SYNTHETIC FIELDS AND CARPARK ST LUCIA

Consideration:

At the B&G meeting of 28 March 2014, site planning approval was given for the construction of two synthetic sporting fields on Oval 4 and the adjacent softball diamond. As the planning & design of this project evolved, the idea of building these two sporting fields on top of a car park structure emerged. This concept introduced the following benefits:

- It elevates the proposed sporting field infrastructure above flood levels;
- The linkages between the Lakes Walkway, the Student Union, the proposed new synthetic sporting fields and associated canteen/change room facility, the UQ Pool and proposed new gymnasium, will form an integrated recreational and social hub to enhance the student experience on campus. Special attention will be made to architecturally link the walkway and car park facility together and this will allow for sharing of common walkways and services.
- The elevated turf will minimise, if not eliminate, abuse from pedestrians, bikes and vehicles potentially damaging the surfaces.
- The elevated sporting fields will make it possible to use the existing hillside to form natural terraced seating for views over the sporting fields.
- The car park structure will be blended into the landscape with the use of berms and plantings.
- The car park roof will provide a superior and stable base for the construction of the synthetic sporting fields and this will extend the useable life of the synthetic materials.
- It provides an additional 500 car parks that will cater for the undersupply of casual parking for staff and students.
- The provision of these additional car park spaces will avoid the need to bus attendees to graduations ceremonies from the Multilevel car parks to the UQ Centre.
- The elevated podium will allow for stormwater tanks to capture rainwater falling onto the synthetic fields (to be located out of sight under the sporting fields).
- The synthetic sporting field and associated car park structure have been included in the new Campus Master Plan.
- A car park in this location allows traffic access from two directions (Sir Fred Schonell Drive and Upland Road).

Description:

The project will be comprised of the following elements:

- Construction of a single on ground level 500 space car park;
- Construction of two synthetic fields: one to International hockey field specifications and the other a multi-sport field built to international guidelines. The two fields will be located on the existing oval 4 and softball diamond sites.
- Construction of ancillary elements associated with the sporting fields (e.g. upgrade existing field lighting, goal boxes, seating, dug outs, fencing and safety netting etc).
- Renovation and construction of an additional floor on Building 33 to accommodate change rooms, sporting club space and canteen facilities;
- Construction of connection linkages to the Lakes Walkway, new Student union plaza area, Building 33 and UQ Centre.
- Provision of storm water catchment and recycling infrastructure;
- Provision of landscaping works to blend the facility to enhance the overall aesthetic impact of the area.
BACKGROUND

Site planning obtained in March 2014 to develop 2 synthetic sporting fields at ground level
ALTERNATIVE PROPOSAL – Synthetic sporting fields built in same location but on top of a single level 500 space car park

Benefits:

• Elevates the infrastructure above flood levels
• Enhances the student experience on campus
• Existing hillside can be used to form natural terraced seating
• Blended into the landscape with the use of berms and plantings
• Provides a superior base for the synthetic sporting fields
• Provides an additional 500 casual car park spaces
• Improved access for graduation ceremonies
FUNDING

- Sporting Fields including ancillary infrastructure/equipment & consequential works - $5M (ISC $3M, UQSPORT/SSAF $2 M)

- Car Park (UQ internal loan $19M)
Why an extra car park?

- Reduction in existing car park spaces
- Demographic changes driving increased demand for casual parking
- Increasing staff & student numbers
- Many cars drive around a campus searching for available spaces
Alternative sites?

- Consultant evaluated all oval sites for on-grade synthetic fields
- Oval 6 is alternative option however will take fields away from student hub, increase traffic congestion at the busiest part of campus, is in close proximity to UQ neighbours – additional traffic lights likely required
- To consider an alternative site will significantly delay the provision of car park and sporting facilities which are needed now
- Current site spreads car park distribution on campus
- Oval 4 interconnects into a student arrival, learning and sporting hub
- Project significantly improves use of the space and overall aesthetics
LOCATION - STUDENT PRECINCT AND PROPOSED SITE
INTEGRATED SPORTS FIELDS AND CAR PARKS BUILT TO PROTECT COLLEGE GREEN SPACES

CHESAPEAKE CAMPUS, OKLAHOMA CITY

COLORADO CAMPUS, COLORADO

ST LAURENCE'S COLLEGE, BRISBANE

SAIT PARKADE - CALGARY

INTEGRATED COLLEGE SPORTS FIELDS AND CAR PARKS
NEW SPORTS FIELDS INTEGRATED INTO CAMPUS LANDSCAPE SETTING

THE PROPOSAL
ELEVATED FIELDS INTERLINKING ELEVATED STUDENT FACILITIES INTO ONE INTEGRATED PRECINCT

INTEGRATED STUDENT RECREATIONAL AND SOCIAL PRECINCT
SYNTHETIC FIELD ON GRADE

ASSET AT RISK AT NEXT FLOOD EVENT

CONCEPT DIAGRAM 1 - SPORTS FIELD
ELEVATE SPORTS FIELD TO FLOOD PROTECT

CAPITALISE ON CAR PARK OPPORTUNITY TO ASSIST PROJECT FUNDING

CONCEPT DIAGRAM 2 - ELEVATE SPORTS FIELD AND CREATE CAR PARK OPPORTUNITY
LANDSCAPED BERMS TO PROTECT CAR PARK FROM OVERLAND FLOW

PLANTING AND SCREENS TO INTEGRATE WITHIN LANDSCAPE SETTING

CONCEPT DIAGRAM 3 - INTEGRATE WITH LANDSCAPE BERMS AND SCREENS
CONCEPT DIAGRAM 4 - NATURAL SPECTATOR TERRACES AND NEW SPORTS HUB

TERRACE HILL TO CREATE NATURAL VIEWING AMPHITHEATRE

REFURBISH EXISTING BUILDING TO CREATE NEW SPORTS HUB
500 NEW CARS, ADJACENT TO THE UQ CENTRE, CONCEALED BY LANDSCAPED BERM AND FOREST

SITE PLAN - LAKES AND CAR PARK LEVEL
2 NEW FLEXIBLE USE SPORTS FIELDS, INTERLINKED ON SAME LEVEL WITH UQ CENTRE, SPORTS HUB & FUTURE GYM

PROPOSED SPORTS FIELDS

SITE PLAN - FIELD LEVEL
BUILDING 33 REFURBISHED INTO A NEW SPORTS HUB, INTEGRATED WITH UNION REFURBISHMENT AND UQ LINK ARRIVAL PLAZA

SITE PLAN - CAMPUS LEVEL
NEW SPORTS AND PARKING FACILITY, INTEGRATED DESIGN WITH NEW UQ LINK AND LANDSCAPE SETTING

ARTISTS IMPRESSION - VIEW FROM SOUTH EAST
SITE BOUNDED BY ALUMNI GARDENS, VIEWS TO PROJECT RESTRICTED BY EXISTING TREES

REFERENCE PHOTO - VIEW FROM SOUTH EAST (ACTUAL VIEW FROM BUS STATION)
LANDSCAPED BERMS TO FIELD PERIMETER CONCEAL PARKING LEVEL AND MERGE PROJECT INTO THE LANDSCAPE SETTING
LANDSCAPE SCREENS - CURVED “BASKET WEAVE” STRUCTURE WITH GREEN CANOPY

CURVED LANDSCAPE SCREENS TO ENDS OF FIELDS

BRONZE COLOURED “BASKET WEAVE” STRUCTURE

DENSE VINE PLANTING AT CLOSE CENTRES ALONG LENGTH OF LANDSCAPE SCREENS

LANDSCAPE SCREENS - MATERIAL PALETTE AND REFERENCE IMAGES
FITOUT OF EXISTING LEVEL WITH FOUR NEW CHANGE ROOMS

PROPOSED LANDSCAPED GARDENS

EXISTING UQ CENTRE CAR PARK

PROPOSED LIFT

PROPOSED CAR PARK

PROPOSED CHANGE FACILITIES

SPORTS HUB CHANGE FACILITIES - CAR PARK LEVEL
SPORTS HUB CHANGE FACILITIES - FIELD LEVEL

FITOUT OF EXISTING LEVEL WITH FOUR NEW CHANGE ROOMS

PROPOSED SPORTS FIELDS

PROPOSED LANDSCAPED GARDENS

PROPOSED LINK BRIDGE TO FIELD

PROPOSED LINK HUB

PROPOSED DUG-OUTS

PROPOSED VIEWING TERRACES

EXISTING UQ CENTRE

PROPOSED LIFT

PROPOSED CHANGE FACILITIES
NEW RECREATIONAL LEVEL ABOVE EXISTING BUILDING OVERLOOKING NEW SPORTS FIELDS

SPORTS HUB RECREATIONAL FACILITIES - CAMPUS LEVEL
A NEW SPORTS HUB CENTRALLY LOCATED WITH CHANGE AND RECREATIONAL FACILITIES

SPORTS HUB - ARTIST IMPRESSION
NEW SPORTS HUB LOUNGE - SCREENED “VERANDAH” OVER EXISTING CONCRETE BUILDING

SLIDING SCREENS ENABLE LOUNGE TO BE OPENED UP TO WATCH GAMES

WARM COLOURED CONCRETE

BRONZE PERFORATED SHEET METAL PANELS

SPORTS HUB - MATERIAL PALETTE AND REFERENCE IMAGES