering and insuring equipment, with costs shared by users.
- Summer and winter sports need to work together to identify the cost savings and benefits and then plan together to raise funds.
- Safe and dry storage of the synthetic pitch cover roll and the applicator need to be considered prior to purchase.
We had a foam/carpet cover in the past which had dirt placed around the edge of it. This took six men, plus a forklift and a front end loader about four hours to cover and uncover. Prior to that it was just dirt which caused all sorts of issues for ground levelling, trip hazards, water run-off and took somewhere around six hours the first time and we would be consistently going back across the season to tidy it up. I would be thinking that much of the pitch covering/un-covering methods across the state would not meet many Local Government guidelines hence, the reason we have the Gecko Grass hydraulic machine.

James Lang Manager
Community Development Northern Areas Council
COMPONENT | PROJECT DETAILS
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LOCATION | Onkaparinga City Council – multiple ground locations
LAND OWNER | Onkaparinga City Council – (0v 8) 8384 0666
COMPONENTS | Synthetic cricket pitch cover and applicator
KEY USES/USERS | Metropolitan community cricket clubs and Australian Rules Football clubs
COST | $90,000 plus (excluding GST)
COMPLETED | 2015
FUNDING PARTNERS | Onkaparinga City Council, South Australia Government Office for Recreation and Sport, Kangarilla, McLaren Flat, Cherry Gardens, Flagstaff Hill, Happy Valley, Morphett Vale, Hackham, Port Noarlunga, Aldinga and Willunga Cricket and Football Clubs

PROJECT DESCRIPTION

With multiple grounds in the City of Onkaparinga experiencing high demand and an increasing need for a quicker transition between summer and winter sports, several Cricket and Australian Rules Football clubs in the Onkaparinga area (with support from Council) combined funds and invested in a Gecko artificial turf cover applicator machine and synthetic pitch covers to assist with the prompt and safe covering and uncovering of synthetic cricket pitches at season changeover.

This initiative has not only reduced the volunteer manpower required by local clubs and enabled sports grounds to change purpose in a matter of hours, but has also provided Council and associated clubs with a cost effective process that meets safety regulations and achieves suitable playing conditions for both Cricket and Football.

Despite being a relatively new process, it is envisaged the lifespan of individual cricket pitch surfaces will also be significantly extended via this method as opposed to covering pitches with plastic sheeting, dirt and sods of turf during the winter months. All of which impact the wear and tear on synthetic cricket pitches and contribute to their premature need for renewal and/or replacement.

**Key Project Outcomes**

- Reduced volunteer requirements and lower Council staff costs to cover and uncover pitches safely.
- Reduced down time between winter and summer sporting season change over.
- Safer method of covering pitches that meets Local Government guidelines.
- Extended life of the synthetic cricket pitch surfaces.

**Key Learnings**

- A holistic approach by stakeholders that recognises the cost savings and increased efficiency of the process is essential to project success.
- Provision for storage of covers when not in use during summer is a key planning consideration.
- Clear communication between winter and summer tenants and developing a schedule of works (covering/uncovering of pitches) at the beginning and end of seasons minimises club conflict during seasonal changeover.
Start of the Football season

At the conclusion of the cricket season, the rolled up cover is removed from storage, lifted onto the machine and then moved to the cricket pitch location, where a tractor is used to roll out the synthetic grass pitch cover. Pitch covers and rolls are clearly labelled with the ground name and the end in which they should be installed – eg. Morphett Vale Oval Southern End.

Winter Football surface

The cricket pitch area is covered with the synthetic pitch cover. Areas of dead or worn grass are minimised and there is a trip free surface with minimal dirt on the playing surface. One person is required to position the pitch cover and a small amount of dirt allows the edges to come together. The machine rolls up the synthetic cover at the end of the football season and it is then stored in a safe and dry location throughout summer.
Component Details

**Location**
Princes Park (Southern Sports Area), Carlton Victoria 3053

**Land Owner**
City of Melbourne – (03) 9658 9658

**Components**
Complete reconstruction of 70,000 m² of natural turf (drainage, irrigation, sand profile, turf) and installation of 2 turf tables for Premier Cricket and 2 synthetic cricket wickets (summer season configuration – all 4 not to be used at same time) and 6 x rectangular pitches (winter season configuration). Lighting provided to entire area at 50 lux; or a combination of 100 lux and 50 lux for parts of the area.

**Key Uses/Users**
Premier Cricket (3rd and 4th XI’s), Community Club cricket, Senior and Junior Soccer, schools, “touch” competitions and public open space when not in sporting club use

**Cost**
$6.74 million

**Completed**
Project commenced in March 2014 and completed in July 2015

**Funding Partners**
Victorian Government

Project Description

This project was identified in the 2012 Princes Park Master Plan approved by Council. This project was funded by the Victorian Government in late 2013. The project was identified as one of the mechanisms to combat increasing demand for community sport and recreation, recognising the difficulty of providing these spaces in an inner city environment. It provides maximum flexibility for use, and upgrades a large area of the park that was previously used for parking when AFL matches were held at the Carlton Recreation Ground.

Maintaining the open character of this parkland was an important consideration when developing the Master Plan. Sports lighting for the whole area was also included in order to maximise use of the space, particularly in winter months when community sporting clubs generally require lighting to undertake training. The upgrade provides further opportunities for community cricket on two new synthetic wickets (when Premier cricket is not being played) with opportunities for use during the week, Saturday mornings and Sundays.

The turf used in the area is Village Green Kikuyu, a drought tolerant species that remains green all year round. The new turf tables (Santa Ana couch) are 18m x 25m. The new synthetic wickets are both 2.7m x 25m, covered by a “winter” synthetic pitch cover during the winter months.

Key Project Outcomes

- 70,000 m² of newly constructed sport and recreation space in an existing park setting.
- Maximise flexibility of the space for both summer and winter seasons.
- New sports lighting added to the entire area.
- Two new synthetic cricket pitches installed.
- Further opportunities to support community sport all year round.

Key Learnings

- The support and strategic direction of “Master Plan” documents is invaluable.
- Keep all stakeholders (internal and external) well informed throughout the entire journey.
- Pay particular attention to contingency plans and relocation plans.
- Plan for the reconstructed area to be unavailable for the maximum time not the minimum time.
SUMMER CONFIGURATION

- 2 turf cricket grounds with 65m radius boundary – Premier Cricket
- 2 synthetic cricket grounds – community cricket (not to be used at same time as Premier Cricket)

WINTER CONFIGURATION

- 6 full size soccer pitches, line marked with cricket pitches located off soccer playing fields
- Turf tables protected with growth mats
- Synthetic wickets covered with a “winter” cricket pitch cover
### COMPONENTS

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<th>COMPONENT</th>
<th>PROJECT DETAILS</th>
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<tbody>
<tr>
<td>LOCATION</td>
<td>Donvale Reserve Oval #2, Noonan Way, Donvale, Victoria 3111</td>
</tr>
<tr>
<td>LAND OWNER</td>
<td>Manningham City Council - (03) 9840 9333</td>
</tr>
<tr>
<td>COMPONENTS</td>
<td>Dual synthetic and turf wickets – single synthetic centre wicket adjacent to turf pitch square</td>
</tr>
<tr>
<td>KEY USES/USERS</td>
<td>Main users include Donvale Cricket Club (Eastern Cricket Association Senior D and F Grade Turf competition and Box Hill Reporter District Cricket Association Junior competition on synthetic wicket) and Donvale Magpies Junior Football Club (Eastern Football League)</td>
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<tr>
<td>COST</td>
<td>Unknown</td>
</tr>
<tr>
<td>COMPLETED</td>
<td>The dual pitch configuration has been in operation since 2007/2008</td>
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<tr>
<td>FUNDING PARTNERS</td>
<td>City of Manningham</td>
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### PROJECT DESCRIPTION

Donvale Reserve Oval #2 is a dual synthetic and turf wicket ground that is used in summer for Senior Turf cricket and Junior synthetic wicket competition.

The ground is used predominately for Saturday turf cricket, with opportunity for use by junior teams on Friday evenings and Saturday mornings on the synthetic pitch.

Due to local ground capacity issues the dual pitch arrangement was established to cater for the Donvale Cricket Club’s growing number of teams.

A critical component to the success of the dual wicket set-up is strong communication between all users. In the Donvale Reserve example, the City of Manningham as the appointed ground curator has ultimate control of the wickets and determine how they are scheduled, used and covered (depending on weather conditions). This decision can impact both synthetic pitch and turf wicket users and is made in consultation with users.

The synthetic wicket remains exposed and uncovered while turf wickets are in use.

Ensuring the pitch is level with the surrounding area is essential to maintaining playability and player safety.

Developing player confidence and education on the presence of the synthetic surface does take some time to develop.

### Key Project Outcomes

- Dual wickets have maximised the use of existing grounds within the City of Manningham.
- Synthetic wicket allows the predominately turf club to provide for and grow its junior base and pathway into senior cricket.
- Synthetic wicket provides a centre wicket training option, one that was previously not available to a turf wicket based club.

### Key Learnings

- The support and strategic direction of “Master Plan” documents is invaluable. Ensure the wicket area is level with all surrounds to avoid any safety risks with an uneven surface.
- Under 14 and Under 12 teams are the main users of the synthetic wicket to minimise wear and tear or damage to the turf square.
- Weather still plays a key factor in usage of the ground and management of wicket covering to preserve the integrity of the turf wickets. Match play on the synthetic pitch can be cancelled as a result of the turf pitch being covered.
- There is a need to clearly establish priority of use and communicate that to user clubs, players, opposition teams and parents.
- Local Association rules regarding covering of turf pitches will impact availability of the synthetic pitch (e.g. the Eastern Cricket Association requires for all turf wickets to be covered by 7pm each Friday evening). Plan for the reconstructed area to be unavailable for the maximum time not the minimum time.
Centre wicket set-up

Image of turf pitches and square and positioning of synthetic cricket pitch. Minimisation of trip hazards and raised lips around the synthetic pitch area and stump holes is critical to developing player confidence and maintaining safety. Location of the synthetic wicket too close to the turf square can create some issues with batsmen running on the pitch with spikes. Turf pitch rotation becomes important in this instance.

Aerial image of Donvale Reserve Oval #2

Aerial image demonstrates the use of the turf wicket square for a Senior cricket match, with the synthetic wicket adjacent, uncovered.