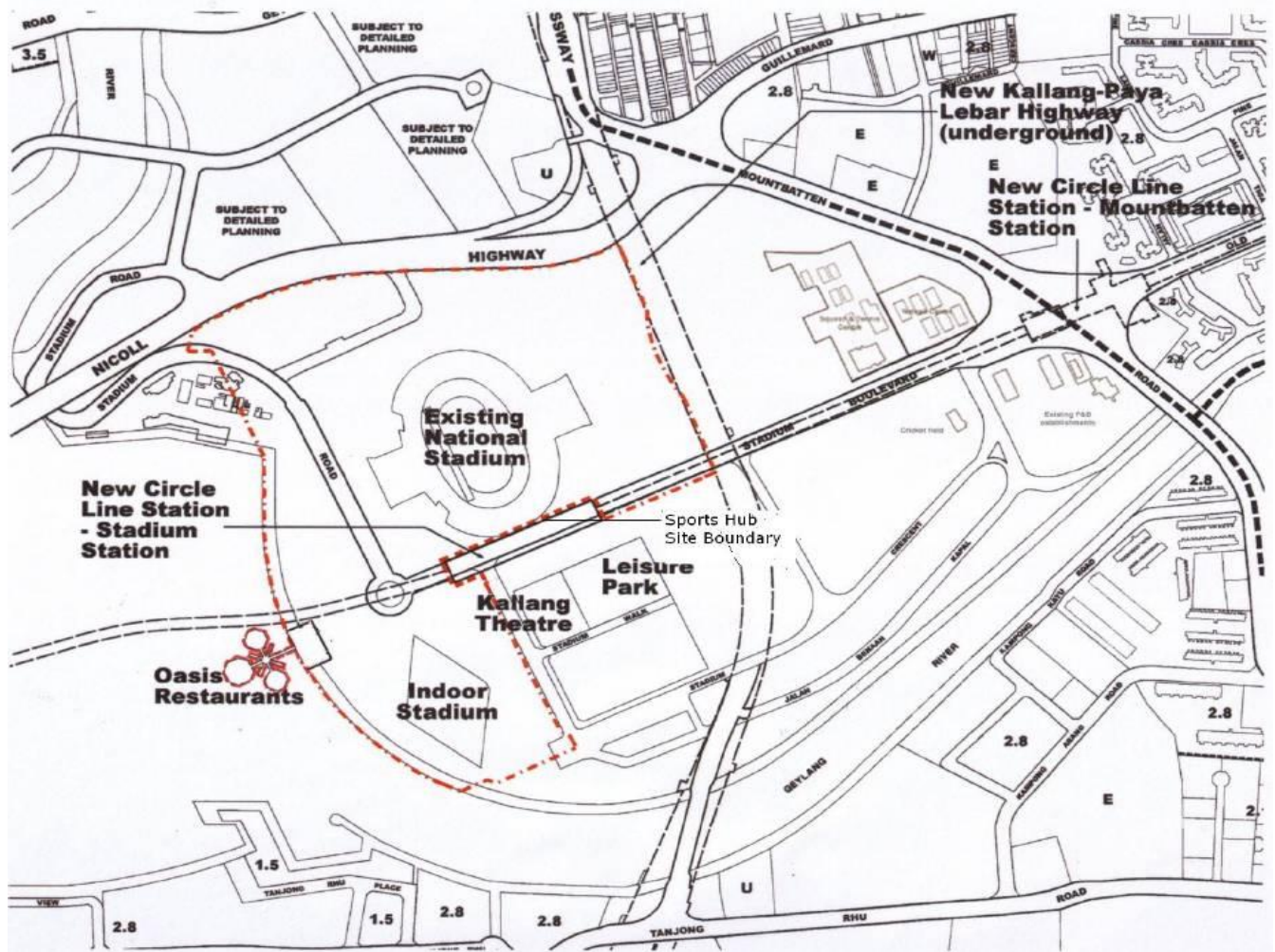


## Annex B

### Site Orientation

Located on 35 hectares of Singapore's prime waterfront in Kallang, the Sports Hub is poised not only as a new icon in Singapore's urban landscape, but as a global benchmark for a 21st century world-class sports, leisure and entertainment development.

Gross Floor Area (GFA) : 274, 853.28 sq.m



## Site Design

The primary driver of the Singapore Sports Hub is the determination to achieve sports functionality of the highest, international standard. Five major sports venues anchor the master plan; the new National Stadium, the Aquatic & Leisure Water Centre, the Multi-Purpose-Indoor-Arena (MPIA), the Singapore Indoor Stadium and the new Water Sports Centre & regatta course in Kallang Basin. Each of these five major venues has been designed for maximum flexibility in use, to support the widest variety of events, throughout the year. They can be used to host world championship sporting events, as well as everyday leisure use.



## **The National Stadium**

At the heart of the development is the new National Stadium. As the centre piece of the Sports Hub, the new National Stadium is strategically orientated towards the waterfront and city skyline beyond, creating a powerful dialogue with the urban context. Functionally, this state-of-the-art venue provides a flexible and multi-functional world-class sports facility for international athletics, football, cricket, rugby and major spectacular events, including the National Day Parade. Enabling this versatility is the integration of retractable seating, allowing reconfiguration of the stadium's bowl to provide appropriate sightlines and viewing distances for various sports and non-sporting events. Designed to provide the highest quality of environment for athlete and spectator alike, the new National Stadium also represents the next stage of evolution for environmentally sustainable stadium design.



## **The Aquatic & Leisure Water Centre**

The Aquatic & Leisure Water Centre are designed to cater to elite athlete training and competition as well as general public recreation and enjoyment. These two venues have been planned in close proximity to create greater synergy for the locale. They are a destination for swimmers allowing full accessibility to each of these facilities by athletes and public daily, and even during major competition events. Internally, the Aquatic Centre's roof has also been designed to ensure an excellent standard of daylight, natural ventilation and overall quality of environment.



## **Multi-Purpose Indoor Arena (MPIA)**

The MPIA, located on the east end of the site, has been designed with the key principles of flexibility, modularity and scalability in mind. It accommodates an array of indoor sports events such as badminton, fencing, silat, wushu, gymnastics training, table tennis, shooting and cue sports. Organised as two multi-purpose modular halls flanking a central public atrium, the complex allows simultaneous usage of the two sports halls with minimal interruption to key sport's training schedules. Furthermore, controlled, natural daylight and a mixed mode ventilation system will also be provided; offering the option of either air- conditioning for competition events, or a low energy, natural ventilation system for everyday use.



## **The Water Sports Centre**

The new Water Sports Centre will engage dynamically with the waterfront, bringing life and vitality with various watersports such as kayaking, dragon boats and rowing. Community water sports facilities are combined and integrated with elite training and racing programmes, to give spectators and athletes a sense of excitement and engagement along the entire length of the water course, culminating with a finish line situated in the heart of the new urban realm.



## **Singapore Indoor Stadium (SIS)**

Besides the creation of new sporting venues, the new Sports Hub is also plans to integrate the existing sporting icon, the Singapore Indoor Stadium, as a key venue within the hub. This facility will continue to operate as an indoor event space for major indoor sports events performances and concerts. New linkages as well as institutional programmes are organized around the SIS, to facilitate better connectivity with the rest of the development, and generate more activity within.



## **Sports Promenade**

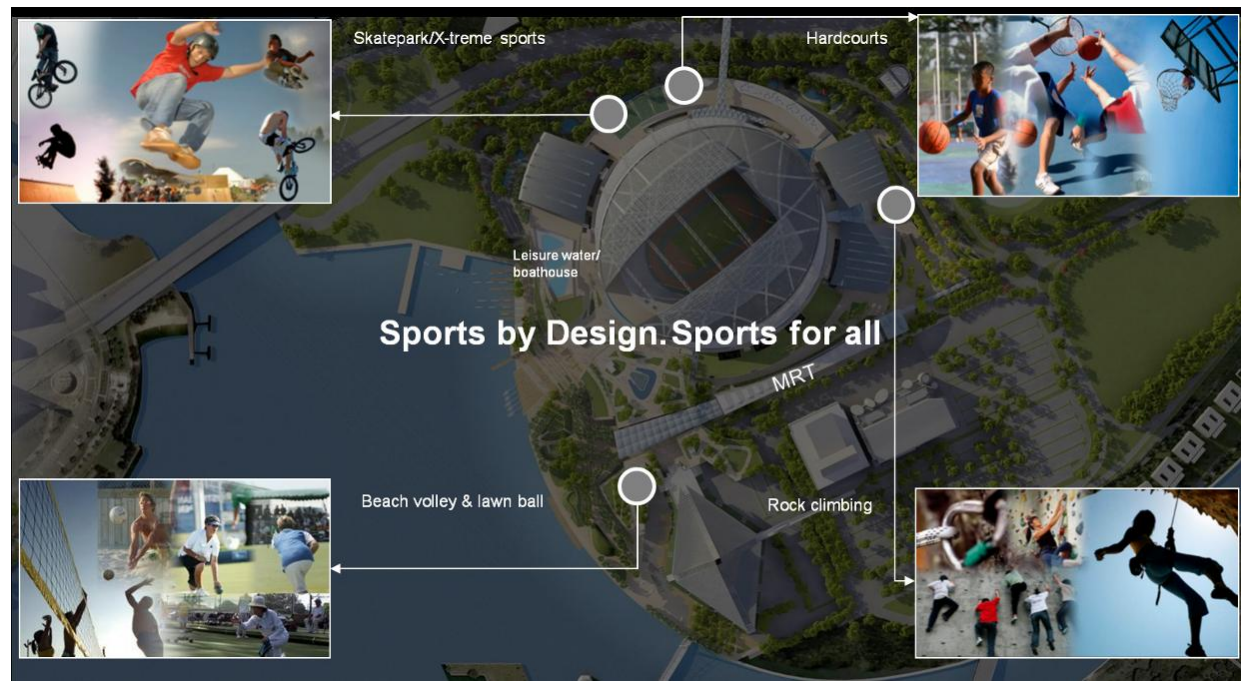
On non-event days, the Sports Promenade is conceived as a lively venue, overlaid with various event spaces and programmes, such as a jogging routes, skate park, sports courts, and retail and/or food and beverage outlets. As a shaded and rain-protected tropical space, it offers a cool and well-accessed environment for events along its length. Around the stadium along the promenade, public will get to enjoy the sights at the Aquatic Centre, MPIA, the retail roof terraces and various community sports venues -- they will also enjoy the magnificent view of the Kallang Basin and Singapore's skyline in the bustle of the multitude of civic events.





## Community Facilities

A host of other sports and recreational facilities are also provided and integrated within the network of the Sports Hub, to cater for the widest spectrum of users possible. These programmes include beach volleyball, rock climbing wall, hard courts, Skate Park and lawn bowl. Together, this assemblage of sports functionalities, both for elite and leisure sports users, epitomise one of the key ambitions the new Sports Hub set to fulfill. That is, its fundamental role as the preferred sporting hub for an international, regional, and national audience.



## **Sports Hub is Eco-Friendly**

The Sports Hub is not designed to be only “green in look, but green in heart”. With the introduction of innovations in conservation, energy and waste stream management that will place the Sports Hub at the forefront of other sporting facilities around the world.

The Sports Hub has been designed to maximise amount of open spaces and promote natural ventilation between buildings. Extensive landscaping is carried out throughout the site by integrating greenery and restoration of existing site trees. Most of the accessible roof areas have been designed with planting to provide quality environments and help reduce solar gain of each building. In addition, a bio-swale is proposed to filter the run-off before it is discharged back into the basin.

