

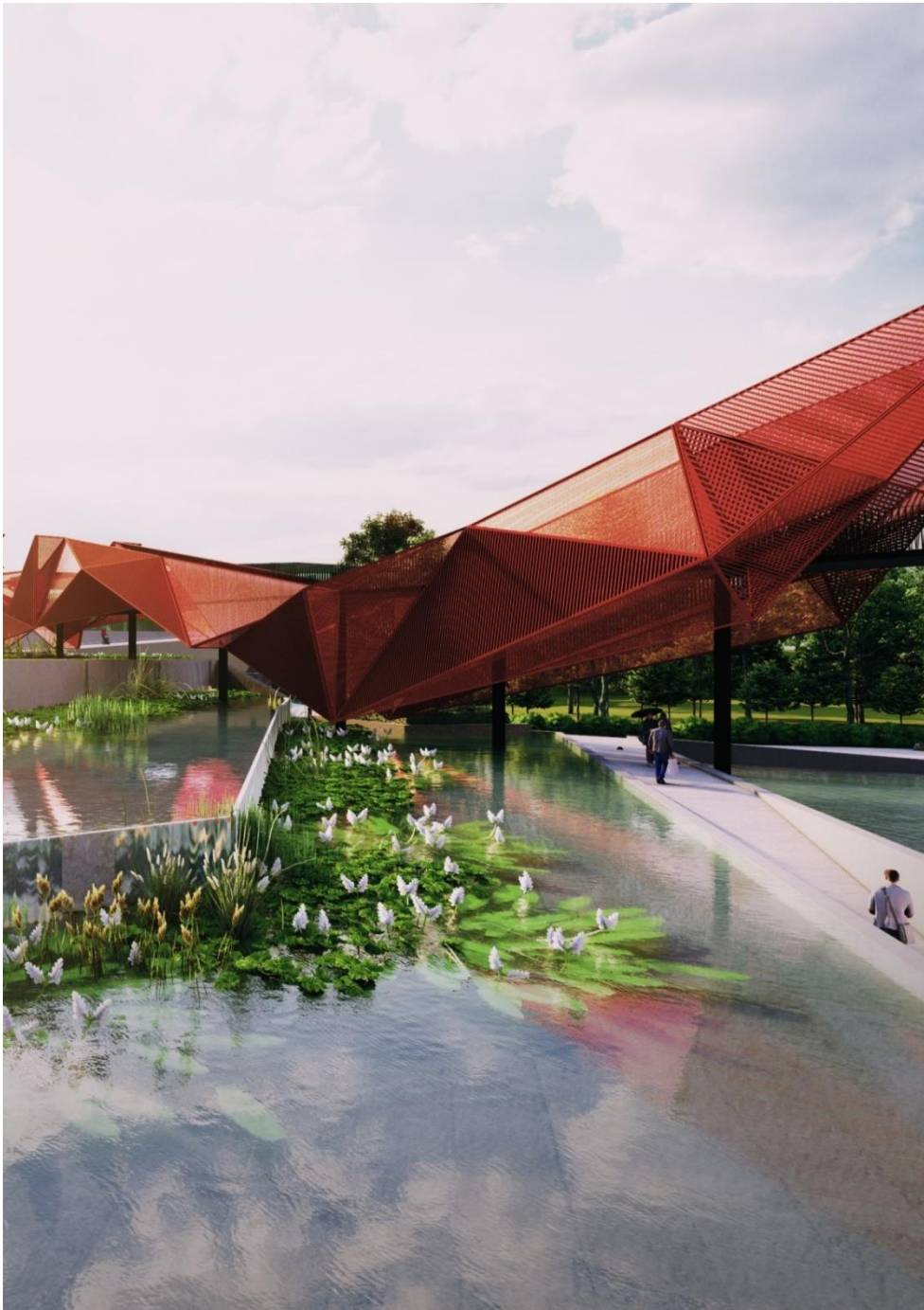


International Federation of Landscape Architects

THE PLACEMAKING OF
ELMINA URBAN PARK, ELMINA
WEST, SHAH ALAM, SELANGOR

AAPME AWARDS 2024

Project STATEMENT



The Evolution of **Elmina Urban Park** reflects the transformation of central park into welcoming, vibrant, and reflective of the community's needs and desires through thoughtful design and inclusion of various amenities and activities. The **35-acre Urban Park** presents a **harmonious blend with nature, featuring rivers and waterways** within a serene setting. The affirmation of the park into a place that fosters a sense of community, encourages social interaction through designated plaza, and meets the recreational needs of its users by providing event space, café, open field, play structure for more interactive activities. Pathways and diverse spaces make the expansive park easily accessible and appealing. The main road connections passing through the park are beautifully landscaped, accommodating various modes of transportation and reflecting the project's quality and aspirations. By considering the local context and engaging the community in the planning process, placemaking helps create a park that becomes a valued and integral part of the township.

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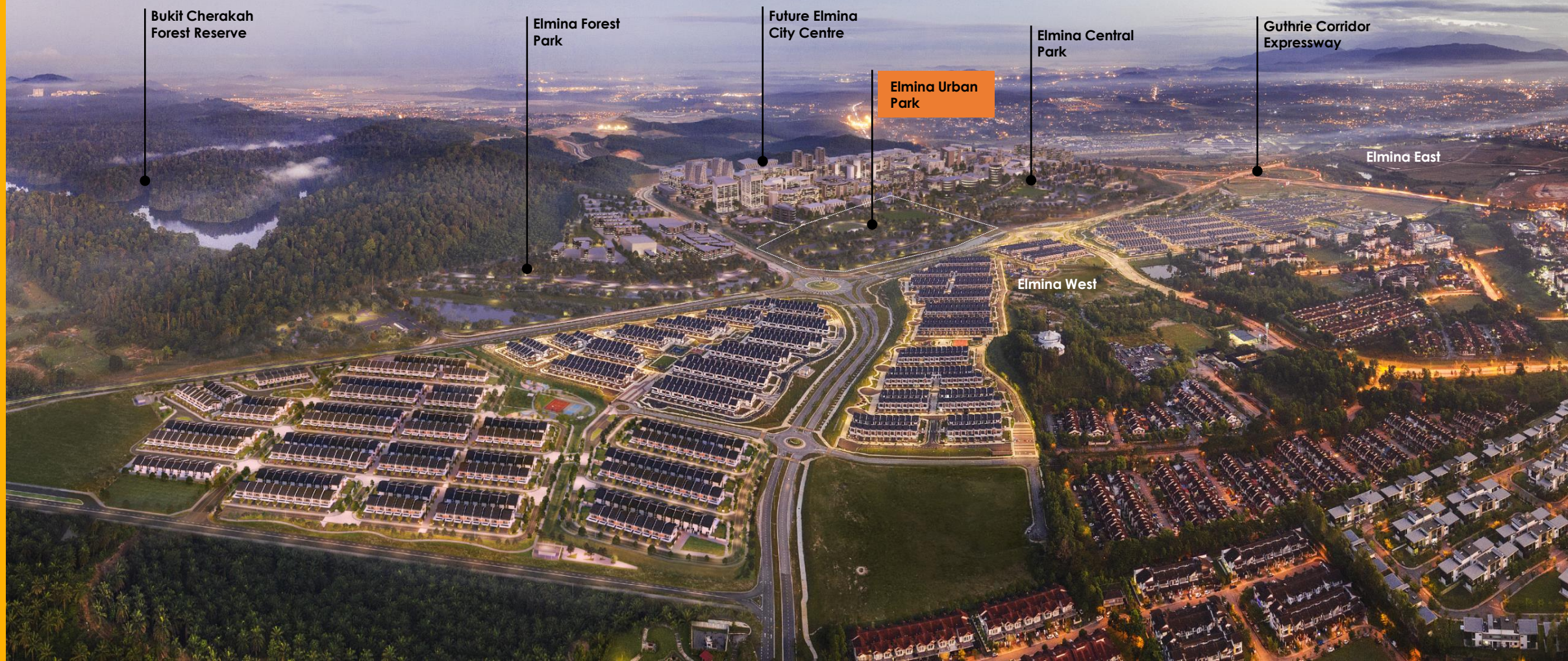
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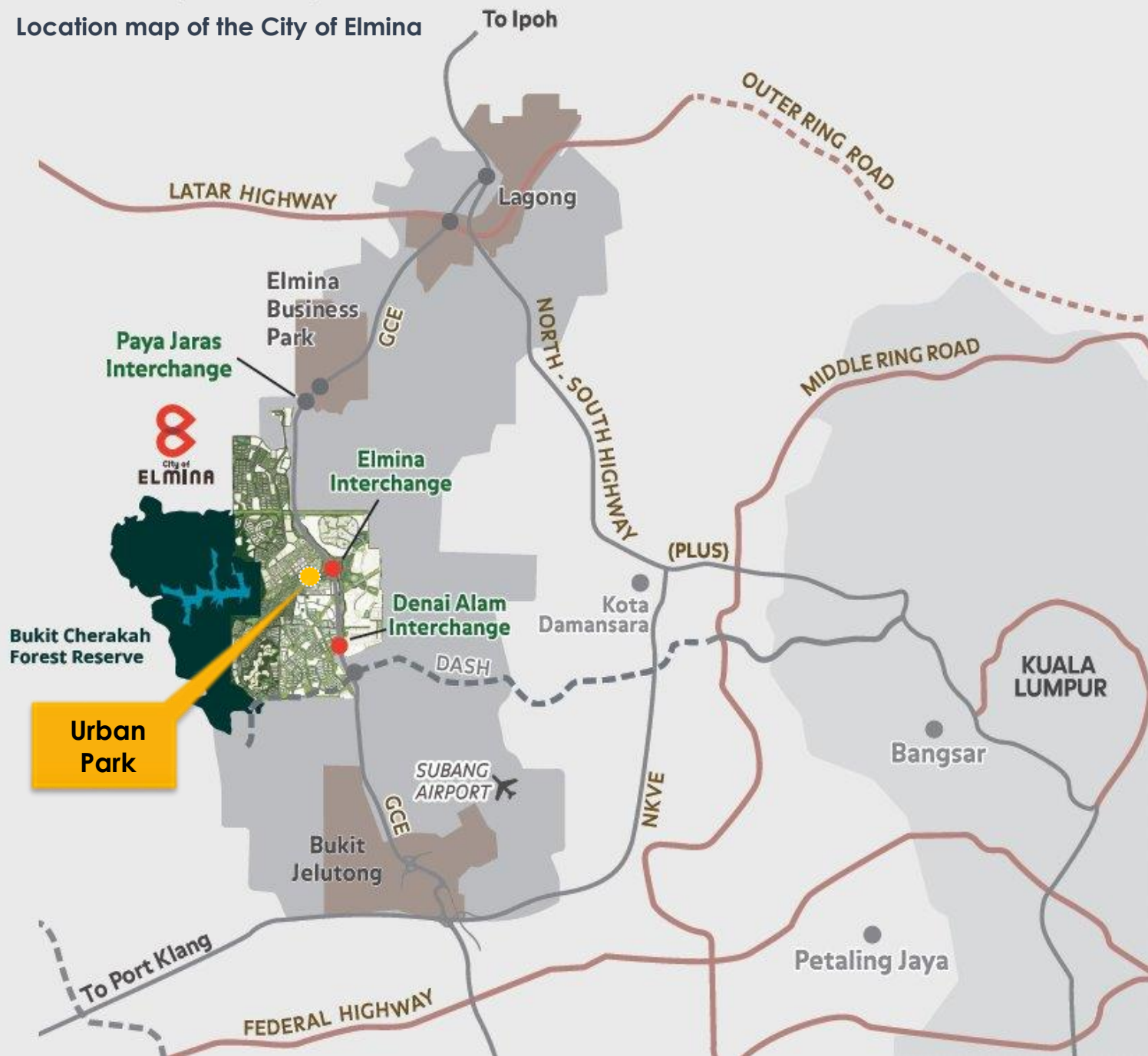


The City of Elmina is a 5,000-acre freehold integrated township, located along the Guthrie Corridor Expressway in Shah Alam. Paying homage to its plantation heritage, the City of Elmina was envisioned to be Malaysia's first wellness-oriented township. Its masterplan was crafted based on 8 holistic pillars of wellness and was developed in line with international liveability standards of the Mercer's Quality of Living Survey. With an estimated gross development value of RM22.6bil, the City of Elmina has created a new benchmark for liveable cities in Malaysia, and will continue to drive economic success and social growth within the region.



Location map of the City of Elmina

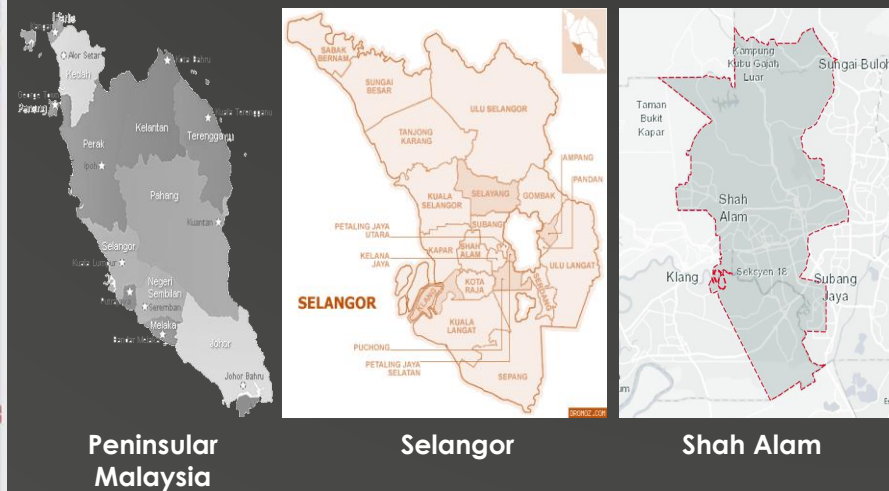
Location map of the City of Elmina



CITY OF ELMINA, SHAH ALAM

Located in Shah Alam, The City of Elmina spans 5,000 acres of freehold land that straddles the Guthrie Corridor Expressway. The township is nestled next to a **2,700-acre green lung** – the Bukit Cherakah Forest Reserve, and is approximately **20km west of Kuala Lumpur** and 8km north of Bukit Jelutong.

The City of Elmina **is part of a larger conurbation of cities along the Guthrie Corridor** which includes Elmina Business Park and the future township of Lagong. It is an **integration of** four separate townships – **Elmina West, Elmina East, Bukit Subang and Denai Alam**, into a single, cohesive and complementary urban network.

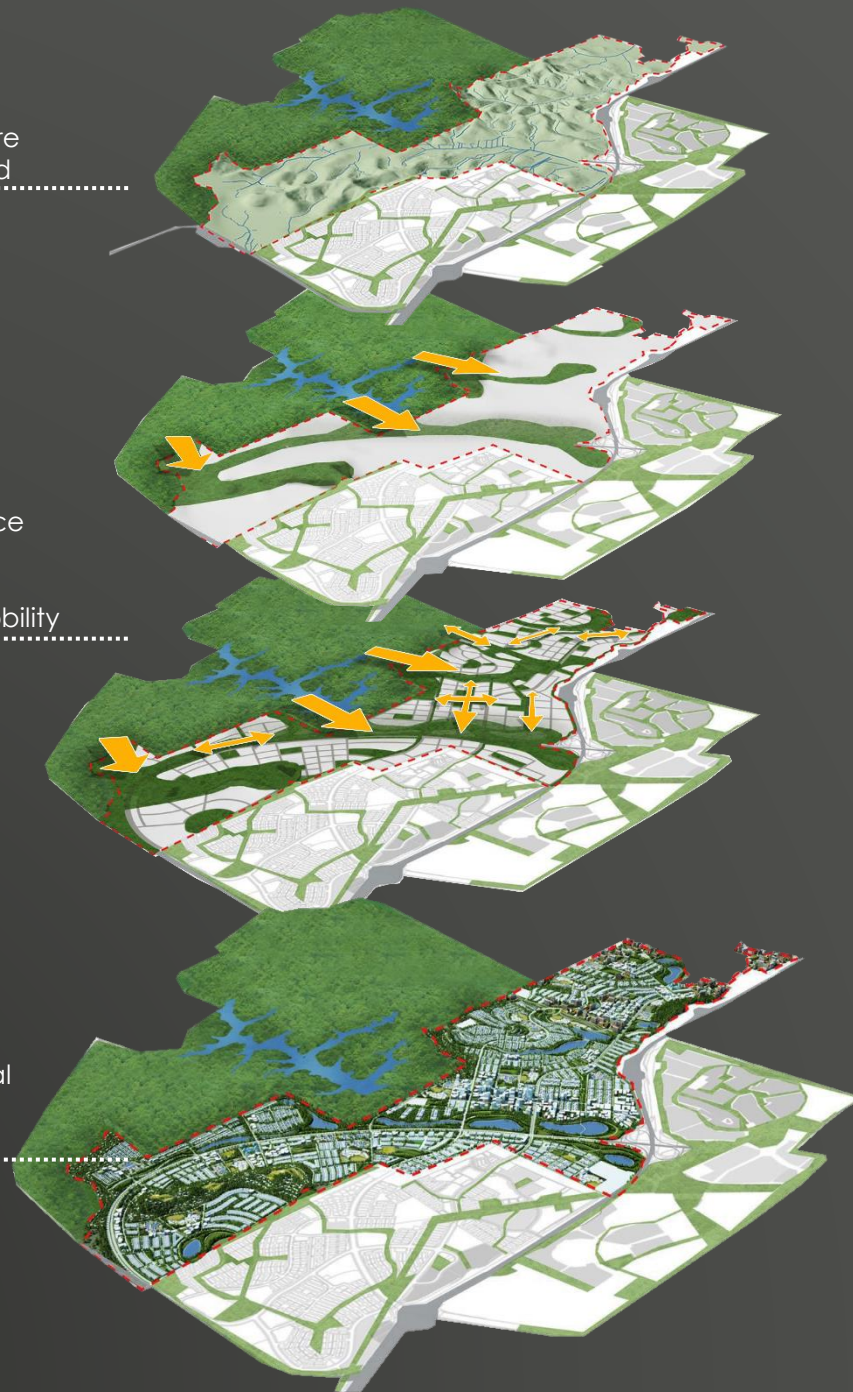


backGROUND

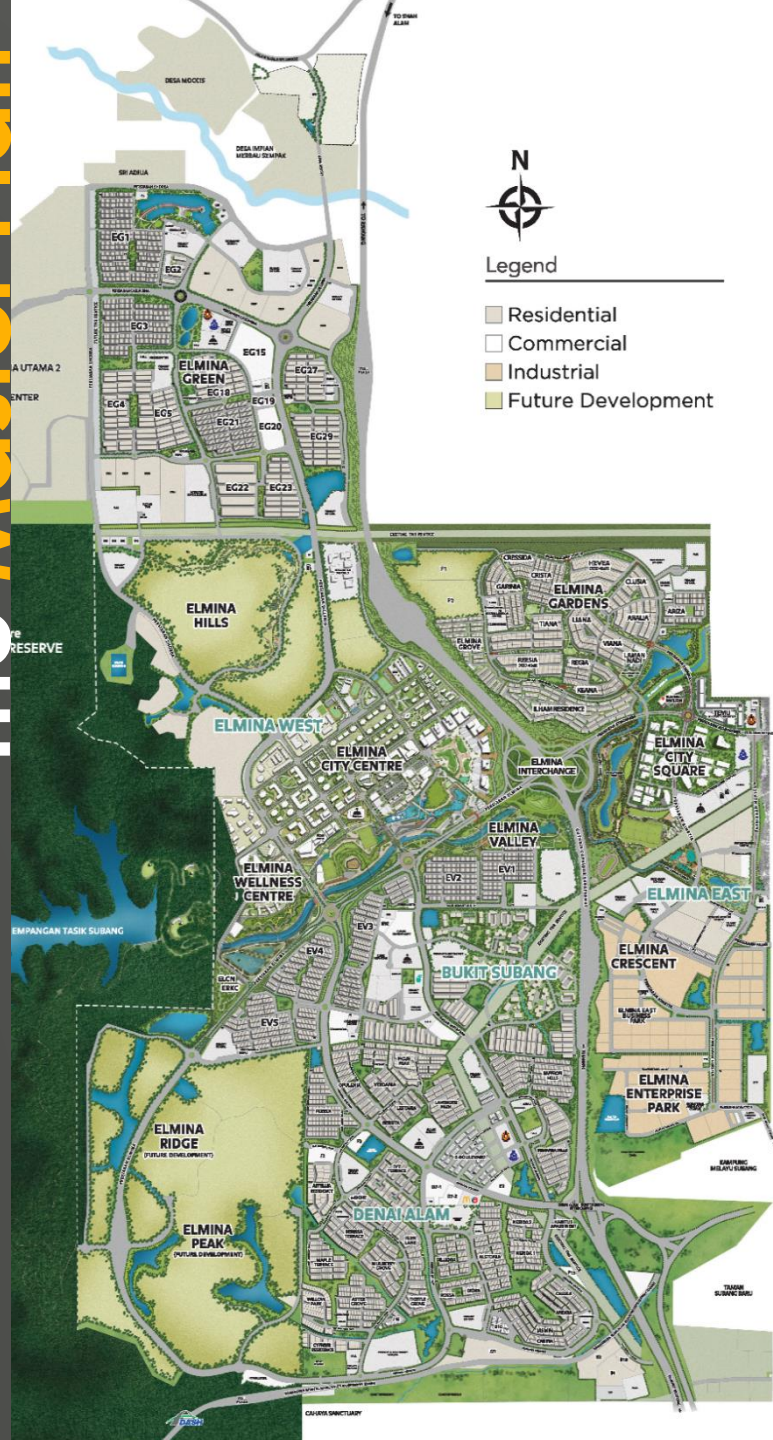
The river valley will form part of the 300 acres central park.

A network of green space
that will connect the
communities through a
sustainable mode of mobility

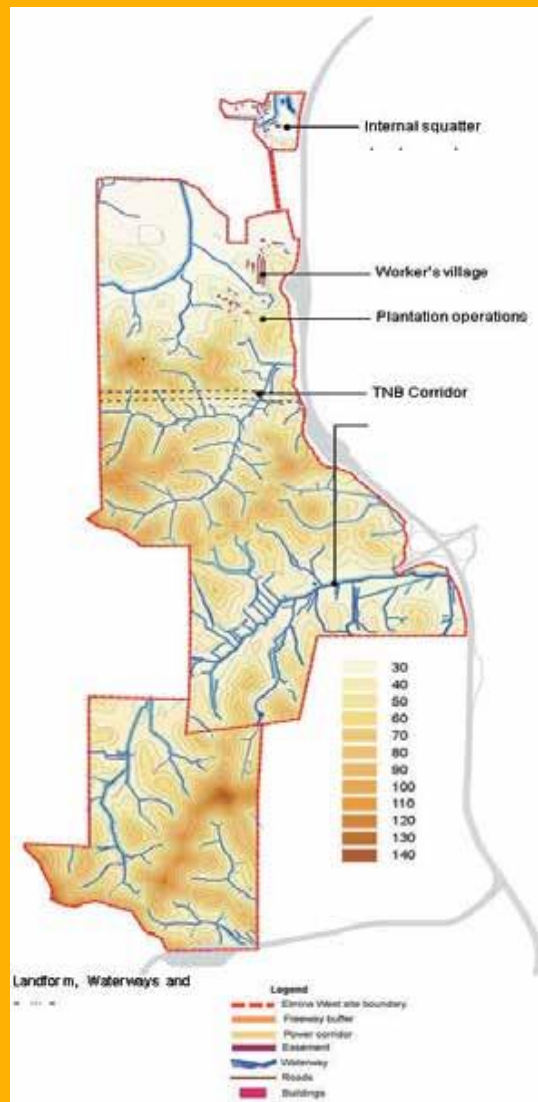
The masterplan
encapsulates the natural
environment into the
planned urban fabric



The Master Plan



Topography



Topography map

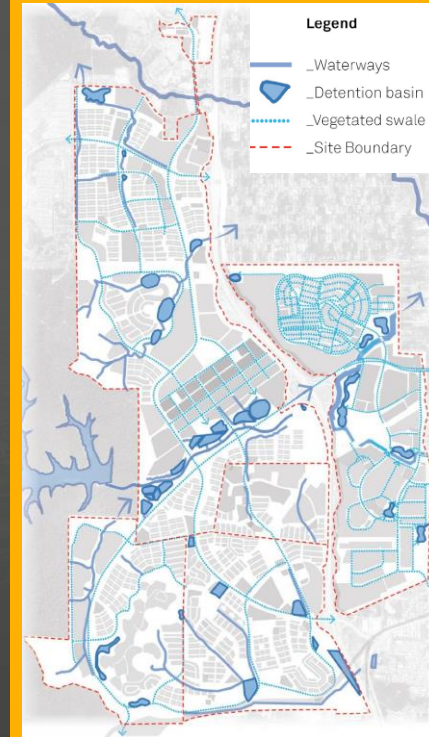
The site exhibits **four major ridge lines** of convoluted highland that form a series of peaks and river valleys :

- **449 acres** of ponds and waterways (9%)
- **320 acres** of two substantial areas of flatter land that are transformed into park and recreational areas (14%)

Overall, the proposed site is a **lowland** and **undulating area** with range height of **115.95m**. The lowest level is 12.54m located north of the site and the highest level is 128.49m located near the area Subang water catchment.

This process, considers the impact of the topography on the project site, informs the planning of the residential, commercial, and industrial precincts, which are designed to enhance and sustain the natural site terrain.

Waterway



Waterway map

As part of the urban stormwater management, the whole of the 300 acres Central Park is designed to **accommodate up to Q1000** (1 in every 1000 years flood event), which goes above and beyond the statutory requirement.

There are **four river systems** with the main volume of water from Subang River passing through Elmina East. The upgraded river and ponds within the development site are designed to **mitigate flash floods** in the downstream area of Subang River, such as Kg. Kubu Gajah. It has been successfully eradicated upon the completion of Elmina River of Life.

As a whole, the waterways are integrated into parklands so that they blend seamlessly with the landscape and contribute to the health of the city, and provide utility for people, communities and the environment.



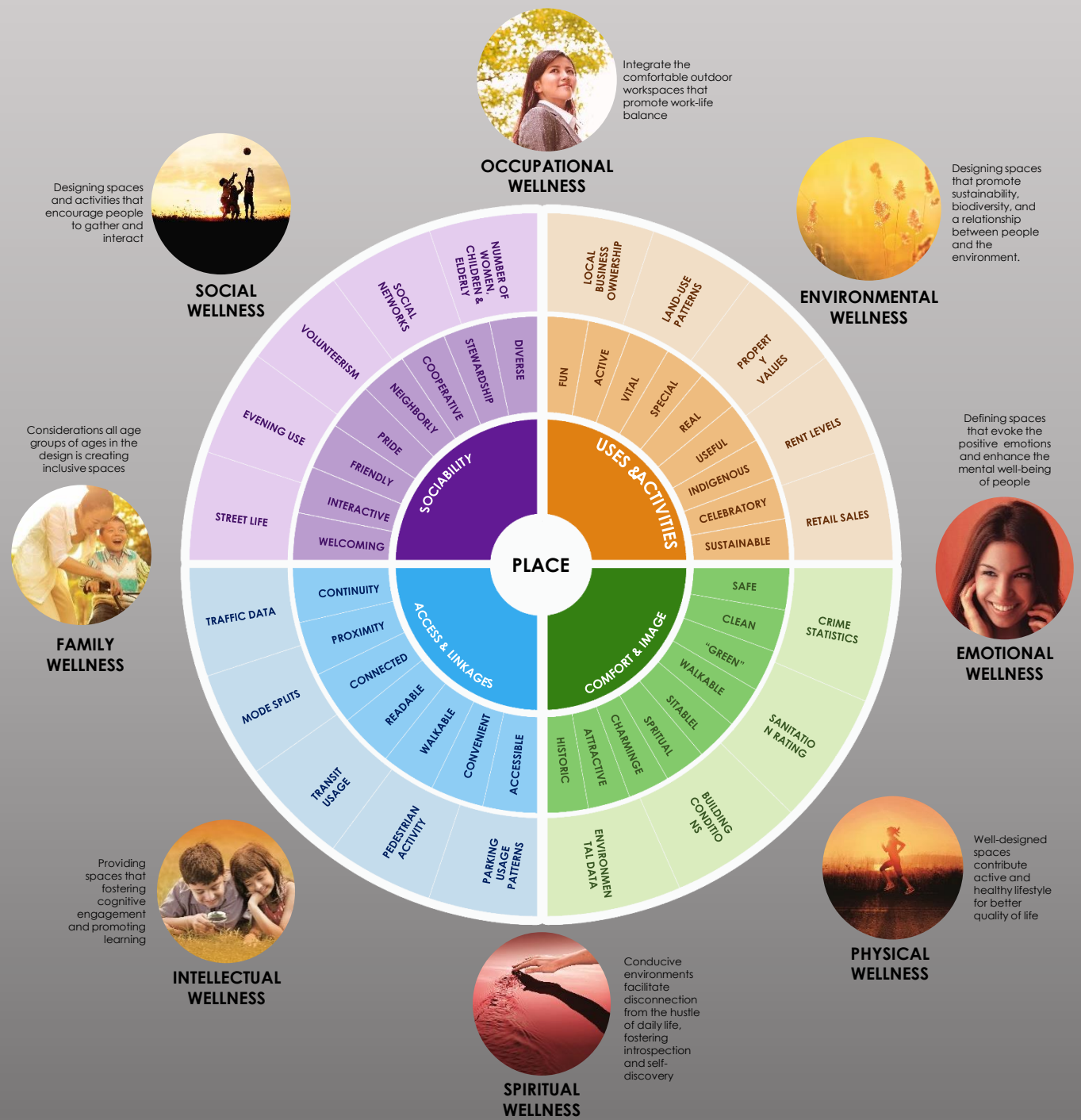
Perennial flood downstream of Subang river affecting areas such as Kampung Kubu Gajah



Actual photo of Elmina Central Park acting as a flood basin to accommodate storm water during heavy rain that occurred in December 2021

City of Elmina (COE) is build based on **3 key pillars Wellness, Community and Sustainability**. Embodying **8 elements of wellness**, the masterplan is designed to promote a **balanced lifestyle** amidst natural surrounding without compromising **convenience and connectivity** and provides an environment that **is liveable, inclusive and sustainable** for generations to come. To reflect the healthy and effective way of life, COE adopted principles to ensure that all urban **forms and design are integrated within wellness elements** including our landscape, amenities activities to **enable a healthy and balanced lifestyle** for our local residents and surrounding users.

COE carefully curated to **champion a wholesome environment for people, nature and business to thrive in harmony**. With multiple collaborations between various agencies Elmina Central Park has successfully created an **Accessible Active, Comfortable and Sociable space for everyone to enjoy**. The adaptation of the 4 keys placemaking attributes, in Elmina Central Park can be seen during the planning and implementation stage in the following report.



ELMINA URBAN PARK, ELMINA WEST

Located at the centre of Elmina Central Park, **Elmina Urban Park** is an epitome of community engagement, featuring a variety of placemaking activities such as **night market** as a communal space, **pop-up stalls**, **alfresco dining**, **non-motorized activities**, **riverside bazaar**, **park management office**, **football field**, **local food trucks** that supports small and local businesses, and a well-designed centralized **F&B area**, all fostering community engagement and economic sustainability.



Elmina Central PARK

The Elmina Central Park is strategically located in the center with great connection from the main commercial hub; Elmina City Centre and residential areas to gather people into one focal location

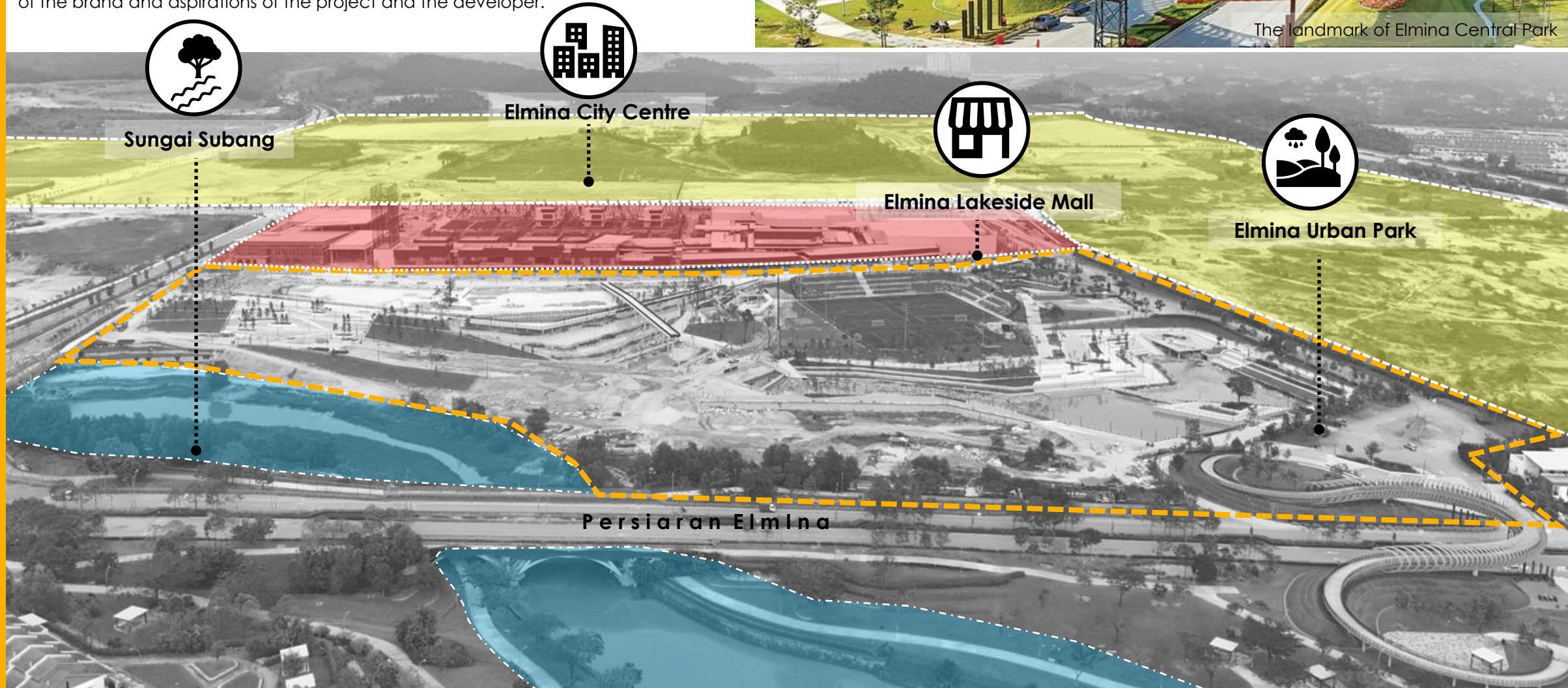
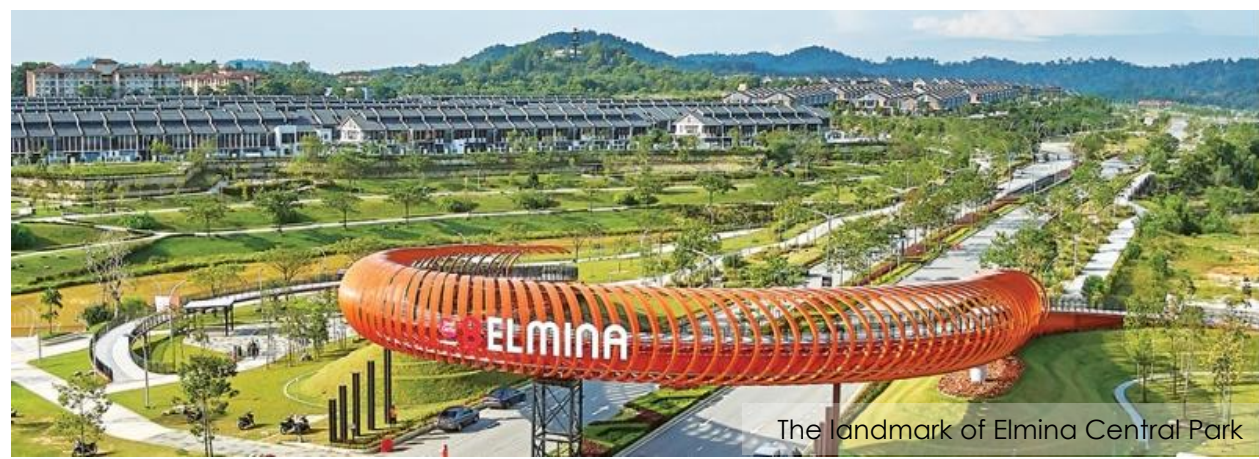
The 6 themed precincts of 300 acres Central Park is to cater the variety of demand of people from all ages and races.

- | | |
|----------------------------------|-----------------------------|
| 1 Forest Park (84 acres) | 4 Community Park (36 acres) |
| 2 Art & Cultural Park (37 acres) | 5 Sports Park (83 acres) |
| 3 URBAN PARK (35 acres) | 6 Wildlife Park (25 acres) |

This is a great way to connect people and communities despite their differences and various backgrounds.



The character of the Urban Park with 35 acres promotes an image of balance with nature, rivers and waterways winding through a beautiful and serene parkland setting that is full of activities for a healthy, active residential population. A variety of spaces and network of paths breakdown the vastness of Urban Park, making it accessible and inviting, whilst the rich diversity of activities and recreational opportunities means it will always popular and cherished. The intimate neighbourhood parks will provide a pleasant contrast to the drama and scale of Central Park and will encourage local families to meet, congregate and socialise. The main road connections that pass through and by the park shall be examples of beautifully landscaped transport arteries that cater for all applicable modes of transport - vehicle, cycle and pedestrian - as well as displaying a quality of finish and maintenance that is reflective of the brand and aspirations of the project and the developer.



Project Narrative and Contents :

“ The Evolution of **ELMINA URBAN PARK**”

Integrating various values into parklands to seamlessly blend with the landscape is a holistic approach that contributes to the health of the city, provides amenities for people and communities, and supports the environment

Building



Mix Development



Mall

River

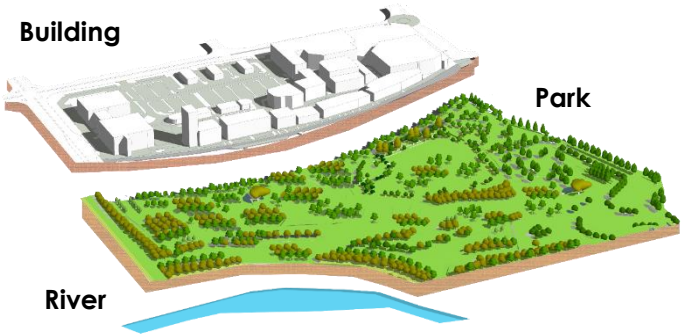


Before



After

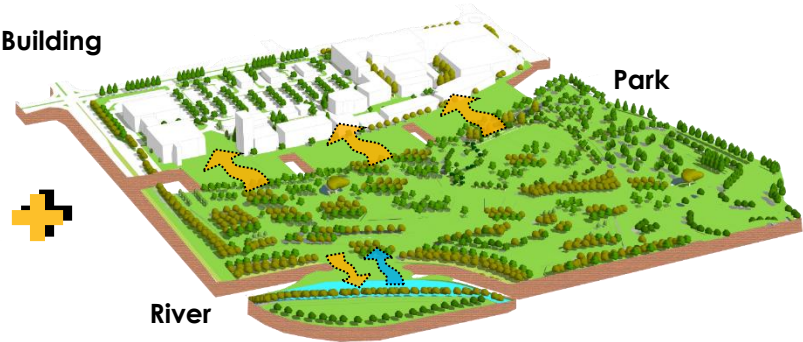
Building



Park

River

Building



Park

River



ELMINA URBAN PARK

Plantings



Dipterocarpus gracilis



Dipterocarpus grandiflorus



Dryobalanops aromatica



Dryobalanops oblongifolia



Elatiospermum tapos



Hopea helferi

Activities



Night market



Footballing



Jogging



Shopping



Cycling



Kayaking





Urban Park is a part of **flood mitigation** to create sufficient water bodies, to cater spill over during heavy rain (Q100-Q1000).



In **extreme weather conditions** during the occurrence of the Q1000 flood events, the whole 300-acres Central Park can become a great **flood plain**.

Integrate the river as a part of conservation to enhance **biodiversity**



ENVIRONMENTAL



Enhancing development and preserving valuable natural resources through **planting Endangered, Rare, and Threatened (ERT) species** and existing **tree's transplanting** within township.

Implementing **6 R in the design & implementation** stage. Reuse the crush boulders during earthwork into landscape design.



SOCIAL



Provide **recreational spaces and activities** that contribute to the well-being of the community.



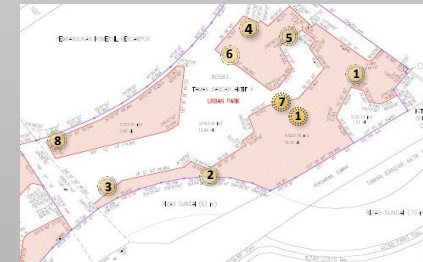
Creating **business opportunities** for the local community fosters **community development** and resilience, contributing to the overall social fabric.



<https://www.currenseek.com/best-things-to-do-kuala-lumpur/>

Creating a park that accessible to people of all abilities to promote **inclusivity** & applying **CPTED** principles to the create safer environment and more welcoming public spaces.

Identifying area for **leasing with local authority** to enhance a business's visibility. The **revenue** generated may be reinvested in **maintenance** of the park.



Revenue

Maintenance Cost

Operation Cost



GOVERNANCE

Developer

Safety & Sustainability Department

Operation Department

Maintenance

Handover to Local Authority

Park Management

Establish **Park Management** to ensures compliance with local regulations and standards, demonstrating a commitment to ethical practices and legal responsibilities.

21 years leasing is to create business opportunities for generating revenue for the purpose of Park Management

Gazettement Process



Leasing Process





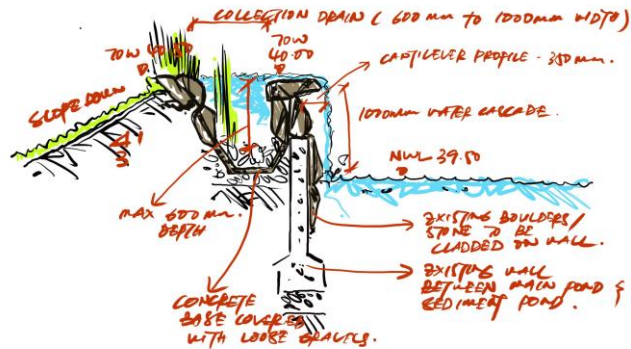
6 CLEAN WATER AND SANITATION



7 AFFORDABLE AND CLEAN ENERGY



Introduction of **5.773 acres** of cascading pond system to overall of 32.00 acres of Urban Park that helps in providing significant cooling effects to the surrounding area via evaporation, water temperature, wind blowing through water and hence **help mitigating Urban Heat Island Effects**



8 nos cascading ponds



13 CLIMATE ACTION



15 LIFE ON LAND



Transplanting matured trees form surrounding site to create instant impact at site.



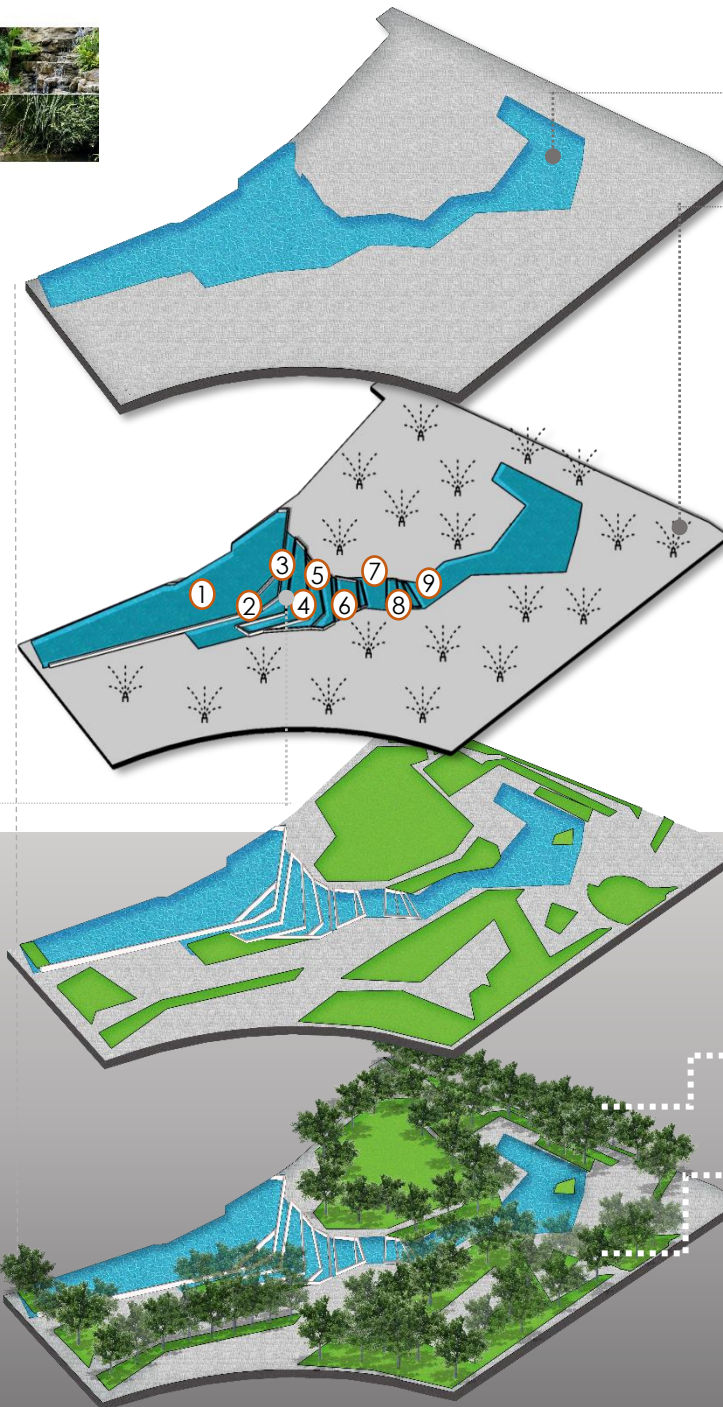
Eucalyptus deglupta



Shorea sumatrana



10% of Endangered Rare & Threaten (ERT) species



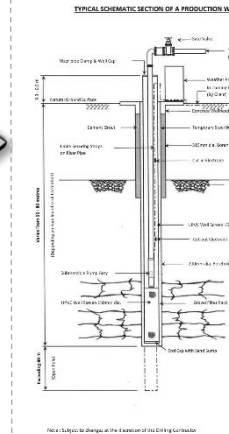
Approx. 28,034 m³ of pond water **eliminates dependence of portable water for landscape irrigation** purposes by 53.037m³ daily.

>18,000 nos aquatic plants that helps in filtering and purifying while water flows through before entering into riverway system.



LEMBAGA URUS AIR SELANGOR (LUAS)

Installation of **tube well** system approved by **LUAS** that contribute to sustainable water management.



- Clean groundwater resources give a clear water effect on the pond and enhance surrounding view.
- Water undergoes natural filtration as it percolates through soil and rock layers.
- Promoting the use of renewable energy for water extraction.

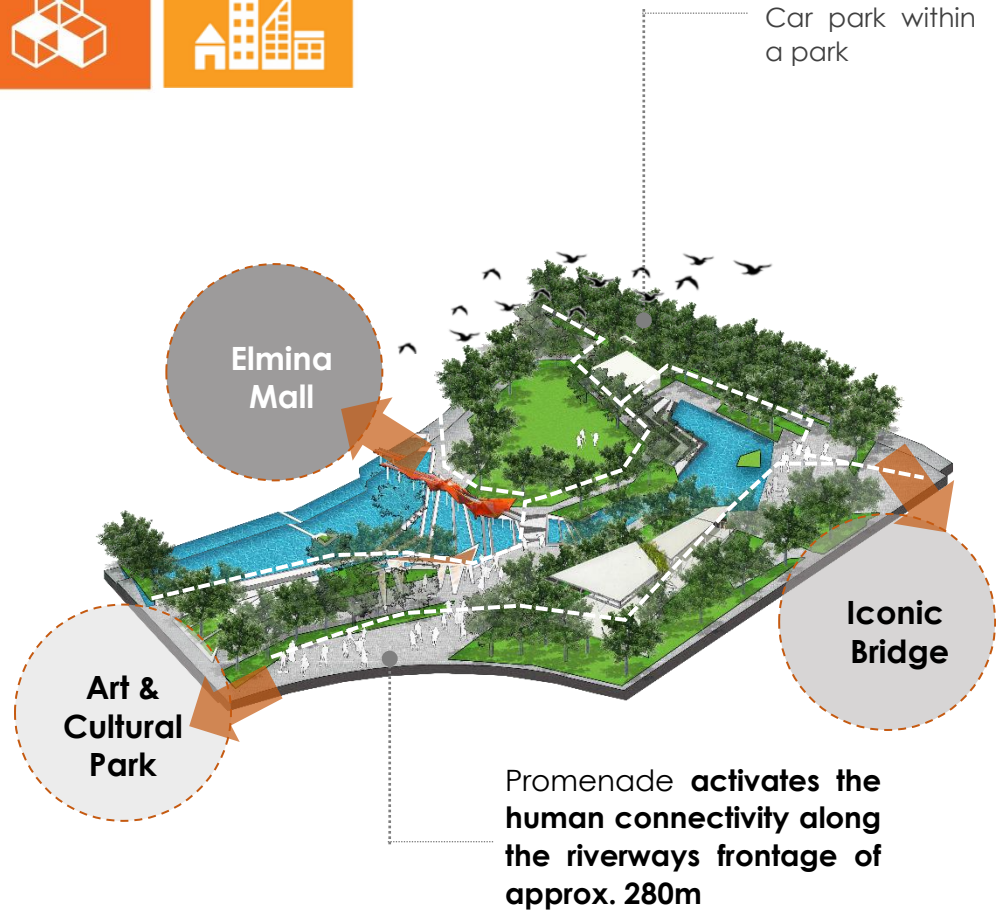
The plants proposed at the park helps in **absorbing approx. 5,000 pounds of CO₂** annually.

Introduction of **>500 matures trees** throughout the park.

> 50,000 shrubs with approx. 0.85 acres of coverage area in providing a lushed greeneries environment



Flora & fauna linkages within the urban park through biodiversity corridor



Interconnected pathway and plaza within Urban Park which is **> 2km** **easing the connectivity** from the adjacent commercial plots, roadside walkway and carparks



Designing and implementing a **grading plan** that follows the existing topography help to **minimize cut and fill** during earthwork. Implementing **terracing as part of seating** for people to enjoy viewing activities on a field creating a **visually appealing and functional space**



Utilization of solar compound lights at open area and gravity pumping system application in promoting **sustainability initiative and effort**.

Pasar malam serves as a communal space where people from diverse backgrounds come together. It fosters social interaction, strengthens community bonds, and creates a sense of belonging.



The presence of **pop-up stalls** attracts additional visitors to the park, increasing foot traffic. This not only benefits the mall but also enhances the vibrancy and popularity of the park as a whole.

Emphasize outdoor seating options to create an **alfresco** dining experience. Comfortable pontoon arrangements, setups, allow patrons to enjoy the park's ambiance while sipping their coffee in the middle of the island.



Promoting **non-motorized** activities aligns with sustainability goals and encourages a healthier and more active lifestyle.



Organizing a **bazaar** along the river can create a unique and attractive event that combines the charm of a traditional market with the scenic beauty of a riverside setting



A **park management office** plays a crucial role in overseeing and enhancing various aspects of the park's operations, amenities, and visitor experiences



By leveraging these revenue-generating strategies, a **football field** in a business development park not only provides recreational opportunities but also becomes a valuable asset contributing to the economic sustainability and vibrancy of the park and the surrounding community.



PLACEMAKING




A well-designed **centralized Food and Beverage (F&B)** area can contribute to the overall atmosphere and ambiance of the park. With outdoor seating, landscaping, and possibly entertainment, it can become a pleasant and enjoyable space.





URBAN PARK Area Spaces

1. Elmina **Landing Plaza**
2. “**The Tapak**” Foodtruck Plaza
3. **Kiosk** and F&B Dining
4. Elmina Promenade
5. The **Park Management Office** and Elmina Sports Center
6. Arena **Football Field**
7. “**Harimau Malaya**” Play Structure
8. **Elmina Waterwalk** connecting with The Island Café.
9. **Dragon Bridge** “Stairway To Heaven
10. The **Origami Pavilion**



Pond cascading system via gravity without pumping system eliminates dependence of usage of electricity for pump

Aquatic plants helps in filtering and purifying while water flows through before entering into riverway system. Adding the natural riparian plants to soften the edges.

“

Like a dragonfly skimming the surface of a pond, life is brief, yet magical.



On the grand staircase of existence, every landing is a chance to pause, reflect, and appreciate the view.



Grand staircase connecting from biodiversity corridor to Urban Park.

“

In the heart of the sea, islands stand as whispers of enchantment, inviting exploration.

In the heart of Urban Park there is an island where concrete fades into the background, and the symphony of nature takes center stage.



“

The tiger teaches us that sometimes, to find our strength,
we must navigate the shadows of our own urban jungle.

“



An iconic sculpture that also serves as a play area is a unique and exciting project. Tiger playground was inspired as it is one of the flagship species for biodiversity conservation and "Harimau Malaya" in Malaysia, is indeed classified as critically endangered

“

Harimau Malaya, the guardian of our forests, the pride of our land.





As you climb, leave the ordinary behind. Our stairways are pathways to a shopping adventure waiting to be explored."



1:12 ramp design to provides a safe and friendly environment for users

+ 33.50

+ 34.75

“ In the dance of delicate folds, an origami pavilion becomes a sanctuary of elegance and grace.”



Origami Pavilions, with their intricate geometric forms, become iconic landmarks while providing shaded areas for rest and relaxation.

“

Life's journey is a stairway, and at its zenith, we find the heavens within ourselves.



The elevated dragon pathway combines artistic expression, cultural significance, and functional connectivity, providing unique vantage points for enjoying panoramic views, making it a multifaceted and valuable addition to Elmina Urban Park.

“

With faith as your guide, turn every step into a waterwalk and defy the ordinary

Floating islands, waterwalks, and non-motorized water activities offer unique attractions at Elmina Urban Park, encouraging a healthier, more active lifestyle, and contribute to placemaking efforts that foster community identity and engagement.



Project Narrative and Contents :



“ This is How Life Should be...



Beyond the grass and trees, a successful park is a story of people coming together, creating memories in the embrace of nature.





westlake

THANK YOU