

Year 2019 - 2023

01

PortFolio

Landscape Architecture

by Thada
Raksawong



Content



01

Thesis Landscape



02

Internship



03

Hand Work

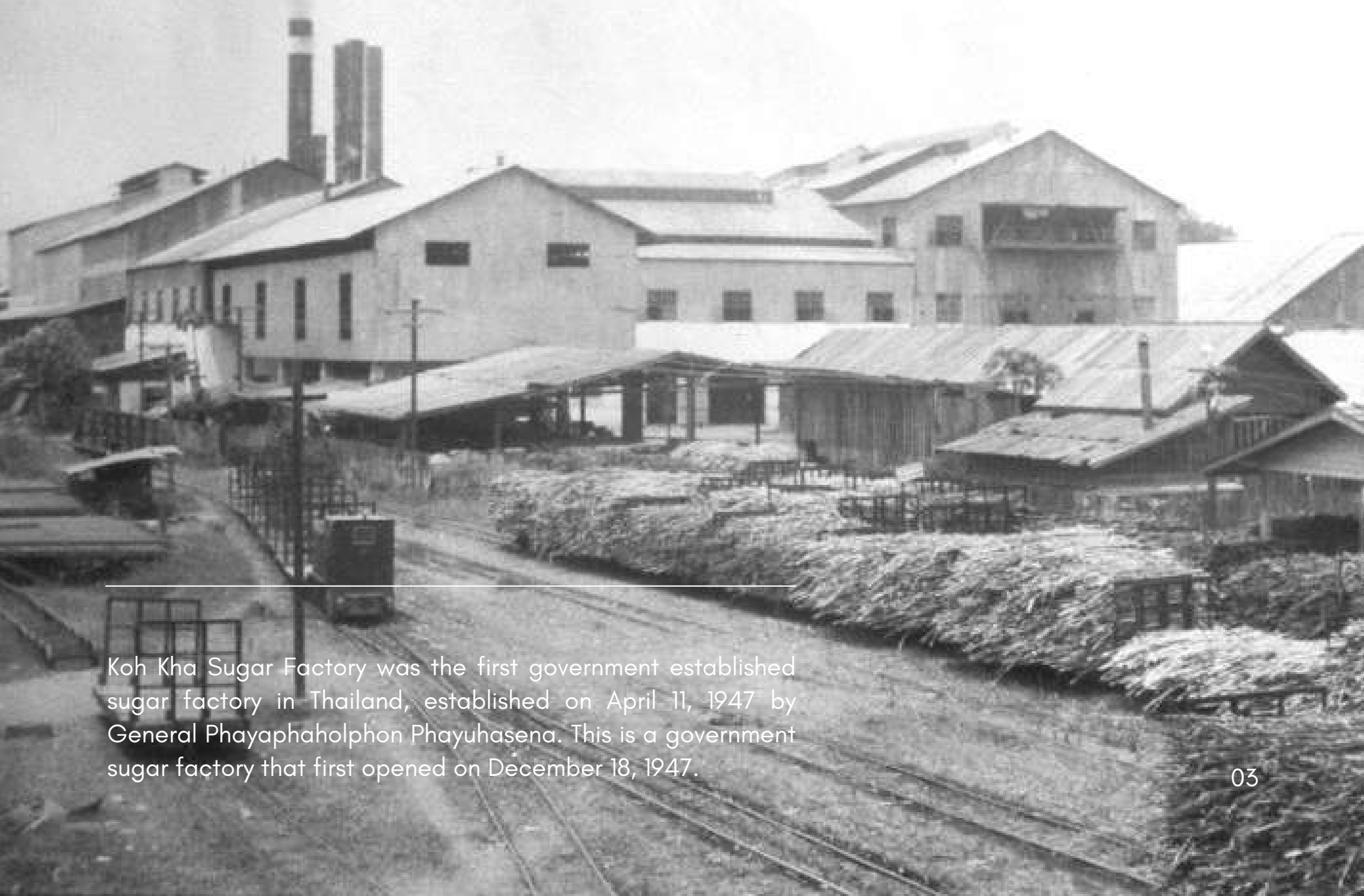


04

Freelance

01 : Koh Kha Sugar Factory, Lampang

2022-2023



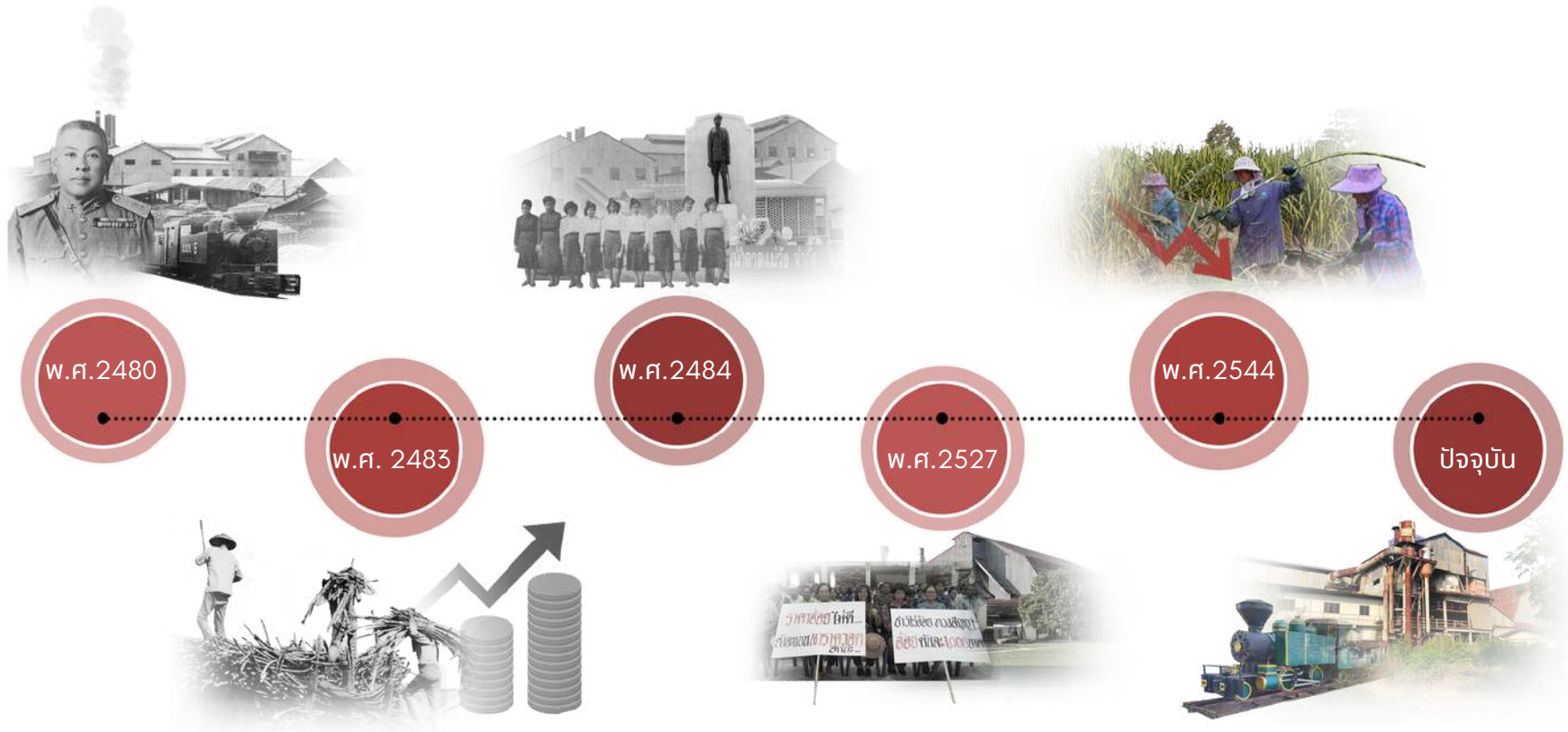
Koh Kha Sugar Factory was the first government established sugar factory in Thailand, established on April 11, 1947 by General Phayaphaholphon Phayuhasena. This is a government sugar factory that first opened on December 18, 1947.

Site History

2022-2023

Koh Kha Sugar Factory is the first sugar factory in Thailand established by the government, aged 86 years. The second Prime Minister of Thailand with the objective of establishing the factory is to reduce sugar purchases from abroad. And to create jobs and generate income for the people

04





Project Information

Category : Brownfield, Park
Area : 42 rais (67,200 sq.m.)

Advisor

Natthawadee Temeeyakul
Winyu Charoensantiphap

Site Location

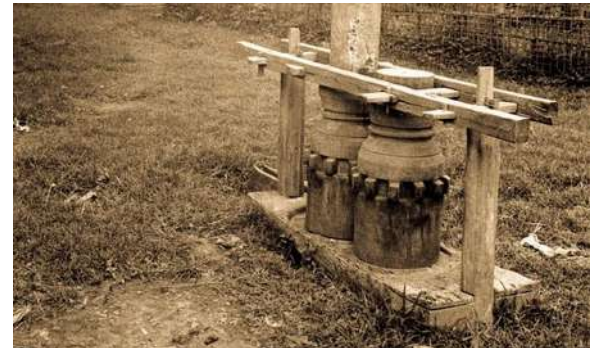
Ko Kha Sugar Factory area, Located next to Road 1034, the Main Road that cuts through the Front of the Project area. Surrounding the Project area are Communities, Educational institutions, Government offices. and the Project area has the History of the area The Original Building Style that can be restored to a useful use.

Past Activities

2022-2023

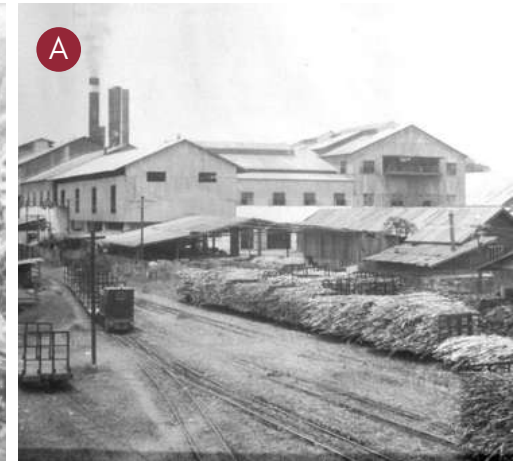
The Koh Kha Society before the Establishment of the Sugar Factory It is Characterized as an **Agricultural Society** whose main Occupation is Sugarcane Cultivation due to the Condition of the area in Ko Kha District. It is Characterized by sandy loam soil. And at that time there was no Modern white Sugar Factory. Thailand has to Purchase white Sugar from Abroad for Consumption. As a result, the government ordered Sugar Factories from Czechoslovakia. was established in Ko Kha District, Lampang Province in the year 1937

**"Agricultural
Society"**



Existing Planning

2022-2023

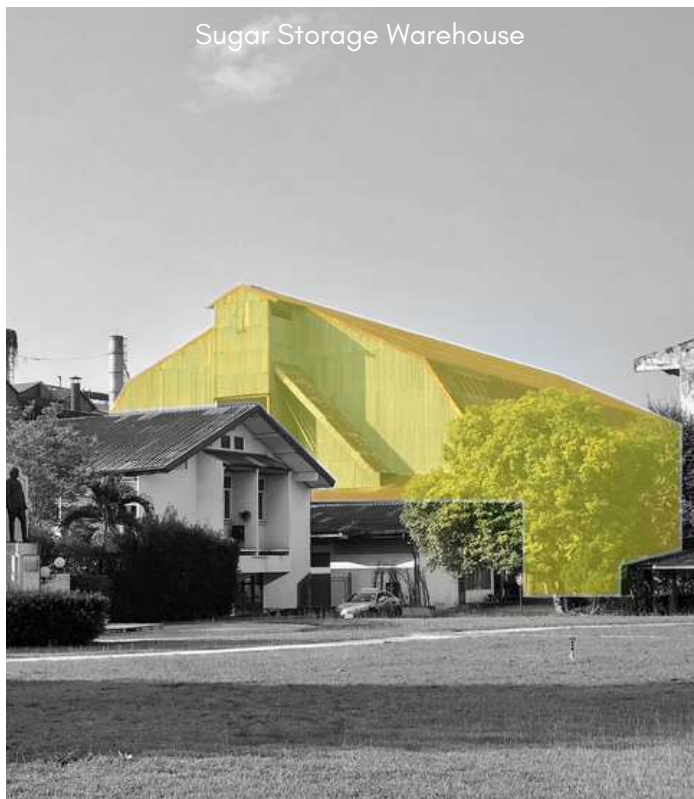


The layout of the area from the past to the present has a Grid style for convenience in sugar production within the factory. In addition, the location of the project area is adjacent to the 1034 road and there is a train route used to transport sugar cane into the project area. As a result, the project area has access and convenient transportation systems.

Site Potential

2022-2023

- A group of unique old buildings and a façade that represents the area of the first sugar factory in Thailand. It is suitable for building renovation and development of activities that meet the needs of surrounding communities.
- The wang river area can be easily accessed because There is a walkway along the river Suitable for making areas to connect communities on both sides
- The lawn area in front of the factory is suitable for creating a co-working space for school children. Due to contact with Koh kha kindergarten School



Site Problem

2022-2023

- The entrance to the project is in the curve of Road 1034, resulting in an accident for project users.
- Area contaminated with molasses or molasses result in BOD values in water in areas prone to wastewater if not properly treated.
- The project area suffers from wastewater quality problems caused by community activities, such as pouring contaminated water from cooking into natural water sources.
- Stall area obscures the view of the secondary entrance to the project The area lacks regulation and management.



Waste Water



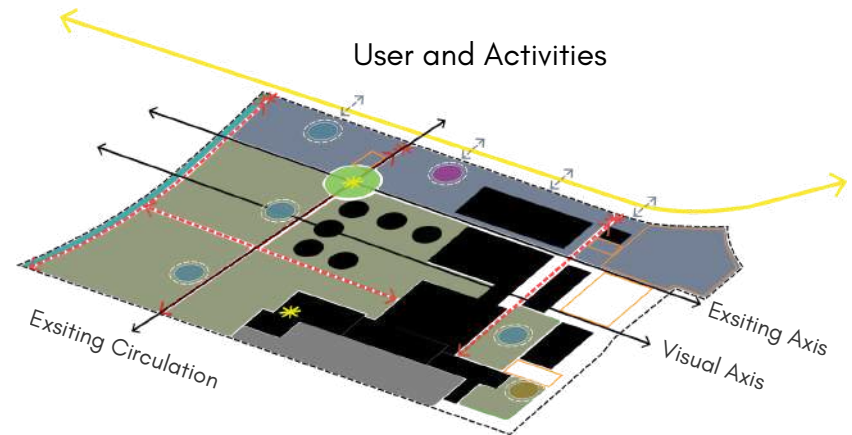
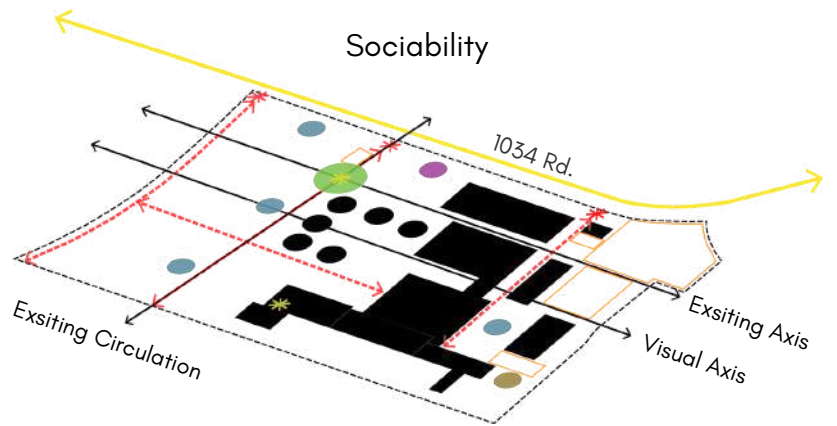
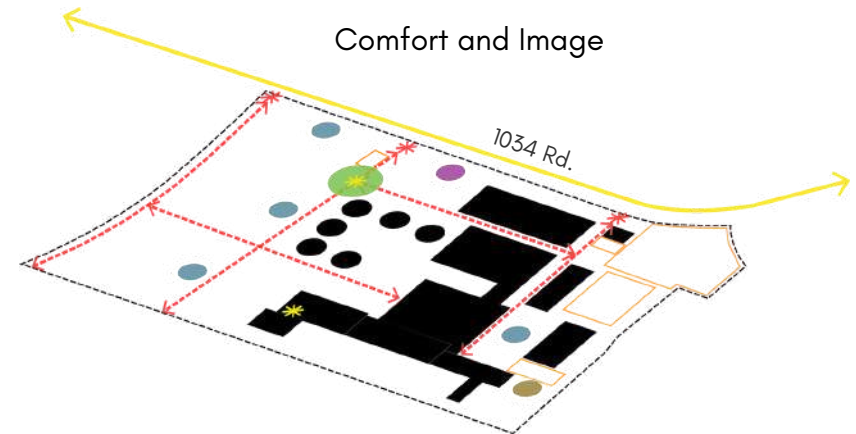
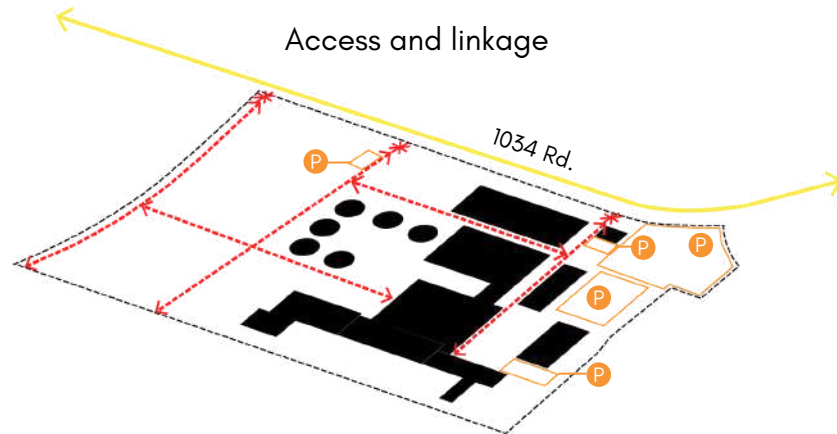
Molass Tank



Stall Area



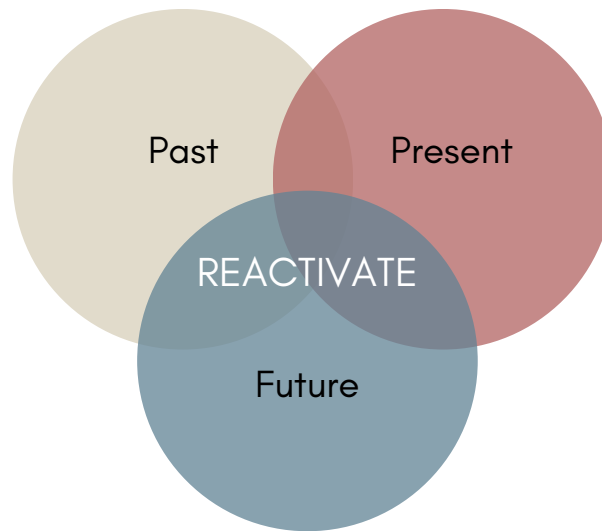
Main Entrance



"Placemaking"

The project area consists of medium density communities, markets, government offices and industrial factories. Therefore, site planning and activity design within the project area must interact with people through the application of the principle of "placemaking" Applied to spatial and activity design within the project area.

“THE REACTIVATE ALL TIME”



Koh Kha Sugar Factory It is very important to the Koh Kha community. Because it is a job creation area, generate income for Koh Kha communities in the past until closing After the establishment of the factory Prosperity began to come into the community such as hospitals, markets, but now the area is abandoned and not useful.

Thus leading to the concept of **“THE REACTIVATE ALL TIME”** to tell the story and uniqueness of the Ko Kha community through the Ko Kha Sugar Factory area from the past - present and in the future, with Reactivate as a linking story.



Ban Lao-Mae Pun
Community

1034 Rd.

TBL
Distribution
Center

Koh Kha Bridge

Exsiting Axis

Visual Axis

Wang River

Exsiting Circulation

0 10 20 50 100

SCALE 1:750

Community Zone

- 1 อุบลราชธานีสะพาน
- 2 สวนประวัติศาสตร์
- 3 อาคารเสริมรายได้ชุมชน
- 4 อาคารสโมสรชุมชน
- 5 สวนบำบัดผู้สูงอายุ
- 6 สนามเปตอง
- 7 อาคารกัญชาลำปาง
- 8 สนามหญ้าอเนกประสงค์
- 9 สนามเด็กเล่นชุมชน
- 10 อาคารห้องสมุดชุมชน
- 11 อาคาร Co-Working
- 12 ลานประดิษฐาน

Recreation Zone

- 13 Outdoor Gym
- 14 Amphitheater
- 15 Open Lawn
- 16 Promenade
- 17 แกรนด์โพลี
- 18 ลานน้ำพุ
- 19 จุดชมวิว
- 20 สนามหญ้าอเนกประสงค์
- 21 สนามฟุตบอล
- 22 สนามนาสเกตบอล
- 23 สนามแบดมินตัน
- 24 สนามตะกร้อ
- 25 อาคารพักผ่อน / ห้องน้ำ

Factory Zone

- 26 อาคารกีฬาในร่ม
- 27 Sugar Park
- 28 ลานประวัติศาสตร์
- 29 อาคารทรรววี
- 30 Wetland Playground
- 31 Playground A
- 32 Playground B
- 33 Pavilion
- 34 Molass Pavilion
- 35 Sugar Exhibition

Service Zone

- 36 บ่อนรักษาความปลอดภัย
- 37 ที่จอดรถยาน
- 38 Overflow Parking
- 39 ที่จอดรถยนต์
- 40 อาคารเก็บอุปกรณ
- 41 อาคารพักพนักงาน
- 42 อาคารเก็บขยะ
- 43 ที่จอดรถยนต์พ่วงค้า



Detail Zone A

1034 Rd.

Detail Zone B

Detail Zone C

Detail Zone D

Wang River

TBL
Distribution
Center

0 10 20 50 100

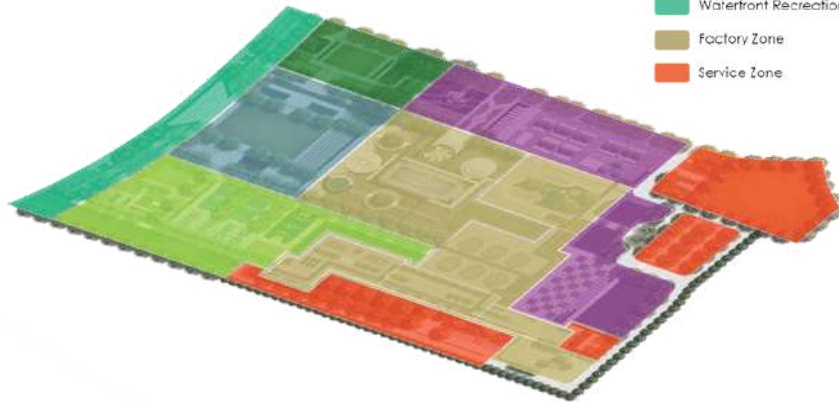
SCALE 1:750

System Plan

2022-2023

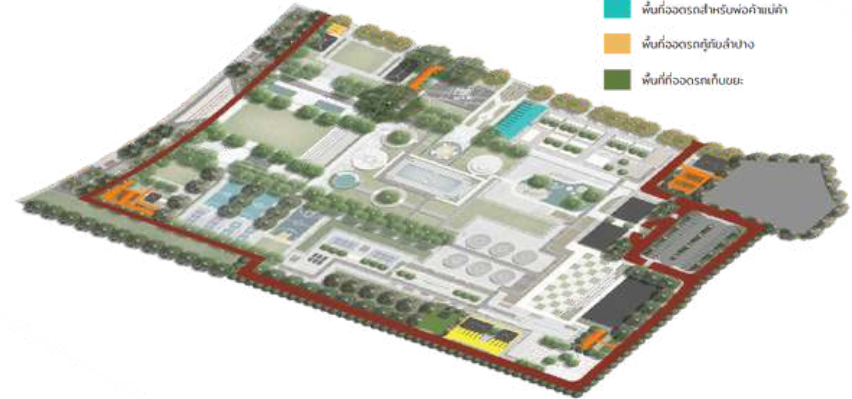
Zoning

- Community Zone
- Recreation Zone
- Recreation Passive Zone
- Recreation Active Zone
- Waterfront Recreation Zone
- Factory Zone
- Service Zone



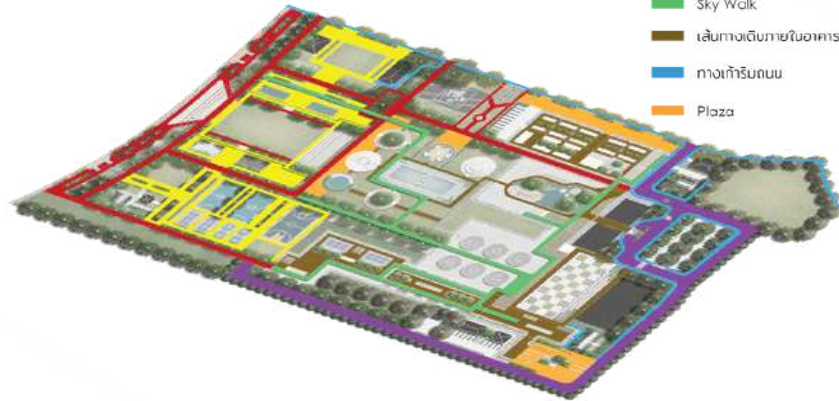
Service Circulation

- เส้นทางรถยนต์สี่ล้อระบบบริการ
- พื้นที่จอดรถยนต์พนักงานในโครงการ
- พื้นที่จอดรถจักรยานยนต์ / จักรยาน
- พื้นที่จอดรถยนต์
- พื้นที่จอดรถสำหรับพ่อค้าแม่ค้า
- พื้นที่จอดรถผู้รับส่งของ
- พื้นที่จอดรถแท็กซี่



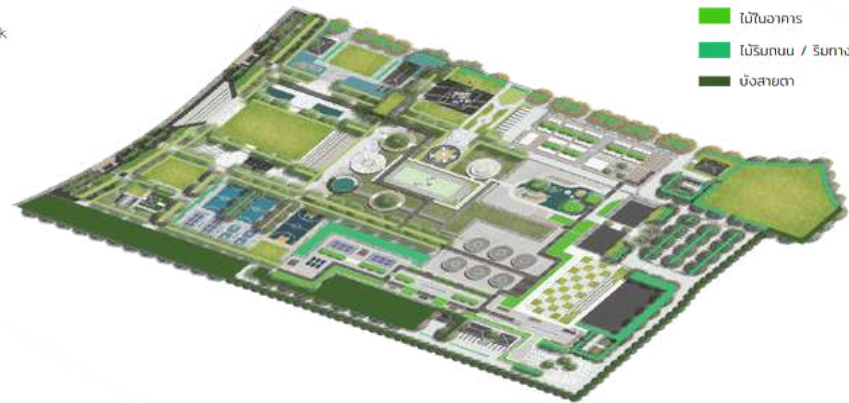
Circulation

- เส้นทางเดินหลัก
- เส้นทางเดินรอง
- ทางรถยนต์ ขนาด 6.00 M
- Sky Walk
- เส้นทางเดินภายในอาคาร BoardWalk
- ทางเท้ารับถนน
- Plaza



Planting

- พื้นที่พืชมักับัดน้ำ
- พืชสายตา เติบโตเร็ว
- ไม้สำหรับผู้สูงอายุ
- ไม้ร่มเงา
- ไม้ใบอาหาร
- ไม้รับถนน / รับทาง
- ไม้สายตา



Section

2022-2023





"Cone of Experiences "

Historical Park is a recreation area and a playground. Inspired by Area plan of the project in the past, in the past, the project area was used as the first mechanized sugar factory in Thailand. By transporting sugarcane and sugar Mainly transported by rail and ship. And applied to the **Cone of Experiences theory** as a playground area that creates fun. And promote learning about the history of the area

Detail Design B

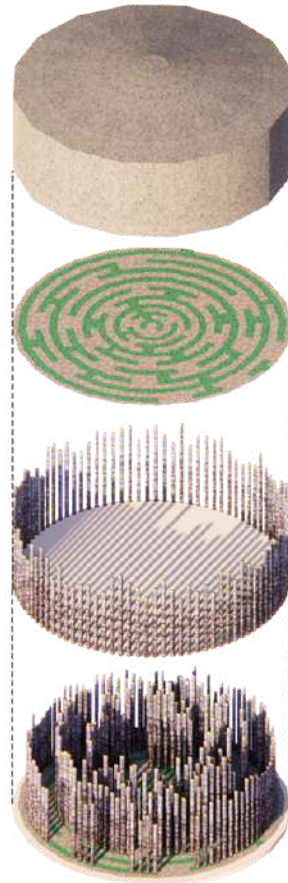
2022-2023



The molasses tank zone was originally a molasses storage area. There is an idea to improve the **playground** area with the use of sugar cane trunks and sugar palm trunks. As a material for sugar production to be arranged in a maze To provide users with knowledge about the materials used in the sugar production process.

"Playground"

Sugar Maze



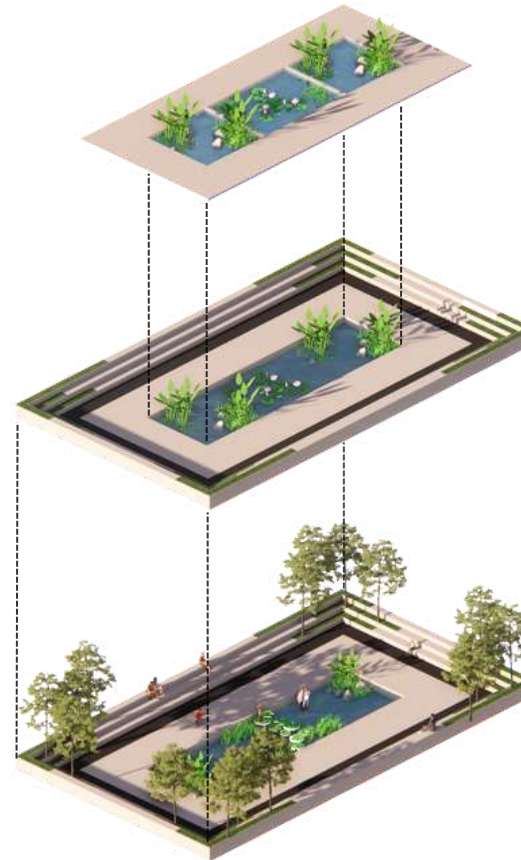
Do

90% Learning



See & Hear
30% Learning

Constructed Wetland



Say-Write

70% Learning



See & Hear
30% Learning

The Wetland Playground area used to be a stabilization pond. Stabilization Pond has a problem of polluted water. For this reason, the idea of improving the area to be a pond for **water recreation activities** is proposed. By inserting the concept Local wastewater treatment with the use of aquatic plants to treat wastewater mixed with aquatic recreational activities



"Visual Axis"

Open Lawn for relaxing or doing recreational activities together such as yoga, aerobics, picnics, running, sitting and relaxing. The design of plants in the area is chosen. **Tree species that focus on the axis**



Tabebuia argentea Britt.



Terminalia ivorensis Chev.

Historical Plaza's design concept is to renovate the railroad tracks used for transporting sugarcane in the past. It is an area for gathering people to sit and relax by combining railroad traces with landscape work, for example, using the concept of **Bioswale** to support rainwater to be designed to match traces of railroad tracks in the past, or using Planter for planting trees to integrate with railroad traces.

"Bioswale"

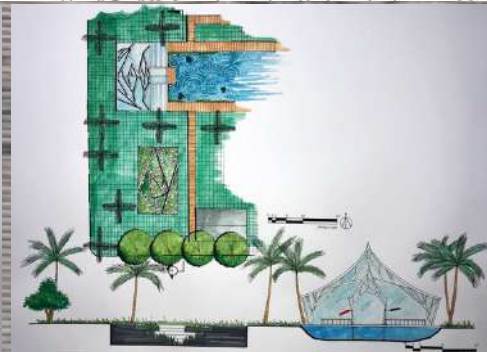
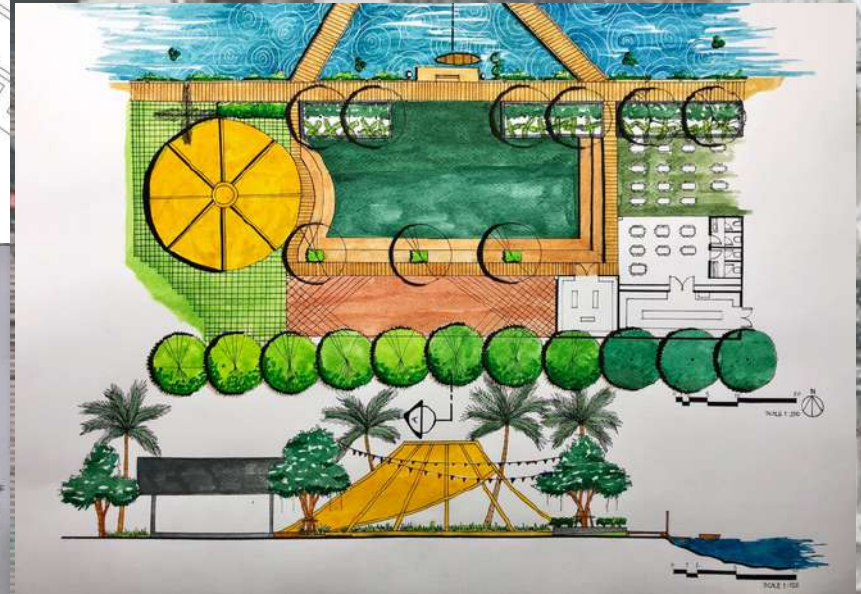
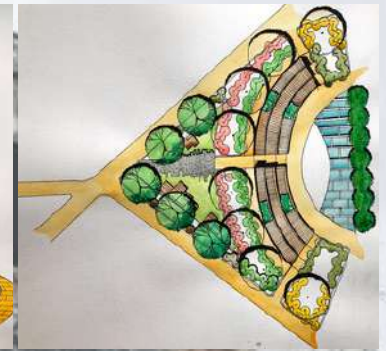
02 : Internship at Redland-scape.Ltd.

Internship during the 3rd year in the Design Development position, responsible for a site inspection of condominium projects, developing designs to be able to actually build, selecting hardscape materials, preliminary appraisal of government projects.



03 : Hand Work

2021



Project Information

Category : Park and Recreation
Area : 10.63 rais (17,008 sq.m.)

Advisor

Associate Professor Pawin Sirisali

Project Information

Advisor

Category : Zen Garden
Area : 900 sq.m.

Associate Professor Supanut Dejnirattisai

Decorate the Atmosphere in the Middle of the Old Library Building,
Thammasat University Rangsit Campus





"Characteristics of Nature"

It is a garden that imitates the characteristics of nature in a limited space. Such as creating a representation of Mount Fuji, and the surrounding greenery, such as mountains and hills, hill garden landscaping provides a variety of sensory dimensions than other styles.



Zen gardens, also known as dry gardens or rock gardens, are based on the concept of meditative solitude. It's an imaginary garden. Or hypothetical Hidden with abstract philosophical Therefore, it emphasizes simplicity and calm more than other styles. Emphasis on interpretation of things seen and touched. It has a dry landscape style.

"Peace and Solitude"

Thank you