

BIOPHILIC DESIGN FOR SUSTAINABLE LIVING

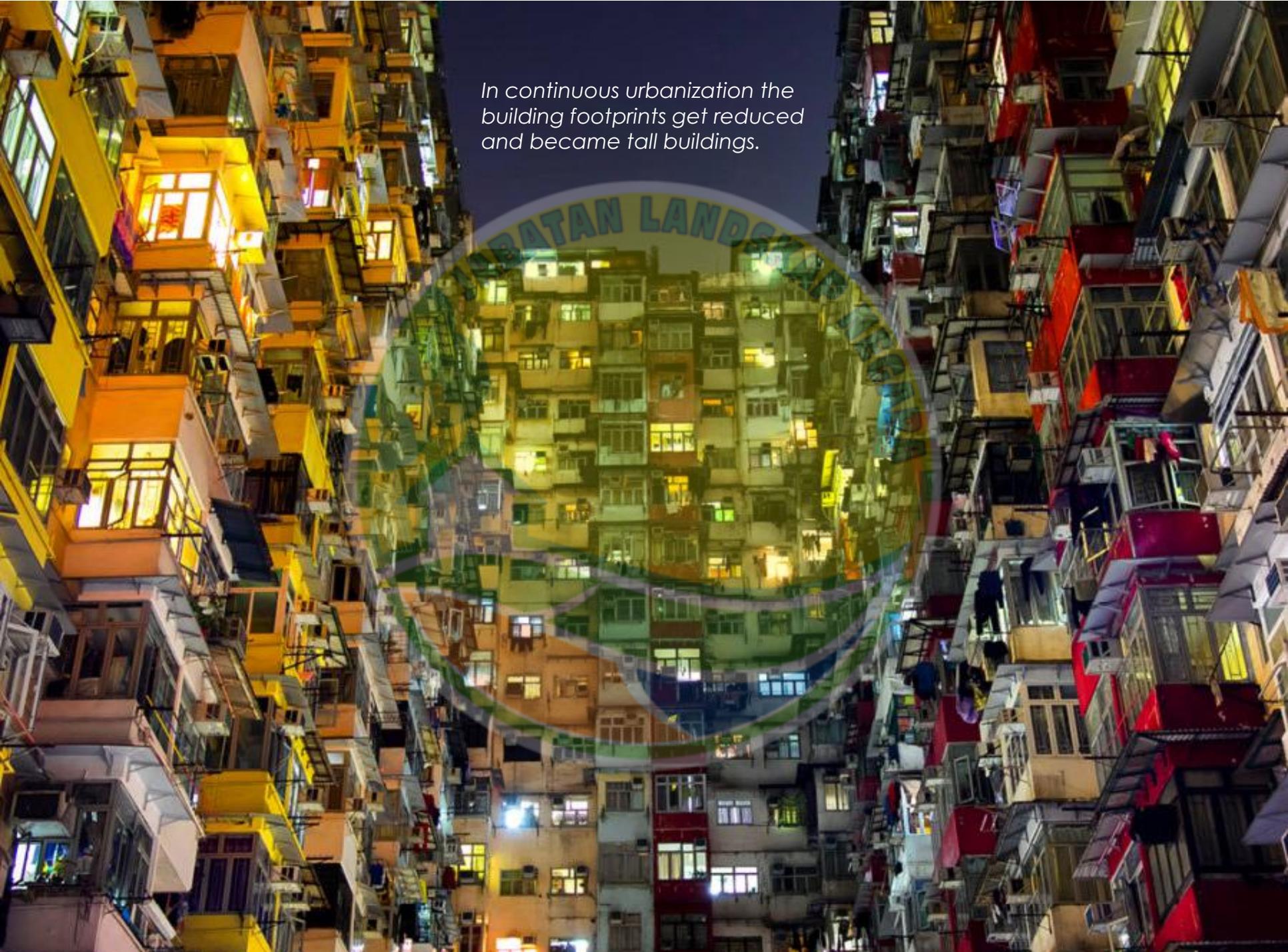
PRESENT BY PHUA CHIN ENG

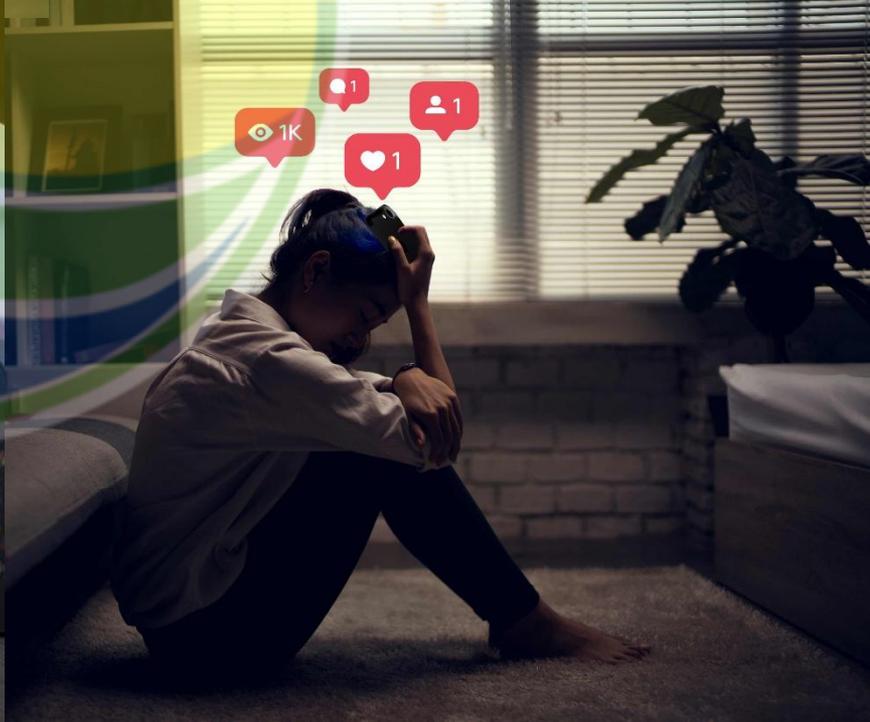
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**Rapid
development**

In continuous urbanization the building footprints get reduced and became tall buildings.





*“**Biophilic** design is an **approach** to architecture that seeks to connect building occupants more closely to nature.”*





Environmental Features



Texture, Pattern & Colour



Thermal Comforts



Light and Space



Air Quality & Ventilations



Psychological & Physiological Effect

BIOPHILIC DESIGN ELEMENTS

Alila²

@ TANJUNG TOKONG, PENANG

SUMMIT PARK @ Southville city

SEPANG, SELANGOR

Aiia²
steps to paradise

IBATAN LANDSKAP

Aiia²

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CONCEPT & APPROACH



SKY PARADISE



GROUND PARADISE

Observation Towers

The highest place to see the lower regions

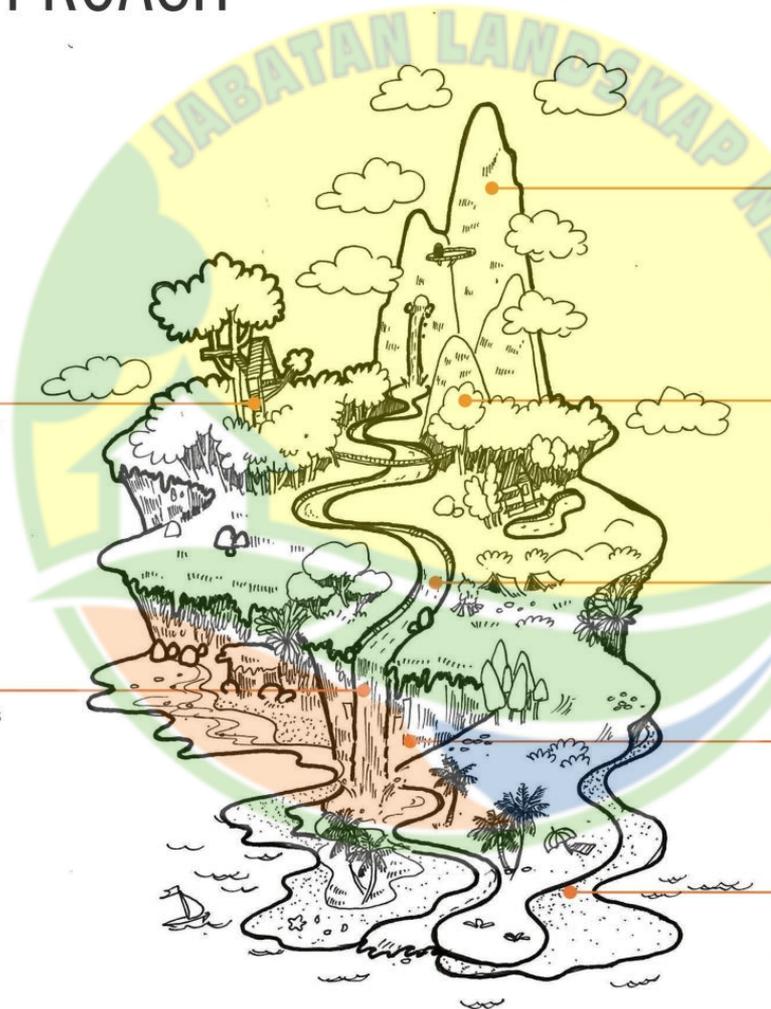


Waterfall

Creating infinity flowing and movement as welcoming introduction



Interpretation of Paradise



An alluring haven surround by nature

Iconic Mountain

It is often relates to the highest areas of luxury and grandeur



Lush Landscape

Setting out that emphasizes an area filled with natives flora and fauna that offers more adventurous & mysterious activities



Winding river / road

The winding river / road provide a natural atmosphere as is often seen in forest areas that are not effected by the development



Terracing Garden

Offers wall treatments with forest feel creepers & climbers, more activities & more mysterious space



Beach Feel

Podium Level: Creating fun activities under the sun



BATU FERRINGHI

SPRING TIDE
RESIDENCES

PEARL HILL
PARK

HILLSIDE GARDEN

CASA LAGENDA
MUTIARA

PERMAI GARDEN

PEARL HILL

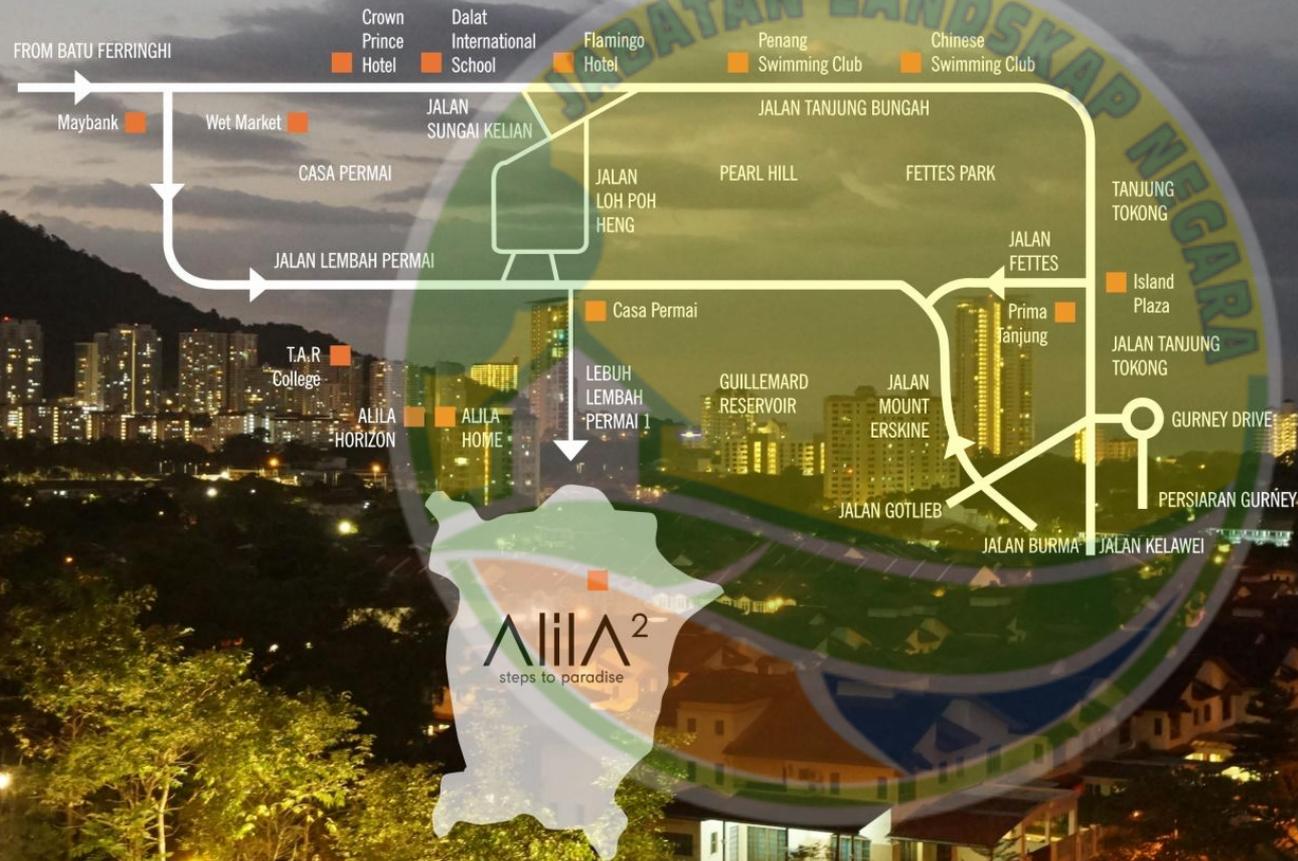
CASA PERMAI

ALILA
HORIZON

ALILA
HOME

BUKIT
OLIVIA

WELL CONNECTED ADDRESS



Nestled between enchanting hills and the tranquil Malacca Straits is ALILA² — an alluring haven that sits high above the upscale neighbourhood of Tanjung Bungah, Penang. ALILA² accords everything that would expect of a home. Spaciousness, privacy, fabulous facilities, breathtaking surroundings and stunning views. But beyond that it offers a location that others can only dream of.

Within minutes distance will be at the shores of Batu Ferringhi with a short distance from international schools, medical facilities, retail outlets and dining choices, all of which Penang is renowned for.

MASTER PLAN

9.8 acres in total land use

6.4 acres of development below 76m level, with 30% designated green space

3.4 acres of land above 76m level, preserved as a natural hill

There are 2 landscaped zones which are Zone Garden Terracing and Zone Condo Landscape that used as a landscape element balanced to each other.

Zone Garden Terracing focuses more on the inspiration of bird habitats, eating and relaxing before flying freely towards the Zone Condo Landscape. Enchanting landscape foot path surrounded by natures, birds chirping fill to our ears make whole area so calm and relaxed. Widely used Lemon Grass (*Cymbopogon citratus*) at terracing area is designated to meet Green Building Index (GBI) Gold Certificate standards by providing generous green space with 47% of project land area is covered by trees and gardens

Facilities surrounded to this area are:

1. Guard house
2. Feature walkway
3. Picnic Garden
4. Camp site
5. Resting Shelter
6. Hanging nest feature and lighting
7. Spiral road with creepers and vines to the nature rocks/cliff

Zone Condo Landscape is sited at amongst the hilly ambience of a tropical garden village and purely designed for those who appreciate the beauty of nature and the serenity of sea breezes, ALILA² promises breathtaking views, enchanting landscaped gardens, along with all the luxuries and amenities you'd expect from a modern resort-inspired condominium.

Facilities surrounded to this area are:

1. Residence Tower main entrance
2. Garden Parking
3. Parking façade
4. Podium Landscape
 - a. Club House
 - b. Infinity pool
 - c. Jacuzzi
 - d. Hydro gym
 - e. Interactive wading pool
 - f. Outdoor play area with hammock
 - g. Children's playground
 - h. Indoor play area
 - i. BBQ and dining area
 - j. Open deck
 - k. Changing room
 - l. Half basketball court
 - m. Tennis court





LANDART

Ailia 2

Ailia 2

Ailia 2
steps to paradise

SKY PARADISE
Condominium Landscape Zone

GROUND PARADISE
Garden Terracing Zone

Waterfall
Creating infinity flowing and movement as welcoming introduction

Observation Towers
The highest place to see the lower regions

Waterfall
Creating infinity flowing and movement as welcoming introduction

Paradise Implementations



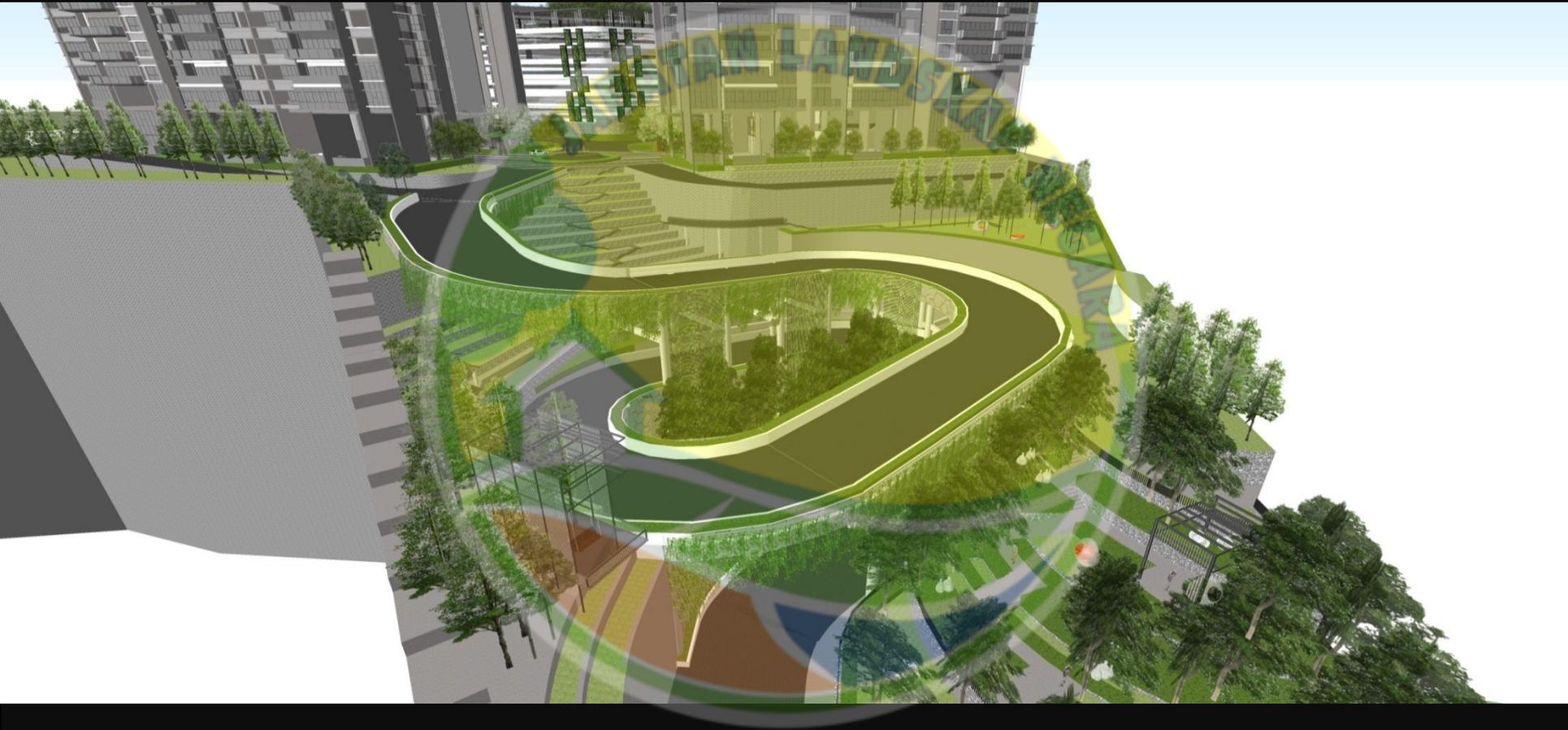
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Lush Landscape
Setting out that emphasizes an area filled with natives flora and fauna that offers more adventurous & mysterious activities







LIBRARIAN LANDSKAP



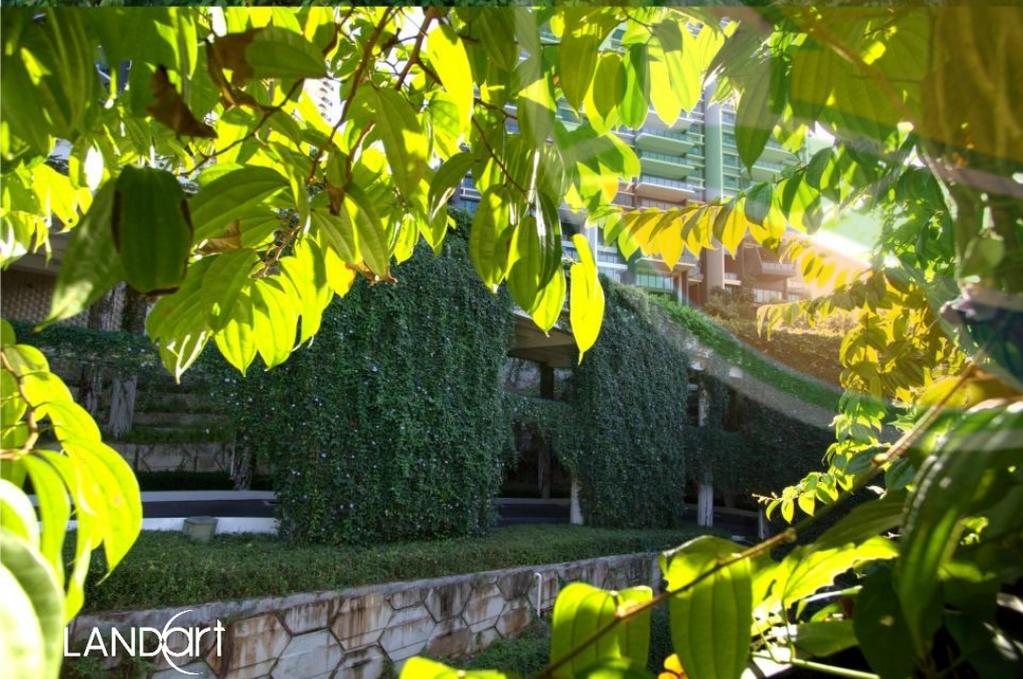
As you drive home up to your haven that is ALILA², you will travel along a meandering path that instantly transports you away from the incessant noise of the world below. On this gently winding road, a luscious variety of trees of all heights, offer shelter and respite from the tropical sun, gently swaying in the breeze, bidding you a warm Welcome Home.

SPIRAL ROAD

Cymbopogon & Caesalpinia
pulcherrima terrace

Parthenocissus
tricuspidata mixed with
Epipremum pinnatum

Thunbergia grandifolia
Thunbergia laurifolia



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SPIRAL ROAD CONCEPT



SPIRAL ROAD ELEVATION



SPIRAL ROAD SECTION

300M SPIRAL ROAD
CONCEPT

Cymbopogon & Caesalpinia
pulcherrima terrace

Spiral road

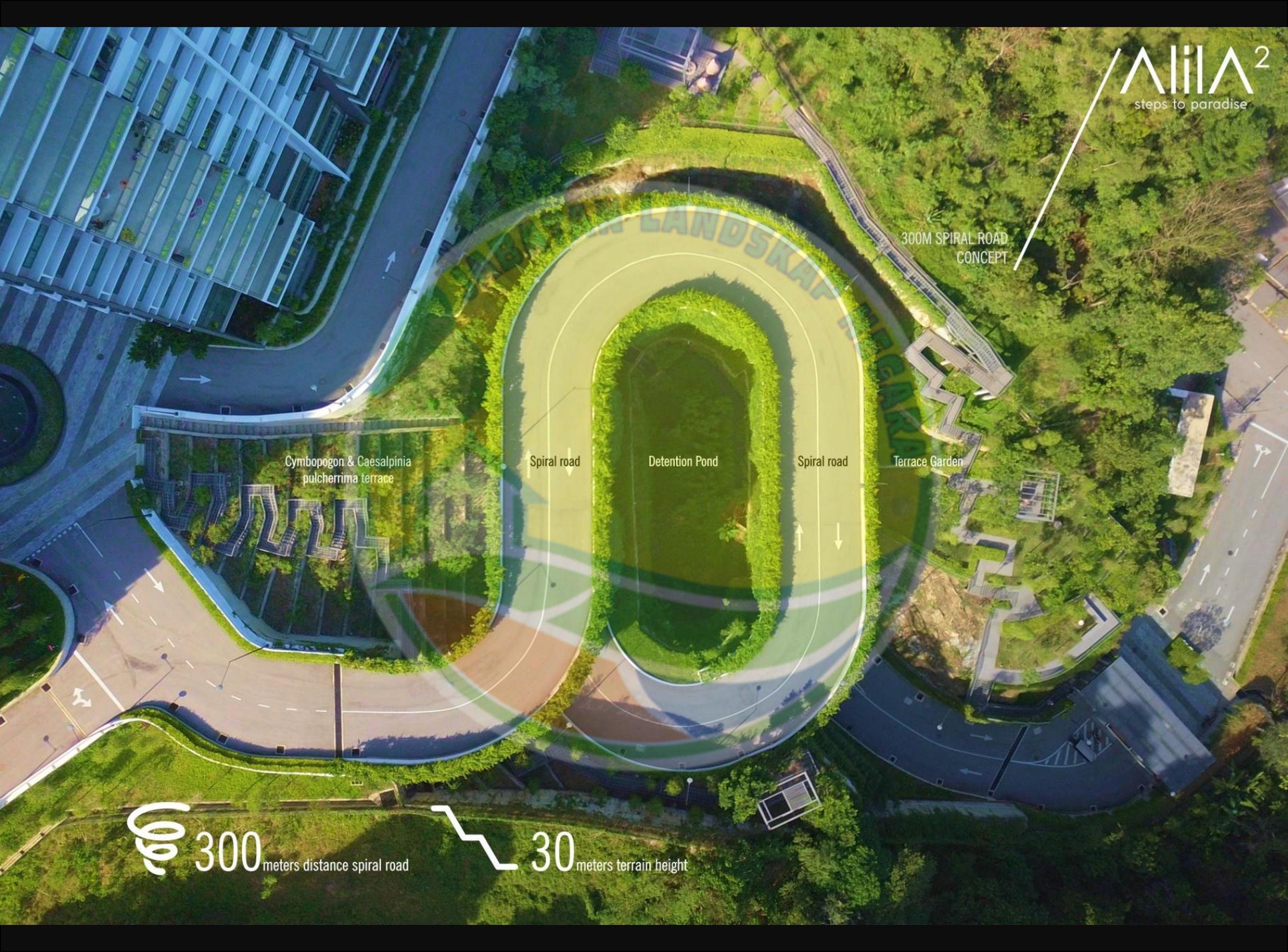
Detention Pond

Spiral road

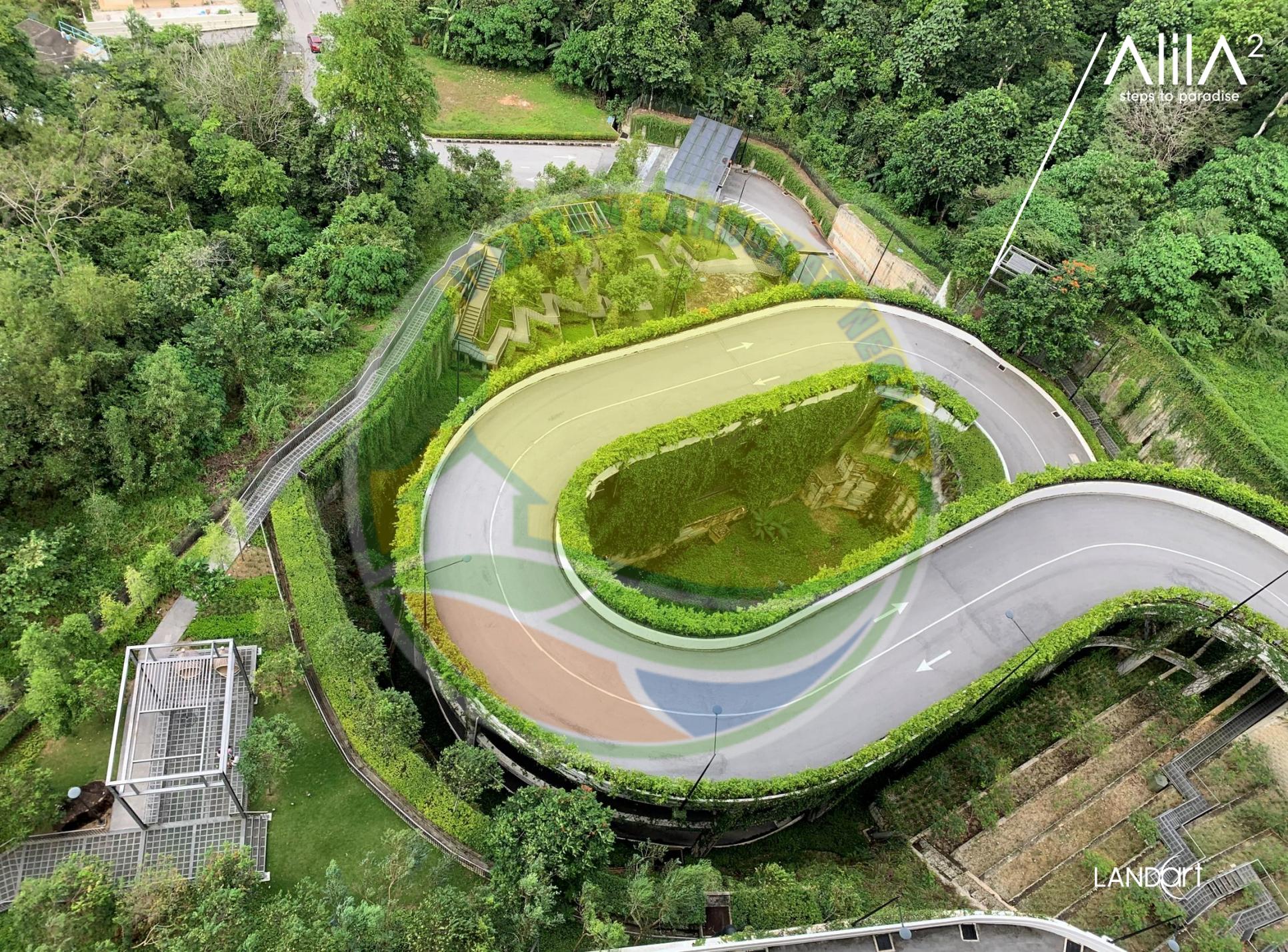
Terrace Garden

300 meters distance spiral road

30 meters terrain height







CYMOPOGON CITRATUS &
CAESALPINIA PULCHERRIMA TERRACE



CYMOPOGON CITRATUS &
CAESALPINIA PULCHERRIMA TERRACE



WHEN CONTEMPORARY
DESIGN AND WIDE OPEN
SPACES GENTLY HARMONISE,
ALILA² IS BORN.



Combination of multiple retaining wall system

- Reinforced earth retaining wall
- Reinforced concrete walls
- Caisson wall
- Allan blocks
- Rubble pitching wall

ENGINEERING CHALLENGES & INNOVATIONS FOR SUSTAINABLE APPROACH

ALILA² is a hillside development project located on hilly terrain. This type of development is challenging not only in term of the specific engineering techniques required, but also in term of achieving sustainable development goals, protecting the environment.

- ALILA² C&S Consultant, had to work closely with Architect to overcome the following challenges:
- Selecting a sustainable location for the footprints of the building, considering appropriate levels and ease of access.
 - Planning and designing the mode of access from the existing road to the building platform due to different in levels of up to 30m.
 - Creating environmentally, friendly and easy-to-maintain rainwater detention facilities.
 - Avoiding steep terrain (Class III and above).
 - Planning the water supply for high levels and running of service pipes
 - To minimize disturbance to the environment for a sustainable development.

LAYOUT PLANNING & ACCESS

- Footprints was located at RL65m, mid height, in front of the steeper hill at the back.
- Avoiding too drastic level different for access by having caissons socket into the bedrock as safe and cost effective.
- While, adopted winding road up o the hill approach to avoid excessive cutting and stability issues of tight space by having oval shape reinforced concrete structural ramp.
- At the end, entire setting was found to be very neat, visually interesting and pleasing.

MINIMIZING DISTURBANCE TO ENVIRONMENT FOR SUSTAINABLE DEVELOPMENT

- Conducted a comprehensive soil investigate to study the sub-surface soil strata prior to layout planning and design. Conducting 8 boreholes and geographical surveys in seismic refraction survey to gather good representative knowledge of the granitic bedrock stratum.
- Proper and effective rock excavation planned and designed to avoid un-controlled cutting and damage of the site.
- Controlled blasting theory was implemented to determine the minimum distance from nearby residence so that the vibrations (particle velocity) were within safe and permitted limits by using controlled blasting and chemical cracking.

MYSTERIOUS WALK TOWARDS
GIANT SWING PAVILLION





Alila²
steps to paradise

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TERRACING GARDEN ZONE

1. Guard House with entrance signage
2. Refuse Chamber
3. Tristellateia - climbers steps
4. Outdoor Camping area with fire pit
5. Hanging Cocoon Pavillion
6. Green Lawn
7. Observation Deck
8. Spiral Road
9. Detention Pond
10. Gian Swing Pavillion
11. Boardwalk beside Alan Wall
12. Cymbopogon & Caesalpinia pulcherrima terrace
13. Cocoon Seating Pavillion
14. Kaduk Boardwalk
15. Mini Forest Entrance
16. Grand Roundabout with Water Feature
17. Tower Signages
18. "Paddy-Neomarca" Terrace

TERRACE GARDEN WALK

Mini hiking next to
your door steps

 275 steps

 375 meters

 30 meters terrain height



TERRACE GARDEN WALK



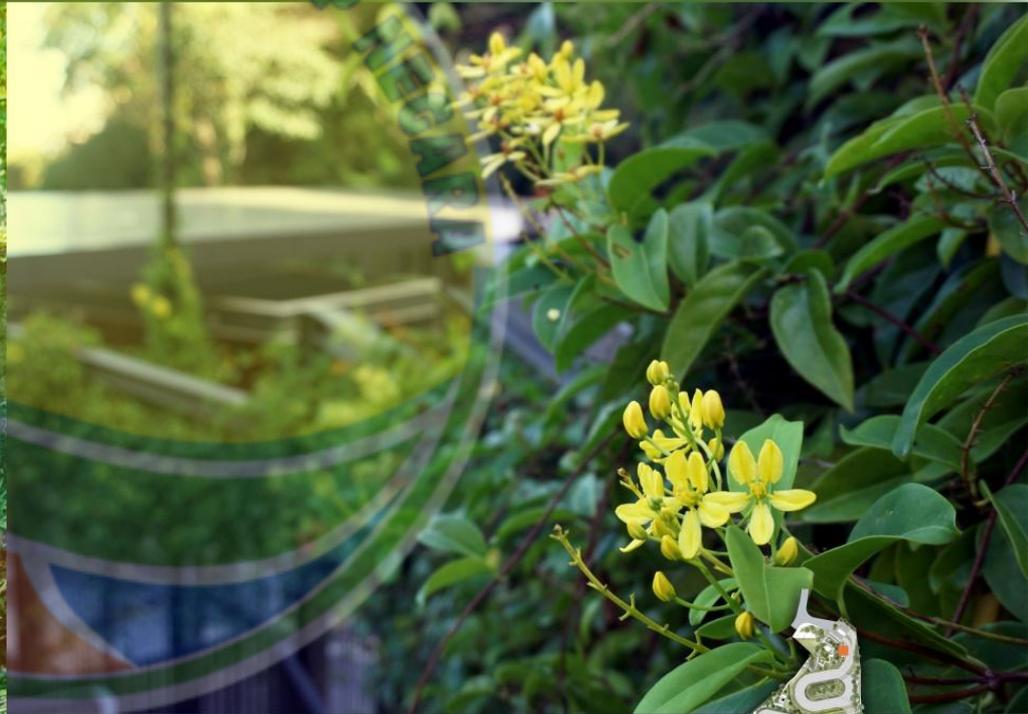


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TRISTELLATEIA - CLIMBERS STEPS

LANDSKAP



TERRACE GARDEN WALK



Terrace Garden & Feature Walkway

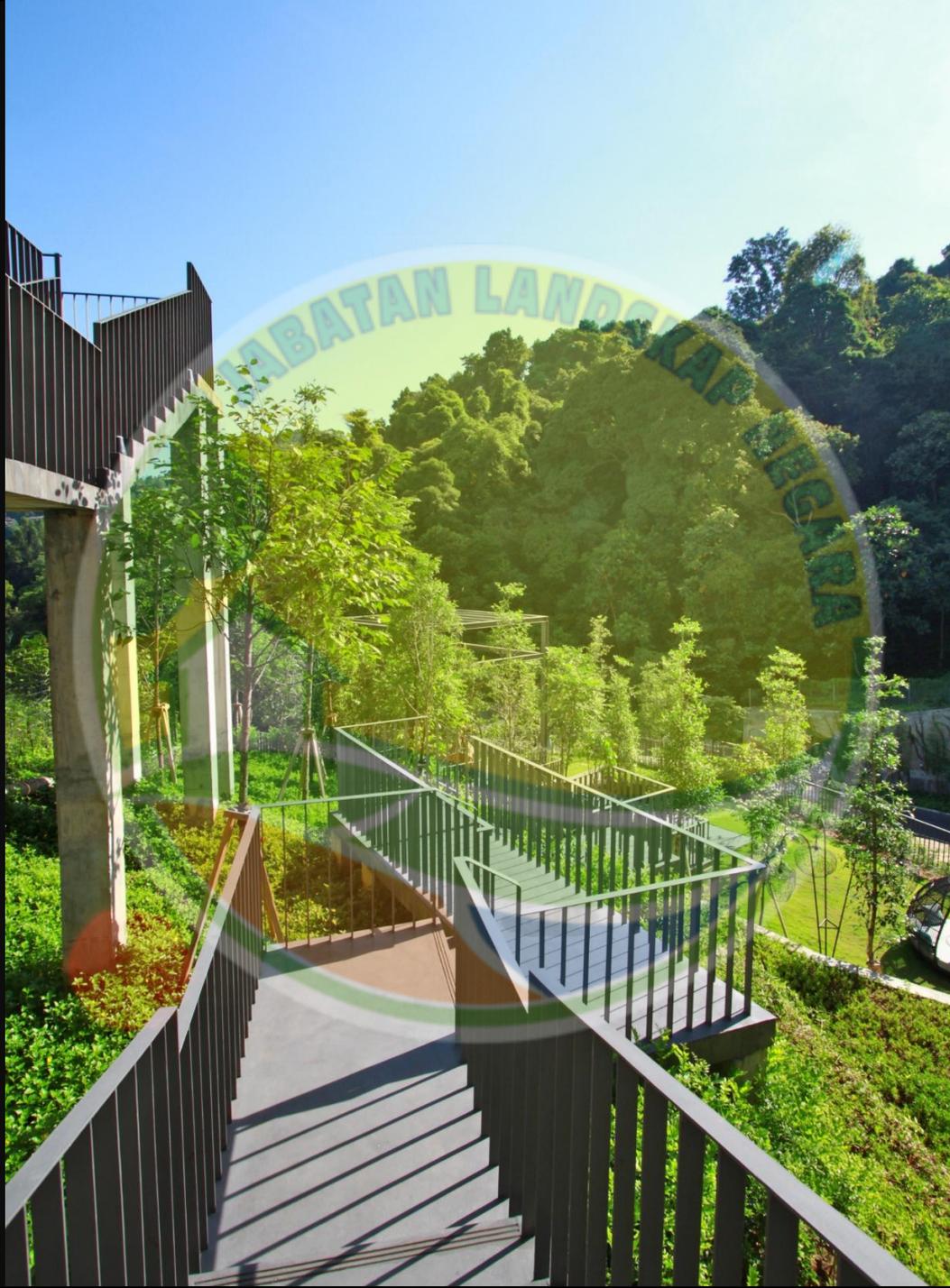


ALILA² was designed for those who appreciate the beauty of nature and the serenity of sea breezes, that promises a home of wide open spaces, breathtaking views, enchanting landscaped gardens, along with all the luxuries and amenities you'd expect from a modern resort-inspired condominium.

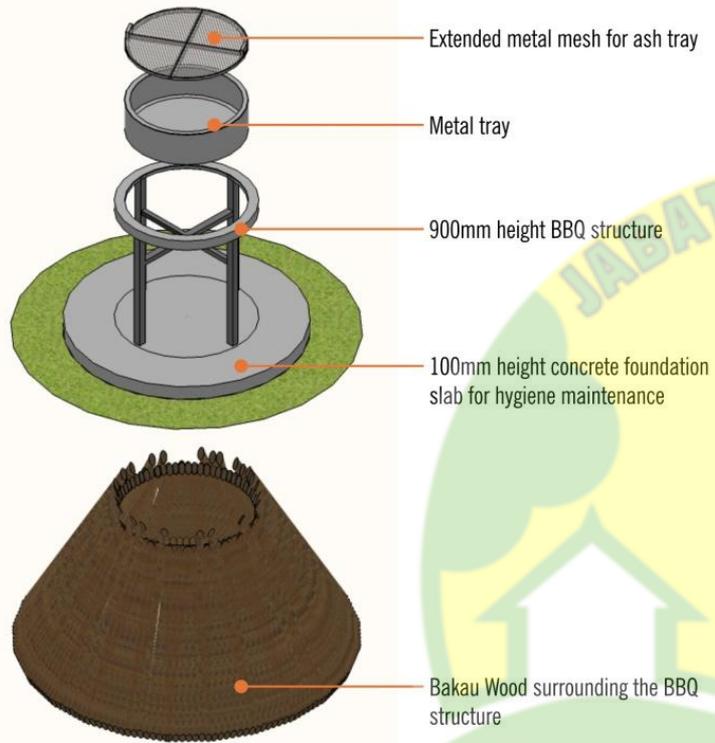
HANGING COCOON PAVILLION





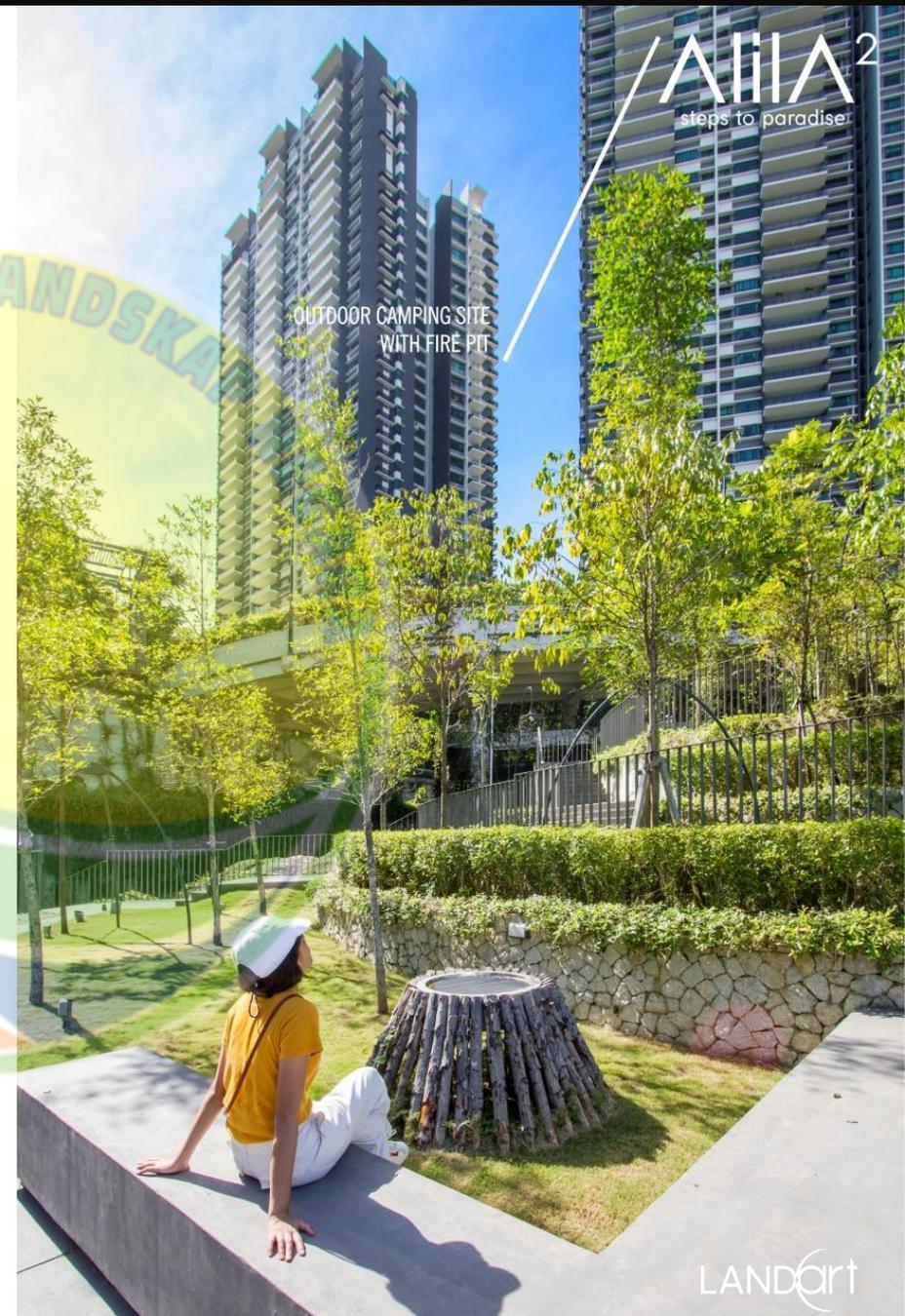


OUTDOOR CAMPING SITE
WITH FIRE PIT



BBQ / FIRE PIT DESIGN

Small details that emphasize the concept that close to nature and exact mood approach



LABATAN LA

OUTDOOR CAMPING SITE
WITH FIRE PIT

 2 nos fire pits

 3 nos cocoon seat

 5 nos hanging tent

 2 nos hanging cocoon

Aiia²
steps to paradise

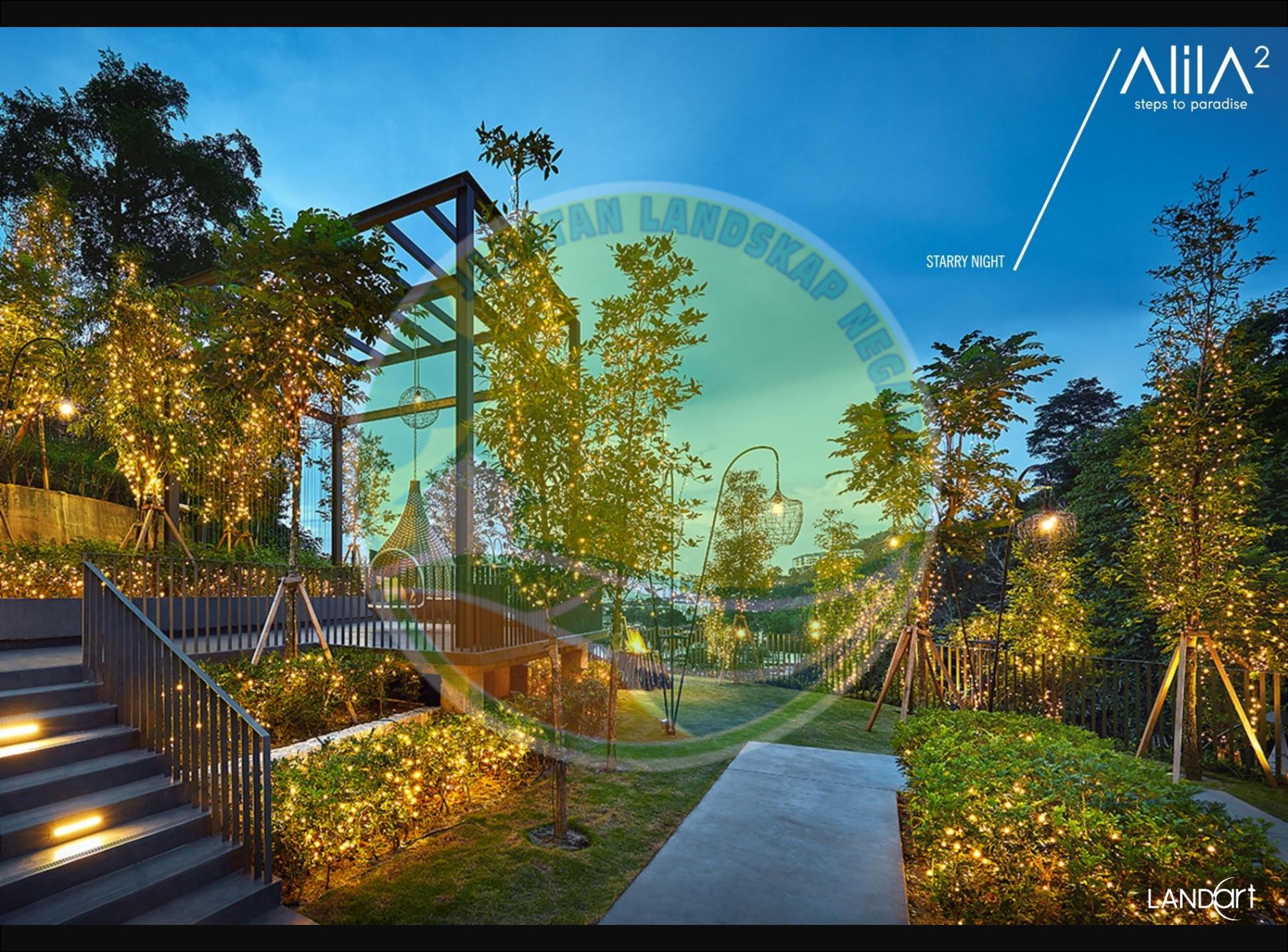


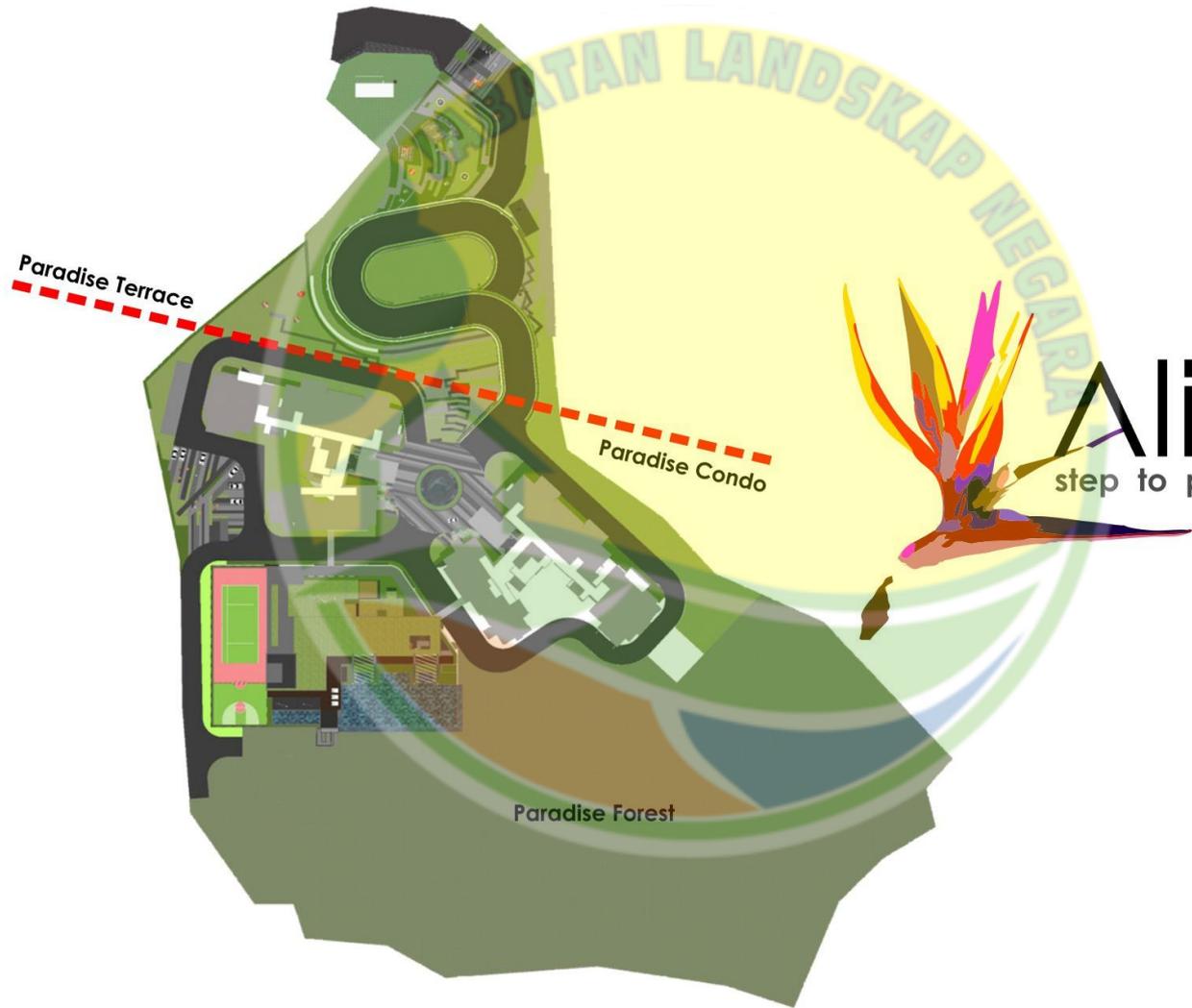
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ALILA² SERIES OF NEST



STARRY NIGHT





ANTAN LANDSKAP NEGARA

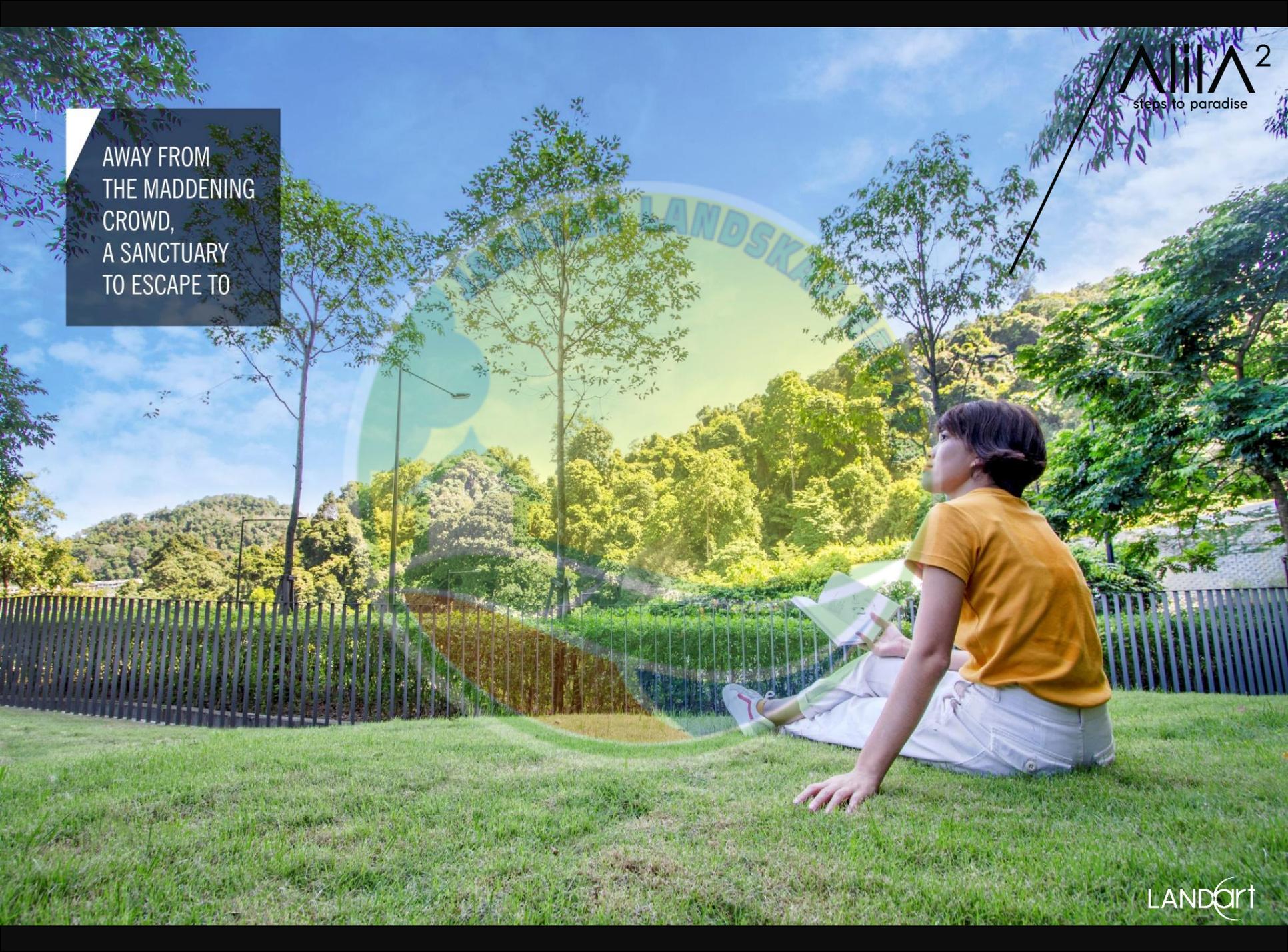
Aiia²
step to paradise



OUTDOOR COCOON
SEATING PAVILLION



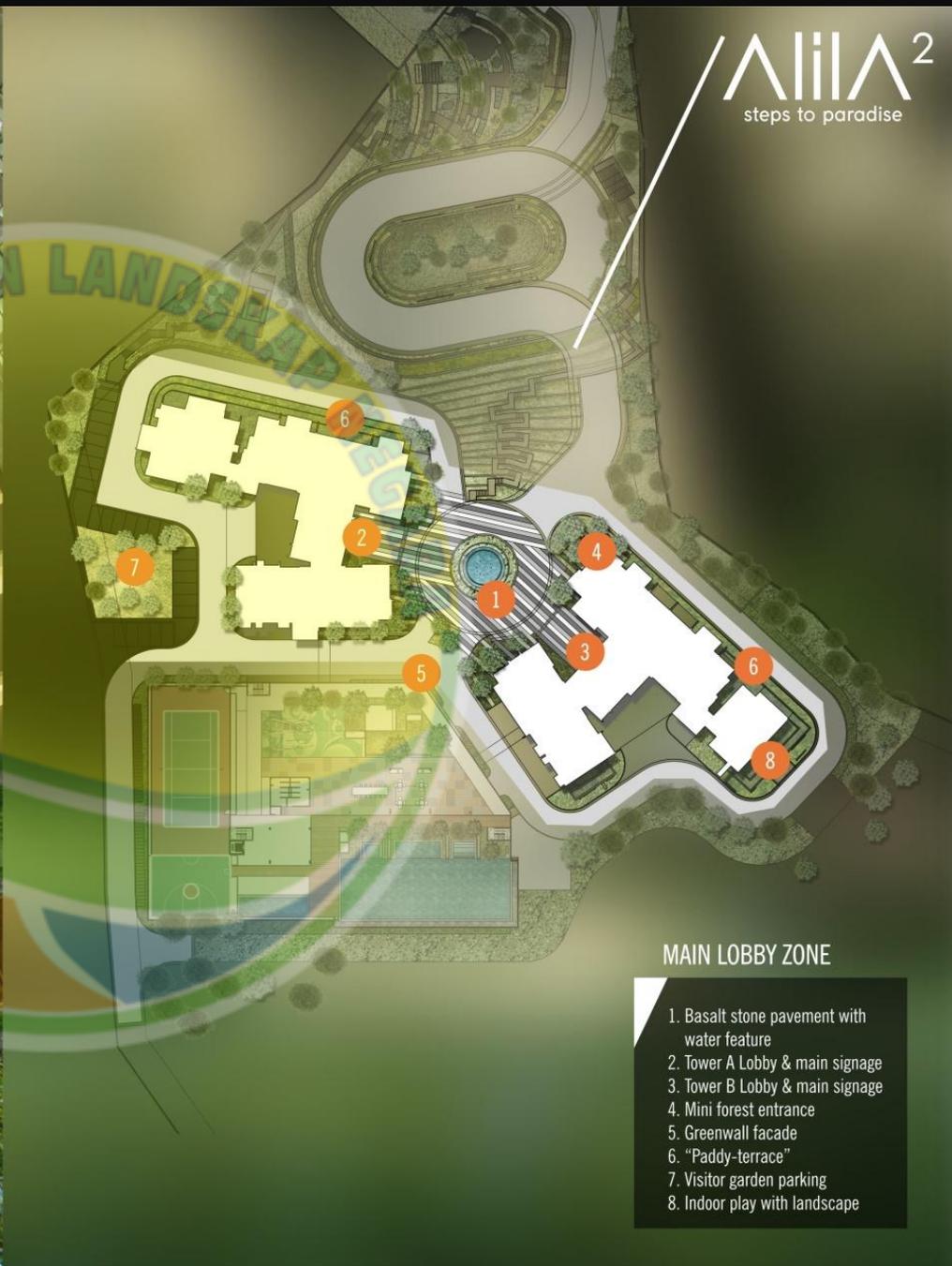
AWAY FROM
THE MADDENING
CROWD,
A SANCTUARY
TO ESCAPE TO





ROUNDABOUT WITH
WATER FEATURE



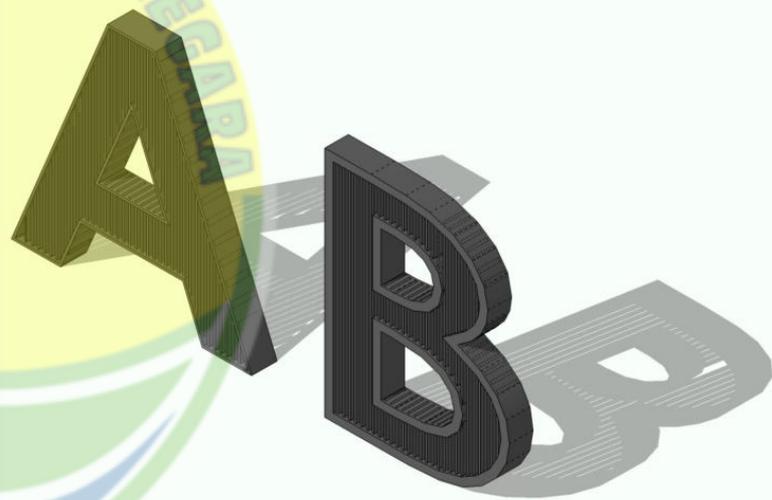


MAIN LOBBY ZONE

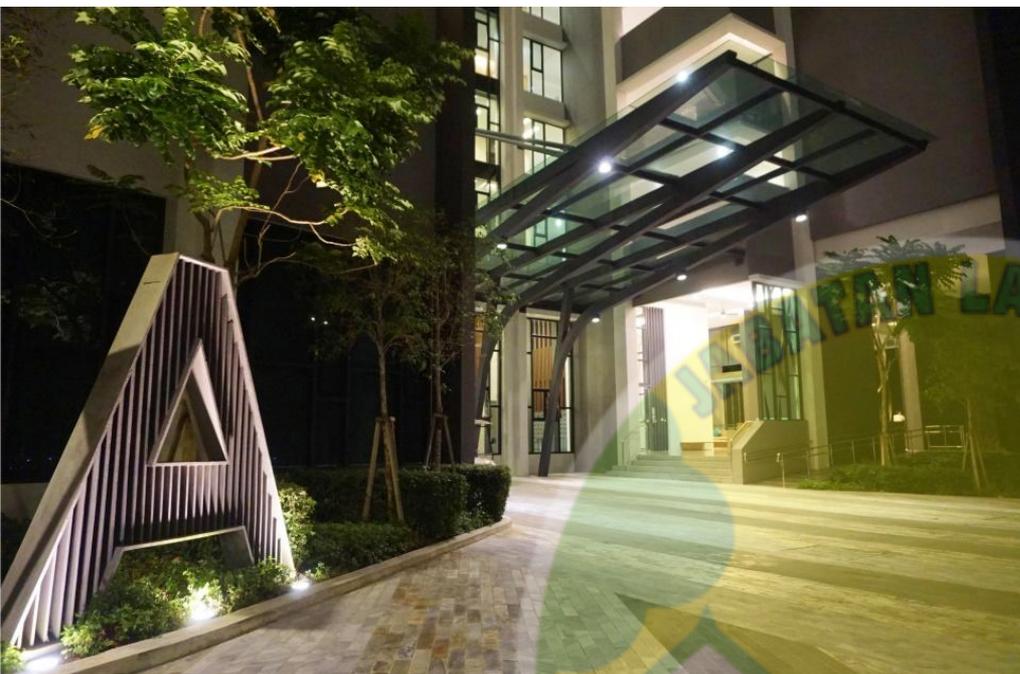
1. Basalt stone pavement with water feature
2. Tower A Lobby & main signage
3. Tower B Lobby & main signage
4. Mini forest entrance
5. Greenwall facade
6. "Paddy-terrace"
7. Visitor garden parking
8. Indoor play with landscape

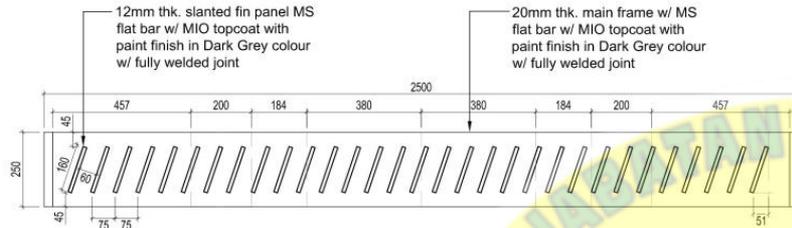
ALILA² MAIN LOBBY WATER FEATURE

TOWER MAIN SIGNAGE

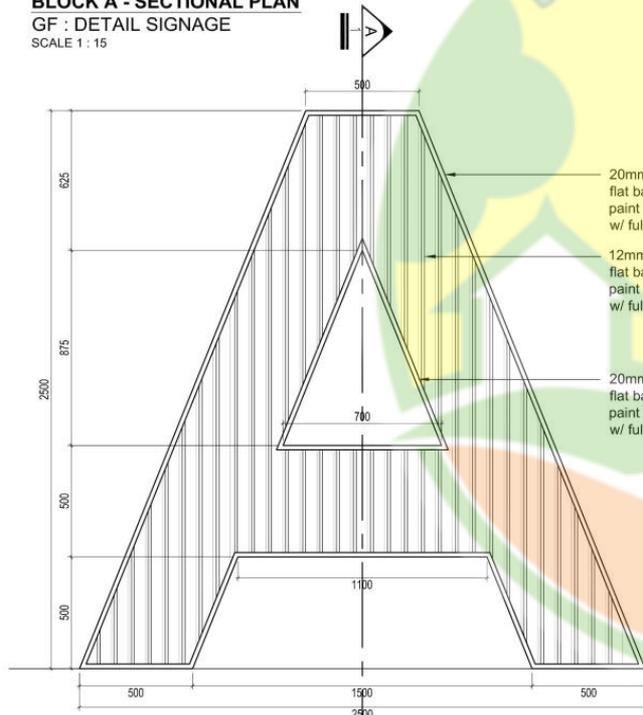


2.5m height x 2.5m width Tower Signage
as simple yet so grand





BLOCK A - SECTIONAL PLAN
GF : DETAIL SIGNAGE
SCALE 1 : 15

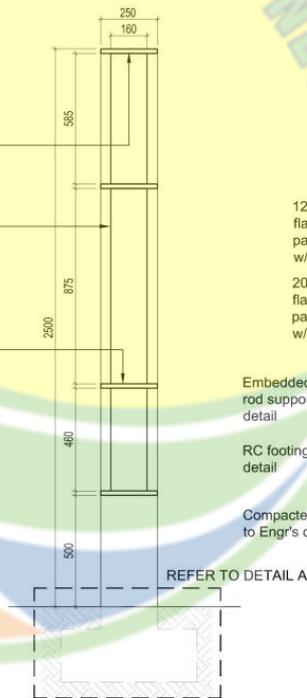


BLOCK A - FRONT ELEVATION
GF : DETAIL SIGNAGE
SCALE 1 : 20

20mm thk. main frame w/ MS flat bar w/ MIO topcoat with paint finish in Dark Grey colour w/ fully welded joint

12mm thk. slanted fin panel MS flat bar w/ MIO topcoat with paint finish in Dark Grey colour w/ fully welded joint

20mm thk. main frame w/ MS flat bar w/ MIO topcoat with paint finish in Dark Grey colour w/ fully welded joint



BLOCK A - SECTION A1-A1
GF : DETAIL SIGNAGE
SCALE 1 : 20

TOWER MAIN SIGNAGE

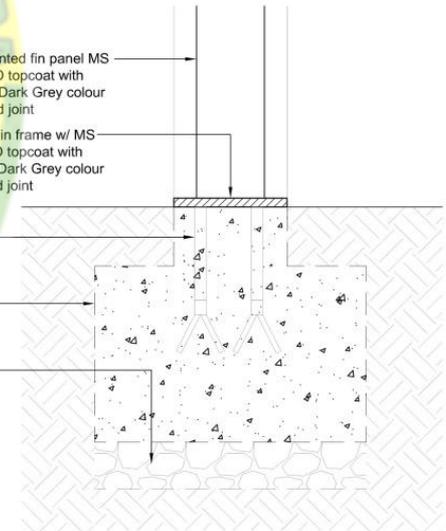
12mm thk. slanted fin panel MS flat bar w/ MIO topcoat with paint finish in Dark Grey colour w/ fully welded joint

20mm thk. main frame w/ MS flat bar w/ MIO topcoat with paint finish in Dark Grey colour w/ fully welded joint

Embedded anchored rod support to Engr's detail

RC footing to Engr's detail

Compacted hardcore to Engr's detail



BLOCK A - DETAIL A1
GF : DETAIL SIGNAGE
SCALE 1 : 10

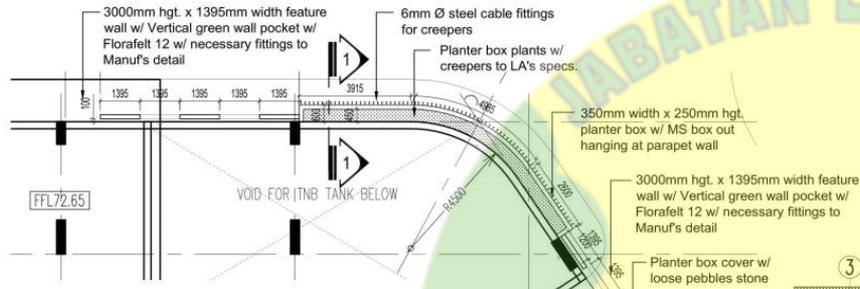


Initial Stage Proposal

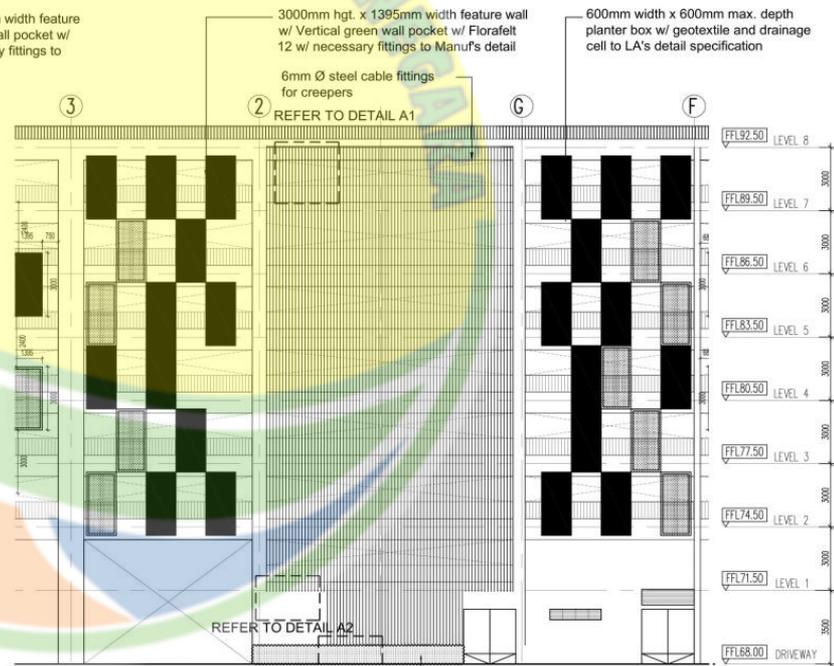
Landscape and Architecture was blended perfectly with vertical garden paneling and creepers to soften the building façade and surrounding environment.

GREENWALL FACADE

GREENWALL FACADE
DETAIL

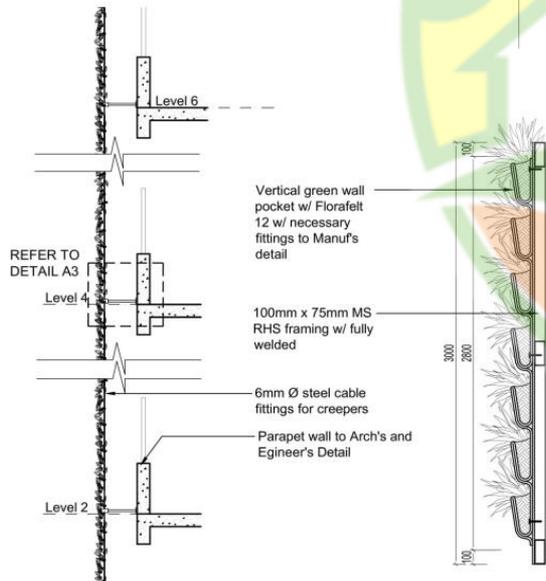


TYPICAL LAYOUT PLAN (LEVEL 1-6)
CARPARK FEATURE WALL
SCALE 1 : 150

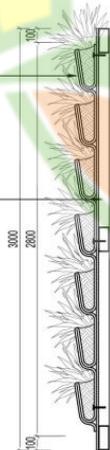


FRONT ELEVATION
CARPARK FEATURE WALL
SCALE 1 : 200

Hedges planting to
LA's detail specs.



TYPICAL SECTION 1-1 (LEVEL 1-6)
CARPARK FEATURE WALL
SCALE 1 : 50



TYPICAL GREE WALL - SECTION
CARPARK FEATURE WALL
SCALE 1 : 30

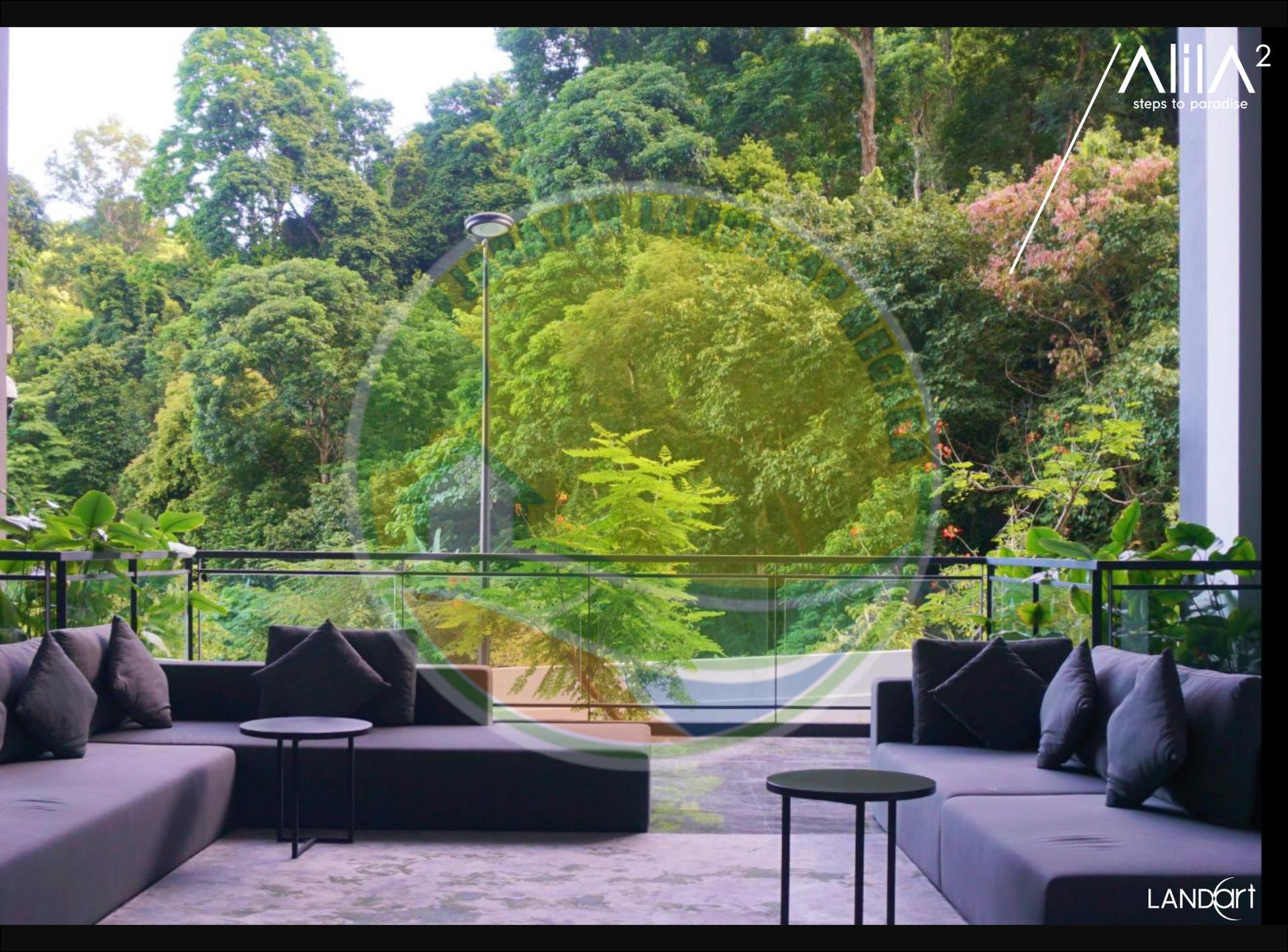


Alila²
steps to paradise

LANDart







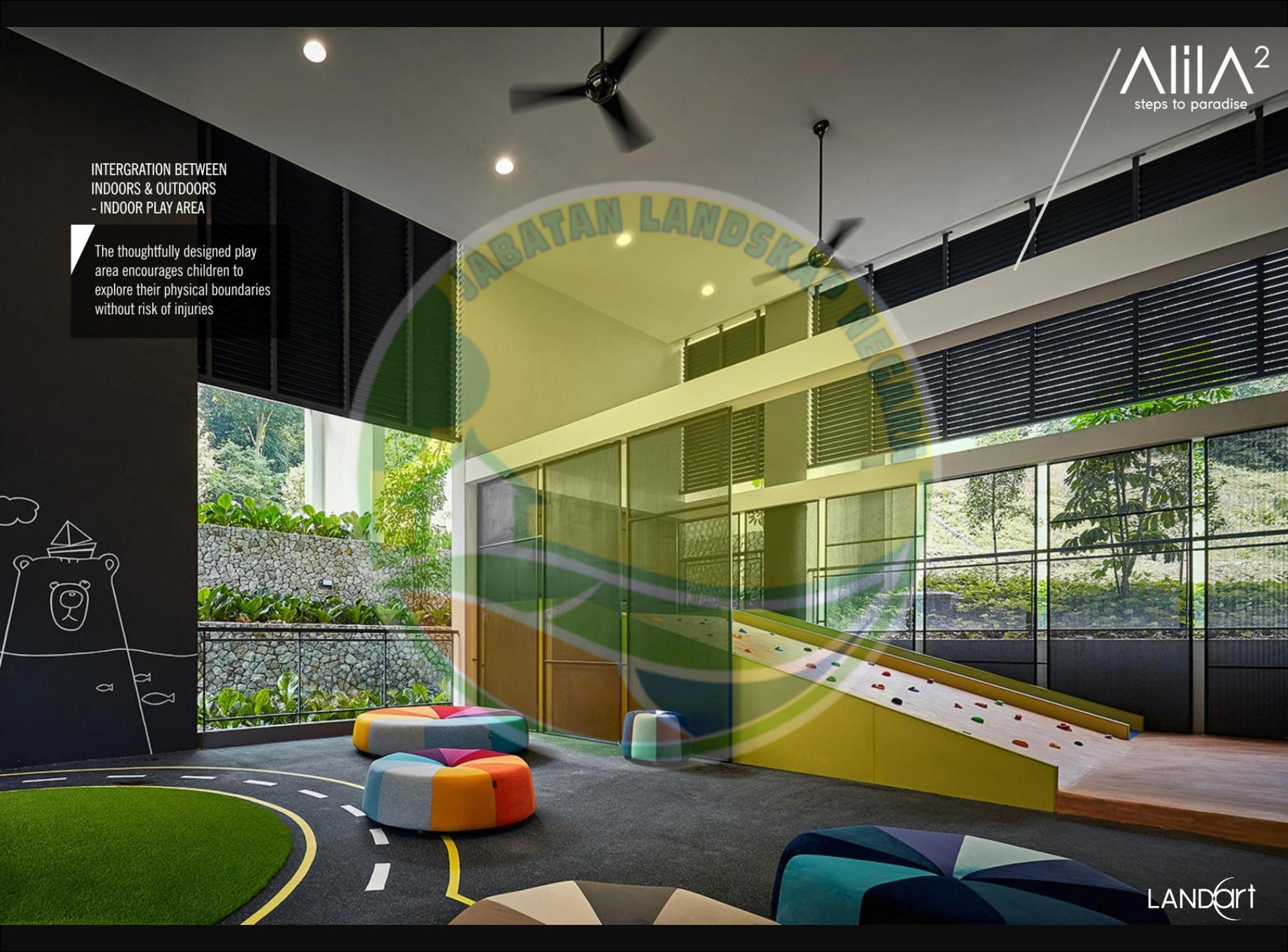
LABATAN LANDSKAP NEGARA





INTERGRATION BETWEEN
INDOORS & OUTDOORS
- INDOOR PLAY AREA

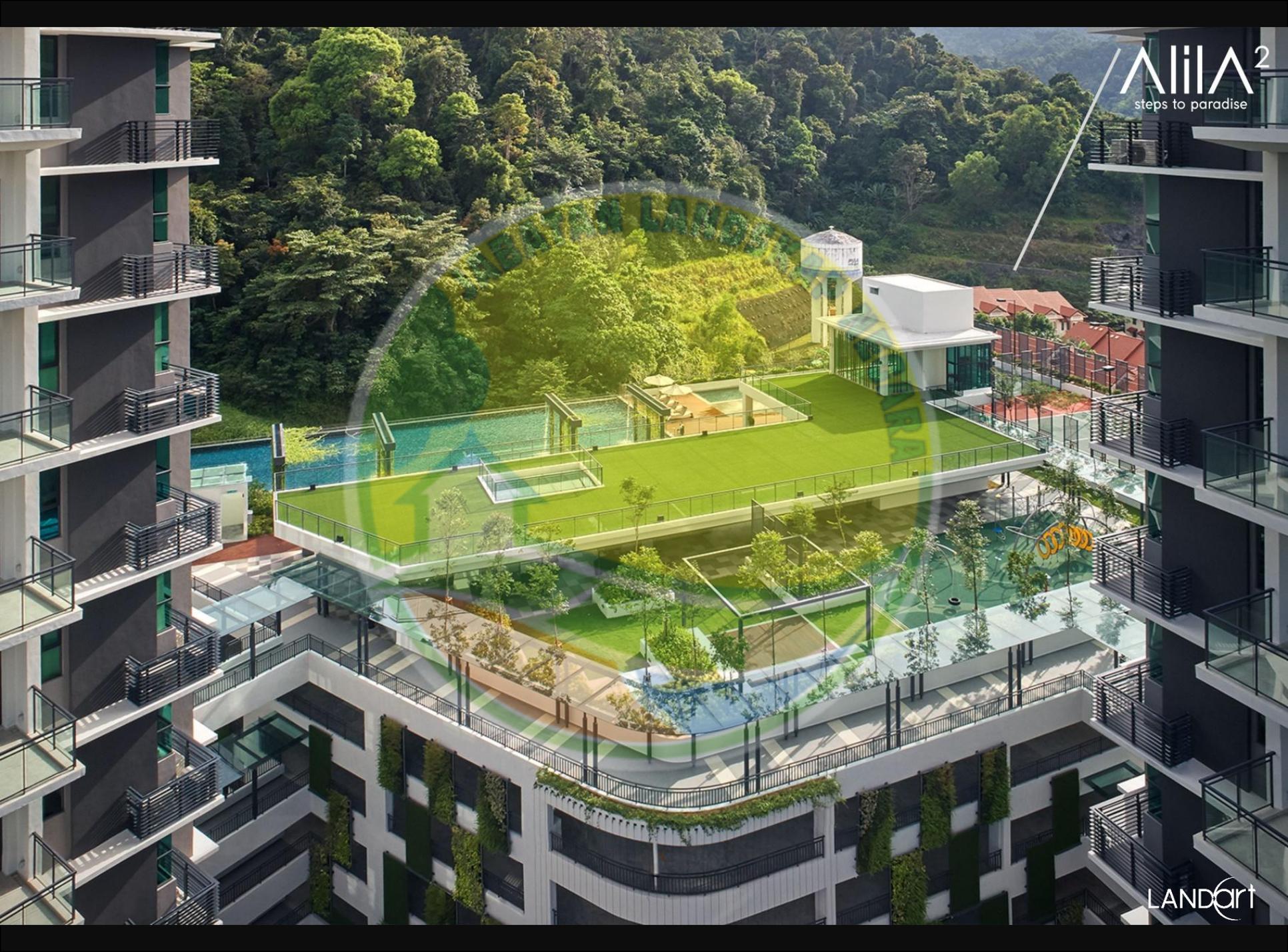
The thoughtfully designed play area encourages children to explore their physical boundaries without risk of injuries





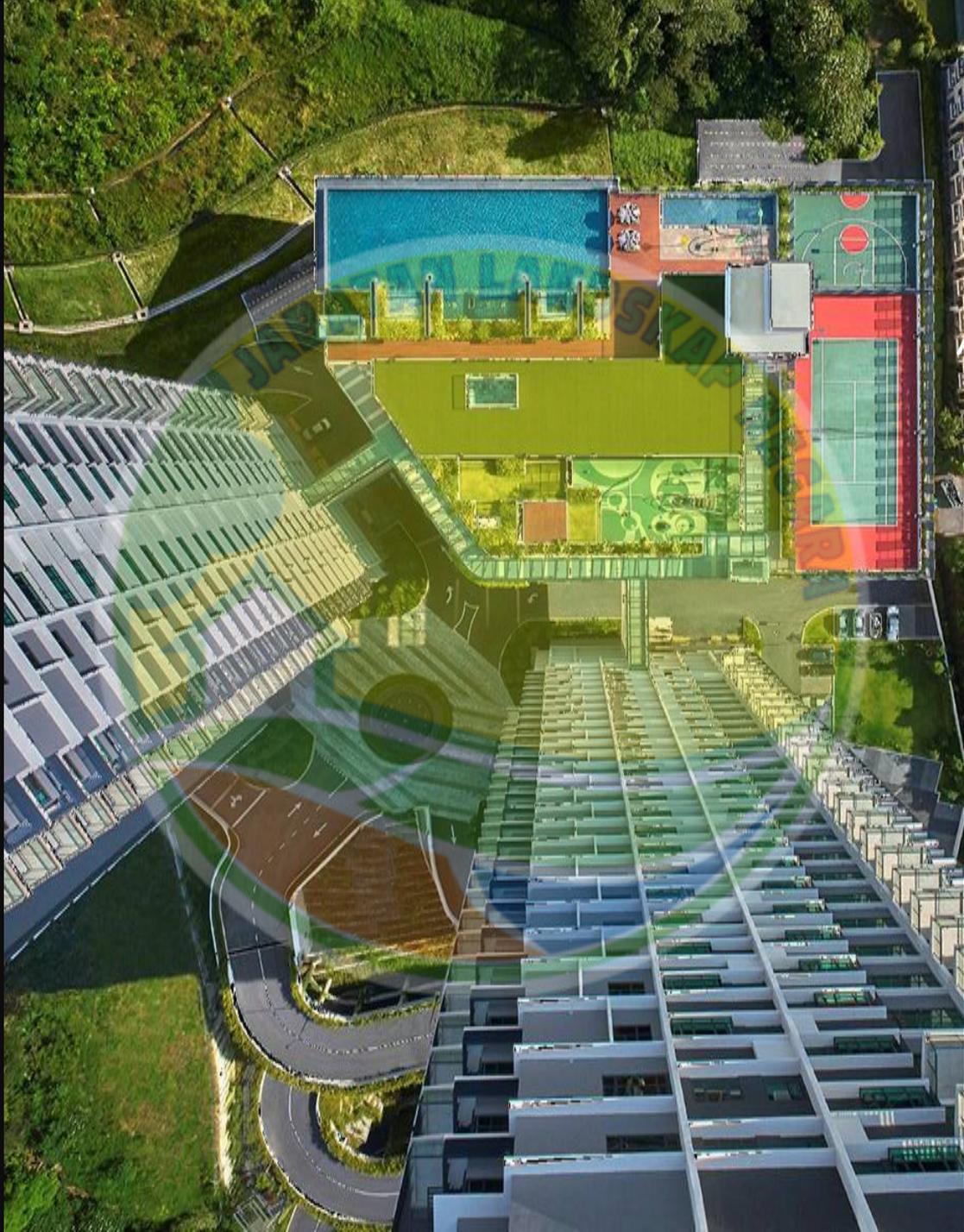


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Alila²
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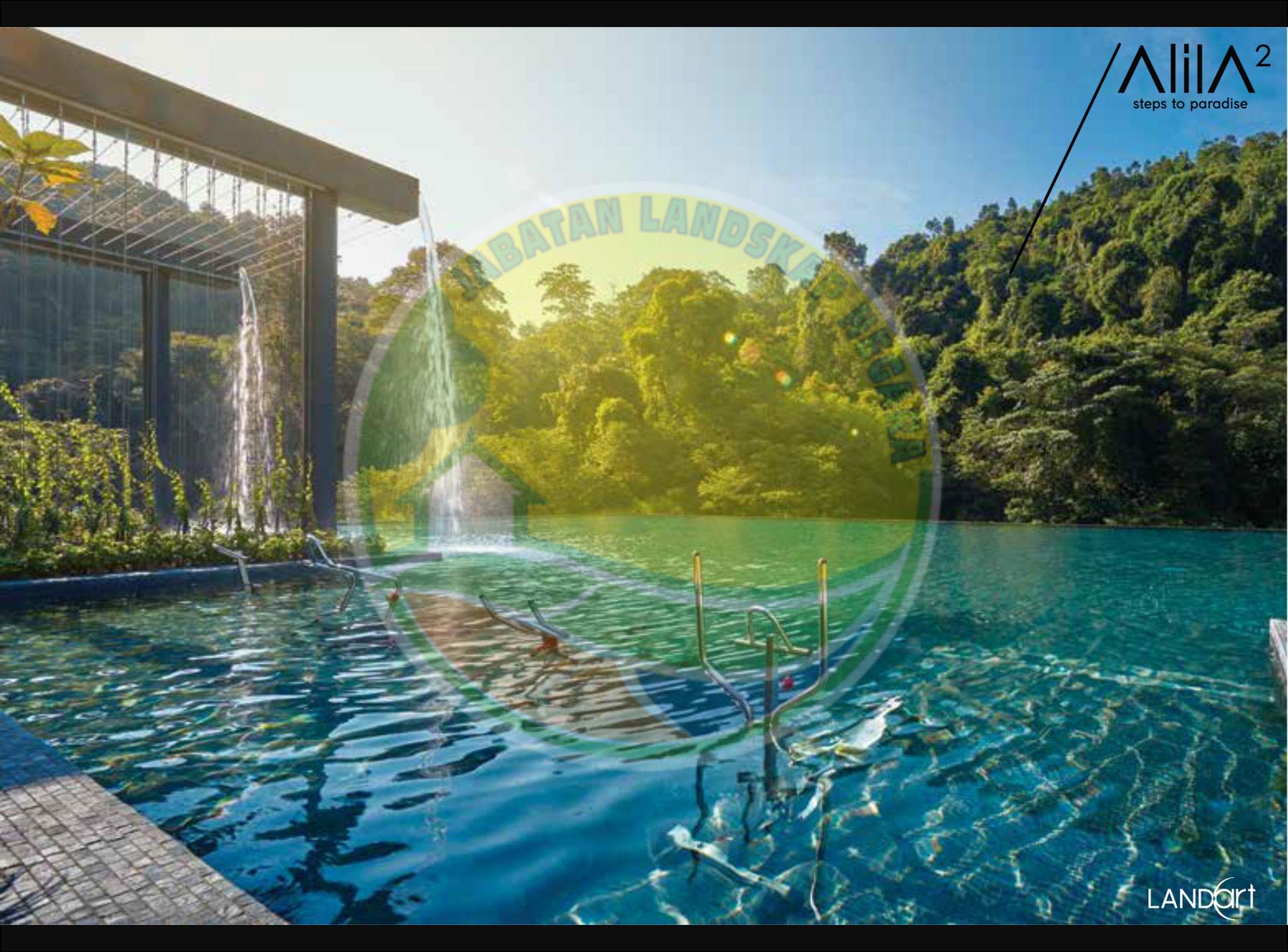
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INFINITY POOL

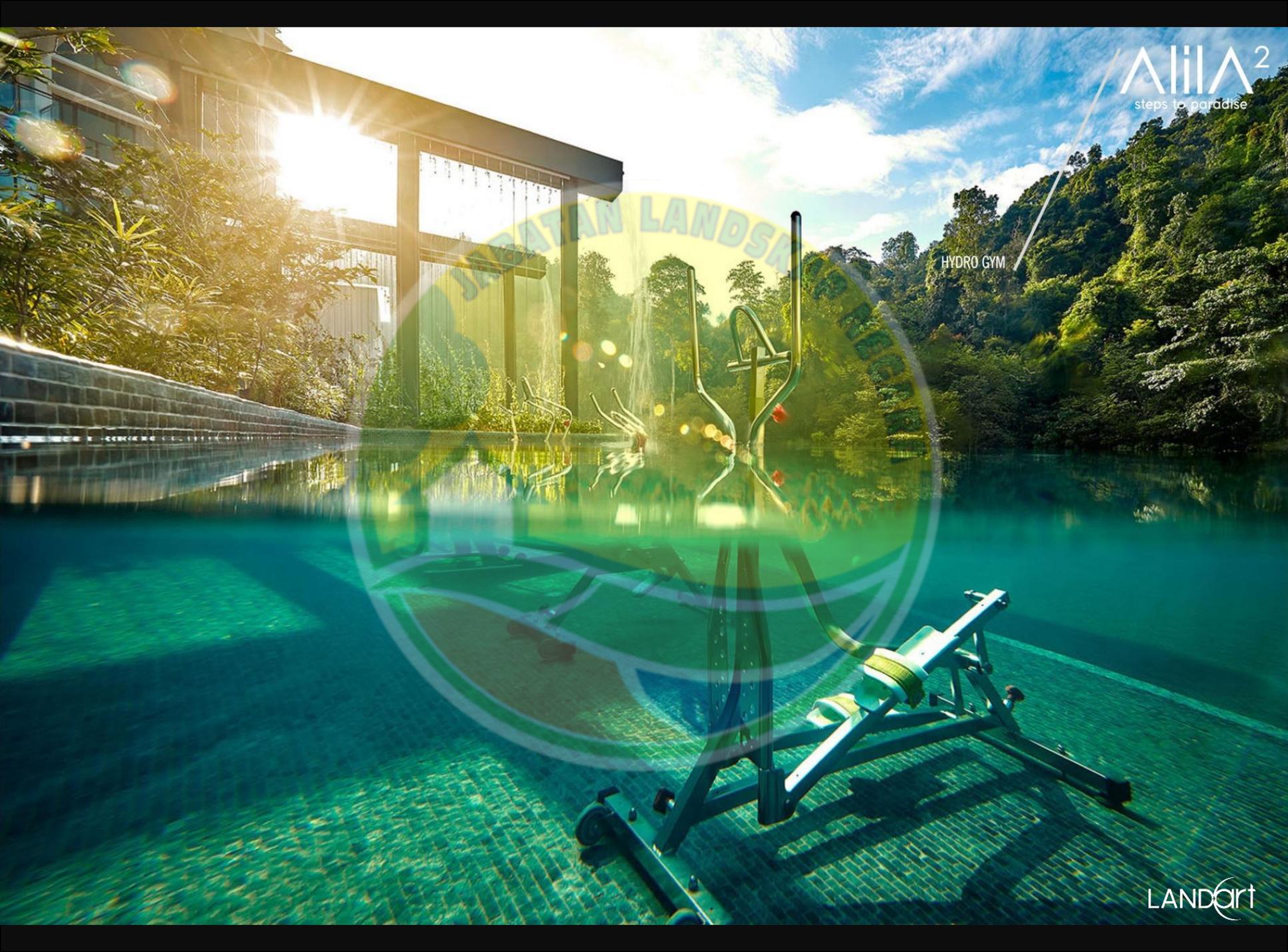
LANDart

JABATAN LANDSK

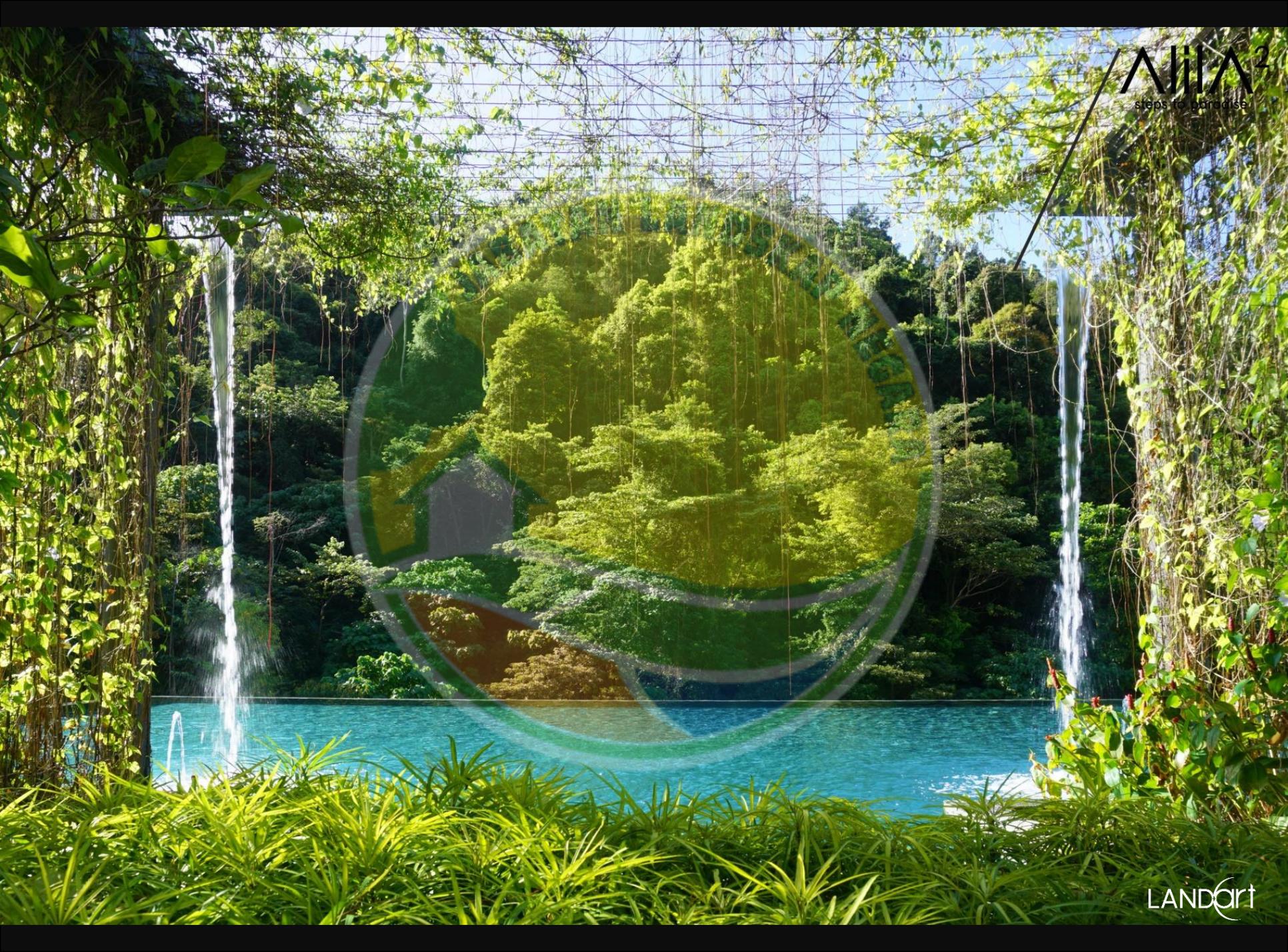


HYDRO GYM

JANTAN LANDSA





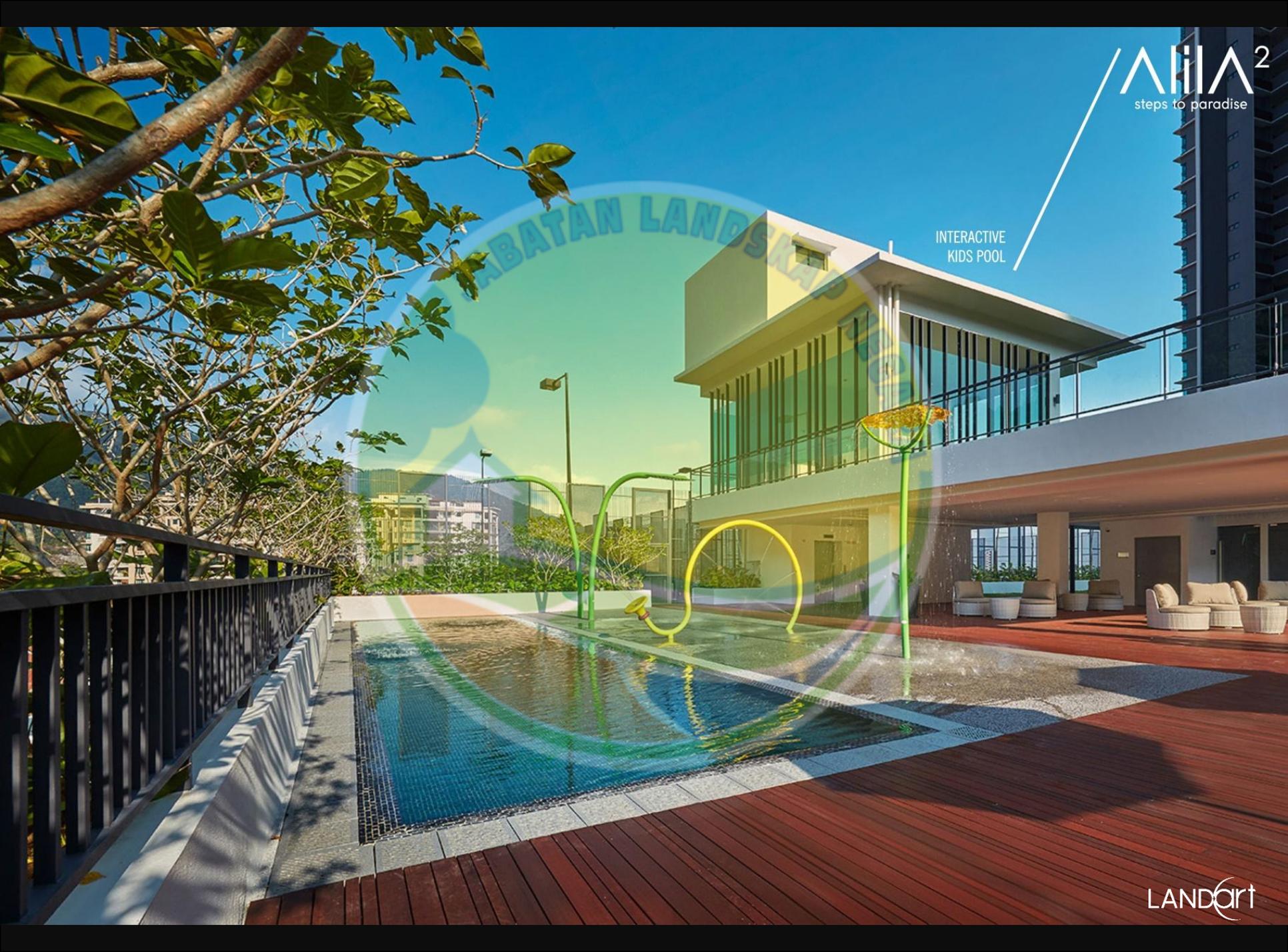


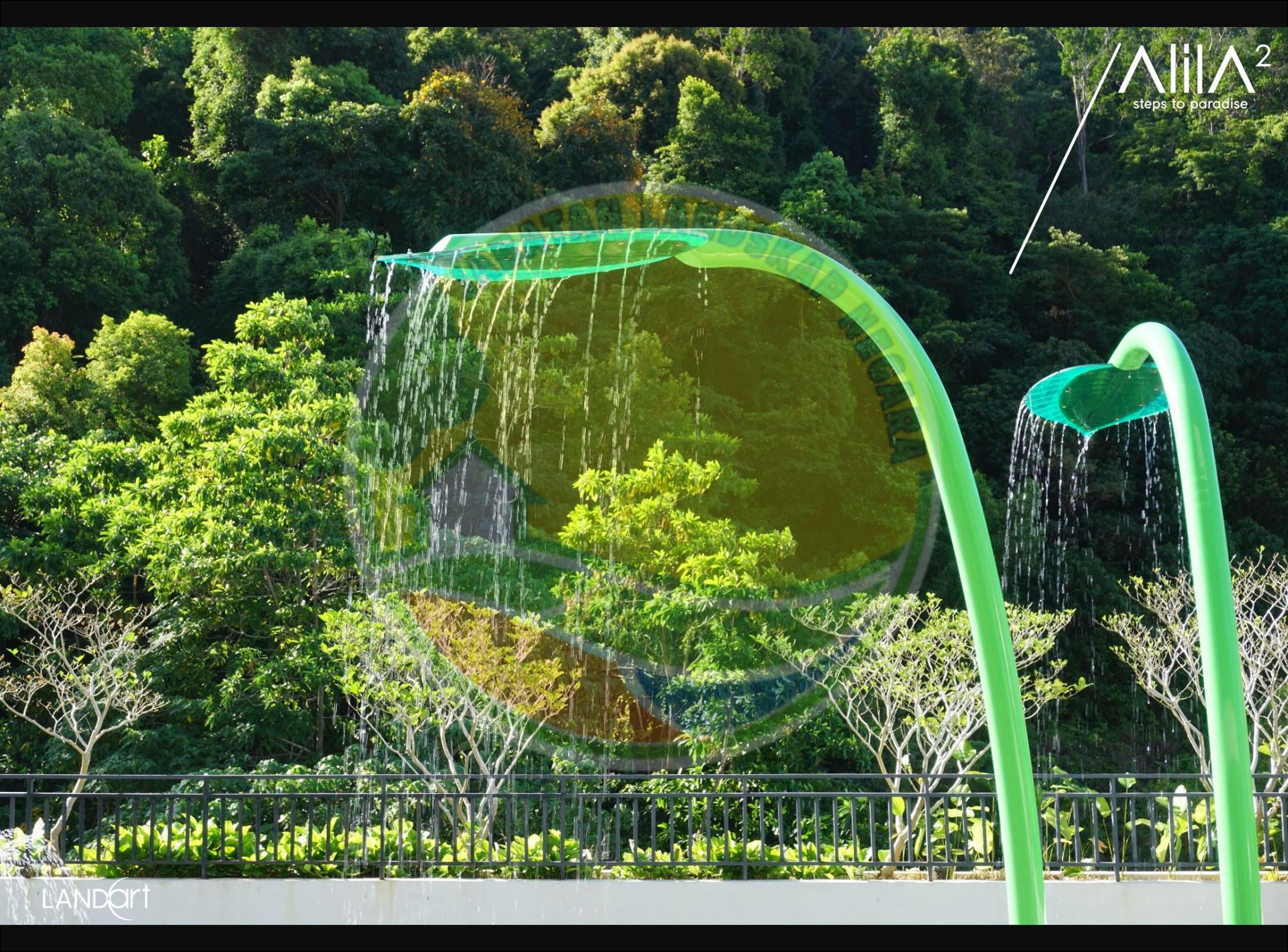
INFINITY POOL

POOL LANDSCAPE

Swimming pool area at podium level has been embraced by the hill view that taken a borrowed-landscape approach bring the resident closes to the nature.

INTERACTIVE
KIDS POOL







OPEN GARDEN

OPEN GARDEN

CONTEMPORARY
DESIGN WIDE OPEN
Gathering space at upper roof
with outstanding views

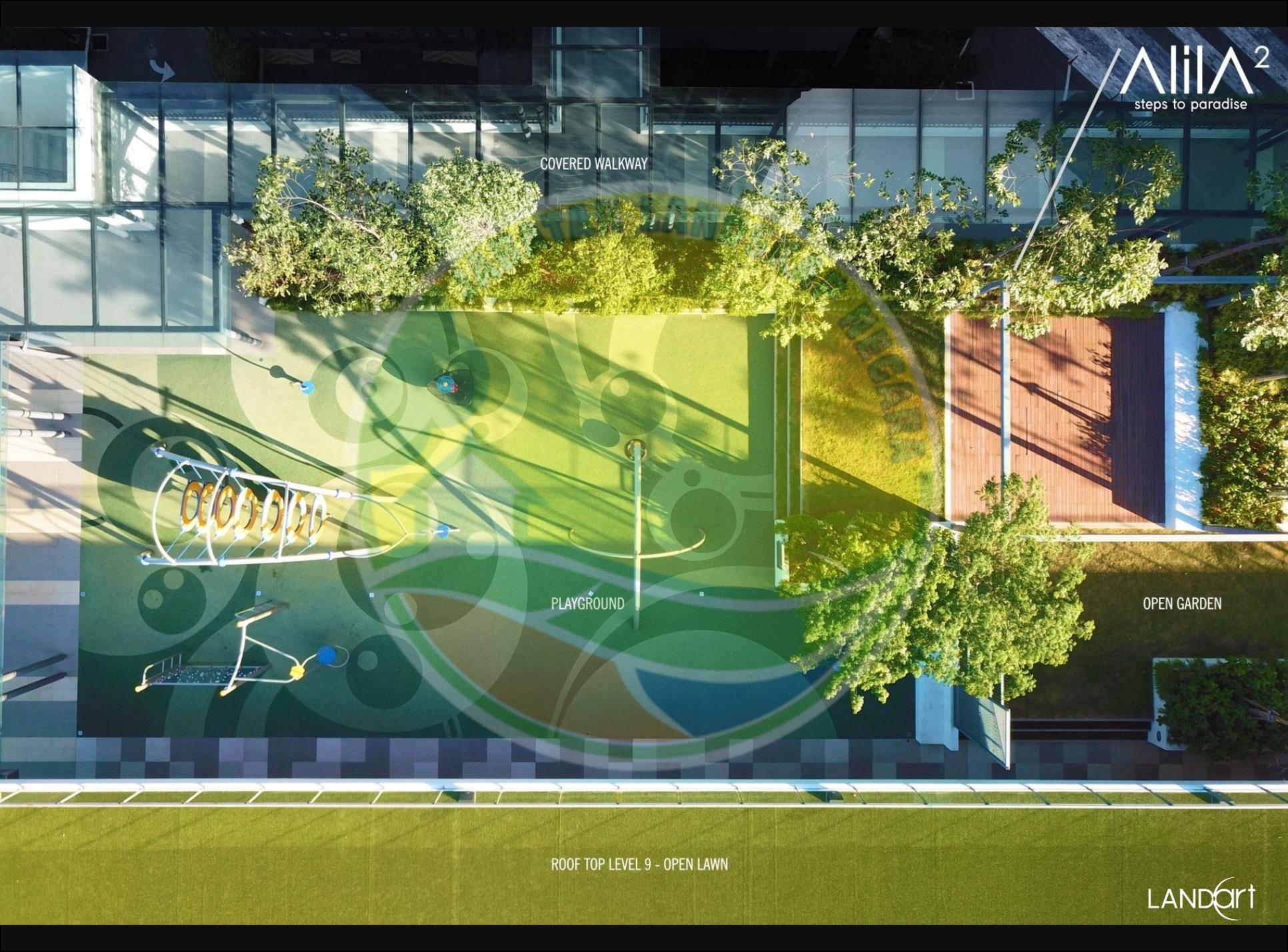


COVERED WALKWAY

PLAYGROUND

OPEN GARDEN

ROOF TOP LEVEL 9 - OPEN LAWN



LABATAN LANDSKAP

PLAYGROUND





FIRE STAIRCASE

PLAYGROUND

ROOFTOP

LIFT CHAMBER

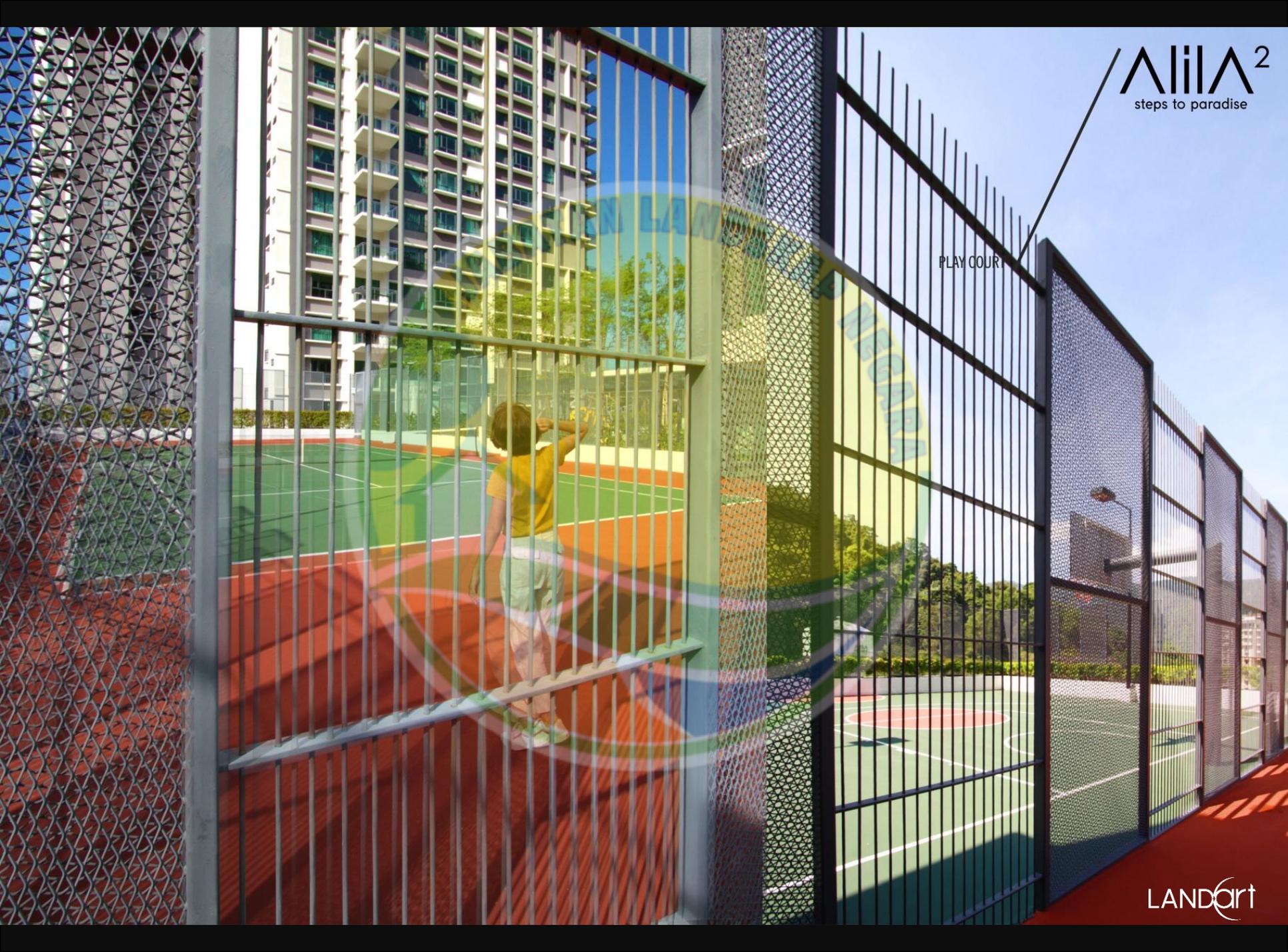
COVERED WALKWAY

TENNIS COURT & HALF BASKETBALL COURT

TENNIS COURT

HALF BASKETBALL COURT

PLAY COURT









GYMNASIUM RULES
Operating Hours: 24 hours

- 1. All members must be accompanied by a valid ID card.
- 2. All members must be accompanied by a valid ID card.
- 3. All members must be accompanied by a valid ID card.
- 4. All members must be accompanied by a valid ID card.
- 5. All members must be accompanied by a valid ID card.
- 6. All members must be accompanied by a valid ID card.
- 7. All members must be accompanied by a valid ID card.
- 8. All members must be accompanied by a valid ID card.
- 9. All members must be accompanied by a valid ID card.
- 10. All members must be accompanied by a valid ID card.

Alila²





ENJOY YOUR FAVOURITE MOVIES IN YOUR OWN THEATRE. UNWIND IN THE JACUZZI AND MASSAGE ROOM. OR SIMPLY CHILL OUT IN THE WELCOMING LOBBY.

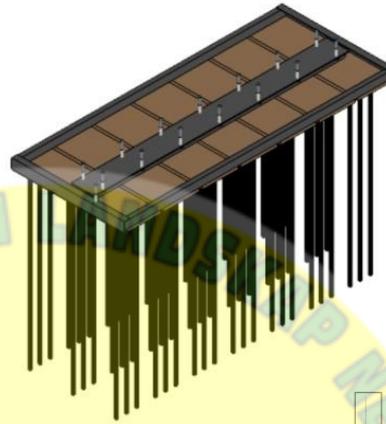
CLUB HOUSE FACILITIES

RAIN DROP PANELLING

RAIN DROP PANELLING

The sound of the water crashing down and the raindrops bouncing off the surface was very hypnotic and very relaxing. This approach was implemented to synchronize to the feature surrounding it

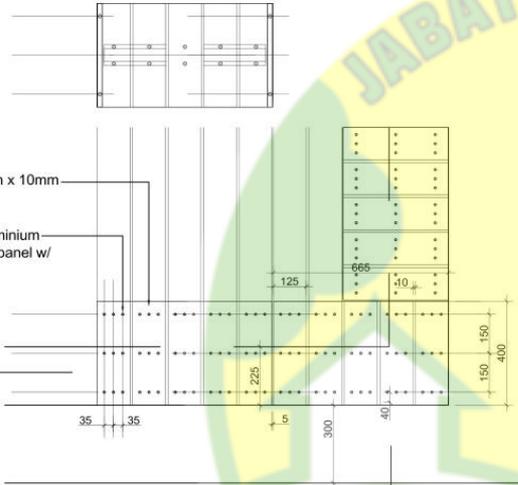
RAIN DROP PANELING DETAIL ISOMERIC



400mm length x 125mm width x 10mm thk. composite wood panel

Ø10mm x 600mm height Aluminium rod fixed to Composite wood panel w/ 35mm distance per panel

E-1



CEILING PLAN

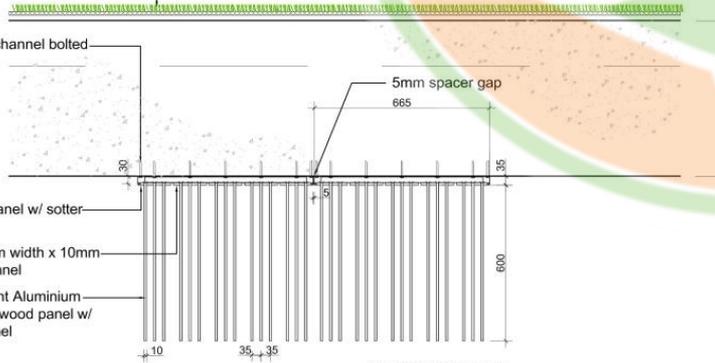
Upper slab w/ Artificial grass to LA's approval

30mm height sotter C-channel bolted to r.c ceiling

End composite wood panel w/ sotter groove

400mm length x 125mm width x 10mm thk. composite wood panel

Ø10mm x 600mm height Aluminium rod fixed to Composite wood panel w/ 35mm distance per panel



SECTION E-1

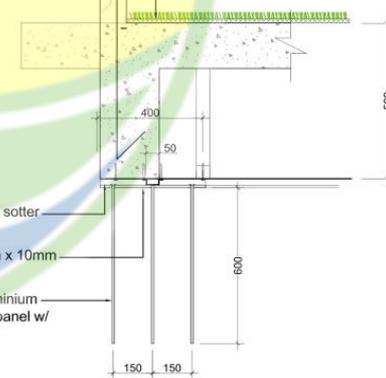
Upper slab w/ Artificial grass to LA's approval

900mm height glass railing

End composite wood panel w/ sotter groove

400mm length x 125mm width x 10mm thk. composite wood panel

Ø10mm x 600mm height Aluminium rod fixed to Composite wood panel w/ 35mm distance per panel



SECTION E-2

RAIN-DROP FEATURE CEILING

Scale 1:15



BATAN LANGKAT

GREEN INITIATIVES

GREEN BUILDING INDEX - GOLD

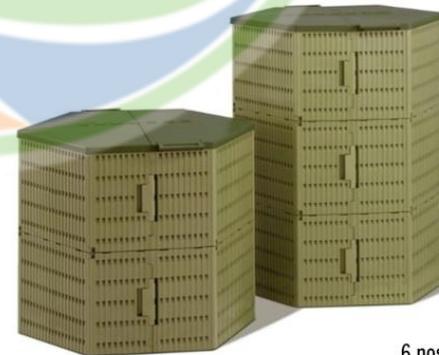
ESTIMATE COMPOST BIN REQUIREMENT

Proposed : 6 nos of bins
 Capacity : 600 liter capacity per bin approx. 15kg of composed (as per manufacturer's specification)
 Total Capacity : 3600 liter from 6 compost bin
 Total Volumn : approx. 90kg of compost fertilizer

FERTILIZER REQUIREMENT	UNITS	QUANTITY	RATE	TOTAL REQ. KG
1 Trees Ground Level	nos	130	gm/tree	150
2 Small trees Level 7	nos	48	gm/tree	150
3 Turfing	sqm	2295	gm/tree	20
4 Herbs Garden	sqm	1820	gm/tree	50
TOTAL FERTILISER REQUIRED				163.6
50% OF REQUIREMENT				81.8
NO. COMPOST BIN REQUIRED			15kg/bin	5.45

* The compost fertiliser to be used for trees, palm & shrubs only (excluding original landscape area)

Total Fertilizer requirement = 163kg
 Compost Fertilizer 90kg = 55% of Total Requirement



6 nos Compost Bin Location



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SOFTSCAPE FACTS

434 nos of trees

37,563 nos of shrubs

25% of herbs species

8,165 nos of creepers & climbers

41,832 nos of groundcovers

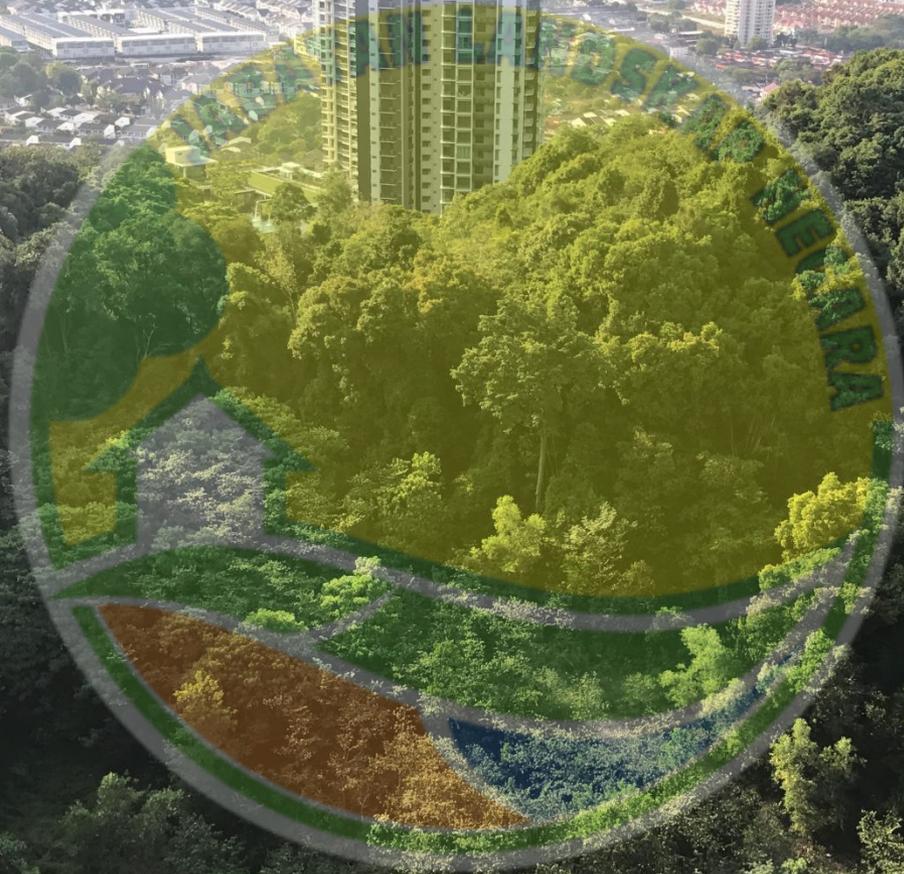
2,864 square feet of turf

Murraya paniculata



When the black ants walk to search of *Belamcanda chinensis* flower sweetness, there are still many other flowers to explore

Alila²
steps to paradise



LANDart



JABATAN LANDSKAP NEGARA

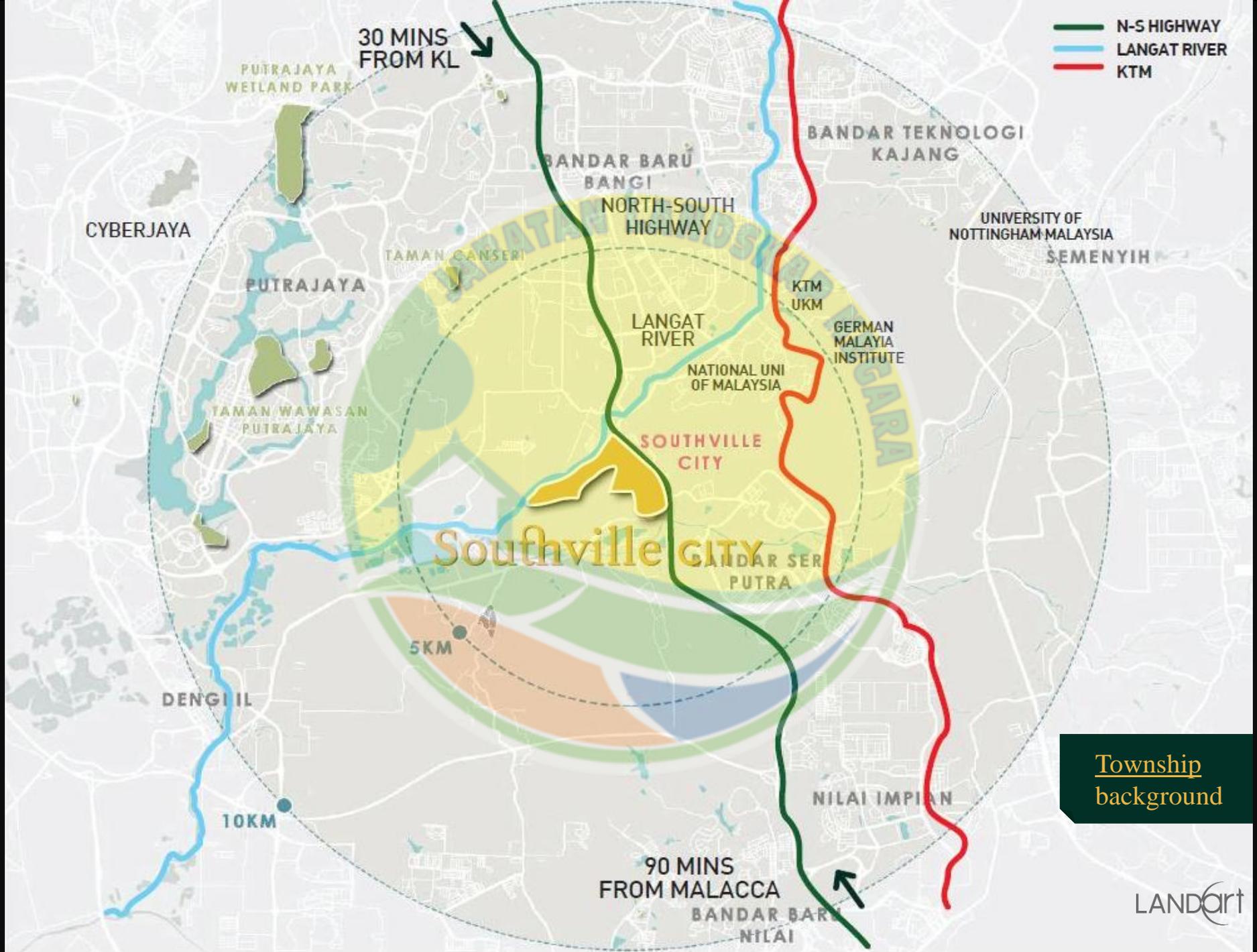
BACK TO ALILA

Caesalpinia pulcherrima



SUMMIT PARK @ Southville city

SEPANG, SELANGOR



Township
background

Masterplan



SITE AREA = 419.74 ac.
SITE PLAN
2020.01.13.0500

- toll plaza
- summit park public park
- sensory high rise residential
- avens residence landed residential
- savanna suites high rise resi + commercial
- cerrado high rise residential
- savanna plaza commercial
- streetscape (ph1)

Streetscape

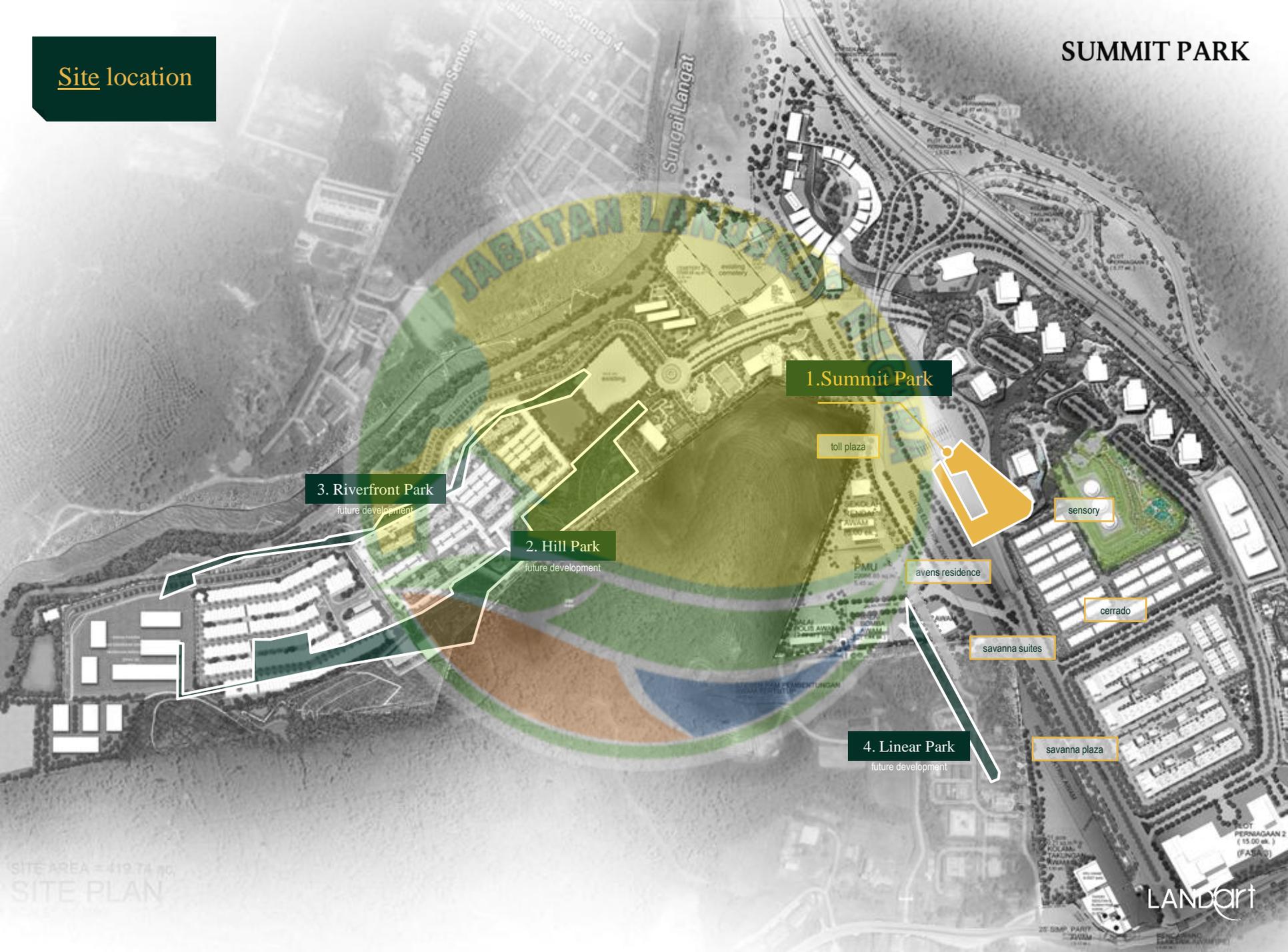


Southville city



Site location

SUMMIT PARK



3. Riverfront Park

future development

2. Hill Park

future development

1. Summit Park

toll plaza

sensory

avens residence

cerrado

savanna suites

savanna plaza

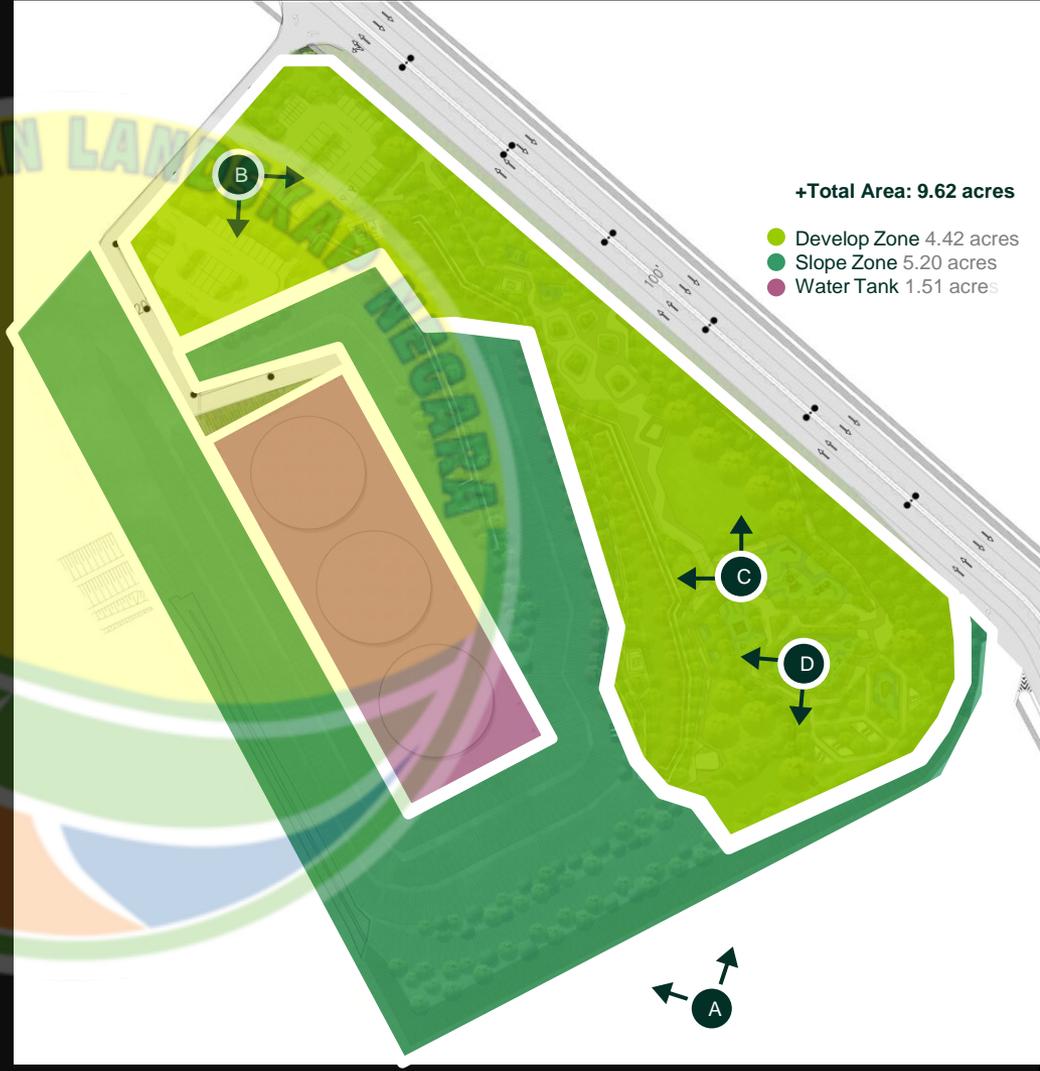
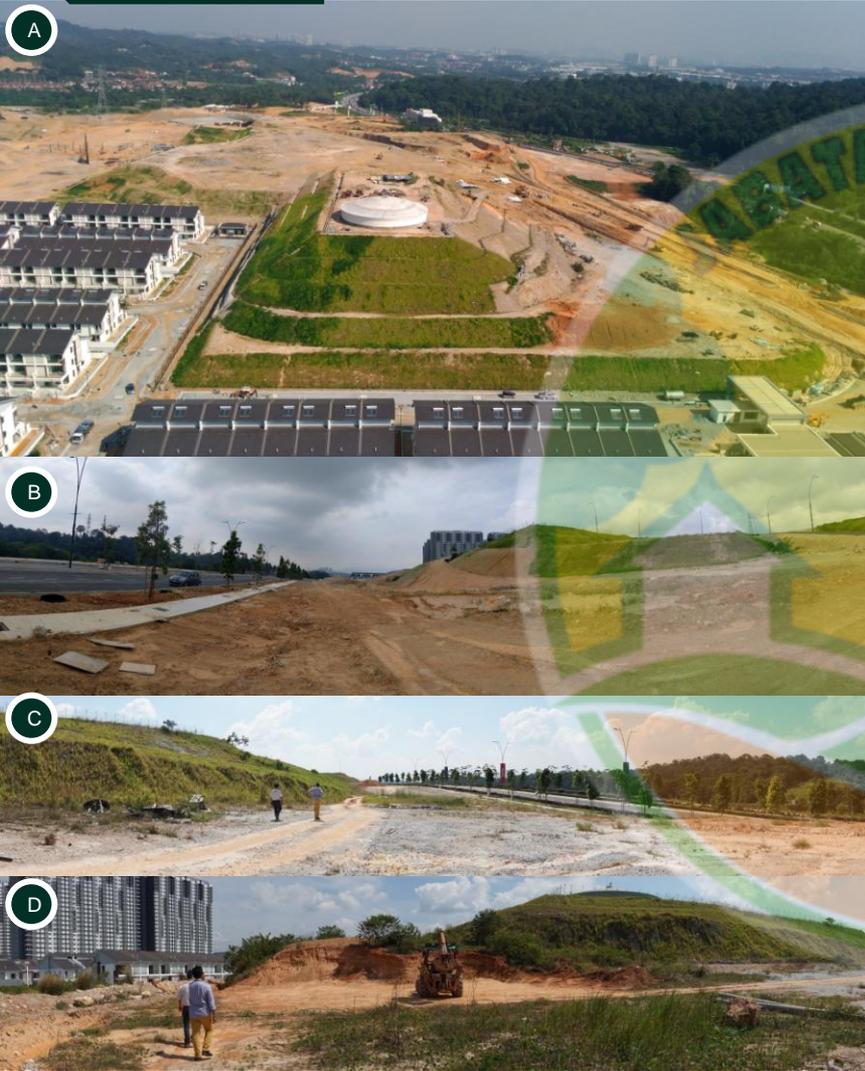
4. Linear Park

future development

SITE AREA = 419.74 ha
SITE PLAN

LANDart

Existing site



Site issues



Poor Soil Condition

Top soil have been remove during earthworks
Bare surface & rocky soil
Sandstone / Clay (S.I. Report)

+



Steep Terrain Area

Average 1:1.5 slope gradient
Limited area for development
Terrace hill landform
Minimizing the disturbance to the
engineered slope

+

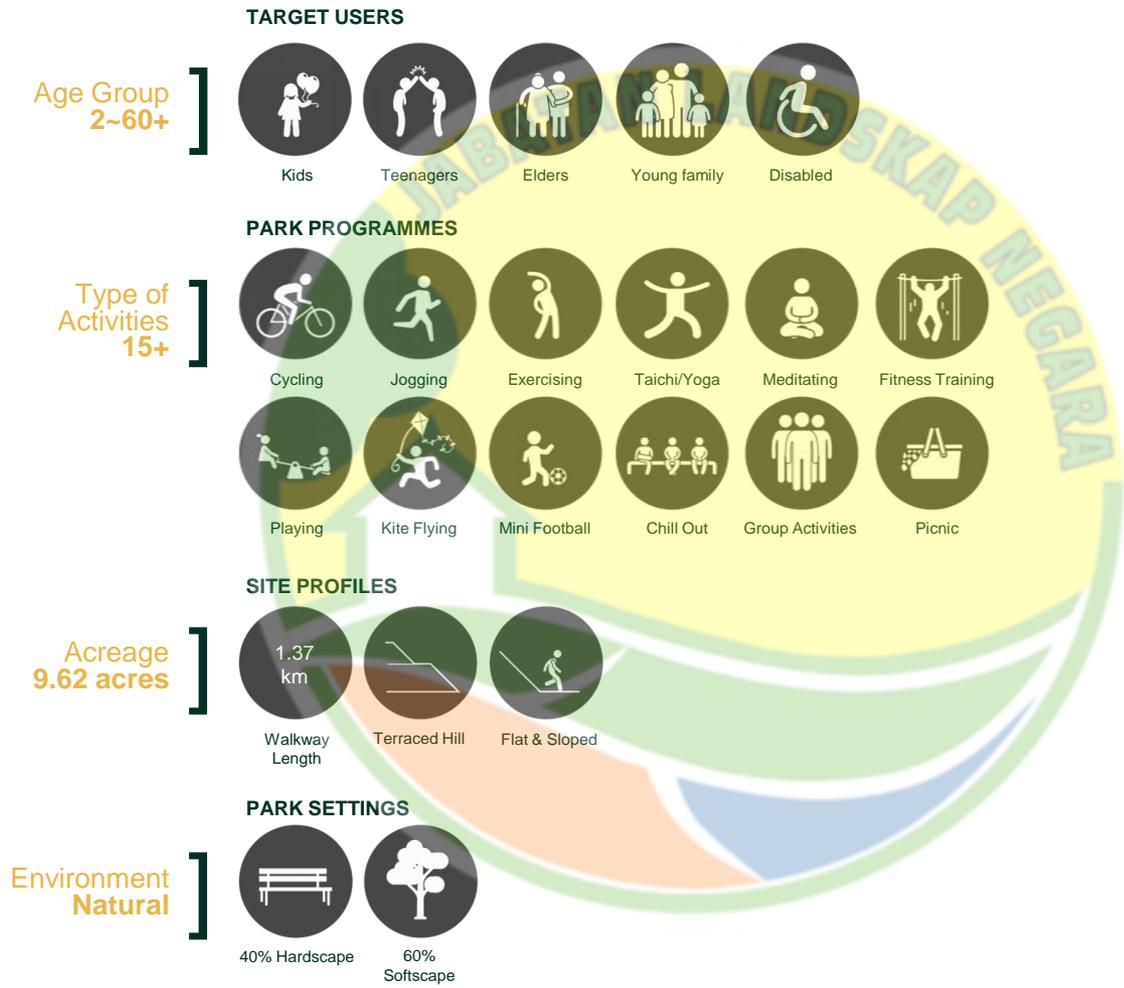


Heat Stress

Massive land clearing in 2013
Unpleasant thermal comfort

+design objective

Urban Forest Park



Masterplan

SUMMIT PARK

+Legend

- 1 Public Entrance
- 2 Children Playground 822sqm
- 3 Outdoor Fitness Station 250sqm
- 4 Picnic Area 500sqm
- 5 Meditation Area 380sqm
- 6 Pavilion 3 nos
- 7 Multipurpose Lawn 950sqm
- 8 The Pinnacle 700sqm
- Skate Park Feat. Planter
- 9 Summit Trail 80m
- 10 Public Toilet
- 11 Public Car Park 58 nos
- 12 Interlocking Block Wall System
- 13 Water Tank



Project
walkthrough

+ aerial view (overall)



pavilion / meditation

summit pavilion

summit trail

toilet

parking

picnic area

fitness station

playground

lawn

pinnacle

AVENS

Project
walkthrough

+ entrance signage



Project
walkthrough

+ entrance signage



Project
walkthrough

+ access ramp



Playground

+ aerial view



Playground

+ aerial view

play area

1

play area

3

play area

2

- 800m2 area
- 3 different play area with different age groups
- 18 play equipment with more than 50 play components
- certified safety compliance playground

Playground

+ play area 1



Playground

+ play area 2



Playground

+ play area 3





CPSI

Certified Playground Safety Inspectors

Playground

Safety compliance

playground safety specialists who use their education, knowledge, training and experience to examine playground design, fabrication, installation and management through inspection and audit, and recommend measures to enhance the safety of playground, and attempt to reduce the risks of playing on playgrounds

+ safety concern priority rating

RATING	DESCRIPTION	CORRECTIVE ACTION
Safety Concern Priority	Conditions Likely to Cause	Conditions should be corrected
PRIORITY 1	Non-compliant safety concern that may result in permanent disability, loss of life or body parts.	Immediately
PRIORITY 2	Non-compliant safety concern that may result in temporary disability.	As soon as possible
PRIORITY 3	Non-compliant safety concern that is likely to cause a minor (non-disabling) injury.	When time permits
PRIORITY 4	Non-compliant safety concern whose potential to cause an injury is minimal.	If condition is worsen
PRIORITY 5	The item has been determined to be compliant with the Owner/operator's operating policy and standard of care.	Continued ongoing preventive maintenance is recommended





Project
walkthrough

+ outdoor picnic area
(aerial view)



Project
walkthrough

+ outdoor picnic area



Project
walkthrough

+ outdoor picnic area





Project
walkthrough

+ seating area



Project
walkthrough

+ aerial view (overall)

SUMMIT PARK

+ aerial view (overall)

pinnacle



Project
walkthrough

+ the pinnacle (aerial view)



Project
walkthrough

+ the pinnacle (aerial view)

SUMMIT PARK



Project
walkthrough

+ the pinnacle



Project
walkthrough

+ the pinnacle



Project
walkthrough

+ the pinnacle





Project
walkthrough

+ multipurpose lawn



Project
walkthrough

- + stage mound
- + multipurpose lawn



Project
walkthrough

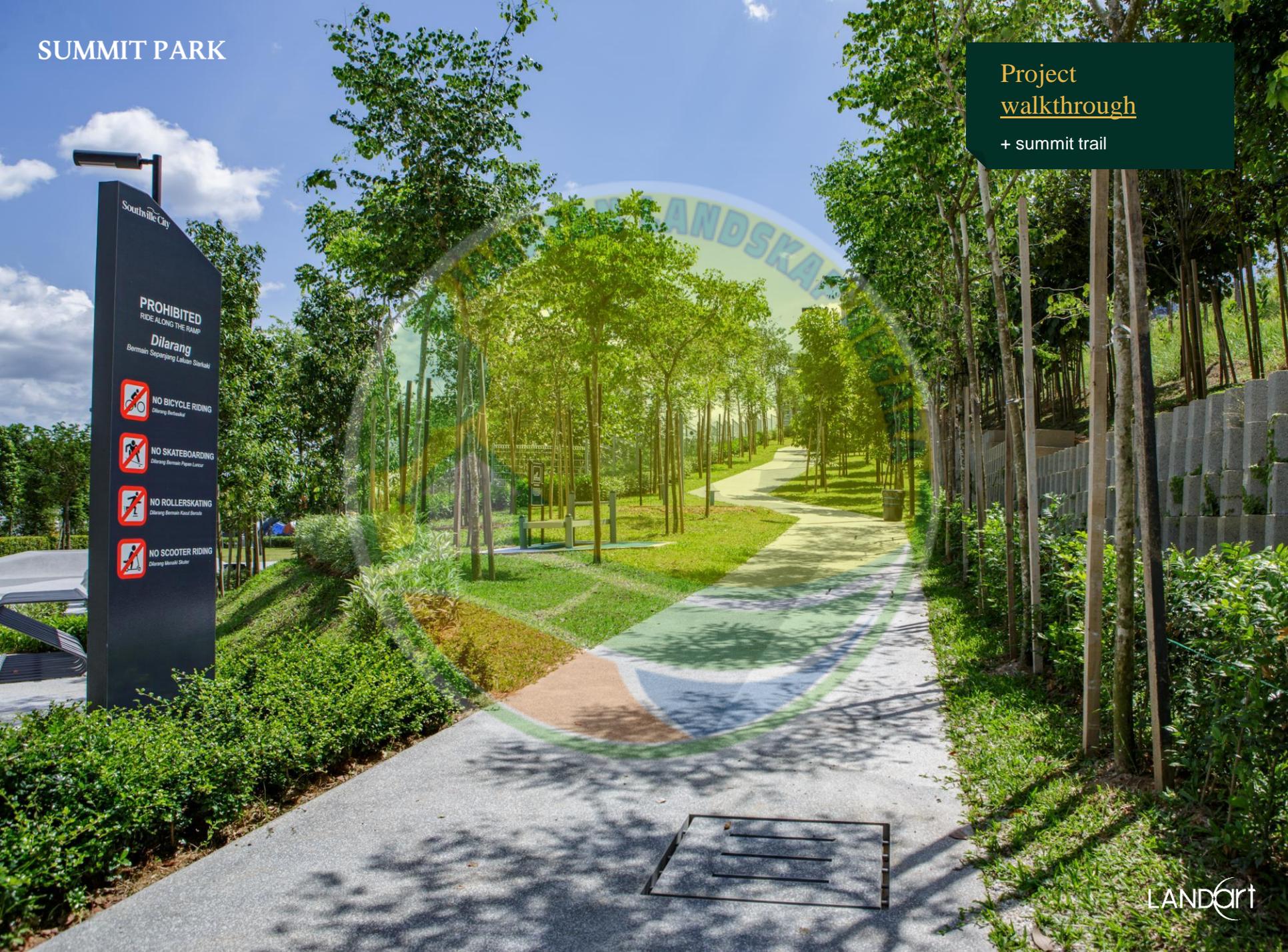
+ aerial view (slope /
pinnacle area)



Project
walkthrough

- + the pinnacle
- + integrated outdoor fitness station





Southville City

PROHIBITED
RIDE ALONG THE RAMP

Dilarang
Bermain Sepanjang Lantai Sierkaik

NO BICYCLE RIDING
Dilarang Bersepeda

NO SKATEBOARDING
Dilarang Bermain Papan Luncur

NO ROLLERSKATING
Dilarang Bermain Kacam Sandak

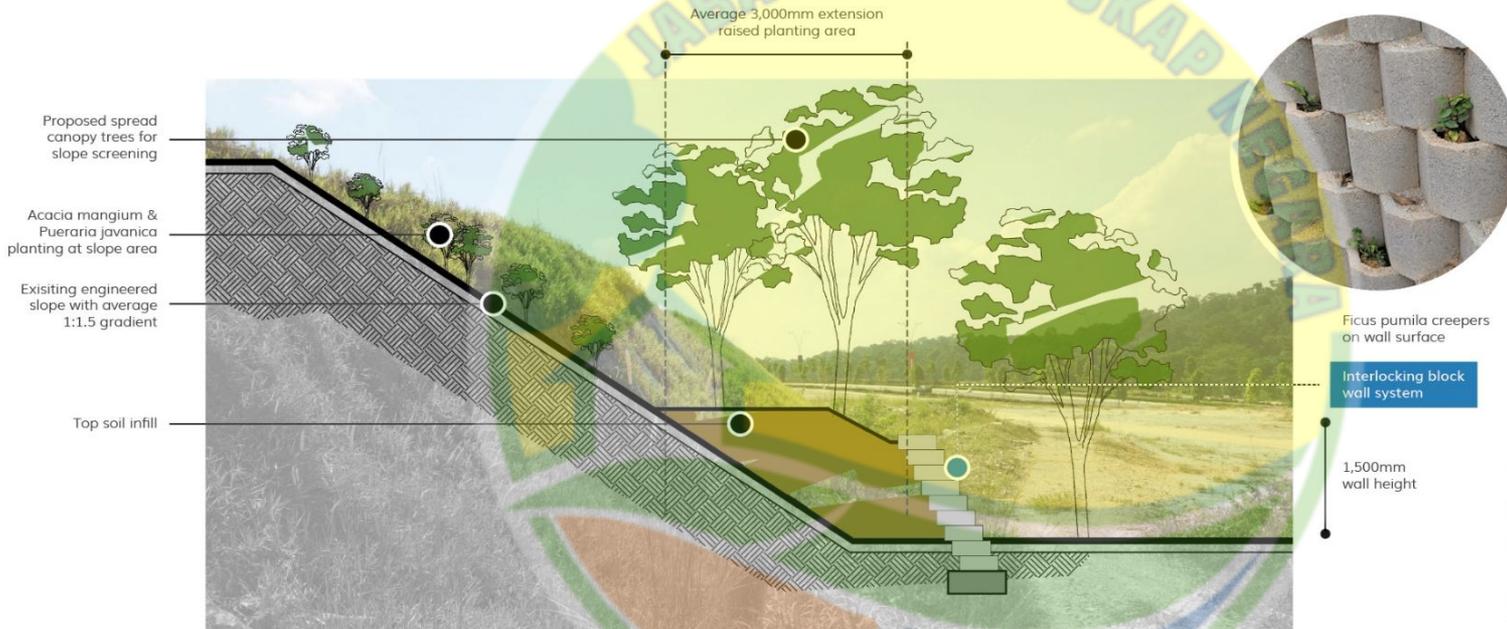
NO SCOOTER RIDING
Dilarang Bermain Skate

SUMMIT PARK

Project
walkthrough

+ summit trail

INTERLOCKING BLOCK WALL SYSTEM



The major challenge of this project is to revamp the wasteland into a lush urban forest by crafting it through a landscape treatment. Planting selection were consulted with certified Arborist, and the species were selected to adapt and sustain with site nature. The development of the park avoids major earthworks to the natural environment. Steep terrain area treated with block wall as a planter filled with forest tree species as well as minimizing the disturbance to the engineered slope. Rocky slope surface were treated with legumes plants that will provide biomass as organic compost to poor soil condition. Acacia mangium, a fast-growing tropical leguminous tree were planted along the buffer zone for reforestation purpose.





JABATAN LANDSKAP NEGARA

SUMMIT PARK

Project walkthrough

+ outdoor fitness station



Project
walkthrough

- + reflexology path
- + outdoor fitness station



SUMMIT PARK

Project
walkthrough

+ pavilion 1





- PLANTATIONS
- PUBLIC AREA
- THE PAVILION
- MULTIFUNCTIONAL LAWN
- MEDIATION AREA
- FITNESS STATION
- REFLECTIVE WALK
- TOILET
- PARKING



Project
walkthrough

+ public toilet



SUMMIT PARK

Project
walkthrough

+ public parking



Summit Park
site photo 2018



SUMMIT PARK



+ drainage excavation works of hard material

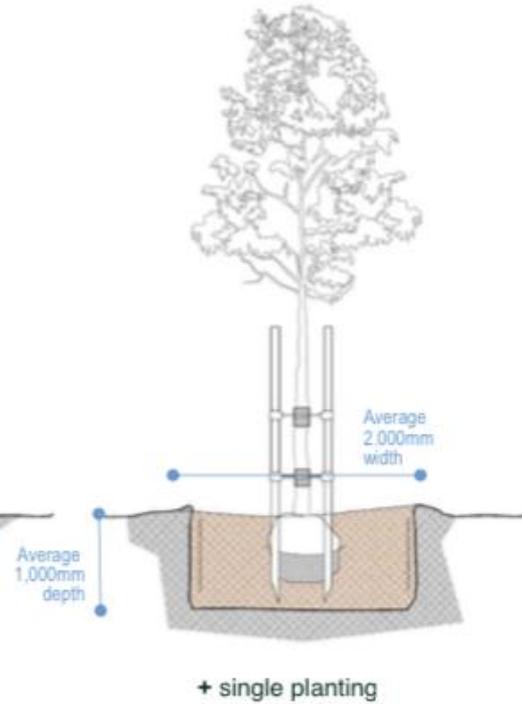
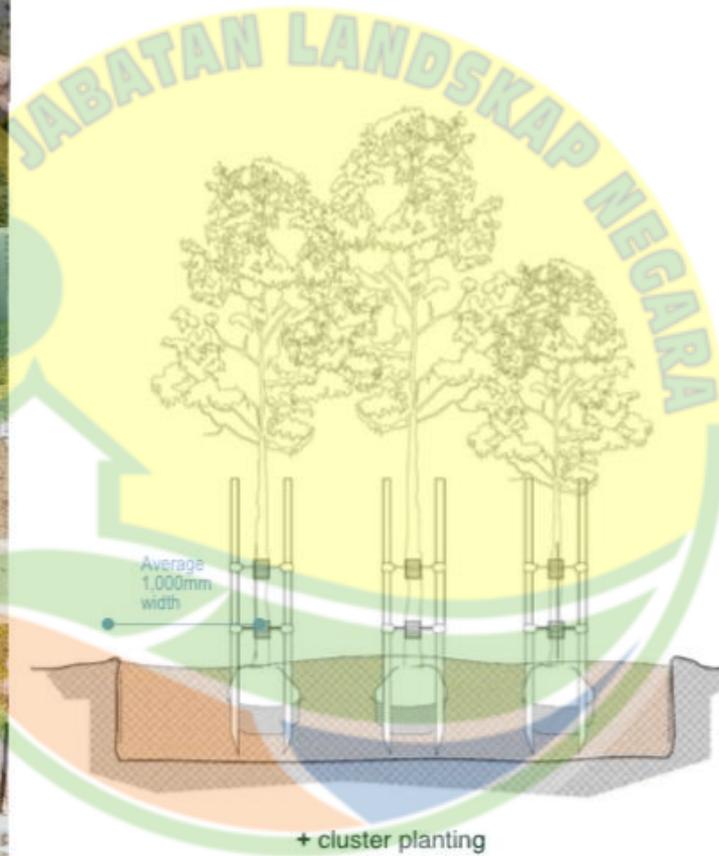


SUMMIT PARK



Planting
approach

+ planting method

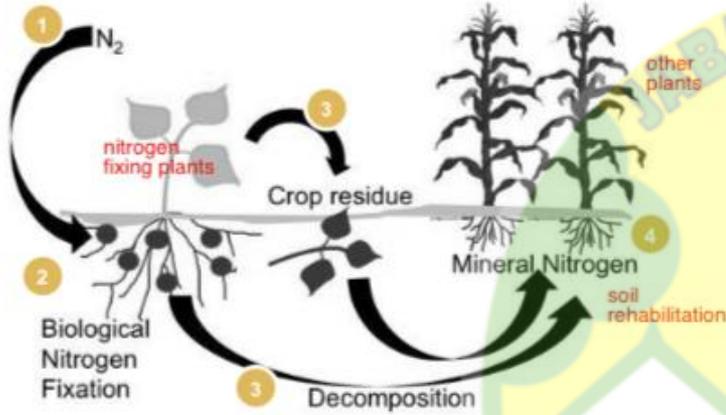


SUMMIT PARK

Planting approach

+ nitrogen fixing plants

+ nitrogen fixing process



Acacia mangium



Pueraria javanica



+4 months planting

LANDART LANDSKAP NE

SUMMIT PARK

2018



2020

LANDart

JABATAN LANDSKAP NEGARA



Biophilic design connecting humans with nature to improve health and well being, and for sustainable living.



JABATAN LANDSKAP NEGARA

**HOPE YOU
LIKE IT**

