Health Innovation Building (HIB)

Design Presentation

May 2015
Welcome

Christina Coleiro
Senior Project Manager
Project Vision

Prof David Lloyd
Vice Chancellor & President
Chancellery and Council Services
Project Scope

- SciCEd
- Innovation Collaboration ICT
- Allied Health Clinics
- Centre for Cancer Biology
- Growth Floors
- Urban Park

14 levels
29,000m² GFA
Project Team
Project Team

Principal Consultant (Architects): Swanbury Penglase + BVN
Cost Management Services: Rider Levett Bucknall
Building Services: KBR + ARUP
Structural and Civil: Wallbridge & Gilbert
Managing Contractor: Hansen Yuncken
Façade Engineers: ARUP
Laboratory + Animal House Specialist: Jeff Freeman
Urban Planner: URPS
Building Certifier: Katnich Dodd
ESD Consultant: Cundall
Waste Consultant: Rawtec
Gallery Specialist: Freeman Ryan Design
Access Consultant: Disability Consulting Services
Risk Management: Mott McDonald
Commissioning Agent: AG Coombs
Project Program
## Project Program

<table>
<thead>
<tr>
<th>Key Project Time lines</th>
<th>Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Consultant Team Appointed</td>
<td>April 14</td>
</tr>
<tr>
<td>Project Start Up Workshop</td>
<td>End April 14</td>
</tr>
<tr>
<td>Managing Contractor Appointed</td>
<td>Aug 14</td>
</tr>
<tr>
<td>Concept (Schematic) Design Phase</td>
<td>Oct 14</td>
</tr>
<tr>
<td>Design Development Phase</td>
<td>End March 15</td>
</tr>
<tr>
<td>Documentation Phase completed</td>
<td>End Dec 15</td>
</tr>
<tr>
<td>Tender of Trade Packages</td>
<td>April 15- mid 2016</td>
</tr>
<tr>
<td>Construction on Site Commences</td>
<td>June 15</td>
</tr>
<tr>
<td>Construction Completed</td>
<td>Early 2018</td>
</tr>
<tr>
<td>Occupation</td>
<td>Mid 2018</td>
</tr>
</tbody>
</table>
Design Presentation
Abbie Galvin + Wayne Grivell
Swanbury Penglase + BVN
COMMON DEVELOPMENT FRAMEWORK
2.2 URBAN PARK

**Intent:**
Capitalize on the easement space required by DPTI for a future underground metro railway tunnel to provide a civic, urban landscape zone that transitions the city edge with the railway and Riverbank Precinct.

**Design Objectives:**
- contribute to the active engagement of North Terrace by providing landscape relief;
- create spaces that are focused on providing public amenity to the precinct and the broader city;
- comprise soft and hard landscaping including - trees, shrubs, seating, shade and shelter;
- be complimentary to the landscaping strategies for North Terrace already established by nMAH and SAHMRI;
- facilitate and promote the visual and physical accessibility between North Terrace and the rail corridor / riverbank, along with a newly proposed 'North Walk'.
2.7 PAVILIONS IN THE PARK

Intent:
Create a series of separate singular urban buildings that are designed “in the round” to address their dual relationship between the city and the Park Land zone of the Adelaide city edge.

Design Objectives:
- define a singular urban form that relates to the ground plane like a “pavilion in the park” through relief and physical porosity;
- architecturally engage with North Terrace, the city, the Torrens / Riverbank, nRAH, SAHMRI, Stage 1 and the Convention Centre;
- define and characterise the proposed buildings as an expression of the parklands context of the city edge, which is different to that which defines buildings within the constraints of the city grid;
2.5 PEDESTRIAN PATHS

**Intent:**
To seamlessly connect North Terrace with all sides of the building, such that the public space of North Terrace extends around the proposed building.

**Design Objectives:**
- Facilitate safe and "accessible" pedestrian movements between all public zones in the South Australian Health and Biomedical Precinct;
- Create multiple opportunities for pedestrian connections through and around the building;
- Connect North Terrace with 'North Walk';
- Connect Morphett Street Bridge with "North Walk";
- Connect pedestrian movement with all "Activation Zones";
2.8 VEHICULAR ACCESS & LOADING

**Intent:**
Provide a private roadway for access to the University of Adelaide and University of South Australia sites for the purposes of car parking, drop-off, loading, upgrade/maintenance and deliveries.

**Design Objectives:**
- provide an access road that is separated from the pedestrian focused access of the ‘North Walk’ zone and ‘Urban Park’;
- provide one way access (left turn only) from North Terrace under Morphett Street Bridge;
- provide one way (left turn only) exit into the nRAH Eastern Access Road;
- provide an access from which purpose designed loading and entry zones into University of Adelaide’s and University of South Australia’s respective sites can be achieved;
- design for provision so that the road can be shared with DPTI for access to the rail corridor as required.
2.4 URBAN FORM

Intent:
To create an urban building form which is complimentary to the newly established streetscape scales on the riverbank side of North Terrace including nRAH, SAHMRI Stage 1 and the Adelaide Convention Centre that will also make a positive contribution to Adelaide’s city skyline.

Design Objectives:
- use the building form to mediate and define the edge of the city;
- create transparency in the building form where possible;
- contribute to the sense of layering and profiling of the city skyline;
- contribute to the sense of city entry and procession.
LOWER GROUND FLOOR TO FLOOR HEIGHT - DEFINES GROUND FLOOR LEVEL
MORPHETT ST BRIDGE ACCESS – CREATES MEZZANINE LEVEL
PLANET GALLERY
LEED GOLD RATING:

- optimised façade – solar shading + high performance glass
- recycled content (steel reinforcement)
- low energy mechanical plant selection
- water efficient landscape
- water use reduction
- 260m2 PV rooftop PV cells
- ongoing tracking of building performance (energy and water use)
Questions
Further Information

UniSA Website

Senior Project Manager, UniSA- Christina Coleiro
christina.coleiro@unisa.edu.au
Thank You