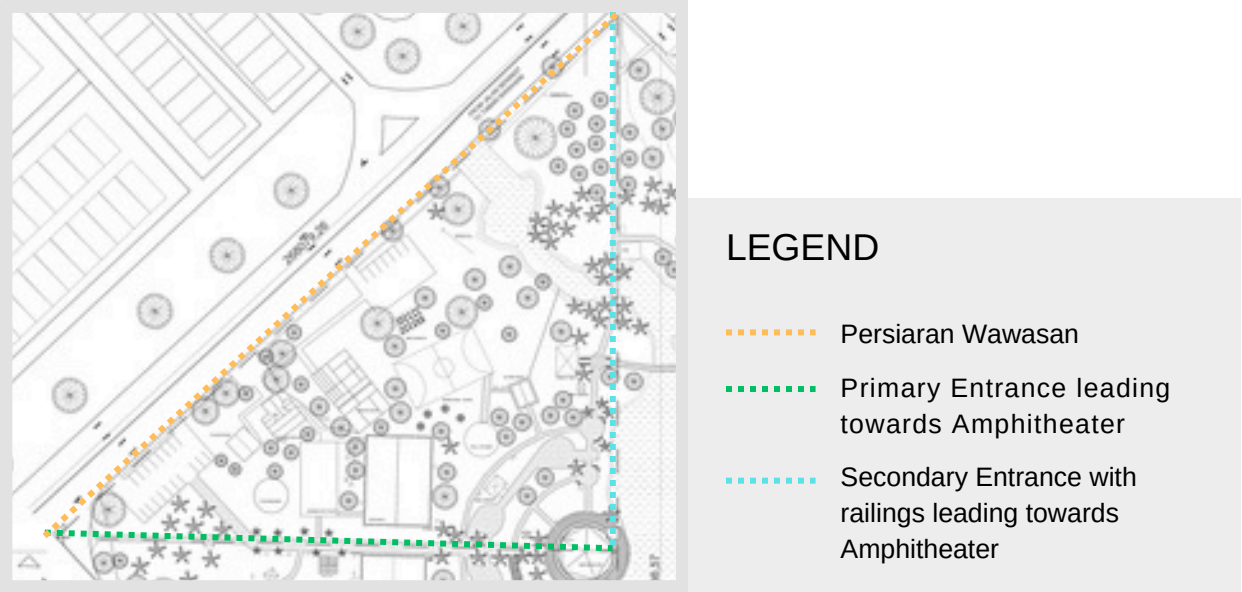


*TAMAN WAWASAN RECREATION CENTRE*  
*SITE DATA COLLECTION*  
*P1A*

# Task 1 - Site Drawing

Panoramic Pictures (North)



Persiaran Wawasan



# Task 1 - Site Drawing

Panoramic Pictures (North)

Primary Entrance leading towards Amphitheater



## LEGEND

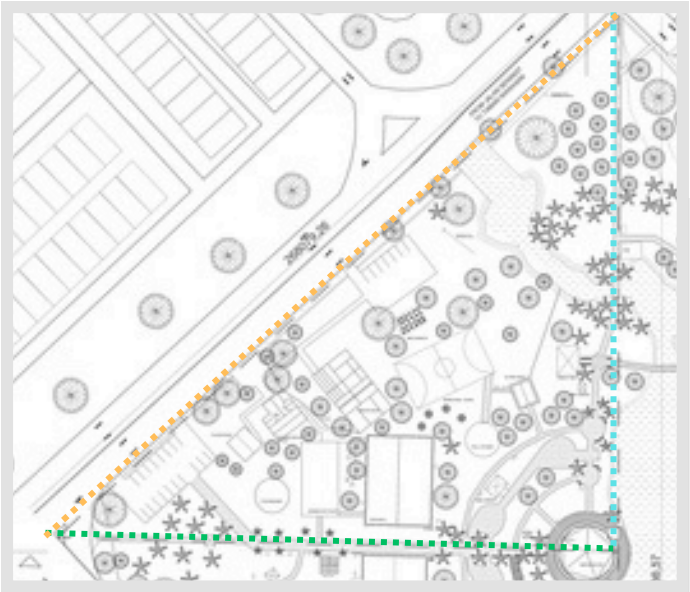
- Persiaran Wawasan
- Primary Entrance leading towards Amphitheater
- Secondary Entrance with railings leading towards Amphitheater



# Task 1 - Site Drawing

Panoramic Pictures (North)

Secondary Entrance with railings leading towards Amphitheater



## LEGEND

- Persiaran Wawasan
- Primary Entrance leading towards Amphitheater
- Secondary Entrance with railings leading towards Amphitheater



# Task 1 - Site Drawing

## Panoramic Pictures (South)

baitul amin mosque to taman wawasan



- LEGEND
- Persiaran Wawasan
  - Primary Entrance leading towards Amphitheater
  - Secondary Entrance with railings leading towards Amphitheater





## Task 1: Macro Site Plan

Persiaran Wawasan, Taman Wawasan, 47100  
Puchong, Selangor

**3°02'01.0"N 101°37'27.9"E**

Taman Wawasan in Puchong is a freehold **mixed residential and commercial** township developed by **Setia Promenade Sdn Bhd** (S P Setia) located strategically between Bandar Puchong Jaya and Bandar Puteri Puchong.

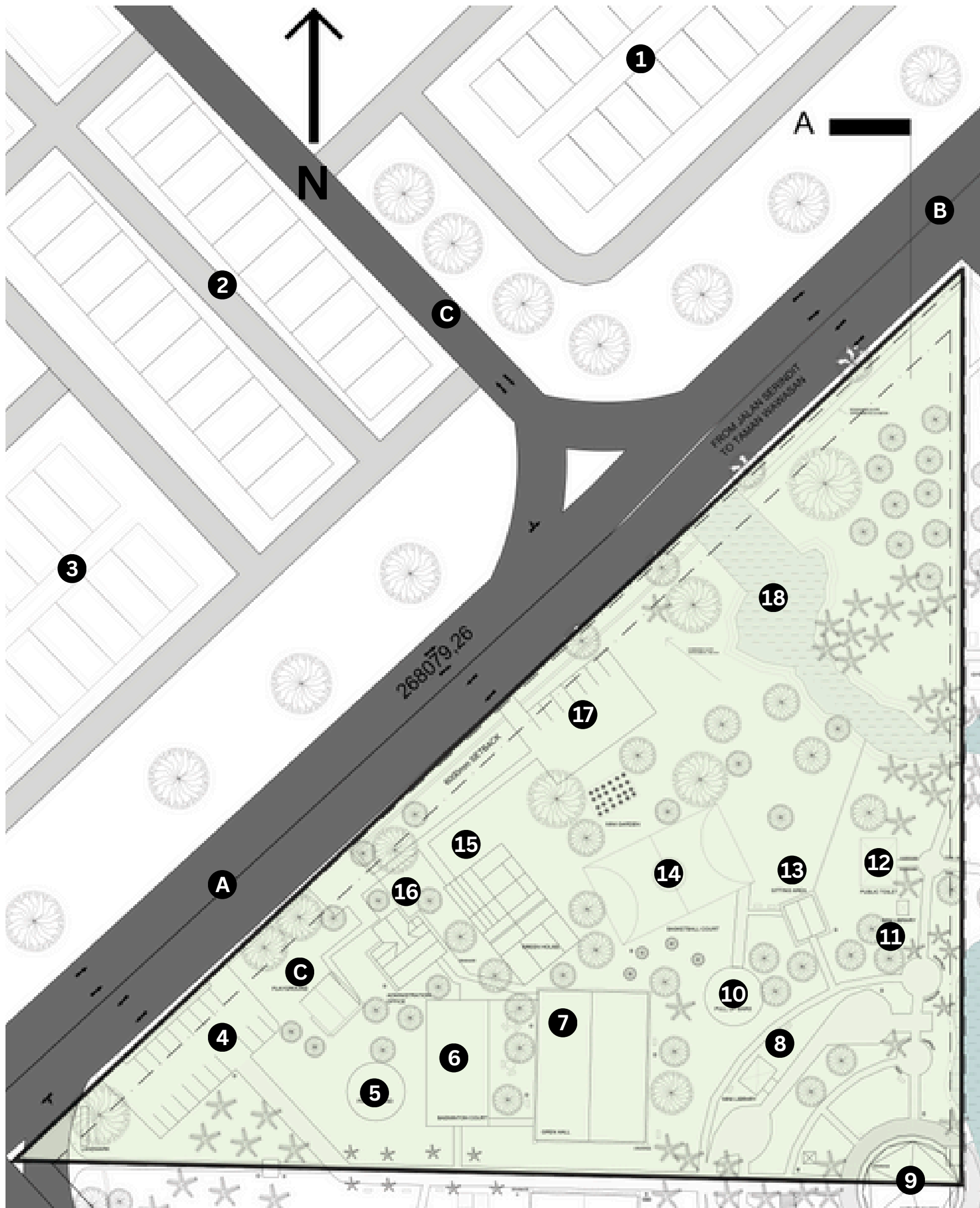
It has **strong connectivity** through **major highways** like LDP, KESAS, ELITE, and the North-South Highway, and is within walking distance to the Pusat Bandar Puchong **LRT station** on the Sri Petaling Line.

The township sits at about 49 meters above sea level with **mostly flat terrain**, making it ideal for development and comfortable living.

For selected study site, it is located at the **recreational centre** of Taman Wawasan which spans over **38,800 sqm**

## LEGENDS

- Main road
- A From **Jalan Serindit** to **Taman Wawasan**
- B From **LDP Highway** to **Taman Wawasan**
- C From **Baitul Amin Mosque** to **Taman Wawasan**
- Secondary road : From **Main road** to **Residential / Commercial area**
- 1 Landmark
- 2 North site
- 3 South site
- 4 Water bodies
- 5 Residential areas
- 6 Approximate 1km from LRT Pusat Bandar Puchong



## Task 1: Micro North Site Plan

The northern part of the site is **compact and densely** programmed with key facilities, including parking areas, sports courts, resting spaces, and communal gathering zones. This area serves as the main hub of activity within the site. The terrain here is generally **flat**, with **minor slopes** appearing near the drainage corridors and adjacent water bodies, subtly shaping surface runoff patterns.

## LEGENDS

- |   |                                 |
|---|---------------------------------|
| <b>A</b> From LDP Highway to Taman Wawasan    | <b>9</b> Amphitheater           |
| <b>B</b> From Jalan Serindit to Taman Wawasan | <b>10</b> Pull up bars          |
| <b>C</b> From Jalan Wawasan 3/7               | <b>11</b> Mini library          |
| <b>1</b> Residential                          | <b>12</b> Public toilet         |
| <b>2</b> Residential                          | <b>13</b> Sitting area          |
| <b>3</b> Residential                          | <b>14</b> Basketball court      |
| <b>4</b> Parking                              | <b>15</b> Green house           |
| <b>5</b> Playground                           | <b>16</b> Administration Office |
| <b>6</b> Badminton court                      | <b>17</b> Parking               |
| <b>7</b> Open hall                            | <b>18</b> Water bodies          |
| <b>8</b> Mini library                         |                                 |



# Task 1: Micro South Site Plan

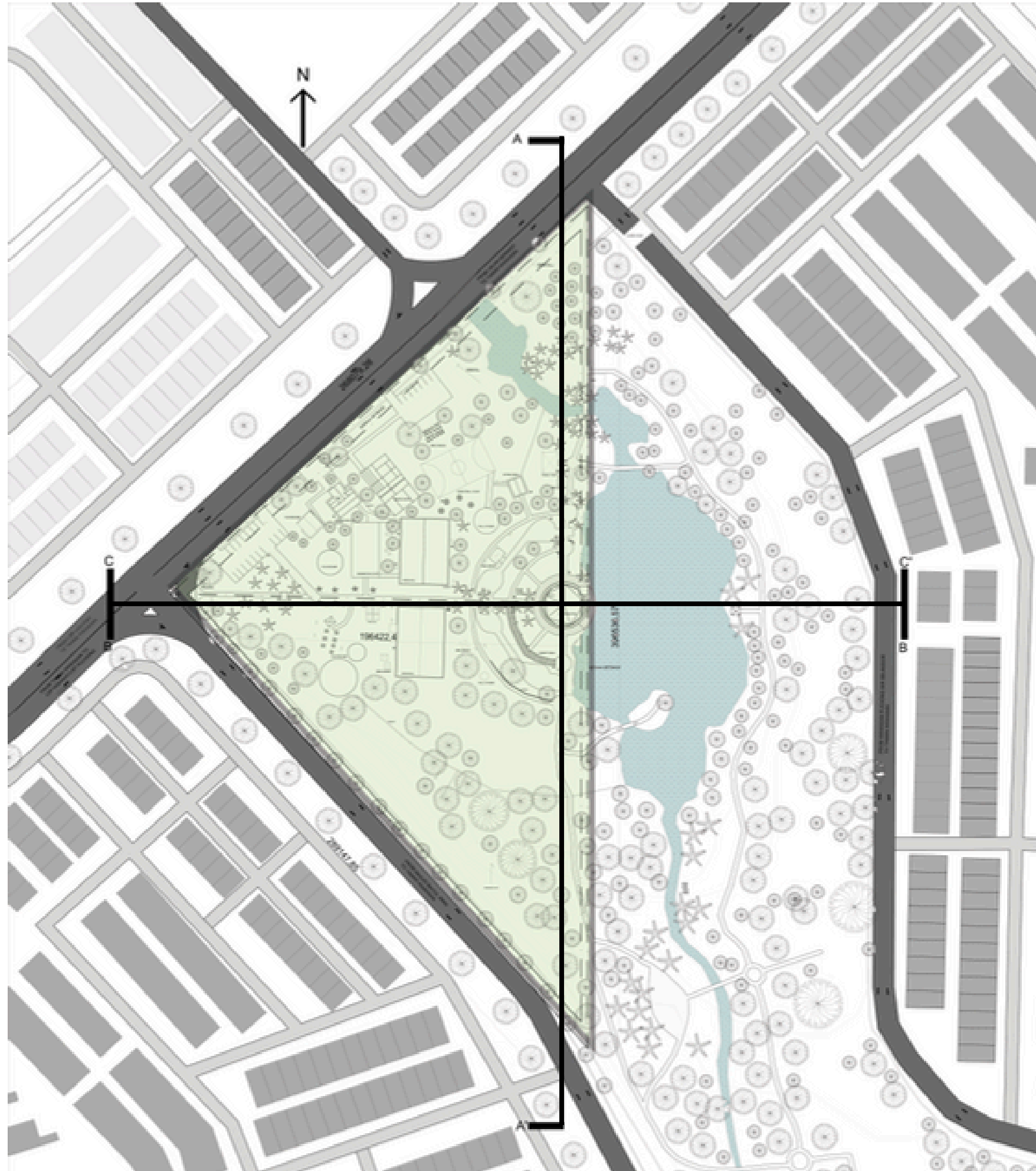
The **southern** zone of the site exhibits a **looser spatial** arrangement compared to the northern sector. Facilities are primarily **clustered** toward the upper portion of the site plan, while a large, **uninterrupted open space** defines the site's central area.

The topography is predominantly **flat** across the facility zones, transitioning into a gentle **slope ascending** toward the adjacent roadway at the site's lower boundary. The lower flat areas, being set on depressed ground, are susceptible to **water ponding**, particularly after periods of heavy rainfall.

## LEGENDS

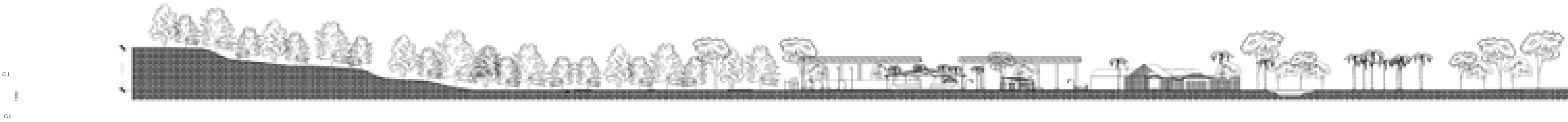
- |   |                        |
|---|------------------------|
| <b>A</b> From Baitul Amin Mosque to Taman Wawasan | <b>7</b> Playground    |
| <b>1</b> Residential                              | <b>8</b> Gazebo        |
| <b>2</b> Residential                              | <b>9</b> Gazebo        |
| <b>3</b> Residential                              | <b>10</b> Open hall    |
| <b>4</b> High ground                              | <b>11</b> Canopy walk  |
| <b>5</b> Drainage                                 | <b>12</b> Amphitheater |
| <b>6</b> Mini library                             |                        |

## Task 1: Sections

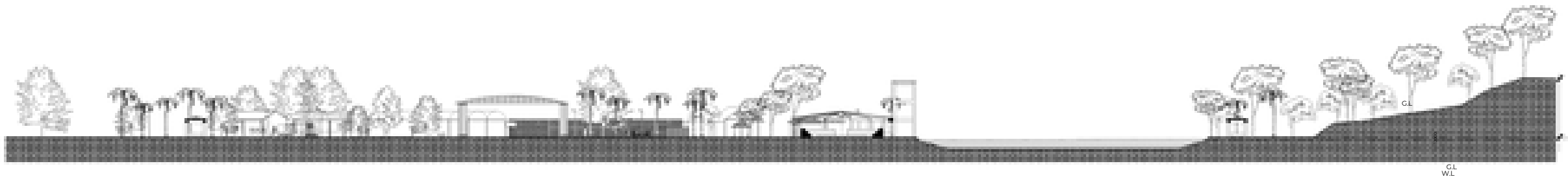


**Task 1: Sections**

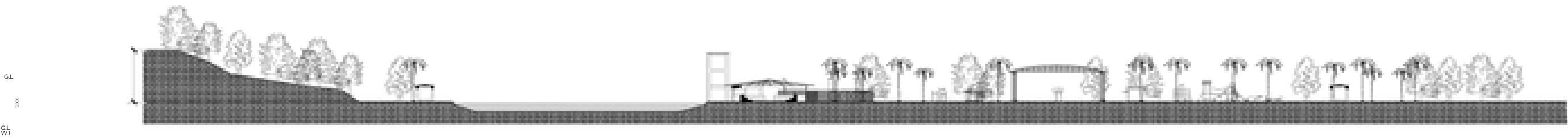
SECTION A-A'



SECTION B-B'



SECTION C-C'



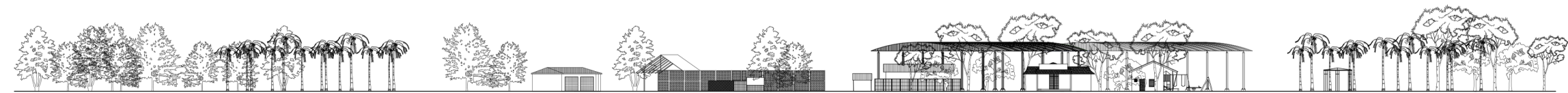
**SCALE 1:500**

**Task 1: Elevation**

ELEVATION A



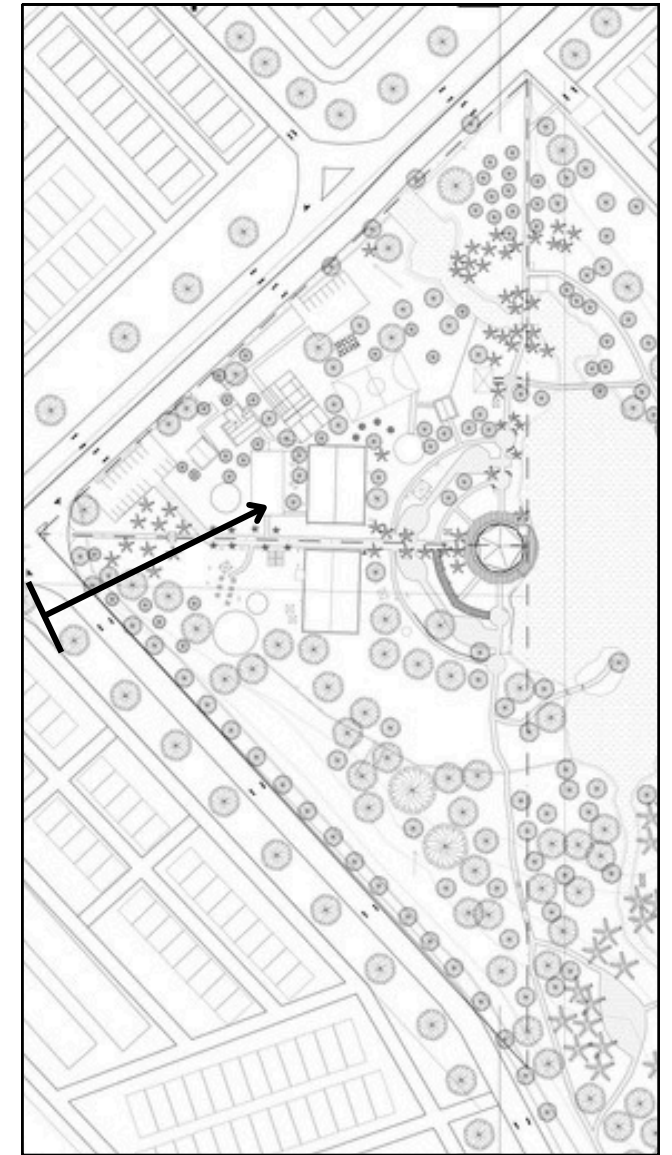
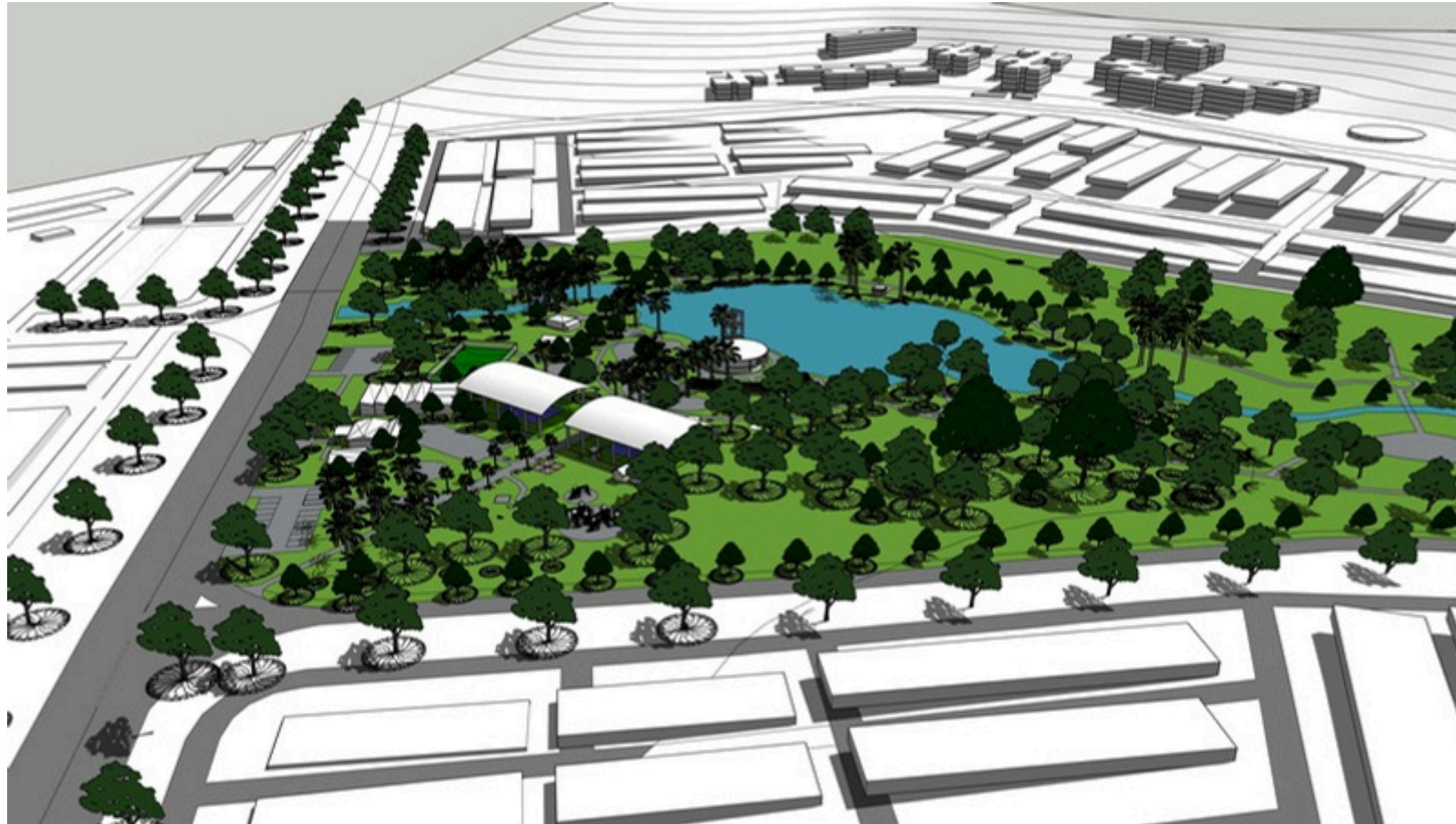
ELEVATION B



**SCALE 1:500**

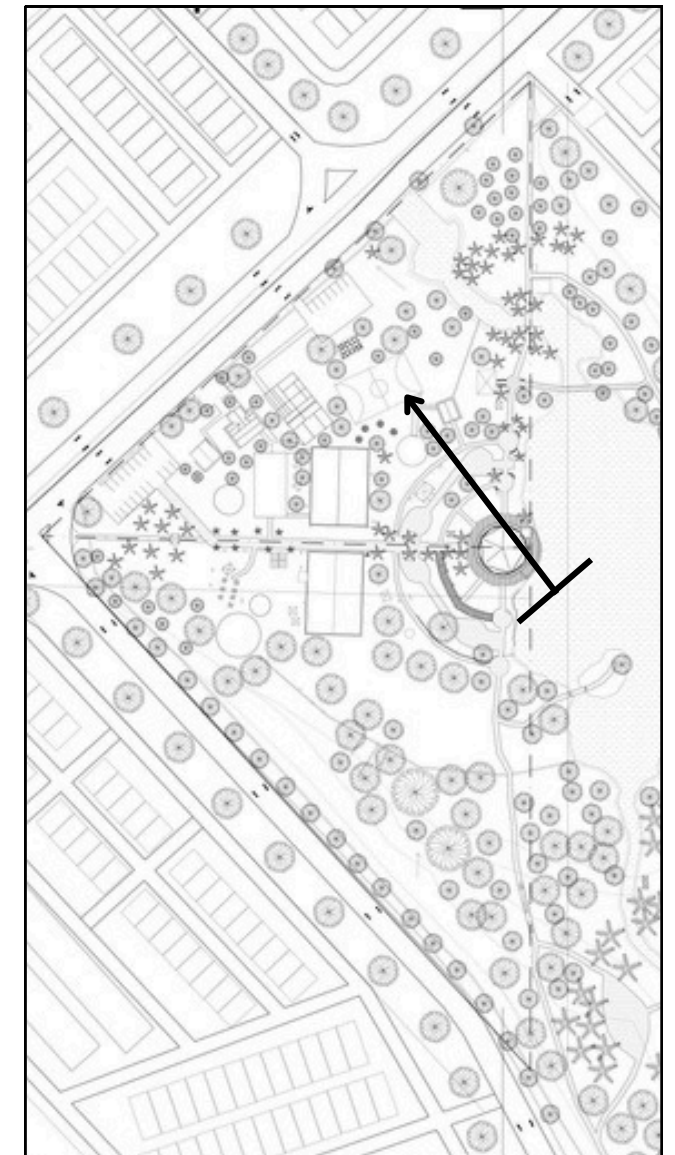
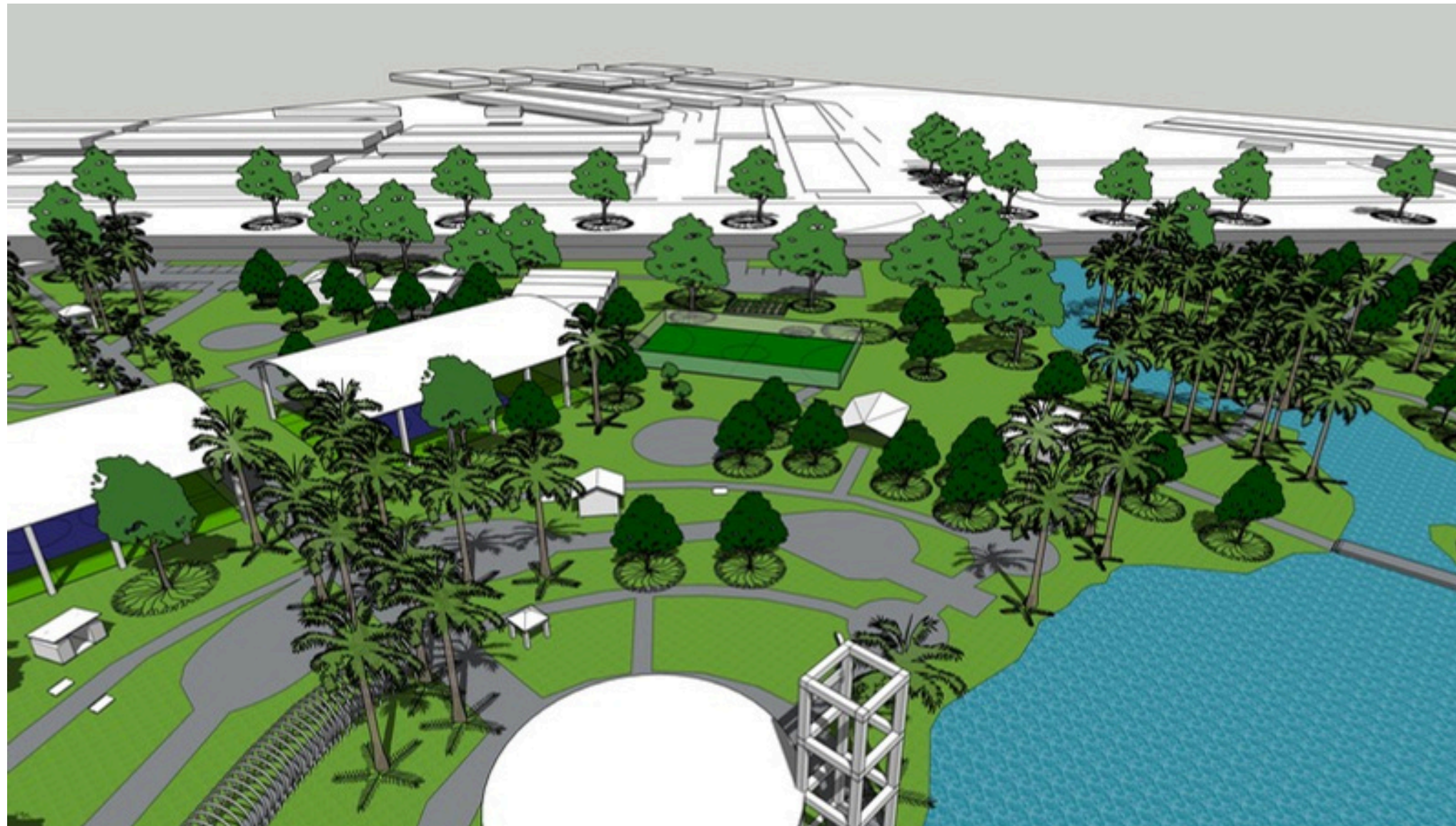
# 3D IMAGERY

Site Aerial View



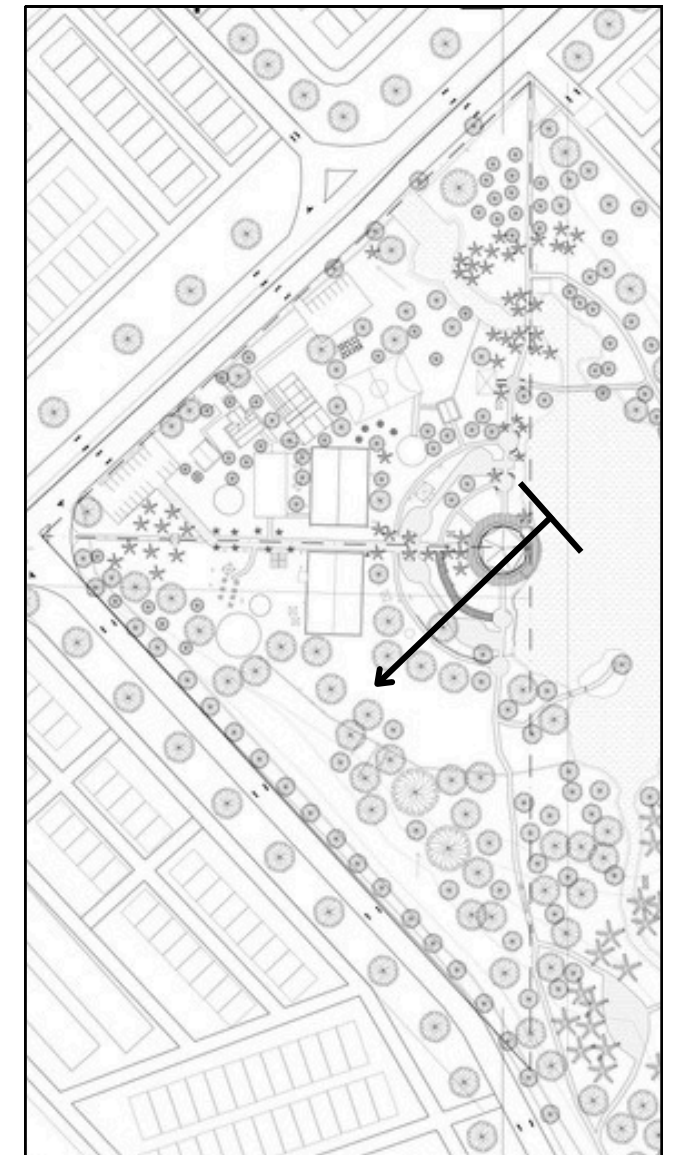
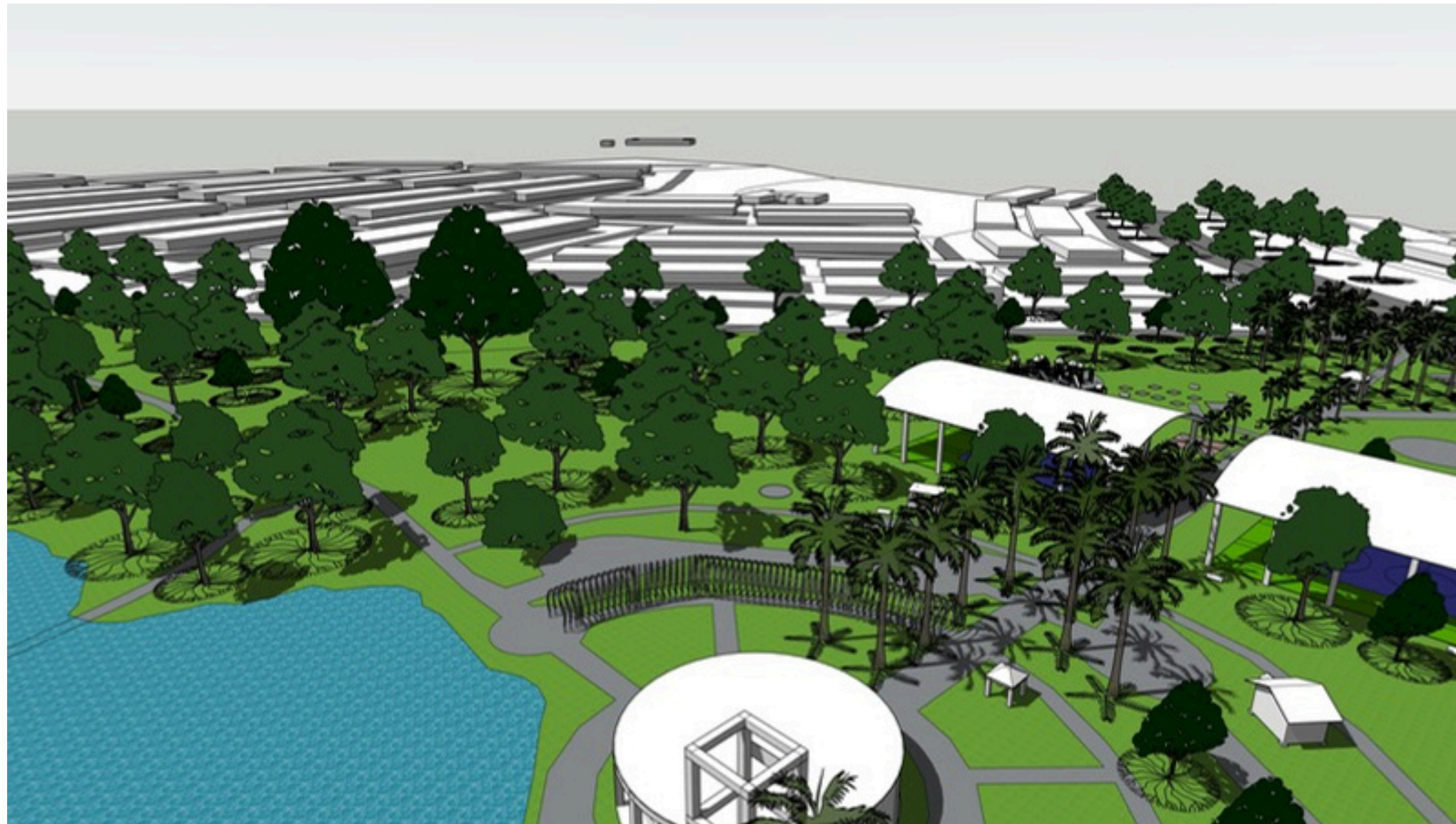
# 3D IMAGERY

North Aerial View

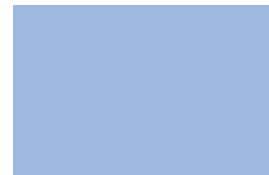


# 3D IMAGERY

South Aerial View



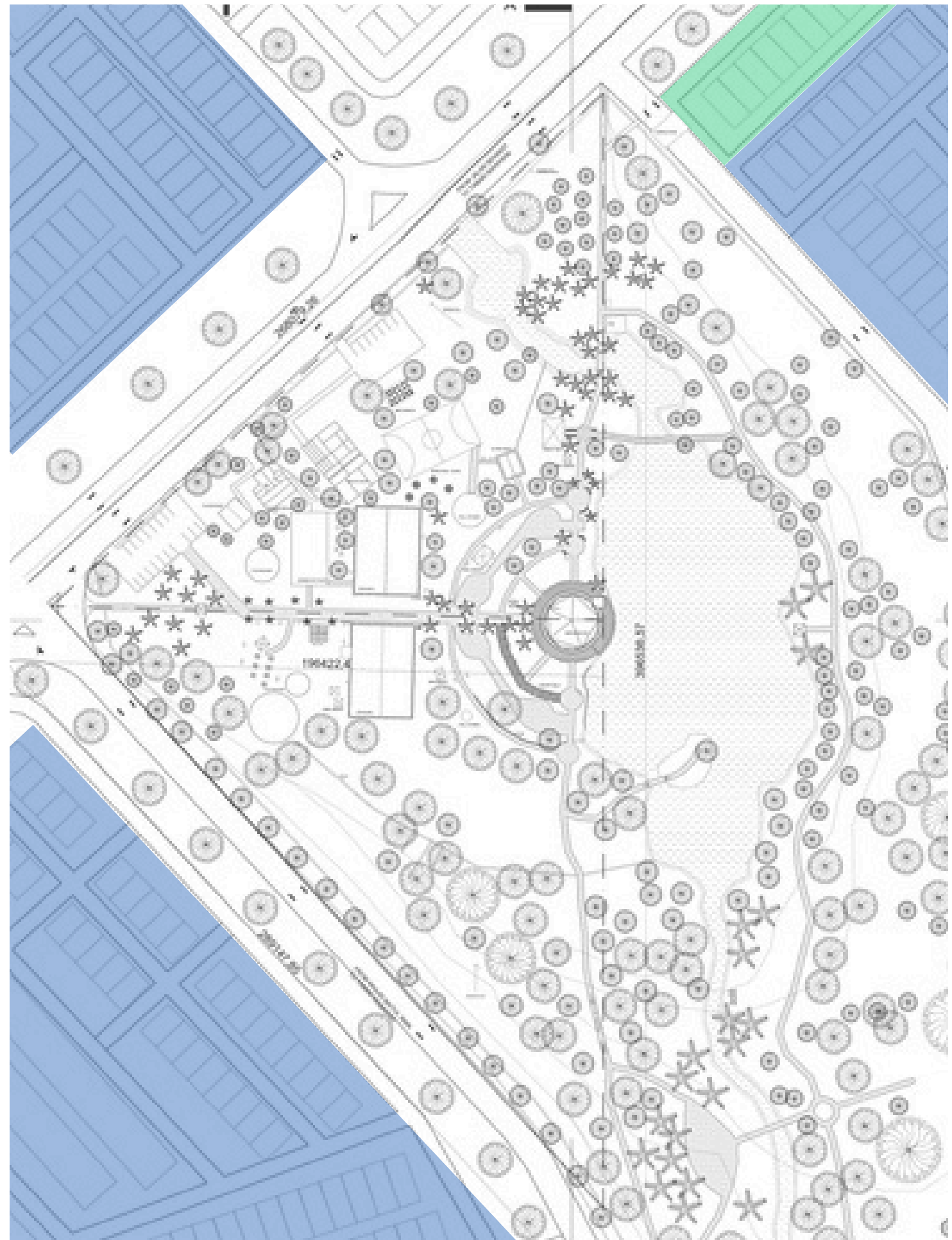
## Task 1: Building Contour & Context



RESIDENTIAL



COMMERCIAL



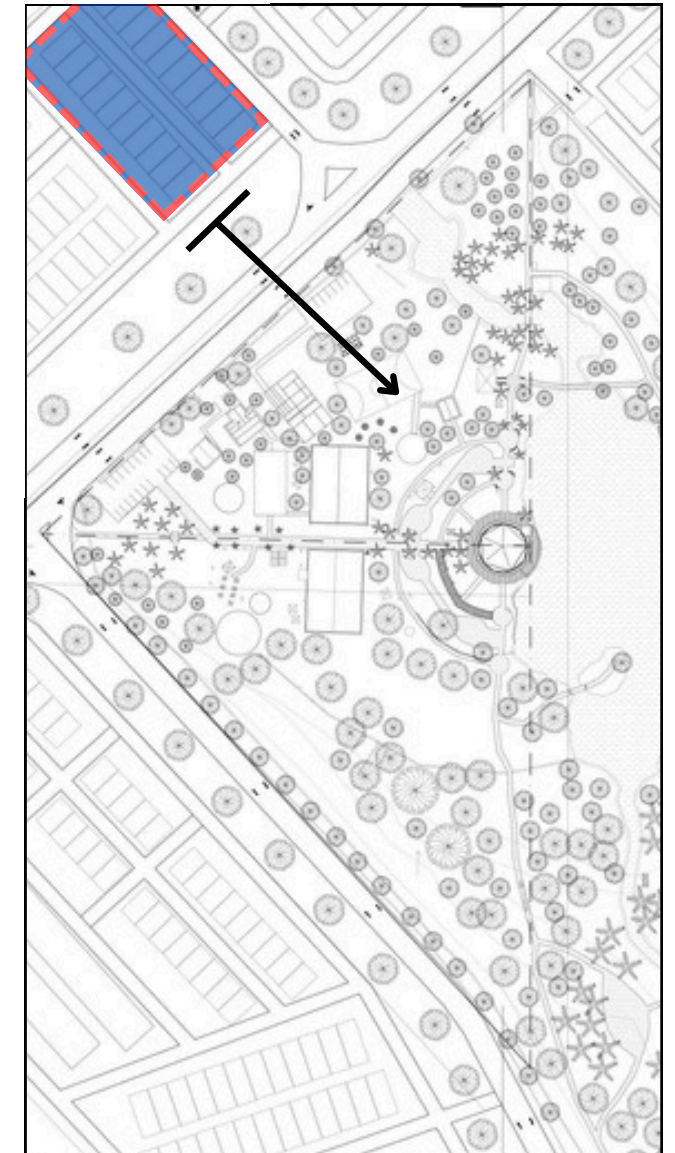
# COMMUNITY PERSPECTIVES

Jalan Wawasan 3/1 - Residential



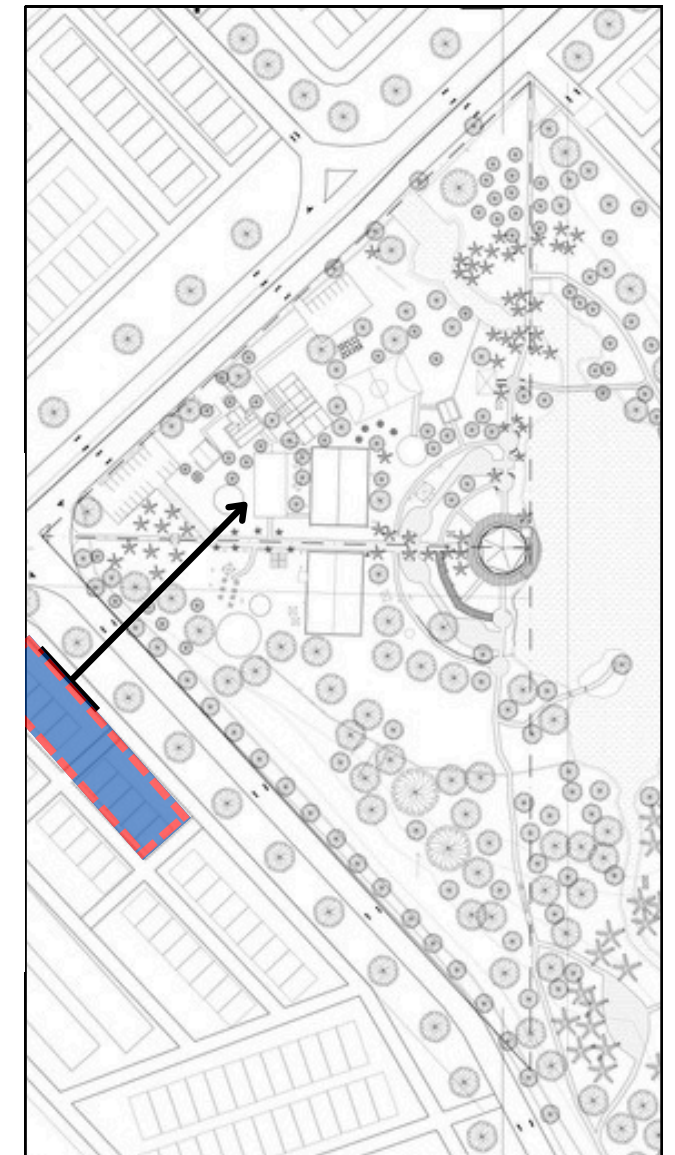
# COMMUNITY PERSPECTIVES

Jalan Wawasan 3/7 - Residential



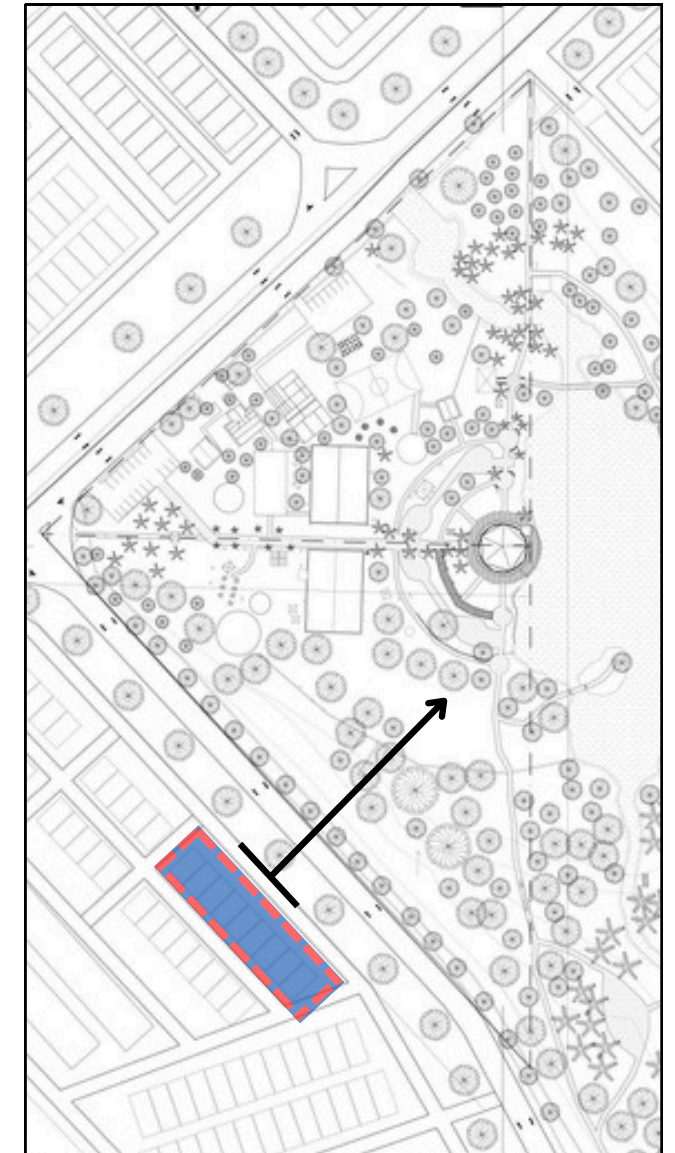
# COMMUNITY PERSPECTIVES

Jalan Wawasan 2/10 - Residential



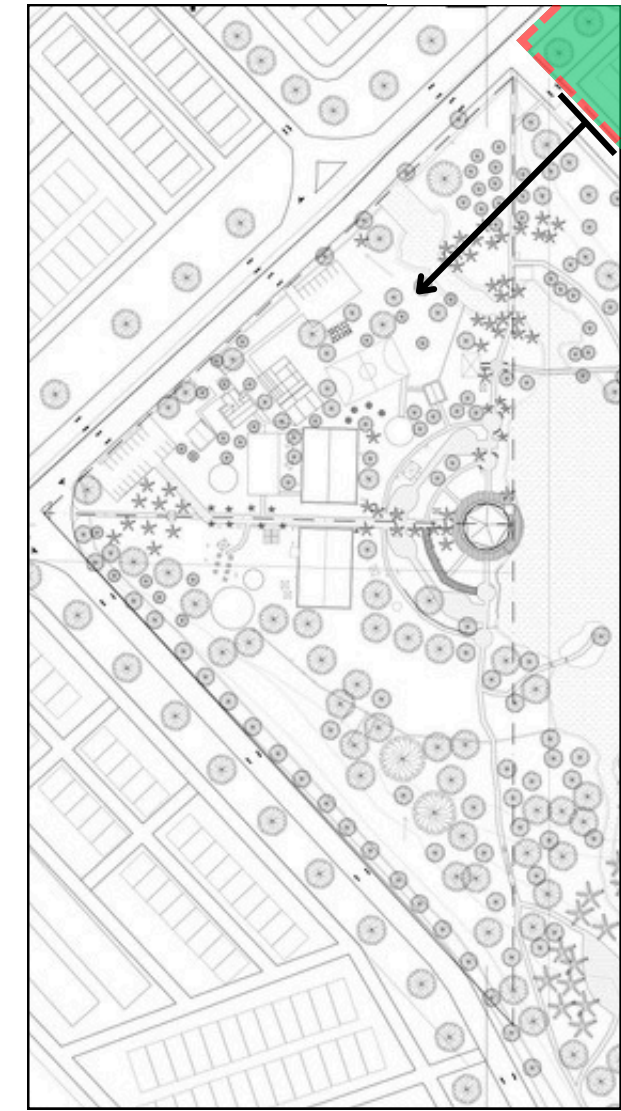
# COMMUNITY PERSPECTIVES

Jalan Wawasan 2/11 - Residential



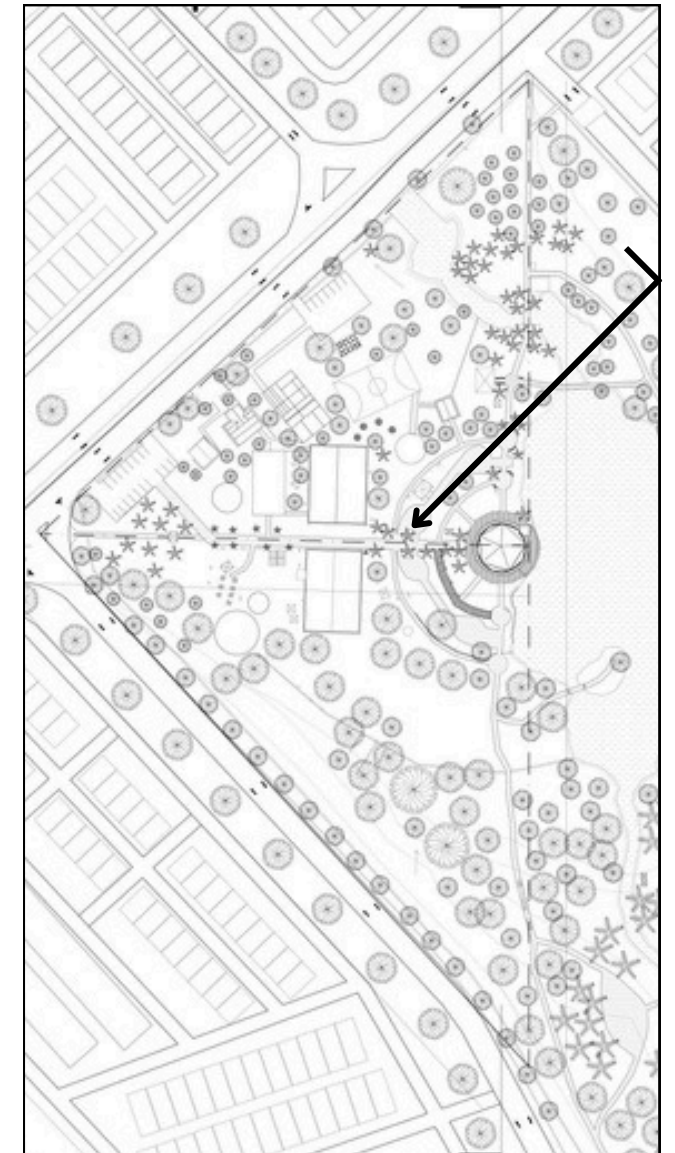
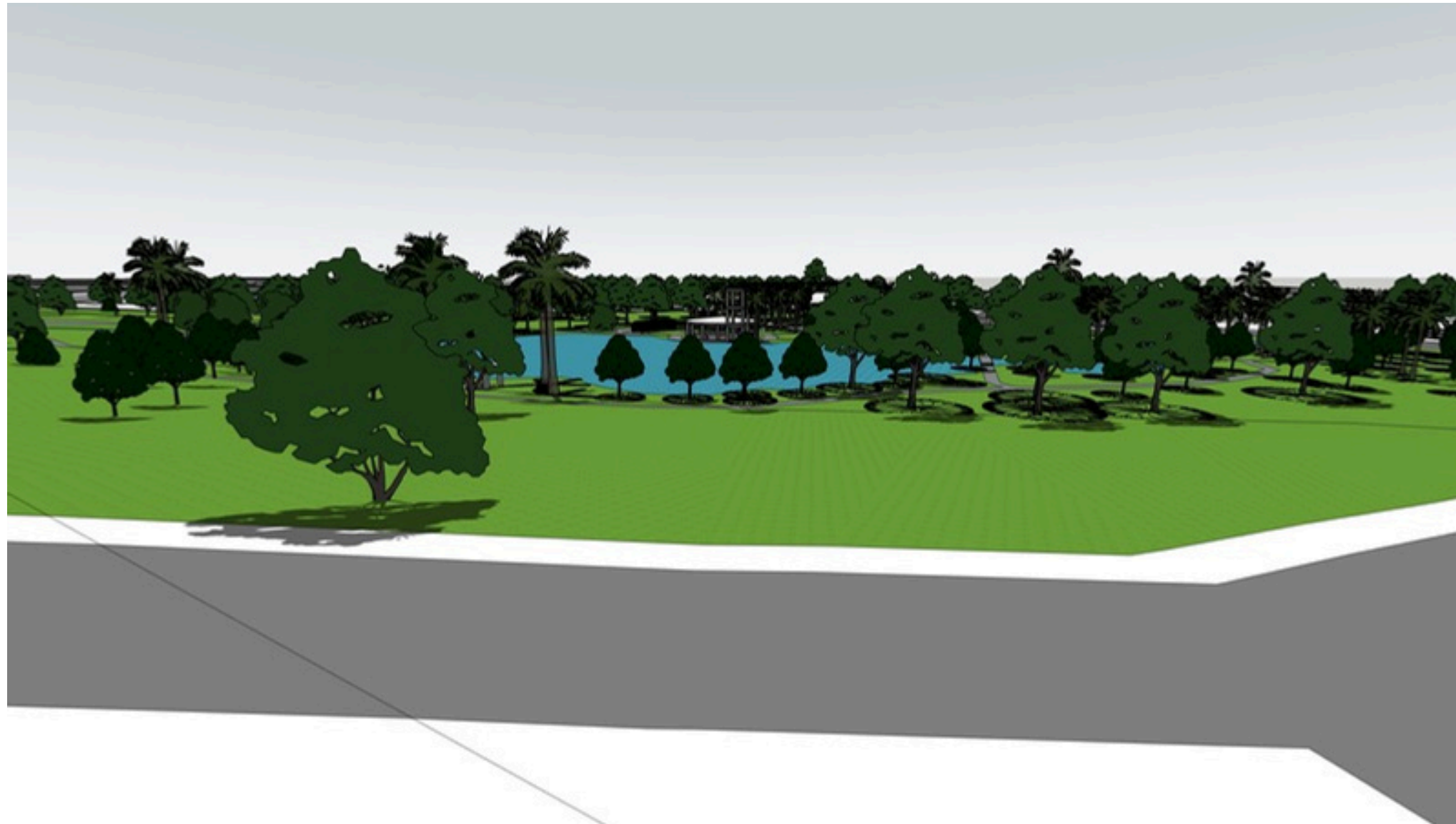
# COMMUNITY PERSPECTIVES

Jalan Wawasan 4/6 - Commercial



# COMMUNITY PERSPECTIVES

Jalan Wawasan 4/2 - Residential



# Task 2 - Social Content

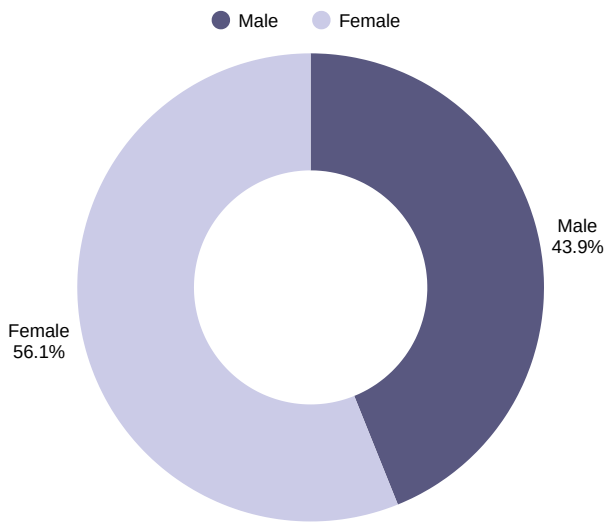
## Core demographics (Thursday)

Gender/ Number of Individuals	Male	Female
Morning	72	92
Evening	337	108

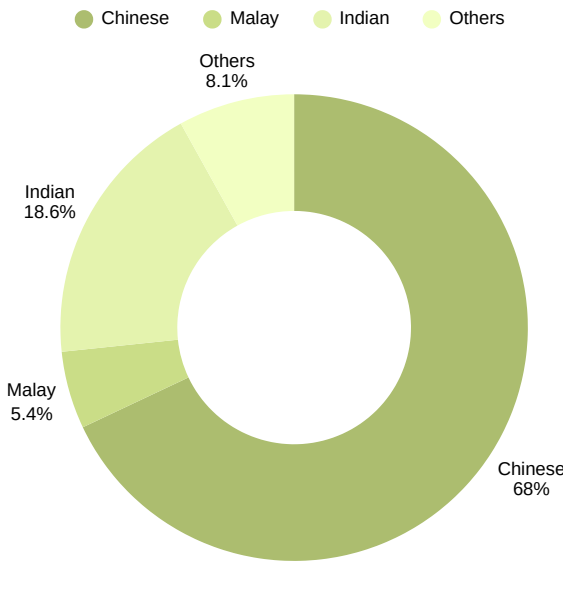
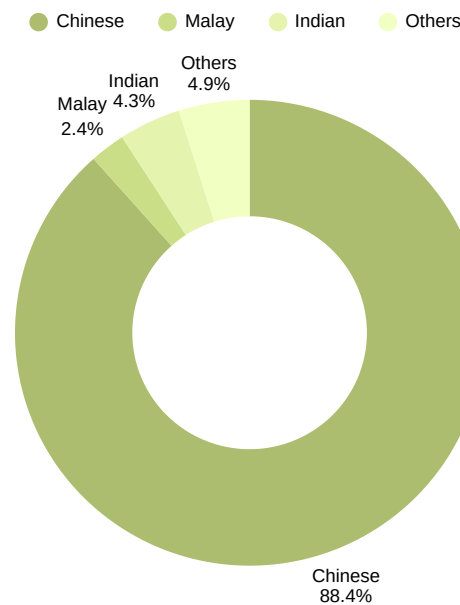
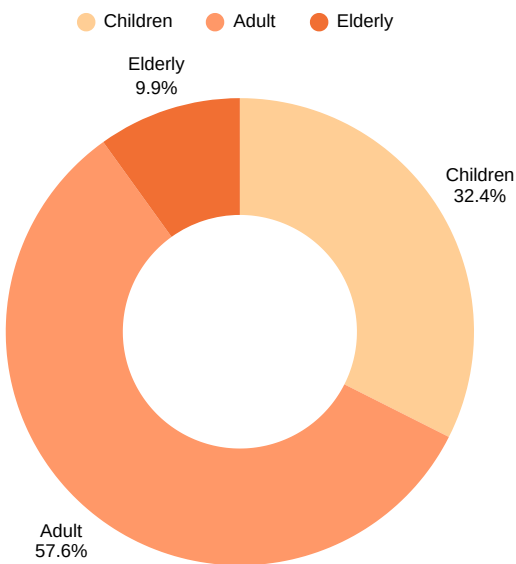
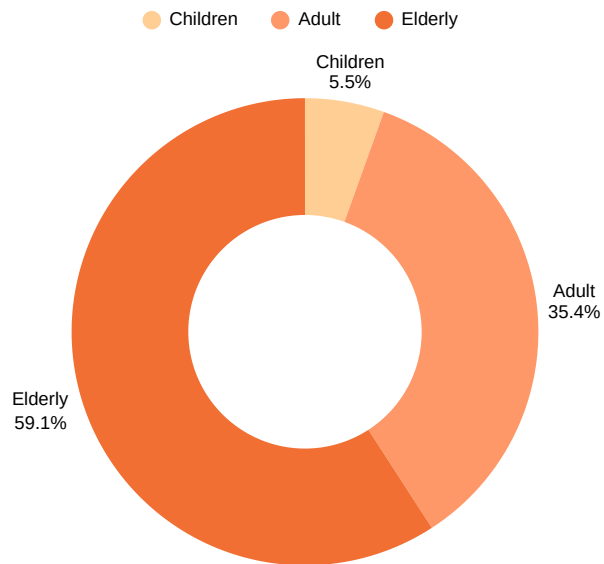
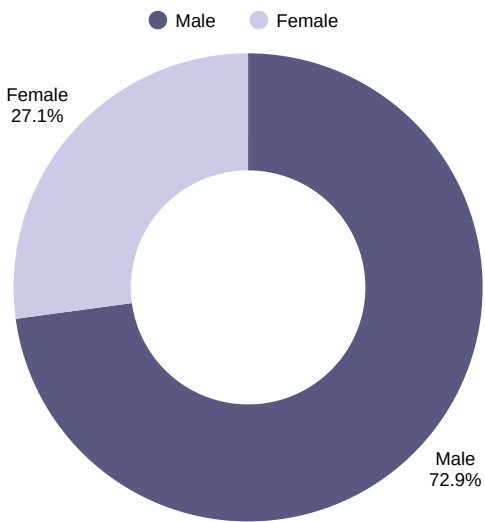
Age group/ Number of Individuals	Children (0-17y/o)	Adult (18-59y/o)	Elderly (60y/o+)
Morning	9	58	97
Evening	142	254	38

Ethnic group/ Number of Individuals	Chinese	Malay	Indian	Others
Morning	145	4	7	8
Evening	309	26	70	29

Morning to Afternoon  
7:00 am - 12:00 pm,



Afternoon to Evening  
2:00 pm - 7:00 pm,



# Task 2 - Social Content

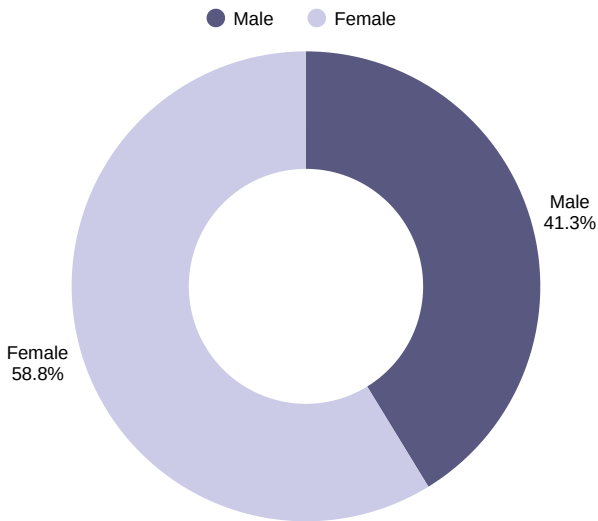
## Core demographics (Saturday)

Gender/ Number of Individuals	Male	Female
Morning	132	188
Evening	135	58

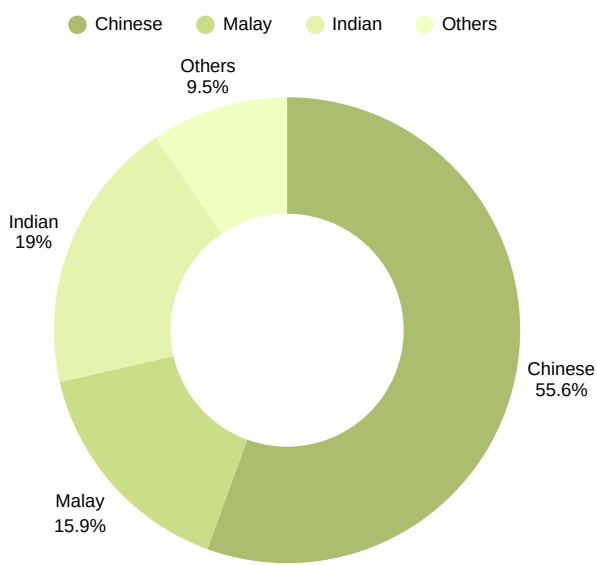
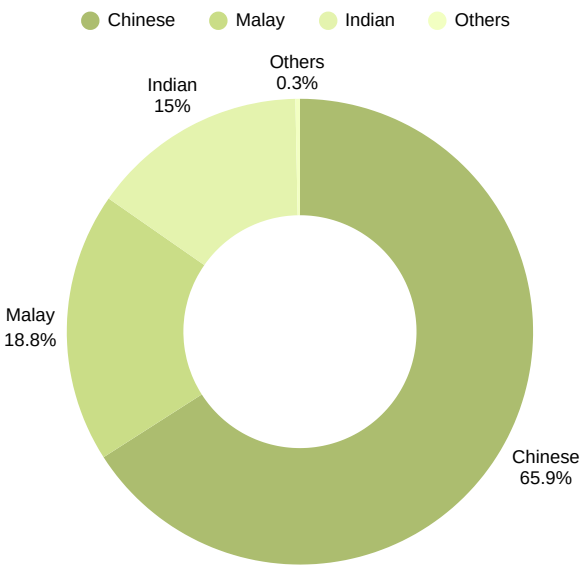
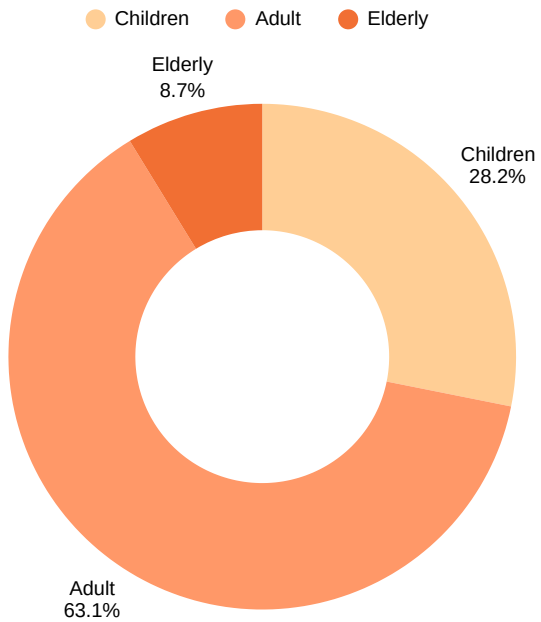
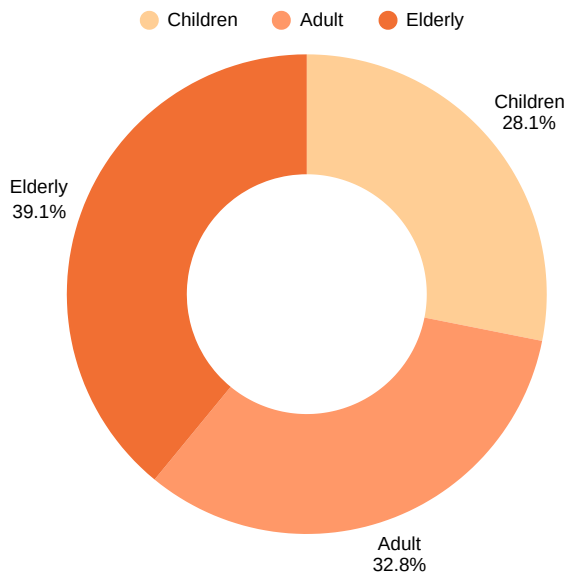
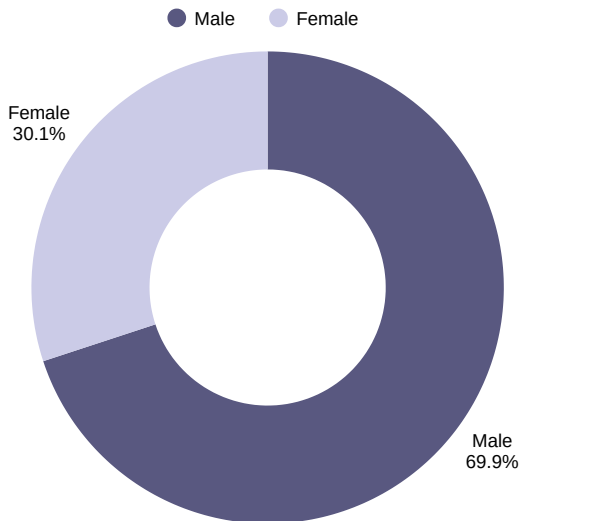
Age group/ Number of Individuals	Children (0-17y/o)	Adult (18-59y/o)	Elderly (60y/o+)
Morning	90	105	125
Evening	58	130	18

Ethnic group/ Number of Individuals	Chinese	Malay	Indian	Others
Morning	211	60	48	1
Evening	105	30	36	18

Morning to Afternoon  
7:00 am - 12:00 pm,



Afternoon to Evening  
2:00 pm - 7:00 pm,



# Task 2 - Social Content

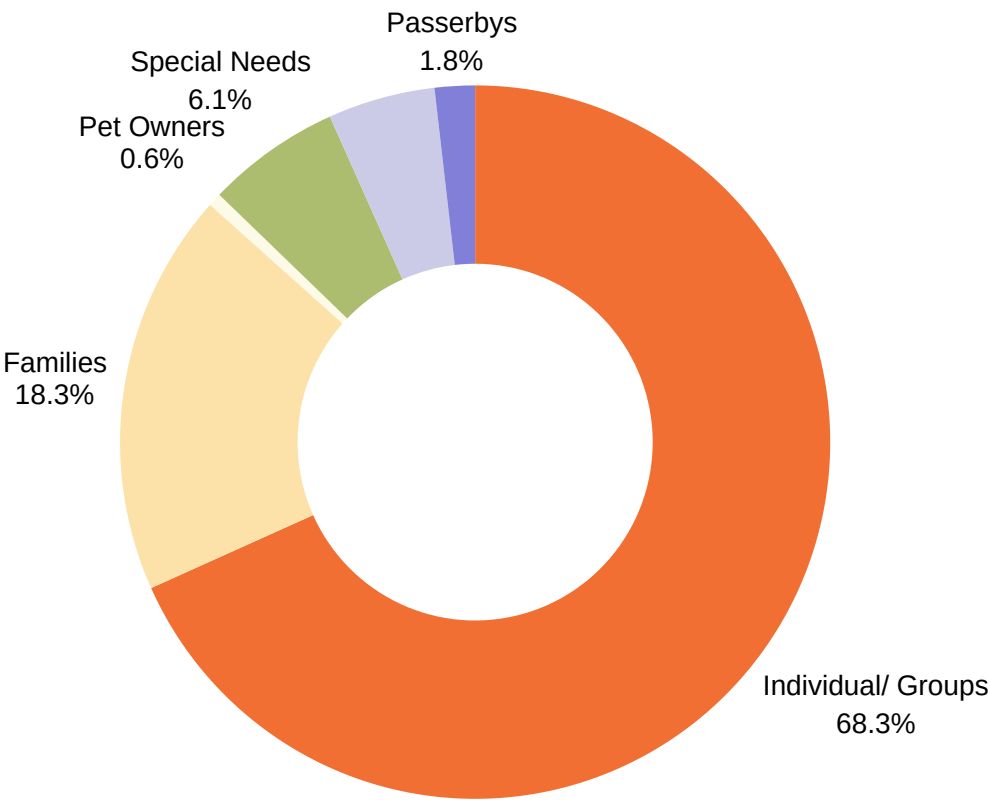
## Contextual demographics (Thursday)

Number of general people categories visiting the park from 7:00 am to 7:00 pm

User groups	Morning	Evening
Individuals/ Groups	112	276
Families	30	120
Pet owners	1	15
Special needs	10	1
Park Workers	8	6
Passerbys	3	16
Total	164	434

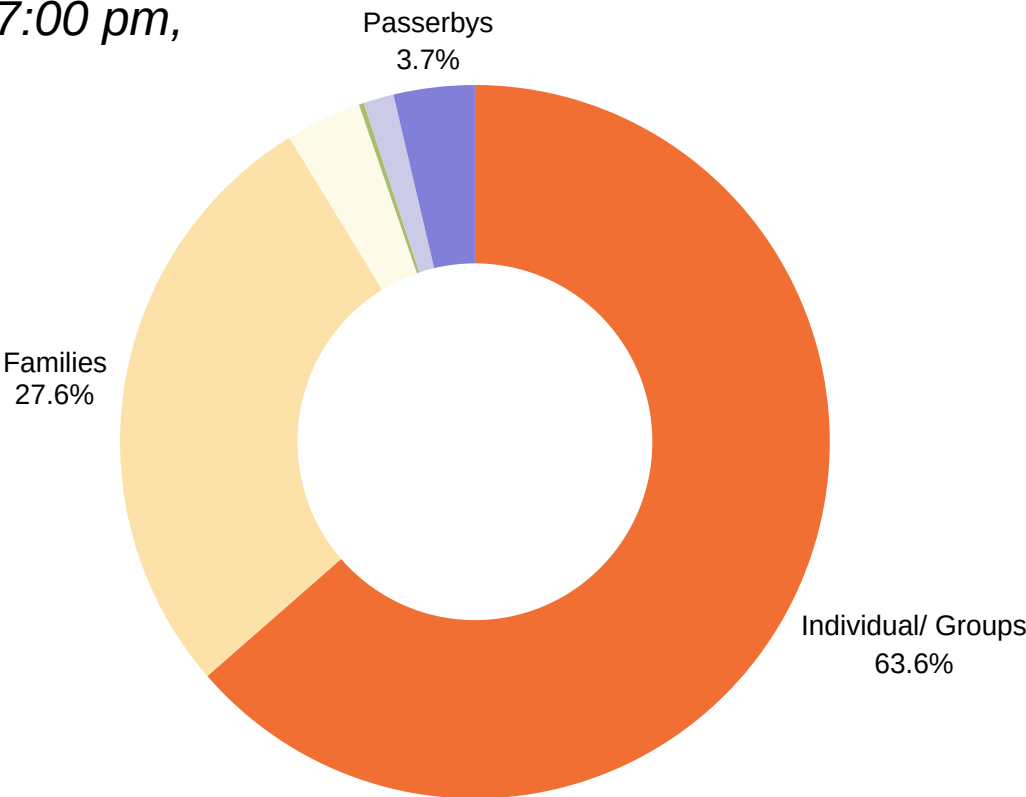
Morning to Afternoon

7:00 am - 12:00 pm,



Afternoon to Evening

2:00 pm - 7:00 pm,



# Task 2 - Social Content

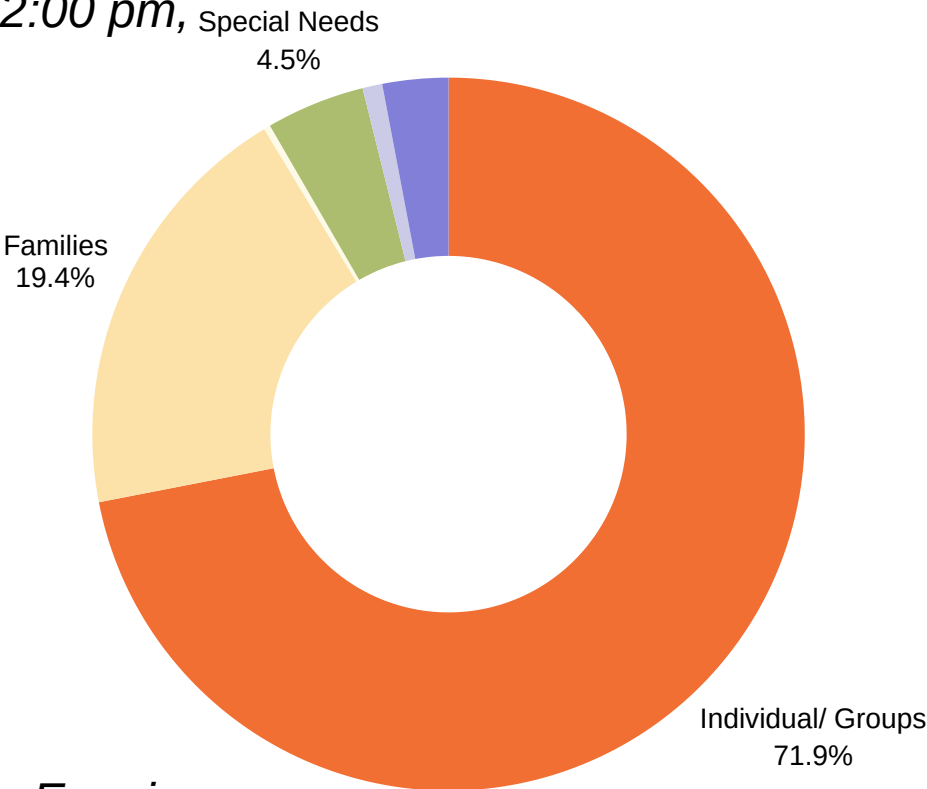
## Contextual demographics (Saturday)

Number of general people categories visiting the park from 7:00 am to 7:00 pm

User groups	Morning	Evening
Individuals/ Groups	241	105
Families	65	79
Pet owners	1	5
Special needs	10	3
Park Workers	3	3
Passerbys	10	11
Total	320	200

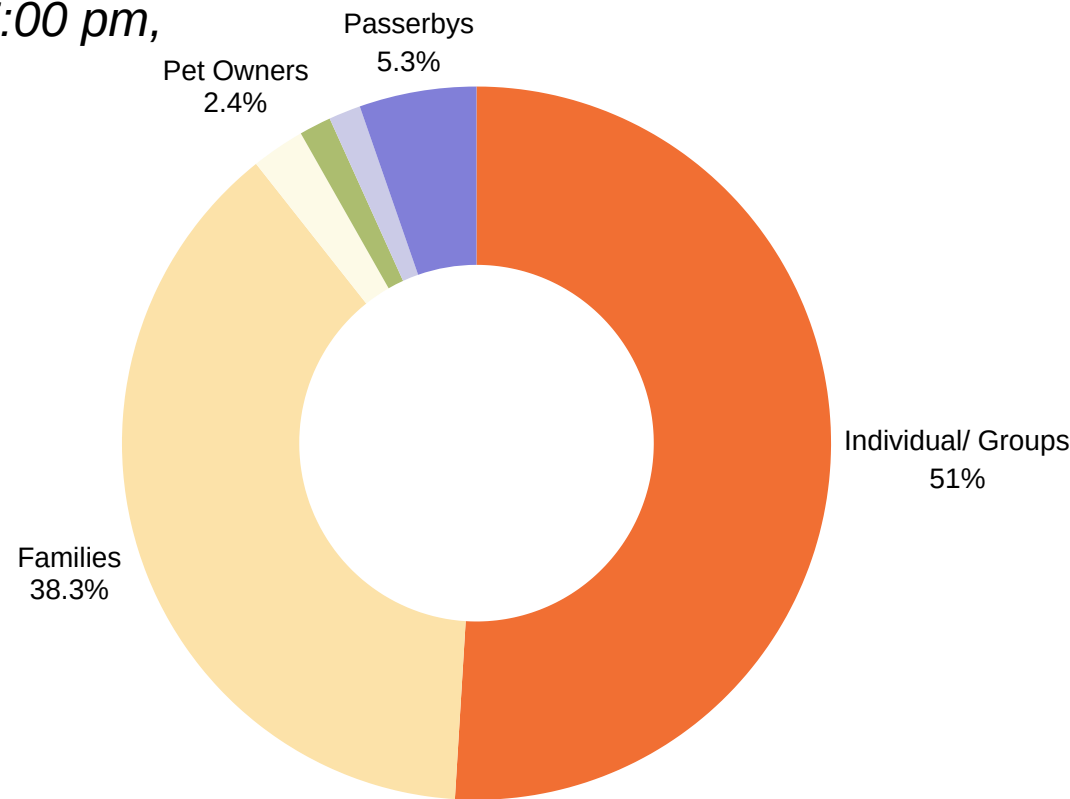
Morning to Afternoon

7:00 am - 12:00 pm,



Afternoon to Evening

2:00 pm - 7:00 pm,

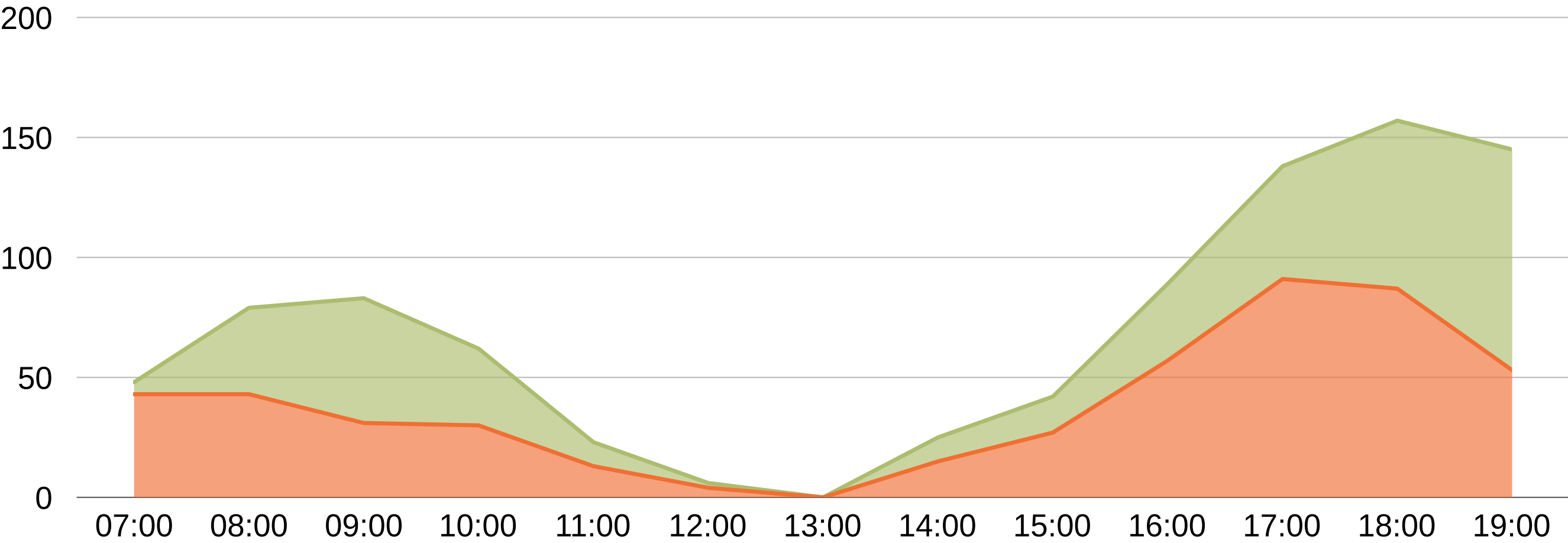


# Task 2 - Social Content

## User Traffic Trends (Thursday)

Number of people arriving and leaving the park via main entrance from 7:00 am to 7:00 pm

● Arriving    ● Leaving

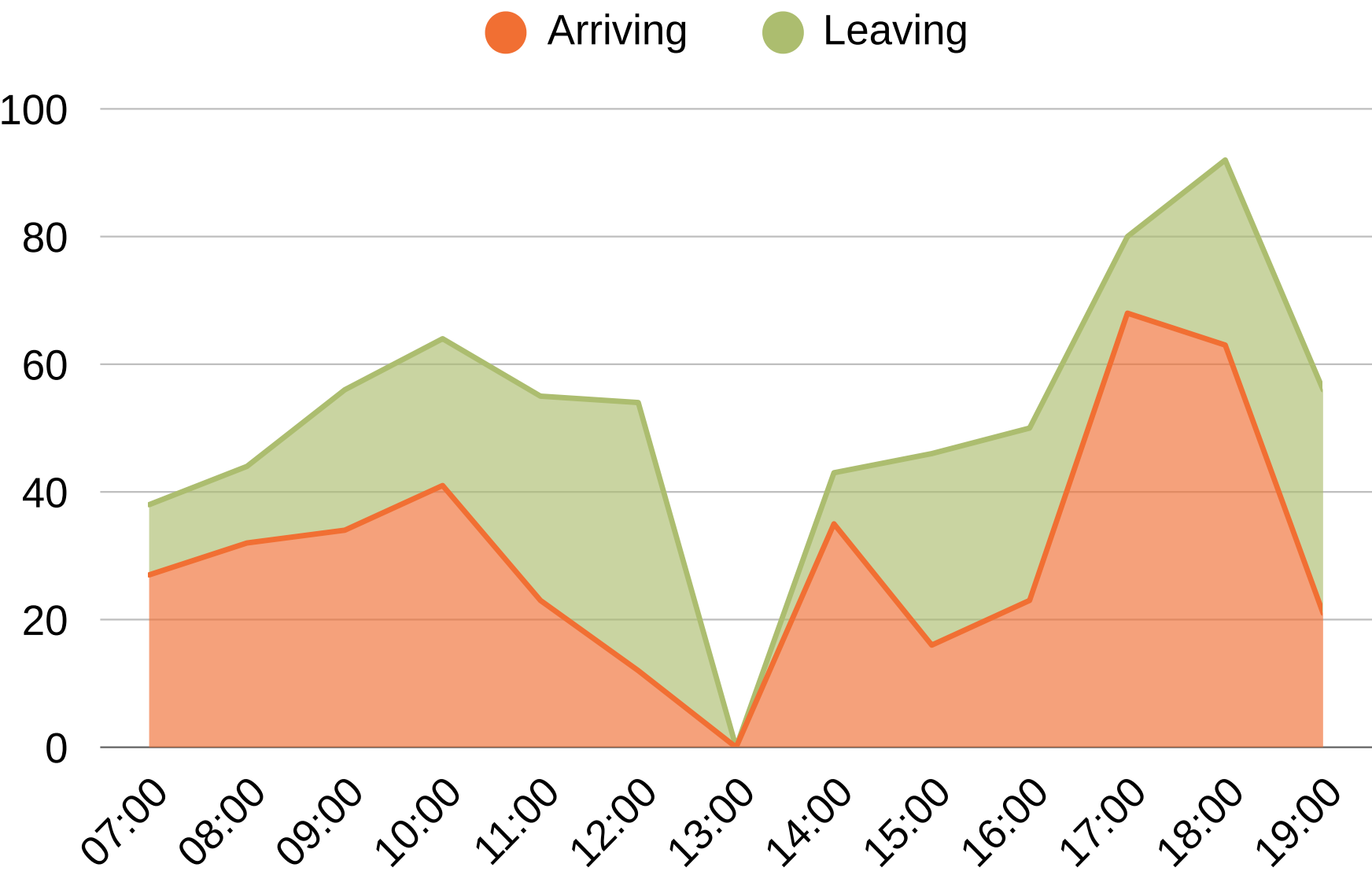


Time/ hours	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00
Number of people arriving	43	43	31	30	13	4	-	15	27	57	91	87	53
Number of people leaving	5	36	52	32	10	2	-	10	15	32	47	70	92

# Task 2 - Social Content

## User Traffic Trends (Saturday)

Number of people arriving and leaving the park via main entrance from 7:00 am to 7:00 pm



Time/ hours	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00
Number of people arriving	27	32	34	41	23	12	-	35	16	23	68	63	21
Number of people leaving	11	12	22	23	32	42	-	8	30	27	12	29	35

# Task 2 - Social Content

## User Activity Trends (Thursday)

Park activity trends across the day

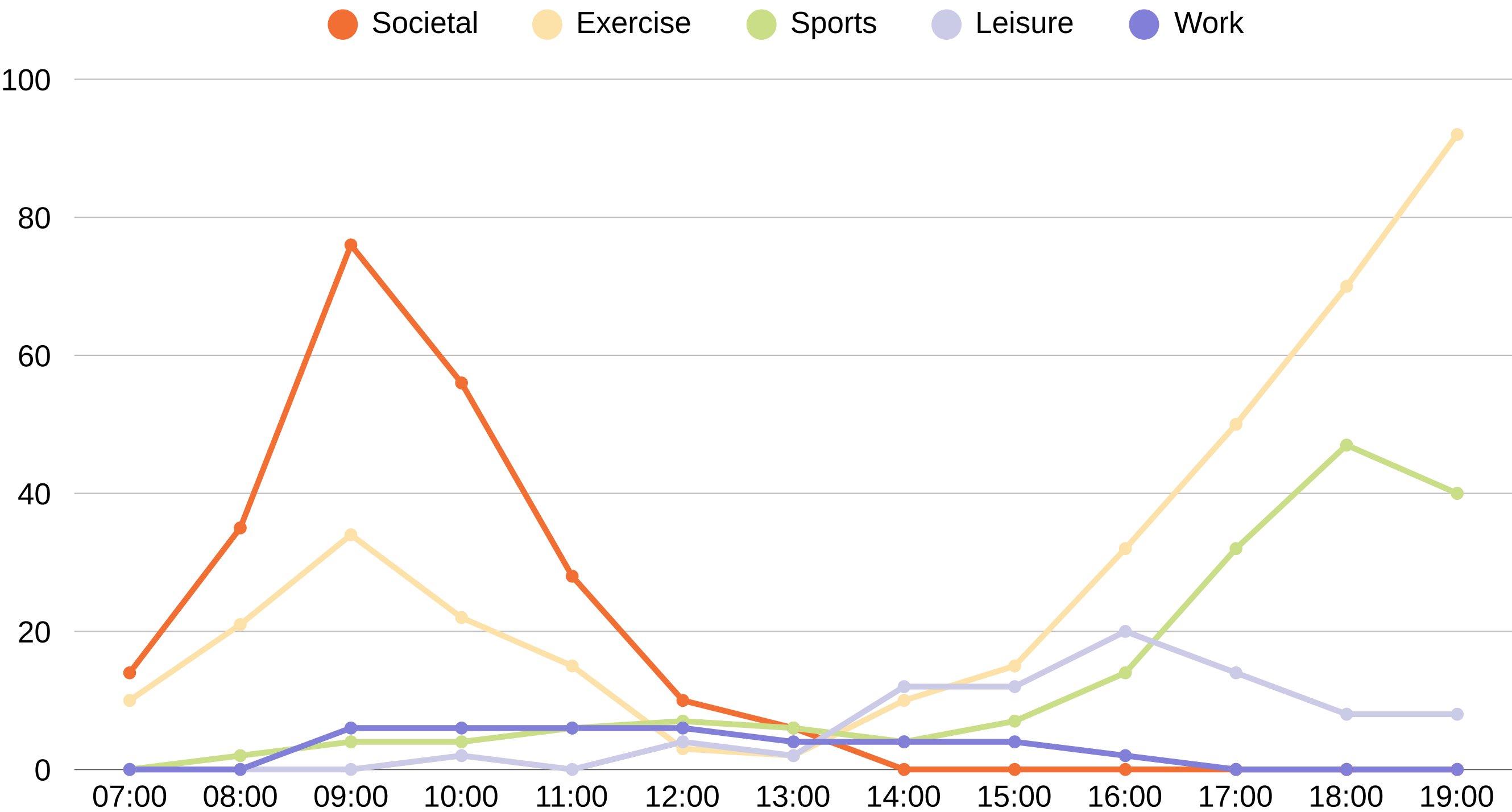
Societal - Close community activities carried out in groups

Exercise - General exercising activities across the park

Sports - Activities involving utilizing park sports facilities

Leisure - Non-intense activities

Work - Park workers



# Task 2 - Social Content

## User Activity Trends (Saturday)

Park activity trends across the day

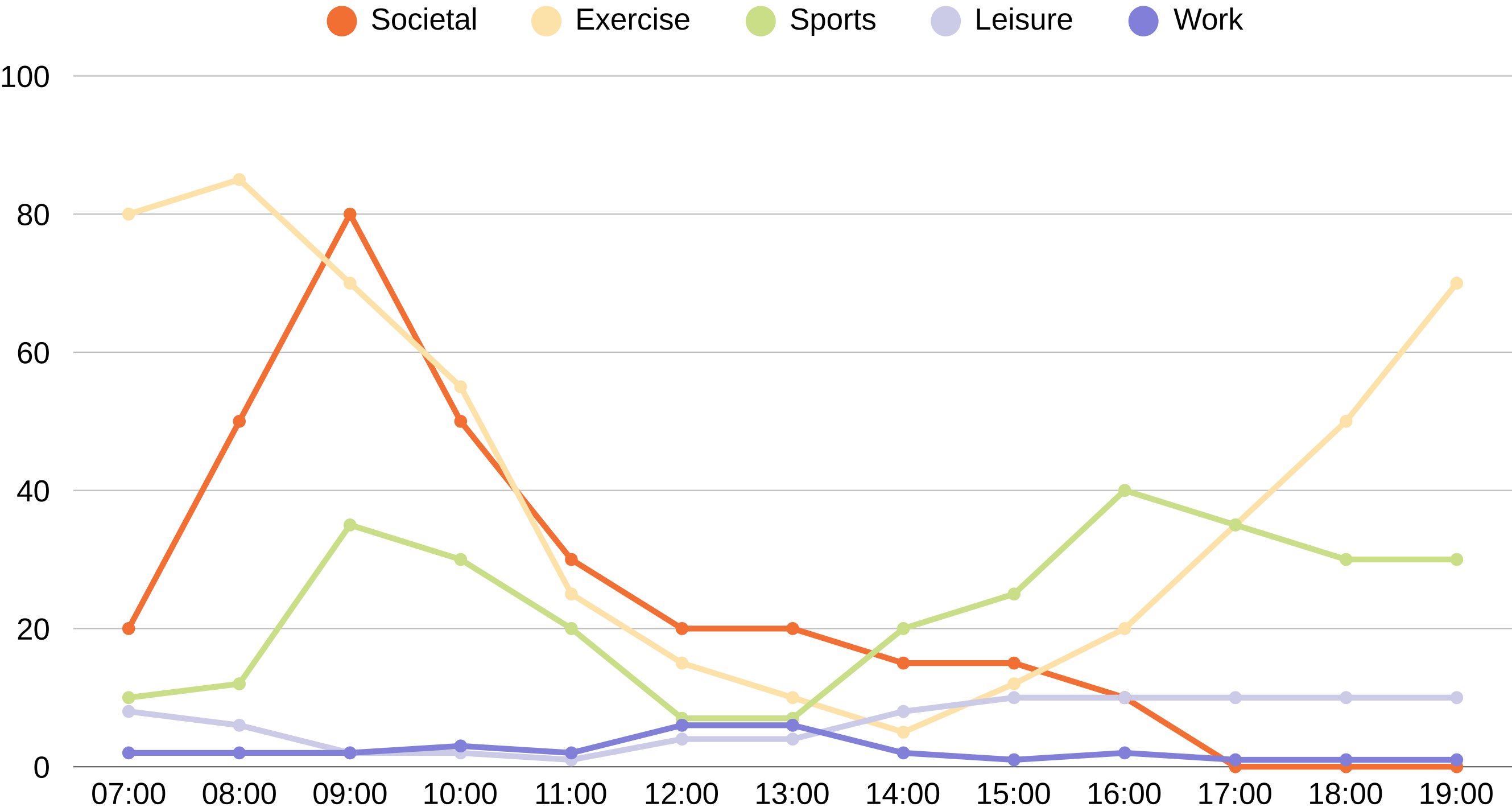
Societal - Close community activities carried out in groups

Exercise - General exercising activities across the park

Sports - Activities involving utilizing park sports facilities

Leisure - Non-intense activities

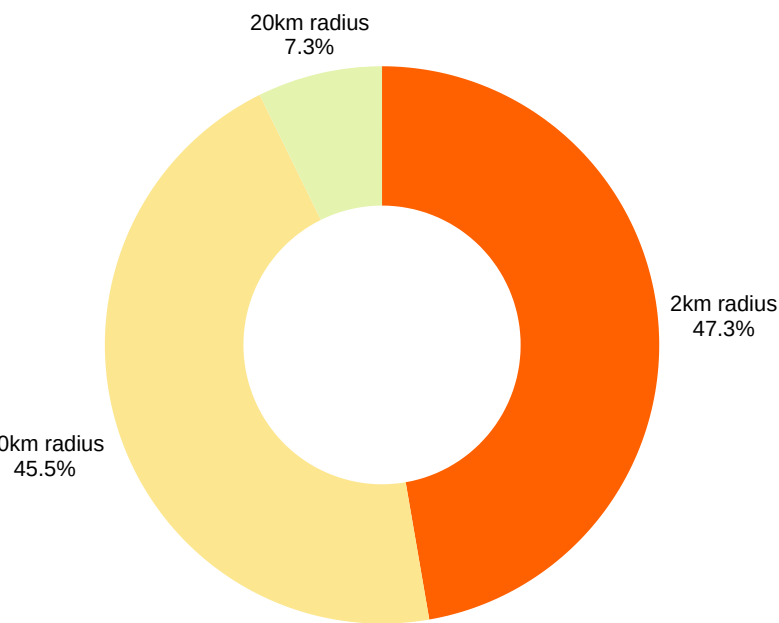
Work - Park workers



# Task 2 - Social Content

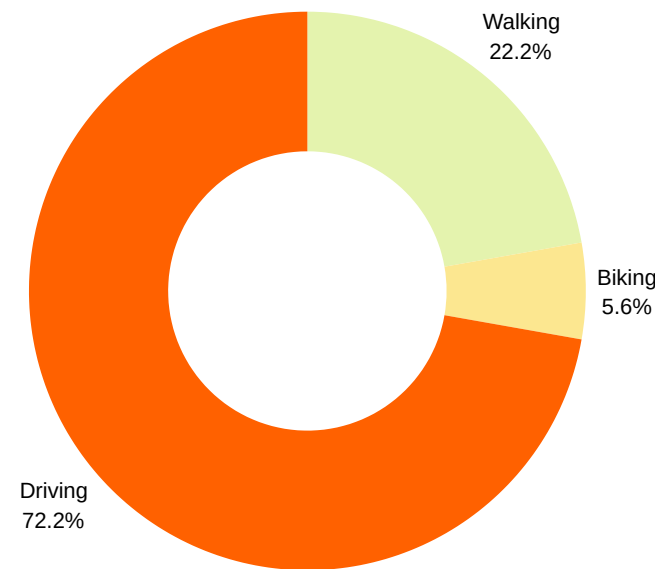
## Interview summary - Visitor Characteristics

Home location/ km radius



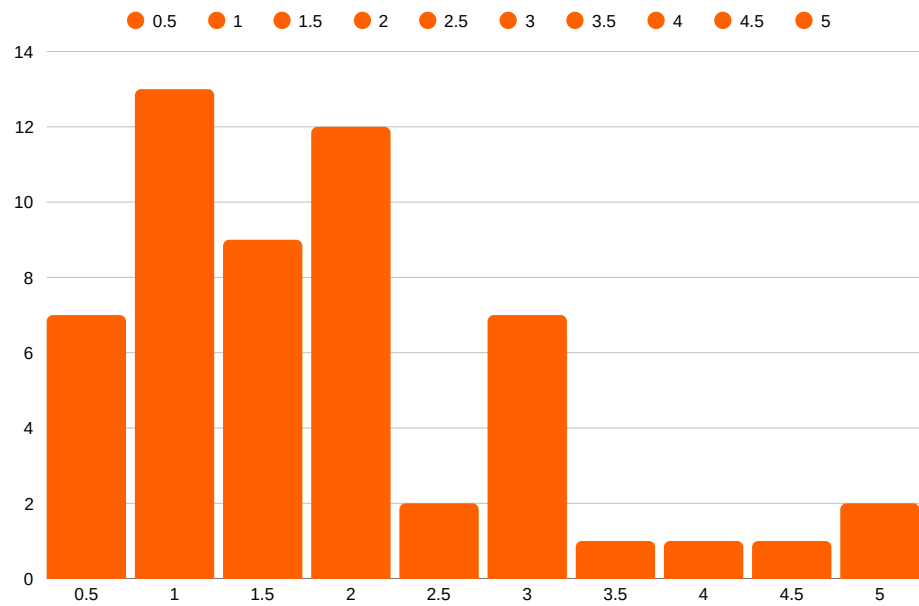
- Note:
- Majority of visitors came from Puchong and Subang
  - Almost half of the visitors interviewed came from the surrounding neighborhood

Transportation

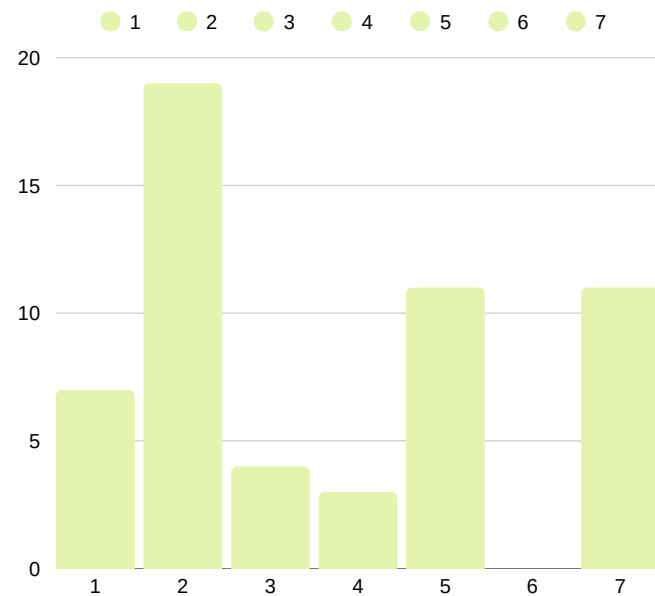


- Note:
- Only visitors coming from surrounding neighborhood access the park via foot and bike
  - Almost 3 quarters of visitors interviewed drove

Duration of visit/ hours



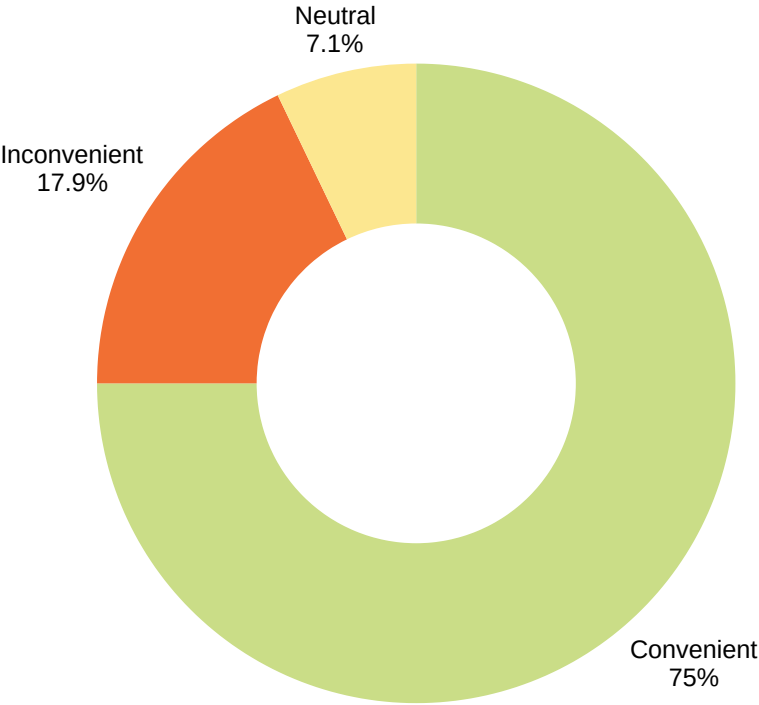
Frequency of visit/ days a week



- Note:
- Majority of visitors came only on the weekends

# Task 2 - Social Content

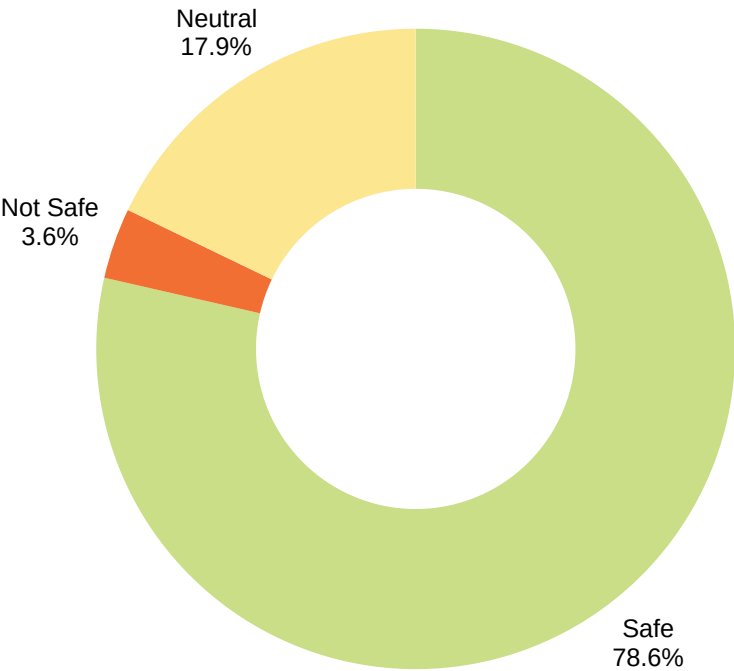
## Interview summary - Community Feedback



### Park Accessibility

*Note:*  
Visitors are generally satisfied with the accessibility, however insufficient parking raises concern for driving visitors.

- Main issues
- Lack of parking during peak hours
  - Non-park users taking up parking spots
  - Very limited parking spots
  - Uneven terrain leading to water pooling may affect user accessibility



### Park Safety

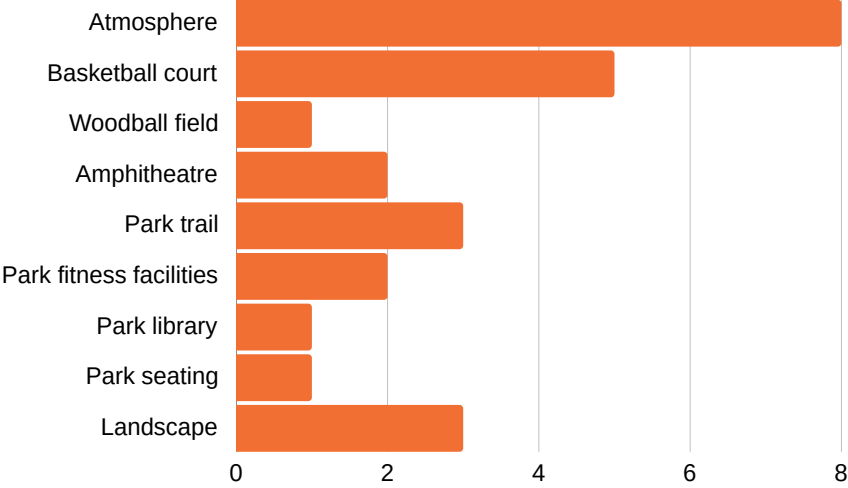
*Note:*  
Visitors are satisfied with the overall safety of the park, however some are concerned about the safety at night due to lack of lighting and crowd

- Main issues
- Lack of fencing around lake poses safety concerns to families with children
  - Lack of lighting across trails may cause safety and security hazards
  - Uneven terrain may pose safety concerns

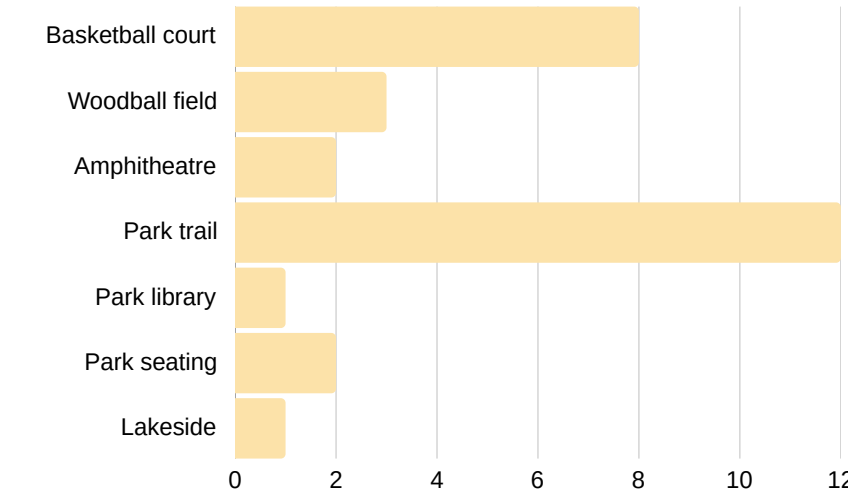
# Task 2 - Social Content

## Interview summary - Community Feedback

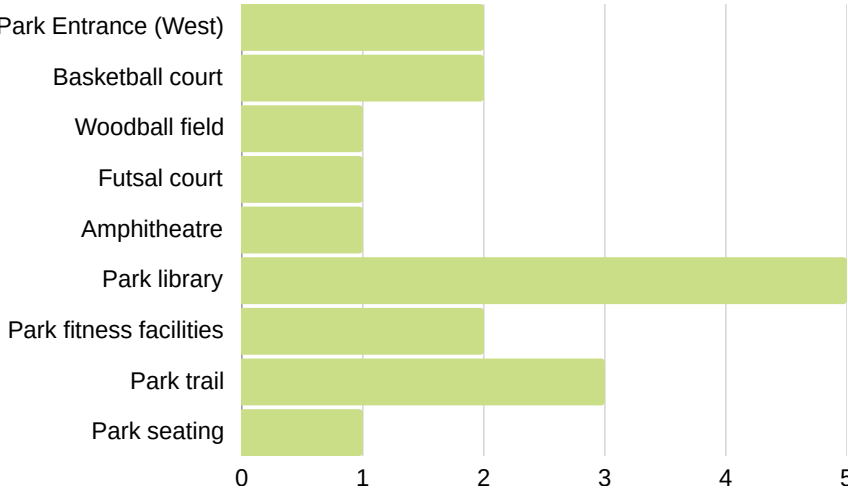
### What the community values



### What the community uses

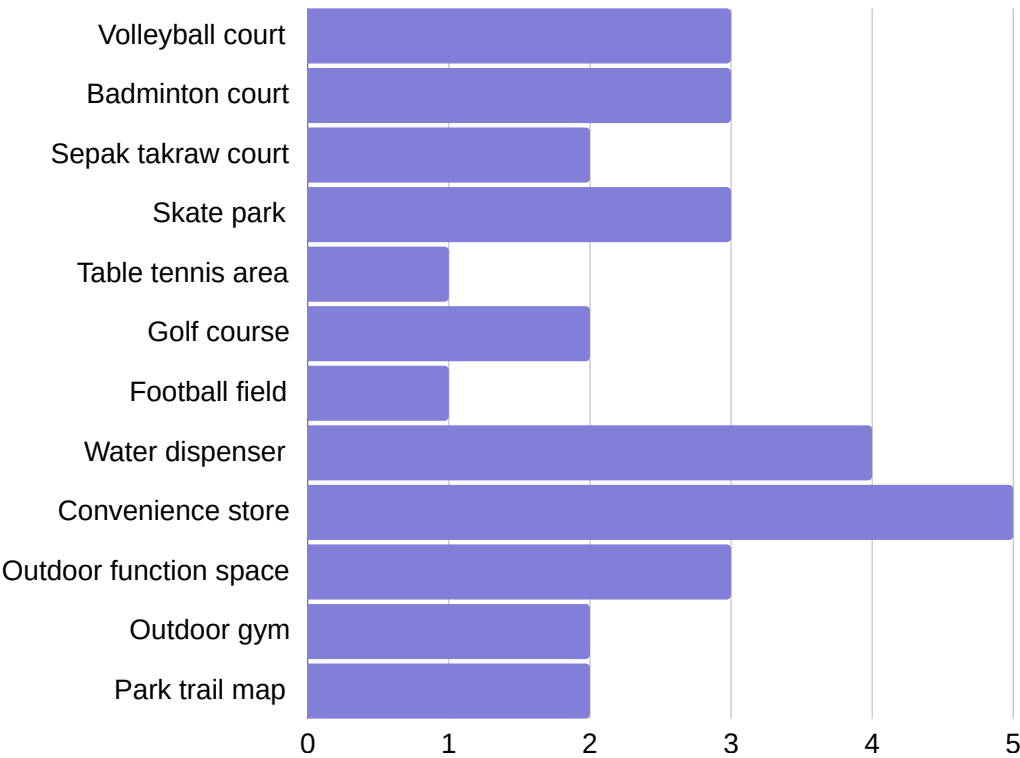


### What the community doesn't use

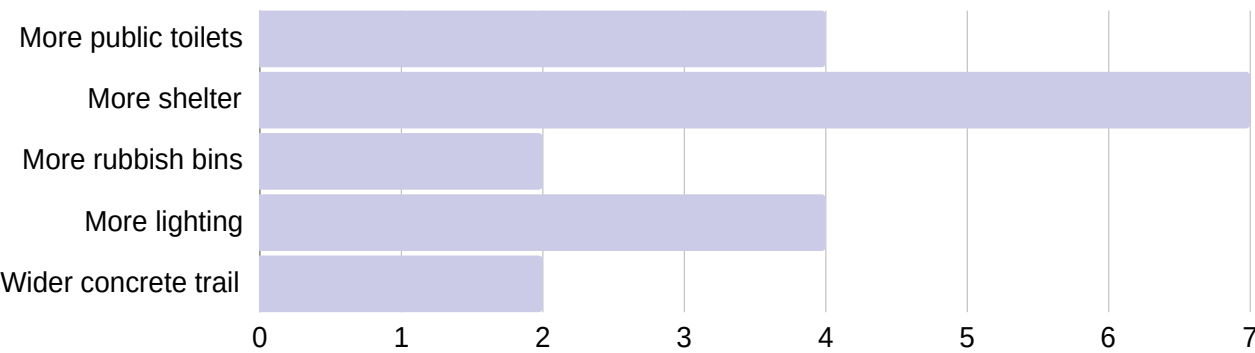


### What the community wants

#### Additions to the park

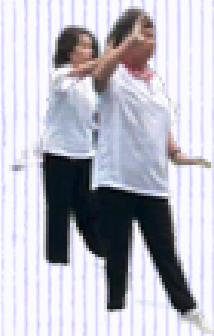


#### Improvements to the park



# Task 2 - Social Content

## Overview of subcommunities



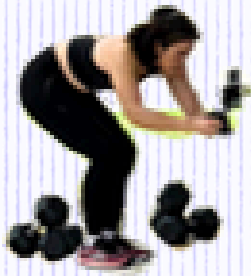
*Taichi*



*Wushu*



*School band*



*Yoga*



*Special needs basketball*



*Basketball*



*Woodball*



*Futsal*



*Fishing*



*Pet walking*

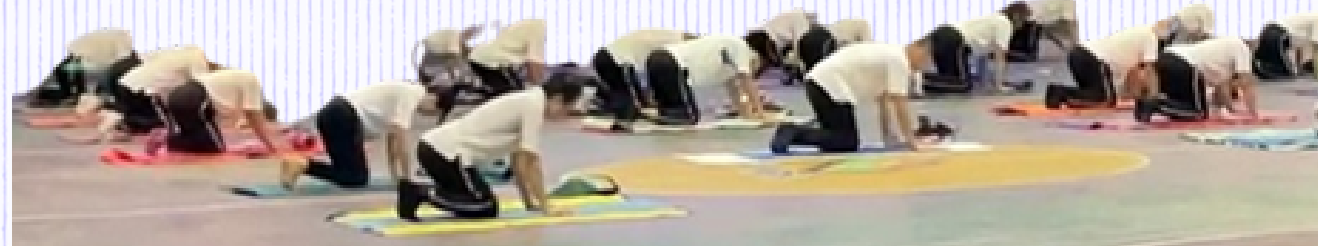


# Task 2 - Social Content

## Overview of subcommunities



*Special needs community bazaar*



*Meditation*



*Indian dance and instrumentals*



*Special needs community games*



*Jogging*



*Youth basketball training*



*Cycling*



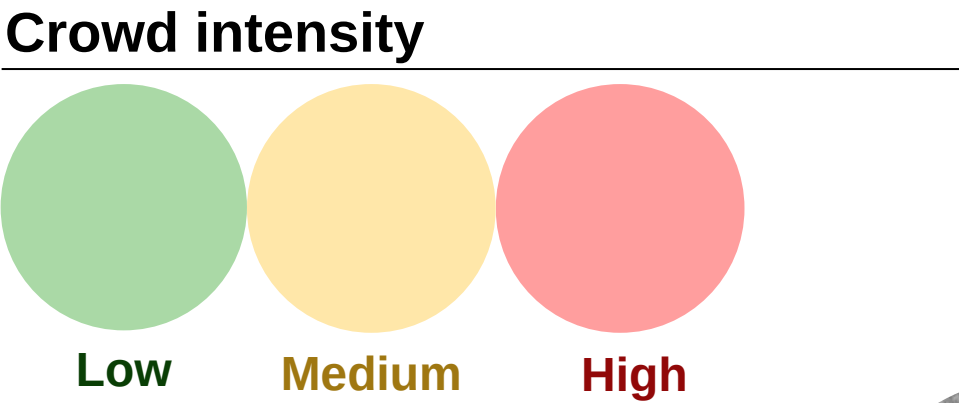
*Library reading*



*Zumba*

# Task 2 - Social Content

## Human Activities: *Weekday Morning to Afternoon*



**1. Tai Chi**  
**7:am - 9:am**  
Elders gather around the basketball court to conduct taichi



**2. Leisure**  
**7:am - 12:am**  
Park goers were using the gazebos for leisure activities such as resting and chatting with each other



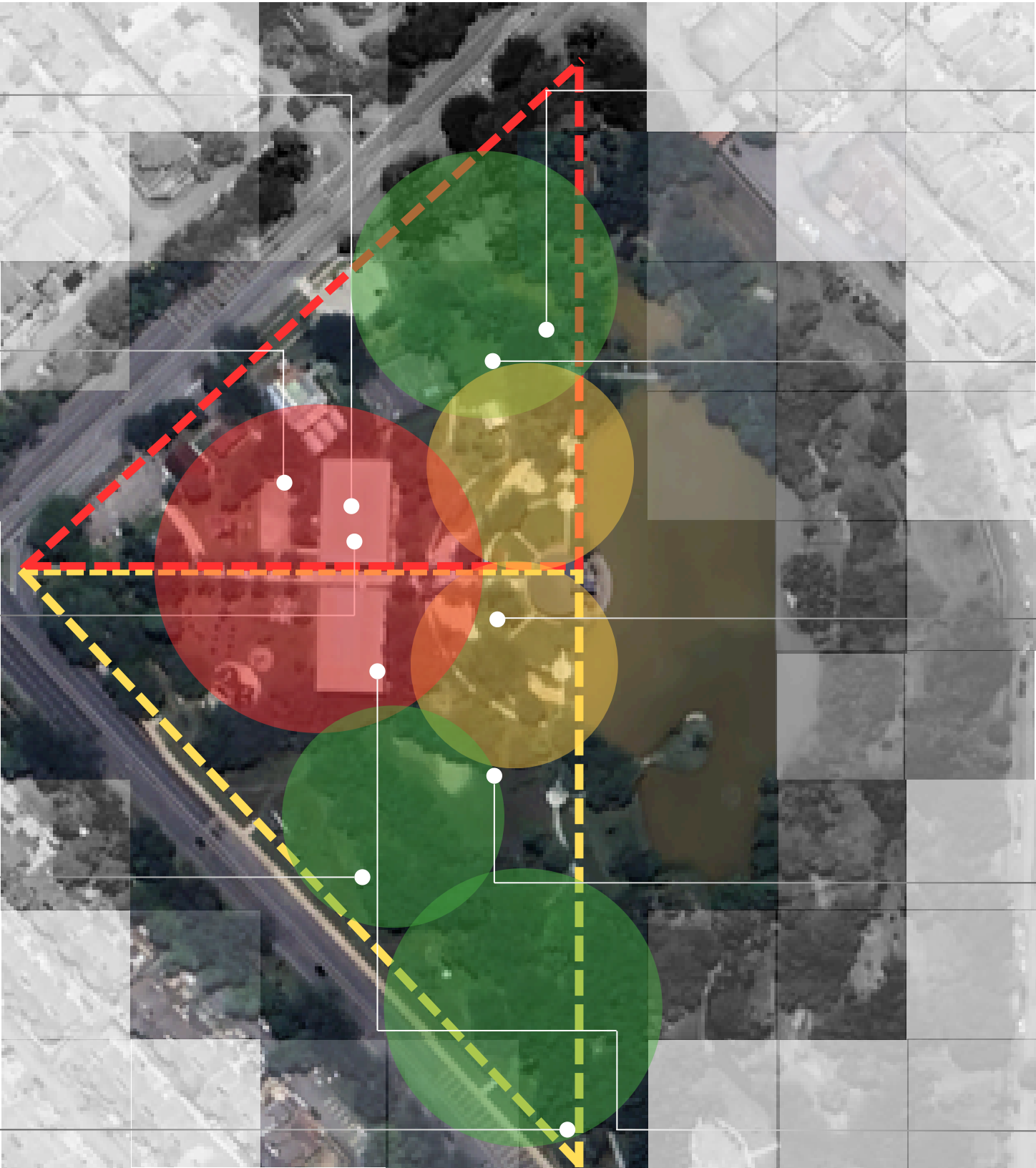
**3. Basketball**  
**9:am - 11:am**  
An Autistic care community in the park hold basketball exercises for their children.



**4. WoodBall**  
**7:am - 11:am**  
Players come throughout the day to enjoy the woodball course in park



**5. Calisthenics**  
**8:am - 10:am**  
Multiple Calisthenic and workout equipments are placed around the park.



**Gardening 6.**  
**7:am - 12:pm**  
Workers conduct gardening and maintenance tasks from morning to afternoon



**Reading 7.**  
**8:am - 10:am**  
Workers conduct gardening and maintenance tasks from morning to afternoon



**Pet Walking 8.**  
**8:am - 10:am**  
Pet owners can be spotted in the morning, bringing their pets out for a walk



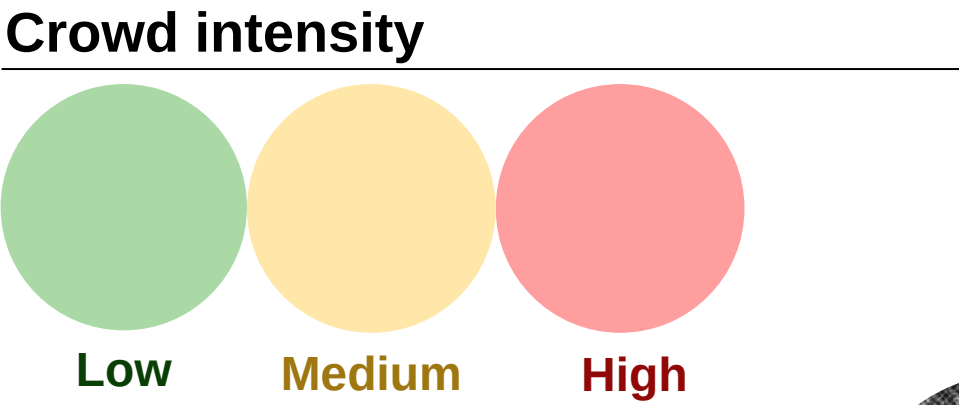
**Jogging 9.**  
**7:am - 10:am**  
Joggers can be seen throughout the park exercising and enjoying the morning breeze



**Zumba 10.**  
**7:am - 9:30am**  
Zumba takes place in parallel with Tai Chi at the basketball court

# Task 2 - Social Content

## Human Activities: *Weekday Afternoon to Evening*



**1. Basketball**  
**2:pm - 7:pm**  
visitors were playing basketball from 2pm to the evening with it peaking around 5-7pm



**2. Picnic**  
**2:pm - 5:pm**  
Families were seen to have a picnic on shaded grass next to the playground



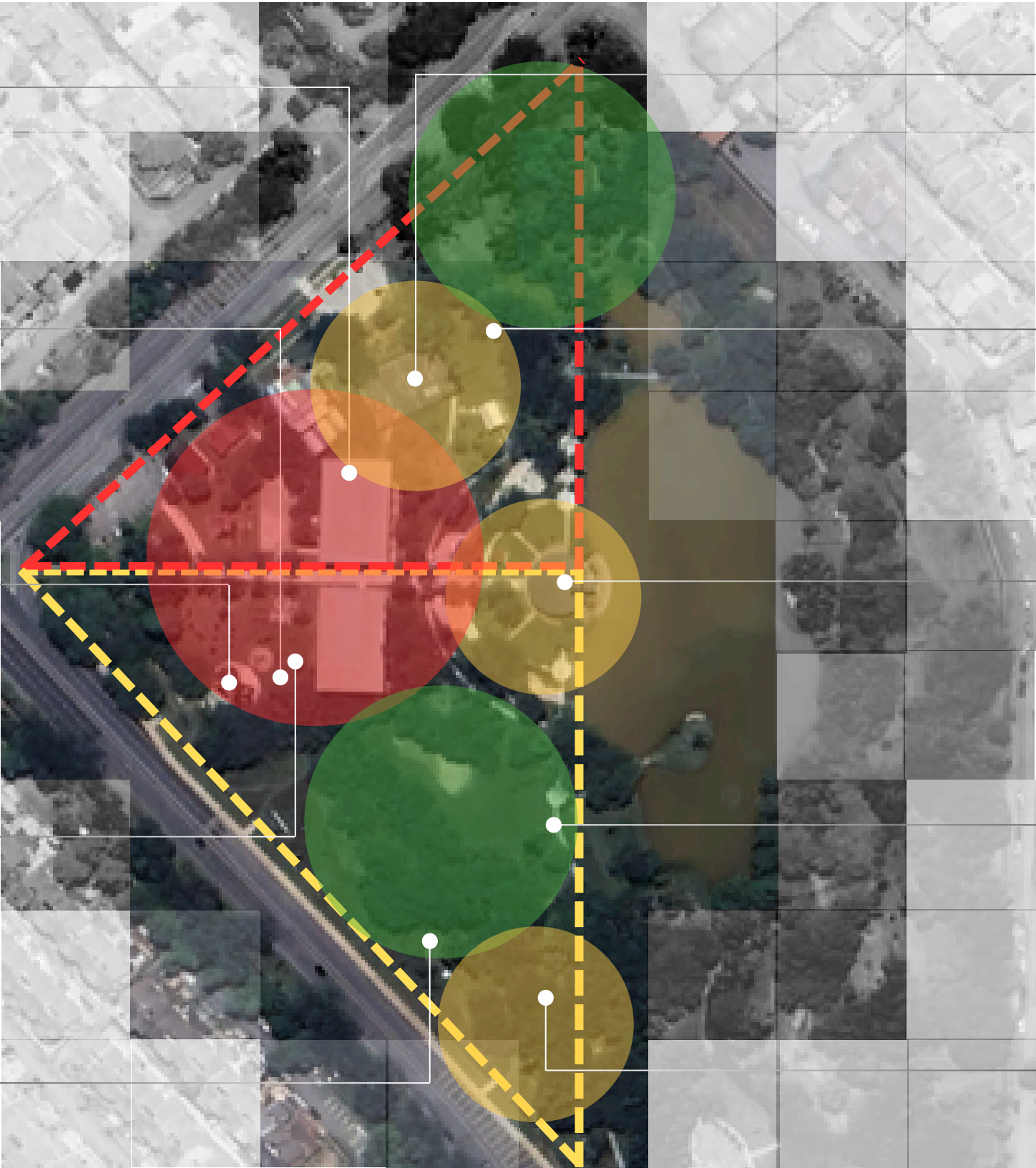
**3. Playground**  
**4:pm - 7:pm**  
Families brought their children to the playground for leisure, and socializing.



**4. Reading**  
**4:pm - 7:pm**  
Children who came to the playground were also spotted to rest and read in the reading area.



**5. WoodBall**  
**4:pm - 6:pm**  
In the afternoon, Woodball players can still be spotted despite the hot weather



**Futsal 6.**  
**5:pm - 7:pm**  
Futsal players come later in the day as the court lacks a roof for shelter from sun and rain.



**Pet Walking 8.**  
**4:pm - 7:pm**  
Pet owners can be spotted in the afternoon, bringing their pets out for a walk



**Fishing 7.**  
**4:am - 7:pm**  
Small groups of people come around the lake to take part in fishing.



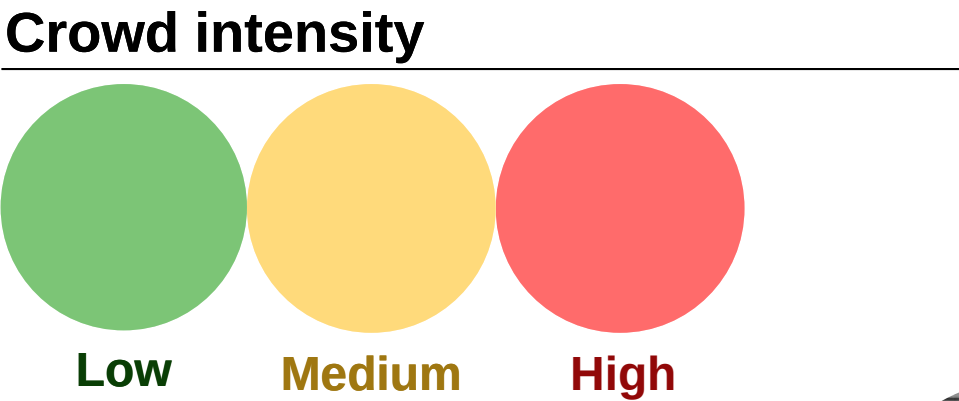
**Jogging 9.**  
**4:pm - 7:pm**  
Joggers come to exercise in the park around evening time once the weather doesn't get too hot



**Band Practice 10.**  
**4:pm - 6:pm**  
A group of secondary school students were drumming in the park for club practice after school

# Task 2 - Social Content

## Human Activities: *Weekend Morning to Afternoon*



**1. Taichi**  
**7:am - 10:am**  
Taichi clubs have sessions in the morning at the futsal court as well as at the basketball and badminton court



**2. Basketball Practice**  
**10:am - 2:pm**  
Private basketball practices happen on weekends where the majority of attendees are children



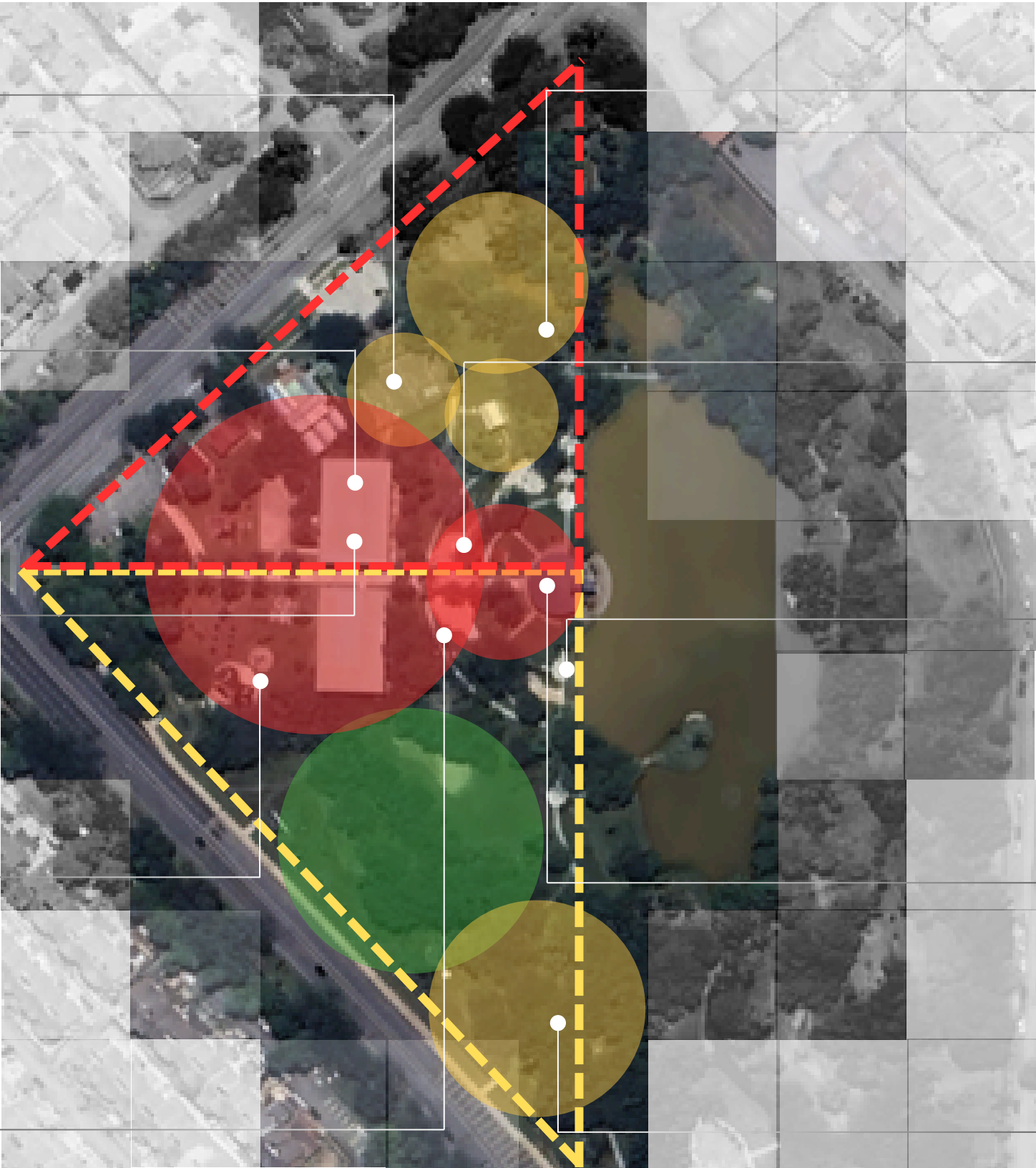
**3. Yoga + Meditation**  
**7:am - 10:am**  
Elders gather at the basketball court to conduct yoga and meditation sessions



**4. Playground**  
**7:am - 12:pm**  
Families bring their children on weekend mornings to play around the playground



**5. Strolling + Jogging**  
**7:am - 10:am**  
Visitors start coming to the park early in the morning for a stroll or to jog



**Woodball Tournament 6.**  
**7:am - 10:am**  
On our particular weekend, the park was hosting a woodball tournament in the morning



**Special Need kids Stall 7.**  
**7:am - 10:am**  
“Hi5sen” a special educational needs center was conducting activities with their children



**Staying Fit 8.**  
**7:am - 10:am**  
A couple of content creators “Staying Fit” were spotted in the park, filming exercising videos



**Indian Dance Practice 9.**  
**7:am - 10:am**  
Indian ladies were gathering in the park’s amphitheater for dance practice

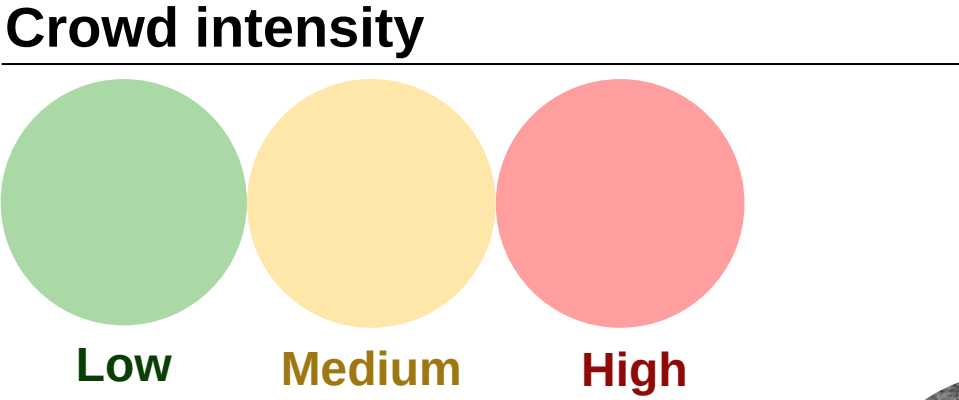


**Exercising 10.**  
**7:am - 9:30am**  
Park visitors utilize the exercise machines that are scattered around the park



# Task 2 - Social Content

## Human Activities: Weekend Afternoon to Evening



**1. Basketball**  
**2:pm - 7:pm**  
Adults as well as children play basketball matches in the park from afternoon to the evening



**2. Futsal**  
**5:pm - 7:pm**  
Futsal players come later in the day as the court lacks a roof for shelter from sun and rain.



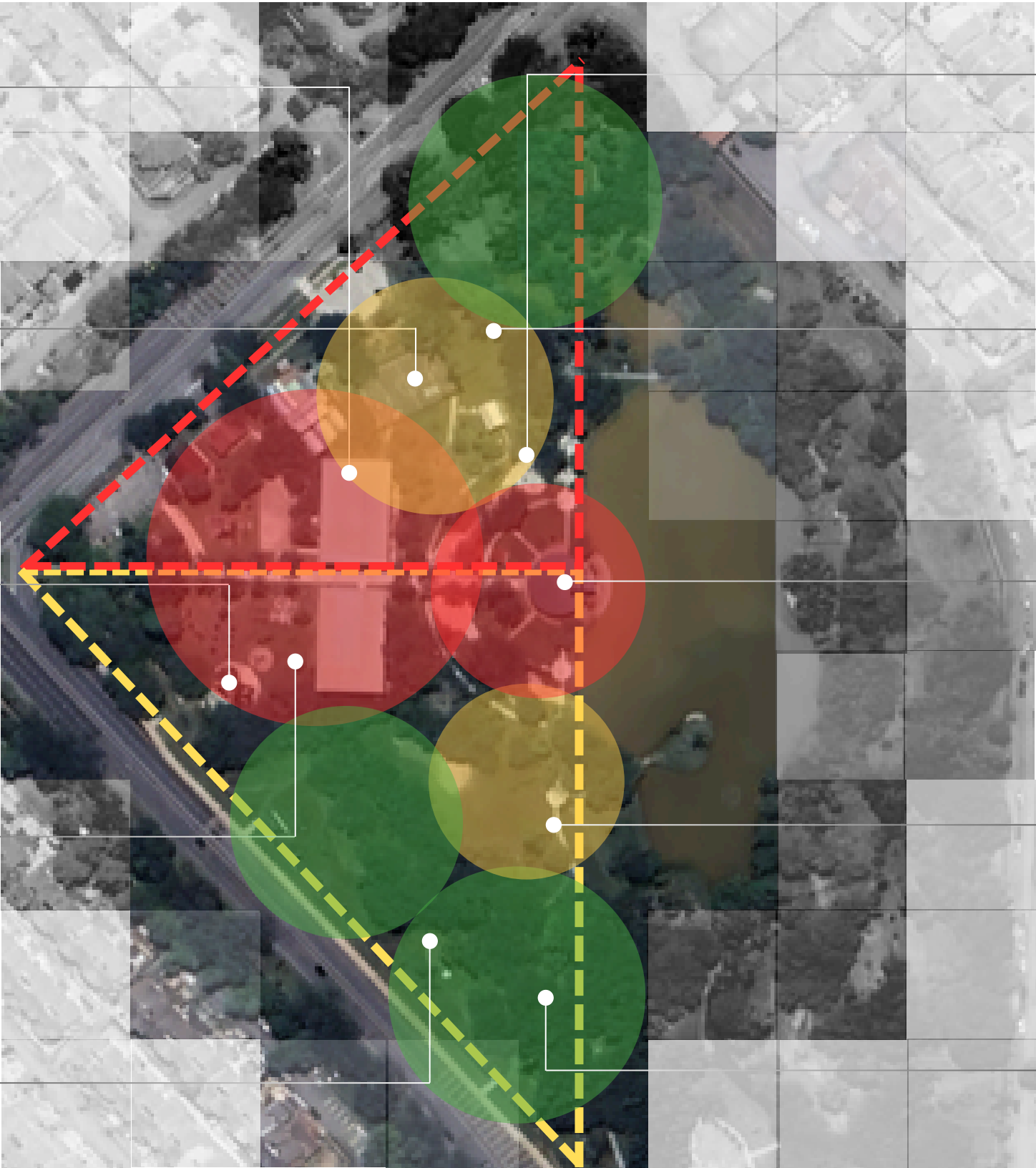
**3. Playground**  
**4:pm - 7:pm**  
Families brought their children to the playground for leisure, and socializing.



**4. Reading**  
**4:pm - 7:pm**  
Children who came to the playground were also spotted to rest and read in the reading area.



**5. WoodBall**  
**4:pm - 6:pm**  
In the afternoon, Woodball players can still be spotted despite the hot weather



**Bicycling 6.**  
**4:pm - 6:pm**  
A number of Bicyclist visit the park despite the park lacking proper pathways



**Pet Walking 8.**  
**4:pm - 7:pm**  
Pet owners can be spotted in the afternoon, bringing their pets out for a walk



**Fishing 7.**  
**4:am - 7:pm**  
Small groups of people come around the lake to take part in fishing.

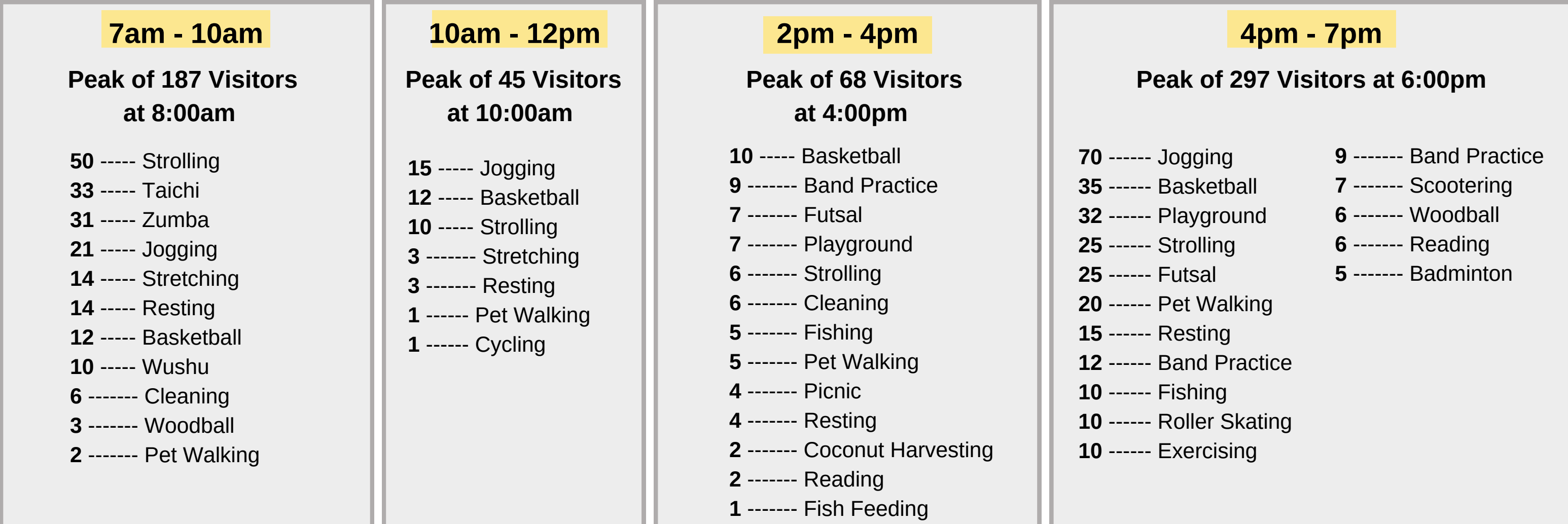


**Jogging 9.**  
**4:pm - 7:pm**  
Joggers come to exercise in the park around evening time once the weather doesn't get too hot



**Photography 10.**  
**4:pm - 6:pm**  
Photography sessions of cosplay on survey day.

## Timeline of Human Activities (**Weekday**)



70	-----	Jogging	9	-----	Band Practice
35	-----	Basketball	7	-----	Scootering
32	-----	Playground	6	-----	Woodball
25	-----	Strolling	6	-----	Reading
25	-----	Futsal	5	-----	Badminton
20	-----	Pet Walking			
15	-----	Resting			
12	-----	Band Practice			
10	-----	Fishing			
10	-----	Roller Skating			
10	-----	Exercising			

# Task 2 - Social Content

## Timeline of Human Activities (Weekend)



### 7am - 10am

Peak of 433 Visitors at 8:00am

63 ----- Strolling	15 ----- Picnic
50 ----- Basketball	10 ----- Stretching
40 ----- Yoga	10 ----- Wushu
38 ----- Playground	9 ----- Mini Stall
37 ----- Jogging	5 ----- Fish Feeding
28 ----- Meditation	5 ----- Filming Content
25 ----- Exercising	(Staying Fit)
24 ----- Taichi	5 ----- Cycling
20 ----- Zumba	5 ----- Resting
20 ----- Woodball	3 ----- Fishing
(Tournament)	2 ----- Cleaning
17 ----- Special need	2 ----- Badminton
kids event	

### 10am - 12pm

Peak of 228 Visitors at 10:00am

51 ----- Strolling
50 ----- Basketball
30 ----- Indian Dance
29 ----- Jogging
25 ----- Exercising
20 ----- Special needs
kids event
5 ----- Cleaning
5 ----- Reading
2 ----- Gardening
2 ----- Badminton
5 ----- Playground
4 ----- Woodball

### 2pm - 4pm

Peak of 106 Visitors at 4:00pm

40 ----- Basketball
11 ----- Strolling
10 ----- Jogging
10 ----- Woodball
7 ----- Photography
6 ----- Fishing
5 ----- Playground
4 ----- Cycling
4 ----- Resting
4 ----- Dancing
3 ----- Reading
2 ----- Cleaning

### 4pm - 7pm

Peak of 281 Visitors at 6:00pm

43 ----- Playground	7 ----- Reading
40 ----- Basketball	7 ----- Photography
40 ----- Strolling	4 ----- Cycling
30 ----- Gathering (picnic)	3 ----- Dancing
25 ----- Jogging	2 ----- Badminton
20 ----- Woodball	
20 ----- Futsal	
17 ----- Fishing	
15 ----- Resting	
8 ----- Pet Walking	

# Task 3 - Natural & Manmade Features

## Natural Features: North

### TREES/SHRUBS IN THE AREA:



**Queen's Crape**  
*Lagerstroemia Speciosa*  
Av. Height: 2 - 4 m  
Av. Canopy: 1.5 - 3 m  
Av. Trunk: 3 - 10 cm  
Av. Growth Type: **Tree**



**Raintree**  
*Samanea Saman*  
Height: 9 - 15 m  
Av. Canopy: 12 - 18 m  
Av. Trunk: 50 - 100 cm  
Av. Growth Type: **Tree**



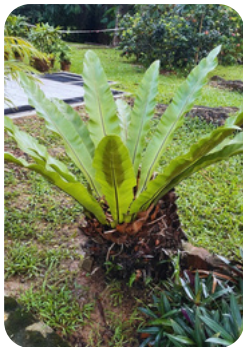
**Palm Tree**  
*Elaeis Guineensis*  
Av. Height: 10 - 20 m  
Av. Canopy: 8 - 10 m  
Av. Trunk: 30 - 60 cm  
Av. Growth Type: **Tree**



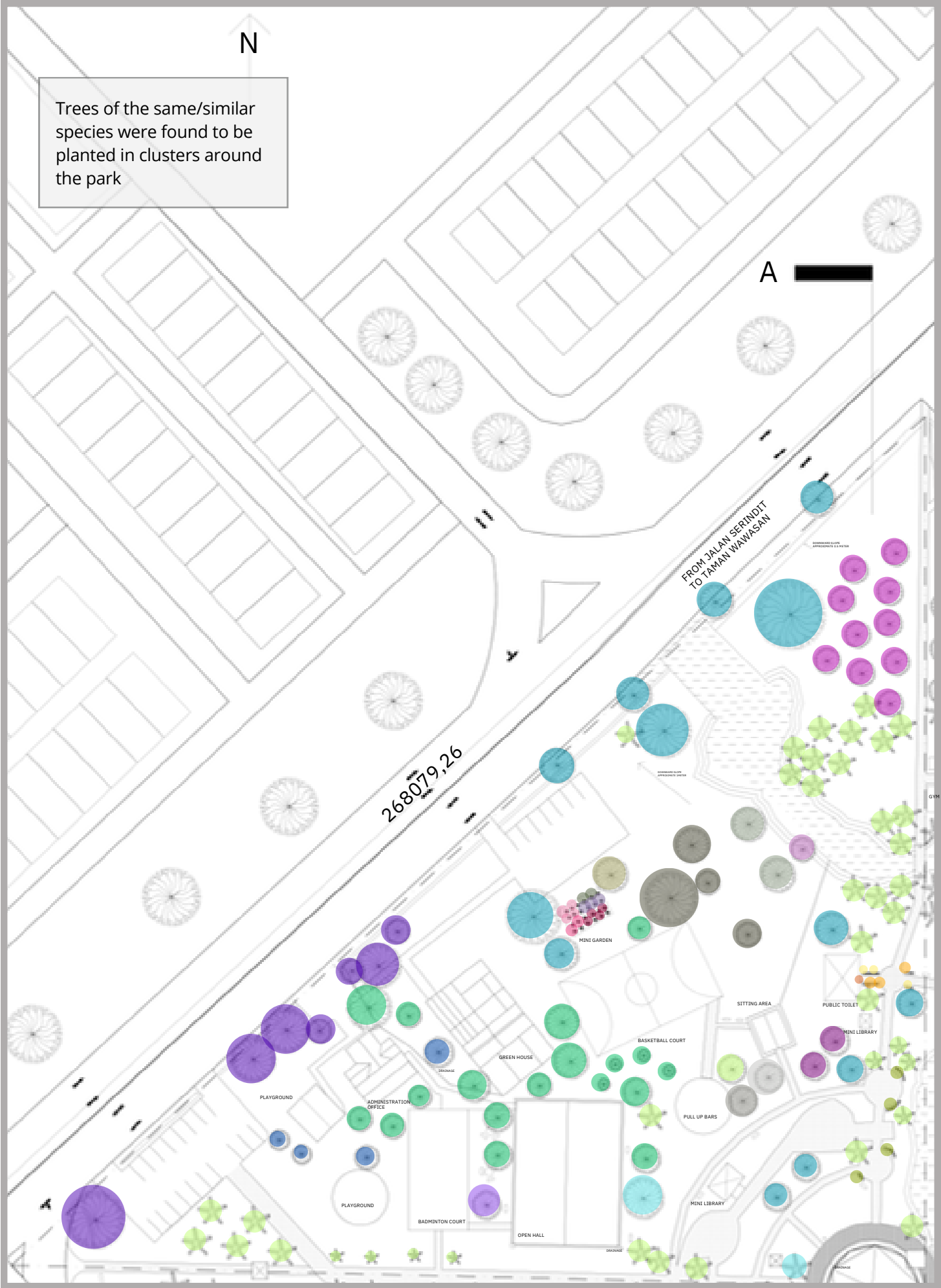
**Chinese Ixora**  
*Ixora Chinensis*  
Height: 1 - 2 m  
Av. Canopy: 1.5 - 3 m  
Av. Trunk: 1 - 3 cm  
Av. Growth Type: **Shrub**



**Songs of India**  
*Dracaena Reflexa*  
Height: 0.5 - 1 m  
Av. Canopy: 0.3 - 0.6 m  
Av. Trunk: 1 - 2 cm  
Av. Growth Type: **Shrub**



**Bird Nest Fern**  
*Asplenium Nidus*  
Height: 0.5 - 1 m  
Av. Canopy: 0.8 - 1.5 m  
Av. Trunk: 10 - 20 cm  
Av. Growth Type: **Fern**



**Pink Poui**  
*Tabebuia Rosea*  
Height: 9 - 15 m  
Av. Canopy: 6 - 12 m  
Av. Trunk: 30 - 40 cm  
Av. Growth Type: **Tree**



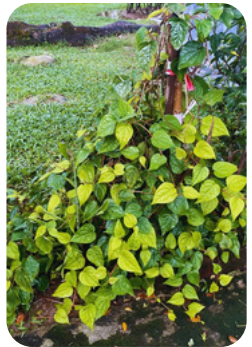
**Medlar**  
*Mimusops Elengi*  
Height: 5 - 12 m  
Av. Canopy: 4 - 7 m  
Av. Trunk: 20 - 40 cm  
Av. Growth Type: **Tree**



**Satellite Tree**  
*Terminalia mantaly*  
Av. Height: 4 - 9 m  
Av. Canopy: 6 - 10 m  
Av. Trunk: 40 - 70 cm  
Av. Growth Type: **Tree**



**Brazilian Firetree**  
*Schizolobium Parahyba*  
Height: 15 - 30 m  
Av. Canopy: 6 - 10 m  
Av. Trunk: 50 - 100 cm  
Av. Growth Type: **Tree**



**Betel**  
*Piper Betle*  
Height: 0.2 - 0.8 m  
Av. Canopy: 0.3 - 1 m  
Av. Trunk: 0.5 - 2 cm  
Av. Growth Type: **Vine**



**Morning glory**  
*Ipomoea Purpurea*  
Height: 1 - 2 m  
Av. Canopy: 1 - 2 m  
Av. Trunk: 0.5 - 1 cm  
Av. Growth Type: **Tree**

# Task 3 - Natural & Manmade Features

## Natural Features: North

### TREES/SHRUBS IN THE AREA:



Dishrag Gourd

*Luffa Aegyptiaca*  
Height: 2 - 3 m  
Av. Canopy: 1 - 2 m  
Av. Trunk: 1 - 2 cm  
Av. Growth Type: **Vine**



Sweet Basil

*Ocimum Basilicum*  
Height: 0.3 - 0.9 m  
Av. Canopy: 0.3 - 0.5 m  
Av. Trunk: 1 - 2 cm  
Av. Growth Type: **Herb**



Passion Fruit

*Passiflora Edulis*  
Height: 2 - 3 m  
Av. Canopy: 1 - 2 m  
Av. Trunk: 1 - 2 cm  
Av. Growth Type: **Vine**



Amboyana-wood

*Pterocarpus Indicus*  
Height: 7 - 10 m  
Av. Canopy: 6 - 8 m  
Av. Trunk: 10 - 20 cm  
Av. Growth Type: **Tree**



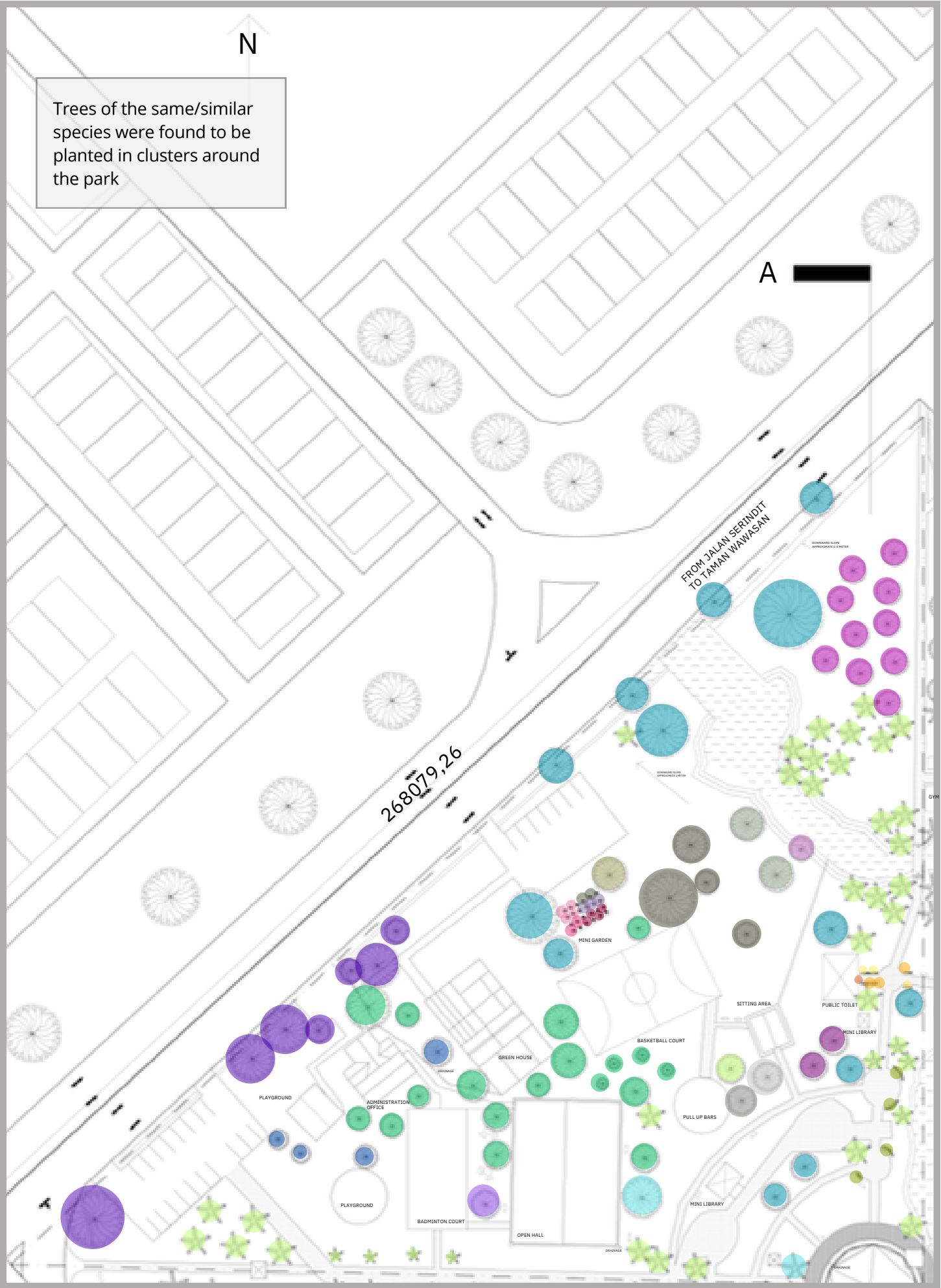
Rosella

*Hibiscus Sabdariffa*  
Height: 0.5 - 1 m  
Av. Canopy: 0.5 - 1 m  
Av. Trunk: 2 - 5 cm  
Av. Growth Type: **Shrub**



Malayan Chestnut

*Castanopsis Genus*  
Height: 6 - 8 m  
Av. Canopy: 4 - 6 m  
Av. Trunk: 20 - 30 cm  
Av. Growth Type: **Tree**



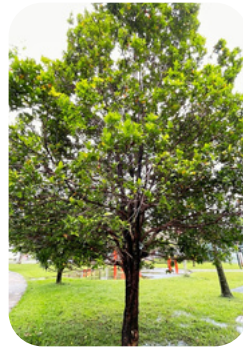
Wamin Bamboo

*Bambusa Vulgaris*  
Height: 2 - 5 m  
Av. Canopy: 2 - 4 m  
Av. Trunk: 4 - 8 cm  
Av. Growth Type: **Grass**



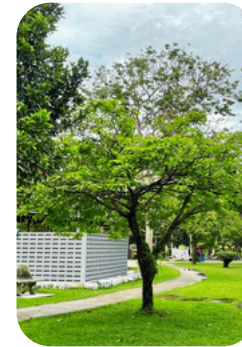
Mabolo

*Diospyros Blancoi*  
Height: 9 - 11 m  
Av. Canopy: 5 - 8 m  
Av. Trunk: 30 - 60 cm  
Av. Growth Type: **Tree**



Brazil Cherry

*Eugenia Uniflora*  
Height: 5 - 7 m  
Av. Canopy: 3 - 5 m  
Av. Trunk: 15 - 20 cm  
Av. Growth Type: **Tree**



Smallflower Chasetree

*Lagerstroemia Parviflora*  
Height: 2 - 5 m  
Av. Canopy: 2 - 4 m  
Av. Trunk: 10 - 20 cm  
Av. Growth Type: **Tree**



Plum Pine

*Podocarpus Macrophyllus*  
Height: 6 - 10 m  
Av. Canopy: 4 - 6 m  
Av. Trunk: 20 - 40 cm  
Av. Growth Type: **Tree**



Tree of Heaven

*Ailanthus Altissima*  
Av. Height: 10 - 27 m  
Av. Canopy: 6 - 12 m  
Av. Trunk: 30 - 60 cm  
Av. Growth Type: **Tree**

# Task 3 - Natural & Manmade Features

## Natural Features: South

### TREES/SHRUBS IN THE AREA:



**Palm Tree**  
*Arecaceae*  
Av. Height: 10-30 m  
Av. Canopy: 8-10 m  
Av. Trunk: 30-60 cm  
Av. Growth Type: **Tree**



**Bishop Wood**  
*Bischofia javanica*  
Av. Height: Up to 40 m  
Av. Canopy: 12 to 18 m  
Av. Trunk: 40-70 cm  
Av. Growth Type: **Tree**



**Satellite Tree**  
*Terminalia mantaly*  
Av. Height: 15-40 m  
Av. Canopy: 6-10 m  
Av. Trunk: 40-70 cm  
Av. Growth Type: **Tree**



**Rainforest Tree**  
*Koompassia malaccensis*  
Av. Height: 20-50 m  
Av. Canopy: 10-20 m  
Av. Trunk: 30-100 cm  
Av. Growth Type: **Tree**



**Cariniana Legalis**  
*Cariniana*  
Av. Height: 30-45 m  
Av. Canopy: 15-20 m  
Av. Trunk: 60-120 cm  
Av. Growth Type: **Tree**



**Blackwood**  
*Acacia melanoxylon*  
Av. Height: 6-10m  
Av. Canopy: 4-10m  
Av. Trunk: 30-60 cm  
Av. Growth Type: **Tree**



**Weeping Fig**  
*Ficus benjamina*  
Av. Height: 10-25 m  
Av. Canopy: 4-10 m  
Av. Trunk: 30-60 cm  
Av. Growth Type: **Tree**



**Oil Palm Tree**  
*Elaeis Guineensis*  
Av. Height: 10-20 m  
Av. Canopy: 8-10 m  
Av. Trunk: 30-60 cm  
Av. Growth Type: **Tree**



**Madagascar Almond Tree**  
*Terminalia catappa*  
Av. Height: 15-23 m  
Av. Canopy: 10-15 m  
Av. Trunk: 40-100 cm  
Av. Growth Type: **Tree**



**Blackboard tree**  
*Alstonia scholaris*  
Av. Height: 15-40  
Av. Canopy: 6-10m  
Av. Trunk: 40-80 cm  
Av. Growth Type: **Tree**



**Sengkurat**  
*Elaeocarpus Obtusus*  
Av. Height: 10-25m  
Av. Canopy: 6-10m  
Av. Trunk: 18-24cm  
Av. Growth Type: **Tree**



**Royal Poinciana**  
*Dracaena reflexa*  
Av. Height: 8-12 m  
Av. Canopy: 12-15 m  
Av. Trunk: 30-60 cm  
Av. Growth Type: **Tree**

# Task 3 - Natural & Manmade Features

## Natural Features: South

### TREES/SHRUBS IN THE AREA:



**Spray of Gold**  
*Galphimia Gracilis*  
Av. Height: 0.9 – 1.8 m  
Av. Trunk: 1–3 cm  
Av. Growth Type: **Shrub**



**Golden Gardenia**  
*Gardenia tubifera*  
Av. Height: 1.5-2 m  
Av. Trunk: 2–4 cm  
Av. Growth Type: **Shrub or Small Tree**



**Shrubby Whitevein**  
*Sanchezia*  
Av. Height: 1.5–3 m  
Av. Trunk: 2-3cm  
Av. Growth Type: **Shrub**



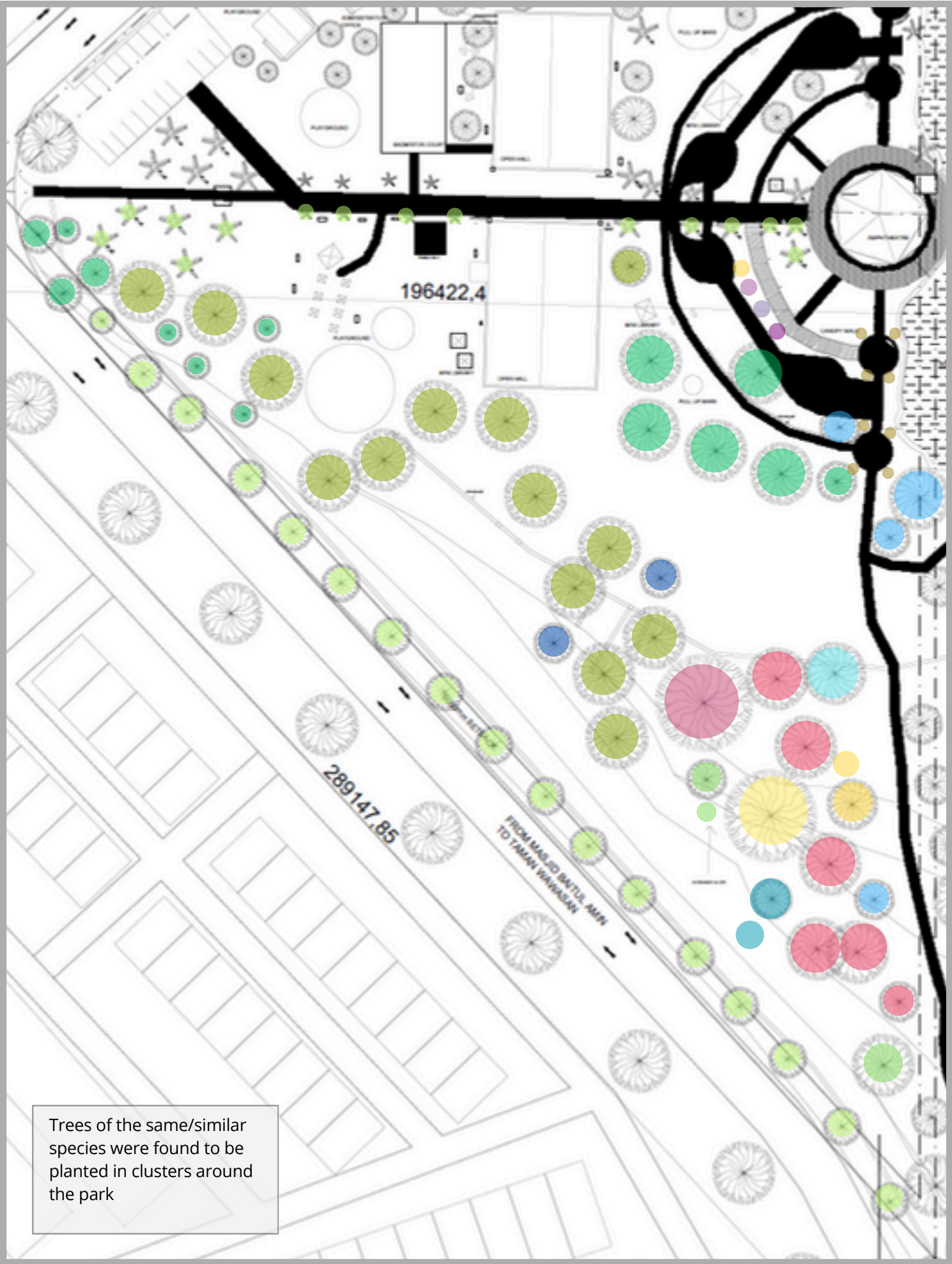
**Yellow poincana**  
*Peltophorum pterocarpum*  
Av. Height: 15-30m  
Av. Canopy: 12-18 m  
Av. Trunk: 40-80 cm  
Av. Growth Type: **Tree**



**Australian Goldvine**  
*Tristellateia australasiae*  
Av. Height: 8–23 m  
Av. Canopy: 3–10 m  
Av. Growth Type: **Vine**



**Butterfly pea**  
*Clitoria ternatea*  
Av. Height: 3 m  
Av. Trunk: 1-2 cm  
Av. Growth Type: **Vine**



**Chinese fringe flower**  
*Loropetalum Chinese*  
Av. Height: 1-2 m  
Av.Trunk: 2-4 cm  
Av. Growth Type: **Shrub**



**Andean Oak**  
*Quercuz Humboldtii*  
Av. Height: 15–23 m  
Av. Canopy: 10–15 m  
Av. Trunk: 50-120 cm  
Av. Growth Type: **Tree**



**Noni Plant**  
*Morinda citrifolia*  
Av. Height: 15–23 m  
Av. Canopy: 10–15 m  
Av. Trunk: 2-4 cm  
Av. Growth Type: **Shrub or Small tree**



**Flame of the Woods (red)**  
*Ixora coccinea*  
Av. Height: 15–23 m  
Av. Canopy: 10–15 m  
Av. Trunk: 5-10 cm  
Av. Growth Type: **Shrub**



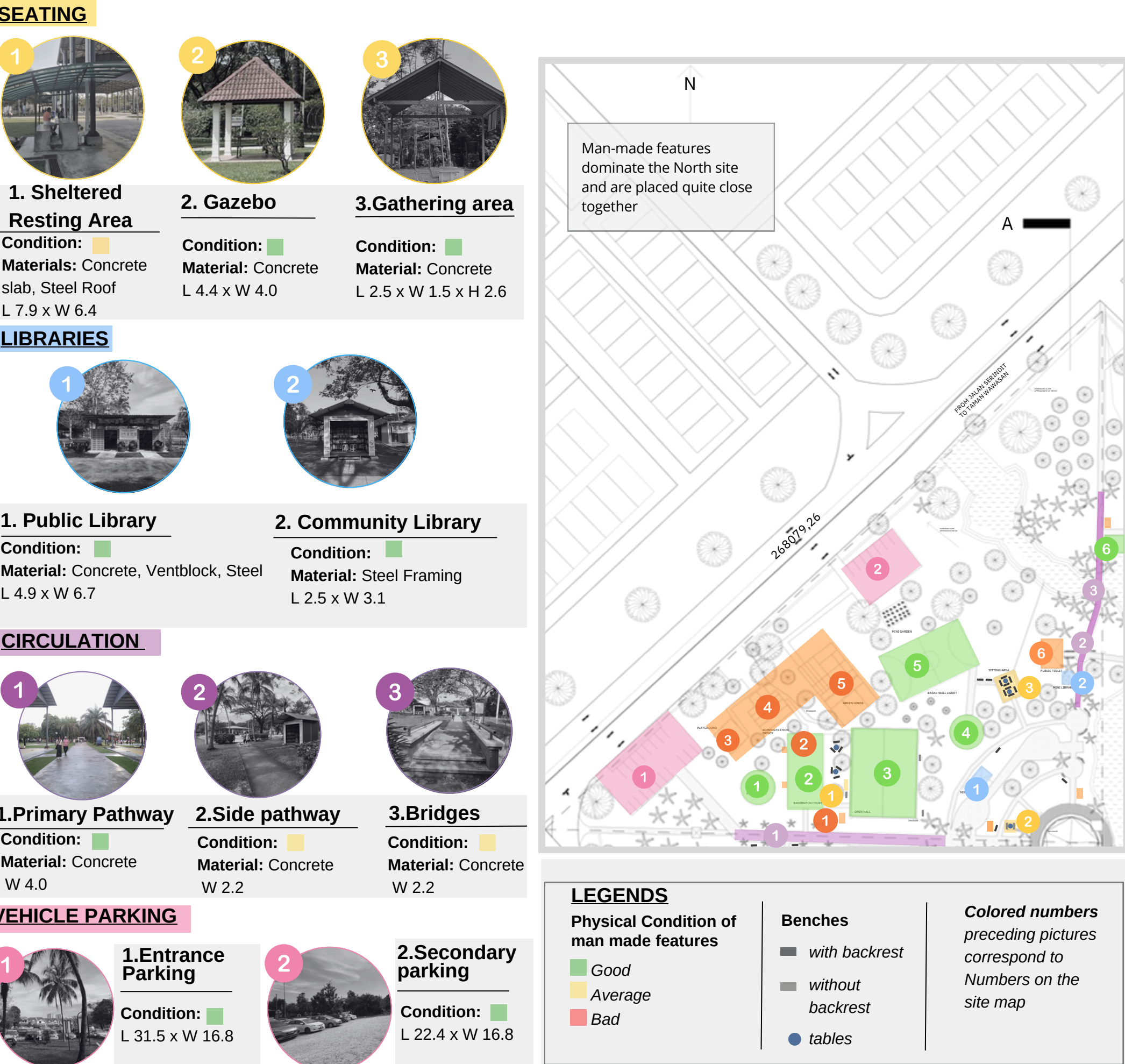
**Rangoon Creeper**  
*Combretum indicum*  
Av. Height: 8 to 15m  
Av. Trunk: 2.5 to 3cm  
Av. Growth Type: **Vine**



**Huang Teng**  
*Fibraurea Recisa*  
Av. Height: 5-10 m  
Av. Trunk: 2-5 cm  
Av. Growth Type: **Vine**

# Task 3 - Natural & Manmade Features

## Manmade Features: North



# Task 3 - Natural & Manmade Features

## Manmade Features: South

### SEATING



1. Amphitheatre

Condition: ■  
Materials: Concrete, Tensile roof, Steel  
Stage diameter: 9.7



2. Benches

Condition: ■  
Material: Concrete  
L 2 x W 0.47 x H 0.35



Condition: ■  
Material: Concrete  
L 1.2 x W 0.46 x H 0.7

### LIBRARIES



1. Community Library

Condition: ■  
Material: Steel Framing  
L 2.4 x W 2.8



2. Public Library

Condition: ■  
Material: Steel, Timber  
L 2.4 x W 2.8



3. Public Library (not in use)

Condition: ■  
Material: Steel  
L 2.4 x W 2.8

### CIRCULATION



1. Tunnel Path



3. Steps



2. Primary Pathway



3. Secondary Pathways



The South does have some recreational man made features but is less than the north, hence more open spaces

### LEGENDS

Physical Condition of man made features

- Good
- Average
- Bad

#### Benches

- with backrest
- without backrest

Colored numbers preceding pictures correspond to Numbers on the site map

Note: All dimensions provided are in meters

### PLAY AREA



1. Playground

Condition: ■



2. Pull-up Bars

Condition: ■



3. Outdoor Gym

Condition: ■



4. Climbing Wall

Condition: ■



5. Swing set

Condition: ■



6. Basketball

Condition: ■

### MISCELLANEOUS



1. Bugs hotel

Condition: ■  
Material: Timber  
L 1.5 x W 0.3 x H 2.7



2. Lamp Post

Condition: ■  
Material: Steel  
H 5.7



3. CCTV Pole

Condition: ■  
Material: Steel  
H 2.9



Basketball Court

Condition: ■  
Material: Timber  
L 1.5 x W 0.3 x H 2.7

Most used man-made structure on the south and has people throughout the day



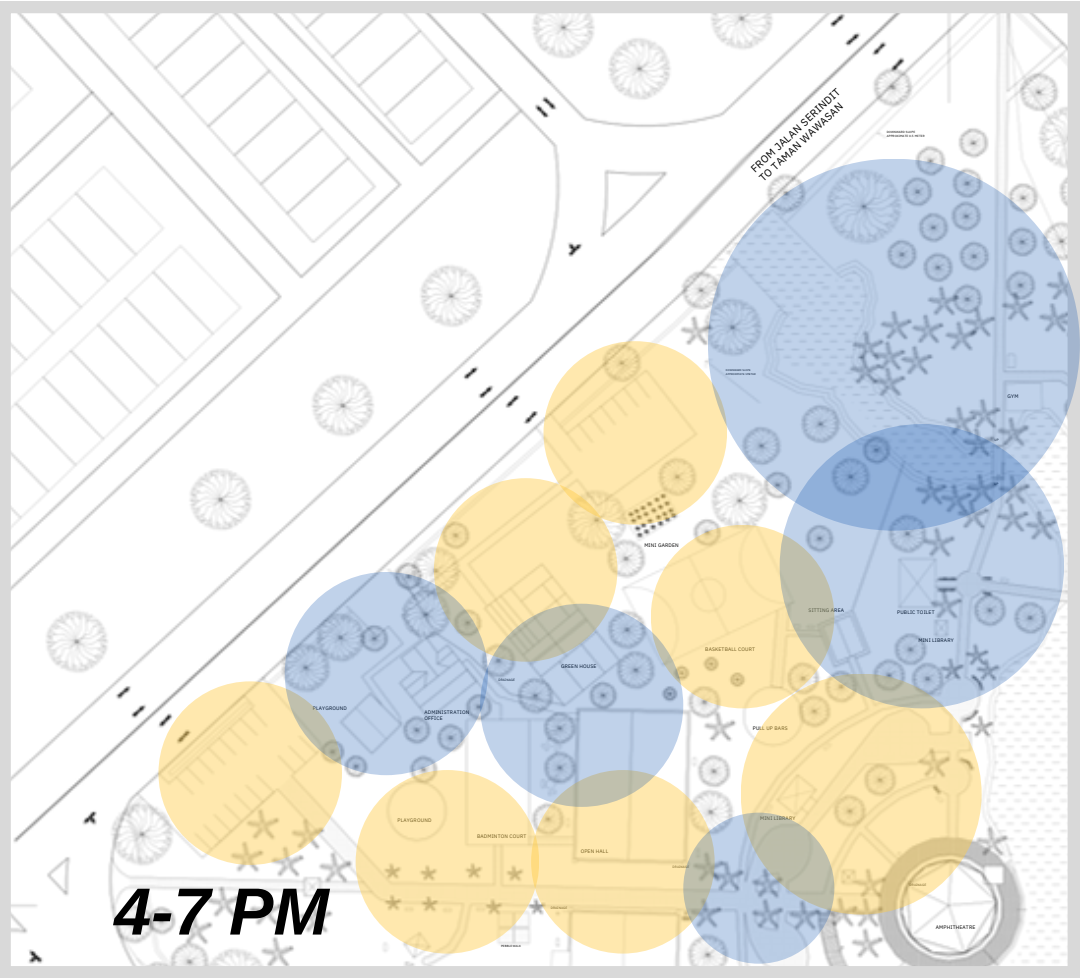
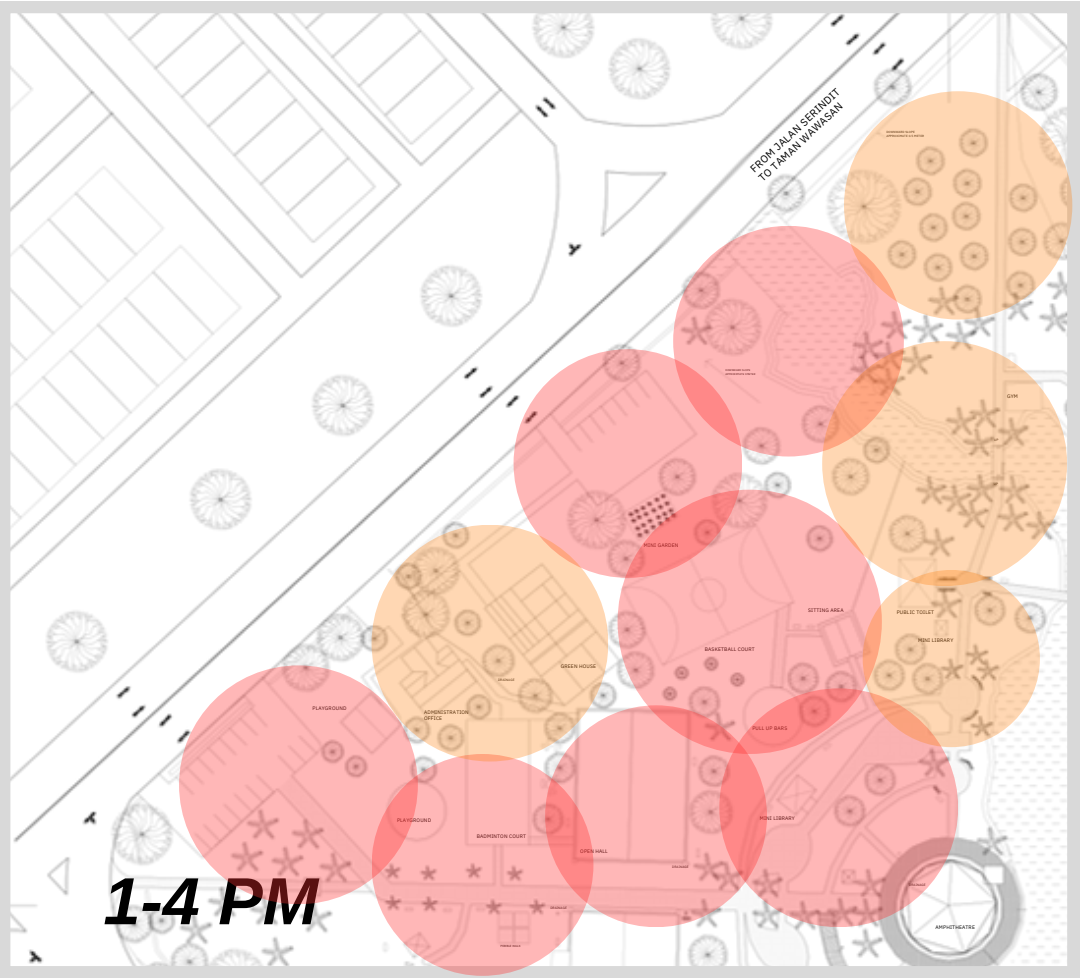
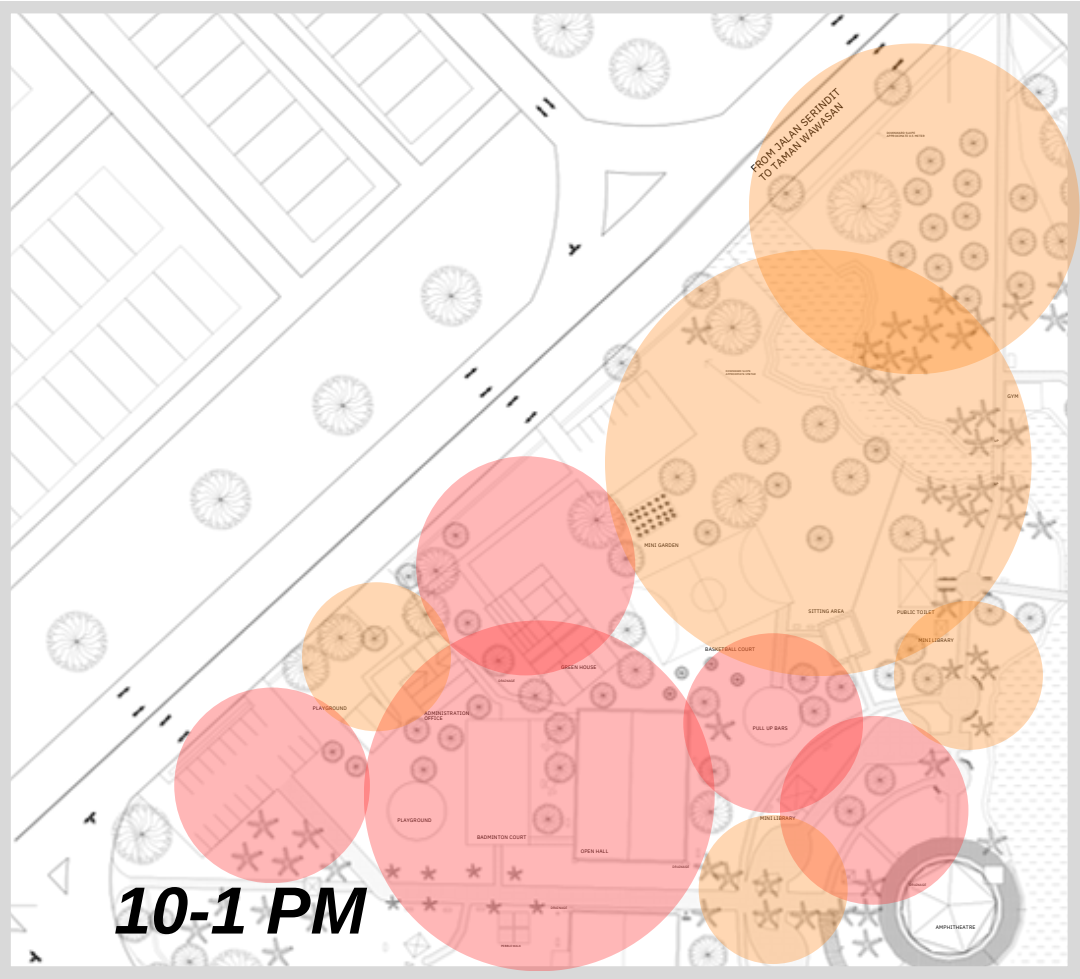
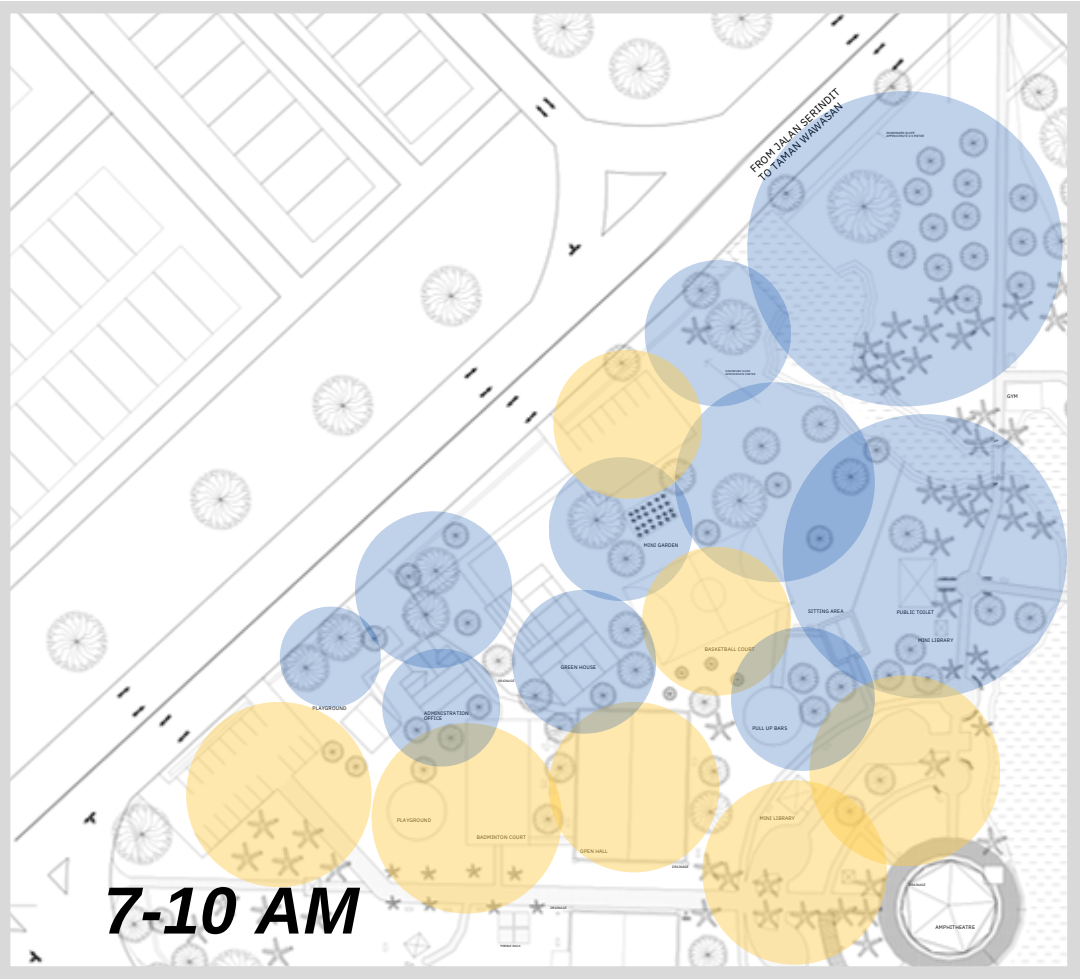
Recycle Bins

Condition: ■  
Material: Plastic  
L 2.1 x W 1.2

Good location however needed to be emptied and upkeep better

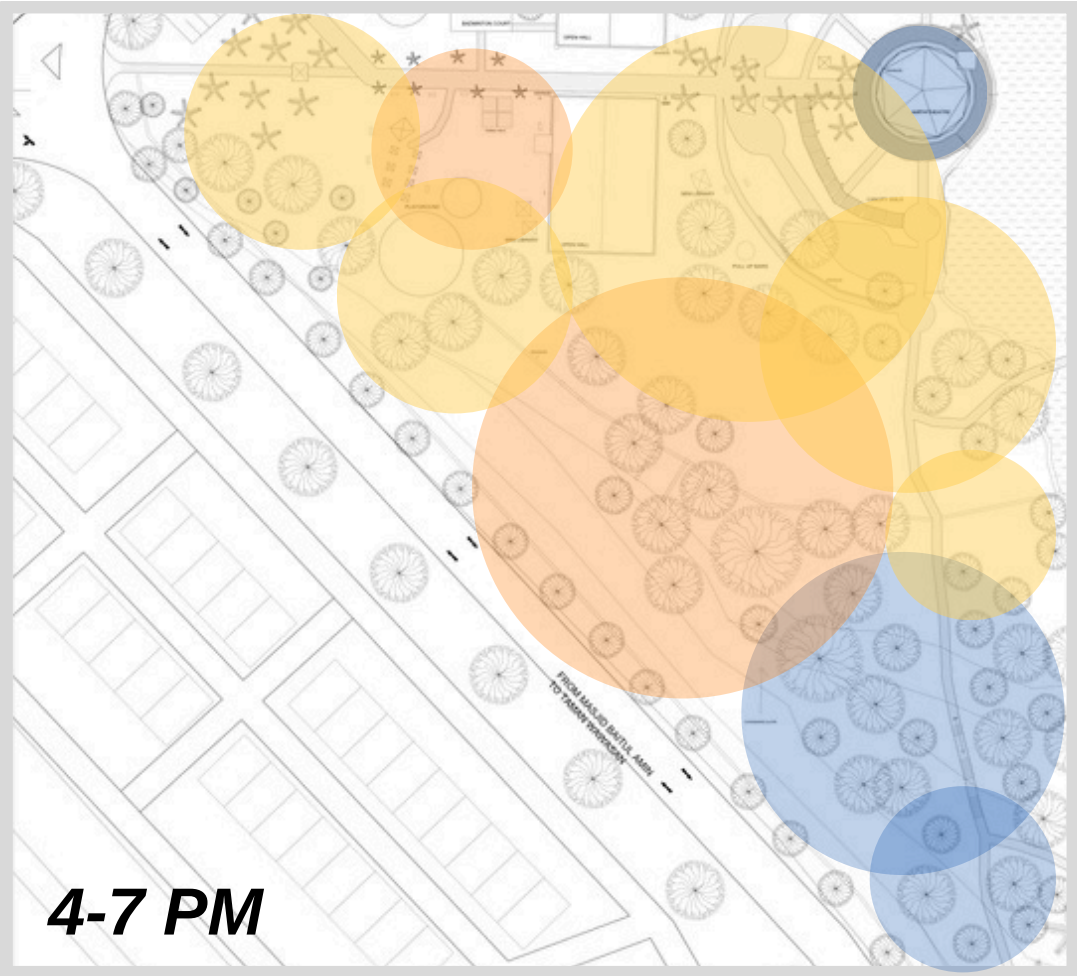
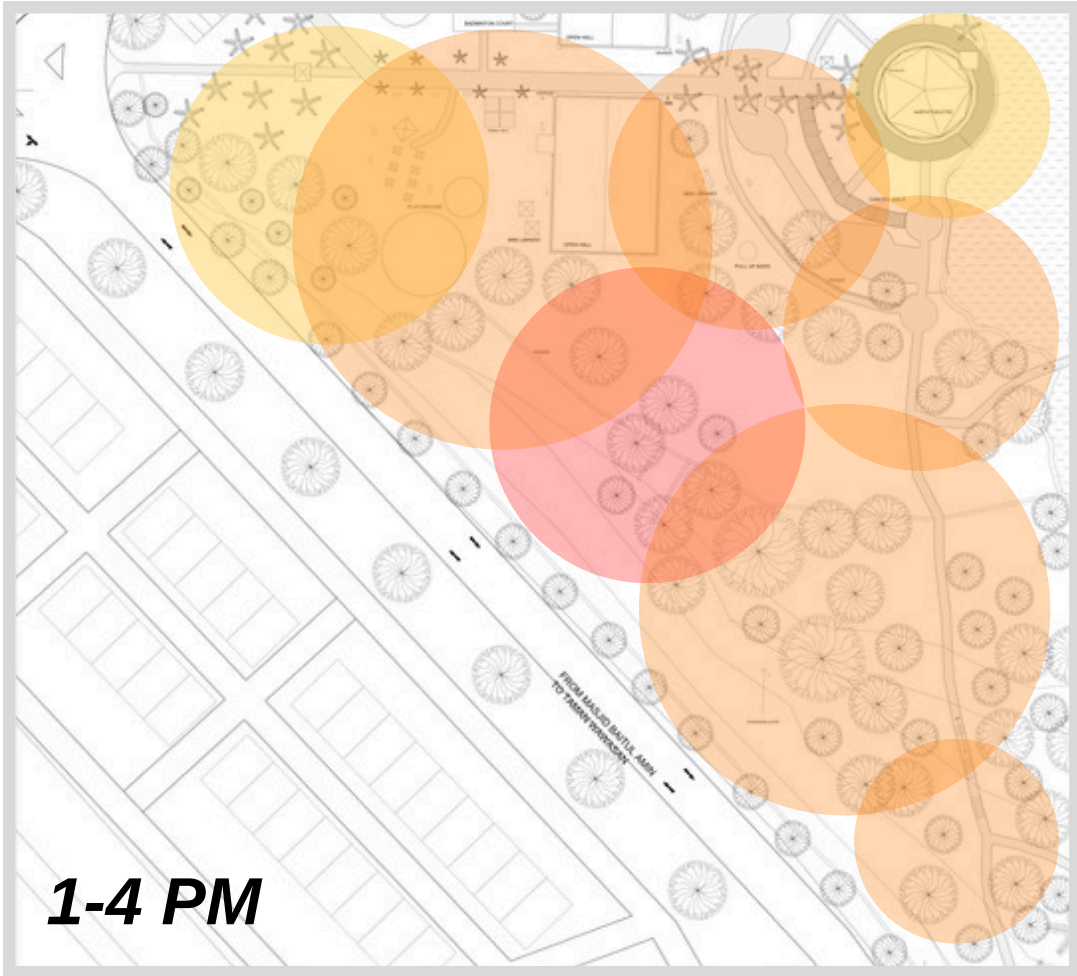
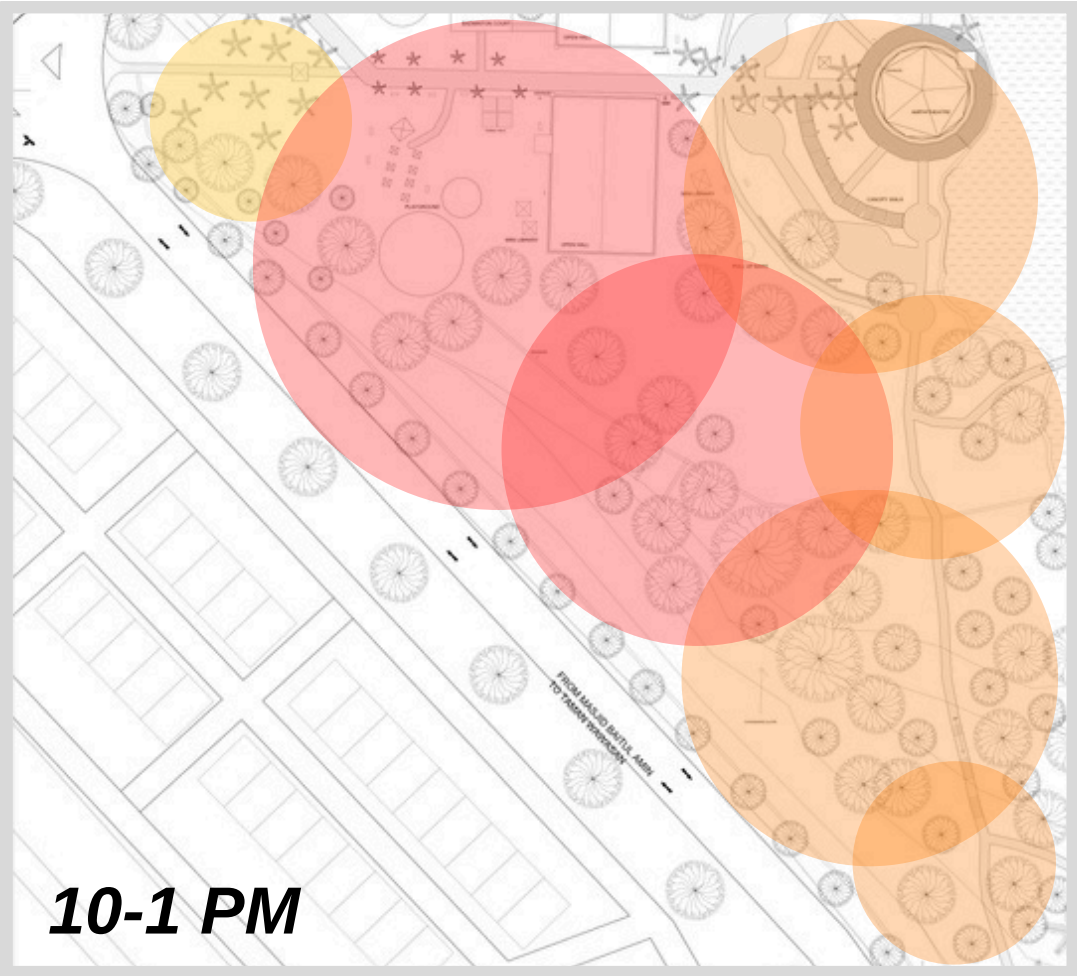
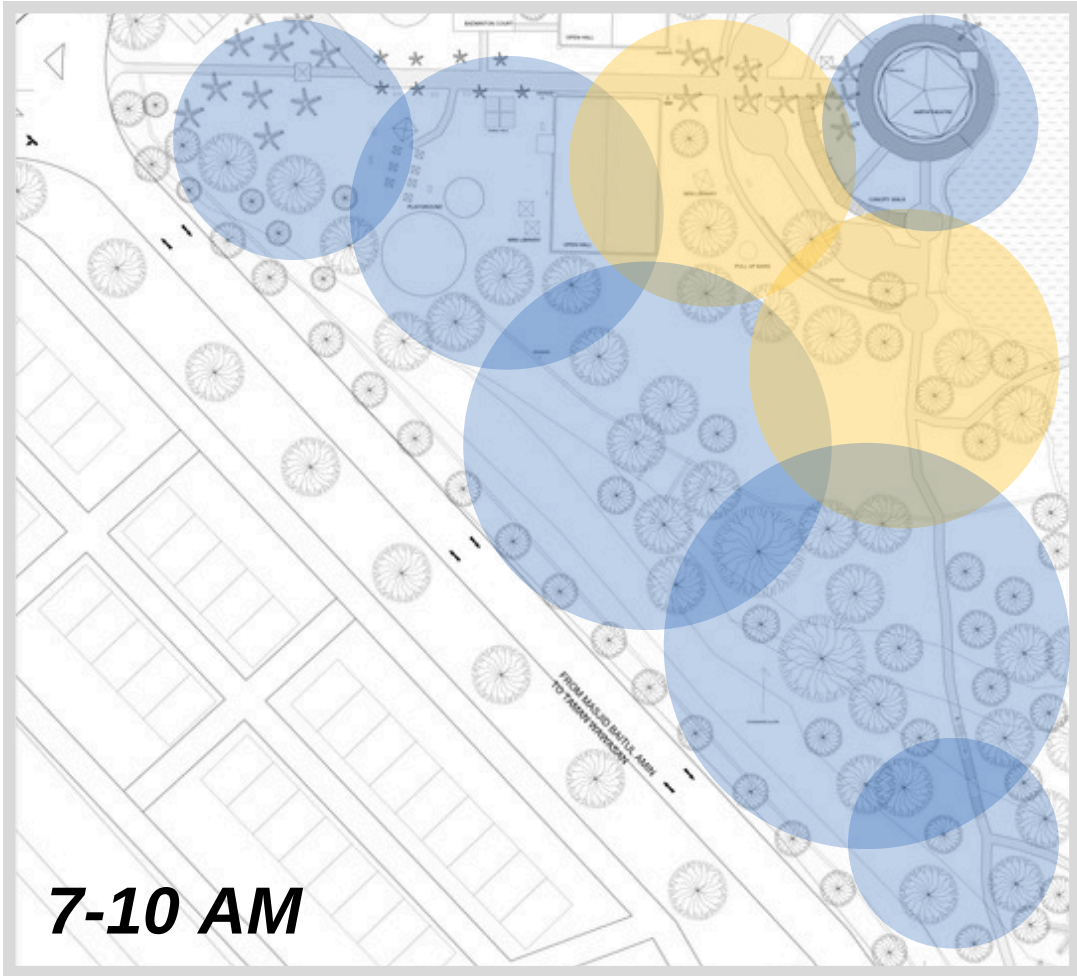
# Task 3 - Natural & Manmade Features

## Natural & Man-made features Shading Analysis : North

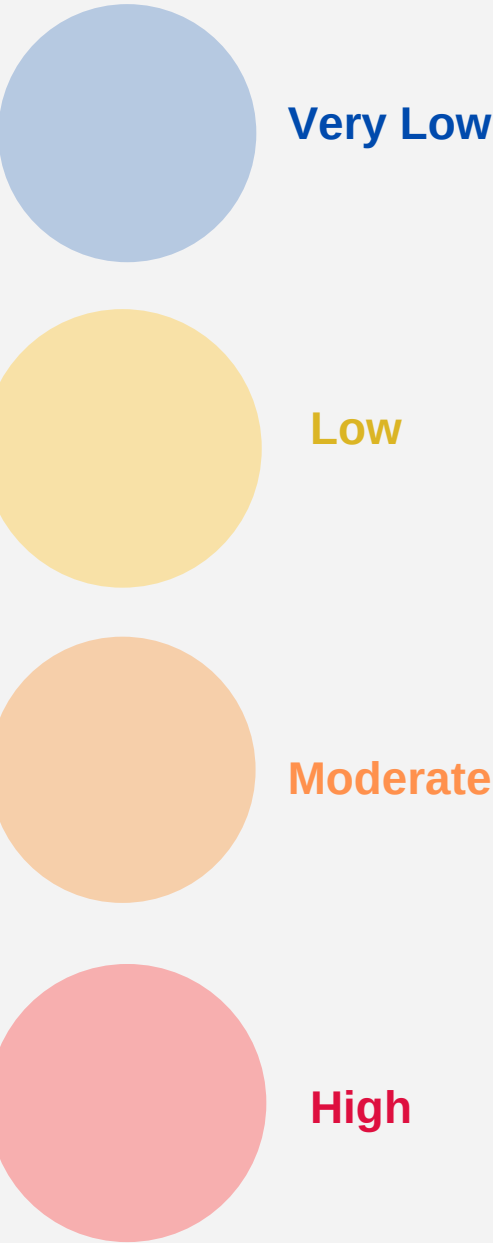


# Task 3 - Natural & Manmade Features

*Natural & Man-made features Shading Analysis : South*



Sunlight Intensity



# Task 3 - Natural & Manmade Features

## Drainage & Soil Condition Analysis



PAVEMENT TO NORTH SITE



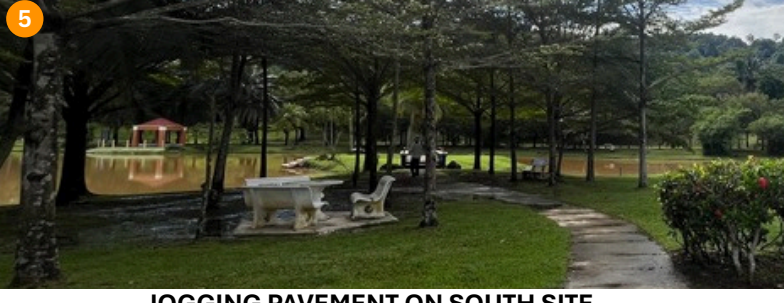
PUBLIC TOILET & MINI LIBRARY



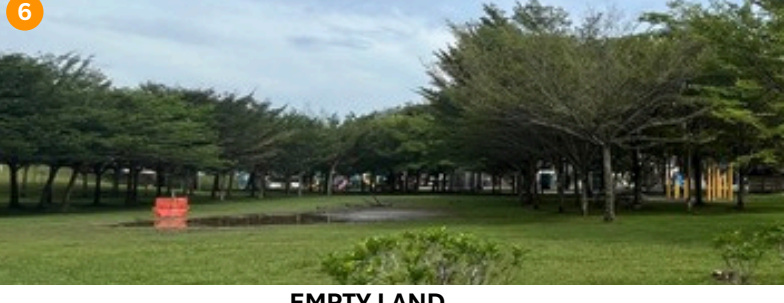
BEHIND PLAYGROUND



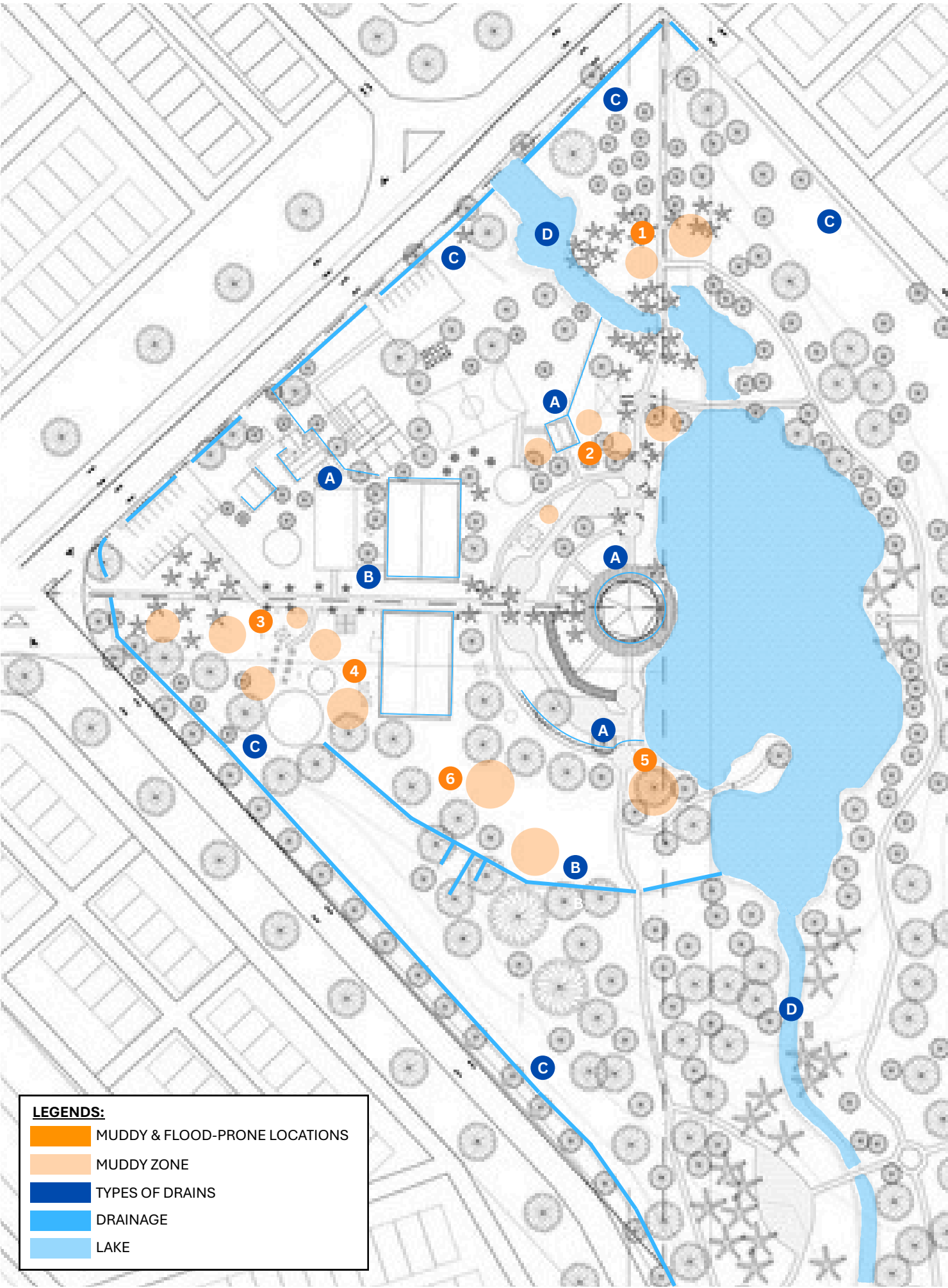
SEATINGS NEAR MINI LIBRARY



JOGGING PAVEMENT ON SOUTH SITE



EMPTY LAND



SMALL CURB DRAIN



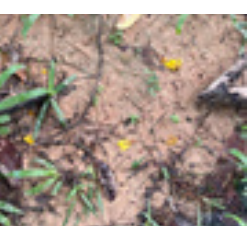
MEDIUM SHALLOW DRAIN



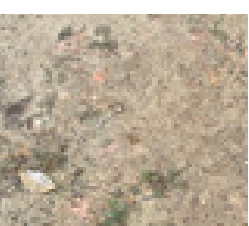
LARGE ROADSIDE DRAIN



RETENTION DRAIN



**LATERITIC SOIL**  
near courts and new plants, well-drained



**SANDY SOIL**  
likely dominates the park, offering good drainage



**MOSSY SOIL**  
wet areas, poorly drained soil with high moisture retention

# Task 3 - Natural & Manmade Features

## Visual Appeal of park through the Natural and Man-made features

The contrast of different materiality ie steel, concrete, gives character to the man made features



Trees soften the site, making the features less harsh



visual harmony between natural and man-made features



Lush greenery creates a sense of peace

strengths



Colorful Structures create vibrancy and add a sense of liveliness to the site

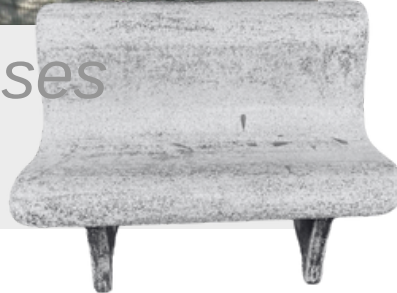


During rain, water pools around parts of grass and becomes muddy

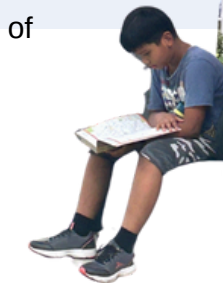


The urban farming tent is considered visually NOT appealing

weaknesses



Some manmade features have a wornout look



Structures like gazebos not only provide shelter but also frame views



The lake gives a sense of tranquility but also has murky water

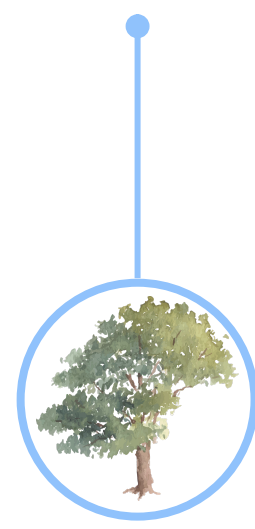
## Public perception of the features

## opportunities

Note: All suggestions for improvement of park features were suggested by users during site visit



Some slopes along the jogging path are too steep and uneven for older users



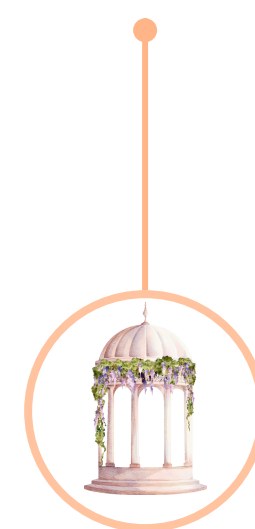
Users suggested the need for more trees to be planted in less shaded areas



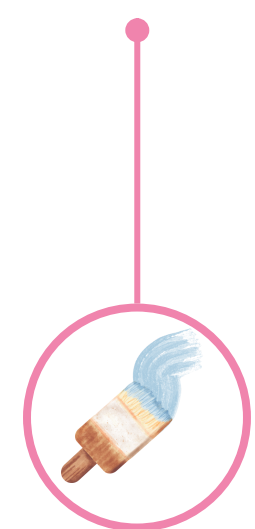
Lack of features and overall consideration for disabled park visitors



Pathways at some parts of the park are quite uneven, especially during rain



Integration of better and more shaded seating areas



Repaint and repair existing features like benches and more

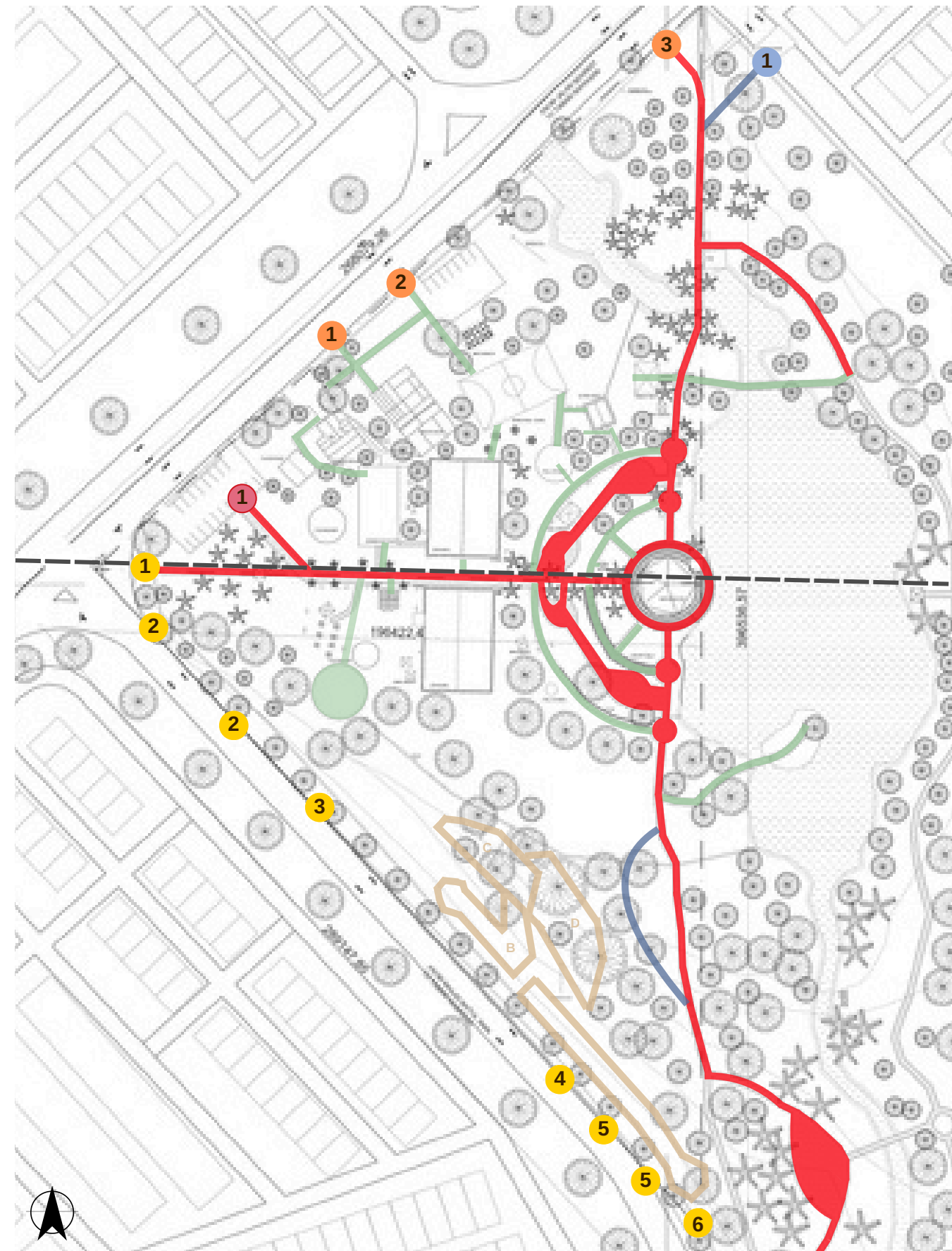
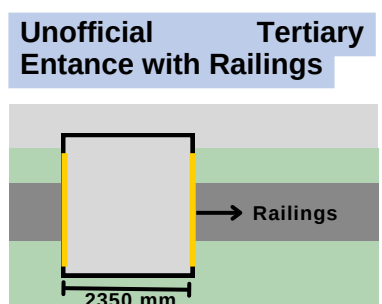
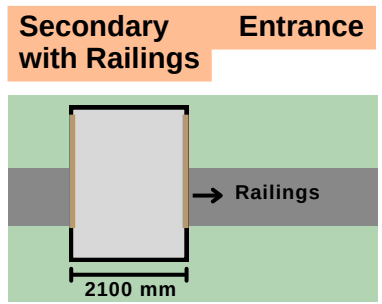
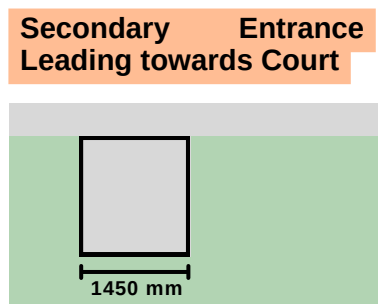
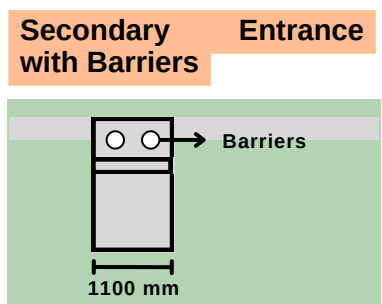
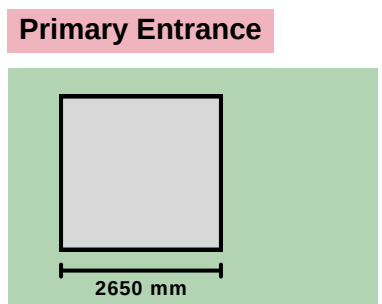
### Conclusion

Overall, most park users praised the man-made as well as the natural features of the park and are quite satisfied with the current facilities

# Task 4 - Circulation

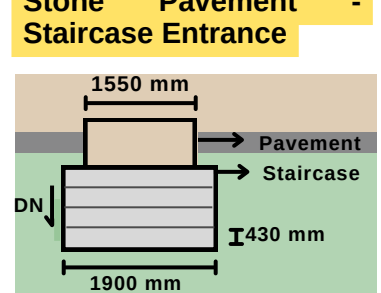
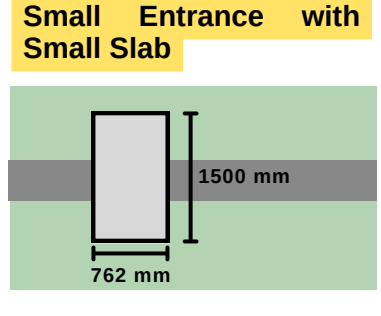
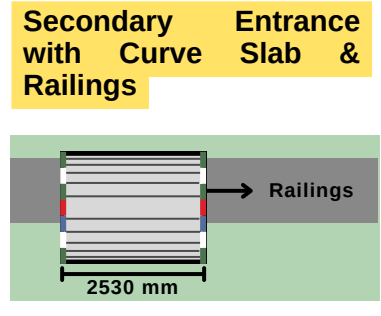
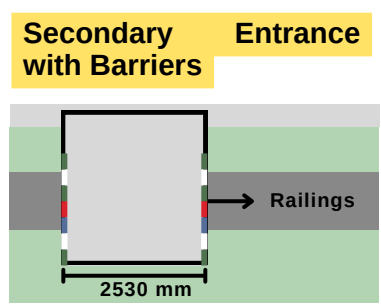
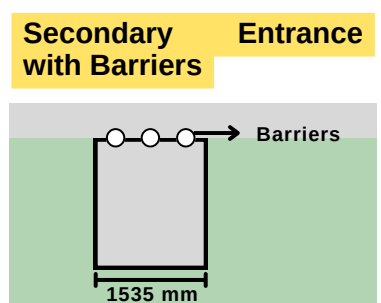
## Pedestrian Route & Entrances

NORTH



- LEGEND:**
- Main Pathways
  - Secondary Pathways
  - Unofficial Tertiary Pathways
  - Woodball Pathways
  - Primary Entrance
  - North Secondary Entrance
  - South Secondary Entrance
  - North Unofficial Tertiary Entrance

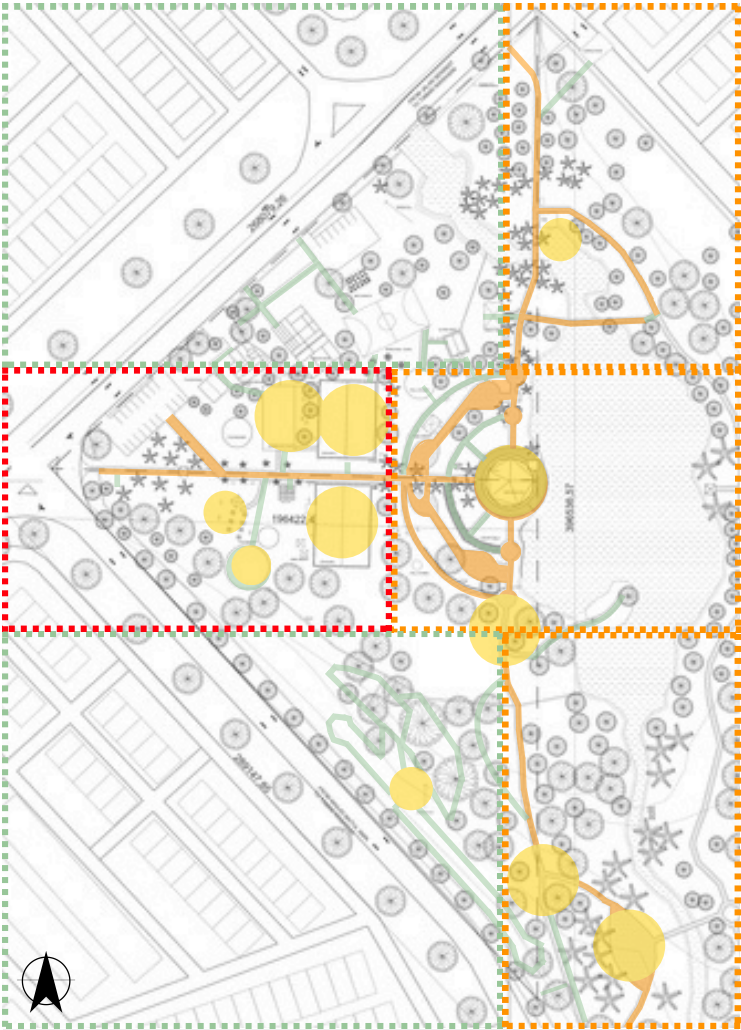
SOUTH



# Task 4 - Circulation

## Pedestrian Traffic, Nodes & Zones (Weekdays)

Morning (7AM -12PM)

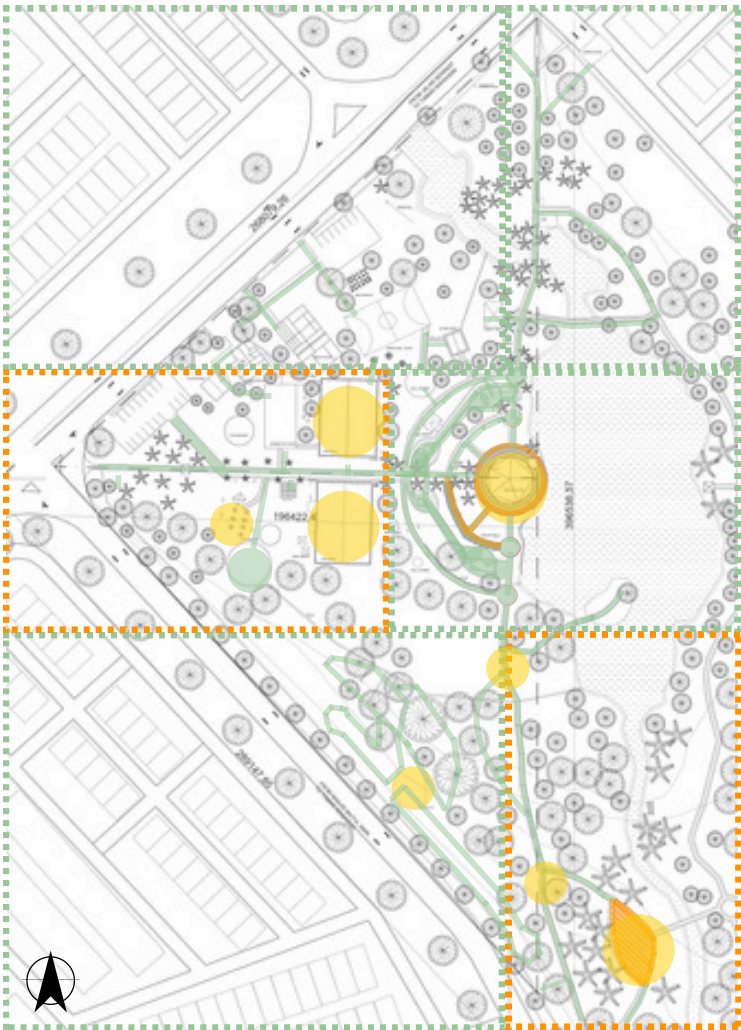


In the morning, **moderate** pedestrian traffic is spotted, where the activities are concentrated along the main jogging paths, basketball and badminton courts, and the amphitheatre, where residents gather for **aerobics** and **exercises**.

Most are **locals** who exercise there **daily**.

The **cool temperatures** and **fresh air** make the morning an ideal and popular time for outdoor activities.

Afternoon (12PM -5PM)

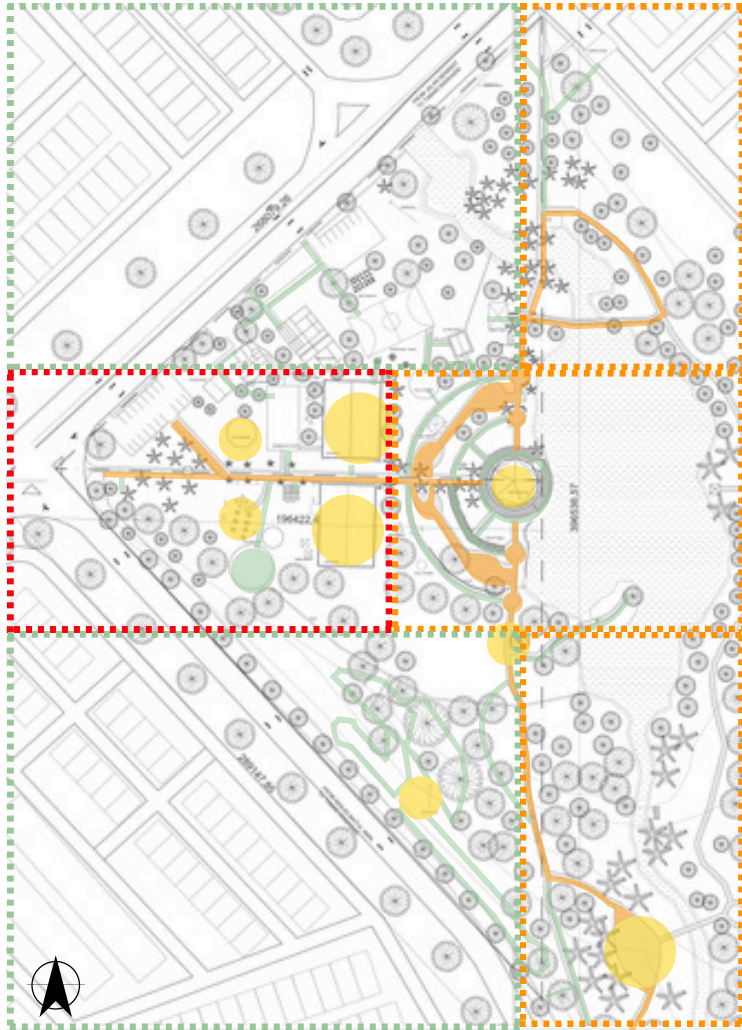


In the afternoon, pedestrian traffic **decreases**, with activities mainly concentrated in **shaded areas** as the **intense sunlight** makes open spaces uncomfortable.

Most of the people present are **students** who gather to play basketball after school.

Overall, movement is more **scattered**, with many walking quickly to **transit** between spaces.

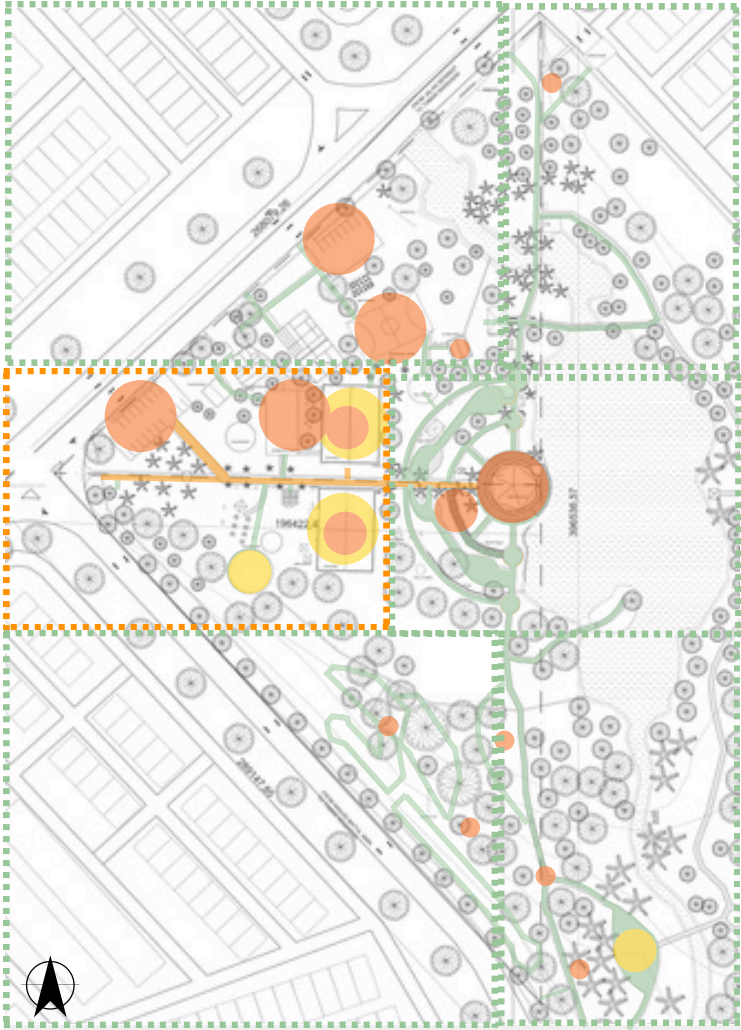
Evening (5PM -8PM)



In the evening, pedestrian traffic noticeably **increases** as the **weather** becomes more comfortable. Activities are concentrated along the main pedestrian paths and key nodes.

Many people, including **elderly** residents and **families**, come out to jog, exercise, or enjoy a relaxing walk together after dinner, creating a **lively** and **active** atmosphere.

Night (8PM -12AM)



At night, overall pedestrian traffic **decreases**, with activities mainly concentrated in **well-lit areas** such as the basketball courts, the amphitheatre, and pathways **illuminated** by street lamps.

Most of the activity revolves around **groups** playing **basketball**, while others **move quickly** between spaces, resulting in less lingering and a **quieter** park atmosphere.

### LEGEND:

- High Activity Nodes
- Medium Activity Nodes
- Low Activity Nodes

- High Pedestrian Traffic
- Medium Pedestrian Traffic
- Low Pedestrian Traffic

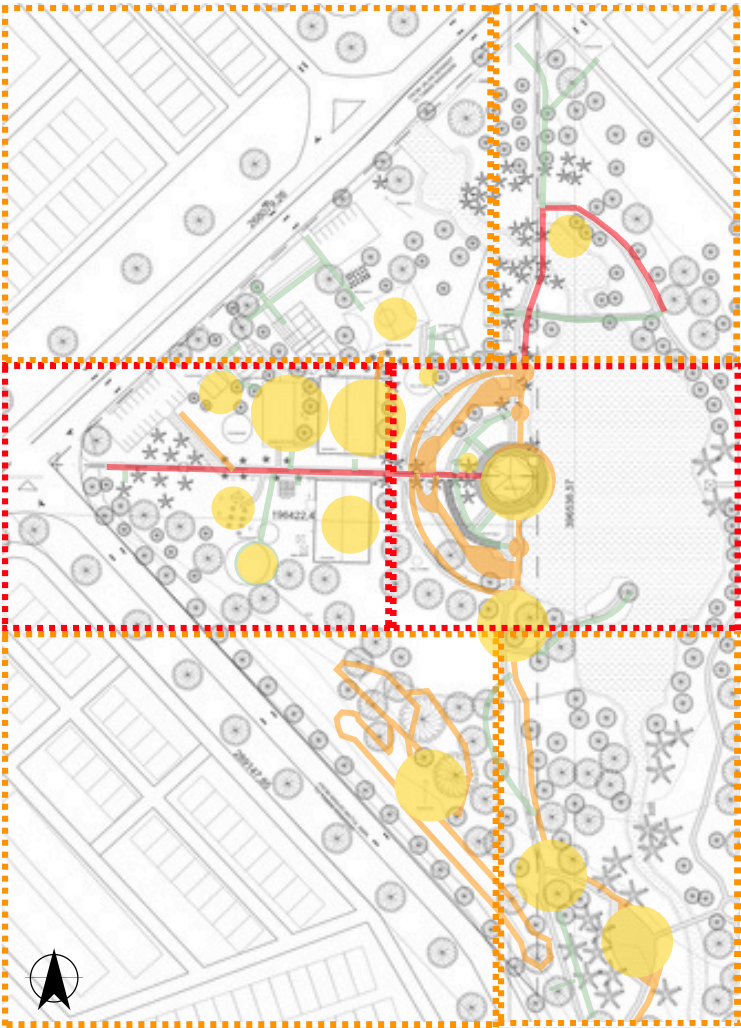
- High Activity Zones
- Medium Activity Zones
- Low Activity Zones

- Brightest Area
- Moderate
- Dimmest Area

# Task 4 - Circulation

## Pedestrian Traffic, Nodes & Zones (Weekends)

Morning (7AM -12PM)

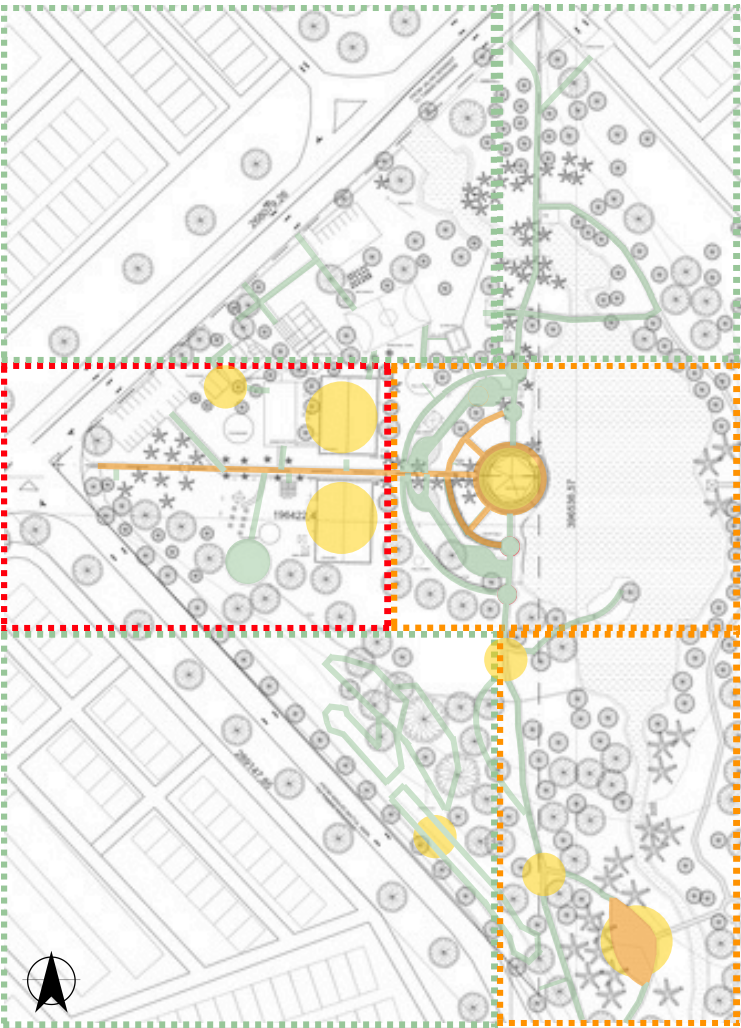


In the morning, Taman Wawasan sees high pedestrian traffic because **many residents and visitors** visit the park early to exercise, jog, walk their pets, or playing woodball, football and basketball.

The **cooler temperatures** and **fresh** morning air make it the most **comfortable** time for physical activity.

The amphitheatre and main pathways are especially busy as people move between key areas and open spaces.

Afternoon (12PM -5PM)

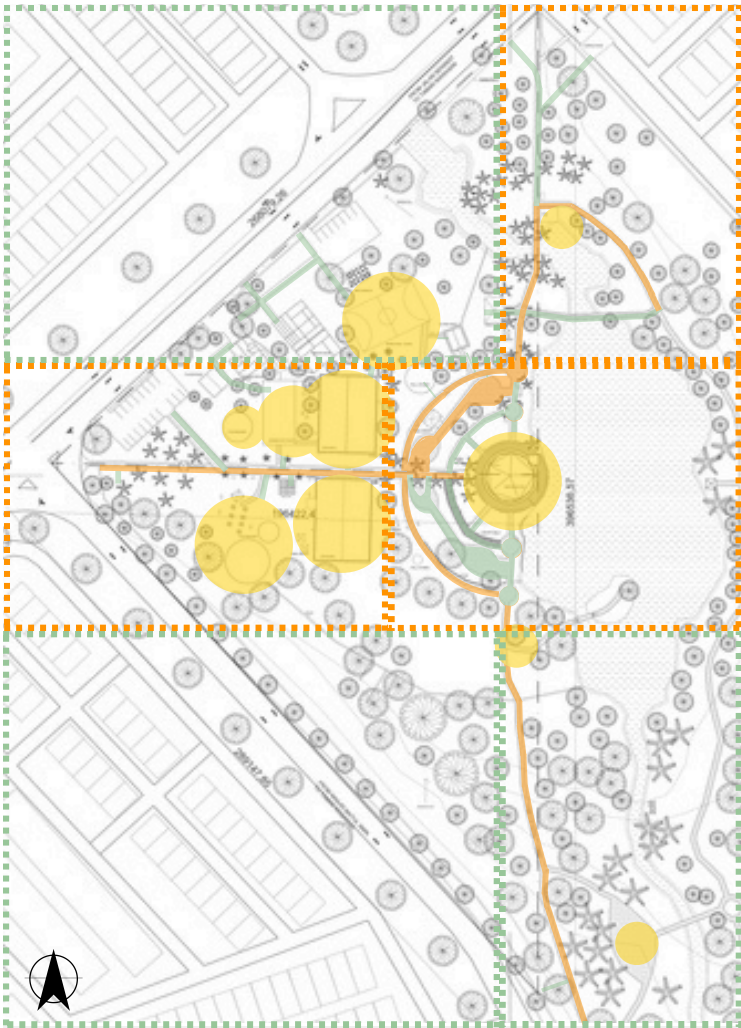


During the afternoon, pedestrian traffic significantly decreases as the **weather becomes hotter** and more uncomfortable.

Few people visit the park at this time because direct sunlight and high temperatures make outdoor activities less pleasant.

Most of the movement is scattered and light, with only occasional visitors who seek **shaded spots** such as basketball court or **pass through** the park **quickly**.

Evening (5PM -8PM)

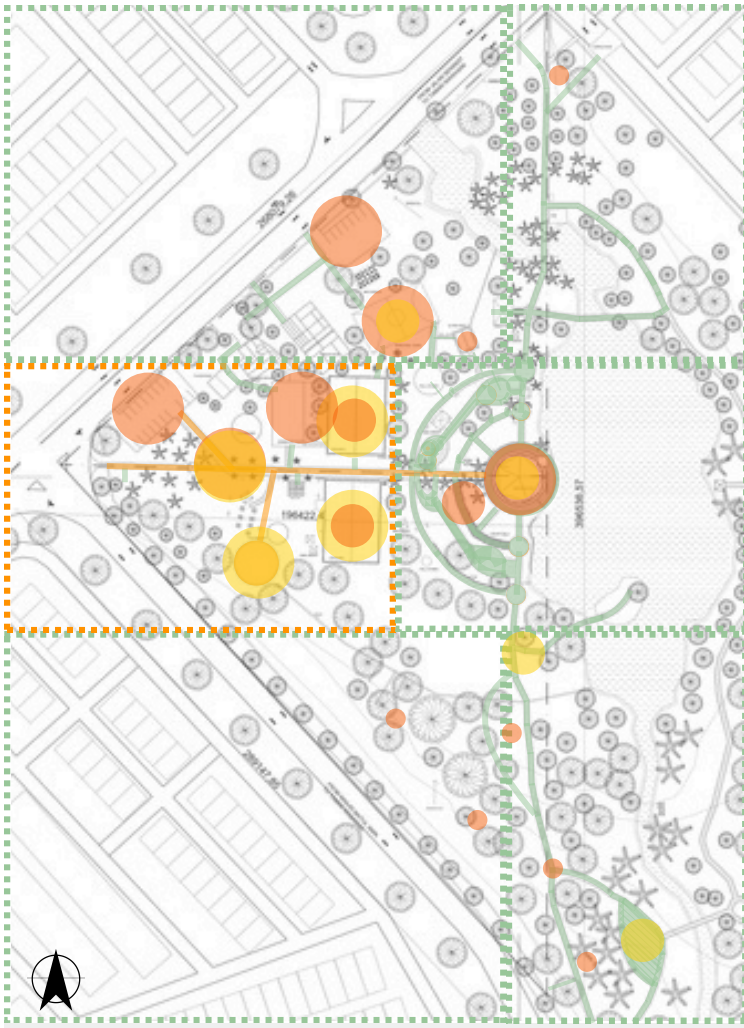


In the evening, pedestrian traffic picks up again as the **temperature cools down** after sunset.

Many families, casual walkers, and fitness enthusiasts return to the park, leading to moderate to high activity, especially around the central gathering areas and main pathways.

It's a **popular time** for socializing, jogging, and bringing children to play **after school or work hours**.

Night (8PM -12AM)



At night, overall **pedestrian traffic decreases** compared to earlier times, but some areas remain lively.

An **ice cream stall** near the main entrance **draws many visitors**, causing people to queue and gather around the front of the park.

Poorly lit areas inside see little activity, as visitors **avoid dark, isolated spots** for safety.

**Brighter, well-lit** spaces have noticeably **more people**, especially on weekends when families and couples come for a late-night treat.

### LEGEND:

- High Activity Nodes
- Medium Activity Nodes
- Low Activity Nodes

- High Pedestrian Traffic
- Medium Pedestrian Traffic
- Low Pedestrian Traffic

- High Activity Zones
- Medium Activity Zones
- Low Activity Zones

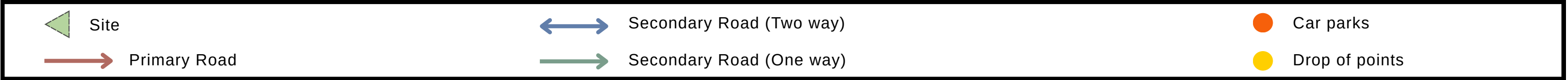
- Brightest Area
- Moderate
- Dimmest Area

# Task 4 - Circulation

## Vehicular Circulation



Car entrances & exits circulation



# Task 4 - Circulation

## Vehicular Circulation

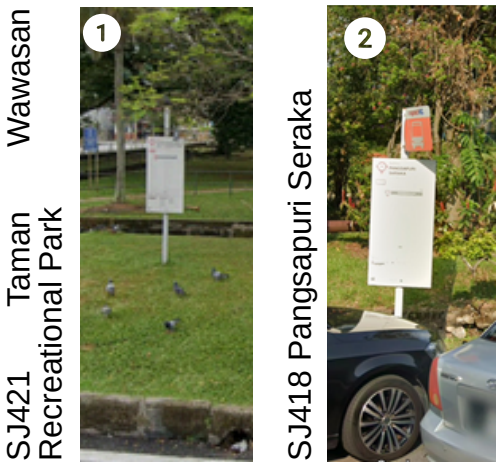
### Public Transportation Route Near Site



### LRT Pusat Bandar Puchong



Visitors can take the **Sri Petaling Line LRT to Pusat Bandar Puchong Station** and use the RapidKL T600 bus to reach Taman Wawasan Recreational Park, avoiding a 25-minute, 1+km walk.



### Rapid KL - T600 Bus

Visitors can use the RapidKL T600 bus to reach Taman Wawasan Recreational Park, with nearby stops at **SJ421 (1minute walk)** and **SJ418 (6minute walk)** to the park entrances.

### Demand-Responsive Transport (DRT)

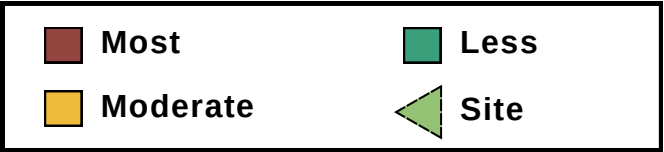
- Now Operating in**
- Bandar Kinrara 5
  - Bandar Puchong Jaya
  - Taman Wawasan
  - Bandar Puteri
- Covering 72 Stops including**
- LRT Taman Perindustrian
  - LRT Bandar Puteri
  - LRT Bandar Kinrara 5
  - LRT IOI Puchong Jaya
  - IOI Boulevard
  - IPD Serdang
  - Setia Walk
  - SMK Seksyen 4 Bandar Kinrara

People can use the **Trek Rides DRT** service to reach Taman Wawasan Recreational Park. To use this service, passengers need to **book a ride** through the Trek Rides app, and they can be **picked up from anywhere within the service area**. The ride will drop them off at or near the park, providing a convenient and flexible transportation option.

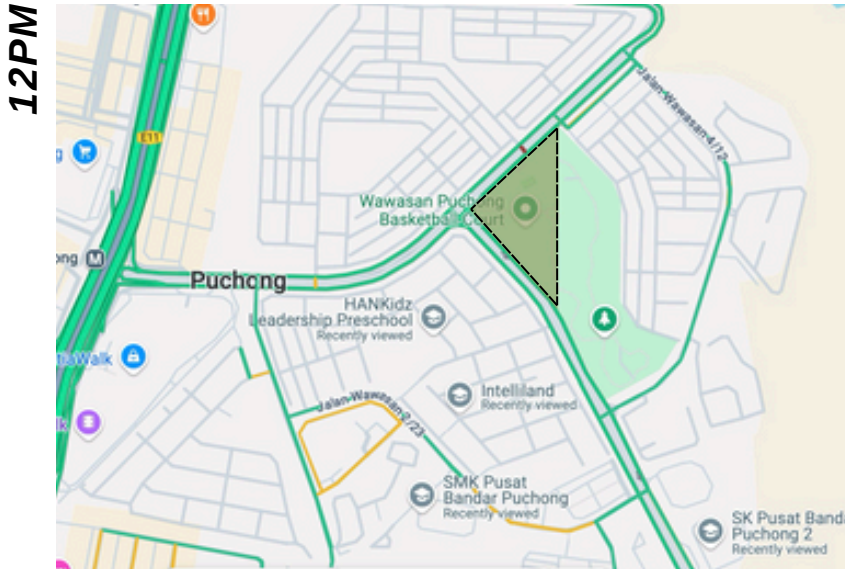
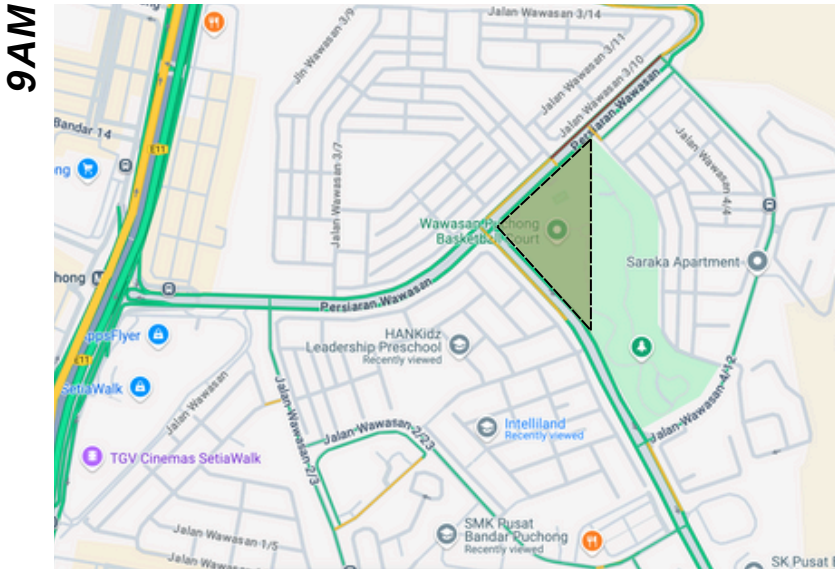
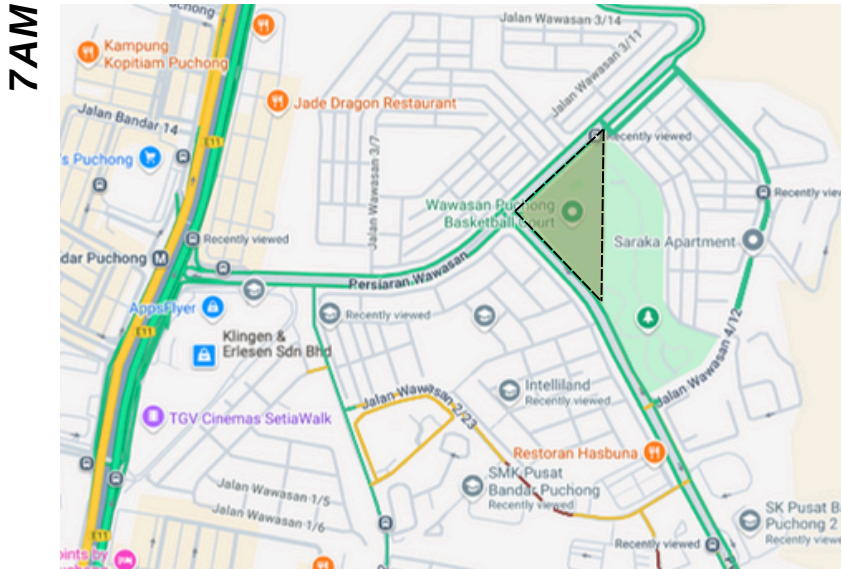
Nearby **residents** can **walk** to Taman Wawasan Recreational Park, while others can **use e-hailing services** to reach the site.

# Task 4 - Circulation

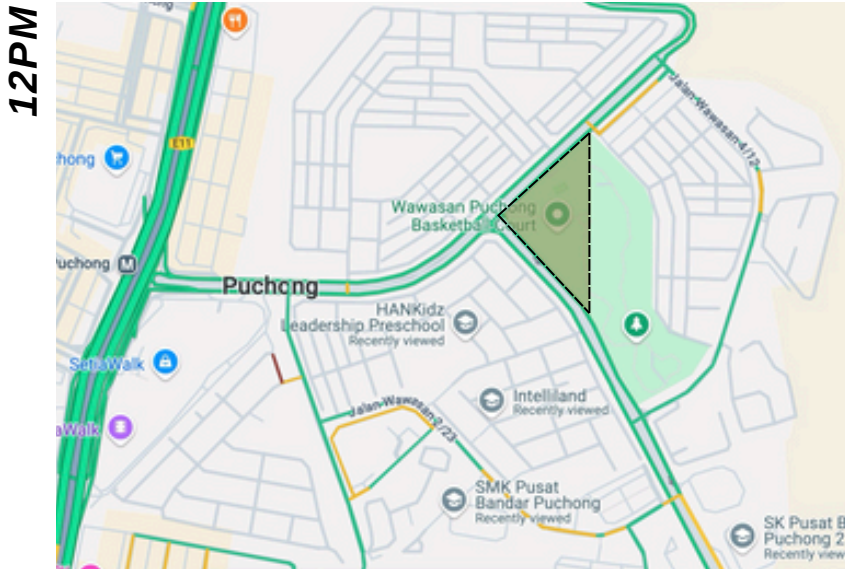
## *Vehicular Traffic Data: Morning to Midday (7:00AM-12:00PM)*



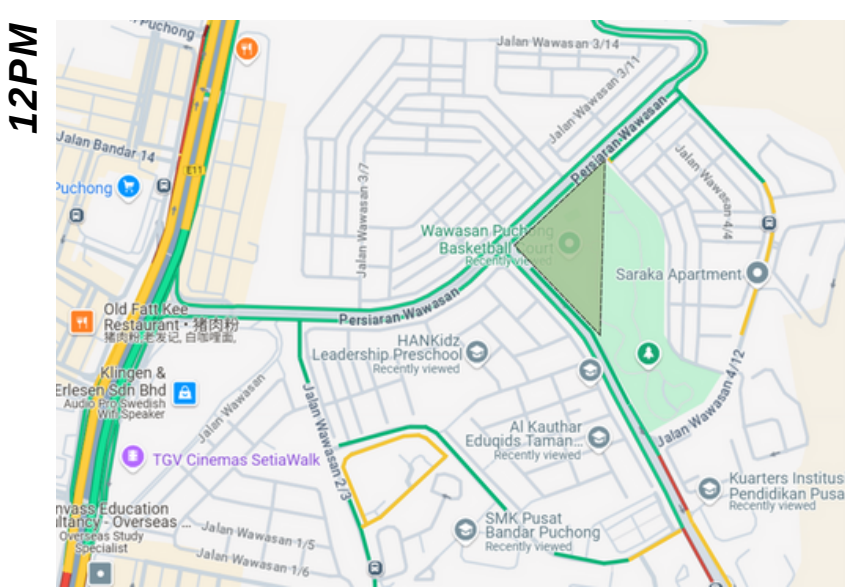
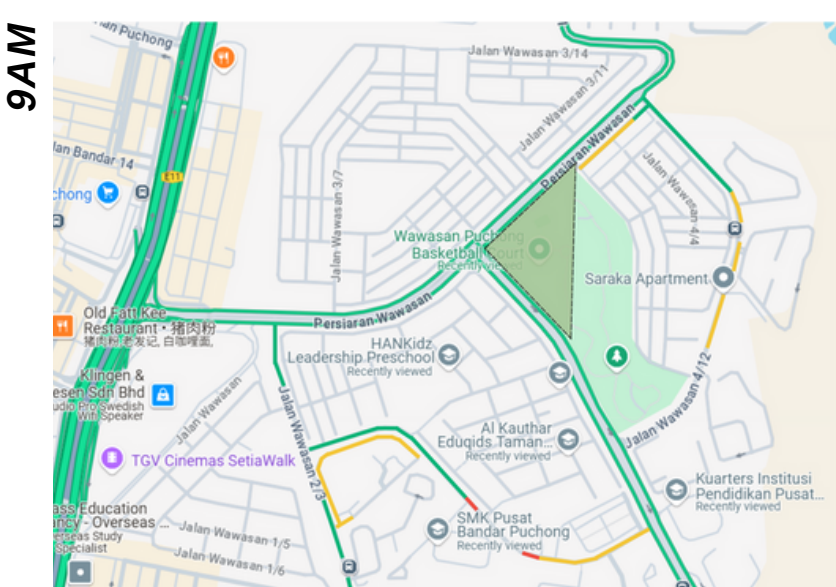
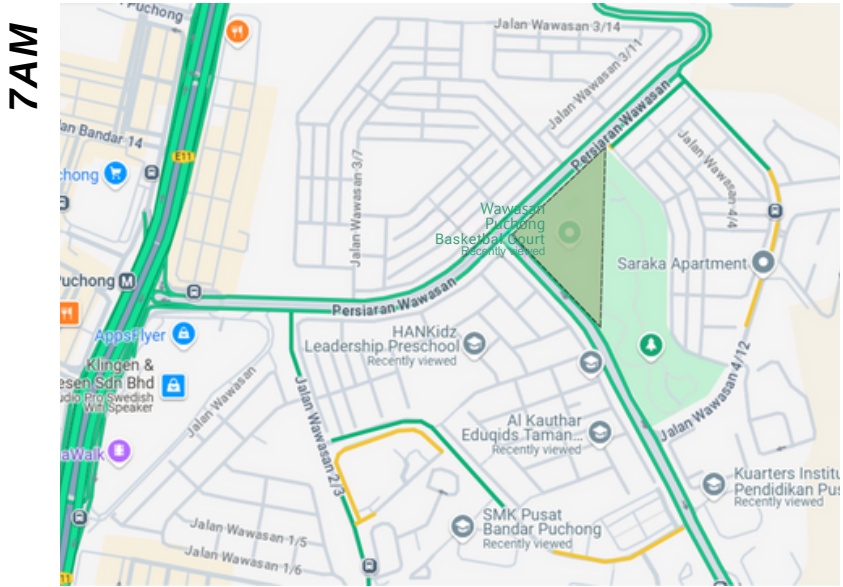
THURSDAY TRAFFIC  
(24/4/2025)



FRIDAY TRAFFIC  
(25/4/2025)

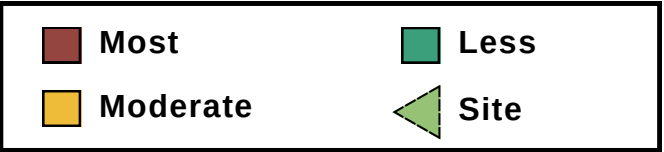


SATURDAY TRAFFIC  
(26/4/2025)



# Task 4 - Circulation

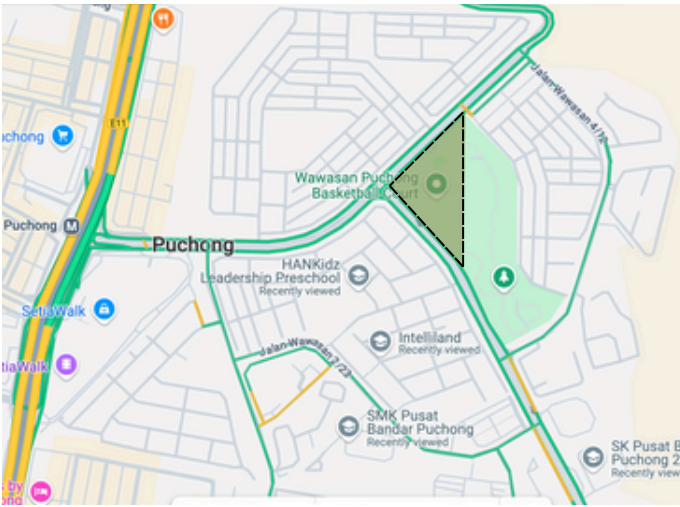
## *Vehicular Traffic Data: Afternoon to Night (2:00PM-9:00PM)*



THURSDAY TRAFFIC  
(24/4/2025)



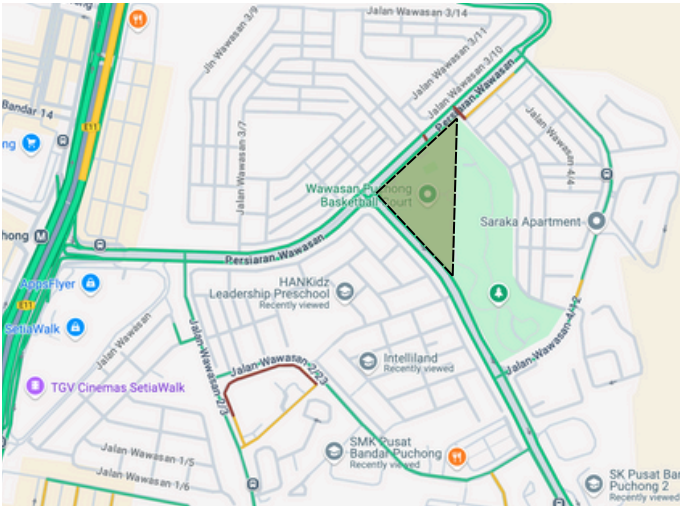
2PM



5PM

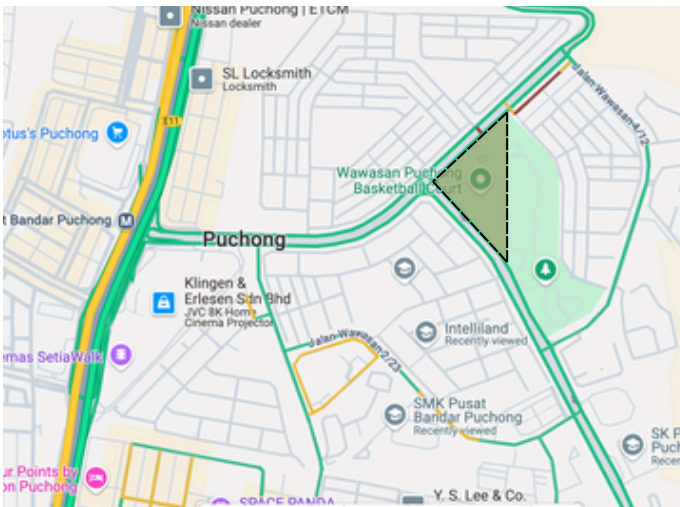


7PM

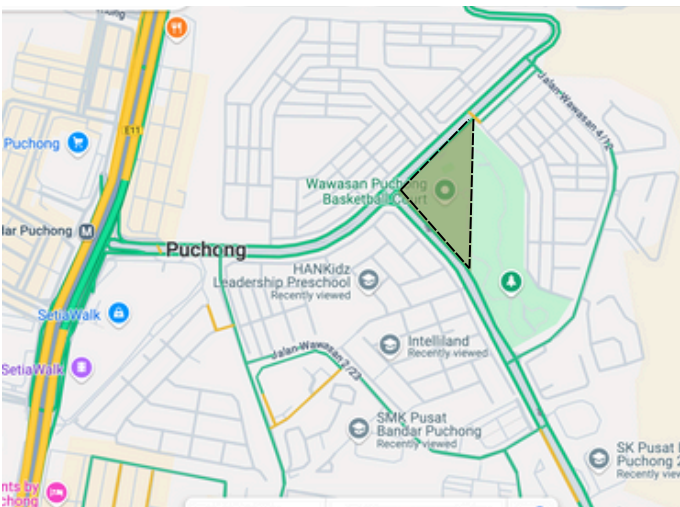


9PM

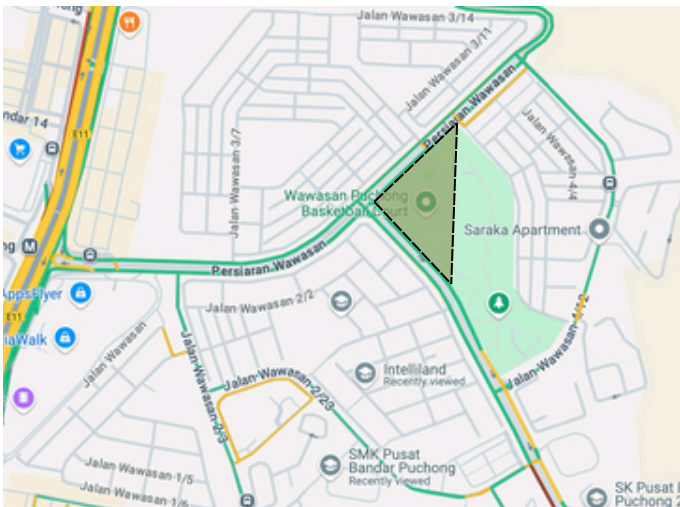
FRIDAY TRAFFIC  
(25/4/2025)



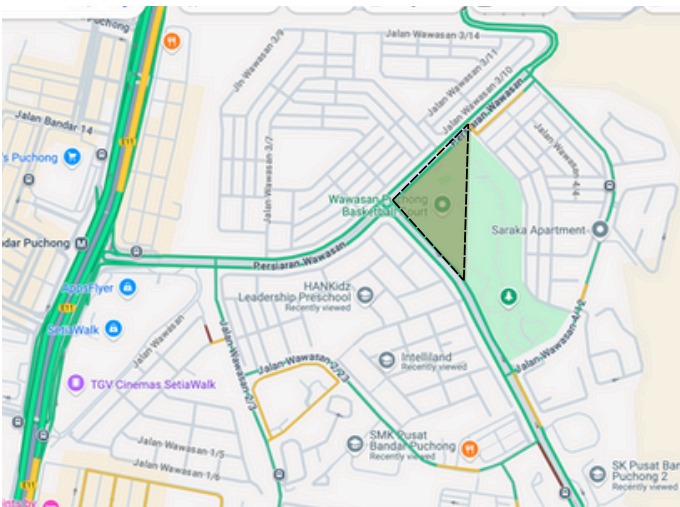
2PM



5PM



7PM



9PM

SATURDAY TRAFFIC  
(26/4/2025)



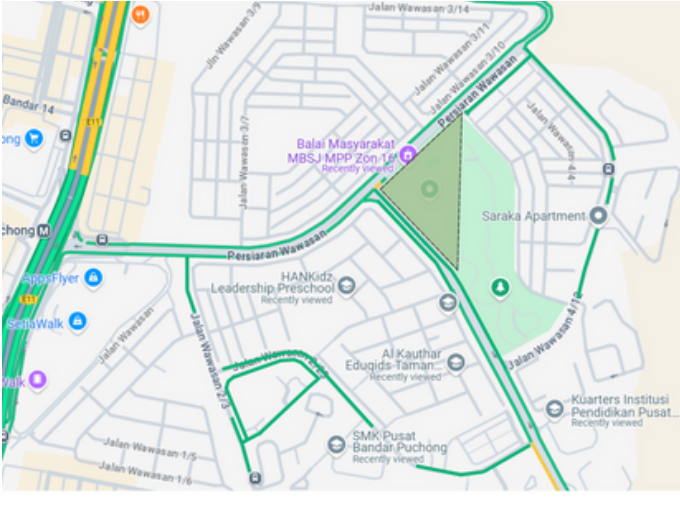
2PM



5PM



7PM



9PM

# Task 4 - Circulation

## Conclusion - Weekday Vehicular Traffic Flow



MORNING (7AM-9AM)



MIDDAY (12PM – 3PM)



EVENING (5PM – 7PM)



NIGHT (9PM)



**Moderate traffic flow** near the site as commuters and residents passed through for morning activities. At **7:00 AM**, traffic was **smooth**, but **congestion** (yellow to red status) was heavier along **Jalan Wawasan 2/23** due to nearby schools. Traffic built up around 7:00 AM and **eased** slightly **after 9:00 AM**.



Overall, traffic remained **smooth** during the **lunch hour**. Conditions along Jalan Wawasan 2/23 **improved** compared to the morning peak, although a small section still experienced slow-moving traffic due to activity near nearby restaurants.



Traffic at Jalan Wawasan 2/23 remained **light**, with no major congestion during school dismissal. It gradually tapered to **light or moderate levels**, with some street parking occupied by visitors exercising at the park. Most visitors were nearby residents, and volumes were **lower** than the morning peak.



As the day comes to an end, traffic remains **light with minimal movement** on the roads. A small number of visitors, mainly residents from nearby areas, were seen entering and exiting the car park, causing only slight congestion.

Traffic around the site was moderate during the morning peak due to nearby schools but generally smooth for the rest of the day, with only minor slowdowns near restaurants during midday and slight congestion caused by local residents in the evening and night.

# Task 4 - Circulation

## Conclusion - Weekend Vehicular Traffic Flow



MORNING (7AM-9AM)



MIDDAY (12PM – 3PM)



EVENING (5PM – 7PM)



NIGHT (9PM)



Generally **smooth, with light and steady traffic flow** as nearby residents visit the park for leisure activities, and there are fewer commuters compared to weekdays. **Minor congestion** mainly occurs near schools and bus stops.



Traffic along the main road, **Persiaran Wawasan**, becomes **significantly heavier** between 1:00 PM and 3:00 PM, mainly due to lunchtime crowds and work dismissals. **Congestion** is also common along **Jalan Wawasan 2/23**, caused by nearby commercial hubs.



Traffic **tapers to light or moderate levels**, with some street parking taken by visitors heading to the park for exercise. **Weekend evenings** see **more visitors**, mainly nearby residents, than weekdays, though still **less intense** than the morning rush hour.



Traffic remains **mostly free-flowing** as the day winds down. There is typically less movement on the road during these hours, with **fewer visitors** entering and exiting the car park, causing only **slight congestion**.

In summary, weekend traffic is generally manageable, with light to moderate congestion during midday and evening, primarily driven by time-off from work and mealtimes, while traffic remains smooth during the morning and late at night.

# Task 4 - Circulation

## Vehicles Parking

**Morning:**  
**No parking space** available as park users park their cars and go for exercise especially on weekends.

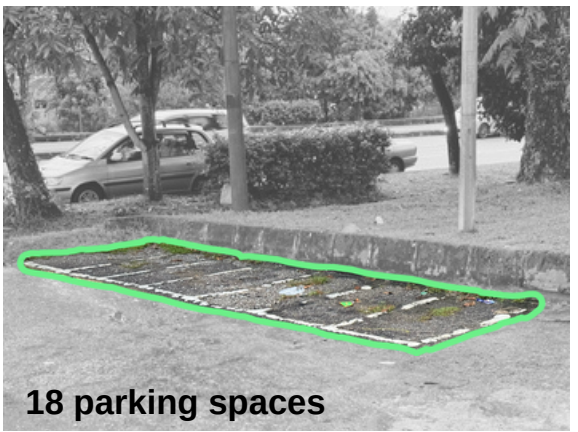
**Afternoon:**  
**More parking space** as most of the residents prefer exercising in cooler hours, while others are at work or school.

**Evening:**  
Often **fully occupied** due to the rise in park users after work hours, particularly on weekends.

Car



Motorcycle



Taman Wawasan Carpark (Formal)



Persiaran Indera

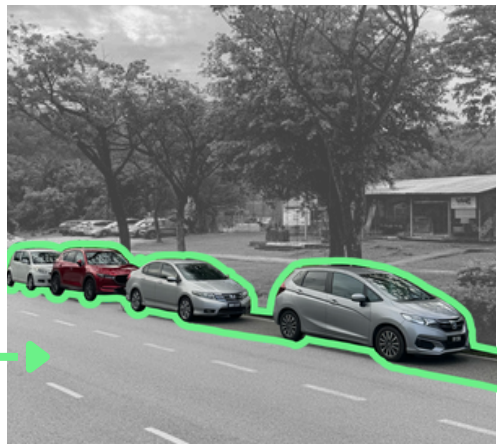
During **weekday school dismissal hours** (12–2pm and 5:30–6:30pm), the roadside is typically **crowded** with cars as parents wait to pick up their children from nearby primary and kindergarten schools.

Balai Masyarakat MBSJ MPP Zon 16 Carpark



**Conclusion**

- During **weekdays**, **limited** parking spaces available, as most park users, despite the large number, are **elderly residents** from nearby who arrive on foot in the **morning and evening**.
- On **weekends**, car parks and roadsides are **crowded** in the **morning and evening** due to high park user turnout.



Persiaran Wawasan

The roadside is often **lined with parked cars** in the **morning and evening** when the park's car park reaches full capacity.



Unpaved parking area



Parking Area (Behind)

**No parking space available** for whole day due to park users and nearby apartment.



Jalan Wawasan 4/12


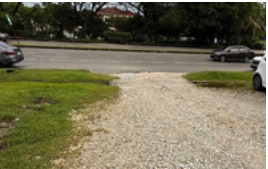

**Both sides** of the road are **fully lined with parked cars all day** due to residents living near the apartment beside.

# Task 4 - Circulation

## Accessibility Audit



### NORTH

1




- Entrance pathway from parking space is uneven and not safe

2




- Pathway leading to seating spaces have sharp cutoff
- Not ideal for wheel chair users

3





- No pathways to seating
- Seating does not have armrests
- Most seating not in good condition

4

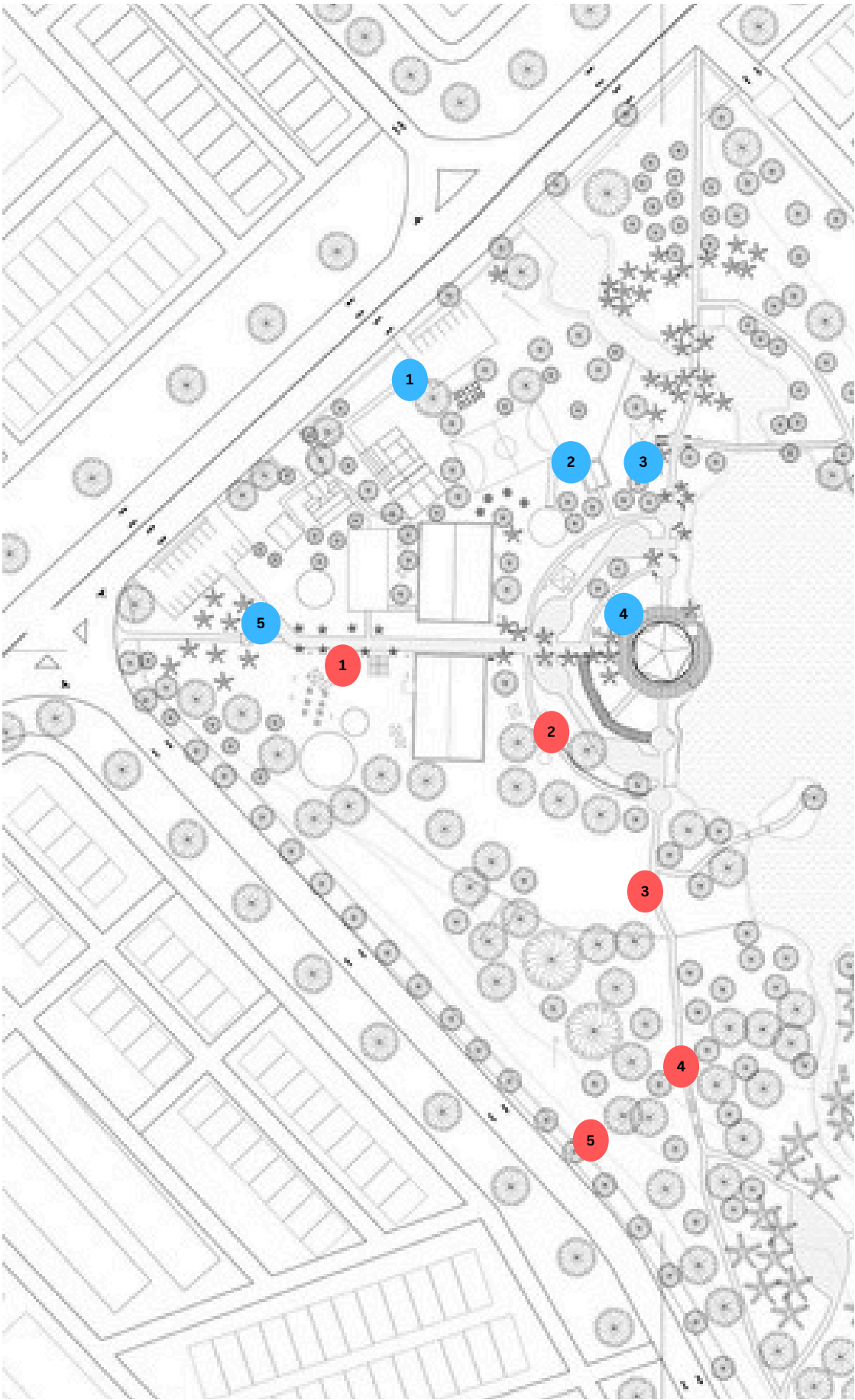


- Drainage around the amphitheater does not have grills
- Prone to tripping

5



- Main entrance pathway is not elevated
- Rain causes the pathway to have puddles which is a safety hazard



### SOUTH

1



- No tactile paving in any of the primary circulation
- Not accessible for visually impaired persons

2



- Sign boards only in Bahasa
- Not accessible for foreign visitors

3



- No pathways to seating
- Seating does not have armrests
- Most seating not in good condition

4



- Uneven steps
- Not safe for users
- Not accessible for wheelchair users

5



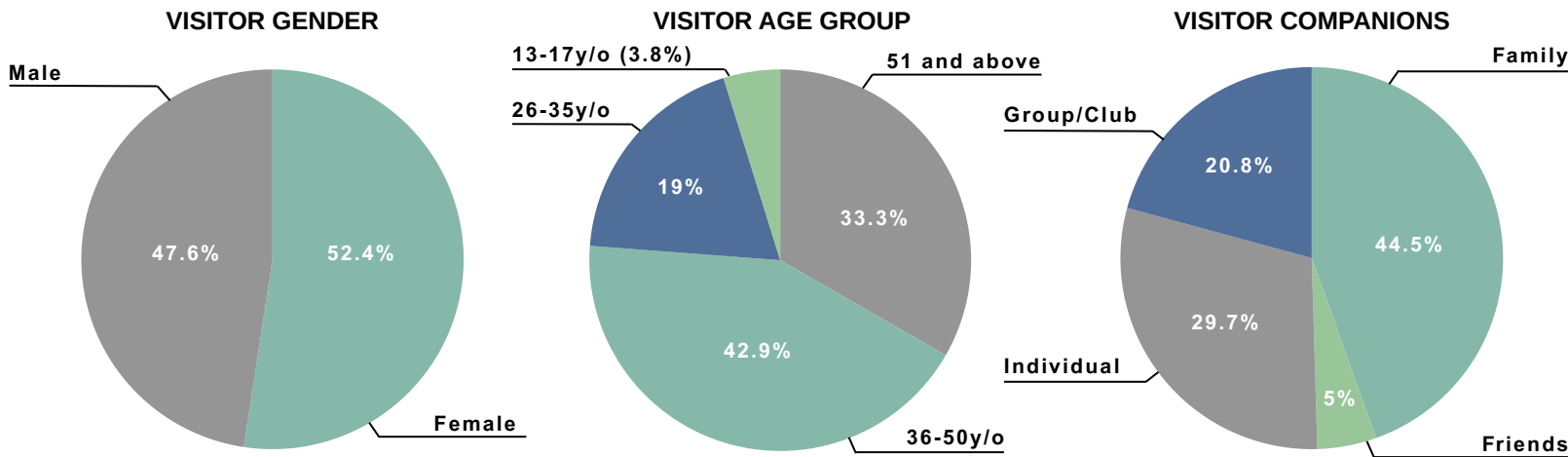
- Entrance pathway is only stairs
- Not accessible for wheelchair users

# Task 4 - Circulation

## User Interviews

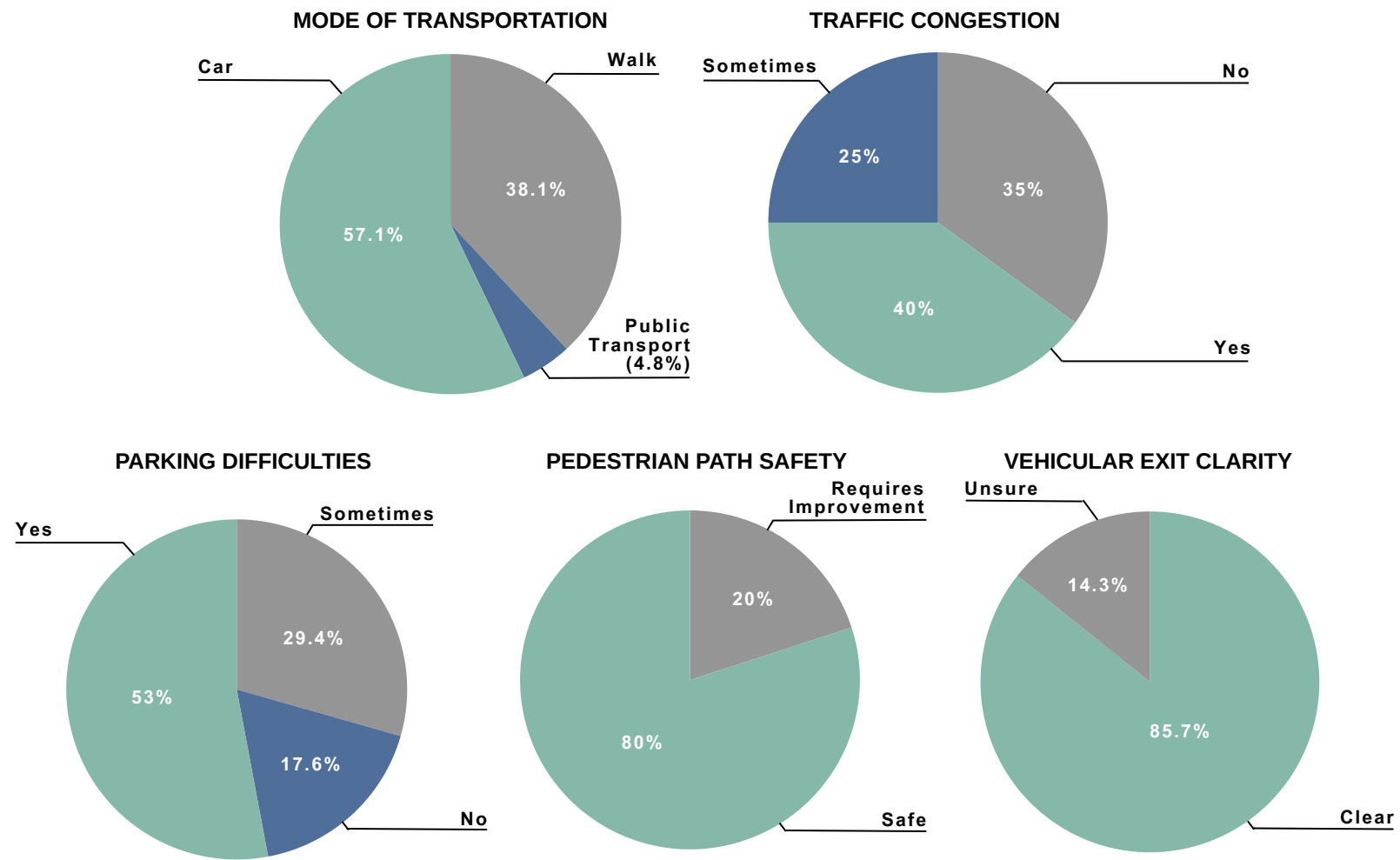
### VISITOR DEMOGRAPHICS

The majority of park visitors are **middle-aged adults (36–50 years old)** and **older adults (51 years and above)**. Visits are most commonly undertaken with **family members**, followed by visits conducted **individually**, participation in **exercise groups**, and, lastly, **visits with friends**.



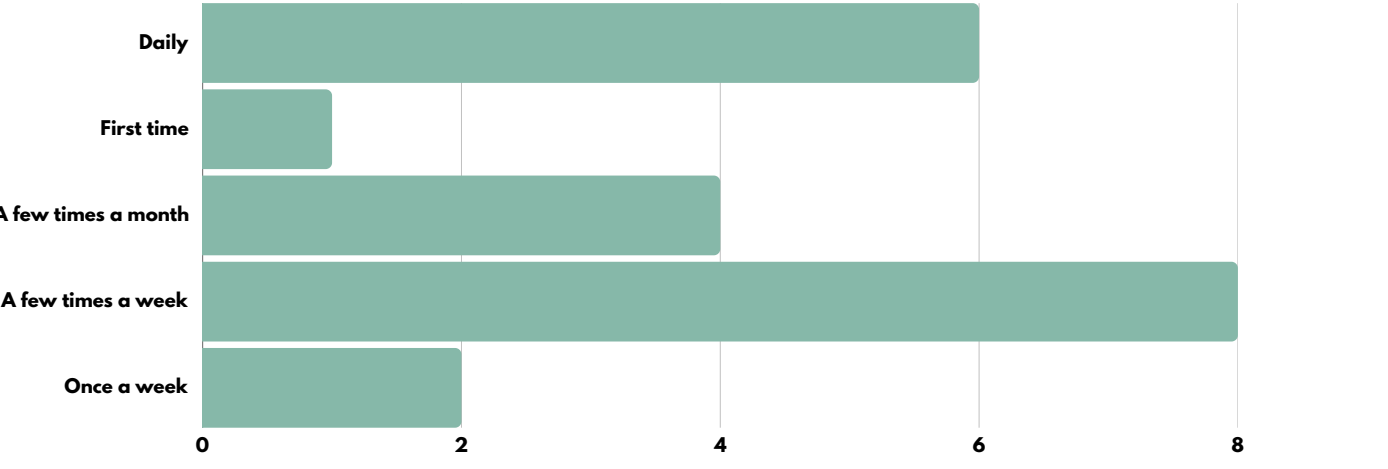
### TRANSPORTATION AND ACCESSIBILITY

Most park visitors arrive by **car**, while some local residents **walk**. Despite various access options, traffic congestion and limited parking are common between **8:00 AM and 12:00 PM**. However, pedestrian pathways are **safe and accessible**, and **vehicular exits are clearly marked**.



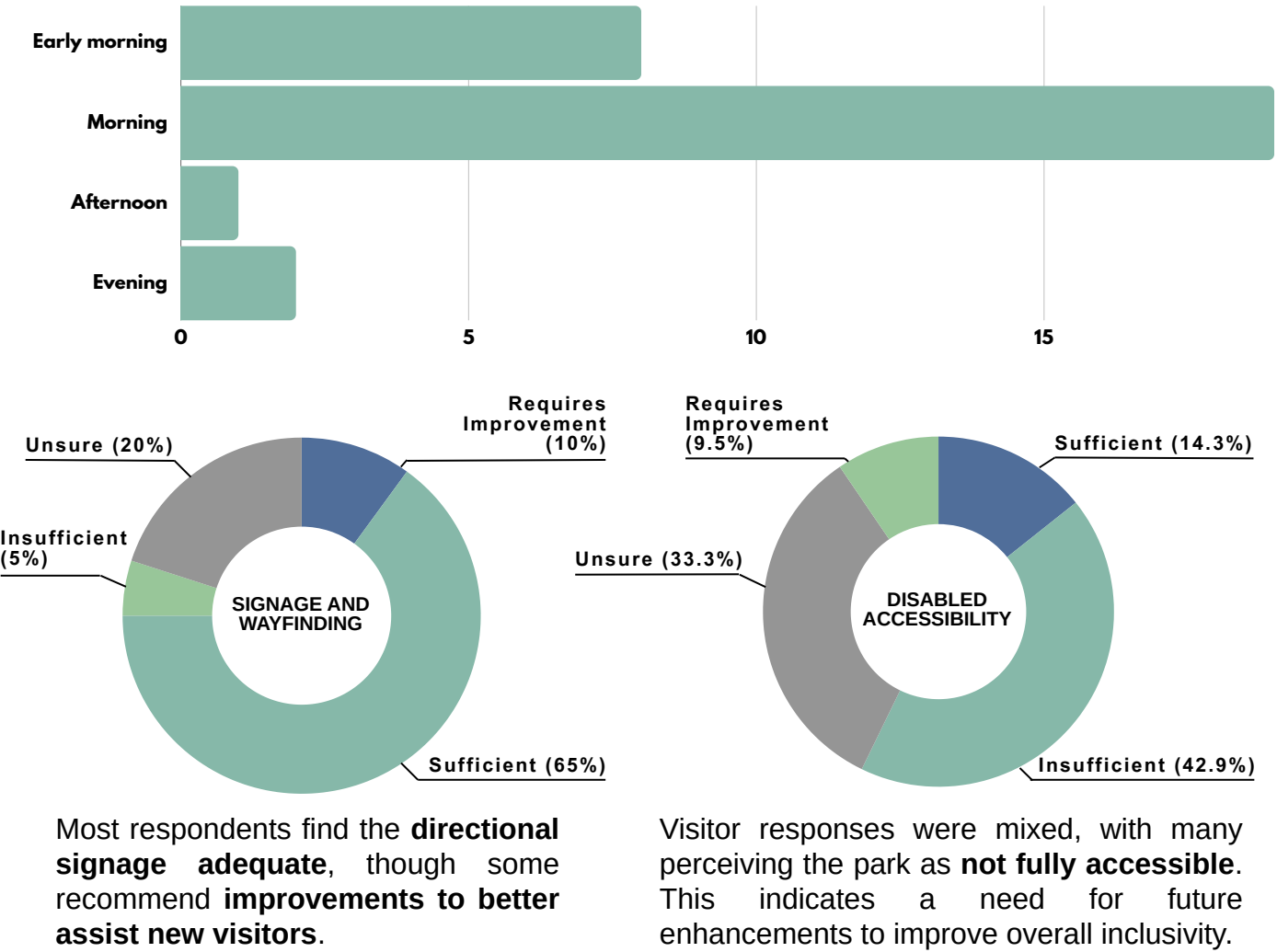
### VISITING HABITS

The frequency of park visits varies among users, with the majority visiting either **daily** or **several times per week**. A smaller proportion visits **once weekly**, **a few times per month**, or are **first-time visitors**.



### VISITING PATTERNS

Most visitors prefer to visit the park during the **morning hours**, particularly between **8:00 AM and 12:00 PM**. This period corresponds with increased traffic congestion, whereas visitor numbers are comparatively lower during the early morning, afternoon, and evening hours.



# Task 4 - Circulation

## S W O T

STRENGTHS

OPPORTUNITIES



**SHADED WALKWAYS FROM SURROUNDING TREES**  
Provides comfort and natural cooling, encourages walking.



**CLEAR JOGGING AND WALKING PATH**  
Indicates good basic circulation structure for pedestrians.



**REST NODES ALONG CIRCULATION ROUTES**  
Benches, gazebos, and shelters placed strategically for resting during movement.



**MULTIPLE ACCESS POINTS**  
More than one entry point increases accessibility and disperses traffic.



**LOOPED CIRCULATION LAYOUT**  
Users can explore without retracing their steps



**UPGRADE BRIDGE WITH RAMPS**  
Installing ramps would make the bridge universally accessible and more inclusive for all park users



**LACK OF WHEELCHAIR RAMPS**  
Limits accessibility for users with mobility issues.



**ZONING OR LANE SEPARATION:**  
Designating specific lanes for walkers, joggers, and cyclists can reduce user conflict and improve safety



**WAYFINDING UPGRADES**  
Adding maps, signboards, and distance markers

WEAKNESSES

THREATS



**UNEVEN PEDESTRIAN PATHS**  
Can be a tripping hazard, uncomfortable for walking.



**WATERLOGGING ON ROADS WHEN IT RAINS**  
Reduces usability and safety during wet weather.



**SHARED USE CONFLICT**  
No segregation between walkers, joggers, and cyclists can lead to safety risks, especially during peak hours.



**BACK ENTRANCE REQUIRES WALKING THROUGH A BALL FIELD**  
Unclear, indirect, and possibly unsafe path.



**LIMITED SIGNAGE**  
Visitors may find it difficult to navigate the park.



**NO LIGHTING ALONG WALKWAYS AT NIGHT**  
Poor visibility and safety at night.



**EXCLUSION OF DISABLED USERS**  
due to lack of ramps and accessible paths



**UNCLEAR PATHS THROUGH ACTIVE ZONES**  
Walkways crossing ball fields are unsafe and confusing, especially during games or group activities



**OVERGROWN VEGETATION**  
Lack of maintenance leads to blocked paths and reduced visibility, especially in less-used areas



**UNFENCED LAKE EDGES**  
Open access to lakeside areas without proper barriers increases the risk of accidental falls.



**WEATHER-RELATED DAMAGE**  
Rain and natural wear can lead to cracks, puddles, and erosion, making circulation paths unsafe without regular maintenance



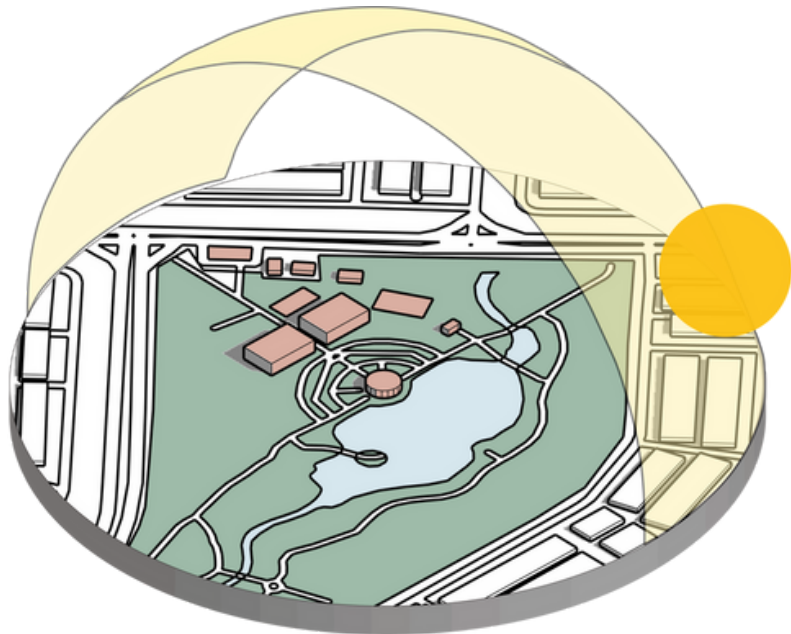
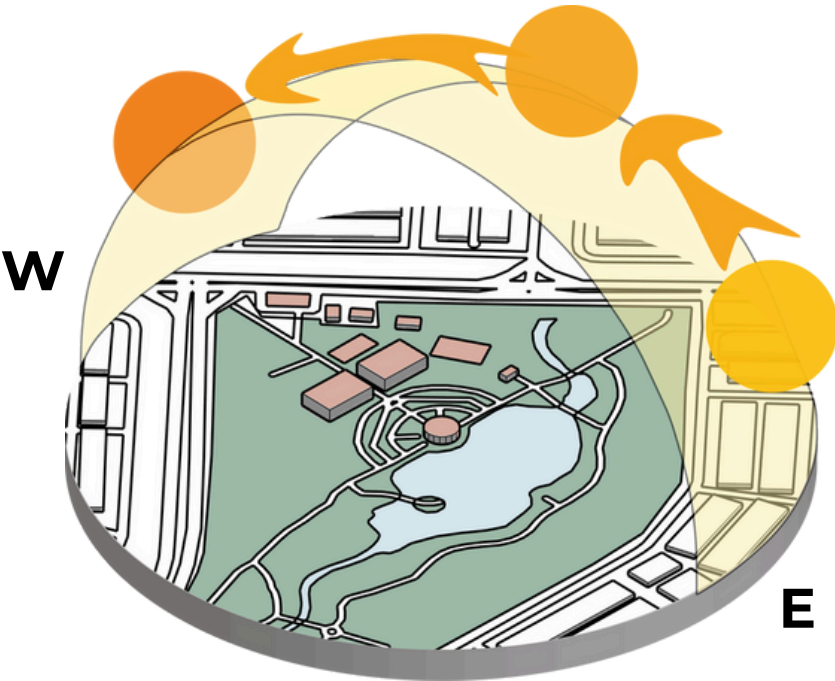
**LOW BRIDGE RAILINGS**  
Short guardrails on the bridge pose falling hazards, especially during rainy or crowded times.



**INACCESSIBLE BRIDGE DESIGN**  
The stairs-only bridge excludes disabled users and may discourage families with strollers or elderly visitors.

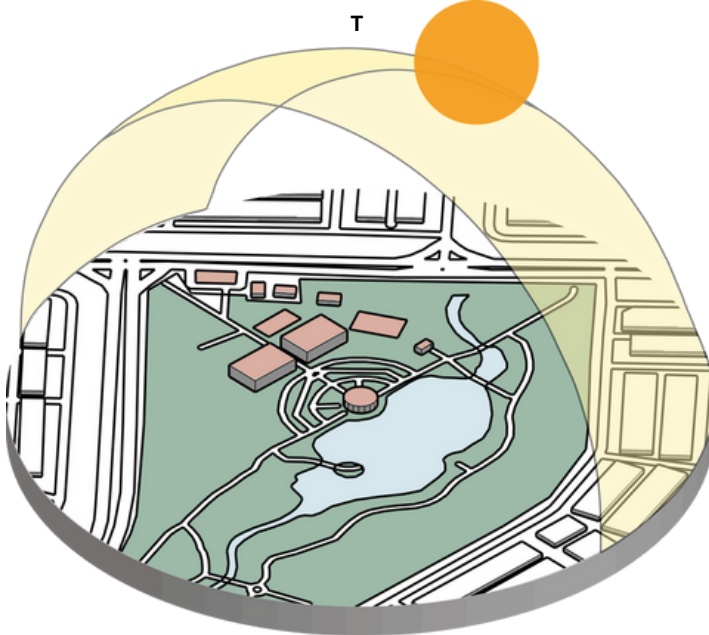
# Task 5 - Site Atmosphere

## Atmospheric Conditions



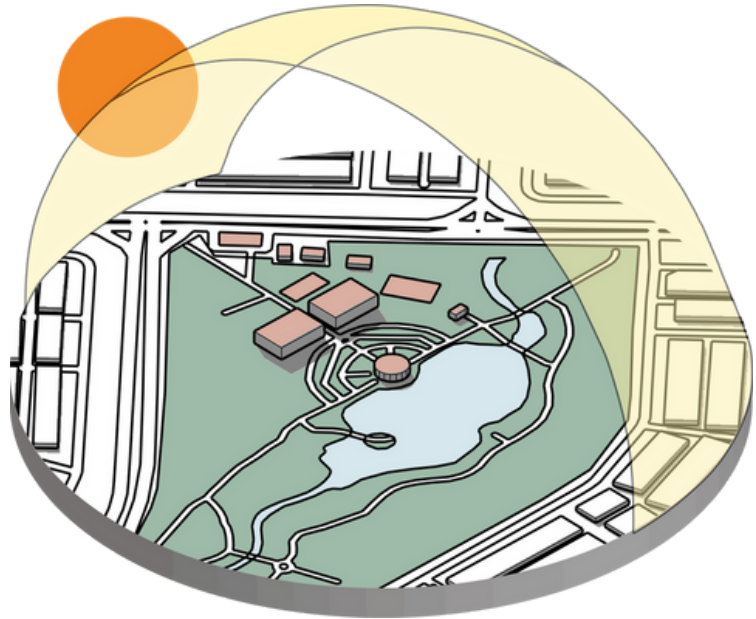
**SUNRISE**

In the early morning, soft golden light filters through the trees, creating **long shadows and a cool, refreshing atmosphere that feels hopeful and calm**, inviting early joggers, walkers, and families to enjoy peaceful moments and quiet reflection.



**NOON**

At noon, the park is **bathed in bright, intense sunlight, making open spaces lively yet hot**, while the shaded paths beneath the trees offer a cool, soothing escape from the midday heat.



**SUNSET**

In the late afternoon, the park is **bathed in soft, warm light, with cooler air and long shadows** creating a serene, intimate setting where families and friends gather to enjoy a peaceful end to the day.

# Task 5 - Site Atmosphere

## Atmospheric Conditions

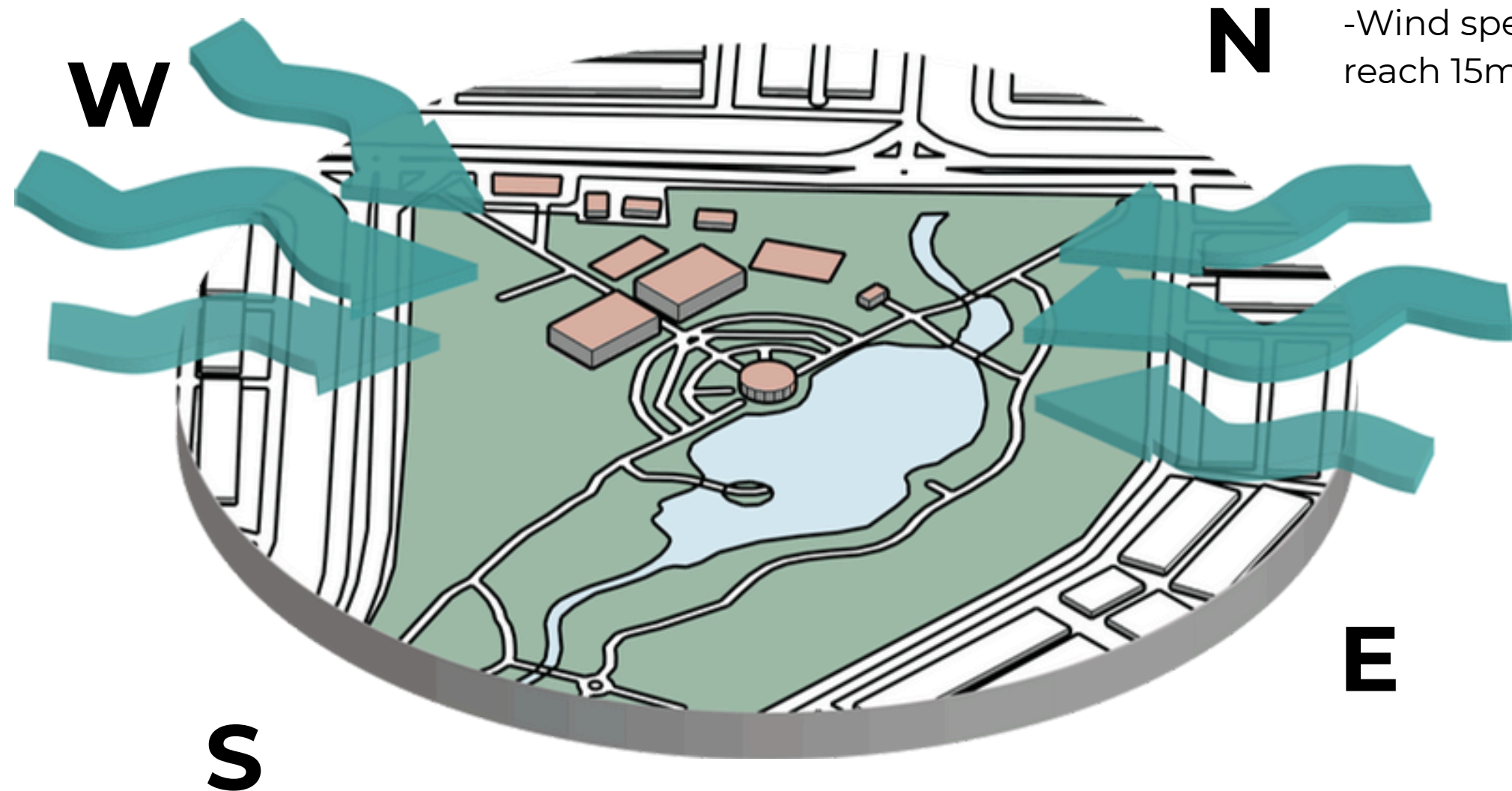
### Southwest Monsoon

- (April - September).
- Wind speeds are usually below 7m/s.

The Southwest Monsoon winds at Taman Wawasan Recreational Park **offer a cool and refreshing break from the heat** as it occasionally blows over the park, its softer breeze creates a peaceful and relaxing environment, with tree leaves rustling as the wind passes through.

### Northeast Monsoon

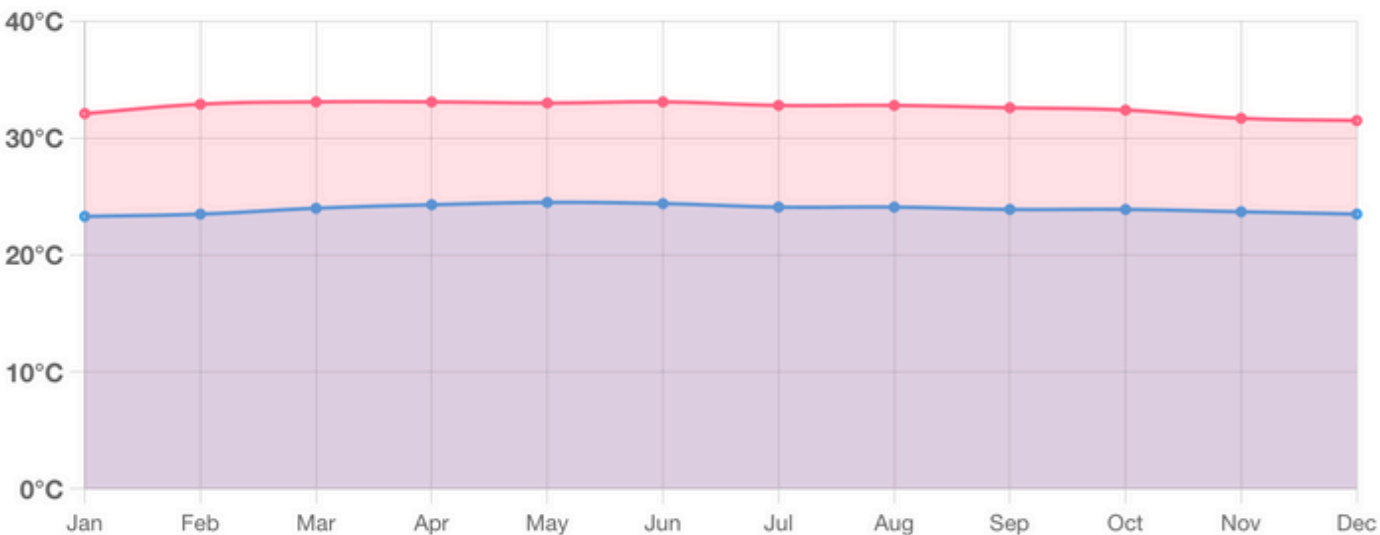
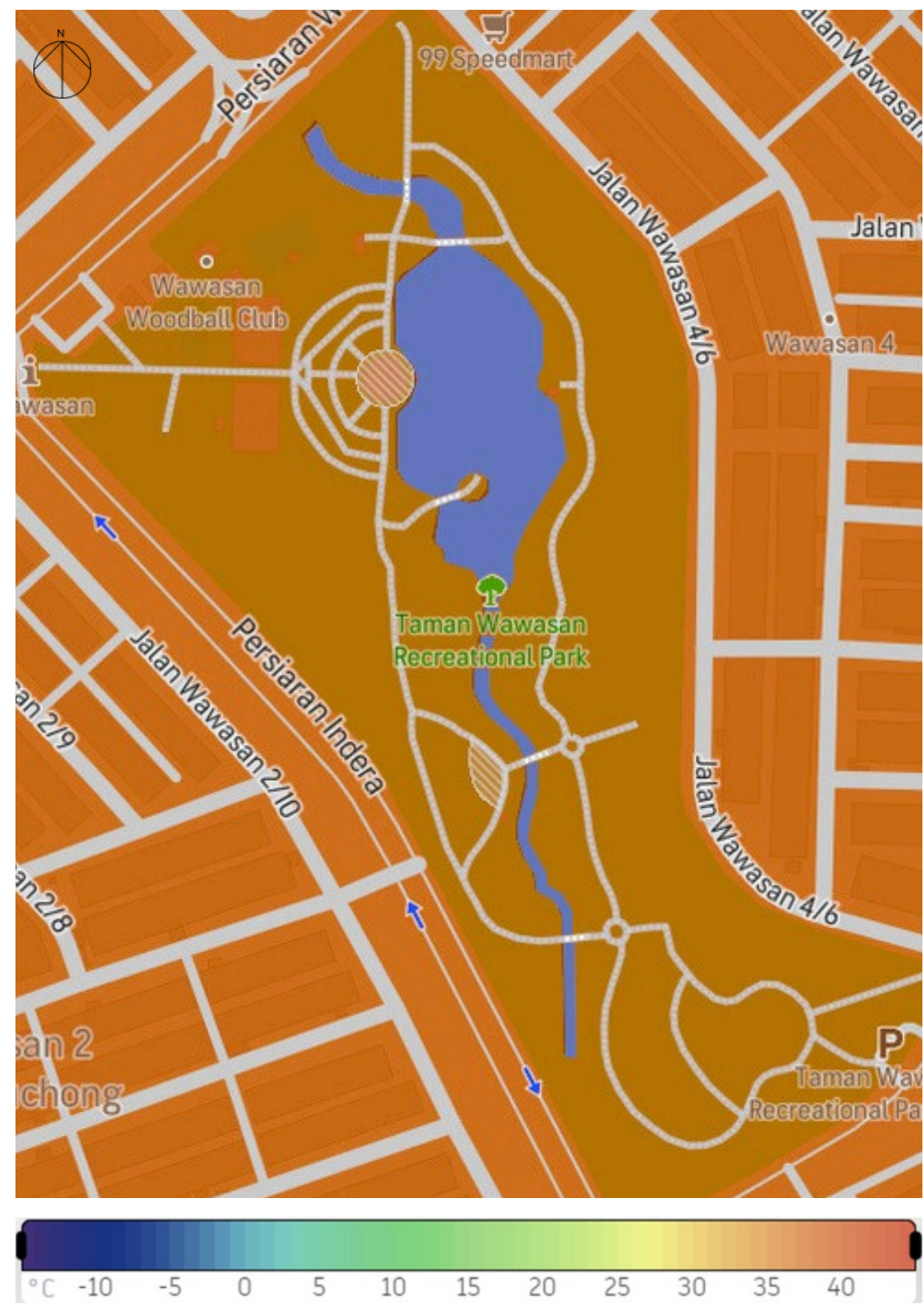
- (October - March).
- Wind speeds can reach 15m/s.



In Puchong, Malaysia, the prevailing wind direction is from the south-westerly and is light, with wind speeds usually below 15 knots.

# Task 5 - Site Atmosphere

## Atmospheric Conditions



Average Day & Night Temperature

Average maximum daytime temperatures range from a very warm 33°C in March to 32°C in the coolest month, January. Nights are cooler, with lows often dropping to around 23°C during the colder months.

The lowest temperatures hours are typically between 4 a.m. and 6 a.m., while 3 p.m. marks the highest temperatures time of the day.

This contributed to the way people act in the park. With afternoons being hot and stuffy, people gather under shaded structures; In the morning and night where the temperature is more comfortable, people roam around the park more.

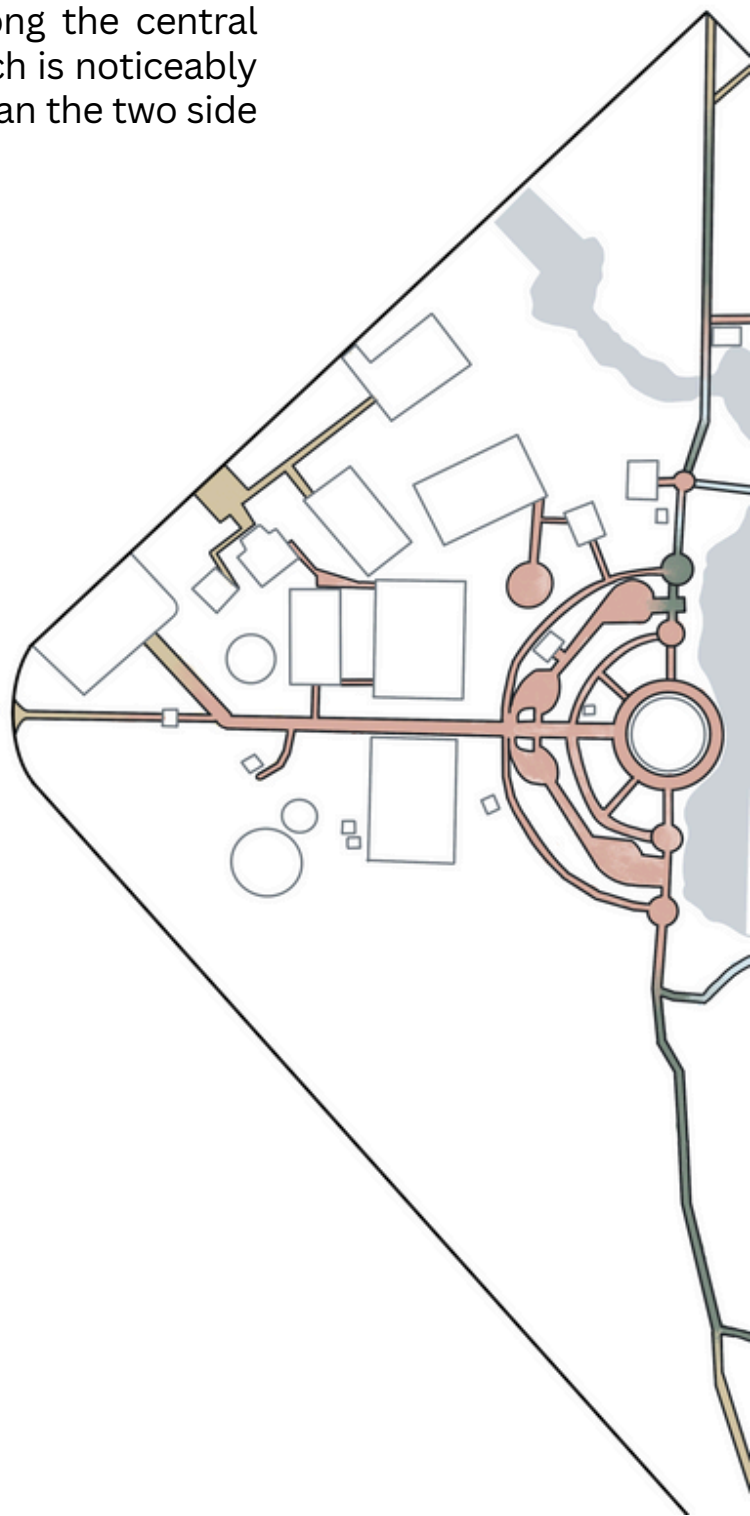
# Task 5 - Site Atmosphere

## Sounds

Weekday

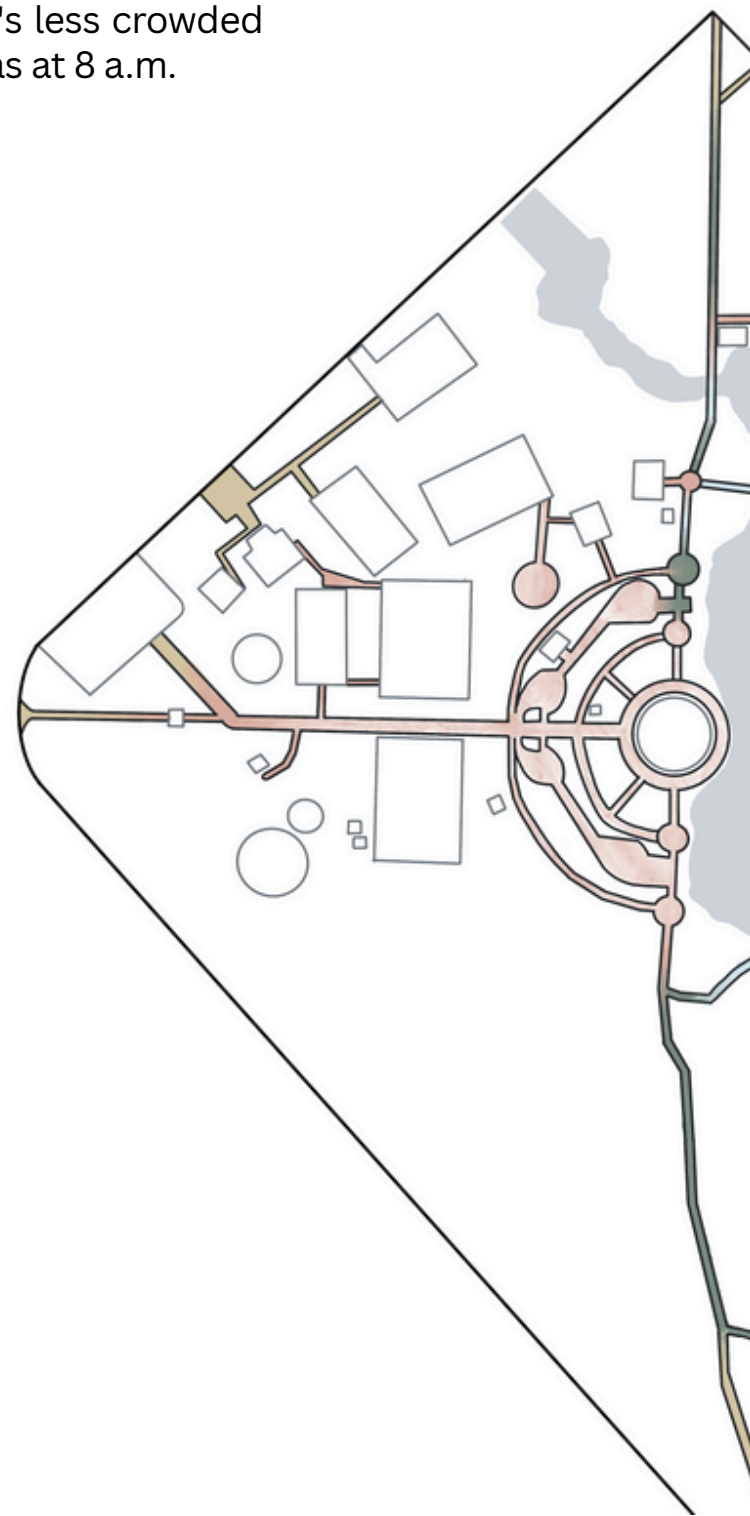
8 AM

Many activities take place along the central axis, which is noticeably busier than the two side areas.



12 PM

The park remains active, though it's less crowded than it was at 8 a.m.



### LEGEND

- People Noise
- Children Noise
- Birds
- Inserts
- Water
- Car & traffic

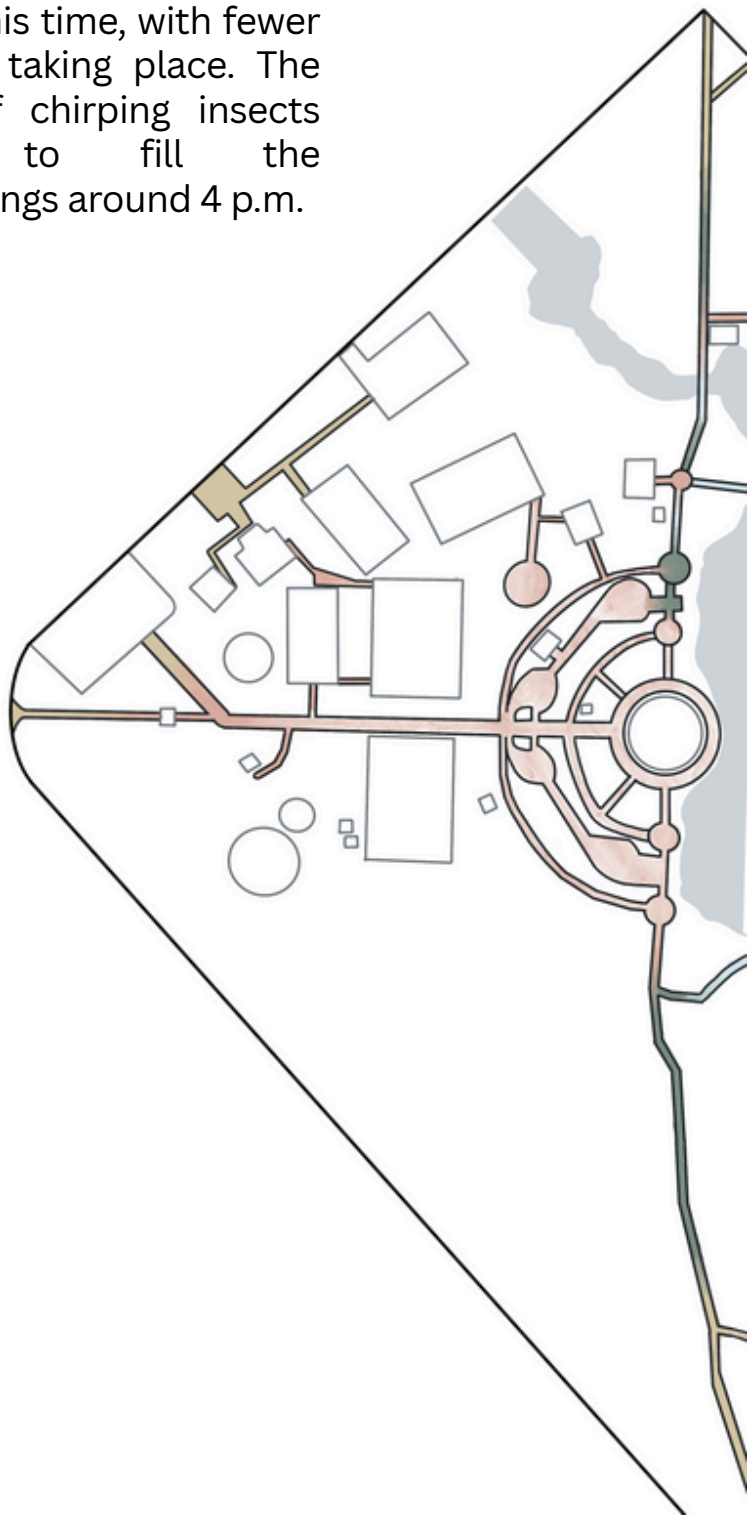
# Task 5 - Site Atmosphere

## Sounds

Weekday

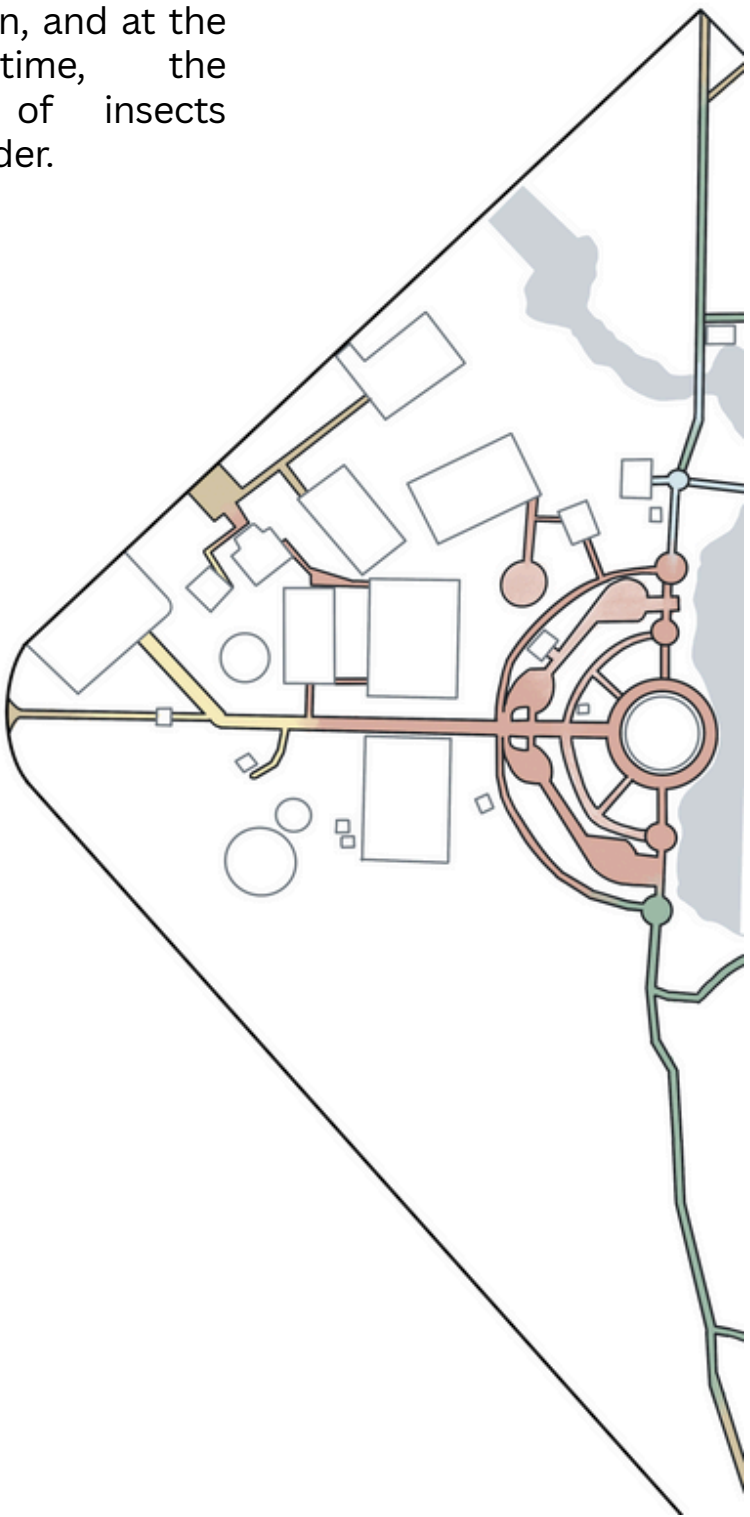
4 PM

The park becomes quieter around this time, with fewer activities taking place. The sound of chirping insects begins to fill the surroundings around 4 p.m.



8 PM

The park becomes lively again, and at the same time, the chirping of insects grows louder.



**LEGEND**

- People Noise
- Children Noise
- Birds
- Insects
- Water
- Car & traffic

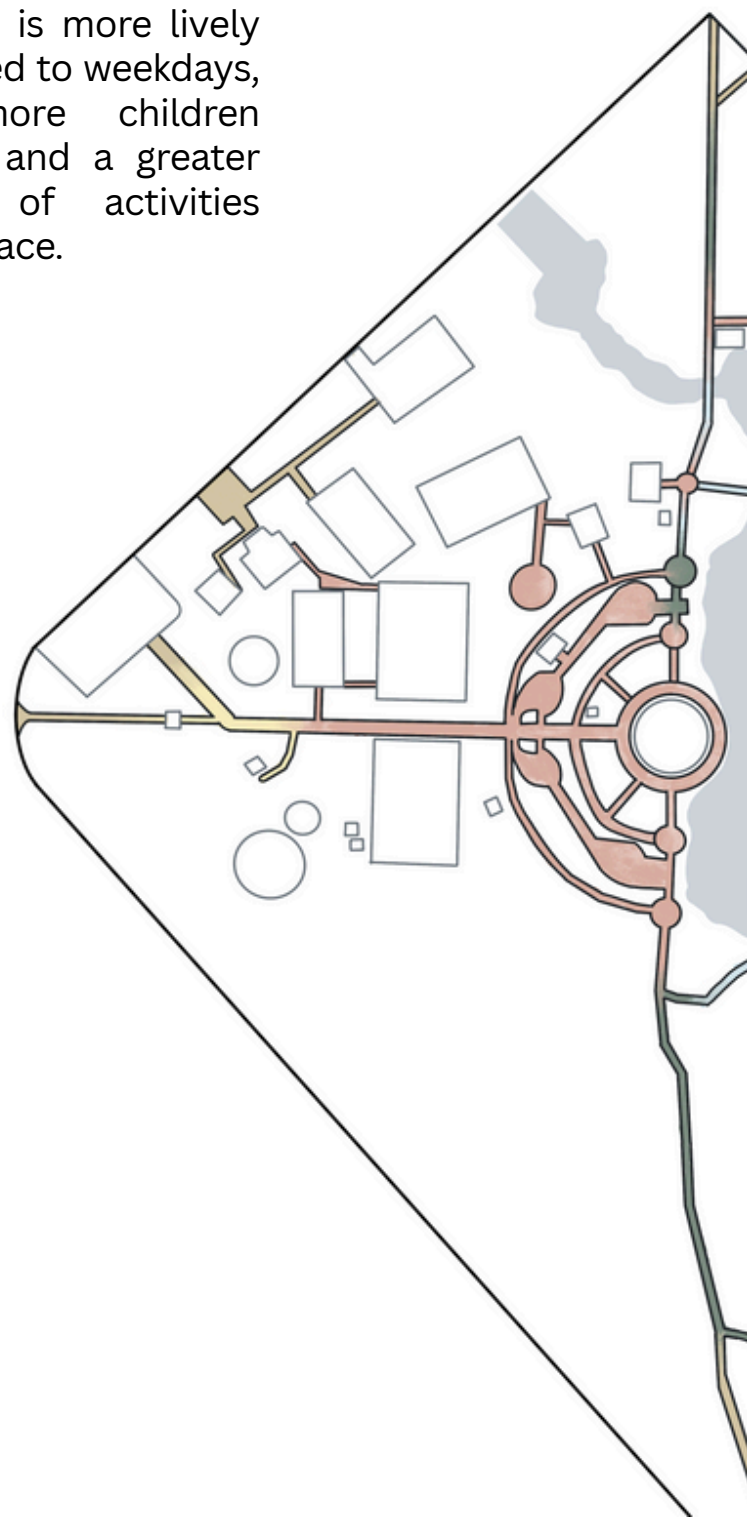
# Task 5 - Site Atmosphere

## Sounds

Weekend

8 AM

During the weekend, the park is more lively compared to weekdays, with more children present and a greater variety of activities taking place.

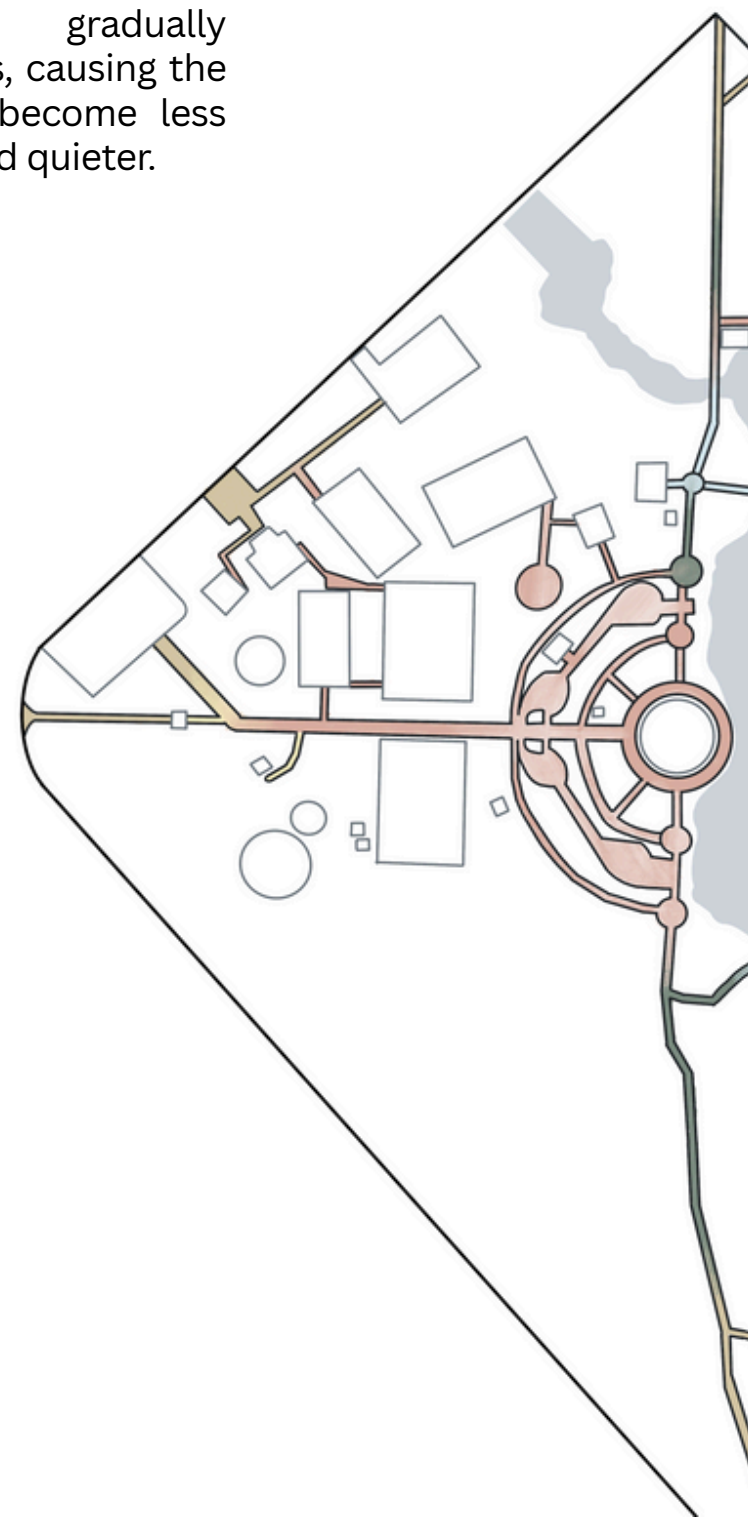


**LEGEND**

- People Noise
- Children Noise
- Birds
- Inserts
- Water
- Car & traffic

12 PM

A few hours later, the crowd gradually disperses, causing the park to become less active and quieter.



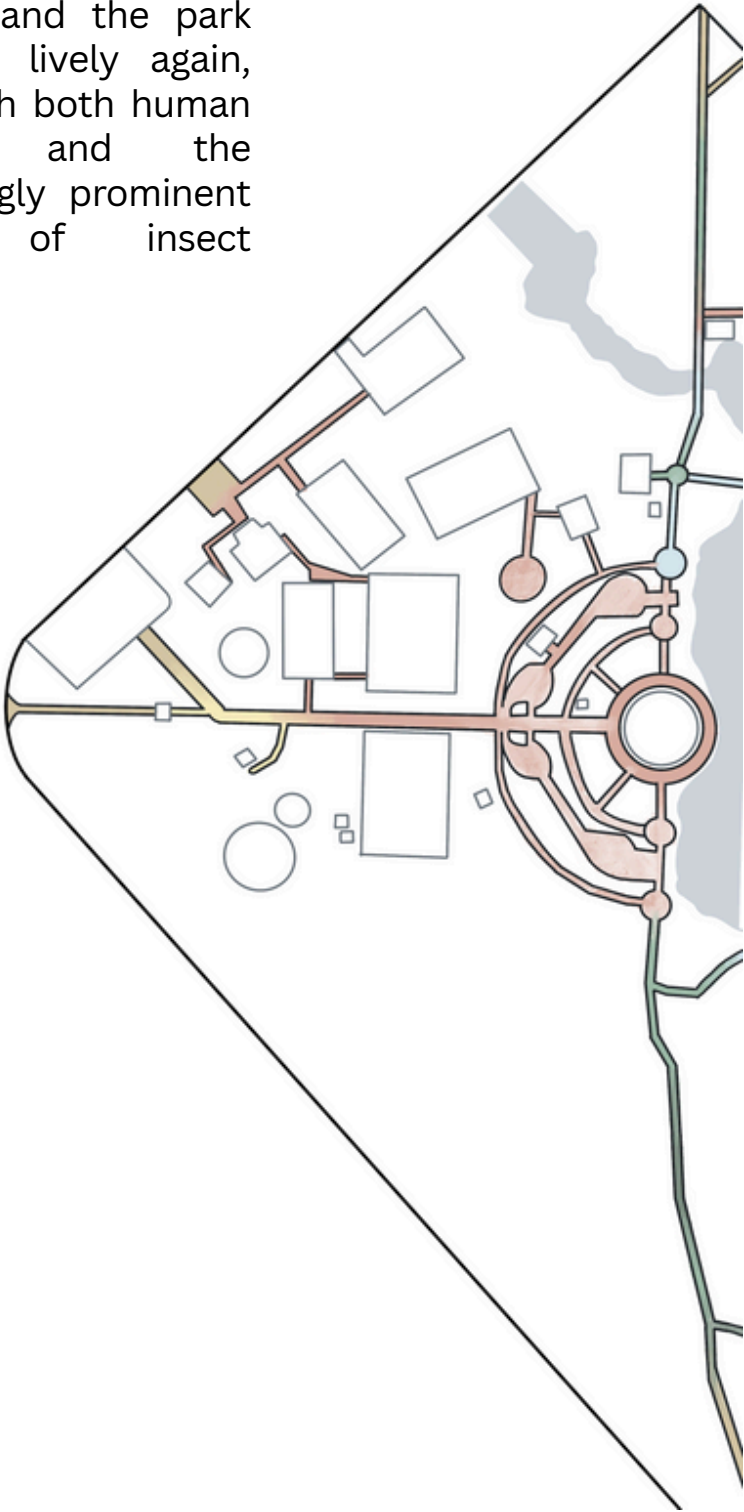
# Task 5 - Site Atmosphere

## Sounds

Weekend

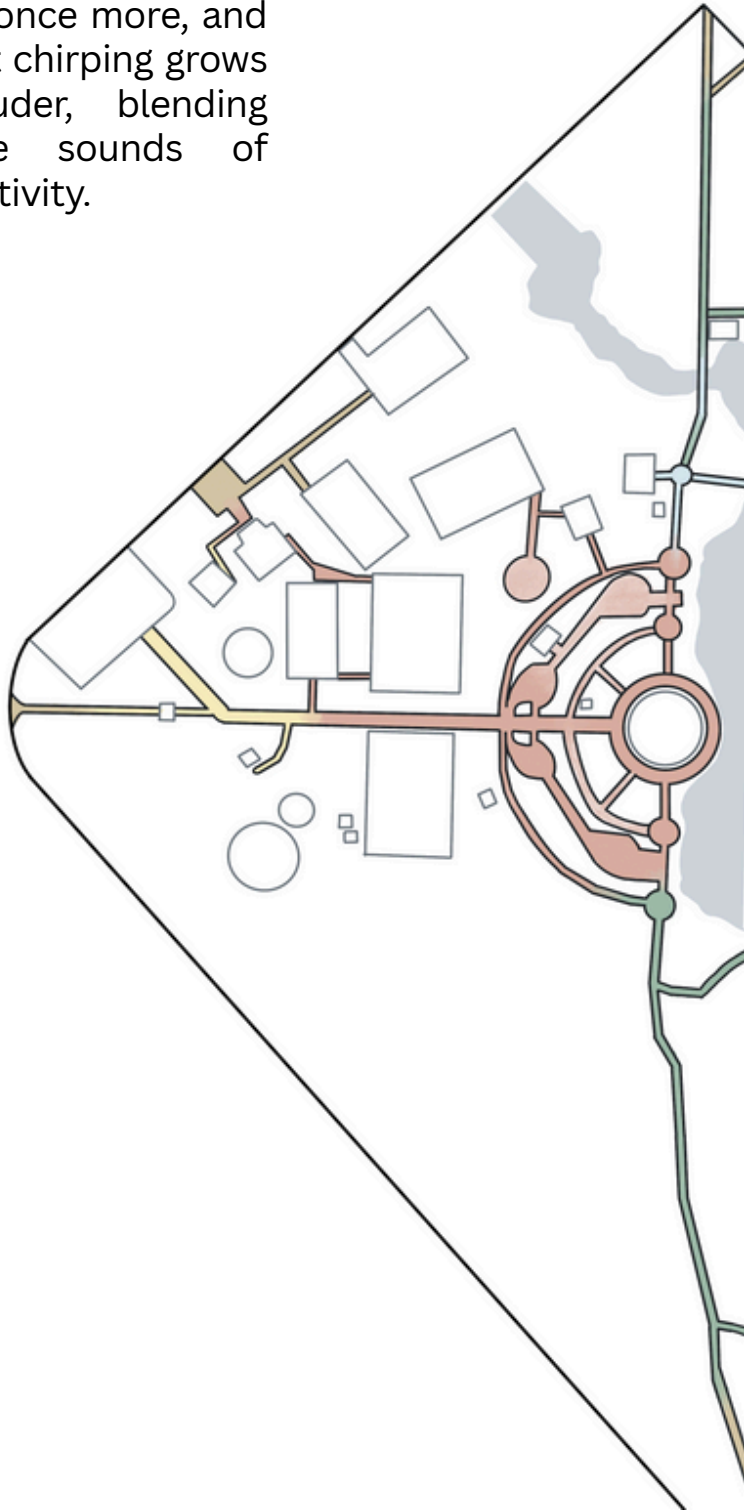
4 PM

The crowd slowly returns, and the park becomes lively again, filled with both human chatter and the increasingly prominent sound of insect chirping.



8 PM

The park becomes crowded once more, and the insect chirping grows even louder, blending with the sounds of human activity.



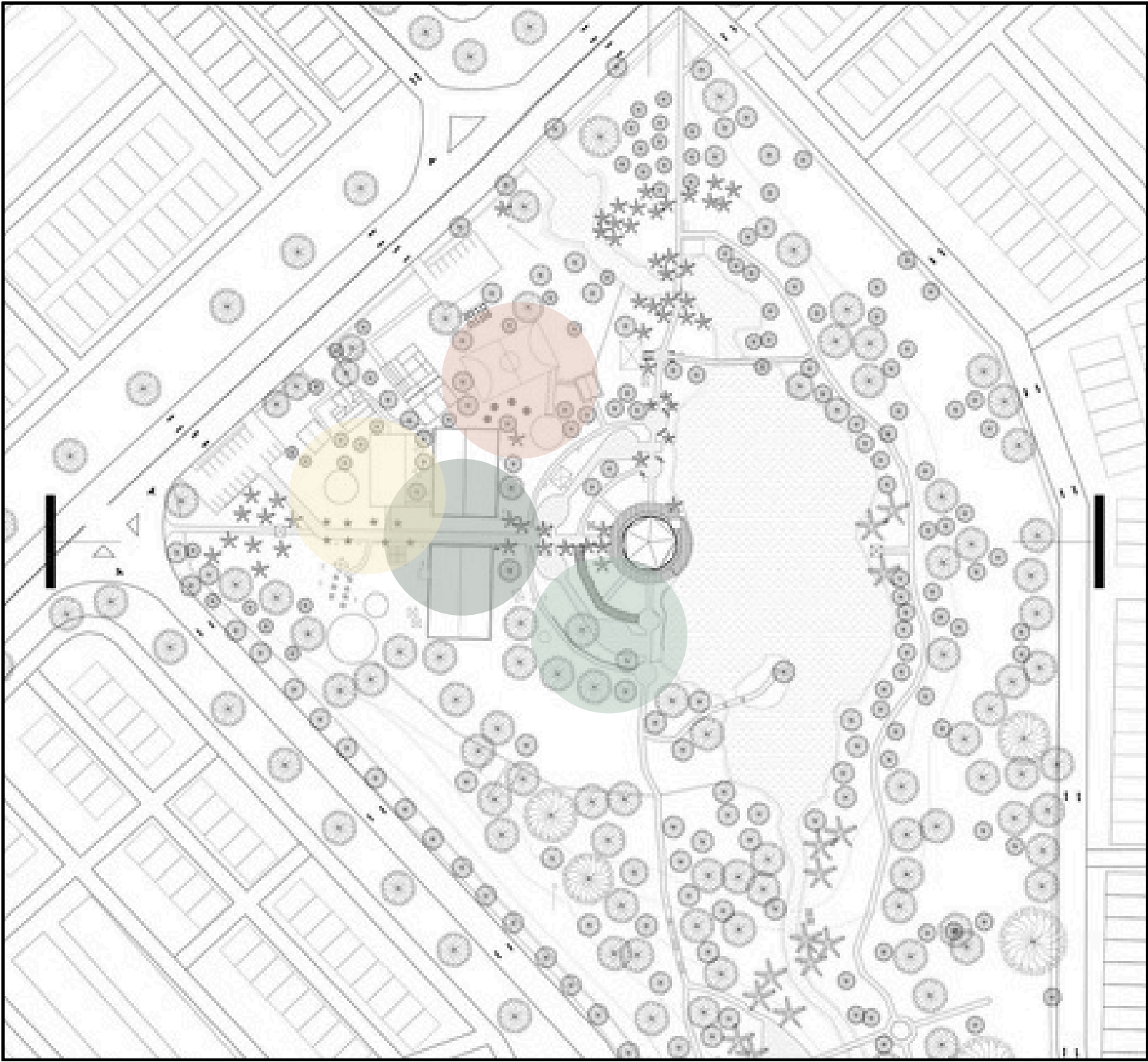
**LEGEND**

- People Noise
- Children Noise
- Birds
- Insects
- Water
- Car & traffic

# Task 5 - Site Atmosphere

## Sounds

Sample Spaces



- Hotspot 1
- Hotspot 2
- Hotspot 3
- Hotspot 4

# Task 5 - Site Atmosphere

## Sounds

Weekday

8 AM



Most people stroll along the pathway

- Human socializing
- Footsteps sound
- Insects chirping sound

1



Zumba and Tai-Chi were held together in this court

- Music sounds
- Calm and slow footwork
- Human sounds

2



Active hotspot due to few sport activities, like zumba and basketball

- Cheering sounds
- Human socializing
- Music sounds

3



People pass by and stretch at this area

- Clear insects chirping sound
- Human sound from the amphitheater nearby

4

12 PM

4 PM

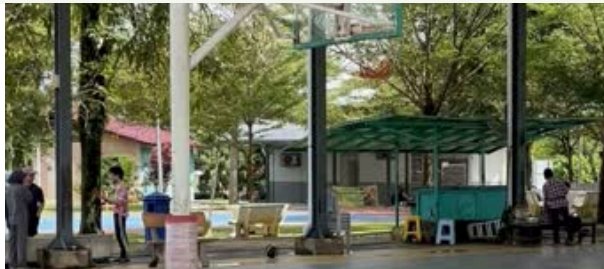


Quiet as the intense heat of the sun discourages most activities. Less people during this hour due to working day

- Loud birds chirping sound



- Car passes by sound



Active during 12pm, sport activities are held here.

- Human socializing sounds
- Footsteps sound



Due to intense heat and sun, no people around here

- Minimal human sound
- Loud birds chirping sound

8 PM



Kids play football in the court

- Occasional calls between players
- Quick footsteps
- Insects chirping sound



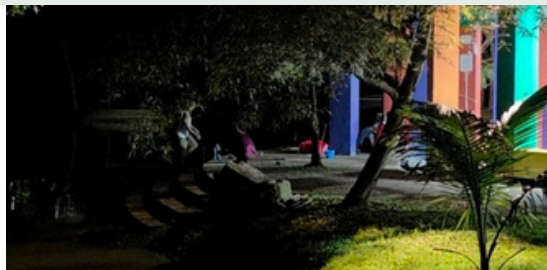
Volleyball is held in the court

- Human socializing sound
- Footsteps sound



Most active hotspot, most people play basketball.

- Basketball bouncing sound.
- Occasional calls between players.



Amphitheater nearby, inactive at night

- Sound from other hotspots

# Task 5 - Site Atmosphere

## Sounds

Weekend

8 AM

1



Zumba was held in the court.

- High-energy music sound
- Human's footwork and laughter

2



Elders gathered to do Tai-Chi, or stroll in this area

- Calm and slow music surrounds
- Soft, deliberate movements creating almost no sound

3



Active hotspot due to few sport activities

- Basketball
- Human socializing

4



Most people jog and pass by this area

- Footsteps sound
- Birds chirping sound

12 PM

4 PM



Quiet as the intense heat of the sun discourages most activities. Most people stay at shaded areas

- Minimal human sounds
- Car passes by sound



Most activities held here at these hours as the courts are shaded

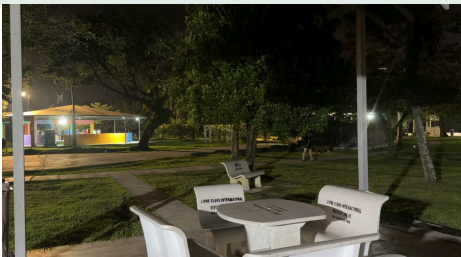
- Cheering sounds
- Footsteps sound



People stay at shaded areas to avoid sun

- Human socializing
- Birds and insects chirping sound

8 PM



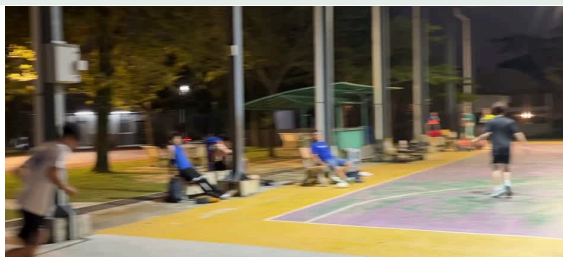
No activities held, activities happen at hotspots 3 & 4.

- Human sounds from other hotspots.
- Loud insects chirping sound.



Due to insufficient light, this hotspot is not active during nighttime.

- Car passed by sound.
- Insects chirping.



Most active hotspot, most people play basketball.

- Basketball bouncing sound.
- Occasional calls between players.



Amphitheater nearby, social activities are held.

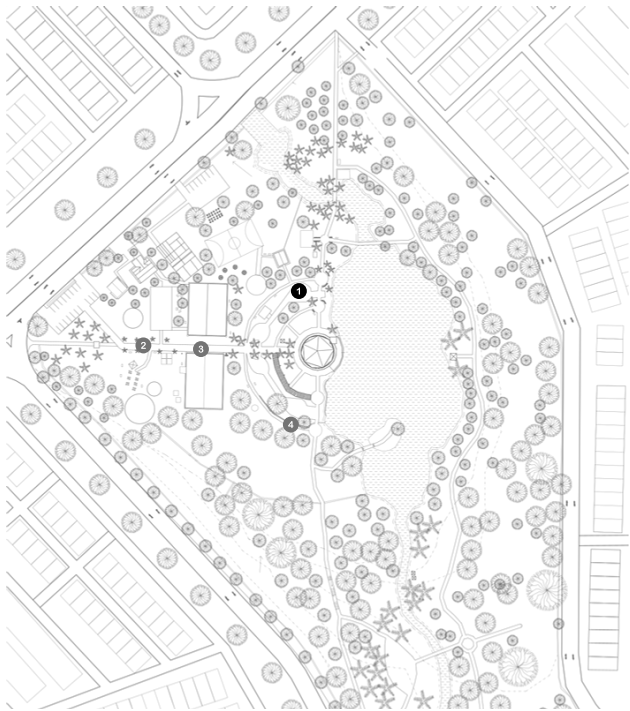
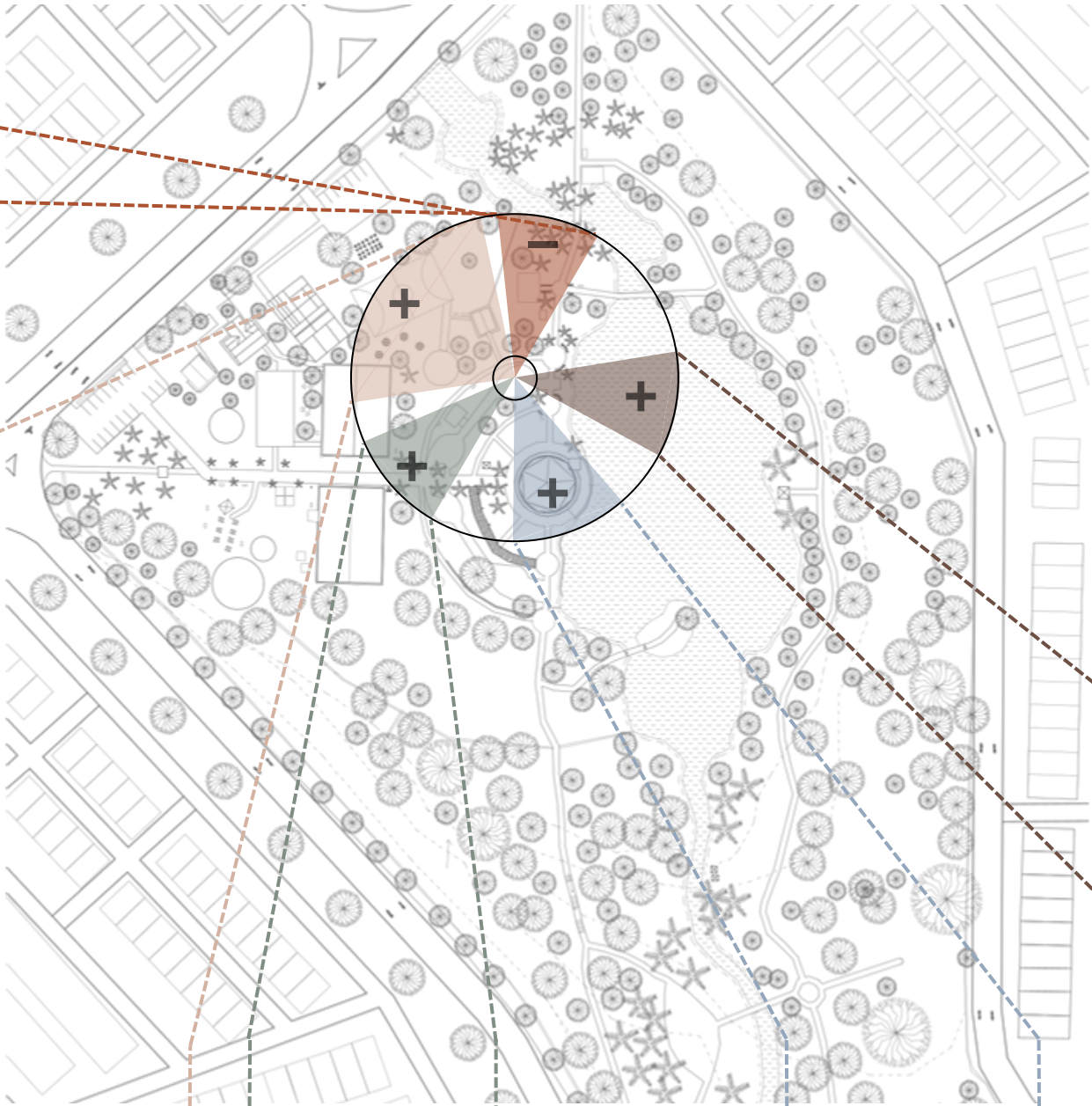
- Loud human voices.

## CONCLUSION

During both weekdays and weekends, high levels of activity and sound are observed in the morning across the four hotspots. In the afternoon, both activity and sound levels decrease significantly, although weekends still experience a slightly higher number of people compared to weekdays. Finally, at night, most activities are concentrated only at Hotspot 3.

# Task 5 - Site Atmosphere Views

1



Key Plan N.T.S



- The exposed toilet creates an unpleasant view
- + The sitting area and pull-up bars framed by greenery create an active and inviting view
- + The pathway and mini library create a lively and welcoming scene, encouraging movement and community interaction
- + The colourful amphitheatre surrounded by greenery creates vibrancy and a pleasant view
- + The open view facing the lake creates a serene and calming atmosphere, enhancing the park's natural beauty

# Task 5 - Site Atmosphere

## Views

2

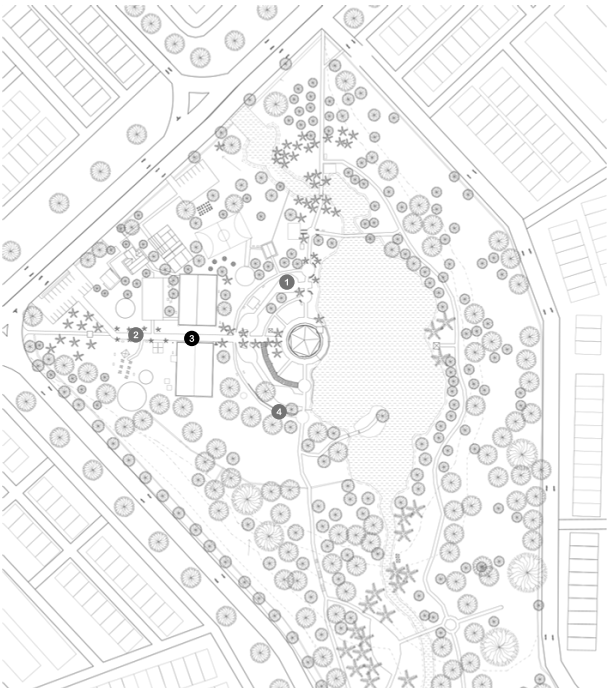


✚ The gazebo surrounded by greenery creates a calm and pleasant scene

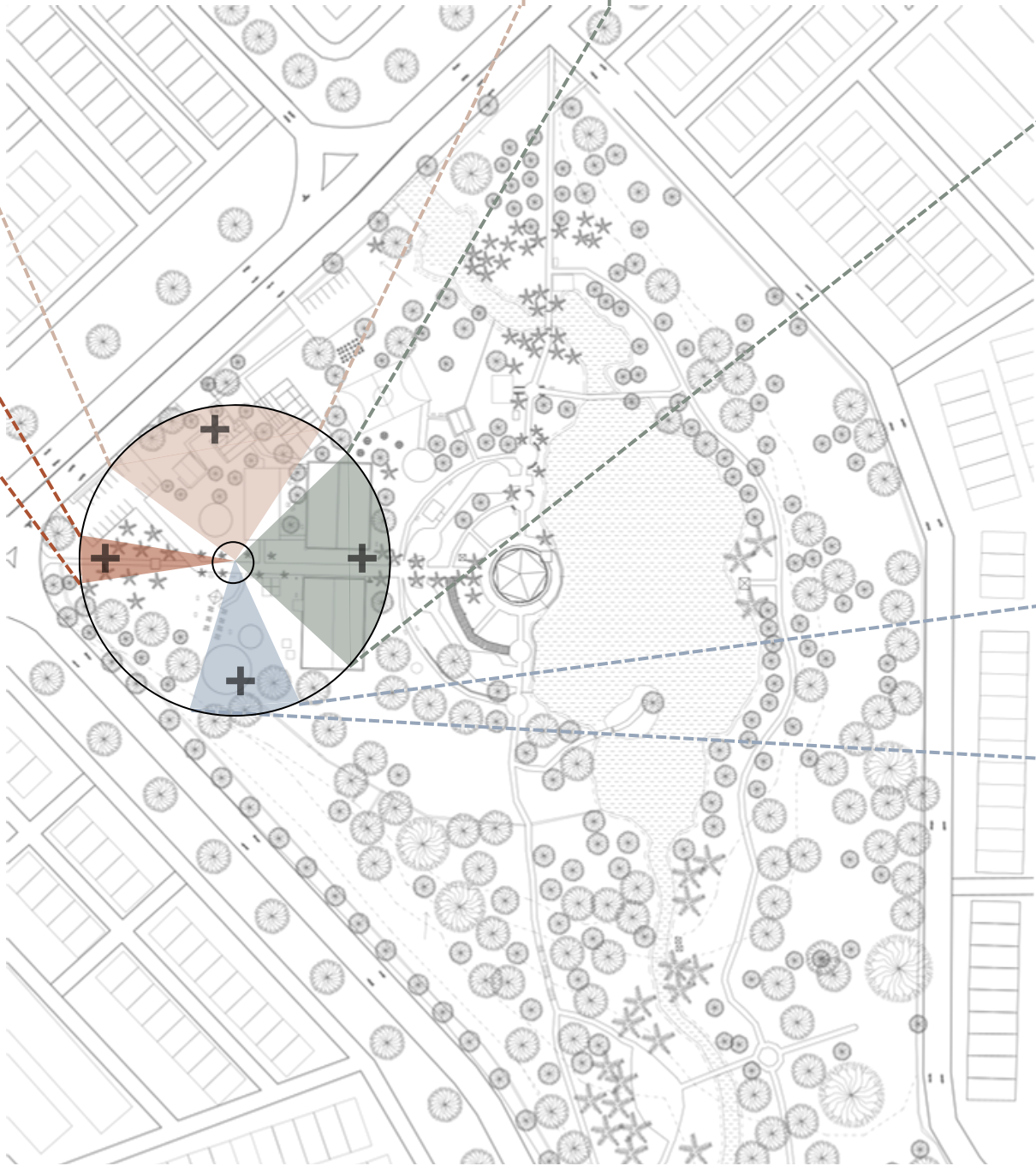
✚ The view of the playground and badminton court creates an active and lively atmosphere

✚ The view of the pathway and basketball courts creates a dynamic and energetic scene

✚ The view of the playground structure offers a fun and engaging atmosphere for families and children

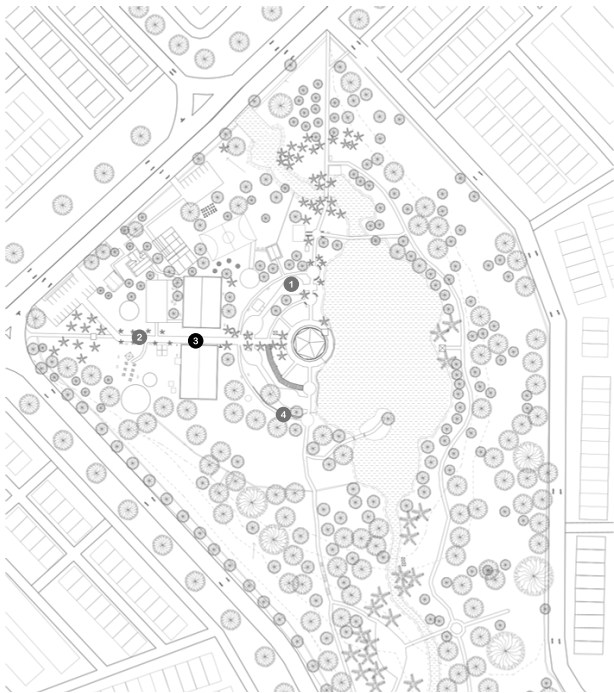
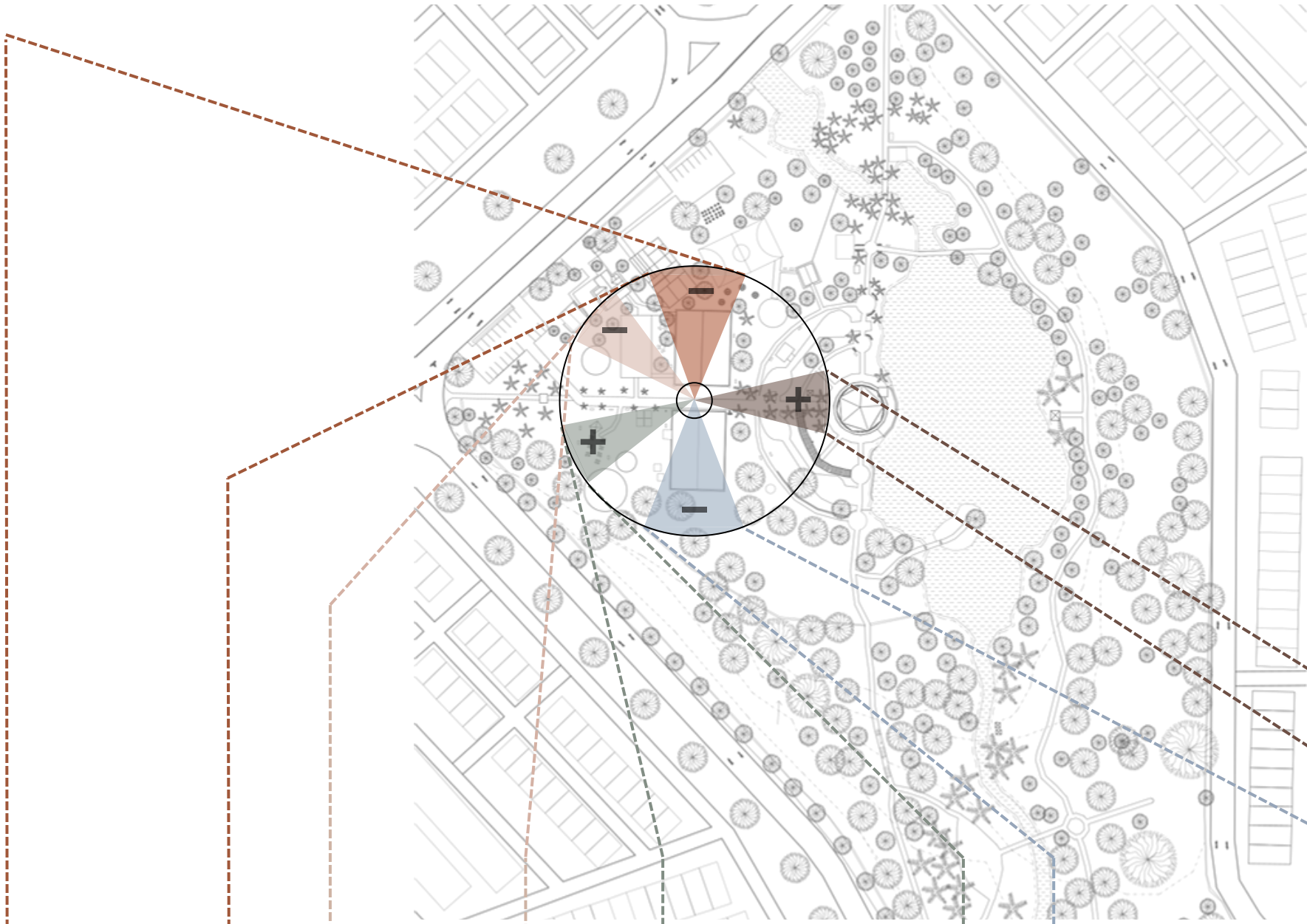


Key Plan N.T.S



# Task 5 - Site Atmosphere Views

3



Key Plan N.T.S



— The basketball court blocks the view of the greenhouse

— The road and vehicles parked along the roadside result in an unpleasant view towards the spot

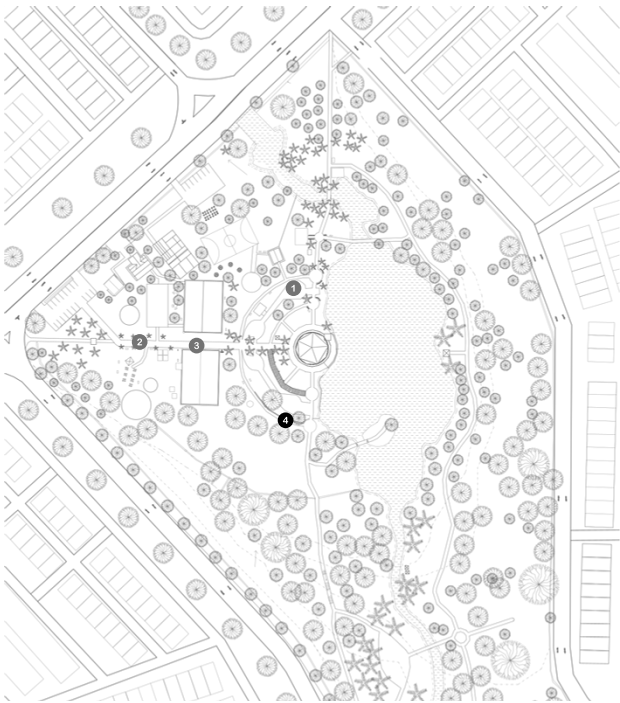
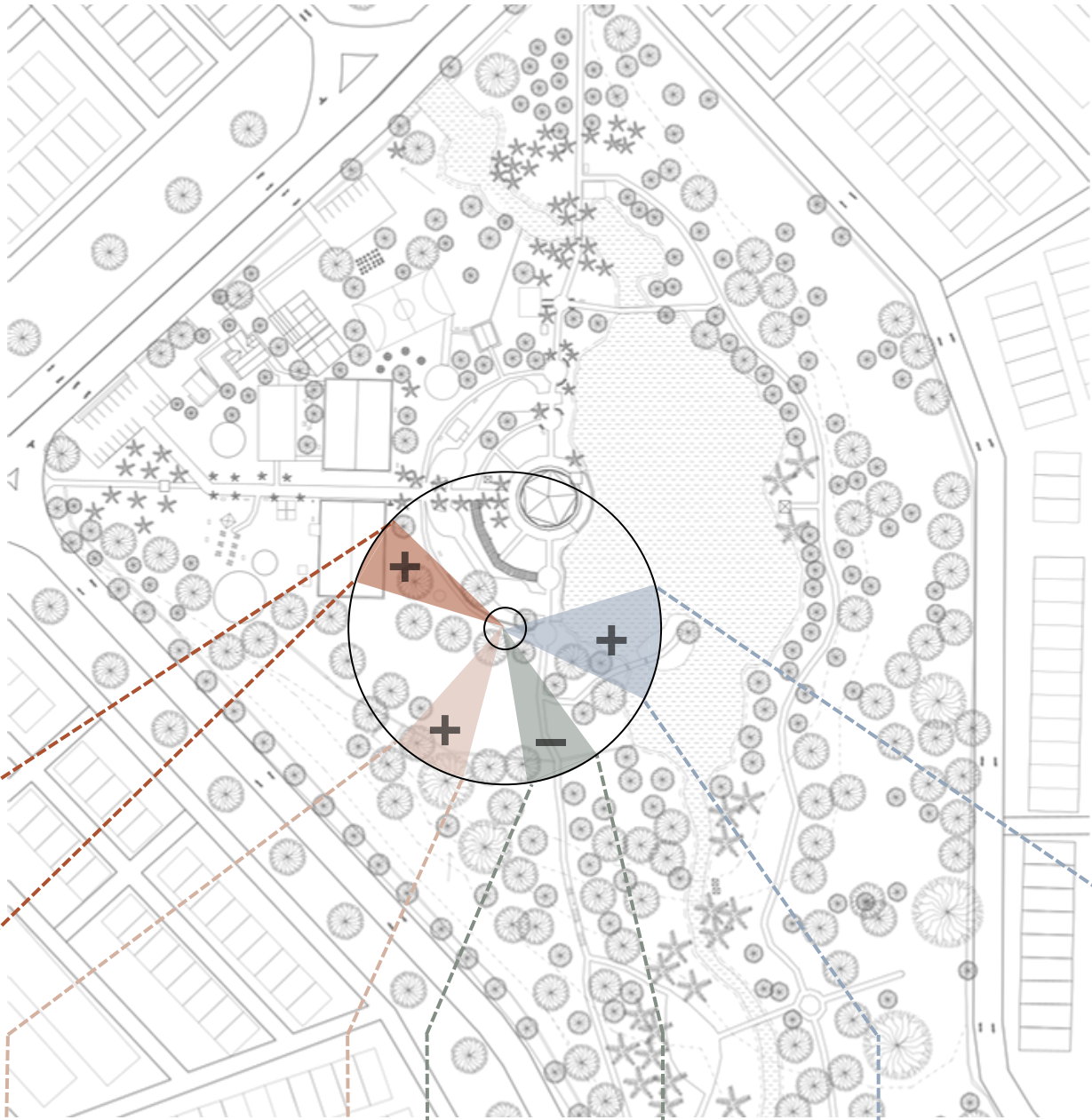
+ The greenery surrounding the manmade structures creates a harmonious atmosphere and a more pleasant view

— The basketball court blocks the entire view of the greenery behind

+ The colourful amphitheatre surrounded by greenery creates vibrancy and a pleasant view

# Task 5 - Site Atmosphere Views

4



Key Plan N.T.S



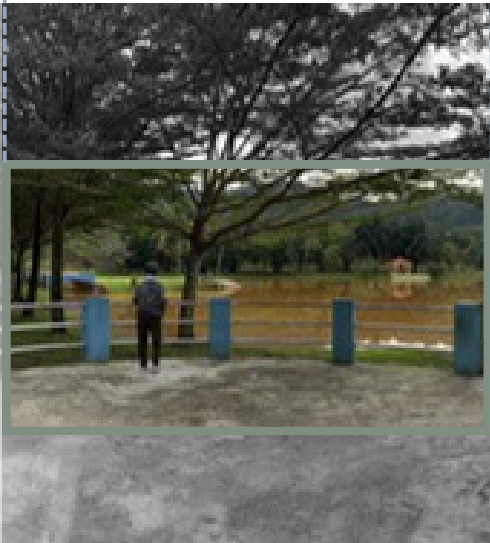
+ Excellent view to show community activity and lively atmosphere



+ Provides abundant greenery with many trees, creating a refreshing and calming atmosphere



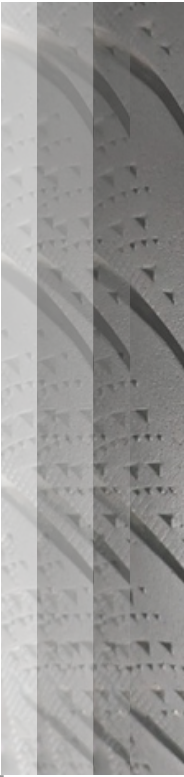
- View faces the road, introducing urban elements that reduce the natural feel.



+ Wide view facing the lake, offering a clear sight of most of the park

# Task 5 - Site Atmosphere

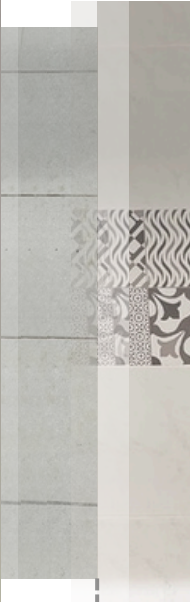
## Colors



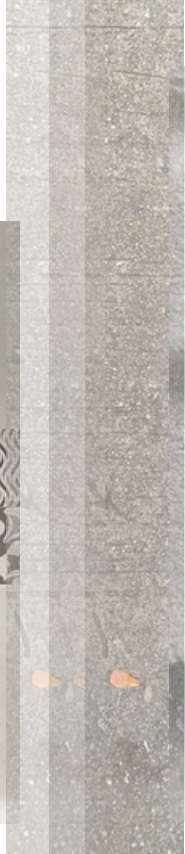
Tyres as decorations around community library



steel plates cover the library



Tiles from the public toilet



Bricks with cement cladding



Basketball court



Recycle bin



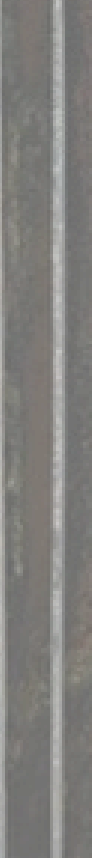
Brick roads



Roof of the resting area



Steel Bar of the exercise tools



Drainage system

# Task 5 - Site Atmosphere

## Colors



# Task 5 - Site Atmosphere

## Colors



### Built

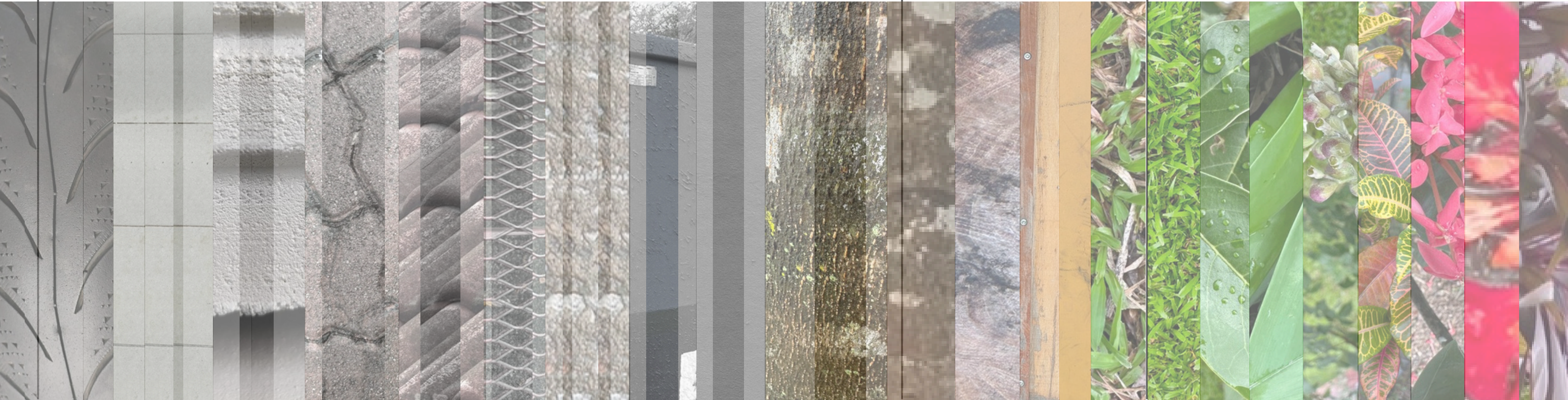
The Built environment is characterized by muted, monochromatic tones, focusing on grays, beiges, and subdued earth tones. Textures are dominated by hard, rigid materials like concrete, stone, and metal – surfaces that are cold to the touch, ordered, and man-made.

### Symbiosis

Symbiosis is a middle ground where nature and structure interface. Textures now begin to fade as natural features like moss, vines, and weathering become active on the hard material.

### Natural

Natural environment is replete with life and color. Greens dominate, with deep reds, yellows, and earthy browns of growing vegetation. Textures are rich and varied – from the smooth surface of leaves to the roughness of bark and the soft face of petals.



# Task 5 - Site Atmosphere

## Sense of Place (Morning)

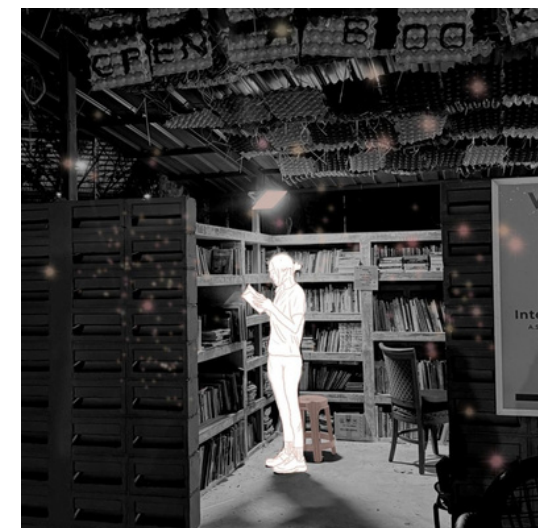
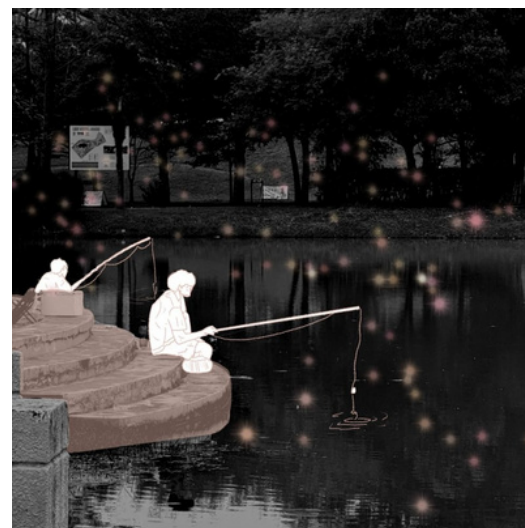
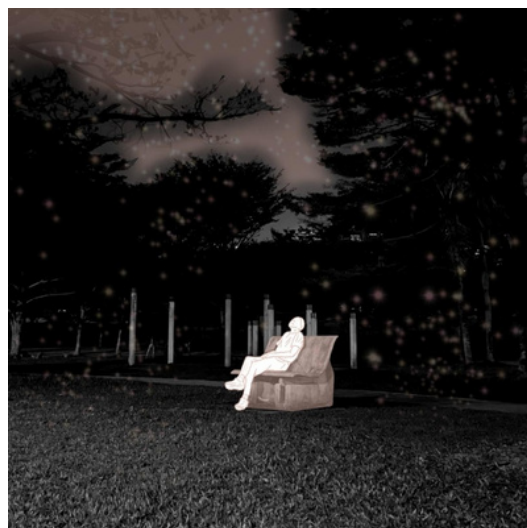
### *Community & Vibrancy*



# Task 5 - Site Atmosphere

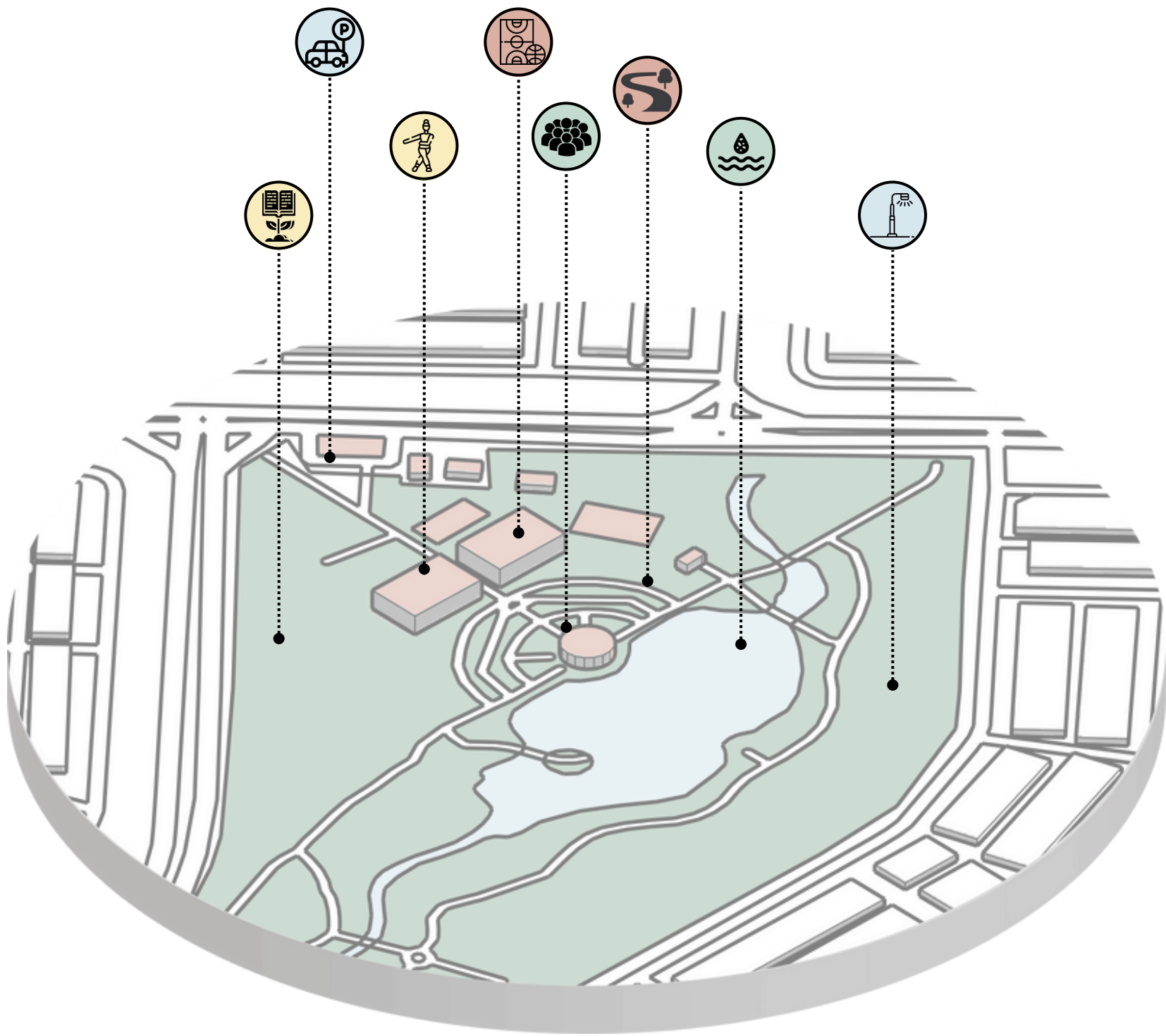
## Sense of Place (Night)

### *Romance & Solitude*

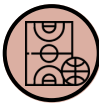


# Task 5 - Site Atmosphere

## SWOT



### Strengths



#### Diverse Recreational Facilities

The park features amenities such as jogging and cycling paths, sports courts, playgrounds, outdoor gym equipment, and a man-made lake, curating spaces that allow for interaction and community; shaping the parks identity.



#### Natural Ambiance and Walkways

The park's mature trees, gardens, and shaded walkways create a cool, refreshing atmosphere, offering a peaceful retreat from the surrounding urban environment.

### Weaks



#### Limited Parking

The park has limited designated parking spaces, forcing visitors to park along the roadside, causing congestion and inconvenience; which could ruin the experience for visitors.



#### Lighting Limitations

Some areas of the park have limited nighttime lighting, making it less safe and less attractive at night.

### Opportunities



#### Eco-Education Programs

Introducing nature trails, plant signage, or weekend workshops can enhance a park's role as an outdoor education classroom.



#### Community Programs

Organizing regular events, workshops, and fitness programs can further engage the community and encourage a healthy lifestyle.

### Threats



#### Overcrowding

The park is very popular, especially on weekends and holidays, which can lead to overcrowding and affect the quality of the visitor experience.



#### Environmental Degradation

Without proper maintenance and visitor cooperation, the park's natural beauty and cleanliness may deteriorate over time.