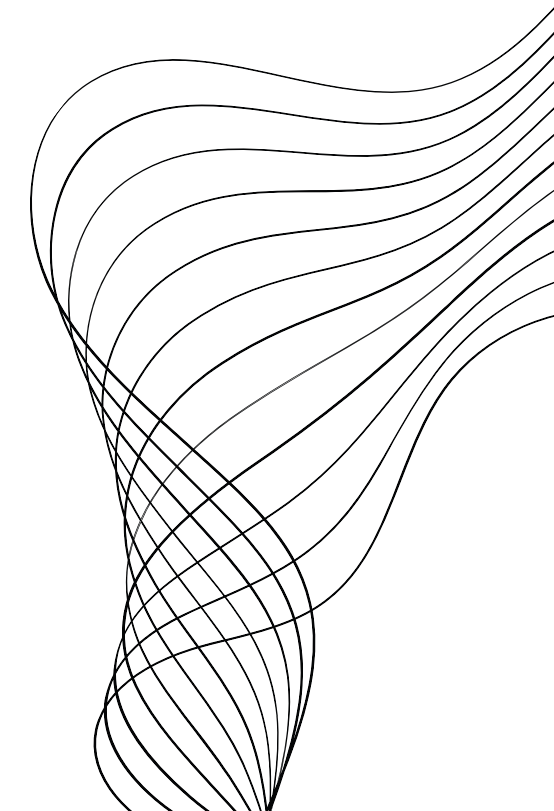


**SEM 4 PROJECT 2**

**ROYAL TOWN, MUAR**

**BY KOK MING HUI**



# GROUP PROJECT

## MUAR : REVIVING THE "REGENERATING" PULSE

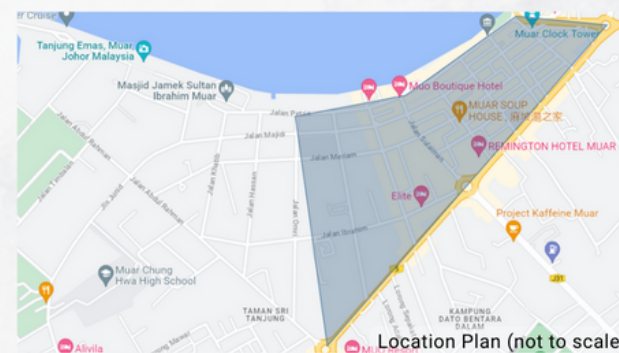
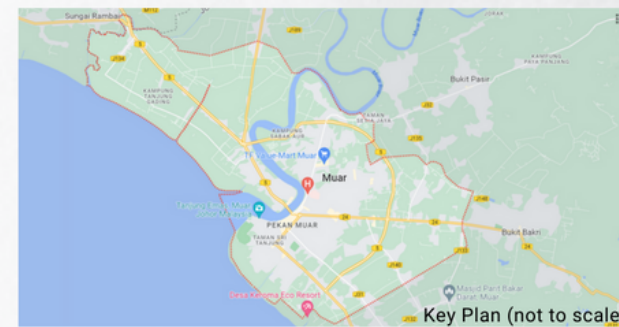
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### SITE BACKGROUND, SYNTHESIS & SWOT

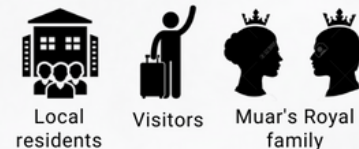
#### SITE BACKGROUND



Muar is a **district in Johor, Malaysia**. It was previously known as **Bandar Maharani**. The name was given by **Sultan Abu Bakar in 1884**. It was named the **Royal Town** by **His Majesty Sultan Ibrahim Ibni Almarhum Sultan Iskandar** on **24 November 2012**, in conjunction with the **Johor ruler's birthday celebrations**. The town was **planned by Dato Rahman Salleh Perang**, one of the prominent Malay officers during the sovereignty of **Sir Sultan Abu Bakar** and is the **fourth largest urban area** after **Johor Bahru, Batu Pahat and Kluang** in Johor.



#### TARGET USERS



#### HERITAGE

- S** A rich and unique history of the Muar is preserved in the existing architecture
- W** Lack of historical buildings' maintenance
- O** Enhance cultural activities by proposing **heritage educational corner** and **cultural lane**
- T** **Vandalisms issue** on heritage buildings and hardscapes



#### SOCIO-ECONOMY

- S** Flexible **accessibility** and **permeability**
- W** Lack of **active recreational activities area** provided
- O** Propose **local recreational activity areas** that can enhance heritage values and generate income
- T** Too many vehicles make the place **crowded** and **congested**, **lack of pedestrian crossing** and **no specific lane for pedestrian and cyclist**



#### ENVIRONMENT

- S** The **vegetations** are rich in **heritage and cultural value**
- W** **Lack of greenery** in the commercial area such as **street planting, pocket green space**
- O** **Propose more green areas** to lower the temperature, purifies air and give benefits to the public and local habitat
- T** **Flooding issue** affects the safety of local residents.

#### SYNTHESIS MAP

##### HERITAGE URBAN FACILITIES

Enhance the **robustness** in certain areas by proposing more **bus stops, shelters, multi-storey parking, seating areas, pedestrian crossing, bicycle trail and parking, and local activities area**

##### HERITAGE CONSERVATION

Promote **adaptive reuse concept** for abandoned heritage buildings to other functional places and preserve **cultural lanes** and **markets** in order to preserve the **heritage personalization value**

##### FLOOD PROTECTION

Propose **flood protection barrier** along the riverfront to block the overflow of water that cause **flooding issue**

##### UTILIZING MUAR RIVER

Increase **visual appropriateness** to create cultural aesthetic view by **propose more water activities and tourism**



##### ROYAL IDENTITY

Enhance the **richness** of royal identity in Muar commercial area by proposing **mural backlane history** of **Sultan Johor** and more **royal gateway** to educate the public and raise awareness about the **value of royal heritage**

##### SUSTAINABLE DESIGN

Create more sustainable design on existing structures such as **green wall and rooftop garden**, create more **pocket garden** as well as **increase more vegetation species** that can **improve the habitat surroundings** and **reflect royalness**

##### UNIVERSAL DESIGN

Enhance **universal design facilities** such as **ramp, specific tactile** to accommodate blind people, **special signages** that can assist way findings for person with disabled, and more **legible cultural lane** that give awareness about **autism**

##### CONNECTIVITY

Create more **accessible** and **continuous pedestrian walkway** and **cycling path** that infused with specific pavements' colors and patterns to **increase the urban permeability**

Prepared by Farah Adibah (B22BE0283), Farhana (A21BE0066), Kok Ming Hui (A21BE0373), Maisyarah (A21BE0139), Mohamad Alif (A21BE0144), Nuraima Hani (A21BE0258)

# MUAR : REVIVING THE "REGENERATING" PULSE

## DESIGN PROCESS

### INTRODUCTION

Muar, the only modern Royal Town in Malaysia, is currently facing urban development that continue to erode the value of royalness in the town. By reviving the "regenerating" pulse, we aim to improve the local environment through **protecting the royal heritage, enhancing the walking and cycling route, providing new green spaces** and more universal design facilities.



### AIM

To create a modern royal heritage city by **regenerating the town** in order to **revitalize the identity of Muar**.

### OBJECTIVES

- 01** To enhance the visual character of the modern royal heritage
- 02** To create cultural diversity hub
- 03** To improve the sense of royalty

### DESIGN STRATEGIES



#### ROYAL HERITAGE CHARACTERISTIC

Restore and strengthen the royal heritage characteristic by:

- Improving the space and place function
- Utilizing Muar river as the source for socio-economic activities
- To achieve cultural aesthetic value

#### CULTURAL DIVERSITY SETTING

Generate a cultural diversity setting in Muar by:

- Integrating cultural street and market
- Enhancing universal design facilities surrounding markets and streets
- To improve socio-economic activities
- To minimize the effect of ethnic enclave

#### HERITAGE NATIVE SPECIES

Increase the number of heritage native species of flora by:

- Creating more urban green spaces
- Using heritage flora species that attract biodiversity
- To increase the sense of royalty
- To achieve human thermal comfort



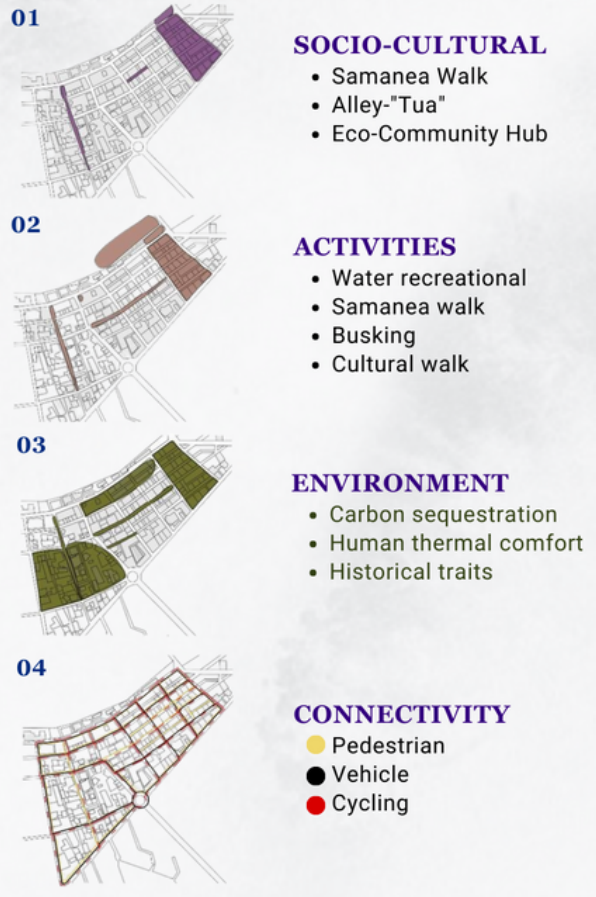
### SUSTAINABLE DEVELOPMENT GOALS



### ISSUES

- 01** Alteration of heritage resources
- 02** Ethnic enclave
- 03** Lack of green spaces

### FUNCTIONAL DIAGRAMS



### CONCEPTUAL PLAN



Prepared by Farah Adibah (B22BE0283), Farhana (A21BE0066), Kok Ming Hui (A21BE0373), Maisyarah (A21BE0139), Mohamad Alif (A21BE0144), Nuraima Hani (A21BE0258)

# MUAR : REVIVING THE "REGENERATING" PULSE

## DESIGN PROCESS

### SCHEMATIC PLAN



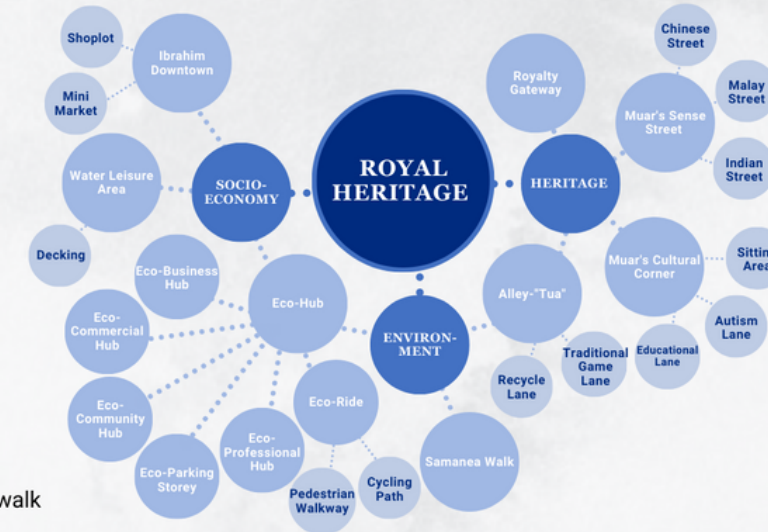
- LEGEND**
- ..... Pedestrian pathway
  - - - Vehicular pathway
  - Cycling pathway
  - Trees and greenery
  - Royalty Gateway
1. Muar's Sense Street
  2. Muar's Cultural Corner
  3. Samanea Walk
  4. Water Leisure Area
  5. Eco-Ride
  6. Eco-Parking Storey
  7. Alley-"Tua"
  8. Eco-Community Hub
  9. Eco-Commercial Hub
  10. Ibrahim Downtown
  11. Government Centre
  12. Eco-Professional Hub
  13. Eco-Business Hub
  14. Royal Boundary

### ICONS

- SPACES**
- Gathering area
  - Exhibition
  - Government centre
  - Eco-area
  - Shophouses
  - Chinese association
  - Bicycle parking area
  - Eco-parking
  - Indian cultural area
  - Chinese cultural area
  - Malay cultural area

- ACTIVITIES**
- Kayaking
  - Jet ski
  - River cruise
  - Strolling
  - Painting
  - Musician
  - Samanea walk
  - Cycling

### SPACE PROGRAMMING



### SOFTSCAPE PALETTE



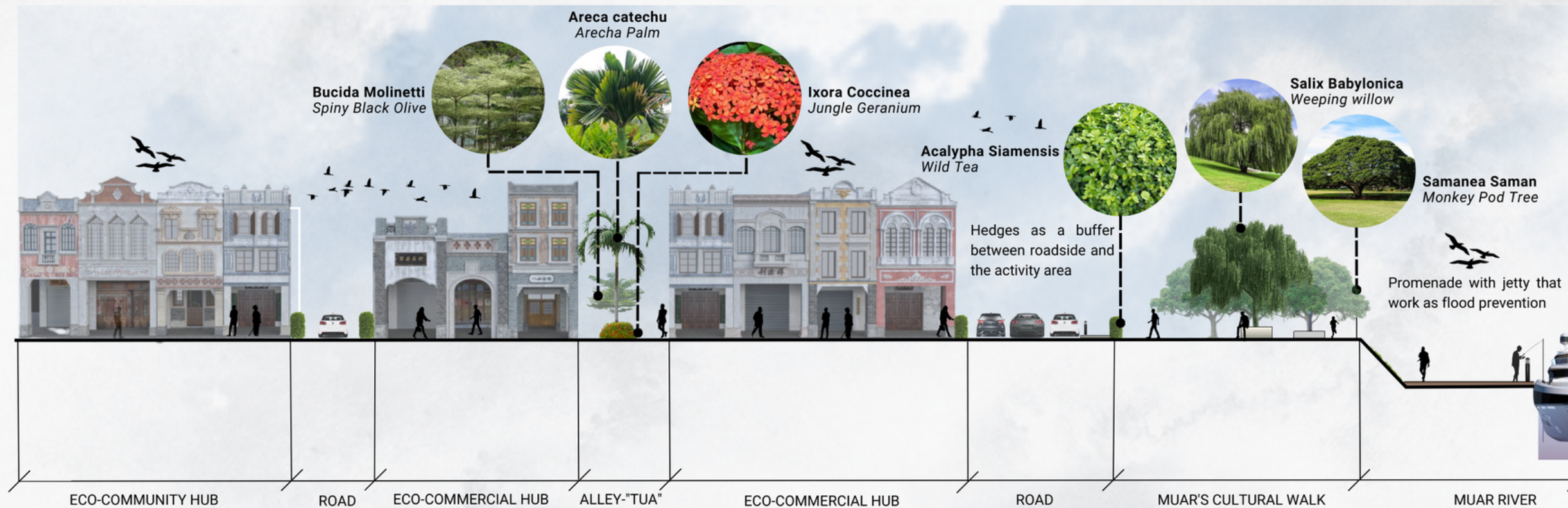
### HARDSCAPE PALETTE



Prepared by Farah Adibah (B22BE0283), Farhana (A21BE0066), Kok Ming Hui (A21BE0373), Maisyarah (A21BE0139), Mohamad Alif (A21BE0144), Nuraima Hani (A21BE0258)

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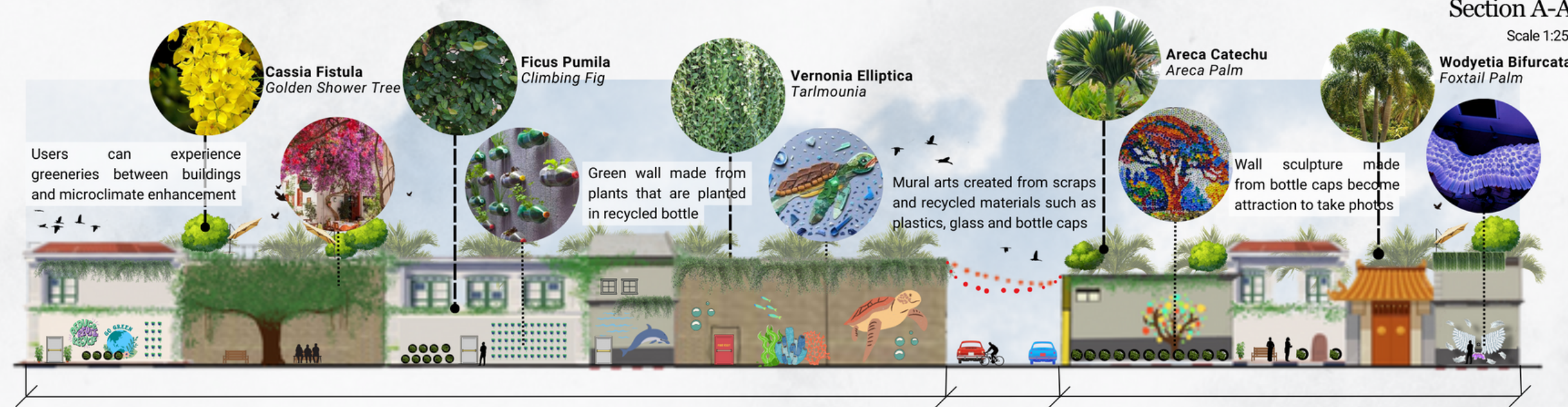
## DESIGN PROCESS



ECO-COMMUNITY HUB ROAD ECO-COMMERCIAL HUB ALLEY-'TUA' ECO-COMMERCIAL HUB ROAD MUAR'S CULTURAL WALK MUAR RIVER

Section A-A'

Scale 1:250



ALLEY 'TUA'-RECYCLED ROAD ALLEY 'TUA'-RECYCLED

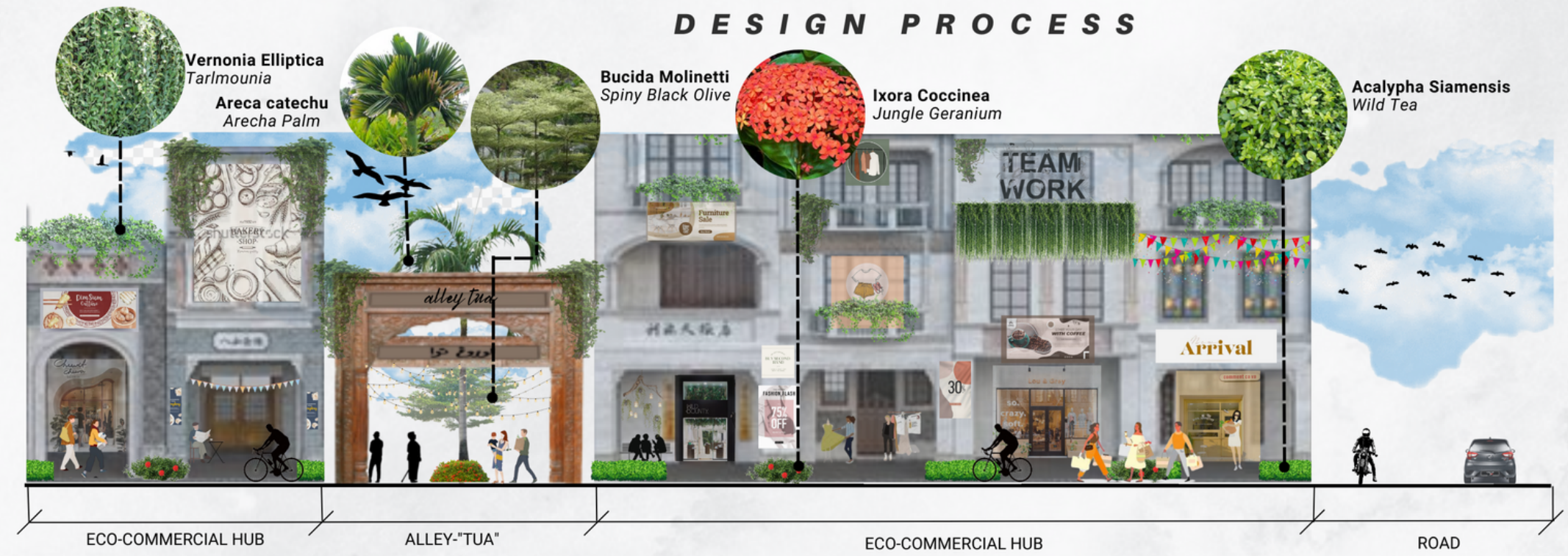
Section B-B'

Scale 1:250

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# MUAR : REVIVING THE "REGENERATING" PULSE

## DESIGN PROCESS



Alley Tua produces an area that shows the traditional games of each races.



The excitement of the Muar's Cultural Walk shows the royalty of that area.



The fusion between eco and heritage design bring out the street facade.



Colorful vibes presented by Chinese Culture segment at the Muar Street



Outstanding creativeness of Muar community shown through this Recycled Alley



Prepared by Farah Adibah (B22BE0283) , Farhana (A21BE0066) , Kok Ming Hui (A21BE0373) , Maisyarah (A21BE0139) , Mohamad Alif (A21BE0144) , Nuraima Hani (A21BE0258)