

BY THE PEOPLE, FOR THE PEOPLE

BY THE PEOPLE

COMMUNITY DRIVEN ARCHITECTURE  
vs.  
ARCHITECTURE DRIVEN COMMUNITY

FOR THE PEOPLE

# WHO IS IT FOR?

URBAN DEVELOPMENT: THE MORPHOLOGY OF INTRASTRUCTURE IN TITIWANGSA



70s

EARLY RESIDENTIAL  
AT TITIWANGSA

EARLY RESIDENTIAL  
KAMPUNG BARU

MINING SITE

JALAN PAHANG

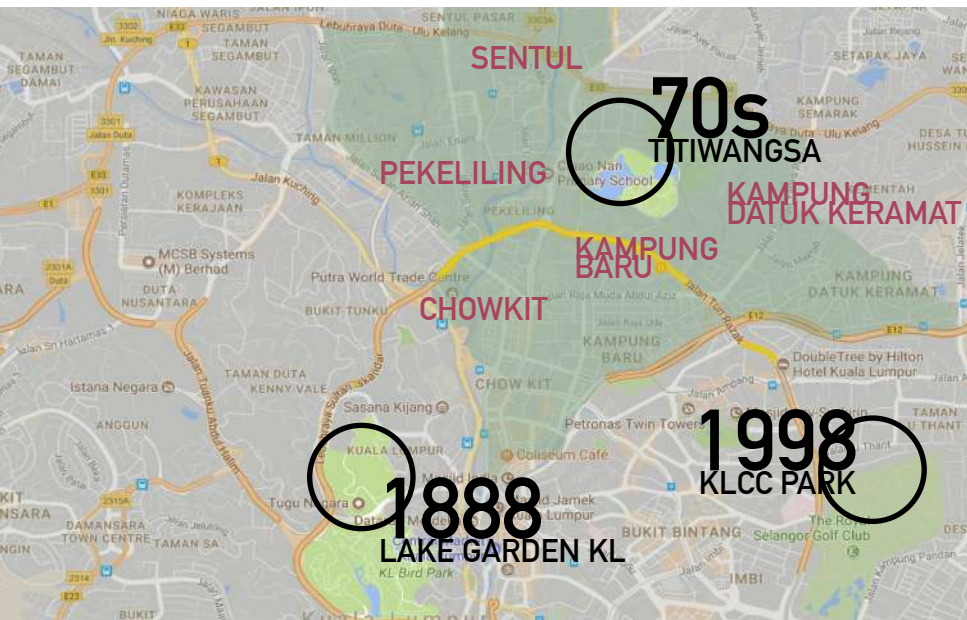
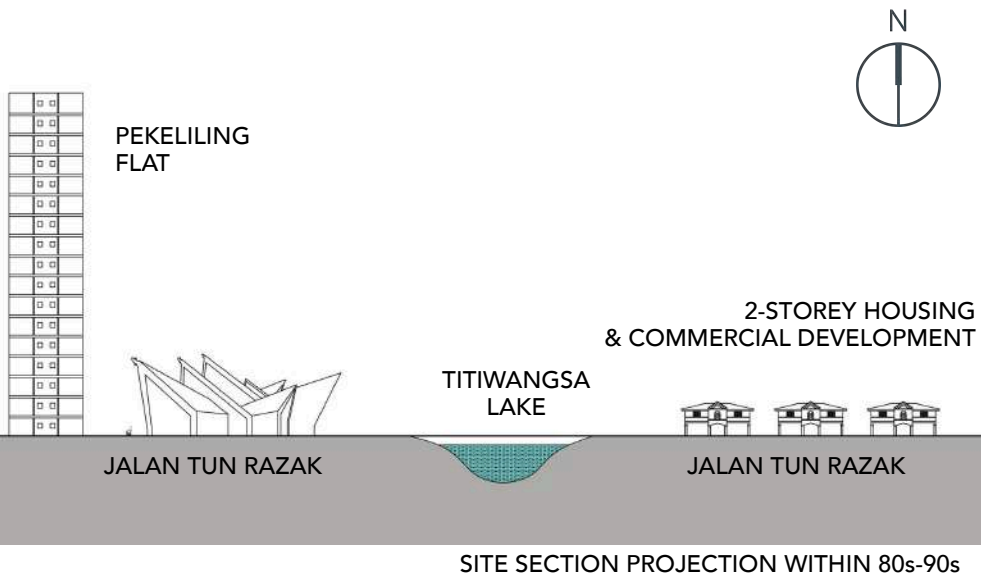
JALAN TUN RAZAK

SITE SECTION PROJECTION 70s



The tin-mining pool in Titiwangsa that lay dormant for years leads to an expansion opportunity of the new land use. The area was transformed into a recreational park during the mid-70s. The dormant space is to support the urban growth.

Jalan Tun Razak was then, the only major road leading to the excavated lake as a service road.



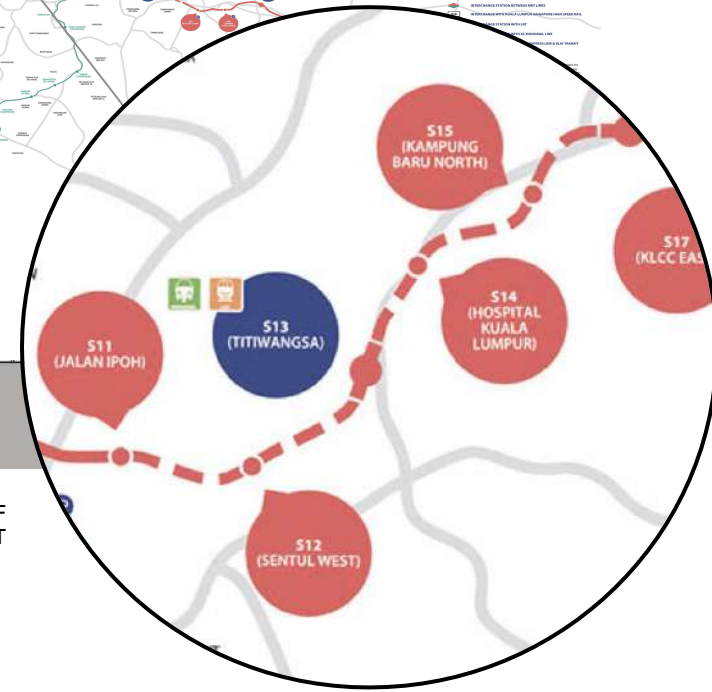
Birth of urban growth, more new buildings were built – residential, commercial, transport and institution. Titiwangsa lake serves as a relief to the high density of development public housing not only within the area but, community living throughout the KL city center.

Jalan Tun Razak was used as the major road that connects community from Kampung Baru, Kampung Datuk Keramat, Sentul and Chow Kit

## HIGH-RISE INSTITUTIONS AND TRANSPORTATION DEVELOPMENT (LRT/MRT)



### SITE SECTION PROJECTION OF THE CURRENT DEVELOPMENT



Apart from a great increase in density of the housing, commercial and institution development within Titiwangsa, there is also an infrastructure improvement. Growth of road and its transportation such as LRT station (and future development: MRT) reached out the people from other side of Kuala Lumpur to Titiwangsa.

# SITE ANALYSIS

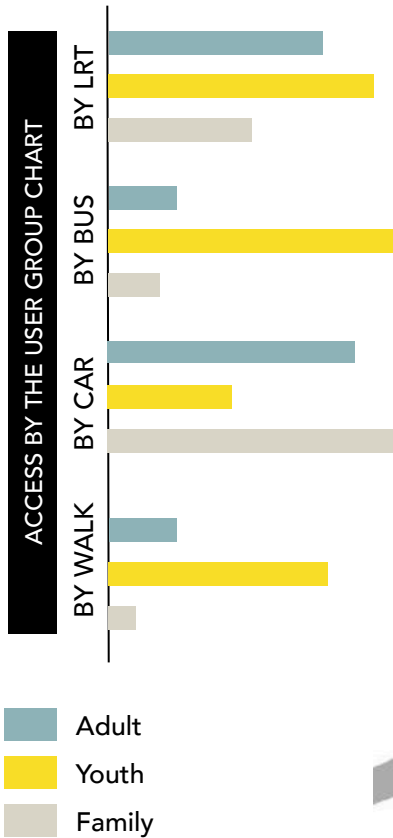


# 01 ACCESS

## ACCESSIBILITY AND WALKABILITY

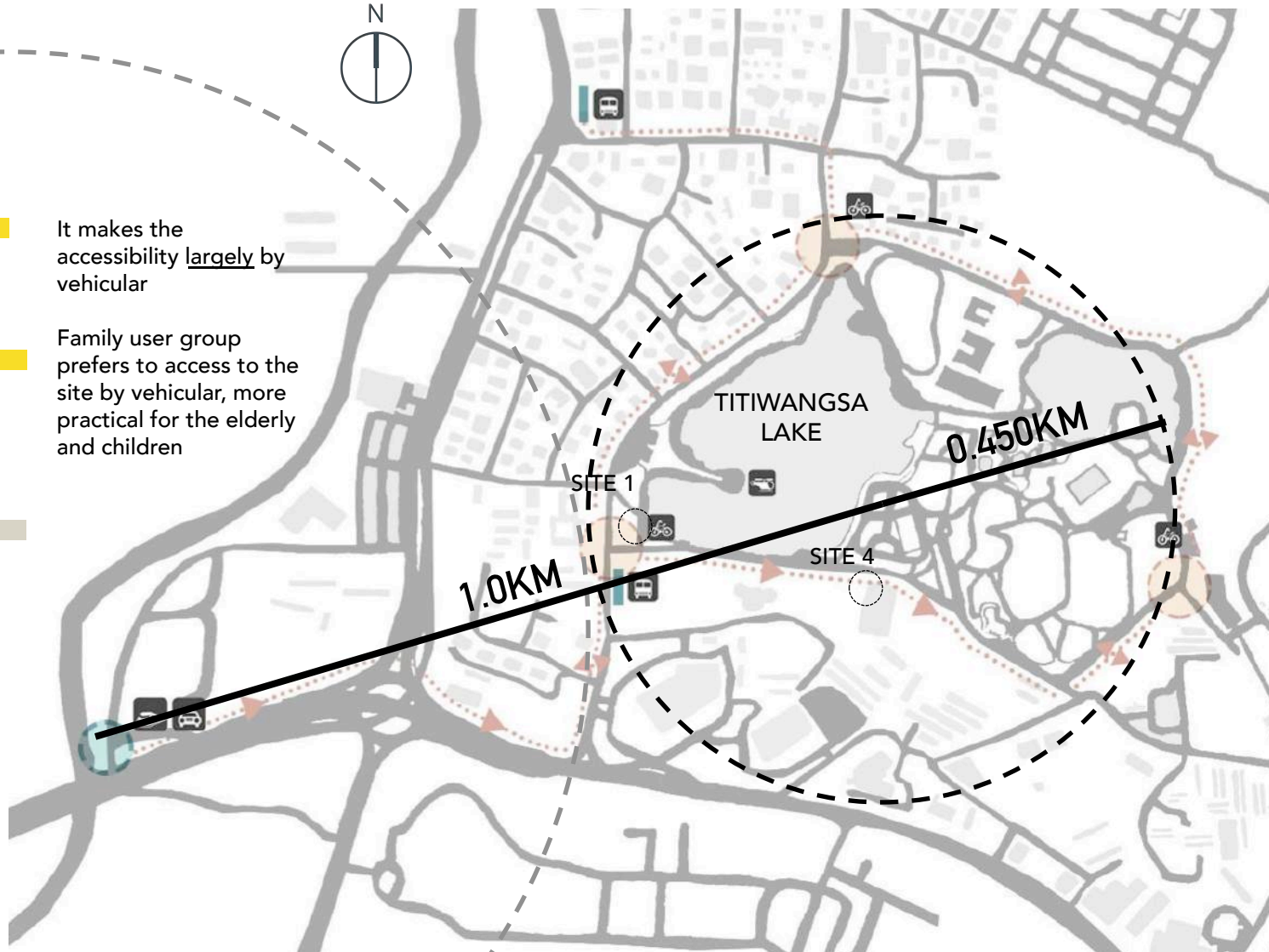
Poor condition of ground level (heat, pedestrian sideways and safety) and its connectivity (the distance) makes access by foot is not pedestrian friendly

- one-way lane
- two-way lane
- vehicular road
- lrt titiwangsa station
- entrance to titiwangsa



It makes the accessibility largely by vehicular

Family user group prefers to access to the site by vehicular, more practical for the elderly and children



# 02 LAND USE

## THE FORMATION OF EDGE

The visual edges that separate the building functions in Titiwangsa create a distinctive results in defining the target user of the park



**HOUSING AREA**  
Target user: Family, Residents

**INSTITUTIONS: SCHOOL AND STUDENT ACCOMODATIONS**  
Target user: Youth, Children

**OPEN AREA (GOLF COURSE)**  
Target user: Adult and sports enthusiast

**TITIWANGSA LAKE**

**SITE 1**

**SITE 4**

**INSTITUTIONS: CULTURAL/ HERITAGE & SPORTS CENTER**  
Target user: Group user that includes culture and arts enthusiast, and sports enthusiast



- not visible and not permeable
- - - visible but not permeable
- . - . visible and permeable

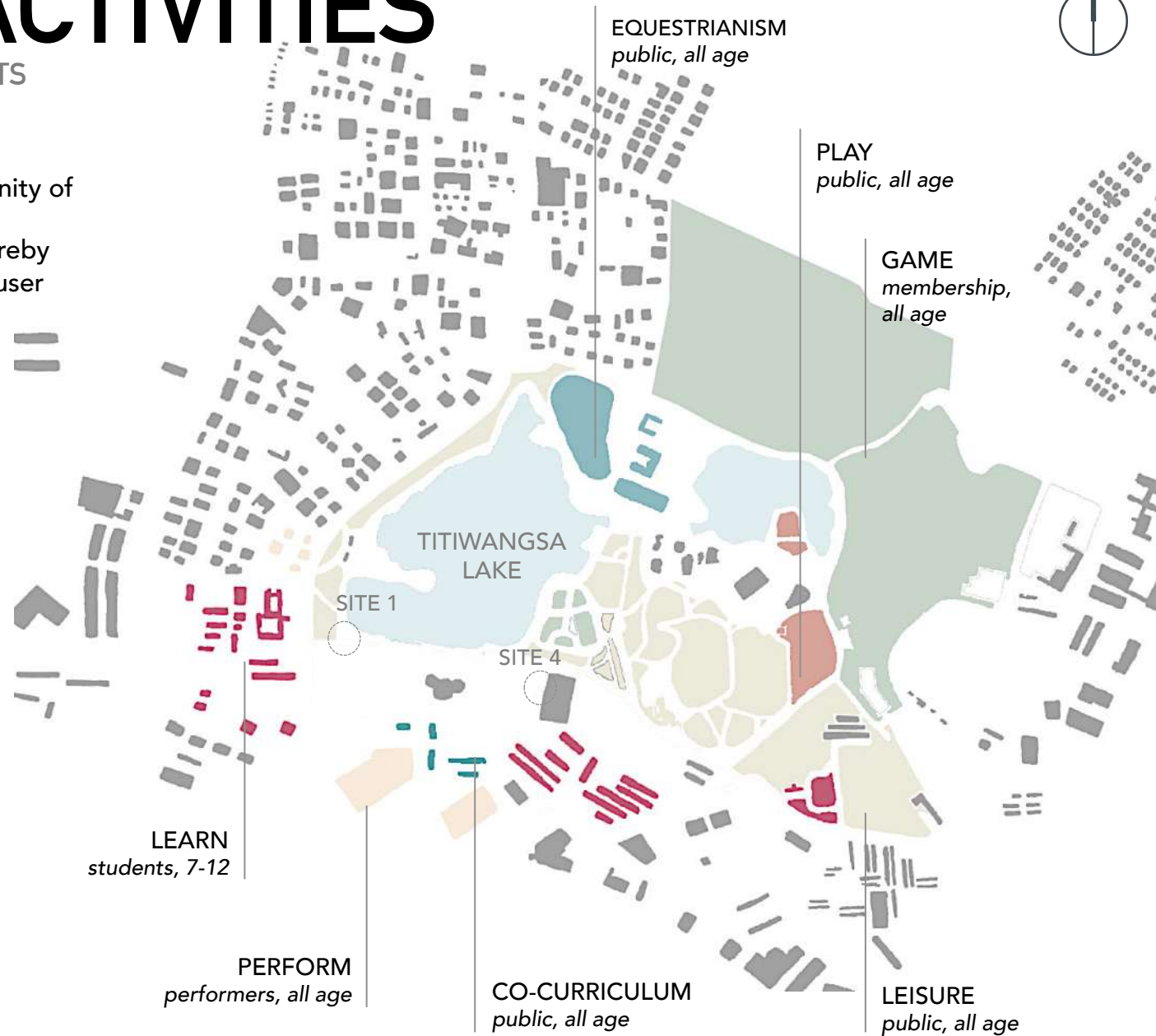


# 03 KEY ACTIVITIES

## THE FORMATION OF DISTRICTS

Human activities within the vicinity of the park define a certain characteristics of districts, whereby each attracts different type of user

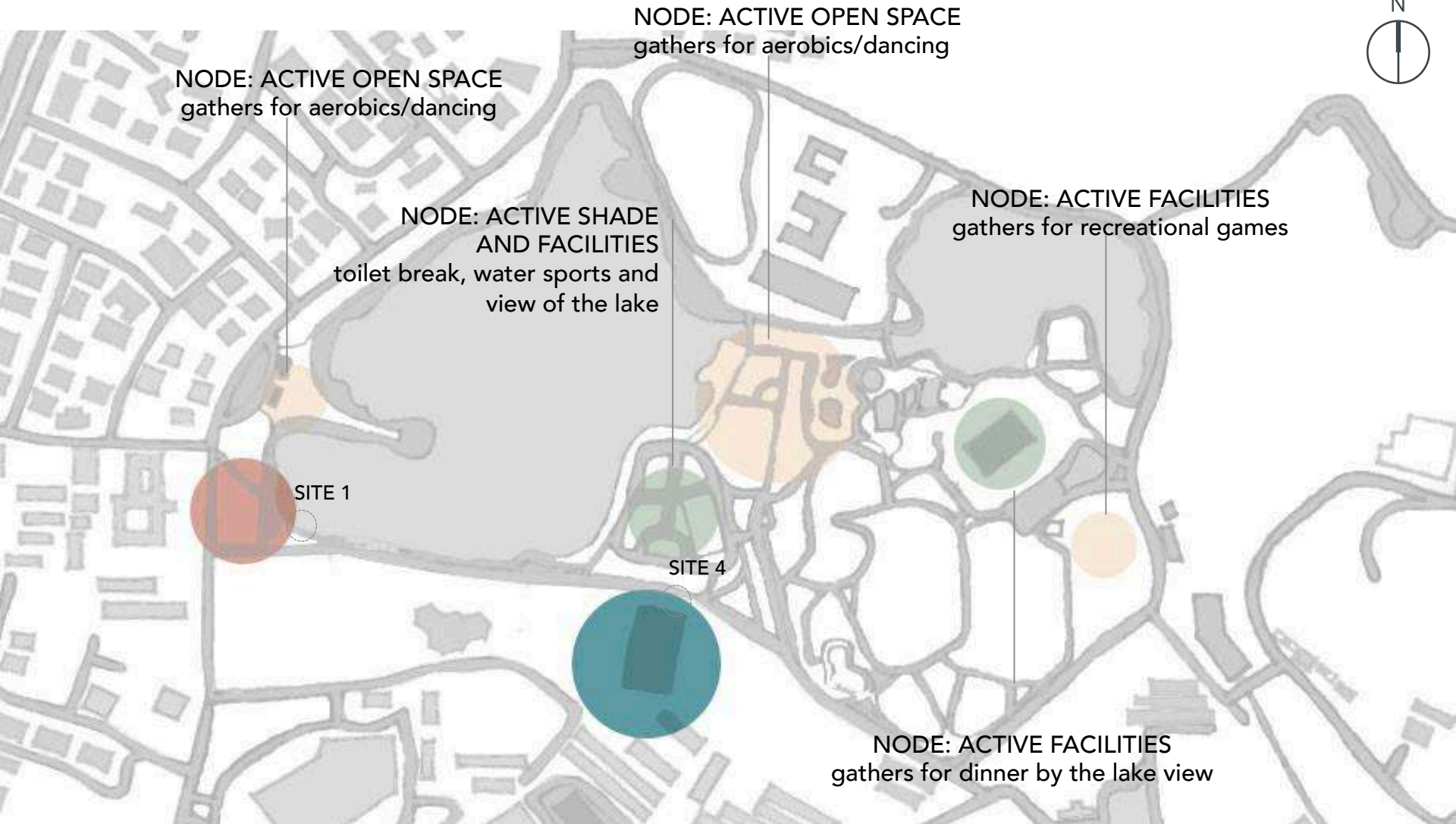
learn	perform
play	equestrianism
game	co-curriculum
leisure	



# 04 HUMAN BEHAVIOURS

ENVIRONMENTAL: STUDY OF NODES THROUGH OBSERVATIONS

morning node  
seasonal night node  
daytime node  
nighttime node



### NODE: ACTIVE OPEN SPACE

Due to environmental factors, well-shaded and good facilities provided, Site 1 is the most preferred by the user group throughout the daytime



morning node  
seasonal night node  
daytime node  
nighttime node



### NODE: ACTIVE FACILITIES

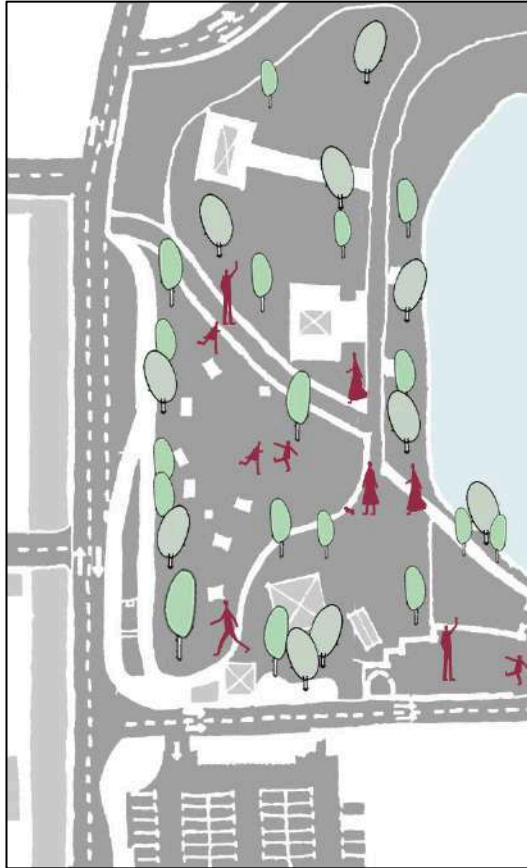
The well-shaded Site 4 which bounded with two prominent buildings in Titiwangsa also offers good shelter during rains and provide various activities during nighttime







9AM



**HIGH DENSITY**

Family sending their kids to the school, adults exercising (aerobic dance), kids cycling, joggers

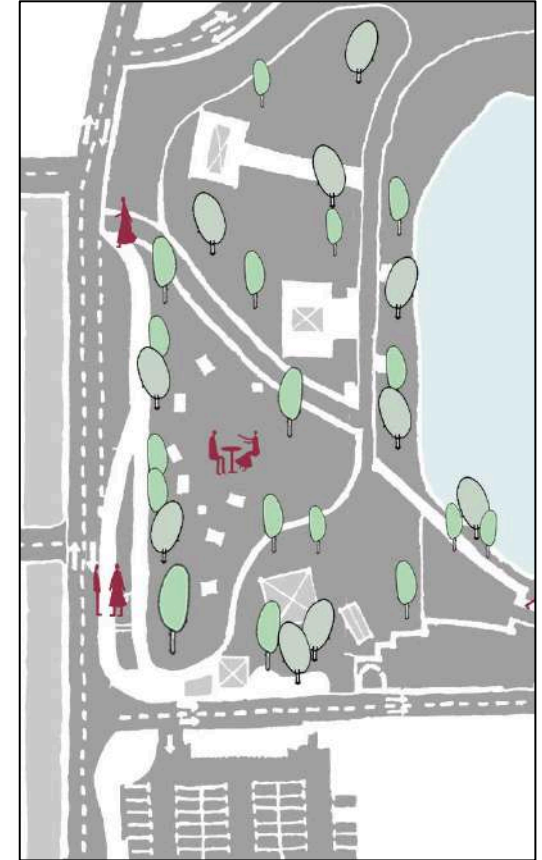
12PM



**HIGH DENSITY**

Adult waiting/picking up their children, sitting and chilling under the hot afternoon sun

3PM



**LOW DENSITY**

Only passersby and couples hang around the area. The weather is hot and humid, unpleasing to the user

Experiential quality of the user throughout the day influence the pattern of the future community to site



9AM



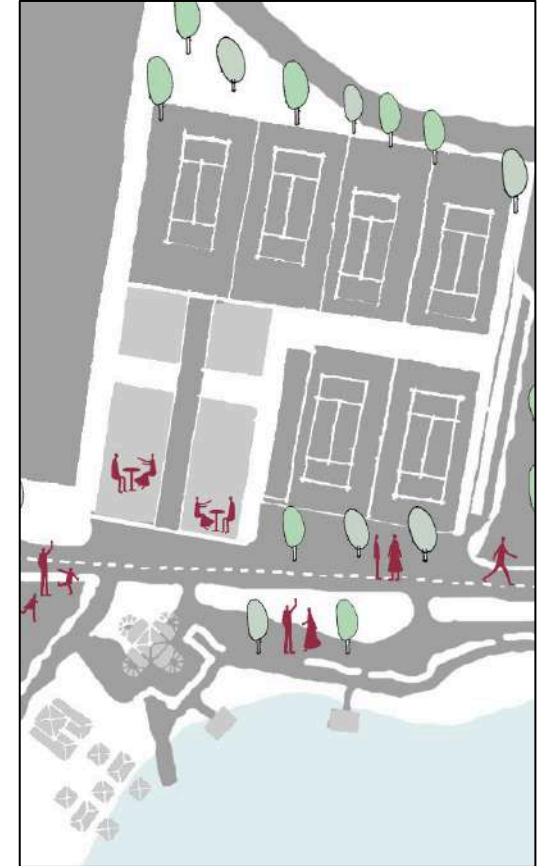
**MODERATE DENSITY**  
Family, adults exercising (jogging)  
and kids cycling but not stopping

12PM



**LOW DENSITY**  
Limited users, mostly passersby

5PM



**HIGH DENSITY**  
Stall operates, family and couples  
gather for dinner. The existing sport  
courts start to be fully  
utilized at that hour

Experiential quality of the user throughout the day influence the pattern of the future community to site



# 05 ZOOM IN

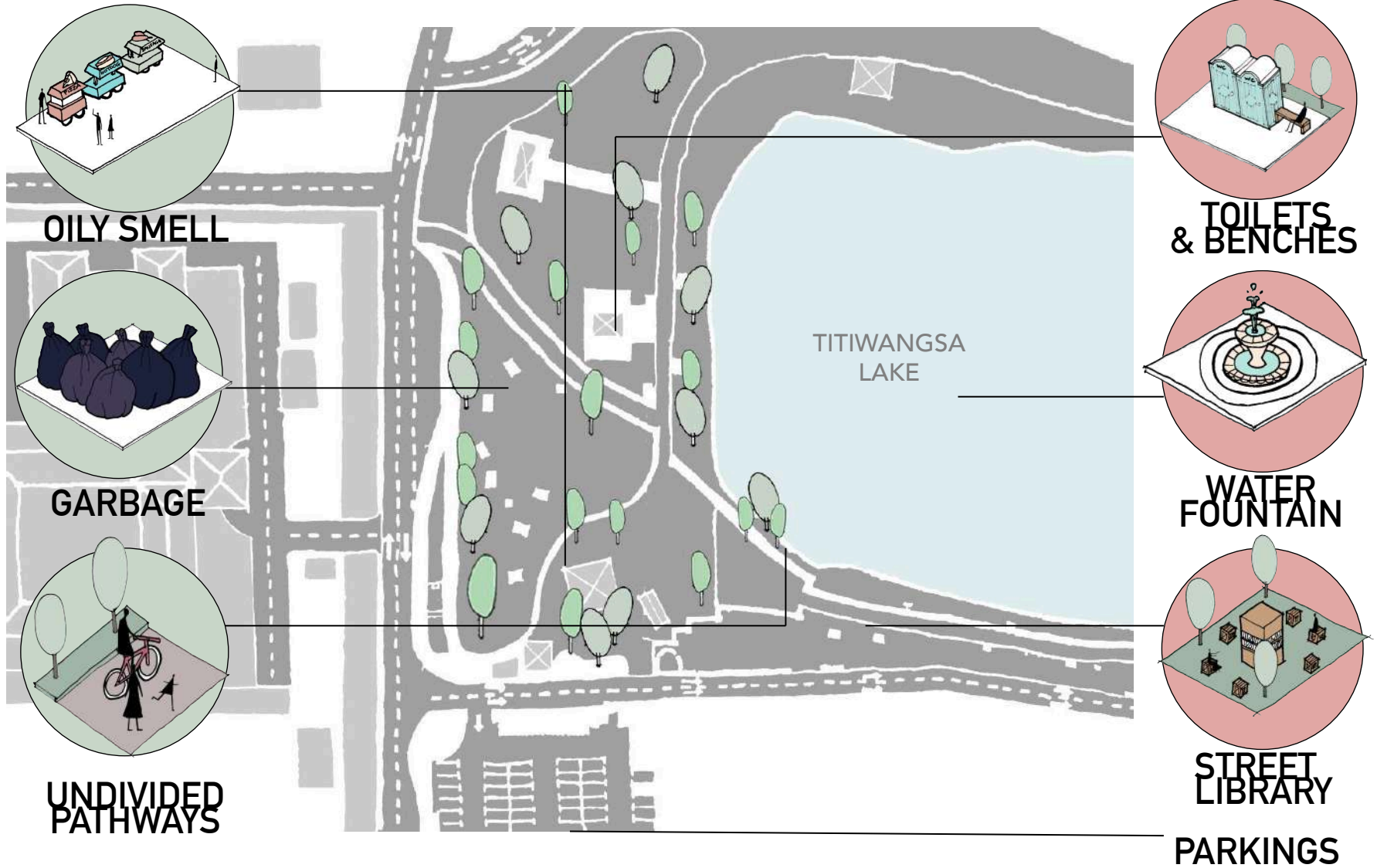
MICRO INTRODUCTION SITE 1



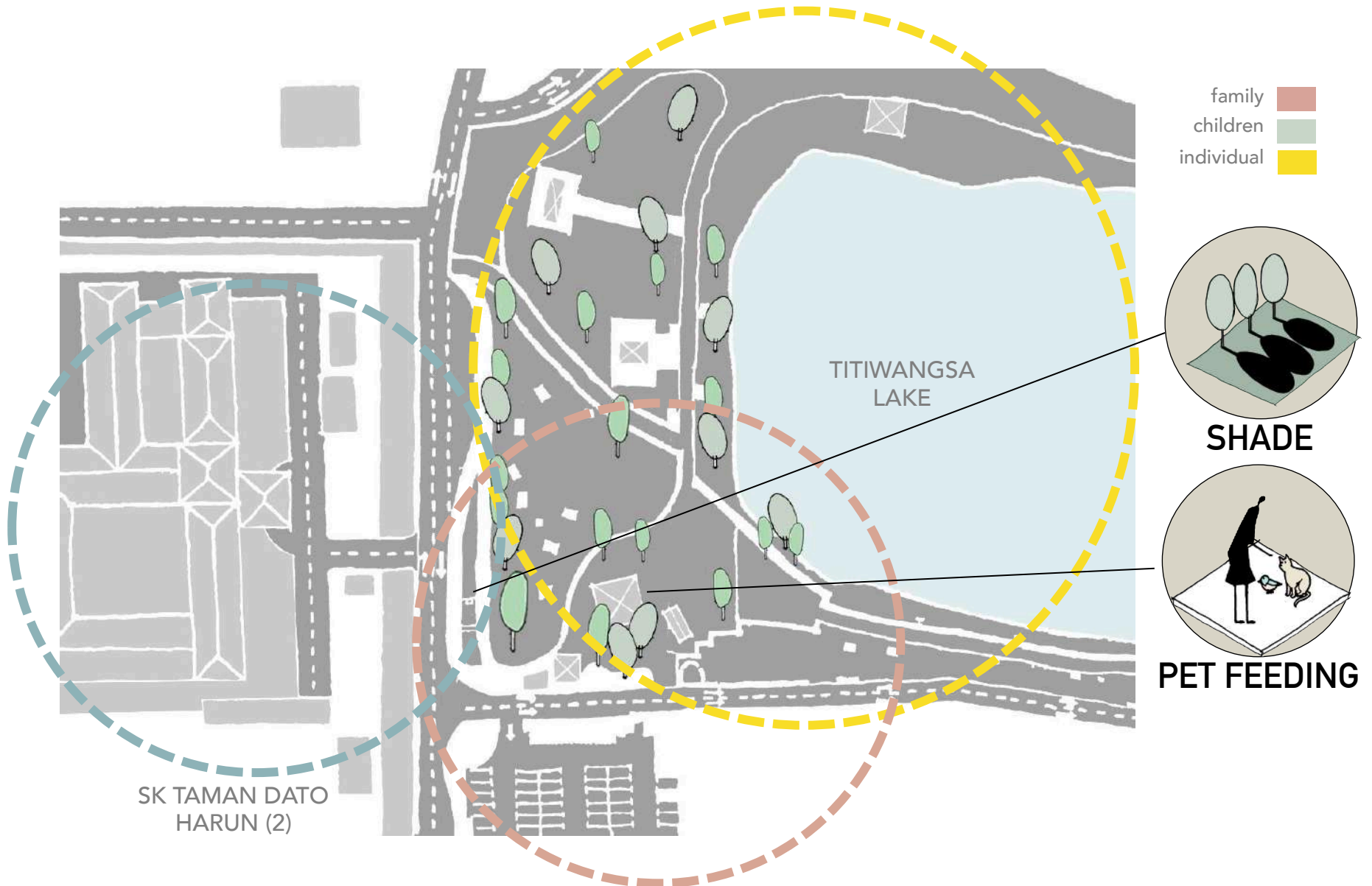
SITE SECTION 1

# PHYSICAL STRUCTURE AND FACILITIES

strength/opportunity ■  
weakness/threat ■



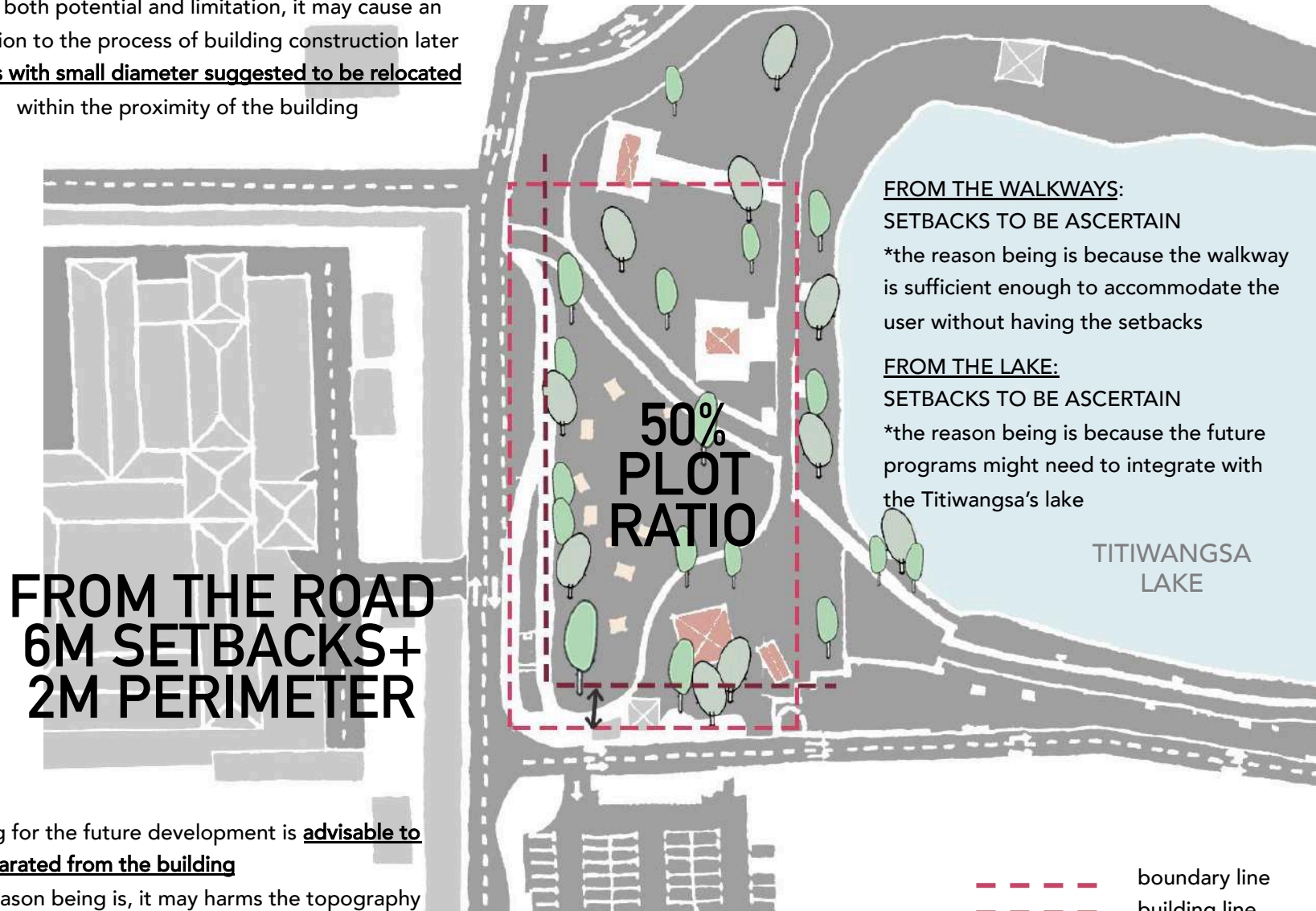
## DEFINING THE USER GROUP AND ITS ACTIVITIES



## LIMITATIONS SITE 1: SETBACKS, BUILDING LINE, PLOT RATIO, PERIMETER



Trees in Site 1 are planted in scattered pattern which can be both potential and limitation, it may cause an obstruction to the process of building construction later on \*trees with small diameter suggested to be relocated within the proximity of the building



Parking for the future development is advisable to be separated from the building

\*the reason being is, it may harms the topography and environment of the park + traffic



VIEWS FROM THE SITE

# THEME: ENVIRONMENT + LANDSCAPE





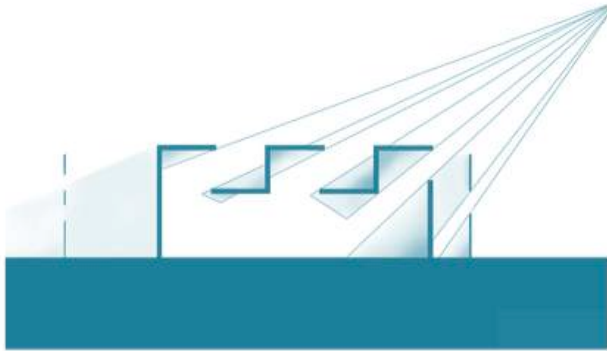
**PRECEDENT STUDY #1 BY ENVIRONMENT:  
VISITOR'S CENTER IN ATAPUERCA**





### INSPIRATION TOOL

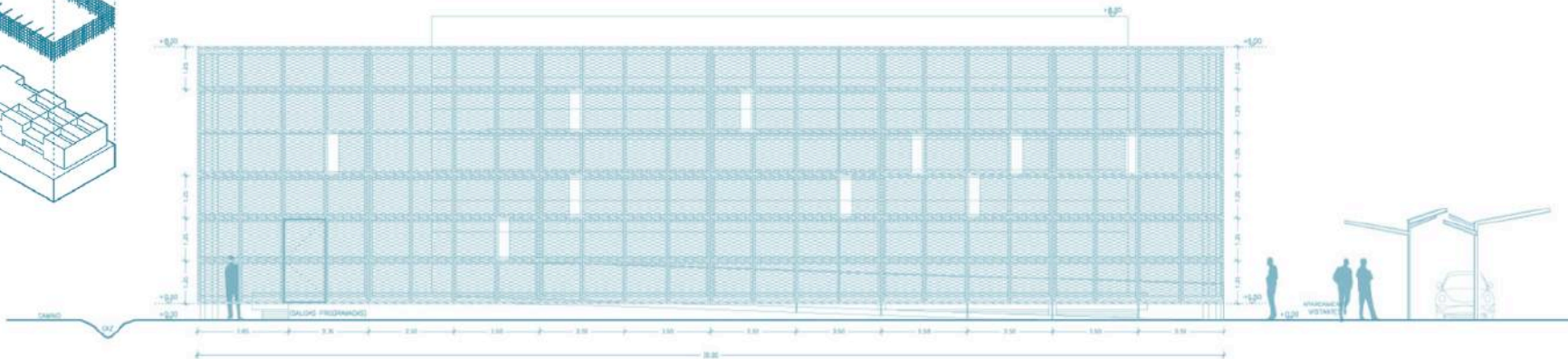
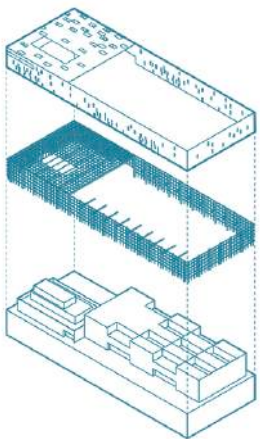
Using the archeological context as the essential part of the design, one of the visual connections to site



### ENVIRONMENT ENGAGEMENT

The layering of the building made of a translucent skin that allow light to penetrate into the building.

The landscape merges well with both exterior and interior of the building.







# FOSSIL HUMID NO GREENERY

VISITOR CENTER  
ATAPUERCA



# SHADED GREENERY

SITE 1  
TITIWANGSA

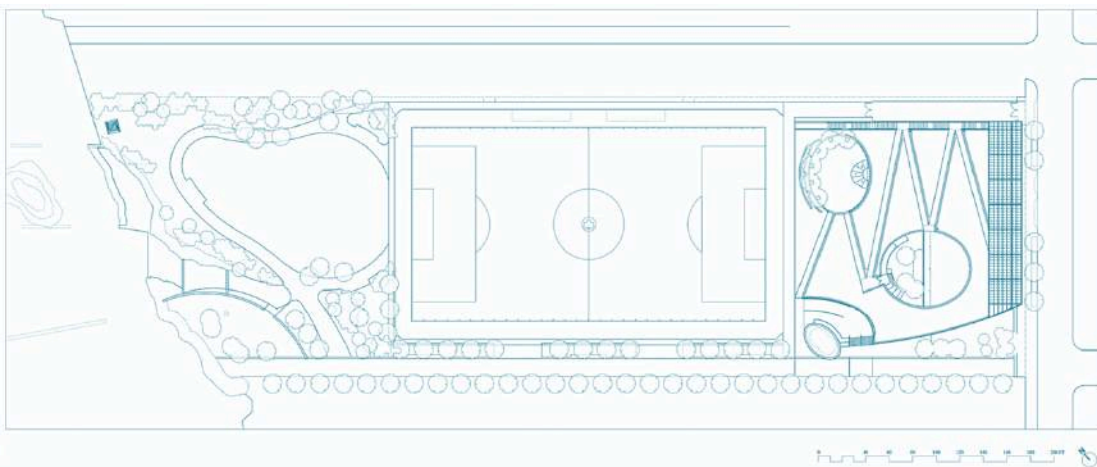
Creates an awareness of the site can be felt on how the building is designed. With an inspiration from the topography itself, located at fossil humid area that almost contain no greenery, Visitor Center in Atapuerca took the challenges and it should be learnt and implement the same to the Site 1 in Titiwangsa, since environment shall be preserved.



**PRECEDENT STUDY #2 BY LANDSCAPE:  
BUSHWICK INLET PARK IN BROOKLYN**





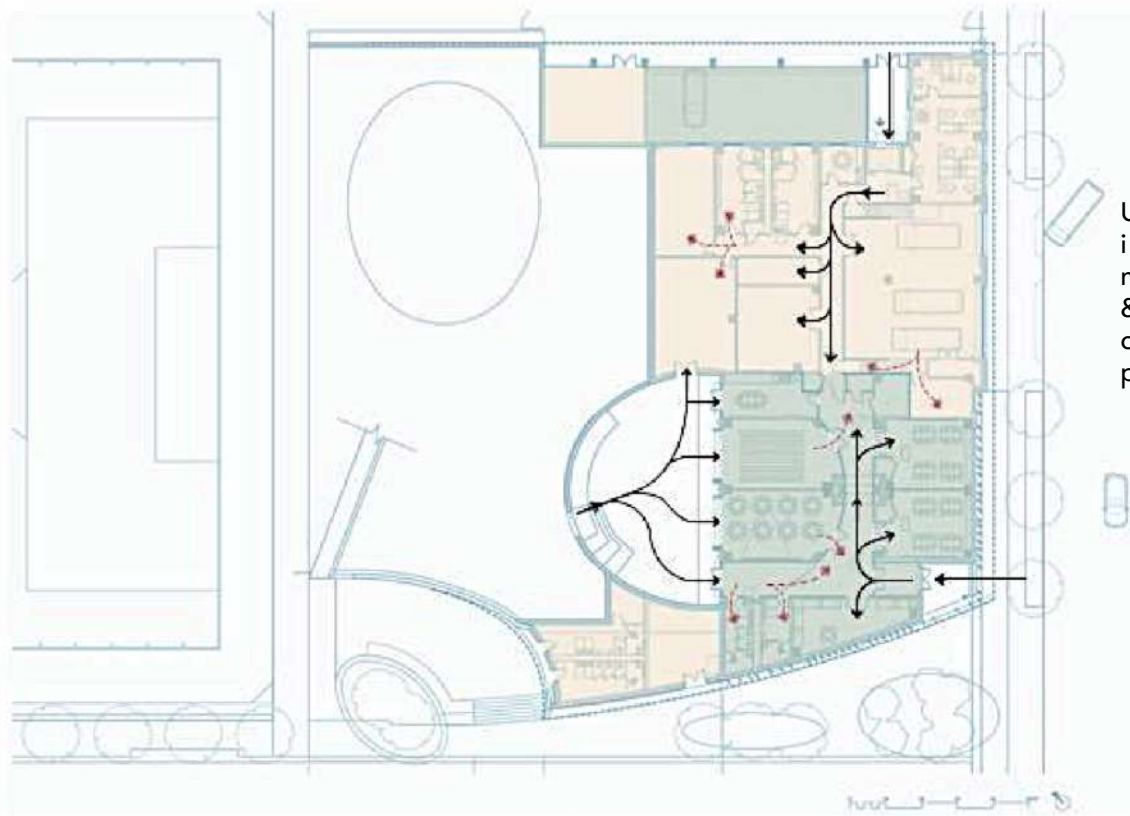


### TOPOGRAPHY AND PROGRAM RELATION

Maximizing the public space with the park by rising up over the building. The slope hill along the building frames up views over the existing football field to the city skyline.







Unique ground floor layout as there is division into sections which is north houses for maintenance facilities for the Department of Parks & Recreation and southern section is community center run by the non profit organization. Each program area has its own separate entrance.

- communal spaces
- private spaces
- primary circulation
- secondary circulation





Bushwick Inlet Park in Brooklyn shows an example of maximizing the public space to the highest potential without extremely destroy the landscape. Since trees shall remained untouched and preserved in Site 1, therefore the design idea of earth-sheltered or any green roof design by the case study should be implemented.



# 06 ZOOM IN

MICRO INTRODUCTION SITE 4

PUBLIC TOILET

SITE 4 / TENNIS COURT

TAKRAW COURT



SITE SECTION 2



TITIWANGSA  
LAKE

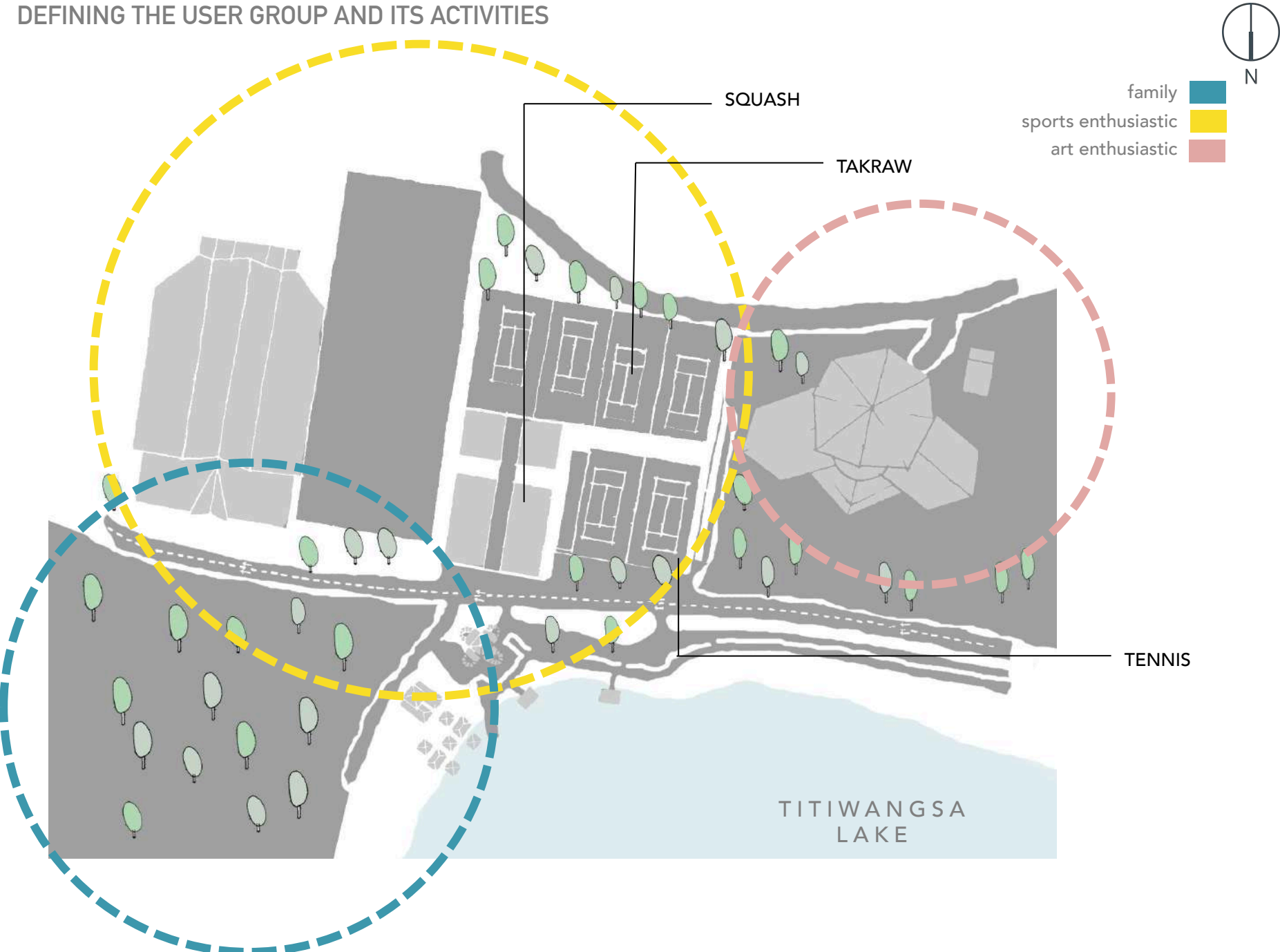
## PHYSICAL STRUCTURE AND FACILITIES

strength/opportunity

weakness/threat



DEFINING THE USER GROUP AND ITS ACTIVITIES



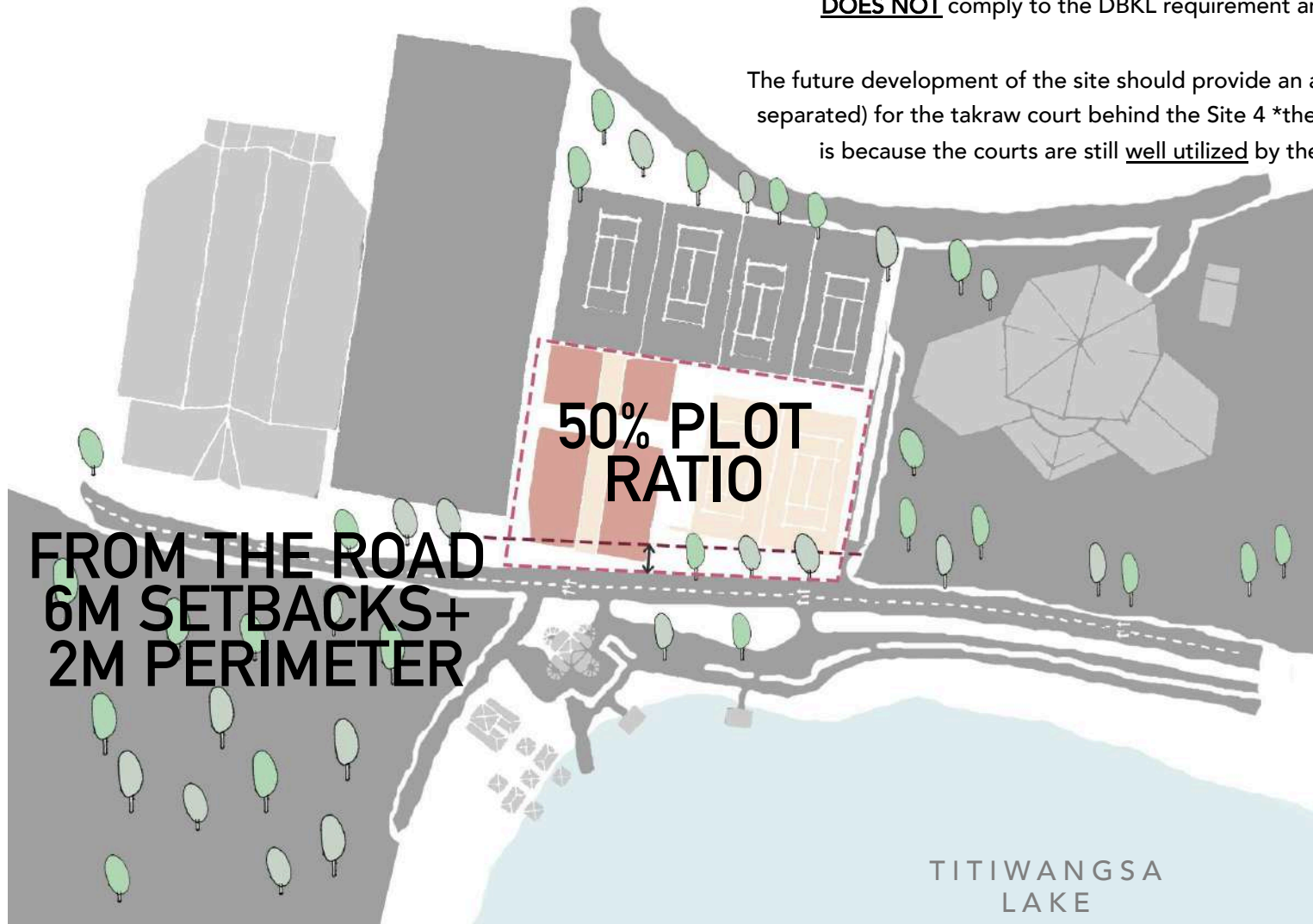


## LIMITATIONS SITE 4: SETBACKS, BUILDING LINE, PLOT RATIO, PERIMETER



The current setbacks of the existing building in Site 4 **DOES NOT** comply to the DBKL requirement and regulations

The future development of the site should provide an access (can be separated) for the takraw court behind the Site 4 \*the reason being is because the courts are still well utilized by the user at night



--- boundary line  
--- building line

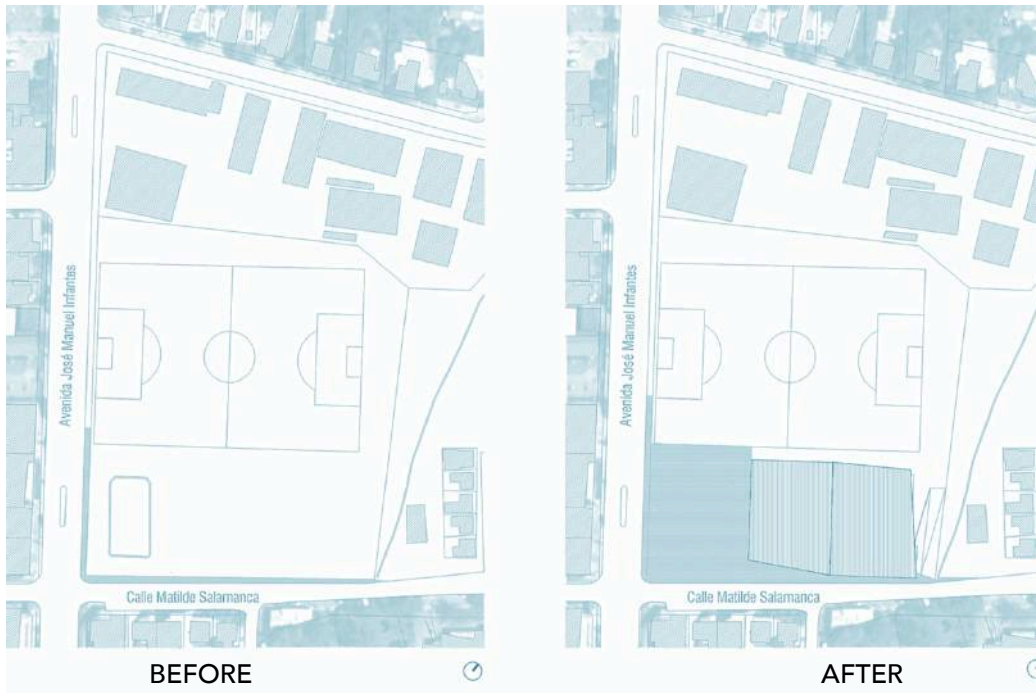
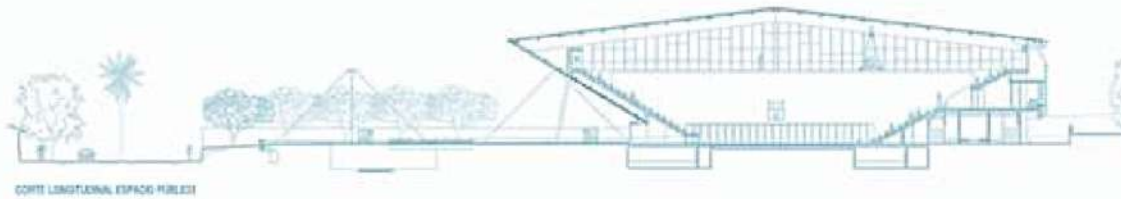
# THEME: PROGRAM + USER TARGET





**PRECEDENT STUDY #3 BY PROGRAM:  
GAME AND RECREATION CENTER IN CHILE**

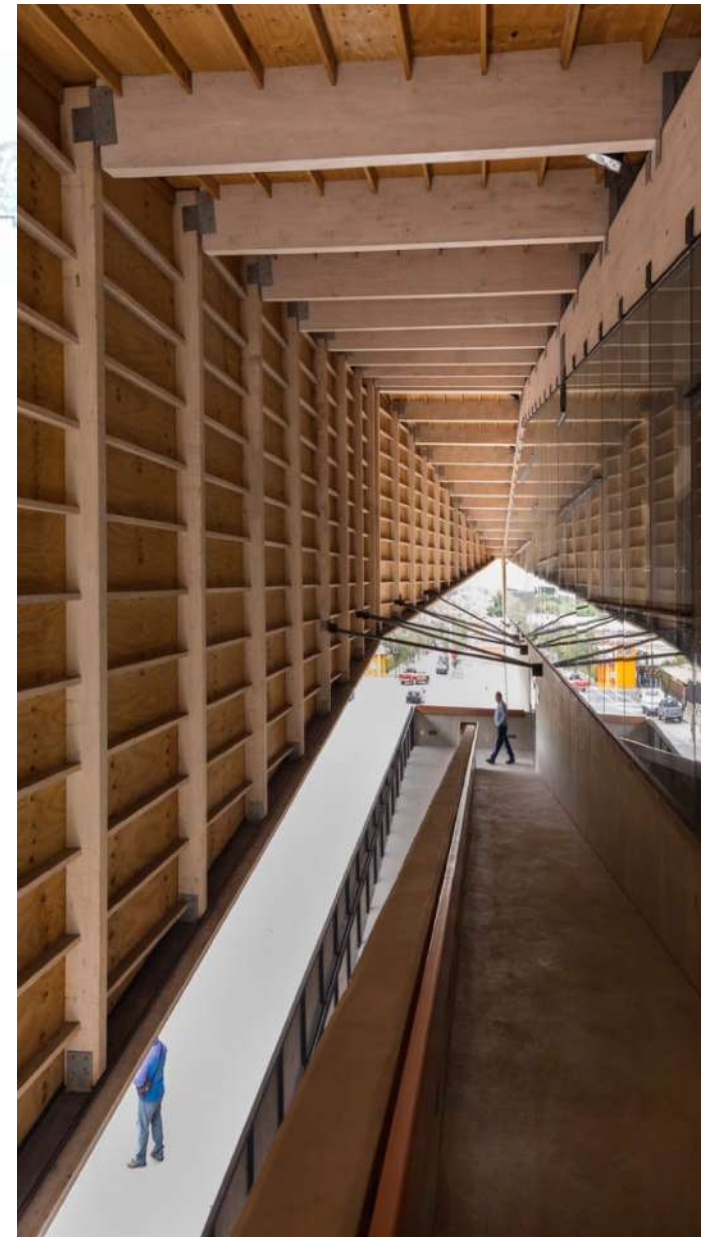




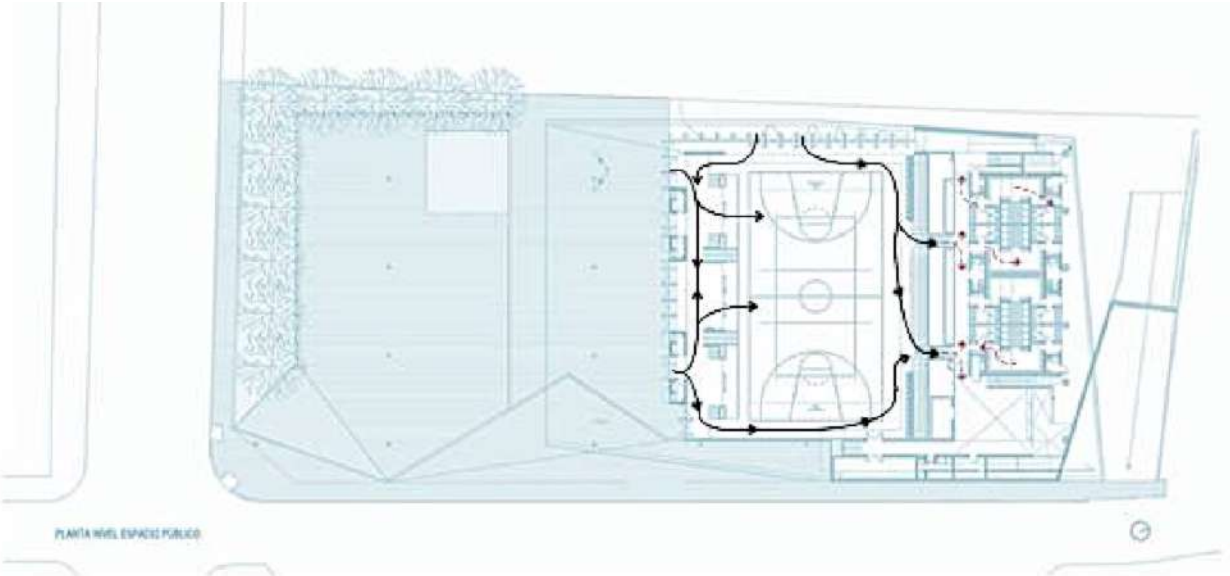
### PROGRAM ENGAGEMENT

A sport esplanade to the public content in which the built geometry of the new gym replaces the boundary walls, activating the borders in-between old site division, with different purposes, paths and access.

The ground proposal is open to the pedestrian walkways, incorporating the original sites to the public paths and users.



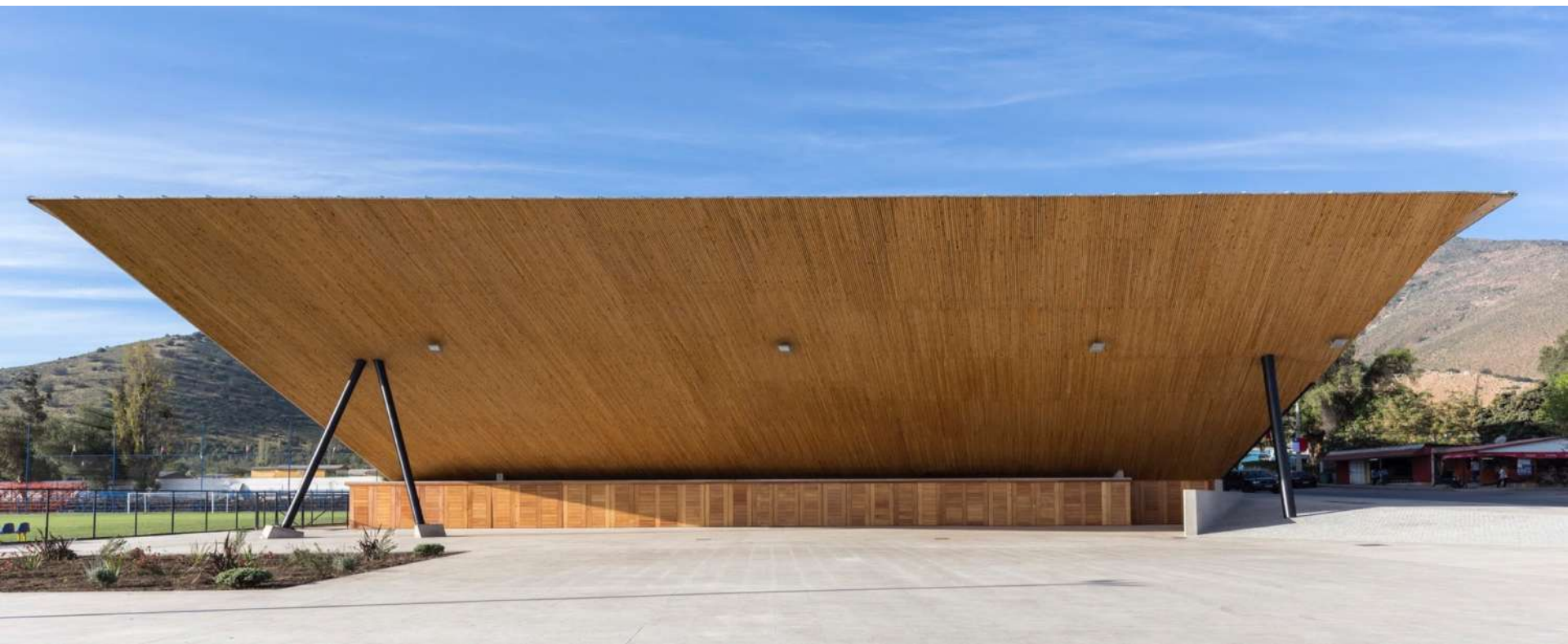




Specific modification based on observation and opportunities were given to the site. Maximizing the user use by using the protruding shape as part of the sun-shading elements.

Constructed the building with an engagement of the existing site, activating the borders – creating the spatial experiential more define.

primary circulation ———  
secondary circulation - - - - -



# RE-USE LAND MAXISPACES

GAME & RECREATION CENTER  
CHILE

# MIXED USE GROUPSSPORT

SITE 4  
TITIWANGSA

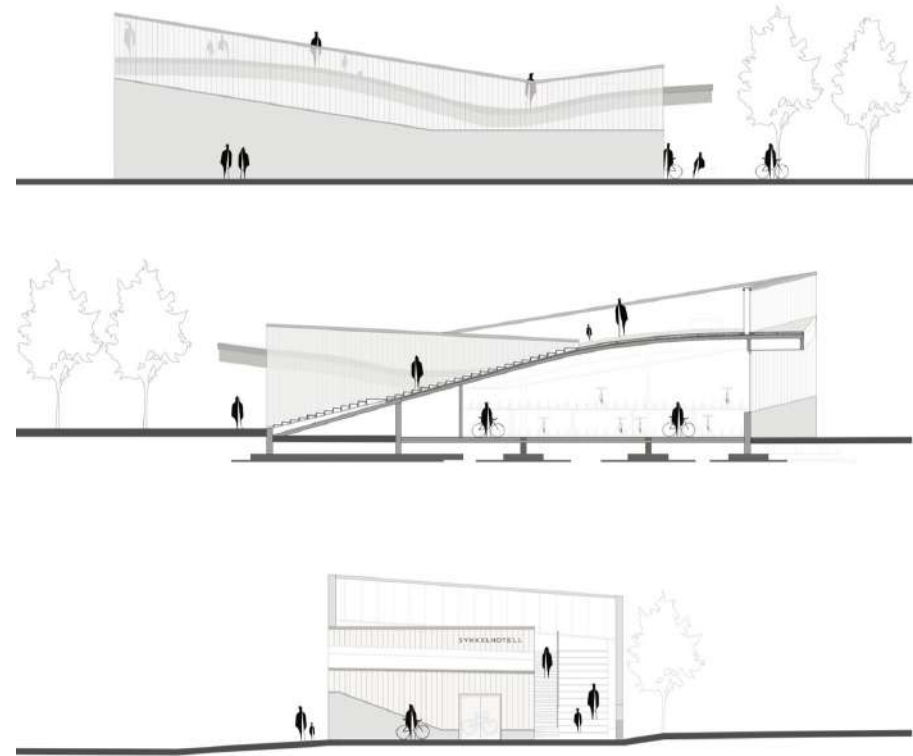
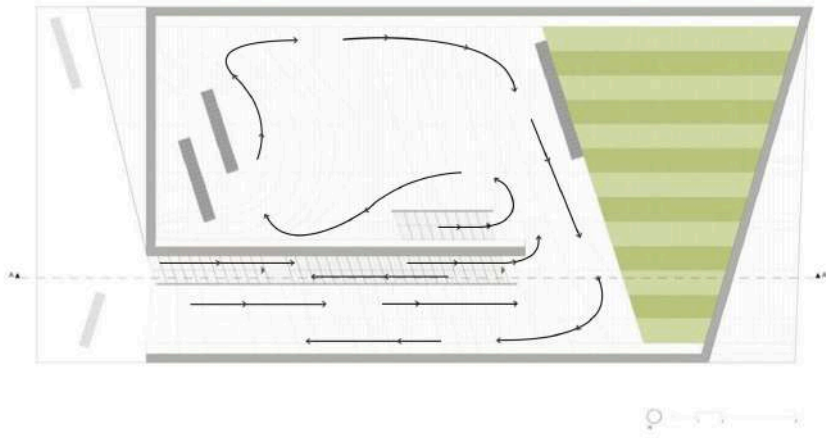
Game & Recreation Center in Chile was used as an activated sport area such as swimming and football. The idea of re-use the existing site is something should be implemented in Site 4, Titiwangsa since it was lack of maintenance and abandon for years, the building need to rebuilt to attract the target user, to revive and activate the place again.



**PRECEDENT STUDY #4 BY PROGRAM:  
BICYCLE HOTEL LILLESTROM**





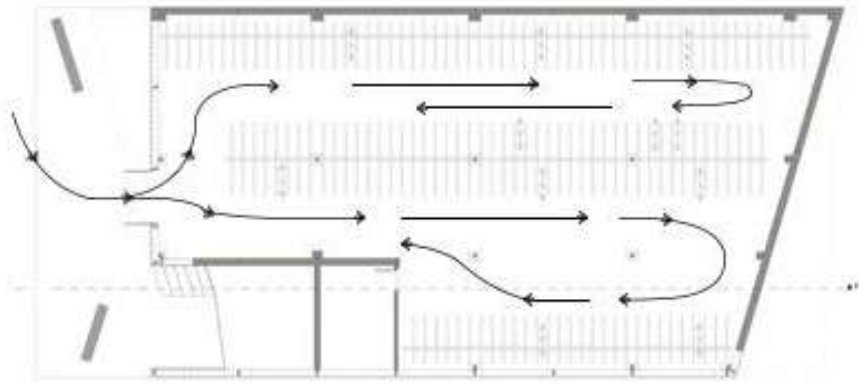


### SITE CONTEXT RELATION

Focuses on making of positive contribution to the city by designing a public green rooftop that offers better hospitality for the cyclists.

The building however managed to solve the major issue in the city by providing a sufficient parking spot/area, with care, for the specific user.

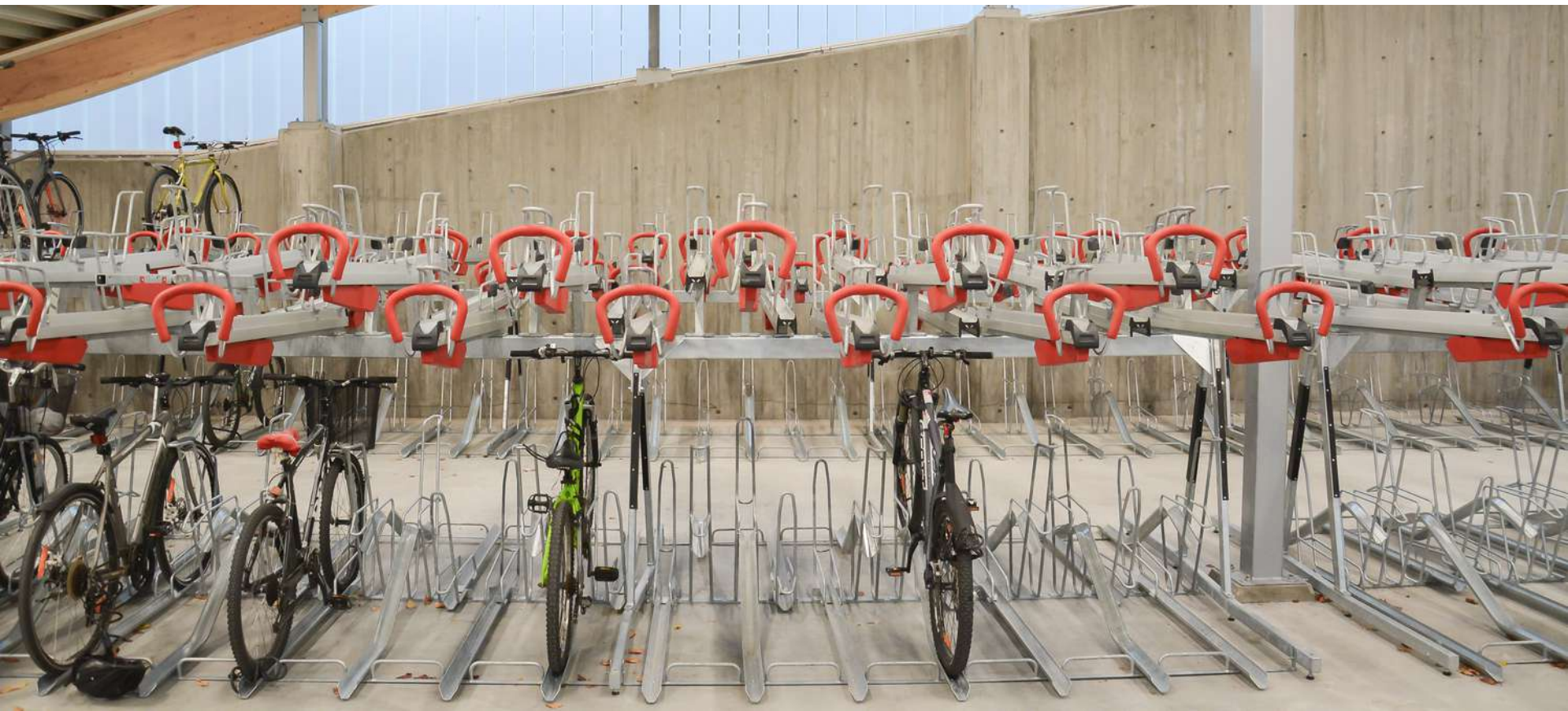




### PROGRAMMATIC SPACES

Interior spaces that focuses on the function of the building with light and natural surfaces, able to offer a good care of the bicycle.

Simple configuration of the spaces were intended as to ease the movement of the cyclist with their bicycle within the spaces given.







With the small zrea located in the city, Bicycle Hotel Lillestrom managed to tackle the issue by providing a better hospitality for the cycling enthusiast. The future development in Site 4, Titiwangsa shall implement the idea of offering better equipment for the desired user as can be learnt through the case study. The spatial configuration of the bicycle hotel also can be learnt as it ease the movement of user accessibility within the compound.



SO WHO IS IT  
FOR, ACTUALLY?

SO WHO IS IT  
FOR, ACTUALLY?

**CURRENTLY?**

SPORTS/CULTURAL  
ENTHUSIASTICS  
RESIDENTS

SO WHO IS IT  
FOR, ACTUALLY?

**CURRENTLY?**

FAMILY  
INDIVIDUALS

ADULT  
CHILDREN



WHO IS IT  
FOR, ACTUALLY?

**IN THE FUTURE?**

KTM/MRT/LRT: FROM  
SUNGAI BULOH

SENTUL

TITIWANGSA

PEKELILING

JALAN TUN RAZAK

CHOWKIT

KAMPUNG  
BARU

JALAN PAHANG

KTM/MRT/LRT:  
TO KLANG/SERDANG



TARGET USER:

**YOUTH**



# 07 PROPOSE PROGRAMS SITE 1

(VISITOR'S & ACTIVITY PARK CENTER)

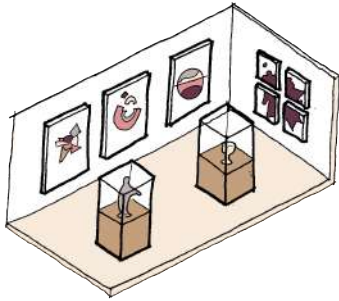






**WHY?**

## VISITOR CENTER AND GALLERY



## PUBLIC PERFORMING SPACE

## REST AREA WITH FOOD AND BEVERAGES

### SITE ENGAGEMENT

- Influenced by neighbouring context: student from school and Istana Budaya.
- Site 1 is located one of the Titiwangsa's entrance and good opportunity to provide an introduction of the site to the visitors

### SITE CONDITION

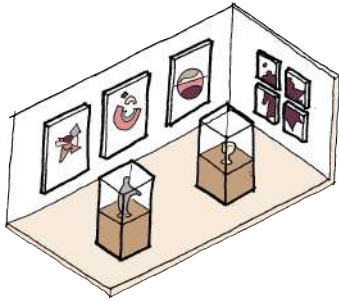
Trees, as part of the inspirational tool inspired by the Landscape theme, by the scenery views

### FUNCTION

- Introduction and history of Titiwangsa
- Displaying arts piece and act as a gallery
- Suggesting traditional games to be execute here due to visual connection



## VISITOR CENTER AND GALLERY



### SITE ENGAGEMENT

- Influenced by neighbouring context: student from school and Istana Budaya.
- Site 1 is located one of the Titiwangsa's entrance and good opportunity to provide an introduction of the site to the visitors

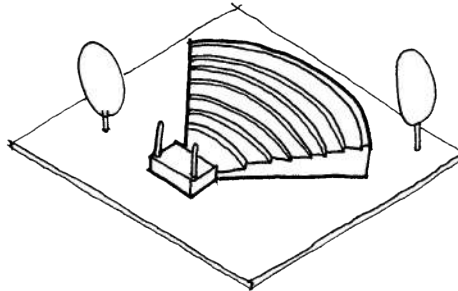
### SITE CONDITION

Trees, as part of the inspirational tool inspired by the Landscape theme, by the scenery views

### FUNCTION

- Introduction and history of Titiwangsa
- Displaying arts piece and act as a gallery
- Suggesting traditional games to be execute here due to visual connection

## PUBLIC PERFORMING SPACE



### SITE ENGAGEMENT

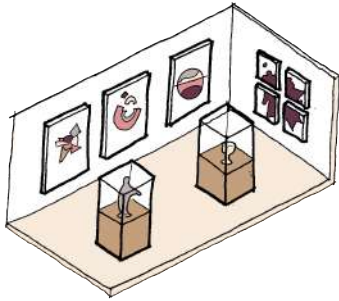
Influenced by neighbouring context: student from school and Istana Budaya.

### FUNCTION

- Opportunity for the public to express their creativity in any platform
- Performers to practices their performances beforehand in outdoor condition/environment
- Apart of school integration, as study tool and exposure of the students to the outside world

## REST AREA WITH FOOD AND BEVERAGES

## VISITOR CENTER AND GALLERY



### SITE ENGAGEMENT

- Influenced by neighbouring context: student from school and Istana Budaya.
- Site 1 is located one of the Titiwangsa's entrance and good opportunity to provide an introduction of the site to the visitors

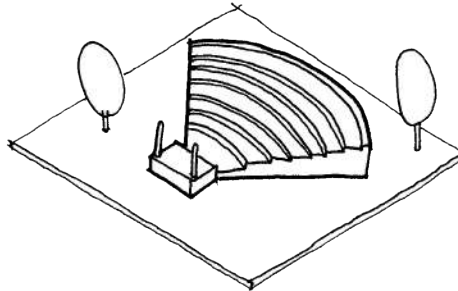
### SITE CONDITION

Trees, as part of the inspirational tool inspired by the Landscape theme, by the scenery views

### FUNCTION

- Introduction and history of Titiwangsa
- Displaying arts piece and act as a gallery
- Suggesting traditional games (making kite, gasing, etc) to be execute here due to visual connection

## PUBLIC PERFORMING SPACE



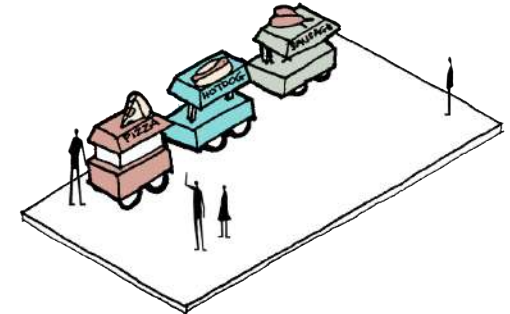
### SITE ENGAGEMENT

Influenced by neighbouring context: student from school and Istana Budaya.

### FUNCTION

- Opportunity for the public to express their creativity in any platform
- Performers to practices their performances beforehand in outdoor condition/environment
- Apart of school integration, as study tool and exposure of the students to the outside world

## REST AREA WITH FOOD AND BEVERAGE



### SITE ENGAGEMENT

Influenced by neighbouring context: student from school/parents waiting for their children in afternoon

### SITE CONDITION:

Well-shaded, user able to feel and sit comfortably despite being under the hot sun since tree acts as the shelter

### FUNCTION

- Creates a pit stop for joggers/family to have a break while exercise
- The gathering point
- Caters food & beverage to complements the idea of visitor's center

# 08 PROPOSE PROGRAMS SITE 4

(GAMES AND RECREATION CENTER)

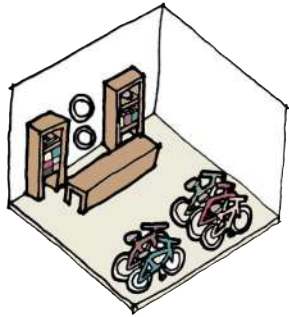






WHY?

## BICYCLE HUB

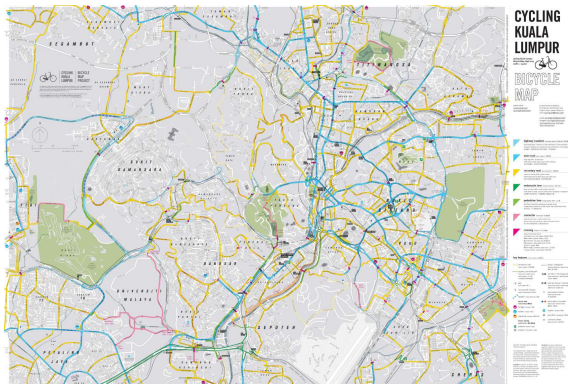


## INDOOR SPORT CENTER

## EXTREME SPORT

### FUNCTION

- Promoting sports that is not available on the site yet as to reach out the potential user: cycling enthusiastic
- Provide basic services as fixing, repairs and learning sessions
- Providing service activities 'Ride Out' to Kuala Lumpur City





For practices, distribution is just  
being made, please contact  
email [info@pittman.com](mailto:info@pittman.com)

wie cyclisch, biologisch,  
irregulär, geringfügig, fast,  
fortschreitend, hoch,  
Häufigkeit

Copyright © 2004 by John Wiley & Sons, Inc.

**road** /roʊd/ noun  
a public way for travel; highway

**Larve** (young, immature) (Larve 2)

**large** having greater depth or size

100% satisfaction guarantee  
with 30-day money back guarantee  
100% satisfaction guarantee

© 2004 Blackwell Publishing Ltd  
Journal of Internal Medicine 255: 105–112

```
for i in $(seq 1 10); do
    echo "Loop iteration $i"
done
```

作者  
 Richard Poppo 教授 / 人力资源管理  
 Maria Chiriac / 博士研究

\_\_\_\_\_ [volunteer@volunteering.nl](mailto:volunteer@volunteering.nl)  
 Amsterdam, 1000, April 1, 2014

●● [velli-gradhara-i-matanyah](#)  
[shimon-levich-apri-otom](#)  
 2.8.2015-15:22:35

▶ pairing stations & better views each & tender

 Google Scholar

- **hospital / hospital**
- **and with / and with**
- **community / community**

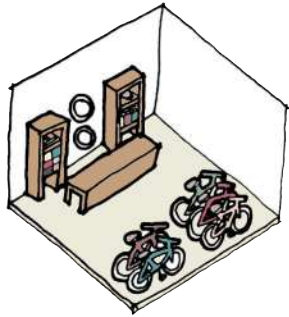
**Warning:** This may be prohibited in your jurisdiction and may be used to take action against you.

that wrapped into itself by spiral  
lines, a subtle but most evocative  
writing technique. I suspect that  
writing like this is the only method  
that can be different from the  
the representation of the property

and they also noticed the bones of a  
suggested species. Spirit of your own  
time, both, and I hope it brings



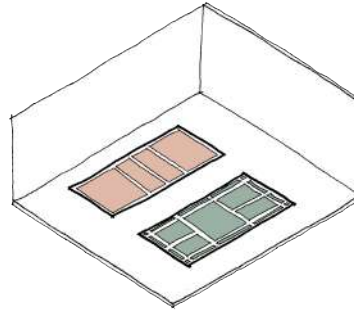
## BICYCLE HUB



### FUNCTION

- Promoting sports that is not available on the site yet as to reach out the potential user: cycling enthusiastic
- Provide basic services as fixing, repairs and learning sessions
- Providing service activities 'Ride Out' to Kuala Lumpur City

## INDOOR SPORT CENTER



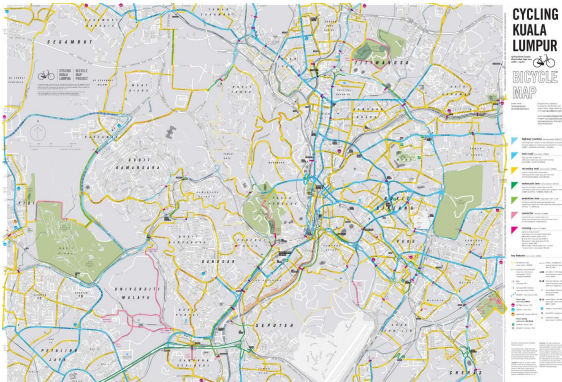
### FUNCTION

- Maximizing the area in the Site 4 as it able to cater multipurpose court: basketball, futsal, takraw, netball
- Providing a service that caters for an integration with the neighbouring schools in Titiwangsa

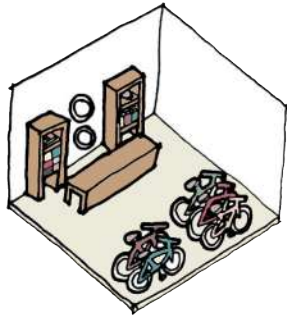
### ADAPTING FACILITIES

- Reporter's room
- Shared Room
- Gym (machines)

## EXTREME SPORT



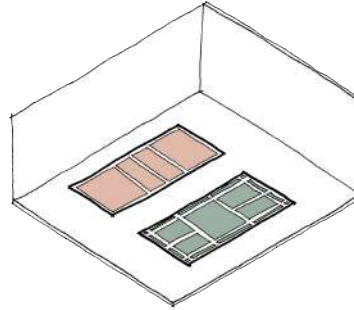
## BICYCLE HUB



### FUNCTION

- Promoting facilities that is not available on the site yet as to reach out the potential user: cycling enthusiastic
- Provide basic services as fixing, repairs and learning sessions
- Providing service activities 'Ride Out' to Kuala Lumpur City

## INDOOR SPORT CENTER



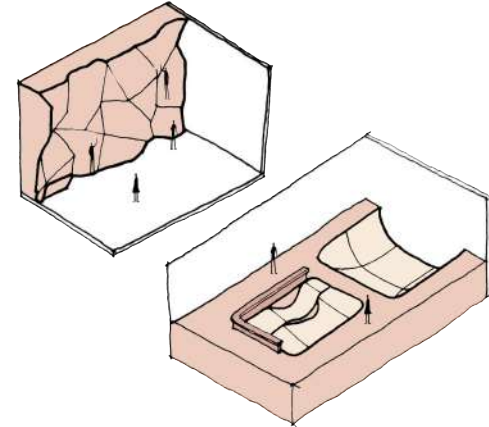
### FUNCTION

- Maximizing the area in the Site 4 as it able to cater multipurpose court: basketball, futsal, takraw, netball
- Providing a service that caters for an integration with the neighbouring schools in Titiwangsa

### ADAPTING FACILITIES

- Reporter's room
- Shared Room
- Gym (machines)

## EXTREME SPORT

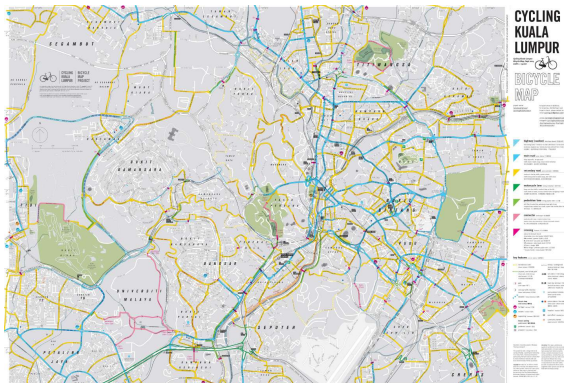


### TPOLOGY

The typology of the Site 4 area is for indoor games due to site constrain: no visual connection with the neighbouring context

### FUNCTION

- Promoting sports that is not available on the site yet as to reach out the potential user: youth-oriented
- Maximizing the area that offers indoor extreme sports such as rock climbing, bouldering, skateboarding, trampoline



TRADITIONAL GAMES?





MS FADZWIN

ALAN KOO KA LOK

ESTER LIU QIU QIU

LEONG YU SHI

LIM MING CHECK

LUM SI CHU

MUHAMMAD IZZAT

NURIN ABDULLAH

TANG WEI XIN

SARAVANAN VYTELIGUM