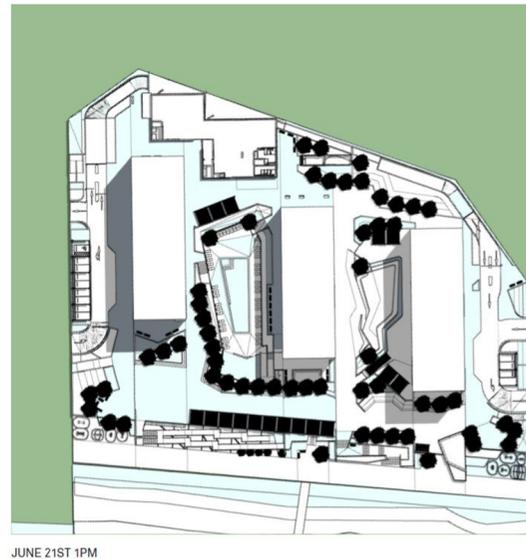
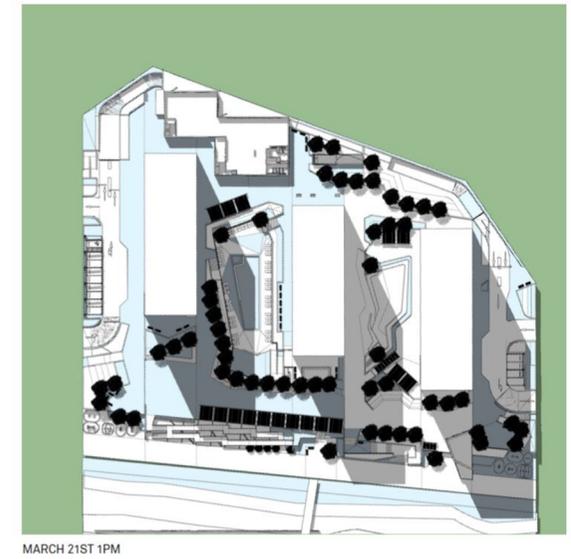


# Let's start using Shade Diagrams

- Shade diagrams are the calendar opposite of shadow diagrams
- Can be produced on same programs
- Show continuous cover of shade when UV level is 3+ eg midsummer, Sept & March equinoxes



JUNE 21ST 1PM



MARCH 21ST 1PM

ESTIDAMA SHADING CALCULATIONS					
ELEMENT	REQUIRED SHADE (%)	AREA (m2)	DATE	SHADED AREA (m2)	ACHIEVED SHADE (%)
PRIMARY & SECONDARY FOOTPATHS	75%	1070m2	JUNE	811m2	76.8%
			MARCH	826m2	78.4%
PLAYGROUNDS	90%	106m2	JUNE	95m2	90%
			MARCH	106m2	100%
OPEN SPACE	60%	100m2	JUNE	60m2	60%
			MARCH	100m2	100%
SURFACE CAR PARKING	40%	192m2	JUNE	145m2	100%
			MARCH	145m2	100%

Image credit: The Bridges Detailed Design Report, Abu Dhabi, AECOM Middle East 2017



Excerpt from a presentation by Nicola Groskops and Jan Fallding (RPIA, Fellow) to Planning Institute Australia NSW Conference, Wagga Wagga, March 2022

# Shade Diagrams cont'd

THE BRIDGES PHASE 2|100% Detail Design Report

## 08 Shading Strategy

Shade is a crucial benchmark in the design, comfort and Estidama compliance of The Bridges development.

The design aesthetic of the shade structures are to follow the overall development character of 'Industrial Chic'. Structures have clean slimline charcoal coloured portal frames with timber coloured steel mesh infills in the form of to tie in with the balustrade, ramp and pavement design.

### LEGEND

-  Trees
-  5.2x5.2m Shade Structure
-  2.55x2.55m Shade Structure
-  Carpark Tensile Shade Structure
-  Primary Pedestrian Route (75% shade)
-  Secondary Pedestrian Route (75% shade)
-  Playground (90% shade)

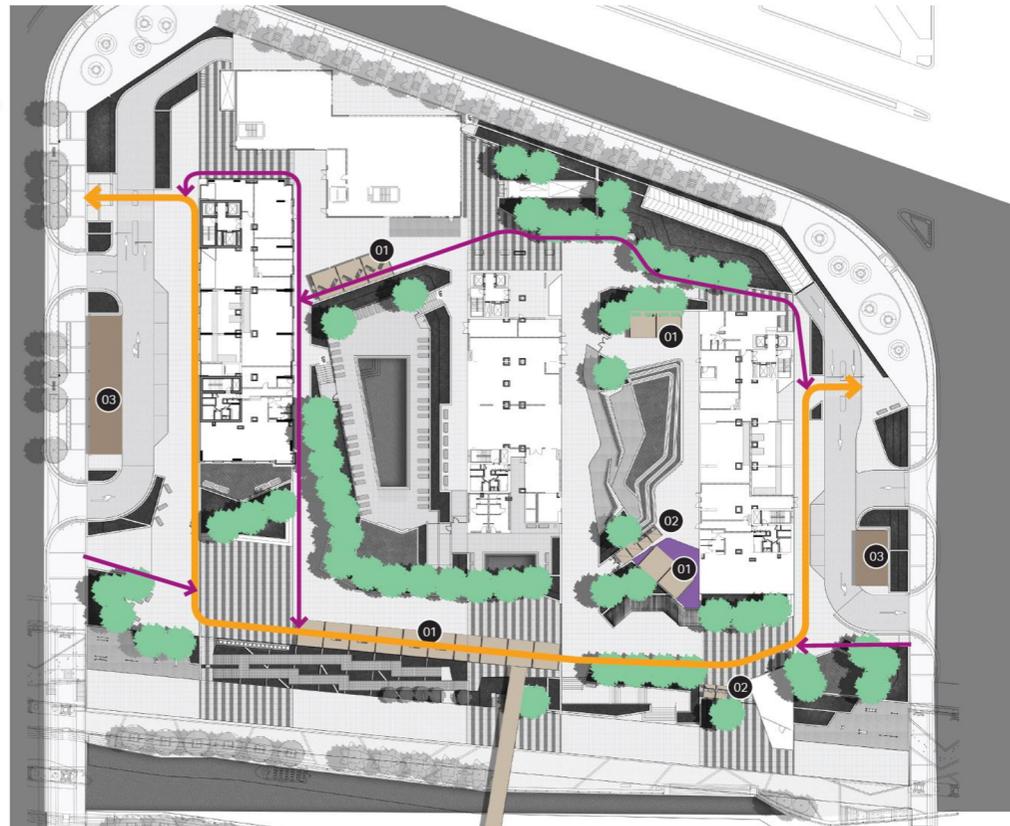


Image credit:  
The Bridges  
Detailed Design Report,  
Abu Dhabi,  
AECOM Middle East 2017

Excerpt from a presentation by  
Nicola Groskops and  
Jan Falding (RPIA, Fellow) to  
Planning Institute Australia NSW  
Conference, Wagga Wagga,  
March 2022

.....  
**Cancer Institute NSW**