

PROJECT BACKGROUND

Palau Island Protected Landscape and Seascape is one of the few islands in the country located in Sta. Ana, Cagayan, that still has thick forest cover and well-preserved natural resources that provides a refuge for a variety of fauna and flora species including different major mangrove species of the Philippines. However, these resources tends to be exploited due to lack of livelihood and environmental awareness. To solve this problem, a botanical park design, titled "ISURO", an Ilocano term, which means to give knowledge, wisdom or skill to people, will be done.

VISION

To create a botanical park that would enrich people's life through education and discovery about different species of plants that are culturally and ecologically important to the Palau Island Protected Landscape and Seascape and the environment in general

STRENGTHS

WEAKNESSES

OPPORTUNITIES

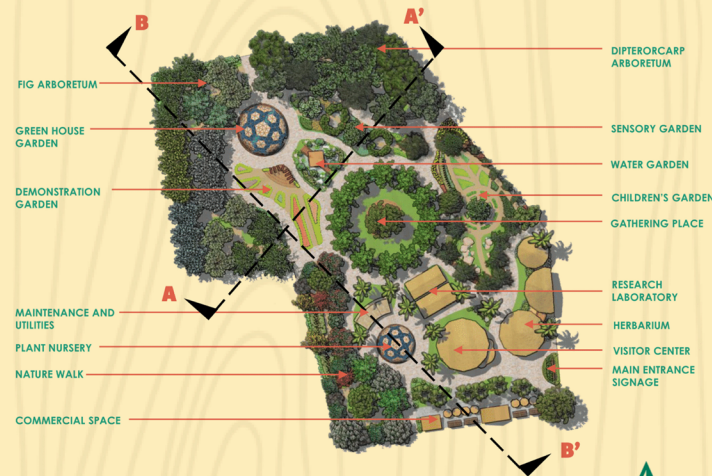
THREATS

- Site has a level to nearly level slope
- Site is located far enough from the seashore which makes it safe from flood
- Site is surrounded by trees which serves as a buffer for strong winds
- Site is located near residential areas which makes it easily accessible for the locals and the tourists.

- Site is far from water bodies which provides lesser opportunity for irrigation.
- Site lacks defined boundaries from the closed forest
- Lacks defined accessway from the residential area

- Site is surrounded by a forest which can be beneficial to its overall biodiversity and vice versa
- The site can be designed to complement the existing agricultural land
- Site is an open space which can be designed to provide livelihood for the community without destructing the natural environment.

- Site is prone to wild animal attacks since it is surrounded by a forest
- Human activities within the site may pose threat to the surrounding wildlife
- Site has low to medium susceptibility to landslide



SITE DEVELOPMENT PLAN

SCALE 1:1200 MTS.



DESIGN PHILOSOPHY

Look deep into nature, and then you will understand everything better" –Albert Einstein

The philosophy that will be used for the design aims to provide people knowledge and understanding that could lead them to better life. Applying this philosophy in the design would greatly help the locals and tourist learn more from the environment and create a sense of responsibility to use its resources in the most efficient way for its preservation. Furthermore, the design philosophy could also be an inspiration for the people to become more observant of their surroundings and to gain knowledge on how things work which may also help them to create new ideas for sustaining their livelihood as well as preserve the environment.

DESIGN CONCEPT

Narra Tree (*Pterocarpus Indicus*)

Palau Island hosts a good number of Narra trees which is classified as critically endangered species. Narra is a hardwood tree in the Philippines which is often used for making furniture. It is also the Philippine national tree which signifies persistence and strength of character of the Filipinos during hard times. In order to honor this characteristics of Filipinos and to promote the conservation and importance of different native and local species, the site will be designed in a way that it embodies characteristics of a Narra tree. With that being said, the site will be designed using curvilinear forms inspired by the wavy pattern of Narra wood grains. Furthermore, bold patterns will also be used in the design signifying strength and the spaces will also be designed for recreational activities and livelihood opportunities for the local community to thrive during difficult times.

THEORETICAL FRAMEWORK

Environmental Determinism

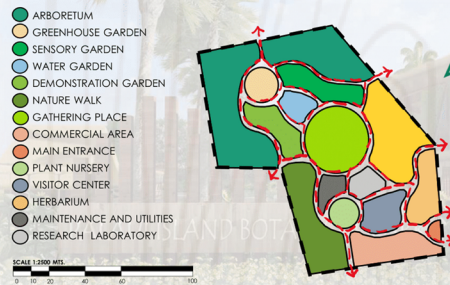


Environmental determinism is a belief that environmental features directly determine aspects of human behavior and society.

DESIGN OBJECTIVES

- ✓ Provide collection, documentation, distribution and proper maintenance of native and local species of plants.
- ✓ Promote conservation and propagation of vulnerable and endangered species of plants
- ✓ Provide spaces that can be used for educational, recreational and commercial purposes that are accessible for the public.
- ✓ Provide other source of livelihood for the local community
- ✓ Ensure safety and security for areas located along the closed forest
- ✓ Ensure accessibility and usability of the spaces and facilities for the public
- ✓ Promote preservation of the biodiversity of the protected area and the culture of the local community.

FUNCTIONAL DIAGRAM

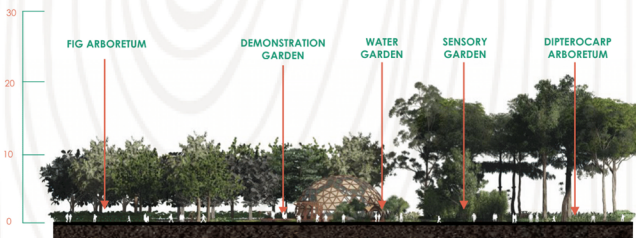


SCALE 1:2000 MTS.



SECTION-ELEVATION A-A'

SCALE 1:600 MTS.



SECTION-ELEVATION B-B'

SCALE 1:600 MTS.



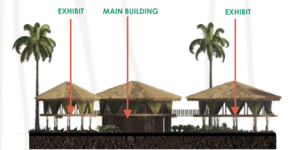
SECTION-ELEVATION A-A'

SCALE 1:600 MTS.



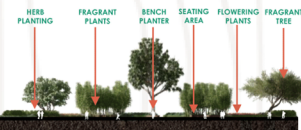
WATER GARDEN SECTION-ELEVATION

SCALE 1:250 MTS.



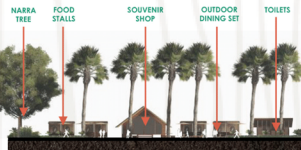
HERBARIUM SECTION-ELEVATION

SCALE 1:400 MTS.



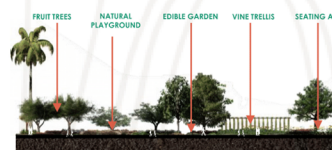
SENSORY GARDEN SECTION-ELEVATION

SCALE 1:400 MTS.



COMMERCIAL AREA SECTION-ELEVATION

SCALE 1:400 MTS.



CHILDREN'S GARDEN SECTION-ELEVATION

SCALE 1:400 MTS.





AERIAL PERSPECTIVE
NOT TO SCALE



SPOT PERSPECTIVE
NATURE WALK



SPOT PERSPECTIVE
COMMERCIAL AREA



SPOT PERSPECTIVE
WELCOME SIGNAGE



SPOT PERSPECTIVE
SENSORY GARDEN



SPOT PERSPECTIVE
WATER GARDEN



SPOT PERSPECTIVE
CHILDREN'S GARDEN