

THREADScape

WEAVING MAROU VILLAGE’S ENERGY, WATER, AND COMMUNITY THREADS INTO AN ECOLOGICAL ARTWORK

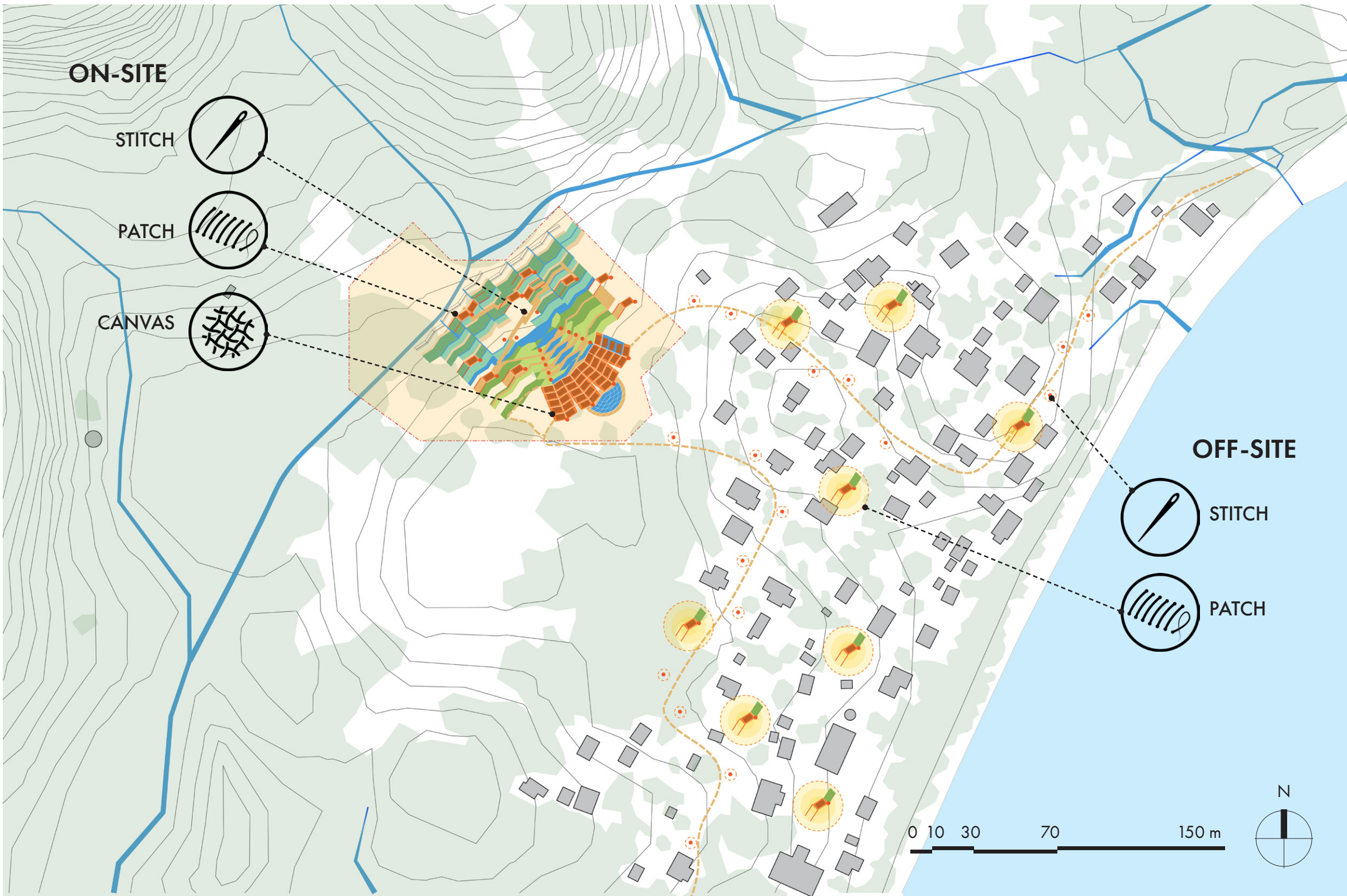
Threadscape addresses the escalating climate and energy challenges in the Village of Marou by building a design vision rooted in resilience and celebration of the Village’s cultural tradition. Inspired by TaliTali, the Fijian practice of weaving used in daily life, the project utilizes weaving as both method and metaphor to interlace energy, water, culture, and social life into a living, adaptive system. The core of the project is a collective toolkit, composed of Canvas, Patch, and Stitch.

CONCEPT



SCALABLE STRATEGIES FROM PATCH FOR BROADER VILLAGE APPLICATION

Patch is representative of the larger Canvas pavilion and can be scaled down into smaller Stitch units. It contains critical elements of our proposal-PV panels, wind turbines, passive water collection and filtration systems, and modular bamboo and steel construction. Its scale makes it logistically manageable for transport, construction, and iterative testing. Lessons learned from this pilot will directly inform full-scale implementation while also creating an immediately usable space for villagers.



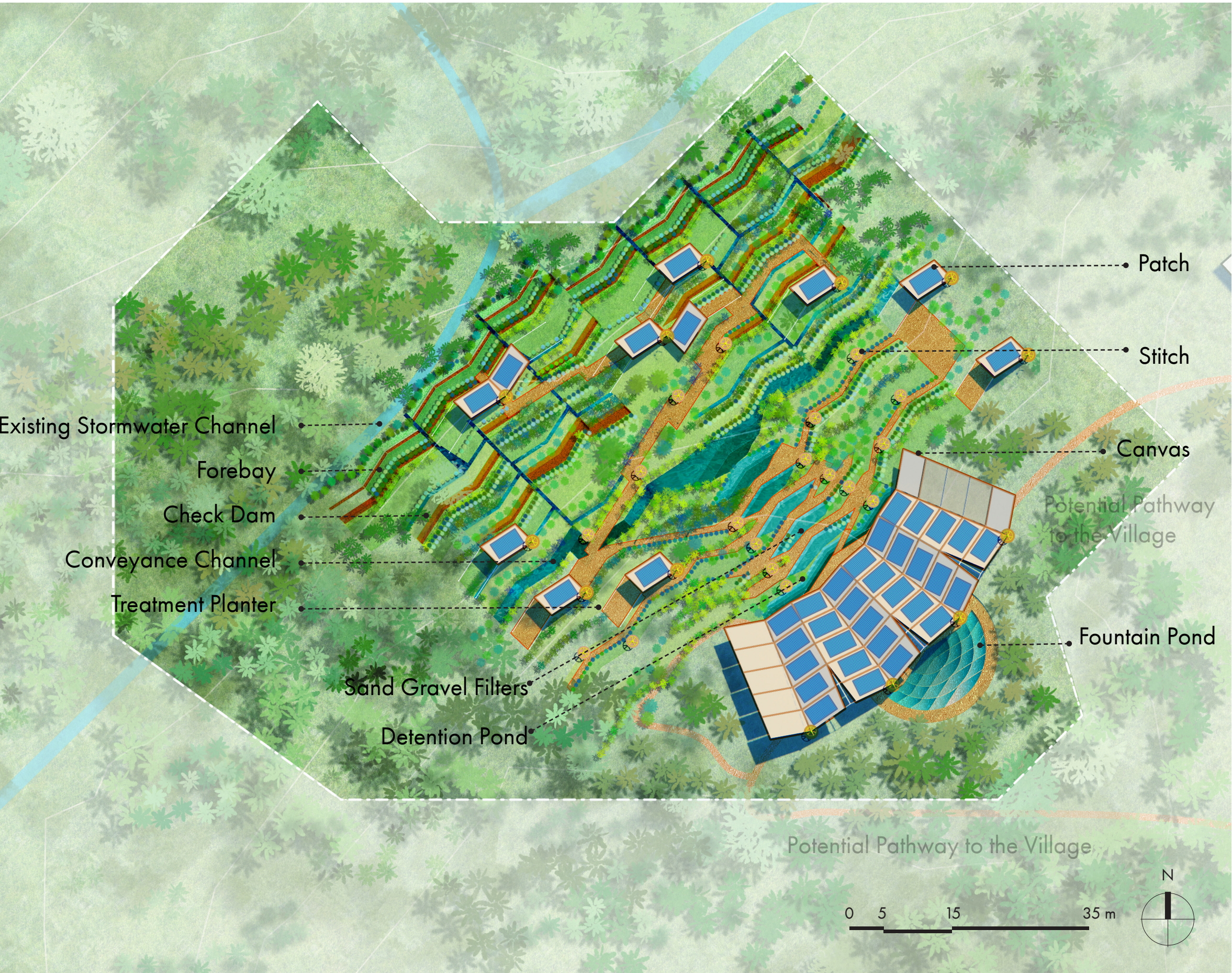
FRONT PLAZA AND ‘CANVAS’



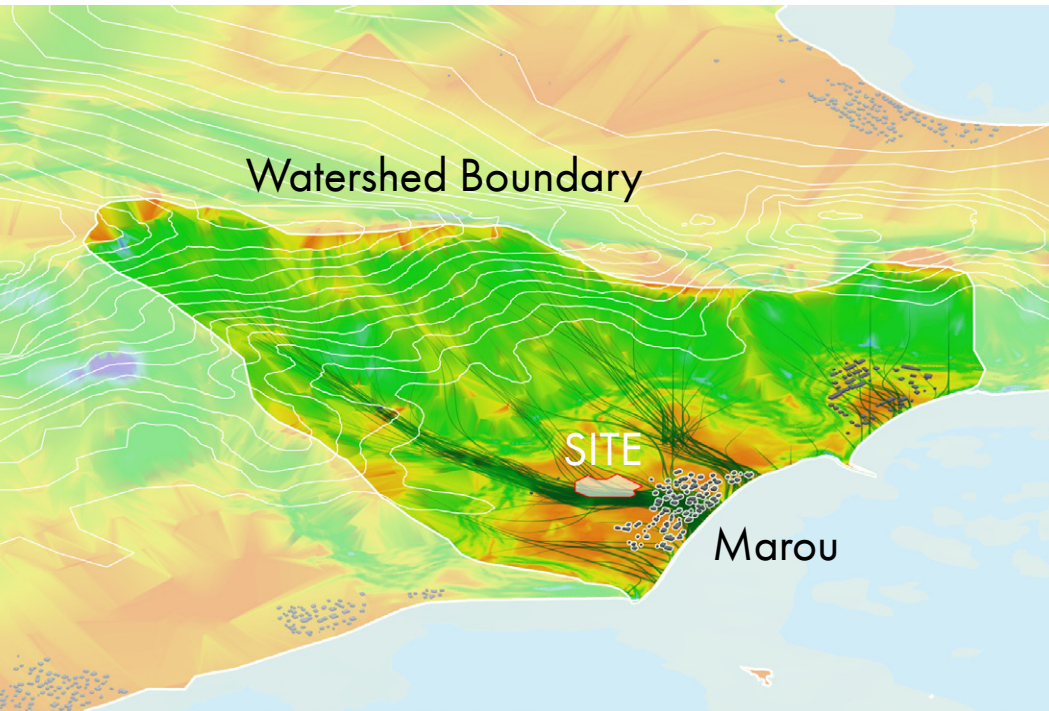
DAY TIME: The pavilion becomes an active center for knowledge-sharing. This modular structure embodies the core principles of the entire system.

NIGHT TIME: Stitch-the smallest unit-functions as a self-sustaining lighting system. It enhances nighttime safety and visibility, and transforms the site into a glowing landscape.

MASTERPLAN



REGIONAL SLOPE AND FLOW PATTERNS



The site has a large watershed and clean rainwater due to dense forest coverage and a clean atmosphere. However, the upper areas of the site have steep slopes of up to 50%, posing risks of soil erosion and sediment runoff. Additionally, the site acts as a floodplain during storm events. So it provides both opportunities and challenges for water management.

Our installation presents a holistic approach to minimizing environmental impact while delivering vital infrastructure. By emphasizing local materials, low-carbon systems, zero-emission operations, and landscape integration, the design not only meets the practical needs of the Marou Island community but also becomes an agent of ecological stewardship and environmental resilience.