

# MAROU VILLAGE'S

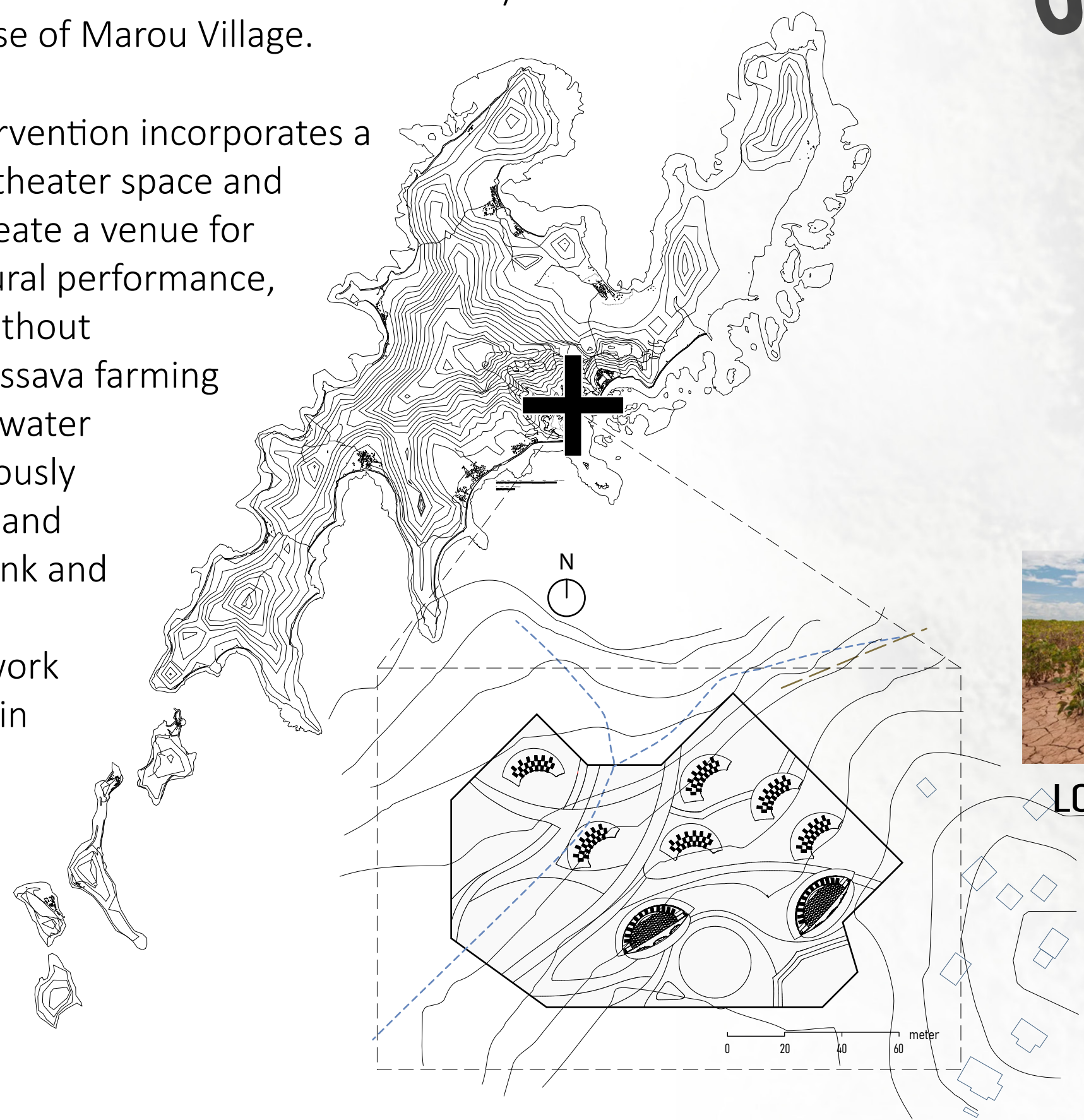
## Oasis Farm KereKere

*Kerekere* in Fijian means a site for "sharing" they need, and that highlight community bonding and collective caring. From a landscape design standpoint, Oasis Farm connects local food production, water use, energy resources, and natural elements. By combining the two ideas, our project gradually expands its design capabilities beyond the production of electricity; it makes use of solar panels and incorporates the natural site's power into an indoor and outdoor community area with multiple uses. With this design strategy, the area is guaranteed to provide economic opportunities, build community facilities that are flood and cyclone-resistant, and eventually improve the quality of life for the Marou villagers.

Oasis Farm Kerekere integrates small-scale building intervention and landscape. Firstly, the community shelter facilitates electricity generator inside. It is resistant to cyclone damage following the Bure House design rules, which call for low-lying construction, less openings, and free-hanging structures. The curved wall and light-steel roof complement the natural contours of the ground, minimizing the need for major changes to the topography. By utilizing bamboo, clay, lime and beach sand, the wall materials improvise native construction techniques. These materials serve as both a wind-sound catcher and a cultural expression tool, catching low-frequency sounds and highlighting the distinctive heritage of the Fijian people and region. With its decentralized battery system, solar panel roof, rainwater collection, stormwater treatment, and areas for tourism agendas and community development initiatives, each unit of shelter is ultimately made to be a multipurpose powerhouse of Marou Village.

Secondly, landscape intervention incorporates a low-maintenance amphitheater space and pathway landscape to create a venue for children's activities, cultural performance, and gatherings events without eliminating the village cassava farming spaces. The injected rainwater harvesting system generously implements land cutting and underground modular tank and piping direct to village, reducing complexity to work with villager community in the field.

### SITE CONTEXT



### EMERGENCY STATE



### DESIGN BACKGROUND

#### THREAT AS DESIGN CHALLENGE

### FLOODING



#### THREAT AS DESIGN CHALLENGE

### CYCLONE



### LONG DROUGHT

