



ELDERLY CARE CENTER

@ BUNDUNG ,UDON THANI PROVINCE, THAILAND.



Country / City BANGKOK THAILAND
University / School KASETSART UNIVERSITY , BANGKHEN , BANGKOK , THAILAND
Academic year 2020 THIRD YEAR
Title of the project ELDERLY CARE CENTER
Authors SURACHAI INTA

TECHNICAL DOSSIER

Title of the project ELDERLY CARE CENTER
Authors SURACHAI INTA
Title of the course LANDSCAPE ARCHITECTURE III (3RD YEAR)
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FACULTY OF ARCHITECTURE
University/School KASETSART UNIVERSITY., BANGKHEN., BANGKOK., THAILAND



Written statement, short description of the project in English, no more than 250 words

Ban Dung Elderly Care Center is located in Udon Thani province, Thailand. This project provides medical services particularly to elders and shares common green space for local people in Ban Dung district. The design concept is inspired by the cultural landscape and the way of life of Isan, the Northeastern region of Thailand. The elderly people in Thailand always say, "I want to die where I was born" because they want to spend their last period of their lives where they could remind of their childhood memories such as their old-time places, way of life, and local environment. These things will ease and comfort their minds and especially make them feel happy. The design extracted the cultural landscape of Udon Thani to create scenic landscape vista and spaces for the elderly to experience and feel familiar and relax while they are in this health care facility. Furthermore, the center also offers common green space for local people to spend their leisure time strolling and running on walking tracts, playing on various types sport fields, besides it provides vocational training area for the local to master their skills and sale their goods. The design of this place aims to engage local people with the familiar atmosphere and activities provided, thinks thoroughly and tailor made spaces for the local to feel tranquil with leaving no one behind.

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CLIMATE CHANGE AGAIN

11th International Biennial Landscape Barcelona

Barcelona September 2020
SCHOOL PRIZE

ELDERLY CARE CENTER @ BUNDUNG, UDON THANI PROVINCE, THAILAND.



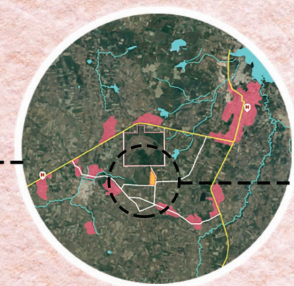
SITE ANALYSIS



UDON THANI
UDON THANI IS A PROVINCE LOCALTED IN THE NORTH-EASTERN PART OF THAILAND. THE AREA IS QUITE ARID. THERE ARE MANY AGRICULTURE.

- 1 LARGE OPEN SPACE, VERY HOT, WITHOUT SHADE FROM TREES.
- 2 SMALL OPEN SPACE, VERY HOT, WITH FEW TREES, ATTACHED TO WATERWAY.
- 3 SMALL FORESTED AREA, SLIGHTLY SUNNY, GET SHADE FROM TREES, ATTACHED TO WATERWAY.
- 4 LARGE WOODED AREA, SLIGHTLY SUNNY, OBTAINING SHADE FROM TREES, HAVING ORIGINAL VEGETATION.

BUNDUNG MACRO MICRO



TRAVEL TIME FROM THE HOSPITAL 15-20 MINUTES.

SURROUNDING VIEW



USER ANALYSIS



MASTER PLAN

LEGEND

- 1 ACCIDENT & EMERGENCY DEPARTMENT
- 2 OPERATING DEPARTMENT
- 3 HEMODIALYSIS & PHYSIOTHERAPY DEPARTMENT
- 4 IPD DEPARTMENT
- 5 IPD SPECIAL DEPARTMENT
- 6 PHYSICAL THERAPY DEPARTMENT
- 7 PATIENT WAITING COURTYARD
- 8 POOL THERAPY
- 9 MULTI-PURPOSE BUILDING
- 10 CAFETERIA
- 11 AGRICULTURAL DEMONSTRATION PLOT
- 12 MULTI-PURPOSE COURTYARD
- 13 FOOTBALL FIELD & RUNNING TRACK
- 14 TAKRAW COURT
- 15 BASKETBALL COURT
- 16 PETANQUE COURT
- 17 CONVENIENCE STORE
- 18 PARKING
- 19 KITCHEN DEPARTMENT
- 20 LAUNDRY DEPARTMENT
- 21 LAUNDRY DEPARTMENT
- 22 MAINTENANCE DEPARTMENT
- 23 DELIVERY PARKING
- 24 WATER TREATMENT POND & NURSERY
- 25 CIVIL SERVANT HOUSING
- 26 PHYSICIAN HOUSING
- 27 NURSE DORMITORY
- 28 SUPPORT STAFF DORMITORY
- 29 DORMITORY PARKING
- 30 NATURE WALK TRAIL
- 31 RED LOTUS POND
- 32 THERAPY GARDEN
- 33 LAWN FOR PHYSIOTHERAPY
- 34 VOCATIONAL LEARNING CENTER
- 35 COMMUNITY ACTIVITIES YARD
- 36 REPLACEMENT PLANTS & ARTIFICIAL RICE FIELD
- 37 WATERFRONT PAVILION



The nature walk trail is full of local trees and therefore keeps the people in the community to relax, learn and be a habitat for local animals.

Football field border is an amphitheater. And 4 pavilions for watching sporting events. Some days, the area around the football field will be organized as an outdoor market, allowing people in the community to make money.

This area has vegetable gardens, orchards, nursery, red lotus ponds and rice fields. Rice fields will use other crops instead of rice, because rice is high maintenance. And to increase product variety. Some products will be sent to the hospital kitchen. Another part is sent to the Vocational Learning Center in case of processing.

Design buildings to be grouped together. There is an area waiting for patients in the middle between the buildings. There is a convenience store, a hard-scaped area, pavilion beside the red lotus pond, and a healing garden. To support activities and therapy of the elderly. Every area is connected by cover walk way for convenience of service.



CONCEPT DIAGRAM.



UDON THANI.

CULTURAL LANDSCAPE IN UDON THANI.



RED LOTUS LAKE.



THAI STYLE HOUSE.



RICE FIELDS & AGRICULTURE.

ELEMENTS.



WOODEN DECK FOR RELAXING.



VOCATIONAL LEARNING CENTER.



ARTIFICIAL RICE FIELD.

ACTIVITY.



RED LOTUS POND FOR RELAXING, WATCHING VIEW AND TREATING.



PEOPLE IN THE COMMUNITY CAN COME TO LEARN ABOUT HANDICRAFT PROCESSING OR GATHER TO RELAX. THIS AREA DESIGNED LIKE A THAI HOUSE - IT ALLOWING THE SERVANTS TO FEEL RELAXED.



AGRICULTURAL DEMONSTRATION AREA BY USING OTHER PLANTS INSTEAD OF RICE BECAUSE RICE DIFFICULT TO HIGH MAINTENANCE. HERE, THE PLANTS CHANGE ACCORDING TO THE SEASON, RESULTING IN YIELDS VARIETY AND A GOOD VIEW.



SEASON DIAGRAM

REPLACEMENT PLANTS & ARTIFICIAL RICE FIELD.

SUMMER

MAR - MAY



PEANUTS BRING TO BE PROCESSED PRODUCTS FOR SALE



RED-WHISKERED BULBUL ANNUAL BIRD SOUND CONTEST.



ROSELLE BRING TO BE PROCESSED PRODUCTS FOR SALE

END RAINY SEASON

SEP - OCT



MILLET (PHASE LATER)



PAVILION

ARTIFICIAL RICE FIELD & REPLACEMENT PLANTS PEOPLE IN THE COMMUNITY CAN WALK ON THE EARTHEN DYKE TO SEE VIEW

RAINY SEASON

JUN - AUG



SWEET CORN BRING TO BE PROCESSED PRODUCTS FOR SALE

SOIL POND FOR RAINWATER USE TO AGRICULTURAL



MILLET (FIRST PHASE)



SUNHEMP BRING TO BE PROCESSED PRODUCTS FOR SALE



MILLET (FINAL LATER)



DOMESTIC FOWL ANNUAL BEAUTIFUL CHICKEN CONTEST

ZONING DIAGRAM

- 1 HOSPITAL AND HEALTH ZONE
- 2 SPORT ZONE
- 3 SERVICE ZONE
- 4 PERSONAL HOUSING ZONE
- 5 GARDEN ZONE / PARK ZONE / NATURE ZONE / THERAPY ZONE / VOCATIONAL TRAINING CENTER ZONE



CIRCULATION



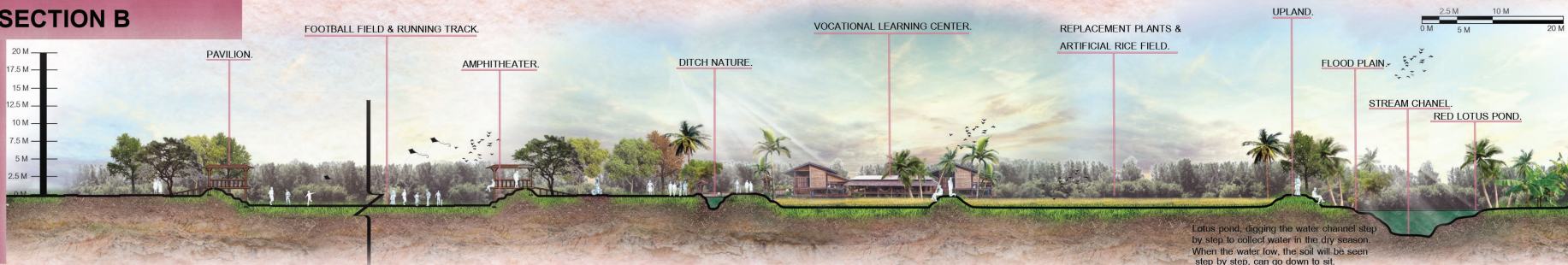
KEY PLAN



SECTION A

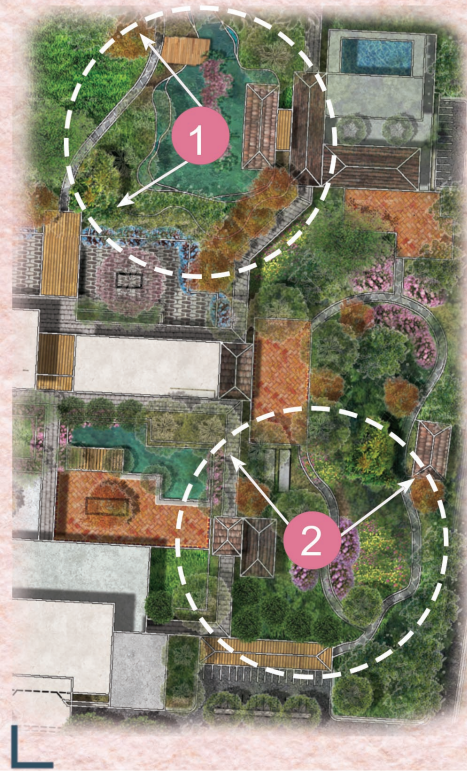


SECTION B



Lotus pond, digging the water channel step by step to collect water in the dry season. When the water low, the soil will be seen step by step, can go down to sit.

DETAIL A PERSPECTIVE 1-2



PAVILION BESIDE RED - LOTUS POND.



THERAPY GARDEN.



DETAIL B PERSPECTIVE 3-4



VOCATIONAL LEARNING CENTER.



COMMUNITY ACTIVITIES YARD. (ANNUAL BEAUTIFUL CHICKEN CONTEST.)

