

SEM 4 PROJECT 2

ROYAL TOWN, MUAR

BY KOK MING HUI

GROUP PROJECT

MUAR : REVIVING THE "REGENERATING" PULSE

01

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

FLOOD PROTECTION

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

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

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

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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 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



FUNCTIONAL DIAGRAMS

01



SOCIO-CULTURAL

- Samanea Walk
- Alley-Tua
- Eco-Community Hub

02



ACTIVITIES

- Water recreational
- Samanea walk
- Busking
- Cultural walk

03



ENVIRONMENT

- Carbon sequestration
- Human thermal comfort
- Historical traits

04



CONNECTIVITY

- Pedestrian
- Vehicle
- Cycling

SUSTAINABLE DEVELOPMENT GOALS



ISSUES

01

Alteration of heritage resources

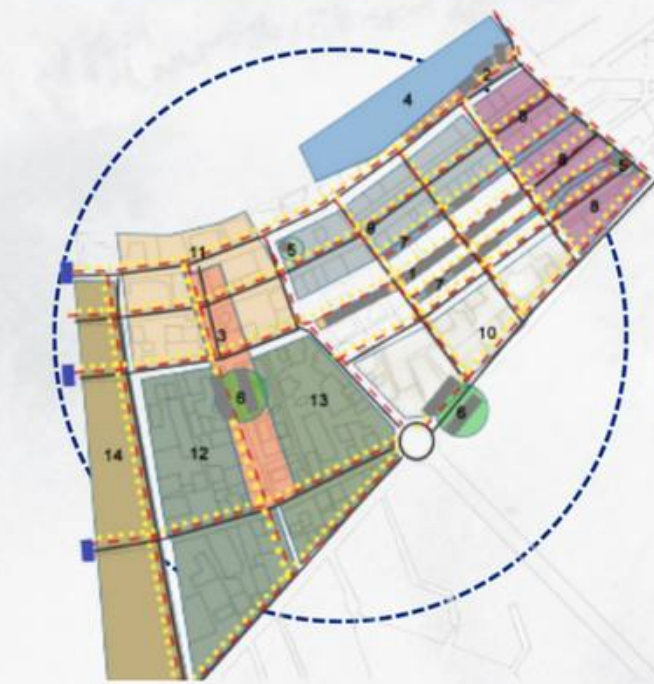
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Ethnic enclave

03

Lack of green spaces

CONCEPTUAL PLAN



- 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

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DESIGN PROCESS

SCHEMATIC PLAN



ICONS

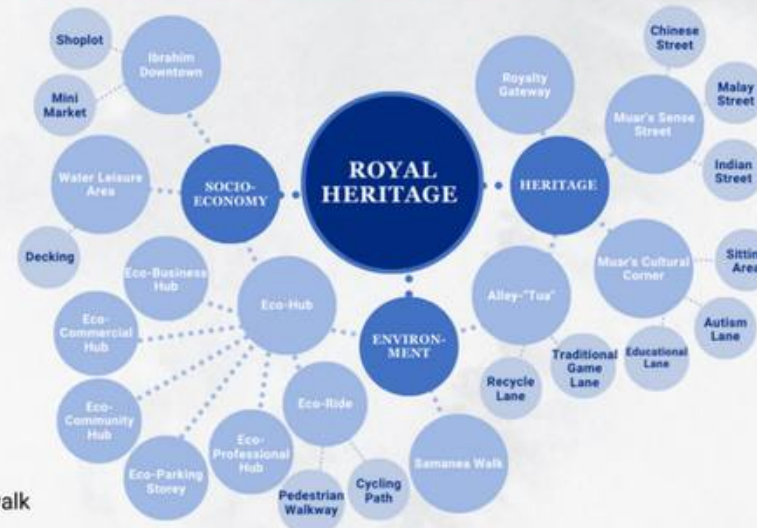
SPACES

- 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



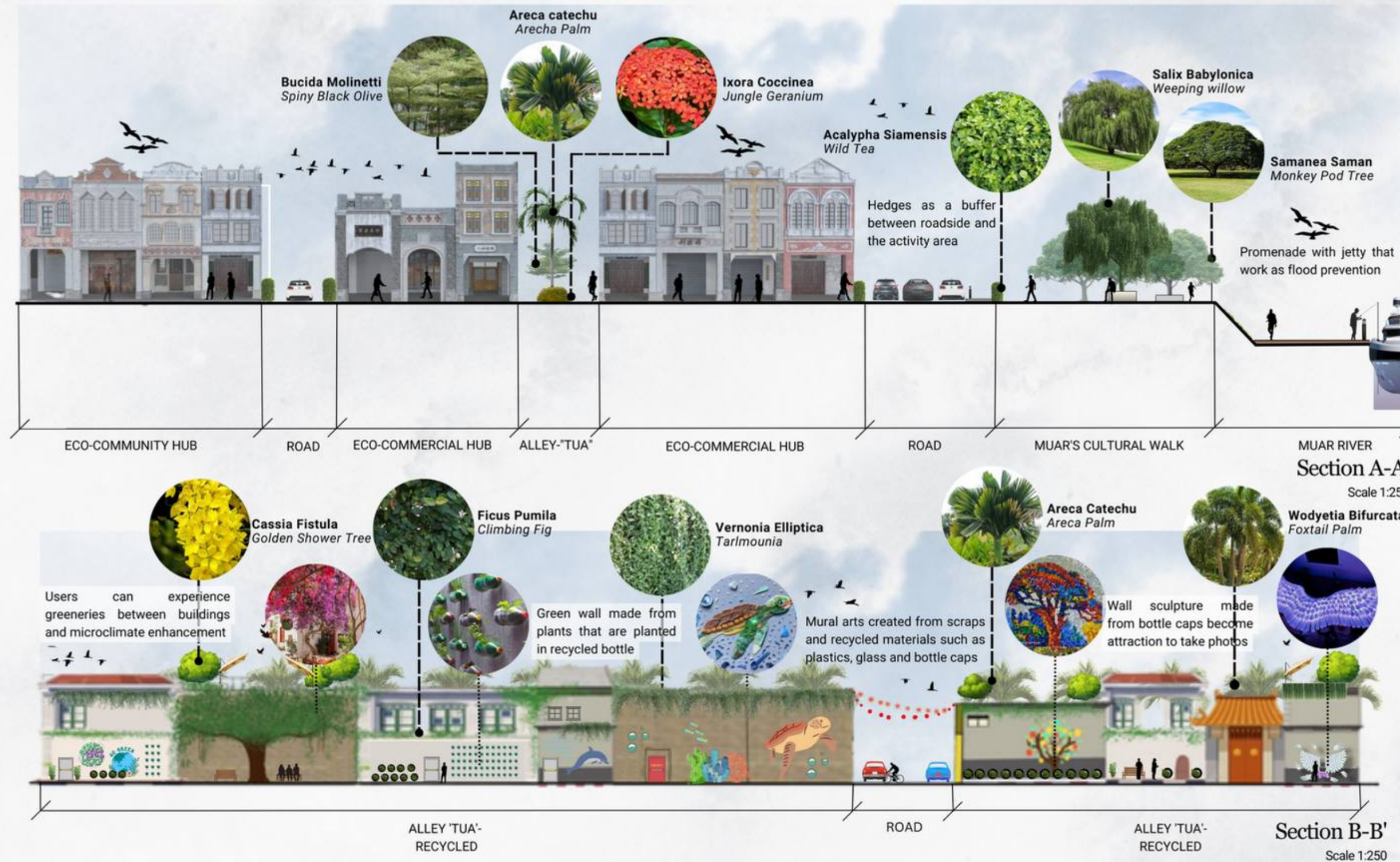
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DESIGN PROCESS



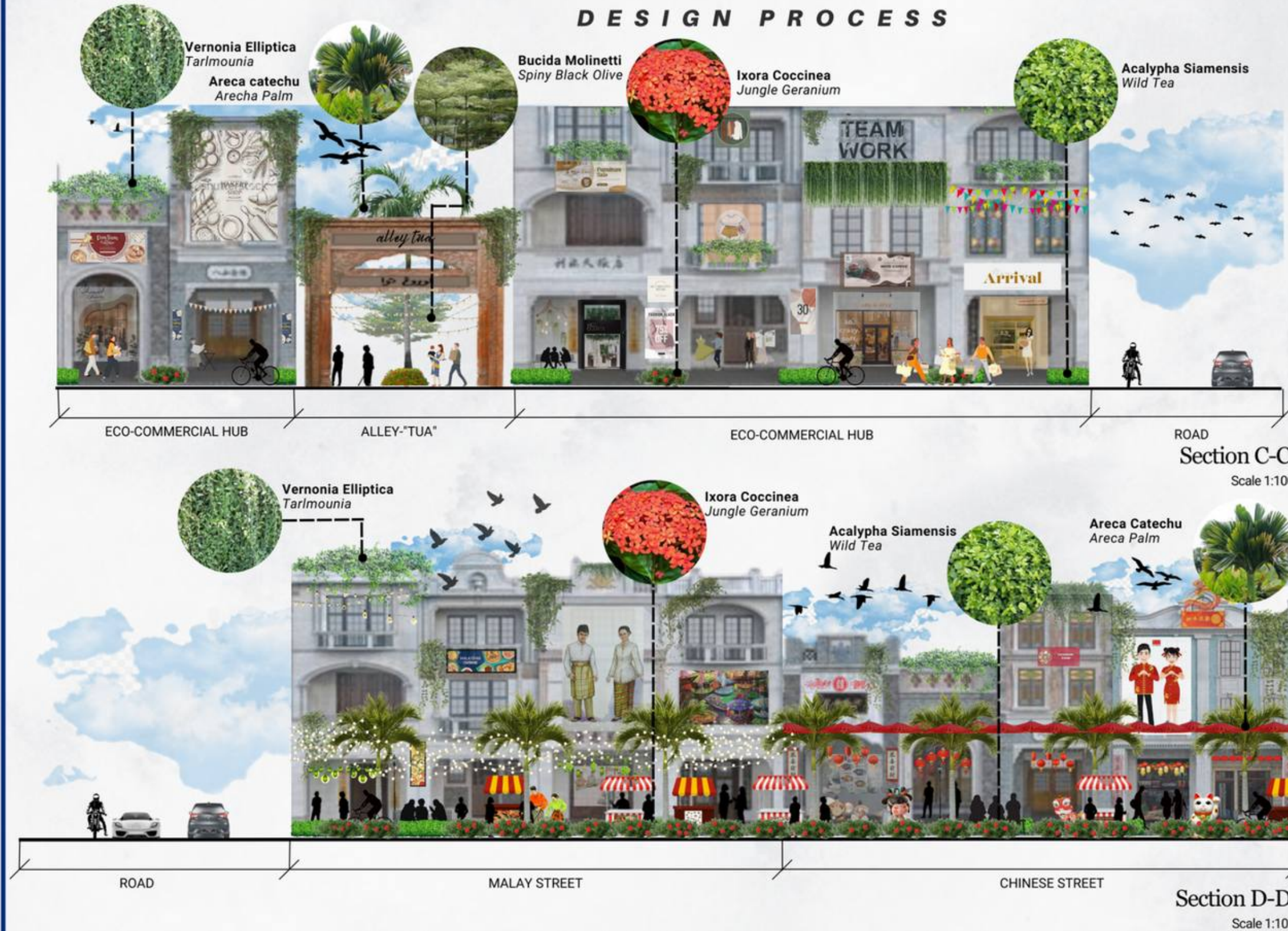
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DESIGN PROCESS

05



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

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