



## MASTER PLAN - URBAN STRUCTURE CLIMATIC PRINCIPLES

The urban structure of the master plan **responds to climate conditions** via the following;

1. The urban structure orientates blocks in a south-west to north-west orientation where possible to accommodate predominate Dry Season (June, July, August) south-east breezes and Wet Season (December, January, February) north - west breezes. However it should be noted breezes arrive from a variety of angles. Where this orientation is not possible - where orientation is set to adhere to topographical principles, dwellings are to be designed to maximise breeze capture and circulation,
2. Lots are staggered (back to back) where appropriate to provide open channels for breeze conveyance through the street block,
3. Private front courtyards as well as rear courtyards/yards throughout university village encourage residents to open the front and rear of dwellings to capitalise on breezes whilst maintaining privacy,
4. Large and high canopy street trees offer shade and are strategically located in front of private courtyards, and
5. Large and high canopy trees will be encouraged to be planted in strategic locations within private lots to provide shading to dwellings and minimise solar loading.