

CASE STUDY



Customer	City of Gosnells WA
Product	Sporting Facilities, one AFL style and one cricket style, pedestrian bridge, boardwalk, shelters, restroom and street furniture
Project	Mills Park Sporting Precinct Development
Location	Beckenham, Western Australia
L.A.	Cardno
Installer	Landmark Products, 2015 / 2016
Ref No	22975

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Overview:

Mills Park in the City of Gosnells has undergone a major redevelopment. This 24 hectare site is home to high levels of sport and passive recreation.

Landmark was proud to the design, manufacture and install two sporting facilities, a pedestrian bridge, a boardwalk, piazza deck, restroom, multiple shelters, seats, benches, BBQs, bins, drinking fountains and picnic settings.

Cricket Sporting Facility:

This sporting facility was designed for team sports (in particular cricket) where the need of grounds maintenance is required.

It includes; two change room areas with showers, toilets, basins and seating for teams. Grounds storage, kiosk with awning, equipment store, two accessible toilets and central service duct.

CPTED and energy efficiency principles were incorporated in the design elements.

AFL Sporting Facility:

This sporting facility was designed for team sports (in particular AFL) where the need of umpire facilities is required.

It includes; two change room areas with showers, toilets, basins and seating for teams. Umpires change room, kiosk with awning, equipment store, two accessible toilets and central service duct.

CPTED and energy efficiency principles were incorporated in the design elements.

Pedestrian Bridge:

The bridge is a Landmark Products K1105 steel truss "Murray". 23m single span x 3m clear width designed to 5KPA loading.

The decking was closed grid fibre reinforced plastic (FRP).

Powder coated aluminium baluster panels were used with hot dip galvanised steel grab rails.

Conduit holders were underslung for holding services.



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Boardwalk:

This boardwalk was designed and installed as a prefabricated kit form structure using a hot dip galvanised steel subframe.

The decking is Einwood wood plastic composite (WPC). Integrated seating is HDG steel with Einwood slats.

The baluster panels and rails are prefabricated from HDG steel.

A total 183m of boardwalk was installed.



Restroom:

This restroom is a modified all steel K9500 "Caretaker".

The restroom has two cubicles, both accessible (2D) with rear hidden service duct.

This is a skillion roof design with angled extended front posts and powder coated aluminium screen. This design is consistent with other structures in this project.

This design meets CPTED principles.



Shelters:

Twenty two (22) custom skillion roof all steel shelters were designed and installed by Landmark Products. They have angled extended front posts and powder coated aluminium screen. This design is consistent with other structures in this project. Three (3) sizes are used, 3.0 x 4.0m, 3.5 x 3.5m and 3.5 x 9.0m.

There is also two (2) all steel cantilever shelter designs installed at the skate park. Both are 4m x 4m in size.



Street Furniture:

We provided a number of street furniture items including:

- Furphy Foundry Metro bin surrounds (general and recycled)
- Furphy Foundry spiral bike racks
- Furphy Foundry Foreshore drinking fountains
- Landmark San Remo aluminium picnic settings, seats & benches
- Landmark Eco double BBQs
- Landmark custom integrated benches to the boardwalk area
- Other standard furniture with timber slats



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Design:

The City of Gosnells intent was to have community hub with high levels of sport and passive recreational use. The design of facilities and selection of street furniture was in conjunction between the City of Gosnells, Cardno and Landmark Products at specification stage.

Site:

Mills Park is a 24 hectare space and will be delivered in two (2) stages. All previous facilities on this site were demolished and the City re-opened Mills Park with new sporting facilities such as tennis courts, artificial soccer pitches, a skate park, a cricket field and AFL oval. The community centre building and green areas expanded with walkways, boardwalks, a piazza, a significant nature playground, wetlands and youth space.

Installation:

Installation of all Landmark items were completed by Landmark Products WA operation. Installation of the first sporting facility took only weeks to complete given the kit form nature.

Outcome:

To date the City of Gosnells has been delighted with the outcomes from Landmark Products and the feedback from the community has been incredible. From what was present to the current modern park facilities has had a very positive impact on the community.



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Sporting Facilities Floor Layout:

