

FIGURE 1.1 - OVERALL SITE MAP WITH WINDPATH AND SUNPATH

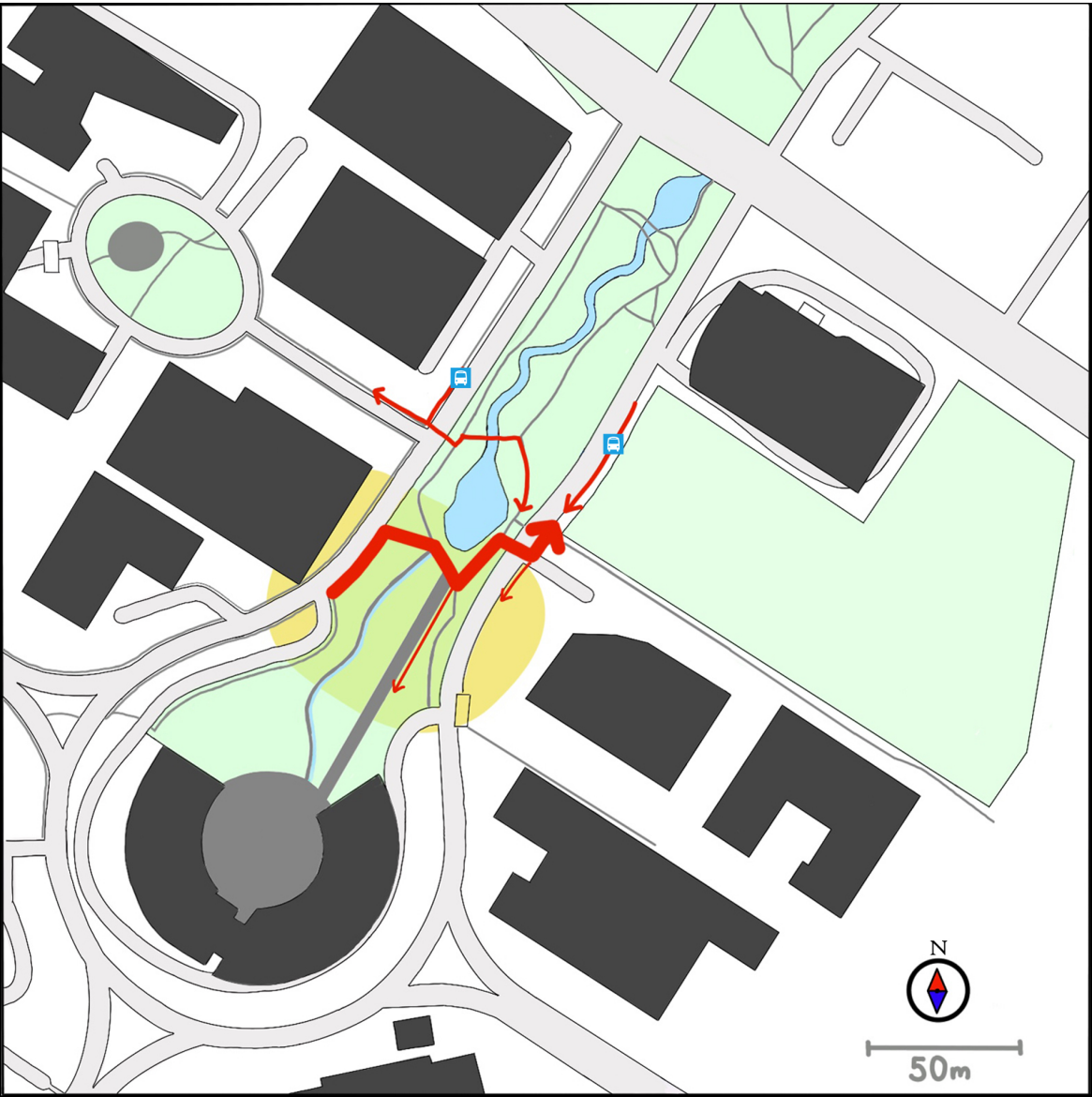


FIGURE 1.2 - OVERALL SITE MAP WITH MORNING FOOTFALL AND MORNING SUNSHINE

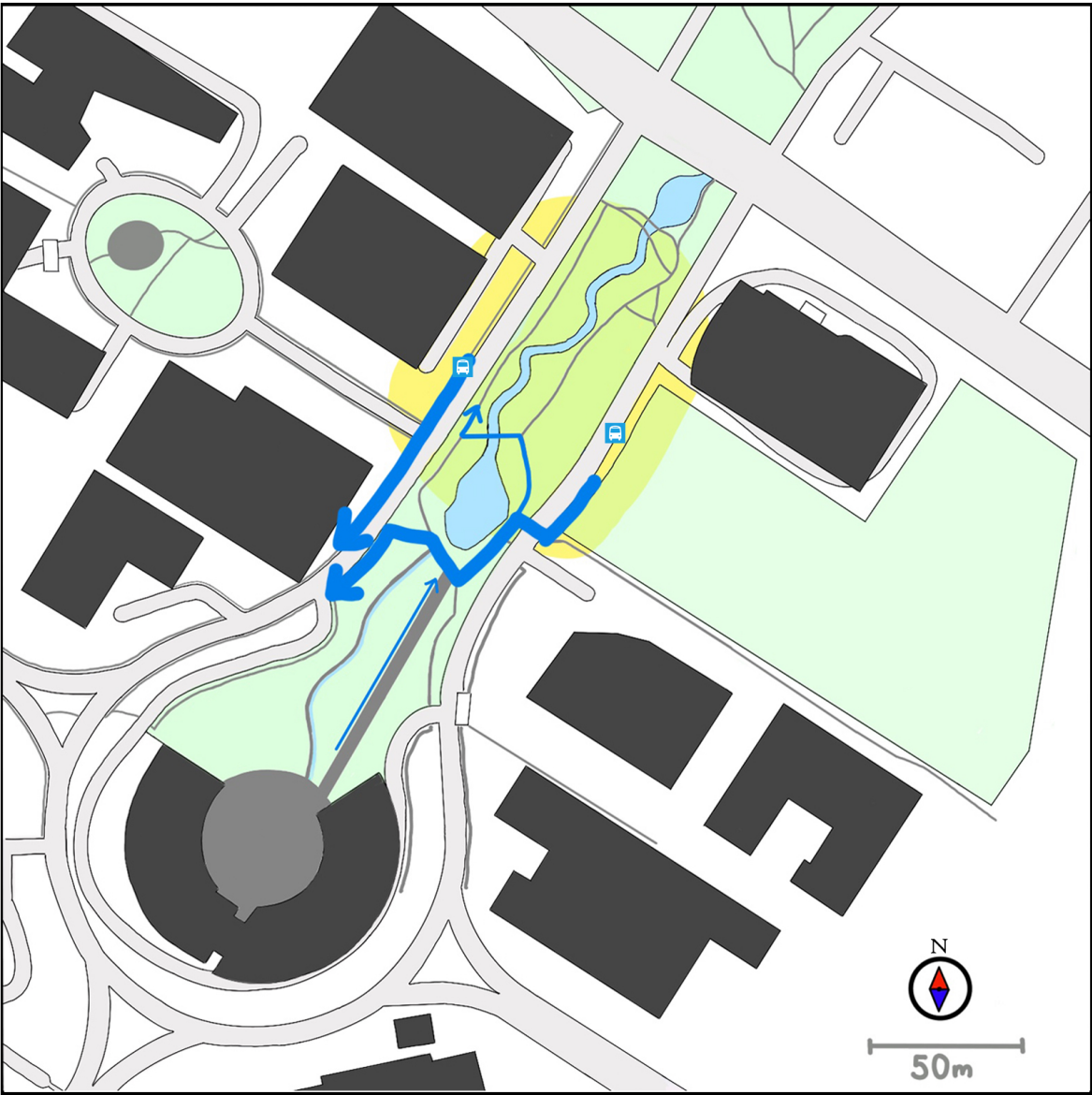


FIGURE 1.3 - OVERALL SITE MAP WITH EVENING FOOTFALL AND EVENING SUNSHINE

SITE ANALYSIS

LEGEND

→ Building

→ Footpaths

→ Roads

→ Parks & Fields

→ Water

→ Windflow

→ Sunshine

→ Morning Footfall

→ Evening Footfall

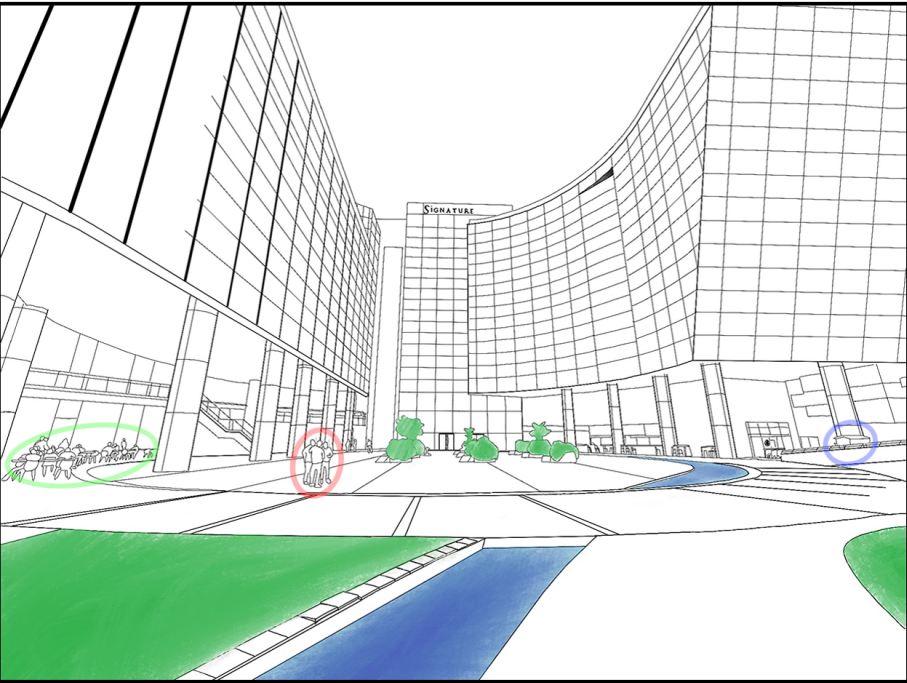
→ Bus Stop

DESIGN GOALS

From the beginning, my design goal was harness the use of **both natural and artificial light** to build a communal space where people from **different walks of life can spend time at, interacting with one another and walk away better from it.**

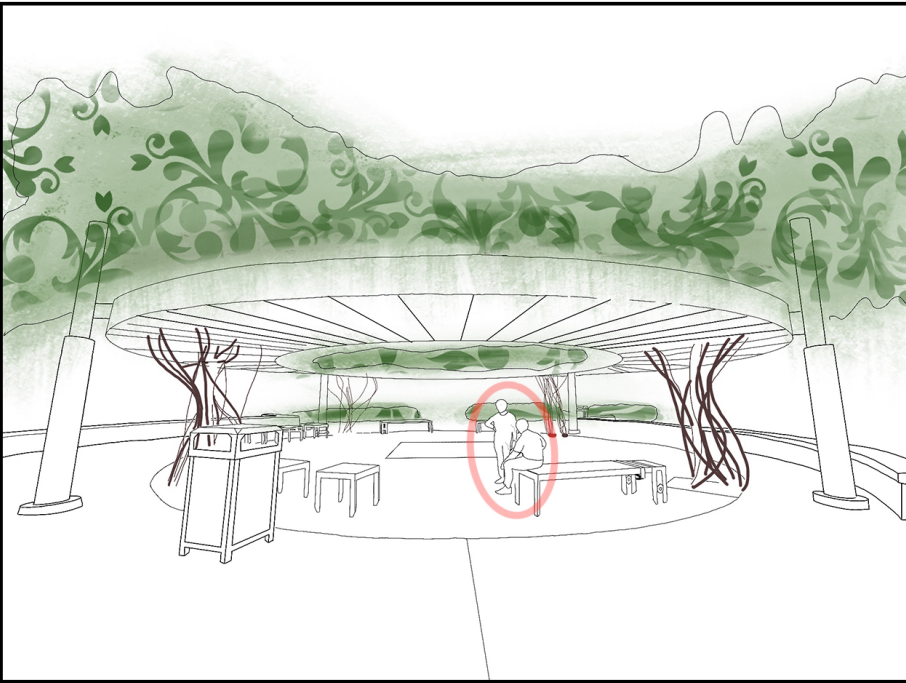
I chose the JTC Pond, located at the heart of the CBP, due to it being a location where the **human footfall** from the surrounding offices is **greatest**. Yet despite this, when the sun sets, almost **no commuters** along the park can be found. The lack of lightning and the curved footpaths make traversing the park **dangerous and nervewracking**. As such, many commuters at night prefer to travel across the road where ample lighting and straight roads are abundant.

I hope that through the creative use of natural and artificial lights, more people will be **willing to walking through and spend time within the park itself**, eventually leading to the **forming of deep, long lasting friendships** between **people from different companies** within the park grounds.



PLAZA OF THE SIGNATURE

The **busiest location in the afternoon** of the chosen area , with a hawker center on the far left, where **many office workers** from the nearby office buildings **come to eat**. The office workers eat either within the hawker centre or outside under shelter. The main plaza open to the sky is a hotspot for **office workers** from The Signature and Mapletree Industrial **who want to smoke**. On the far right lies the **Mindchamp Preschool**, where young children **run and play in the playzone behind the slope** up to traffic level.



OVERGROWN COURTYARD

No one present in the early morning or late evening, yet has a **steady group of people throughout the day**. It is common to see **groups of smokers from the surrounding companies** coming over to relax and smoke. During lunch, the occasionally group of office workers who went out for lunch together bring their food to this place to eat. Late in the evening, the lack of artificial lights and the overgrown nature of the courtyard gives the location an eerie ambience, which leads to many avoiding this location.



JTC POND

The JTC Pond is a location that **experiences frequent human traffic**, from **early morning to the late evening**. The most frequently sighted throughout the day are office workers, but in the mornings and evenings, parents can be seen walking with their children beside the pond. The **pond area has the greatest traffic at lunch**, with groups of people approaching the hawker centre at The Signature through this path. However, the lack of any lights means that no one walks in this region after the sun sets.

ENVIRONMENT

TEMPERATURE & HUMIDITY

A park in an urban area, the **temperatures within the park are lower** than the temperatures of the surrounding buildings. However, due to the presence of the nearby pond, the **increased humidity** within the park makes the temperature **feel higher than it is**.

NOISE

The park is surrounded by roads on all sides and as such, the **noise of traffic is prevalent** within the park, with the noise levels being the **greatest in the morning and evenings**, when workers are arriving to and leaving from work respectively.

POND ENVIRONMENT

The environment of the pond is of a **poor quality**, with the water being seemingly **stagnant** and a **murky, swampy green colour**, with many floating **aquatic plants** that are of a very **unsightly shape**. The **presence of algae** in the water is prominent.

PRESENCE OF MOSQUITOES

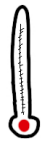
Within a few minutes of sitting within the park, one tends to be **bitten by mosquitoes** multiple times unless wearing full body clothing.

WINDFLOW

High levels of windflow in the area, typically from the **North-East**, but occasionally from the North and the North-West as well.

LIGHT LEVELS

With the **lack of street lamps** in the park, the park is **very poorly lit at night**, with the only available light from the street lamps nearby. The open park is otherwise **well luminated in the day**.



MACRO A.E.I.O.U.

OBJECTS

Bushes



Trees



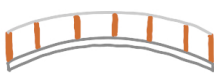
Pond

(See Fig 2.2)

Rocks



Bridge



Dustbin

(See Fig 2.1)

Benches

(See Fig 2.1)

Mosquito Lamps



(Lack of) Traffic Lights

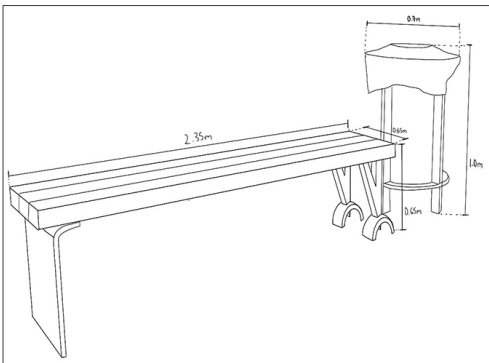
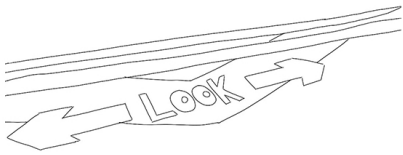


Figure 2.1 - Proportions of the Benches and Dustbins in the Park

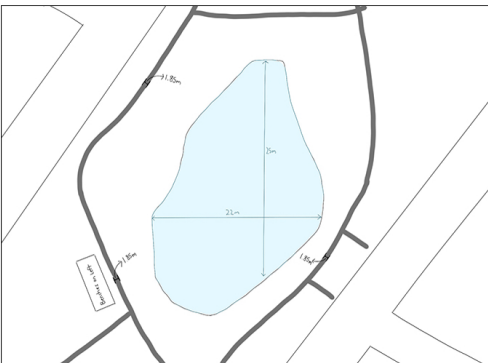
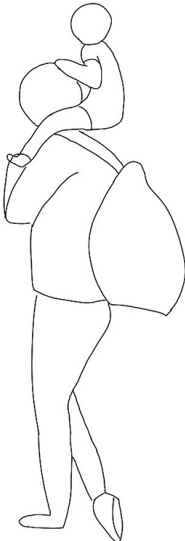
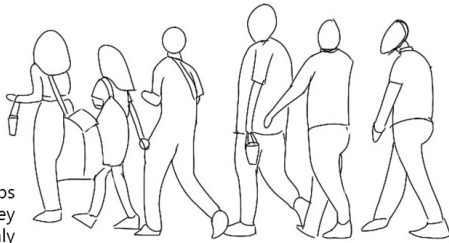


Figure 2.2 - Top-Down view of the proportions of the pond

INTERACTIONS

OFFICE WORKER GROUPS

During the afternoons, it is common to see groups of office workers cutting across the park, as they **leave or arrive from their workplaces**. Not only that, but occasionally office workers from **other offices join up** with the group in the park, before heading off elsewhere.



PARENTS AND CHILDREN

During the evenings, it is most common to see **parents interacting with their children**. Parents let their child run around the pond with them, and **interacting with each other** meaningfully around this region. Both also **interact with their surroundings**, with the parent showing the child the tortoises in the pond, letting the kids touch the flowers in the park and more.

SINGULAR OFFICE WORKERS

During the afternoons, office workers can be seen **sitting down at the park benches**, with a cold drink in hand while conversing over the phone. They can remain on these benches until they finish their drink, before leaving, still on the phone. On rare occasions, office workers can be seen **napping on the benches** under the wide shade of the surrounding trees.

USERS

OFFICE WORKERS

The main users of the park throughout the day, office workers from the nearby buildings tend to **pass through the park at least once**.



PARENTS

The second most common group of users of the park, alongside preschoolers. This group is most commonly **seen in the early mornings or the late evenings** in the park.

PRESCHOOLERS

The second most common group of users of the park, alongside parents. This group is most commonly **seen in the early mornings or the late evenings** in the park.



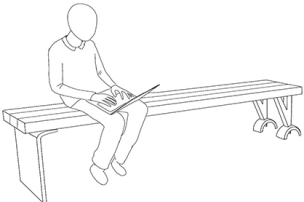
CYCLISTS

Occasionally seen within the park, travelling up and down. Tend to **frequent the area greatest during the lunch break and early evening**.

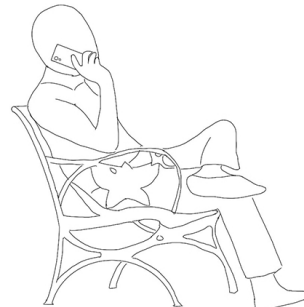
ACTIVITIES

MORNING / AFTERNOON

In the morning and early afternoon, it is common to see **office workers** in the park, lounging about on the **benches** as they **talk on their phones**, even working on their laptops in the park.



During lunch breaks, it is common to see office workers walking in the park after eating, but tend not to spend too much time walking, as they face discomfort from the afternoon sun. As majority of the benches in the park are under the shade of trees, **many park-goers tend to rest on the benches** for some time, before carrying on their journeys.



Apart from office workers, other groups can be seen occasionally within the park. **Cyclists and Food Delivery riders are every so often seen** going up and down, using the park as a linkway to their respective destinations.

EVENING

In the evening, **office workers** now mainly use the park as an **easy link to various transport hubs**, such as the nearby bus stops or Expo MRT.

Yet in the evenings, it is more common to see **families** pick up their children from the nearby preschool and **spend time with them in the park**, letting the kids explore, playing games with them, allowing them to play with their classmates from school; generally enjoying themselves and **spending time as a family** before they head home, before the sun sets and the park gets very dark.

