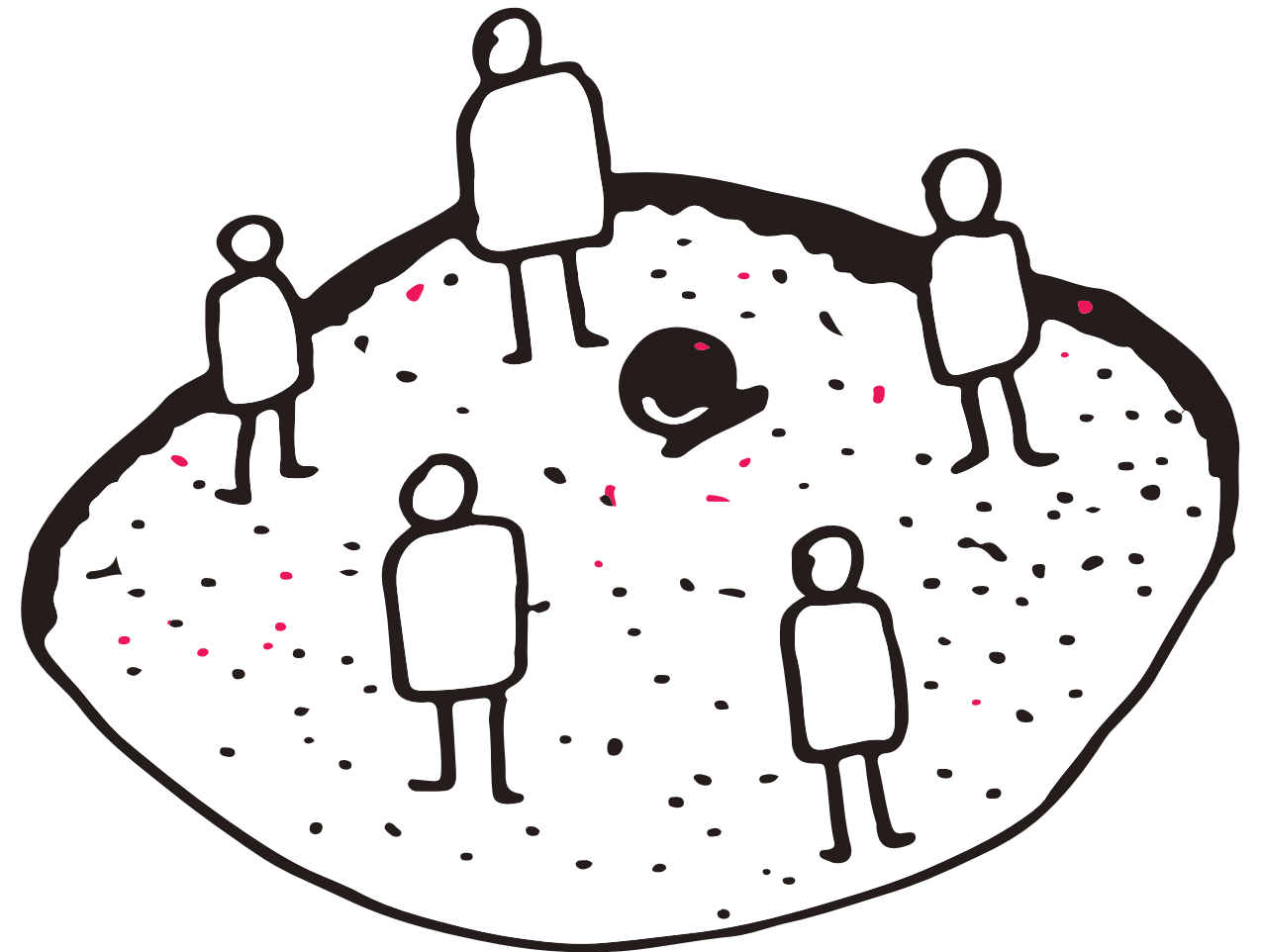
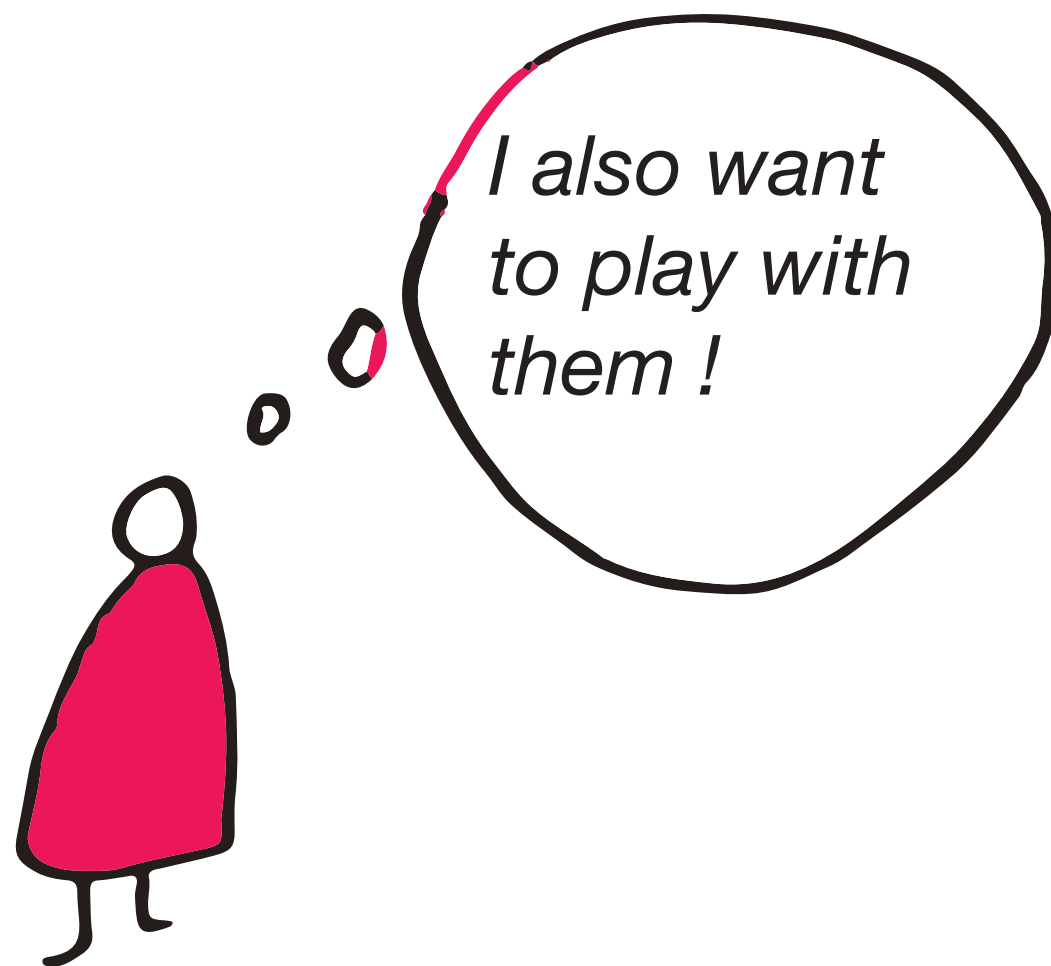
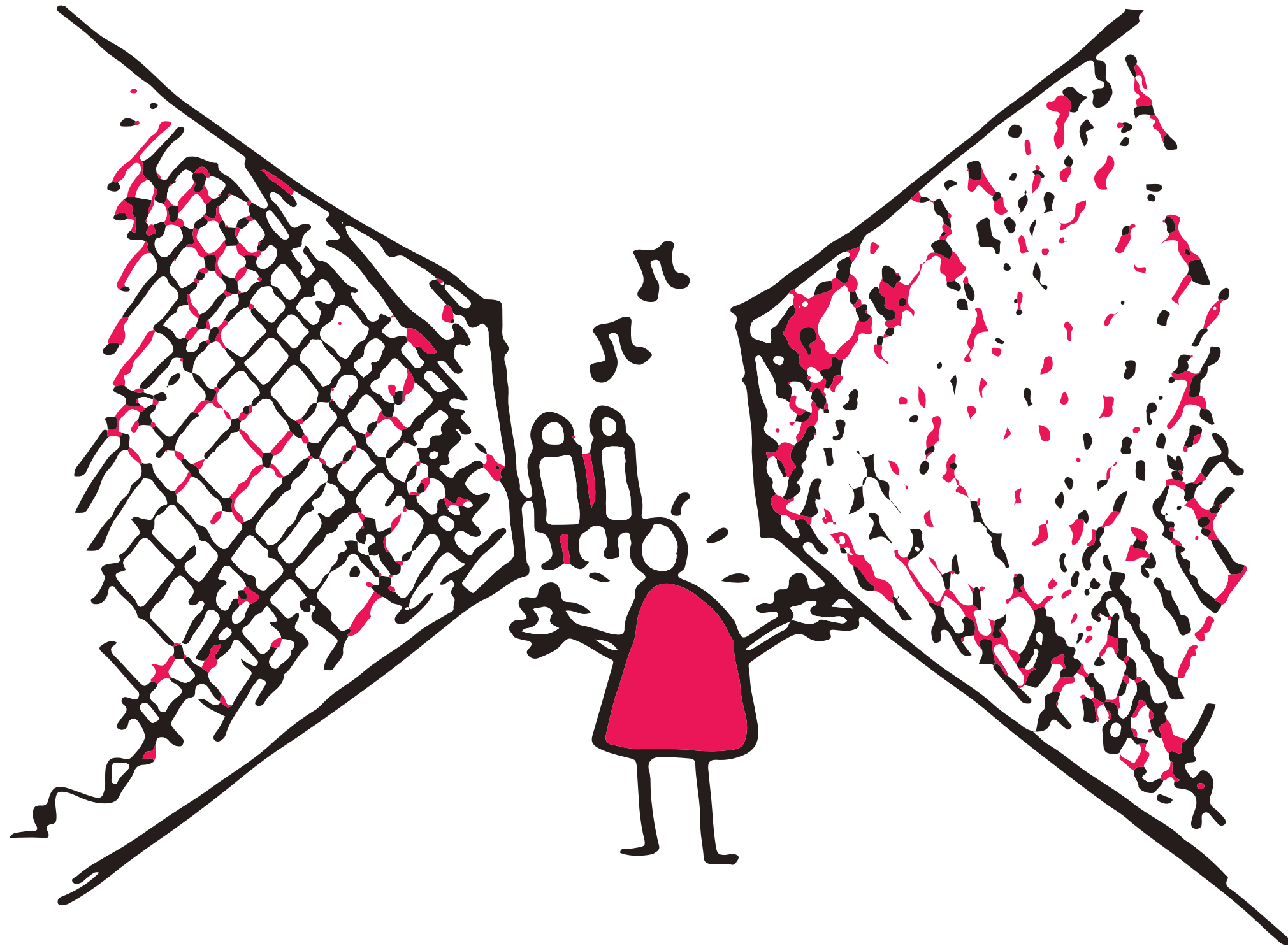


*When I was 7 years old .....*

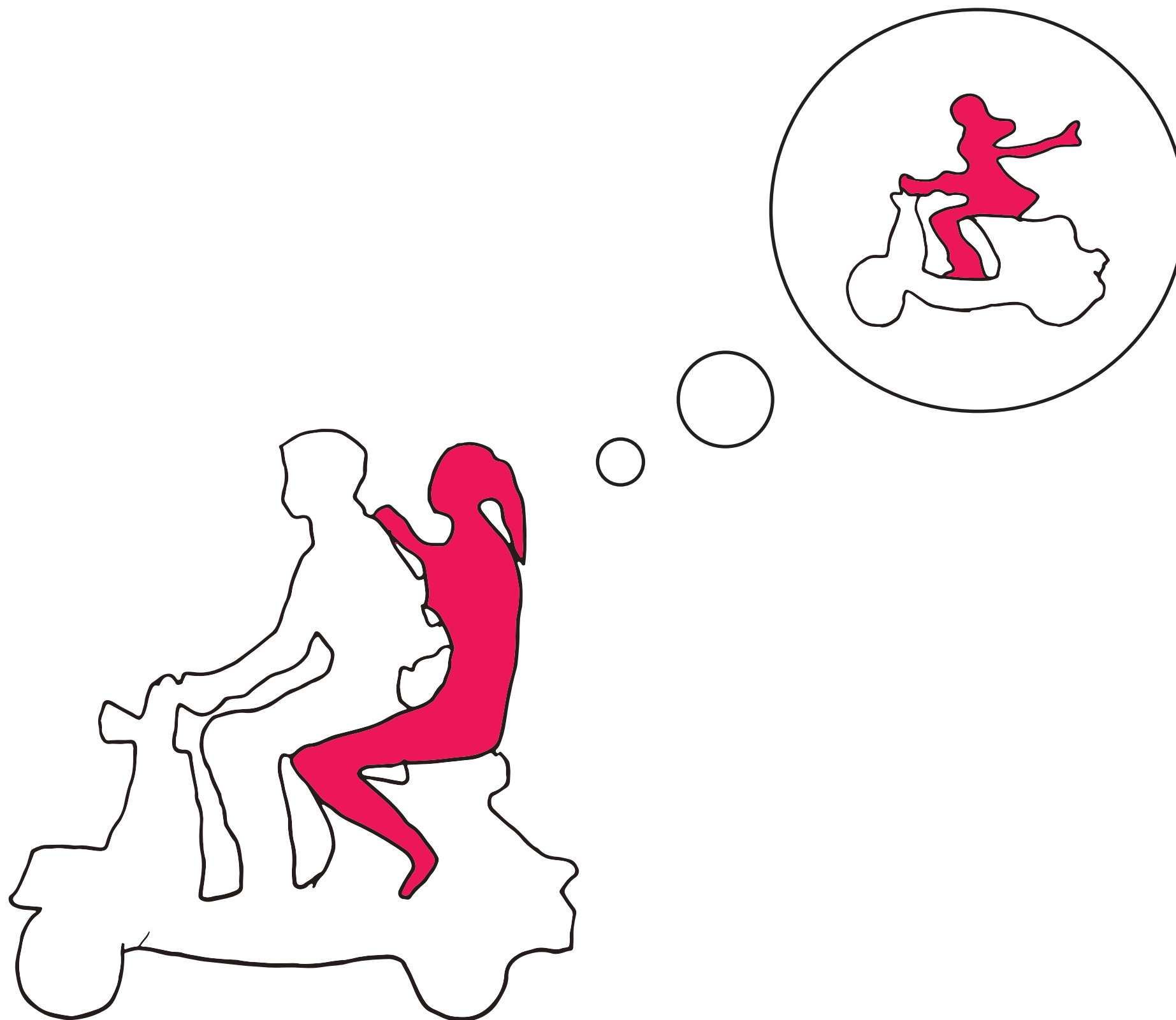


*When I was 12 years old .....*

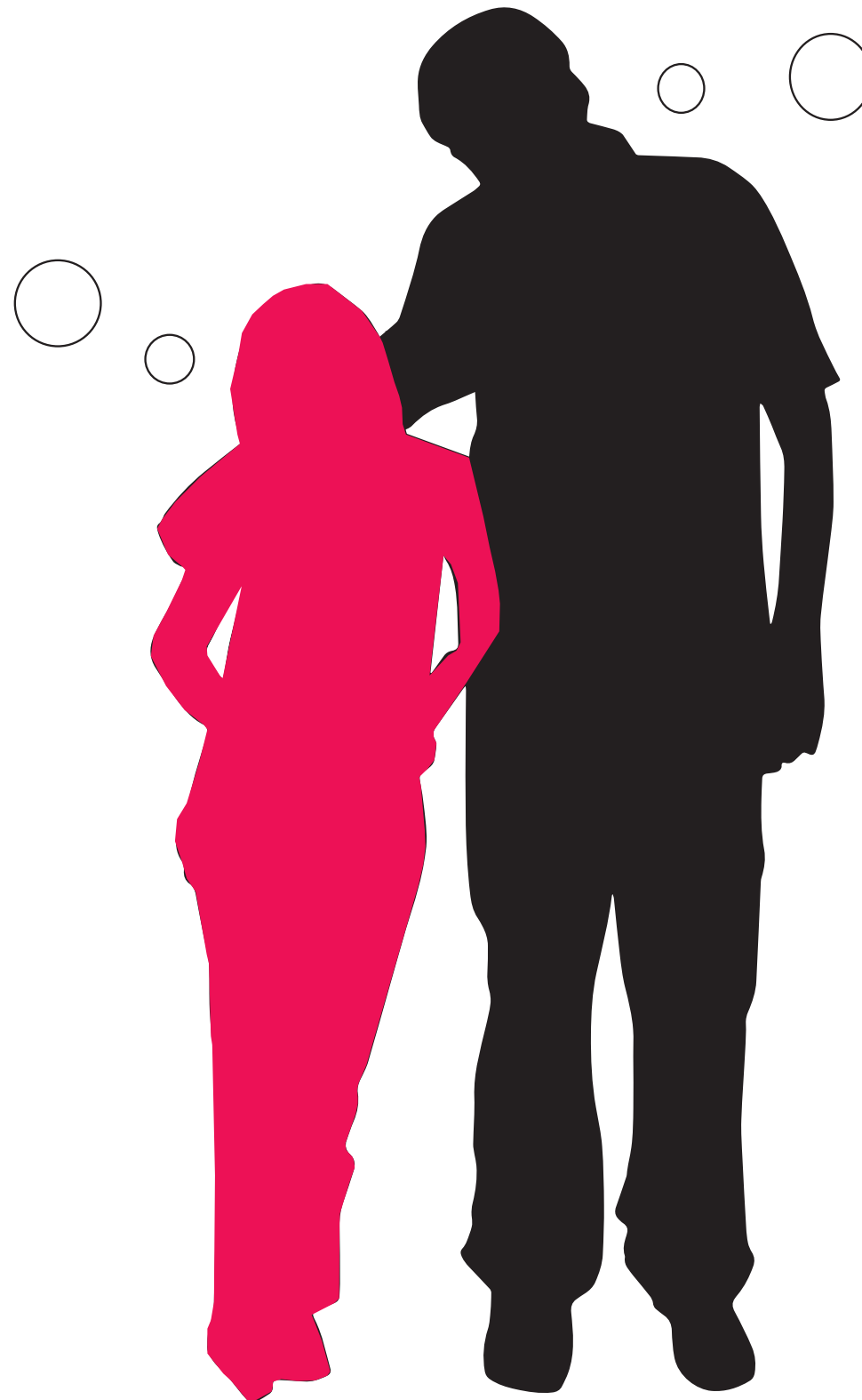
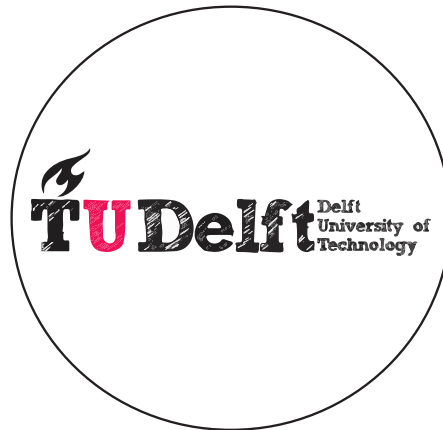




*When I grew up to being 17 years .....*



## *The dream of studying abroad !*



# #WOMENSPATIALACTIVISM

AN URBAN DESIGNER'S APPROACH TOWARDS RE-APPROPRIATION OF SPACES BY WOMEN IN NEW DELHI, INDIA

30.06.2017

P5 PRESENTATION

SUGANDHA GUPTA

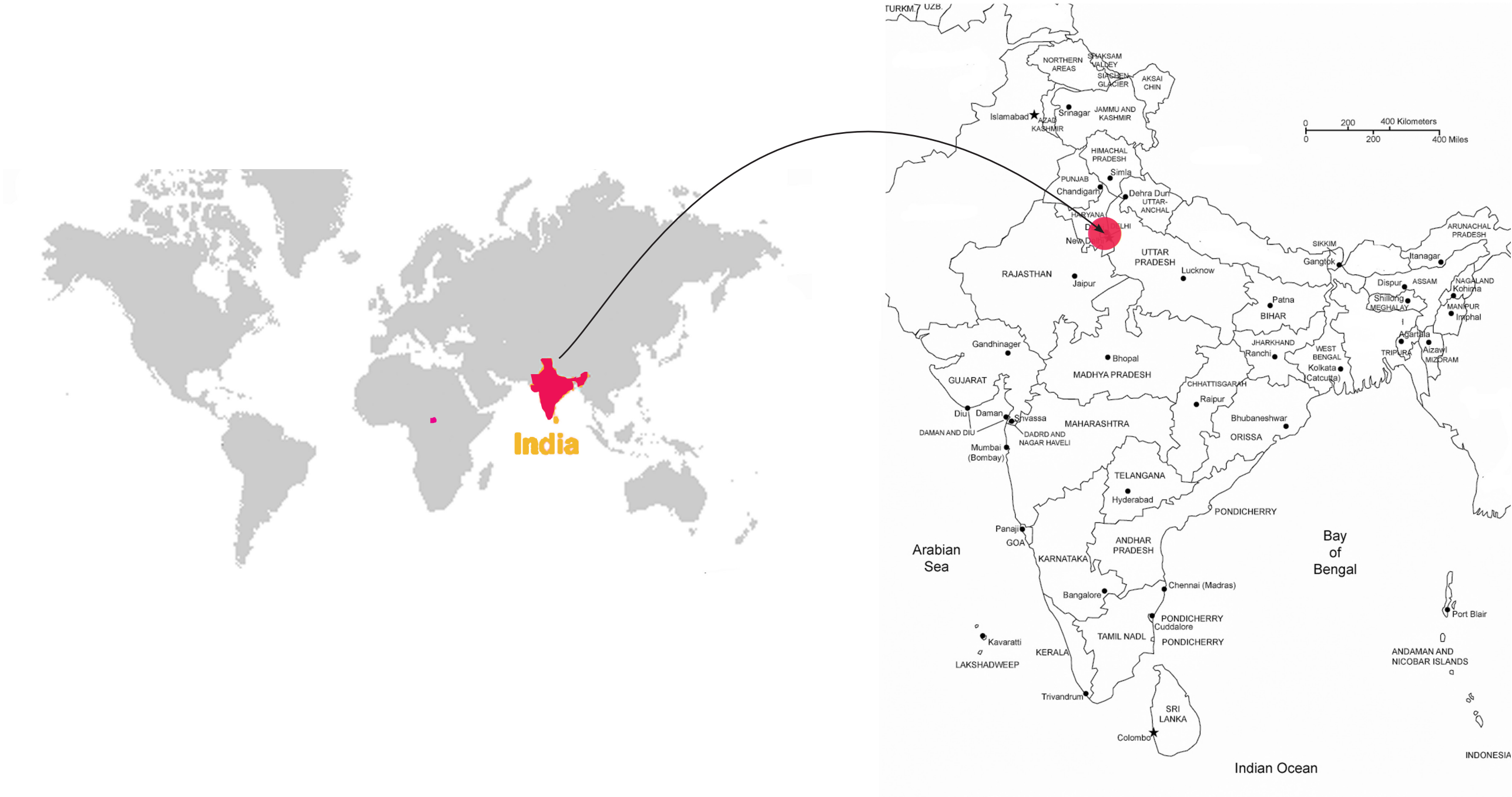


**I am the motivation for myself.**

**As a **young Indian woman** I want to live in a city where every woman practice her **right to a public space**.**

**As a **young urbanist** I want to plan and design **gender inclusive, safe and vibrant public urban spaces****

LOCATION- NEW DELHI, INDIA



## Reclaiming Spaces



**By Old Women**

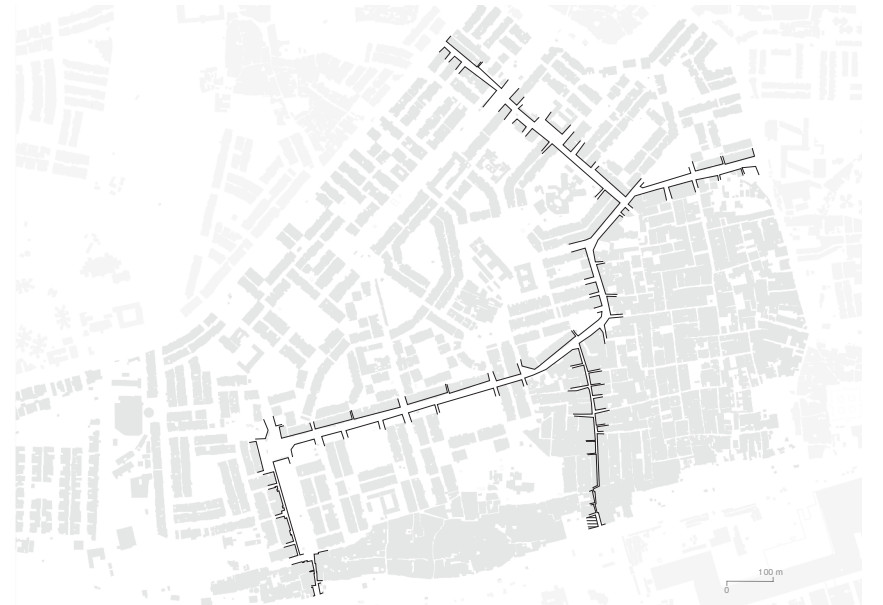


**By Young Women**



**By Mothers**

# Street



# GENDER SENSITIVE URBAN DESIGN & PLANNING

## LITERATURE RESEARCH



“ Only through **autogestion** can the members of a free association take control over their own life, in such a way that it becomes their own work - **Appropriation** “ - Henri Lefebvre

“There must be **eyes upon the street**, eyes belonging to those we might call the natural proprietors of the street.” - Jane Jacobs



“The **right to the city** is far more than the individual liberty to access urban resources; it is a **right to change ourselves** by changing the city. “ - David Harvey

“The cities are not seen and used in a single way. We won't advance in the **New Urban Agenda** if we don't face the huge gender inequality.”- Ana Falu



“To add insult to the injury, even by acknowledging a lack of safety women risk inviting more '**restrictions and control**' from our patriarchal families.” - Madhavi Desai

“Addressing violence against women or **women's safety** is not a “women's issue”, but one that needs to be addressed by a **range of stakeholders.**”- Kalpana Vishwanatha





Best Practices

Social Activism

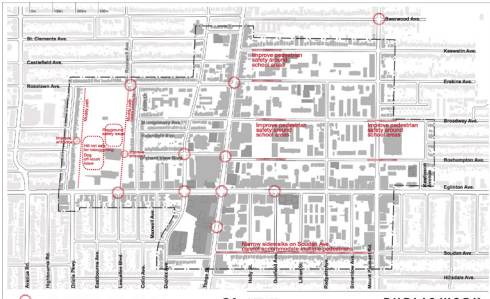
Digital Activism

Spatial Activism

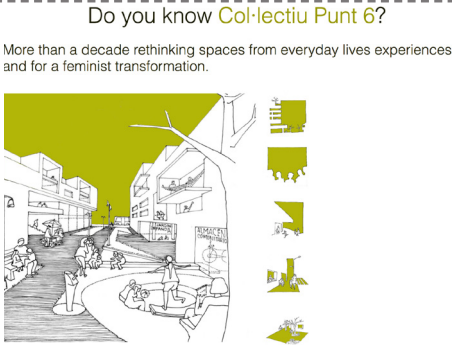
International



Offices in Korea started giving Creches to mothers after long protests.



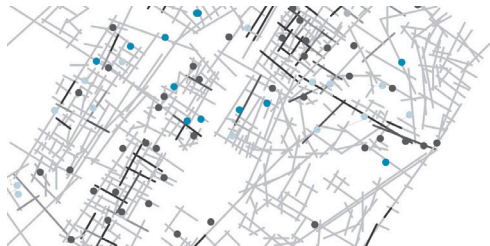
Safety Audits done in Canada provides a background for reforms.



Collecti-ui Punt in Barcelona is coming with innovative gender sensitive urban design.



Sexual Harassment protest in US

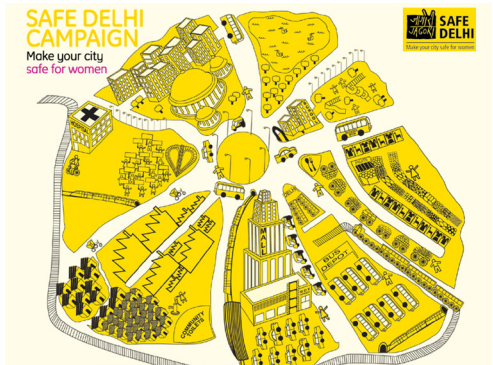


Space Syntax is a tool used for crime analysis in various parts of the World.



Gender inclusive park made in Vienna

India



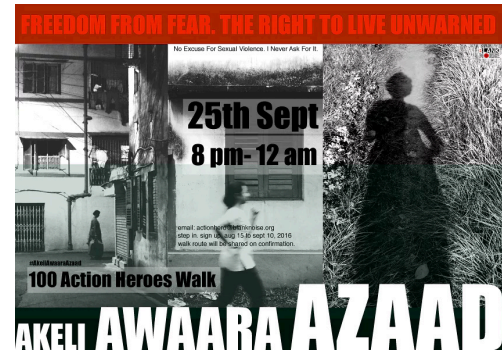
Jagori is a NGO working in India for safety of women in Delhi.



The Safetipin Application crowd sources data.



Don't invite trouble! is the message this group of girls want to contradict.



A Blank Noise poster demanding freedom from fear and the right to live unwarned.

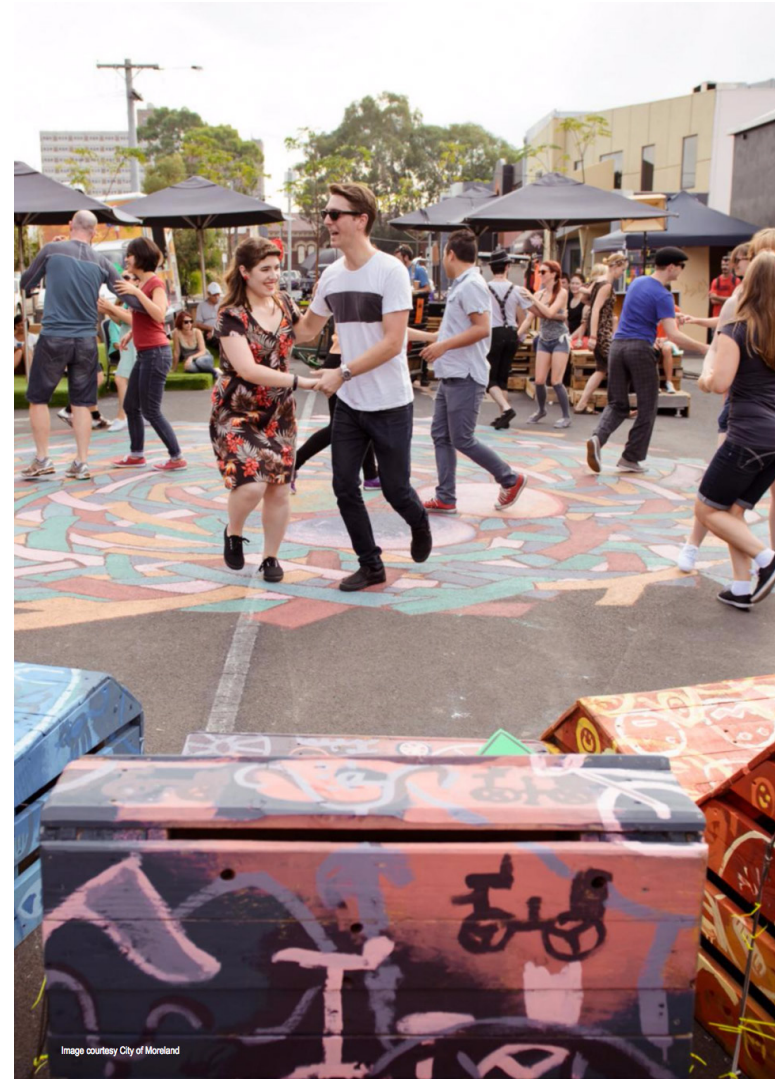




## Temporary Urbanism - to be used as a tool for Spatial Activism



Yaraville Pop-Up Park, Australia  
(Street Makeover)

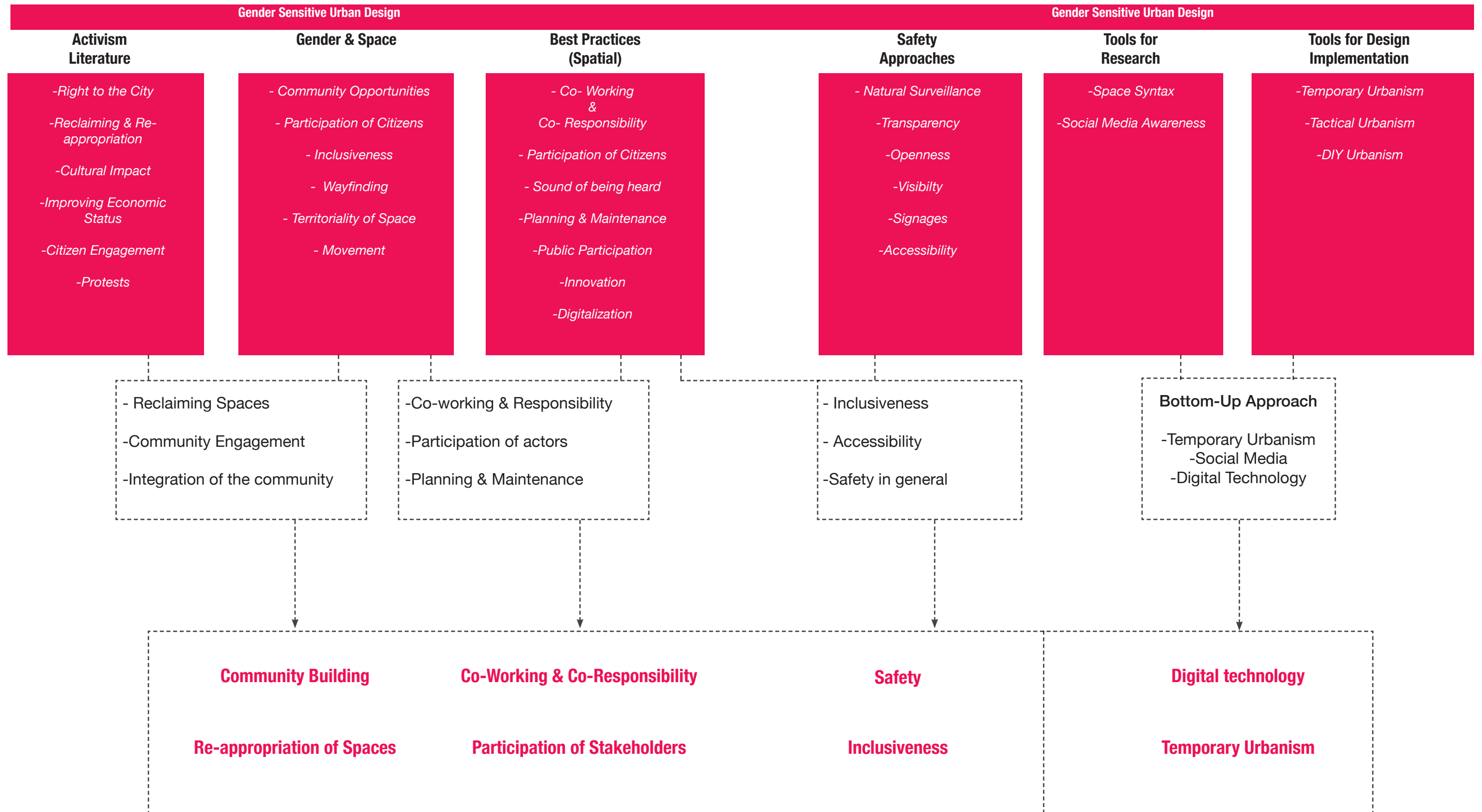


Temporary Activities to liven Street, Australia (Better Build Block)



Guirella Gardening (Neighborhood)

# Theoretical Framework





Site Location - New Delhi, India

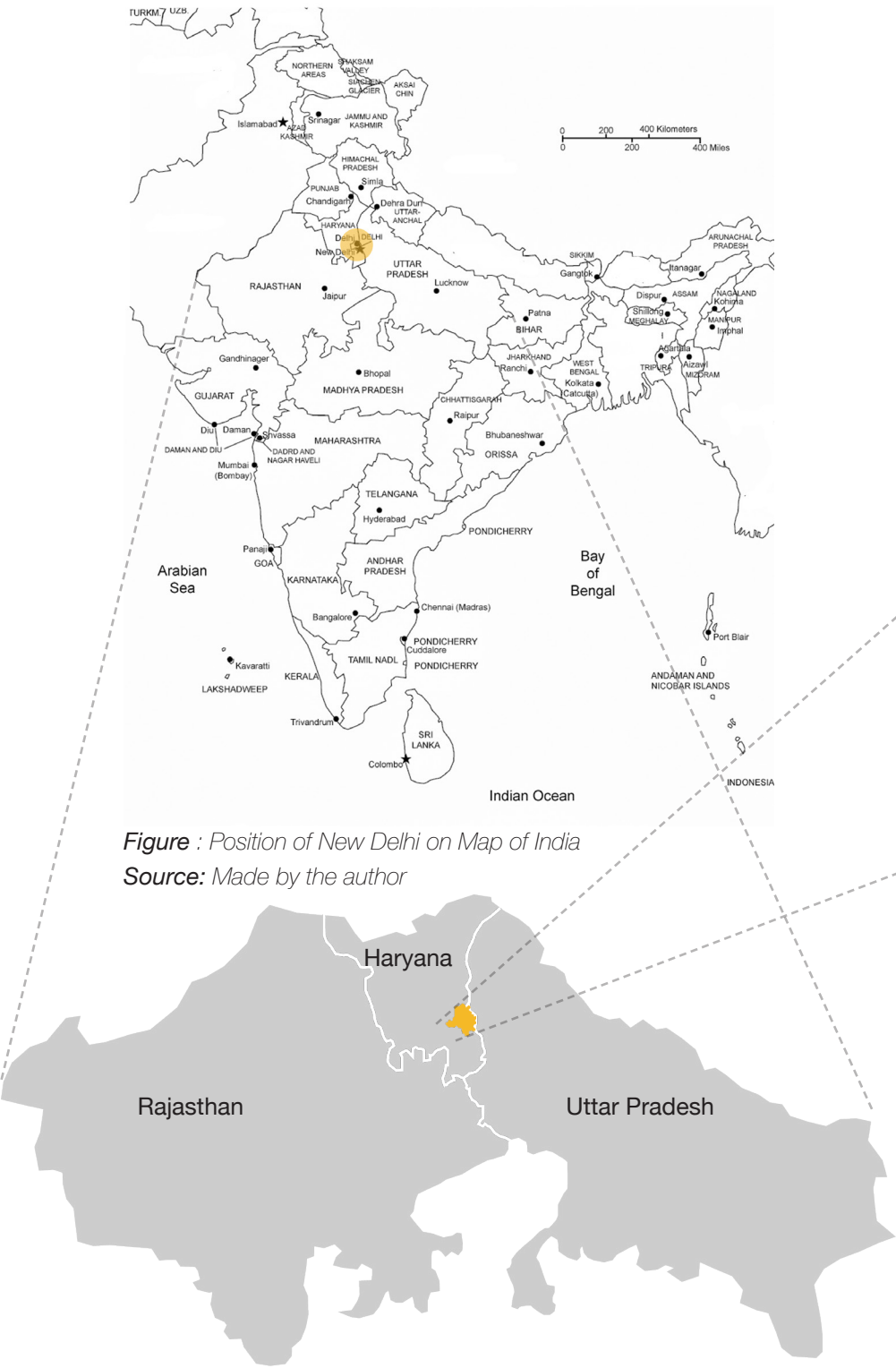
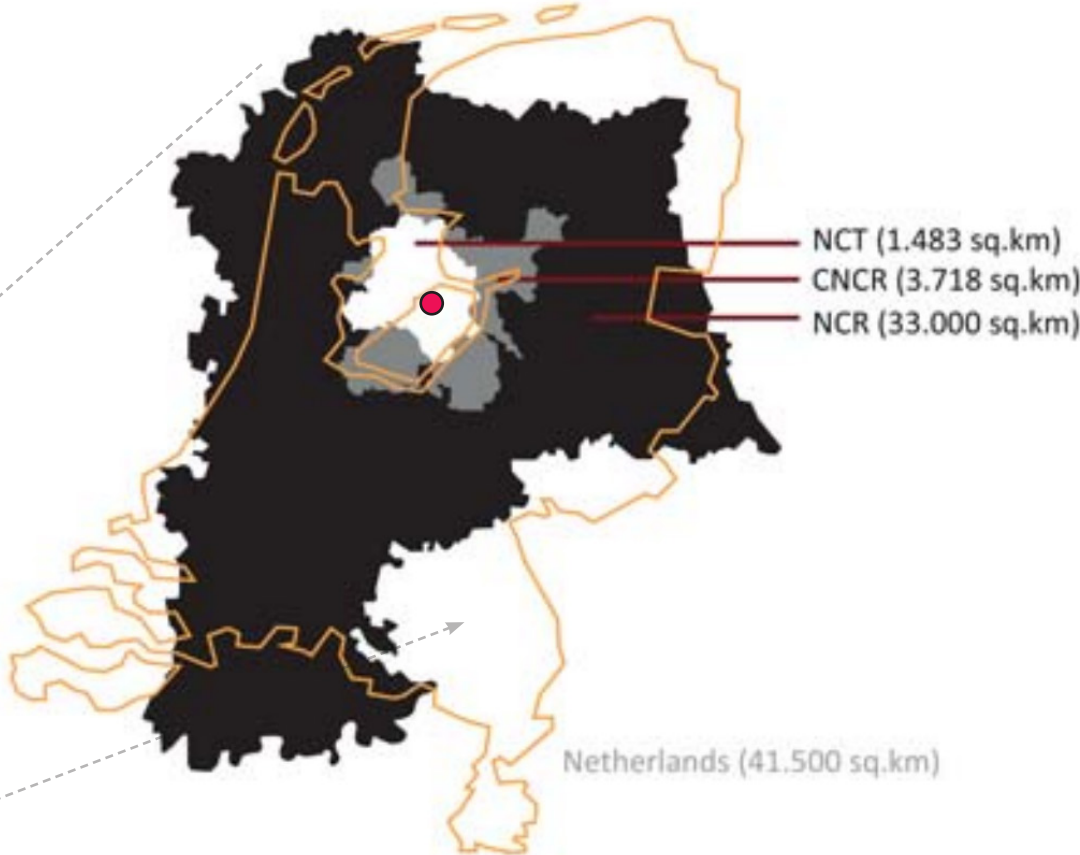


Figure : Position of New Delhi on Map of India  
Source: Made by the author

Figure : Impact of neighboring states  
Source: Made by the author



● Chosen Site Location- Malviya

Figure : Scale of Delhi as compared to the Netherlands  
Source: [http://venhoeven.nl/wordpress/wp-content/uploads/2012/01/20130318\\_Delhi2050\\_lpad.pdf](http://venhoeven.nl/wordpress/wp-content/uploads/2012/01/20130318_Delhi2050_lpad.pdf)  
This map shows the scale of Delhi as compared to the Netherlands.



Figure : Expansion of Delhi till 2021  
Source: [http://venhoeven.nl/wordpress/wp-content/uploads/2012/01/20130318\\_Delhi2050\\_lpad.pdf](http://venhoeven.nl/wordpress/wp-content/uploads/2012/01/20130318_Delhi2050_lpad.pdf)

# Site Location - New Delhi, India

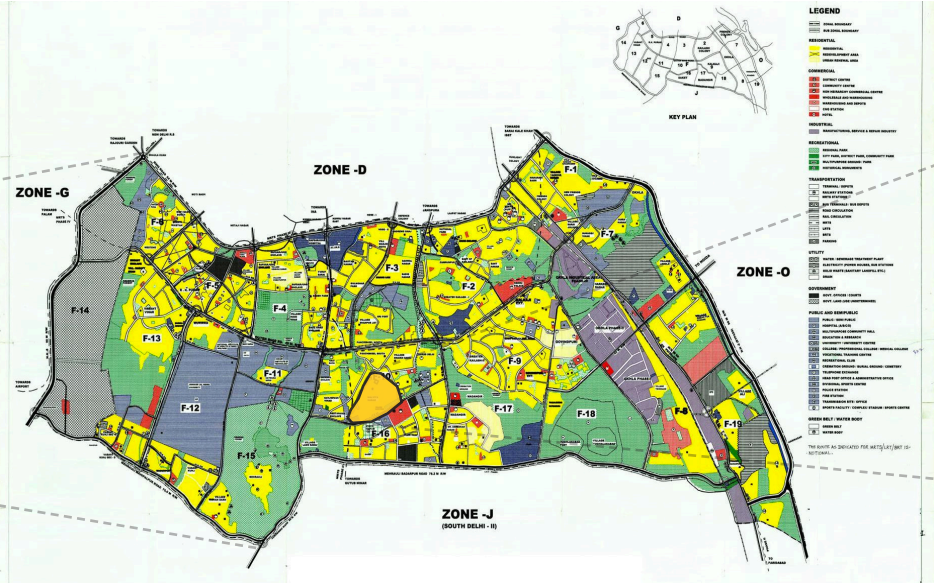
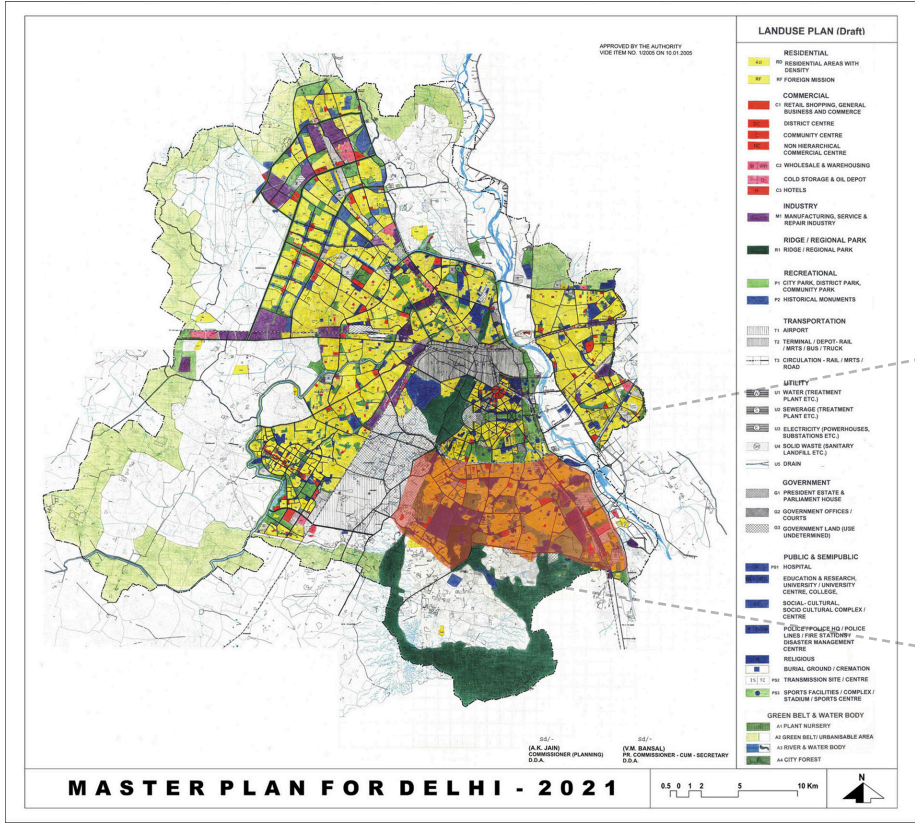
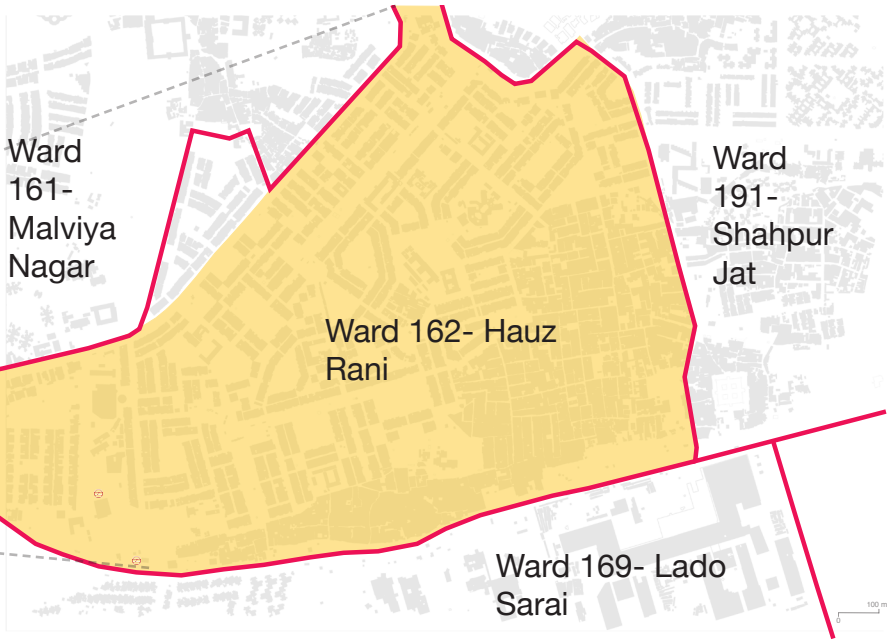


Figure : The location lies in zone F-10 in Zone-F Masterplan  
Source: <http://delhi-masterplan.com/zonal-plans-mpd-2021>





# Malviya Nagar Demographics

## Crime Evidences



Figure

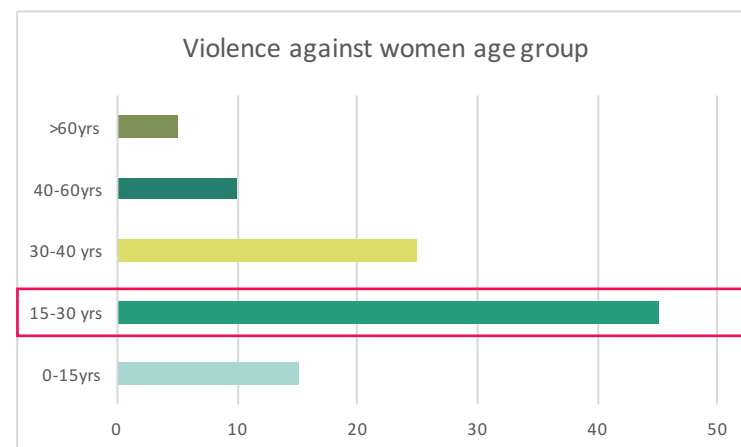


Figure 2- made by author

## Age Group & Occupation

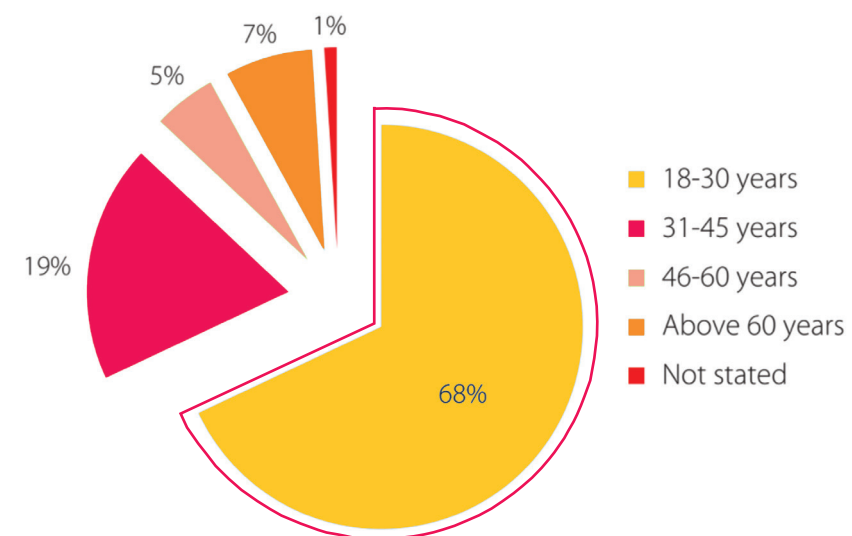


Figure 3 - made by author

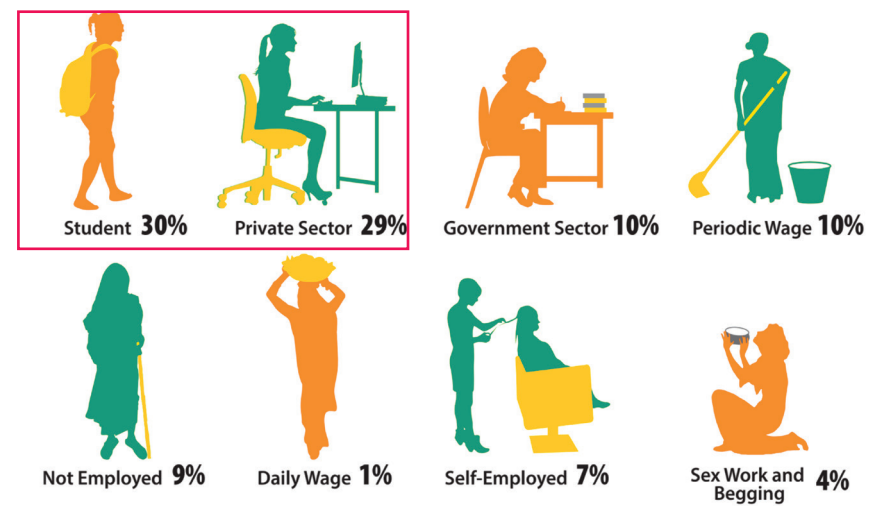


Figure 4- Occupation

## Demographic Profile

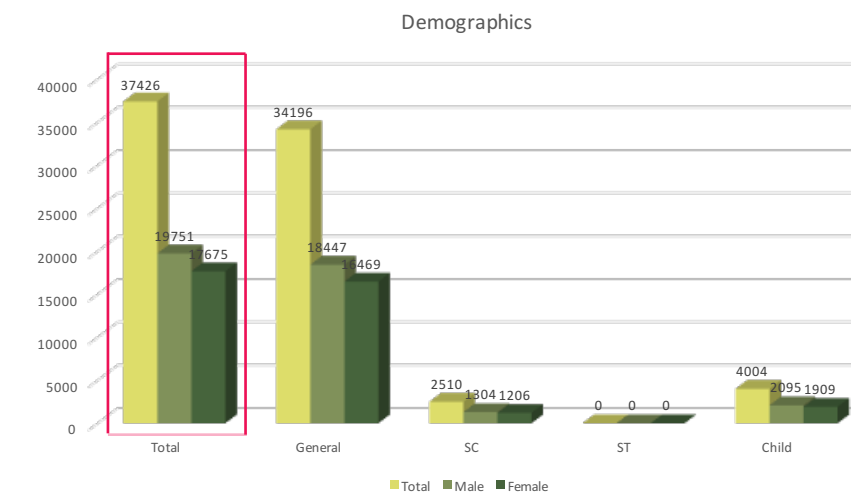


Figure 5- made by author

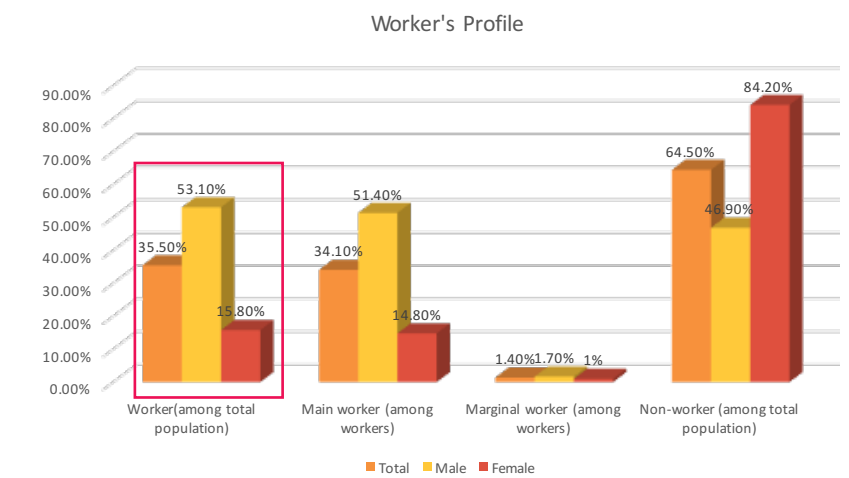
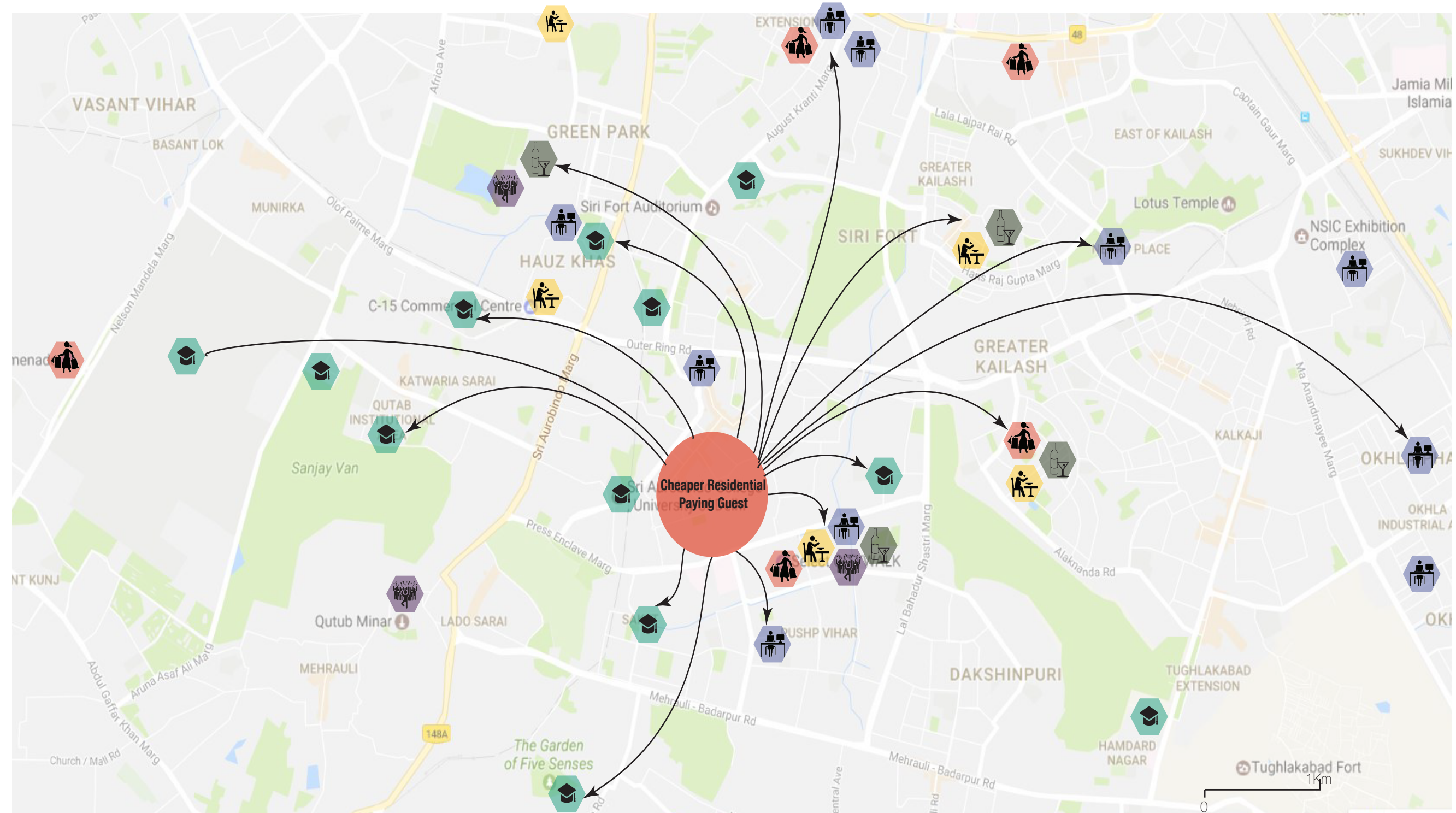


Figure 6- made by author

Source fig1: <http://www.dailymail.co.uk/indiahome/indianews/article-2606279/Crime-map-shows-Delhis-rural-semi-urban-areas-unsafe-women.html>

Source of info fig2 : (<http://www.asianage.com/delhi/unsafe-delhi-six-women-raped-daily-says-police-043>)

## Destination Mapping



LEGEND:



SHOPPING



EDUCATIONAL



PARTY PLACES



LOCATION



EATERIES



BAR & LOUNGE



WORK AREAS

Figure : Destination Map showing close proximity of the area offering cheap Paying Guest Services

Source: made by author



## Paying Guest Houses

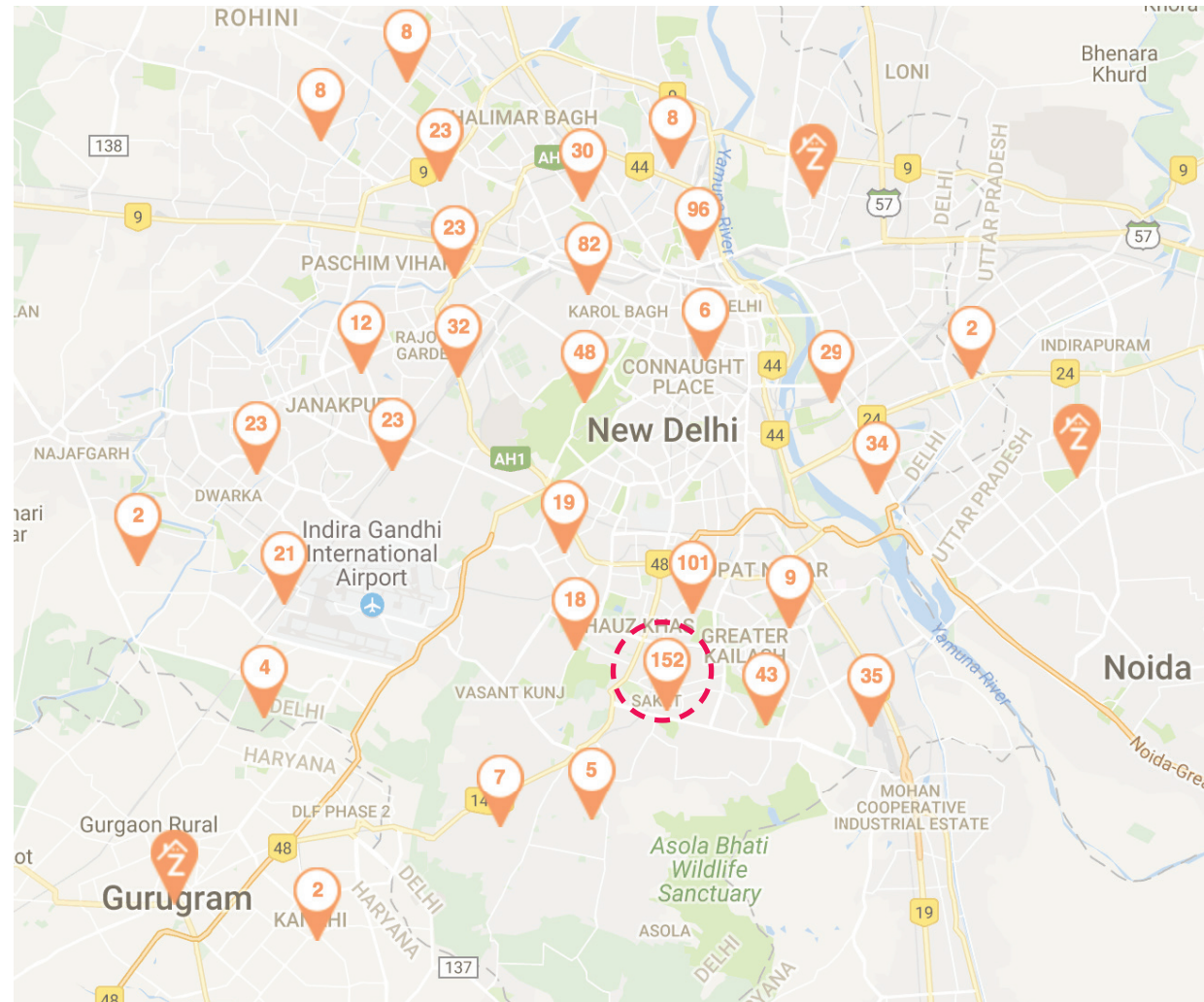


Image: Map of the paying guest houses available in Delhi, 152 in Saket and Malviya Nagar as com-  
Source: <http://zocalo.in/pg-in-malviya-nagar-saket-new-delhi>

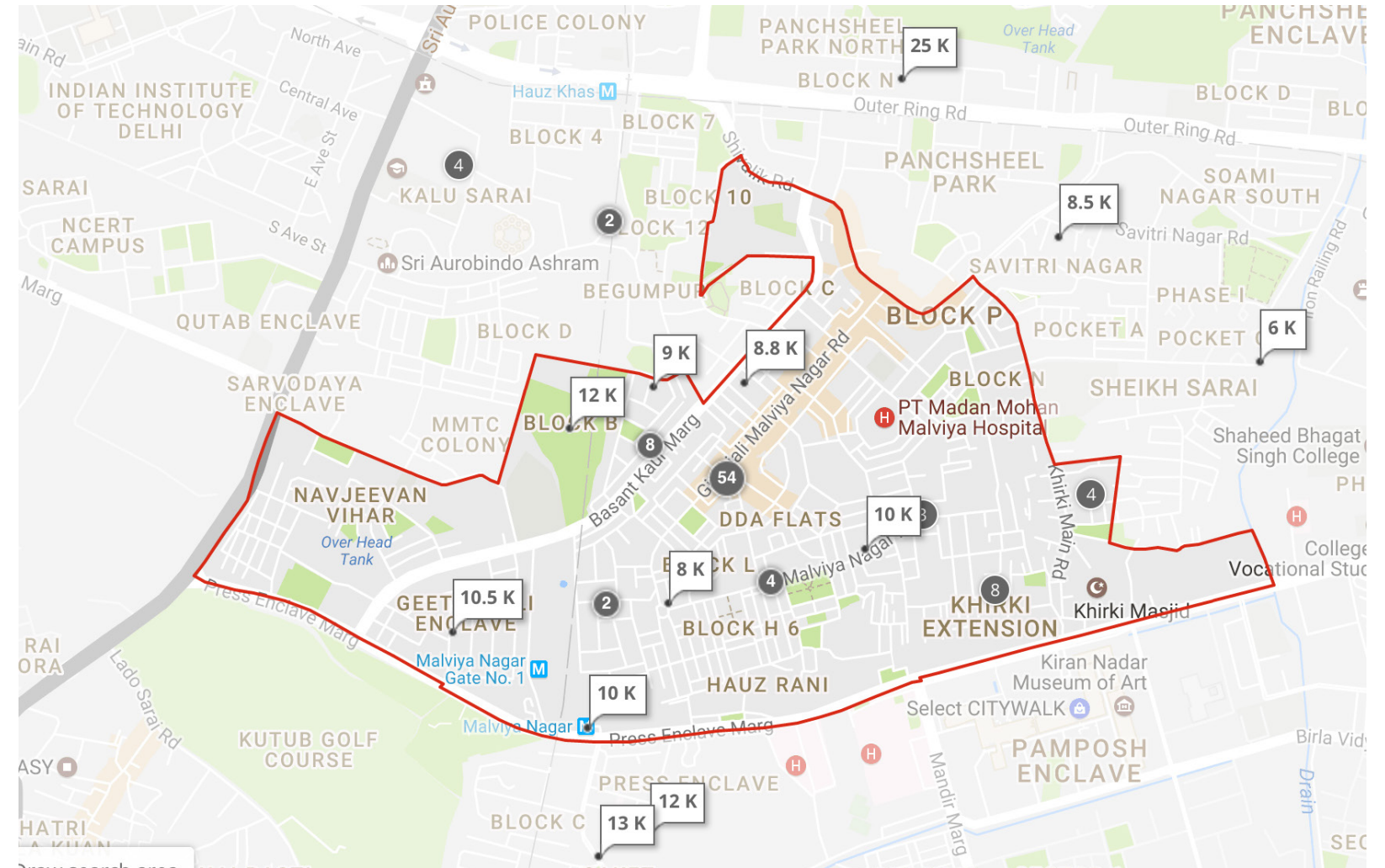


Image: Map of the paying guest houses available in Delhi, economic price of the places (around 125  
Source: <http://zocalo.in/pg-in-malviya-nagar-saket-new-delhi>





Expert Interviews

CCTV ?



Interview with Mrs Salma Ansari  
Wife of Mohammad Hamid Ansari (Vice-President of India)

Gender Sensitive  
Urban Planning



Interview with Dr. Sudhir Krishna  
Former Secretary, Ministry of Urban Development,

No Gender  
Discrimination in Smart  
City



Interview with Kumar V. Pratap  
Economic Adviser, Ministry of Urban Development, Govern-  
ment of India

Last Mile Connectivity



Interview with Mandakini Surie

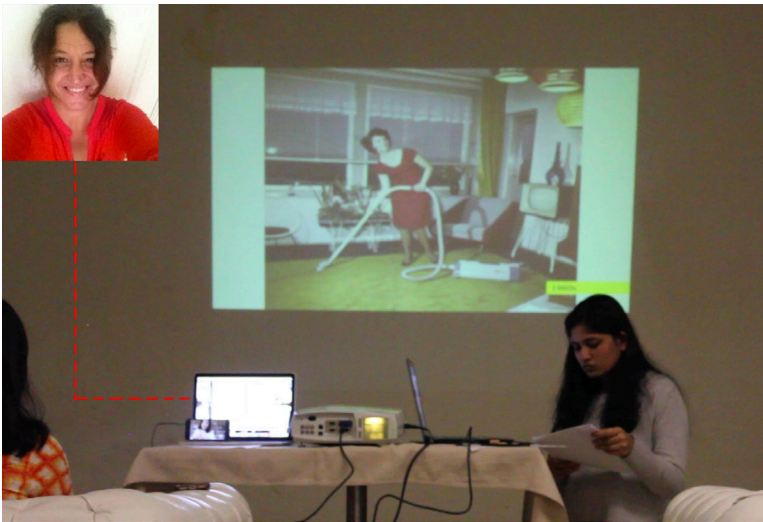
Invite Companies  
Collaboration



Interview with Mrs. Bhavana  
Journalist at DD News



Gender Equity & The City Workshop





Residents Interview

We Used to meet while  
fetching water



We like cooking together  
& talking about it!



No shadow for saleswomen  
like us



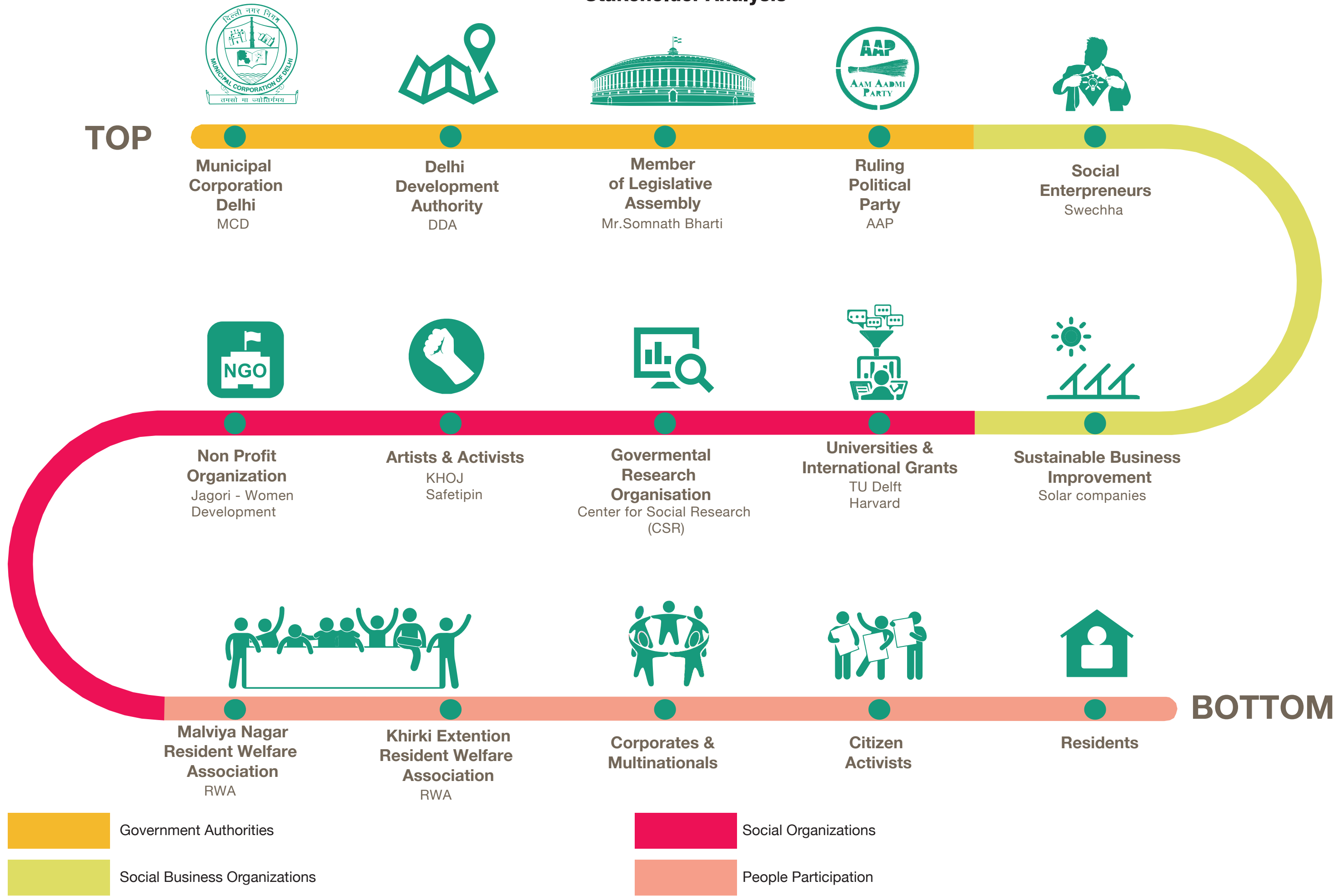
Its so fearful to return from  
the mall in night



we usually go in groups at  
night or its not safe



Stakeholder Analysis



## **Spatial Analysis**

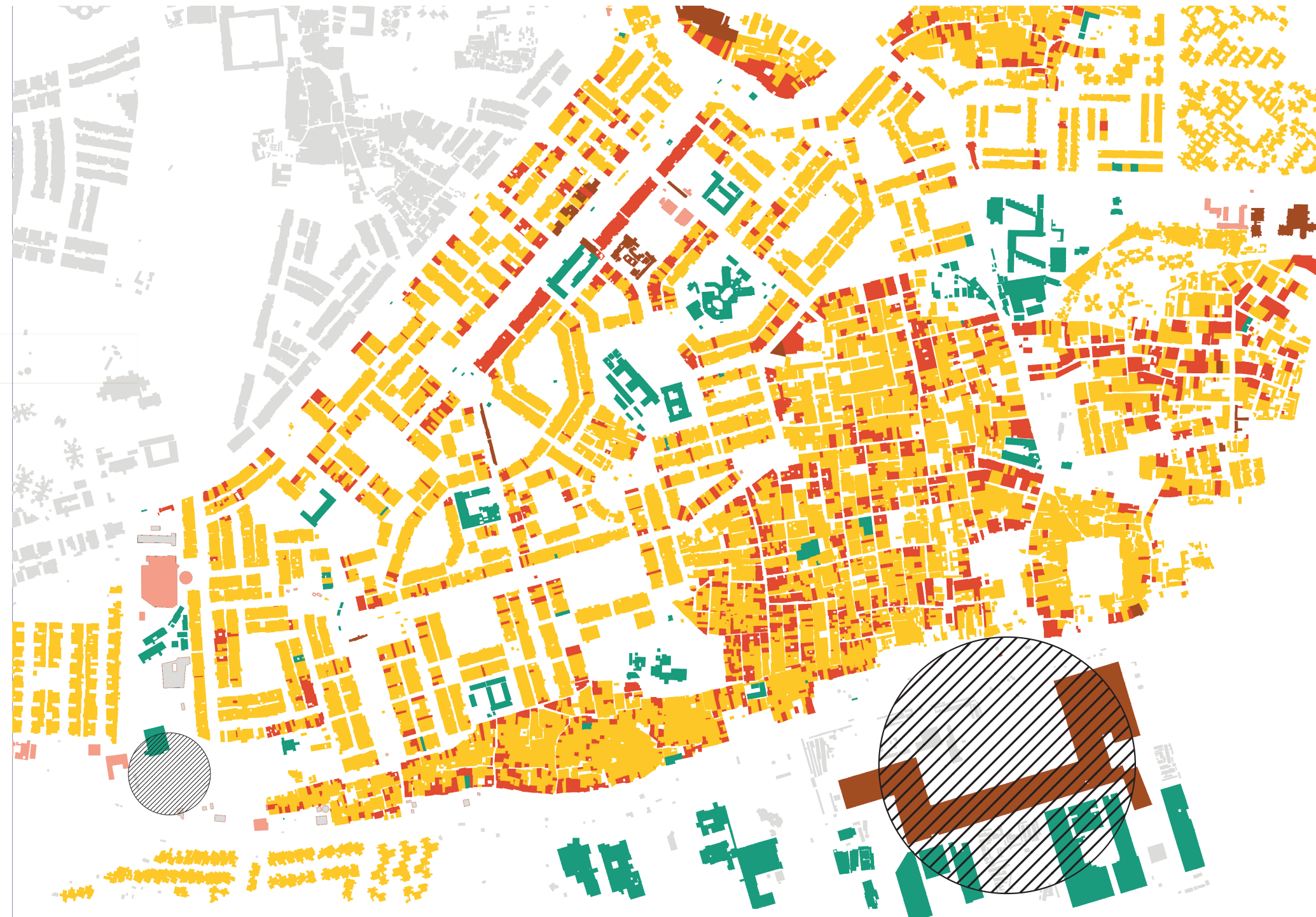


## Spatial Analysis





# Function Mapping



## Legend

- Residential
- Government
- Mixed Use
- Public- Semi Public Building
- Commercial



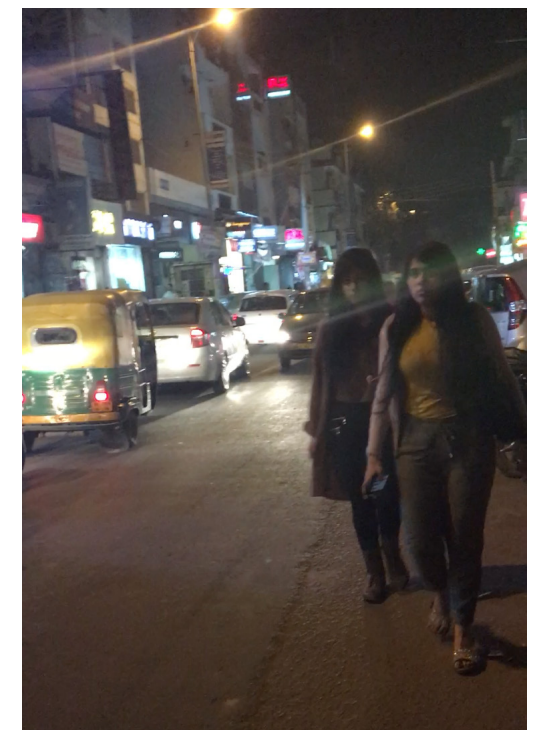
Malviya Nagar Police Station



Shopping Mixed Use in Khirki Village



Residential Area



Shopping Mixed Use in Malviya Nagar



Select City Walk Mall



# Open Space Mapping

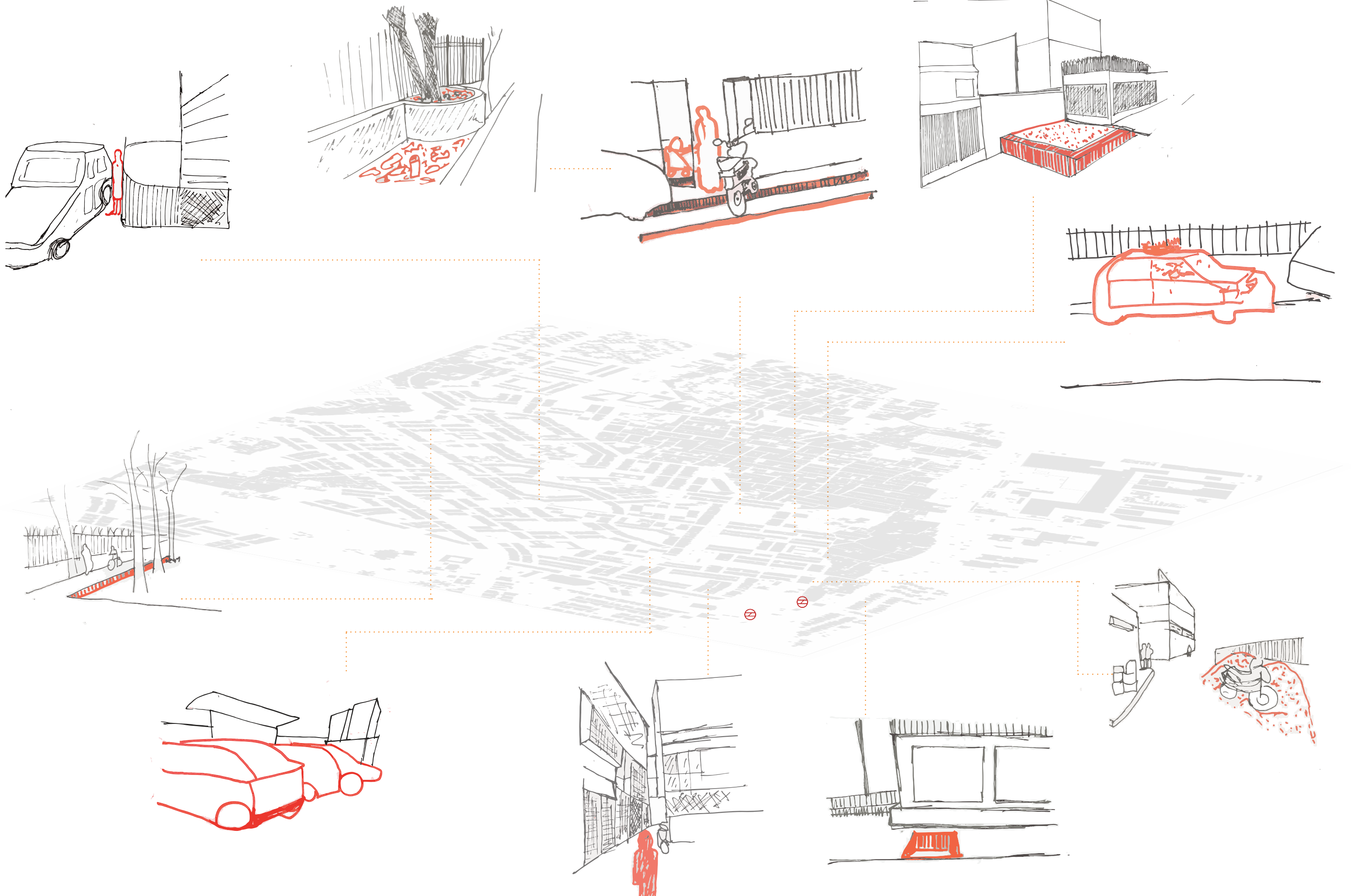


- Underutilised Area
- Public Parks Open
- Private Space
- Scrub Area
- Parking Space
- Prohibits the entrance to the location.



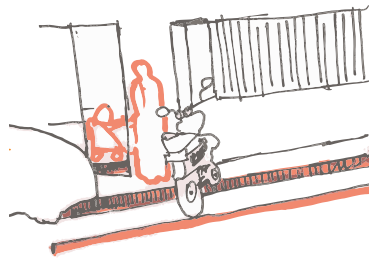


## Micro-Spatial Issues

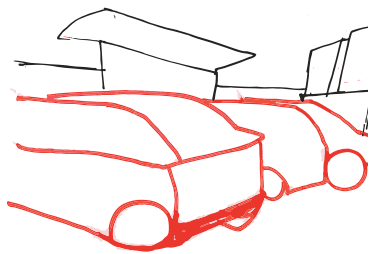


The Site Scales

Issues Scales  
on Site



Accessibility Issues at micro level



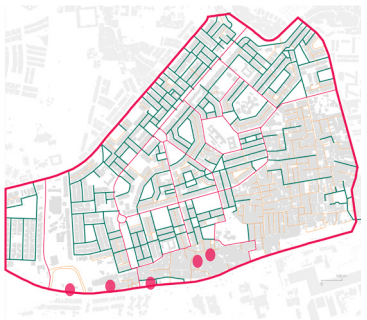
Car Parking Issues at Building level



Isolated Dead Streets



Garbage Dumpyards in Links

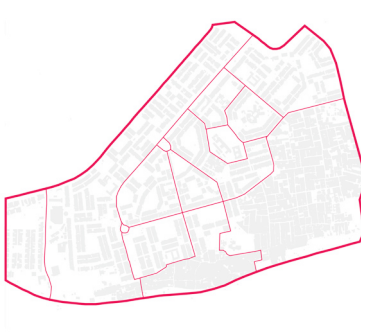


Weak edges at the neighborhood entrance

Spatial



Site Scale  
Levels of  
Interventions



Implementation  
scale of Design



Micro Level



Building Level



Street Level



Networks  
&  
Nodes

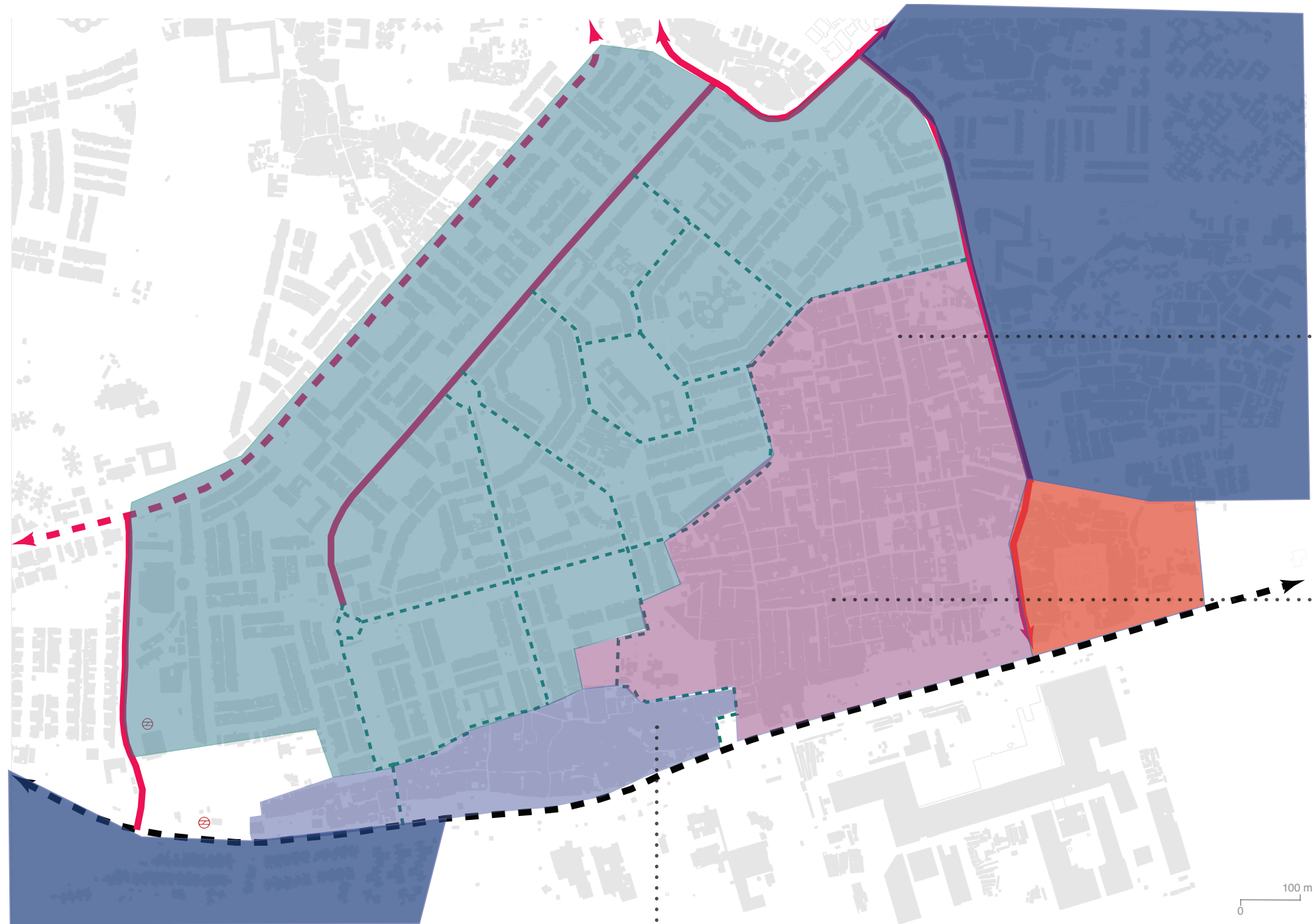


Neighborhood  
Level

## **Social Analysis**



## Social Map



**Figure :** Social and religious Map, showing residing different communities  
**Source:** made by author ( information from Malviya Nagar Statistics)

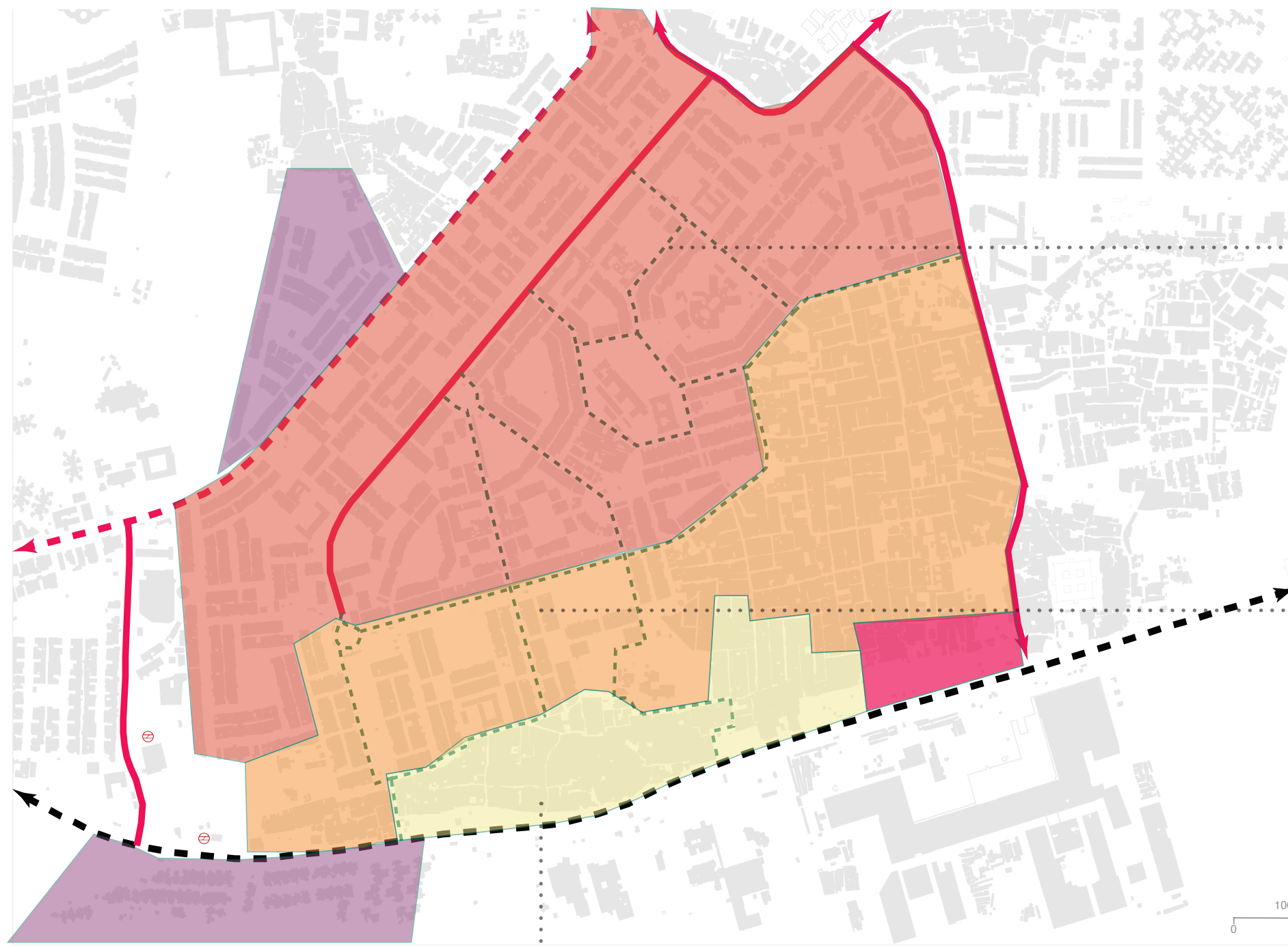
### LEGEND:

	Punjabi Hindus
	Afghanistan, Bangladesh, Muslims
	Mixed Population
	Nigerian, Hindu, Muslim
	Jats & Hindus





## Income Map



**Figure :** Income Map showing variety of groups in one area.  
**Source:** made by author ( information from Malviya Nagar Statistics)

### LEGEND:

- High Income Group
- Upper Income group
- Medium Income Group
- JJ Slums
- Low Income group



A high income group lane.



A medium income group lane.



A picture from Khirki Village lane showing the economic profile of the residents.



Crime Map

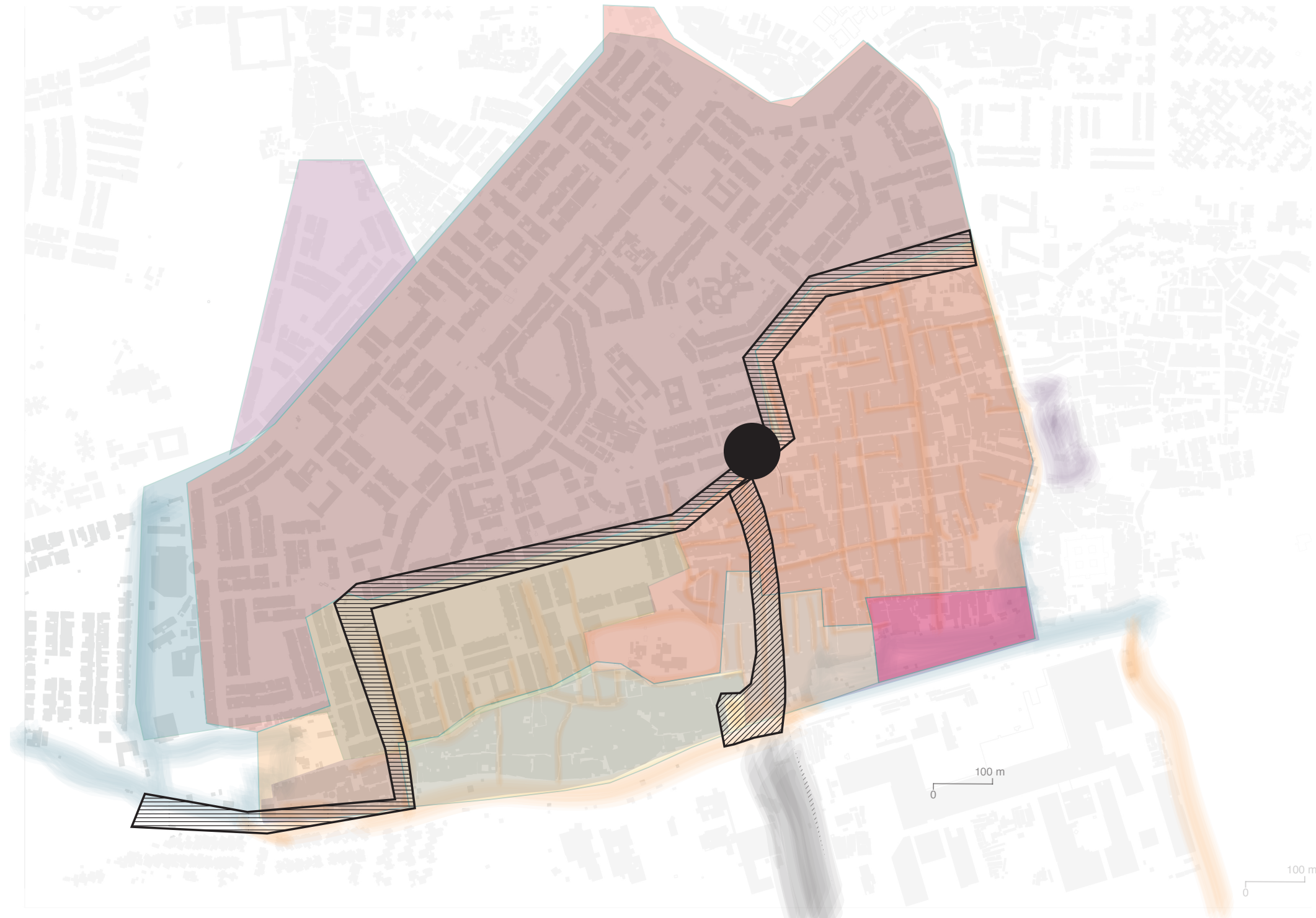


Figure : Crime map from the past cases reported  
Source: made by author ( information from Malviya Nagar Police Station)

- Legend
- Eve teasing, Mugging, Molestation, Attempt to rape, Hurting
  - Eve Teasing, passing Comments, Fights, Rowdiness, Stalking
  - Gambling, Drinking, Attempt to Rape



## The Spine



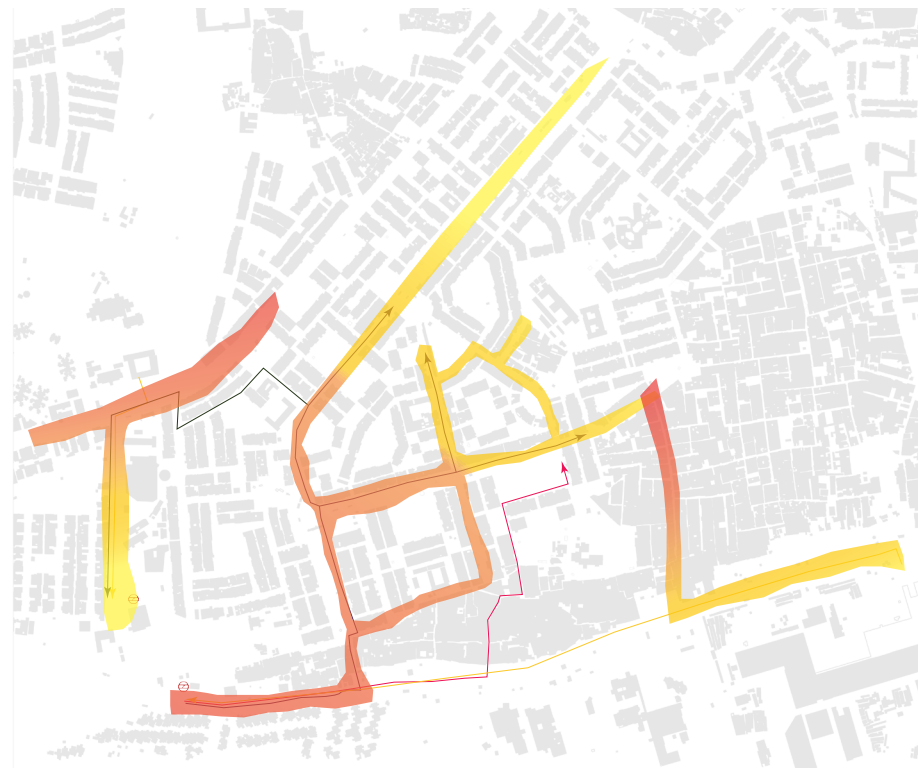


## Movement Map



**Figure :** Morning (7AM- 9:30AM) Map

**Source:** made by author ( information from site analysis)



**Figure :**Evening (5PM- 8:30PM) Map

**Source:** made by author ( information from site analysis)

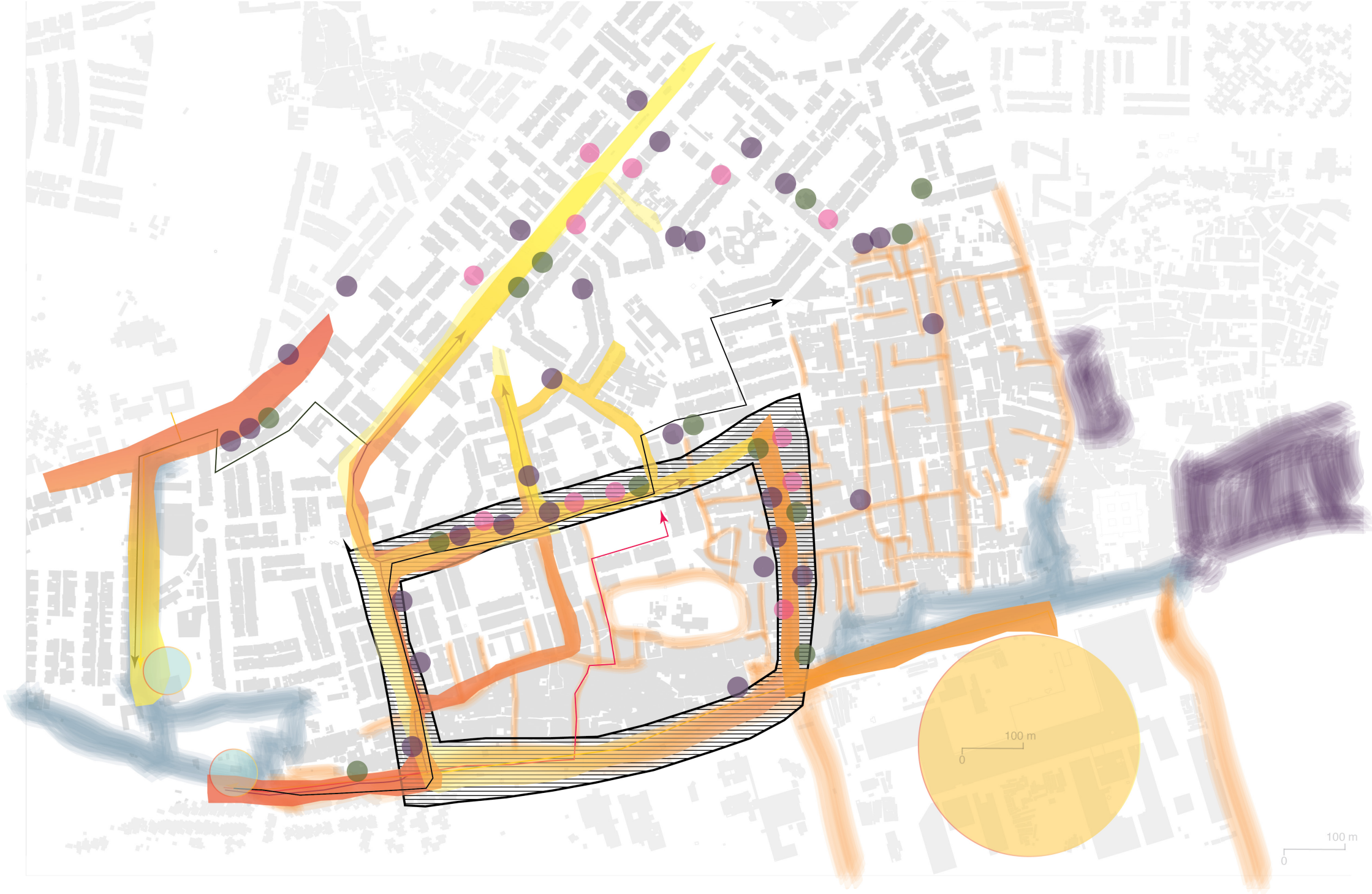
Figure :Evening (10PM-11PM) Map- in groups mostly accompanied with  
Source: made by author ( information from site

Source: made by author ( information from site

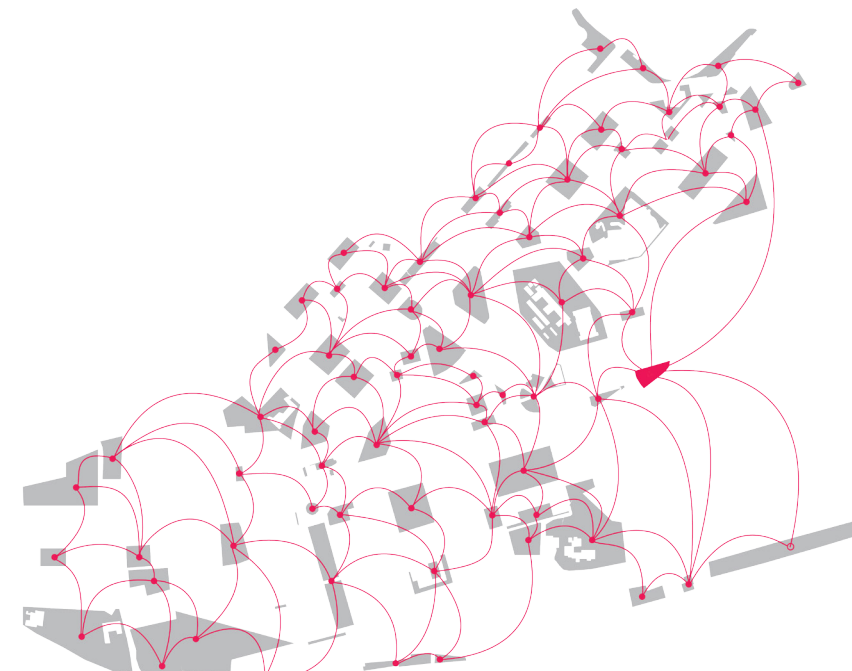
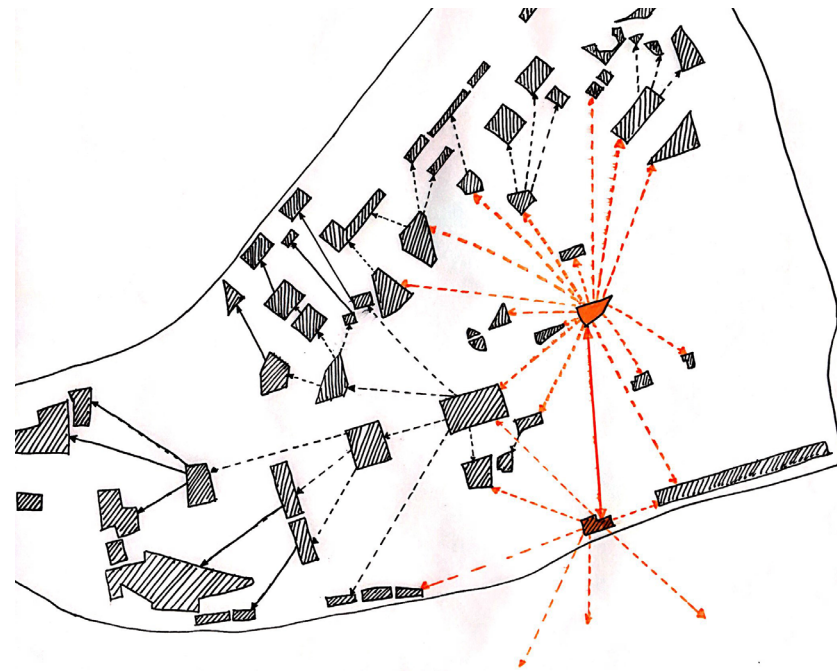
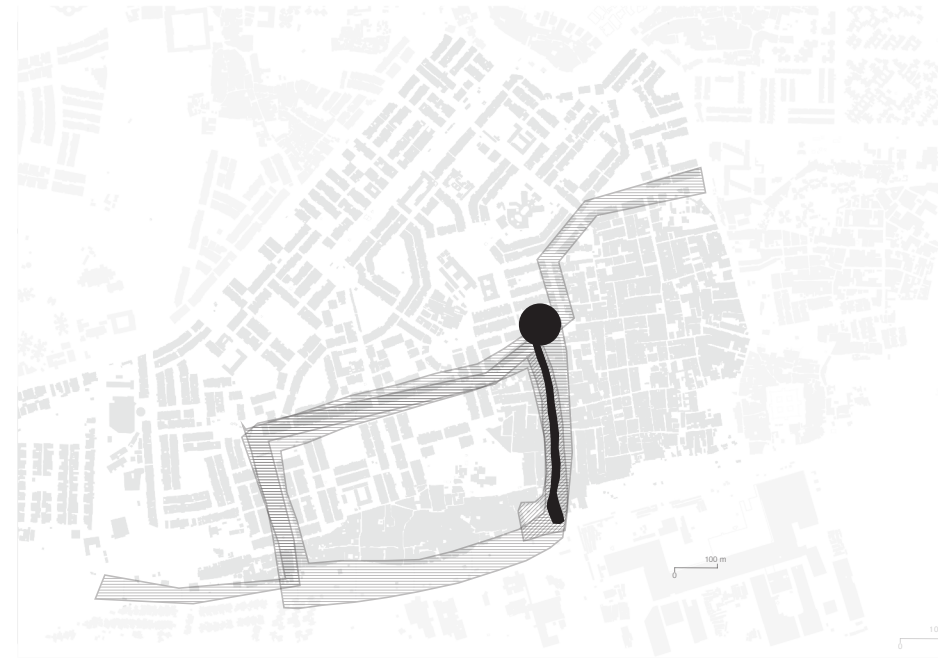
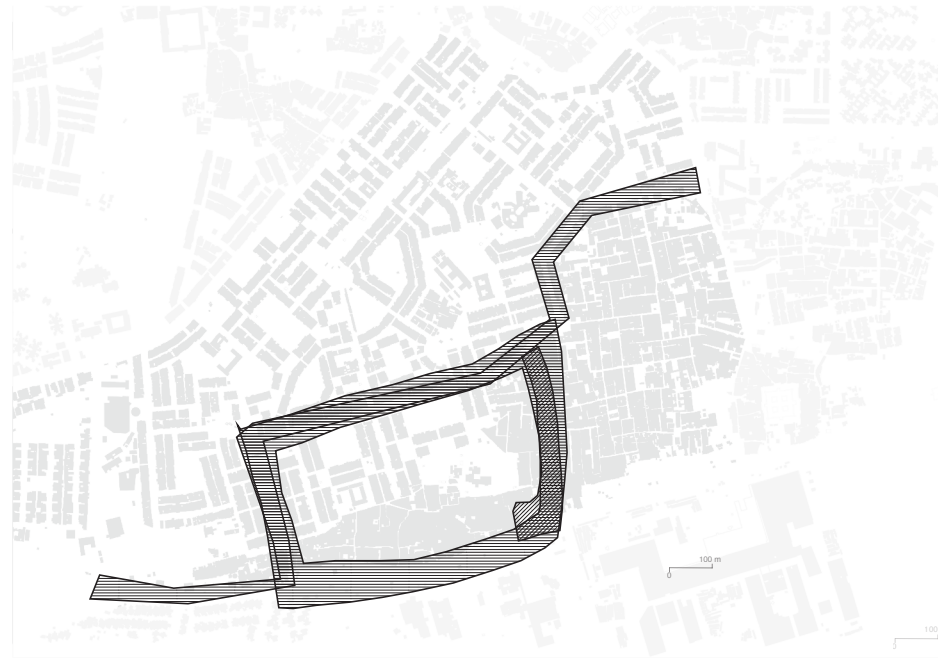




## Overlapping Area

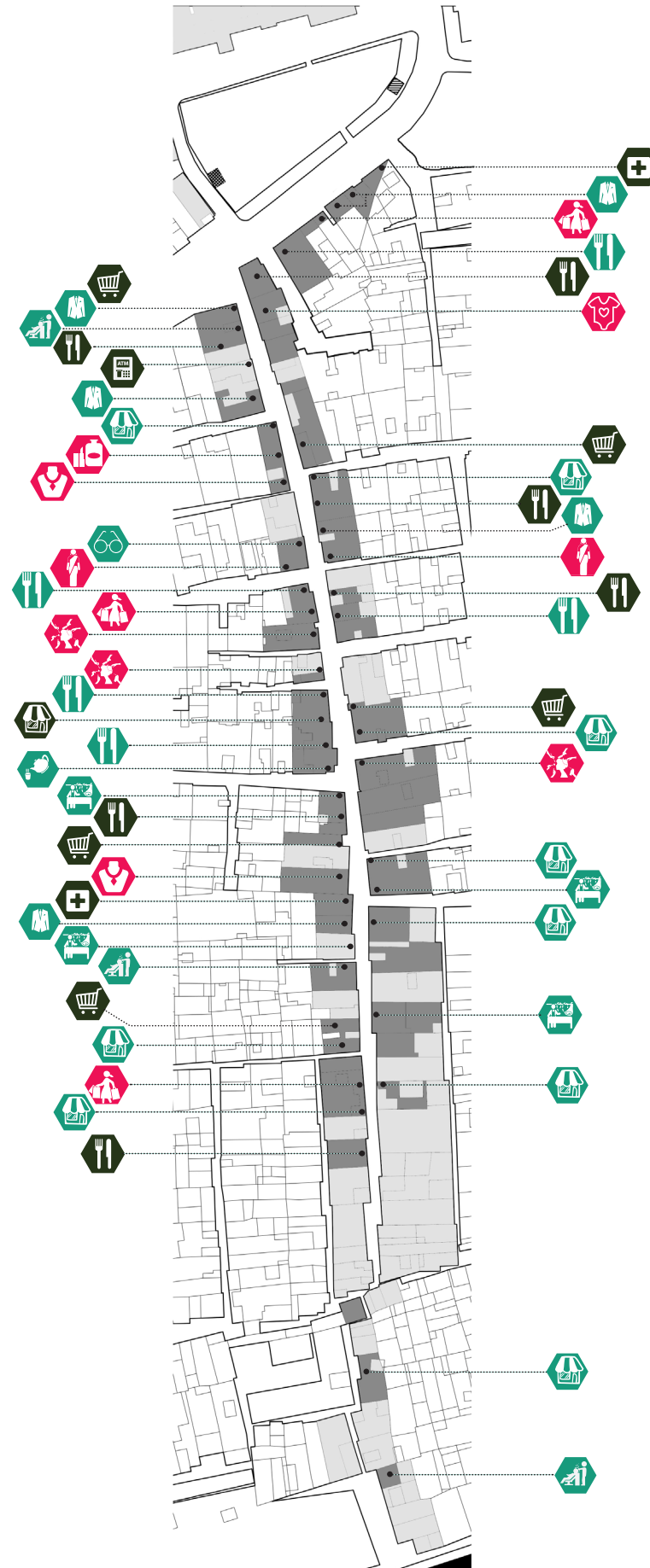


## Site Selection





# Street Analysis



Scale- 1:1000

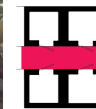
N

- Male Dominated Areas**
  - Optical Shop
  - Men's Hairdresser
  - Men's Clothing Shop
  - Tea Stall
  - Restaurant
  - Kiosk
  - Meat Shop
- Men's Clothing Shop**
  - Grocery
  - 24Hours Medicine Shop
  - Restaurant Family
  - ATM
  - Meat Shop
- Men's Clothing Shop**
  - Kids Shop
  - Women Salon
  - Women Shopping Areas
  - Cosmetics
  - Jewellery
  - Women Clothing Shop

# Typologies of the Street



Public Park



Residential Street



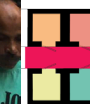
Dead End Street



Derelict Space



Dead Wall Street



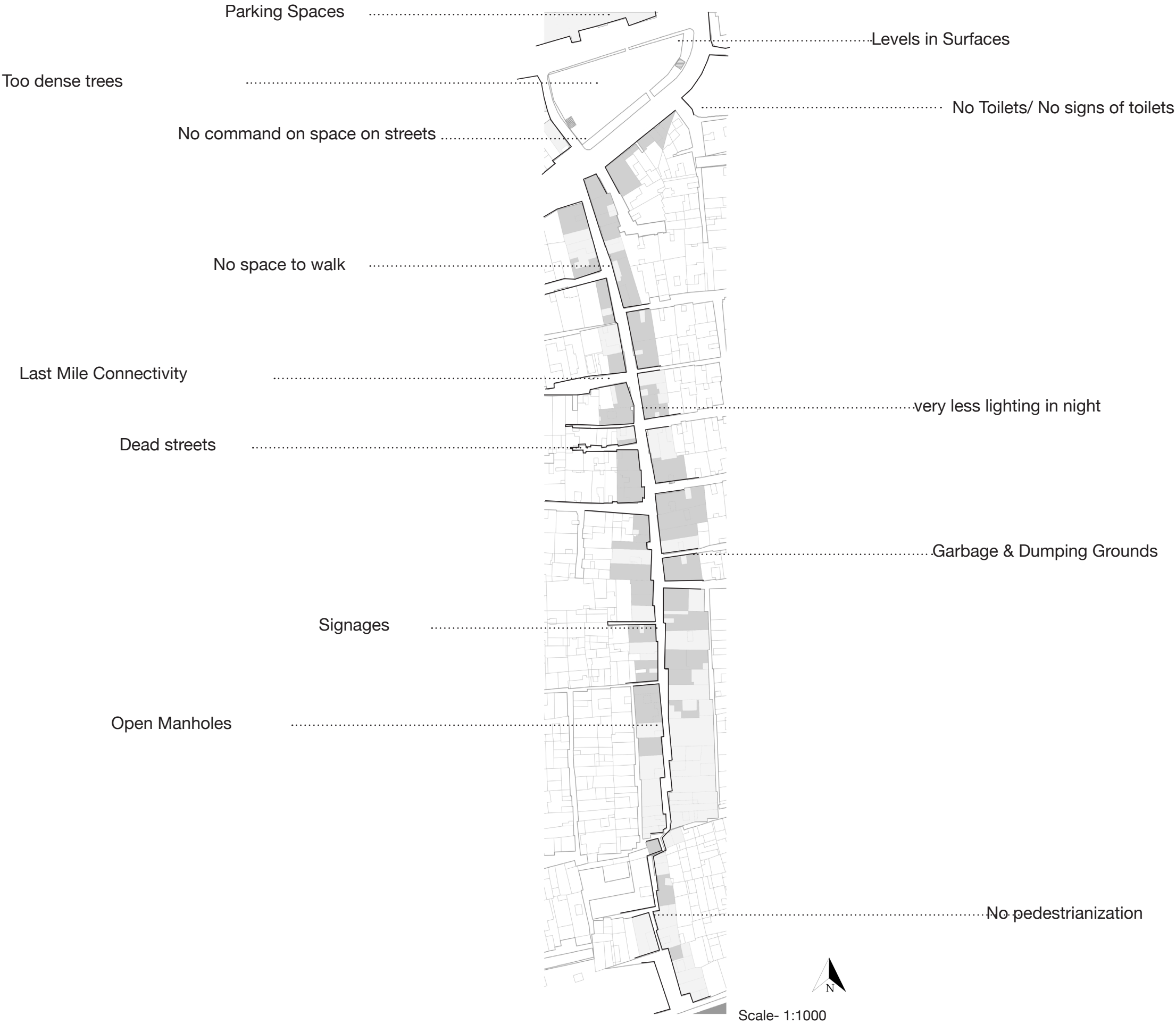
Mixed Use Street

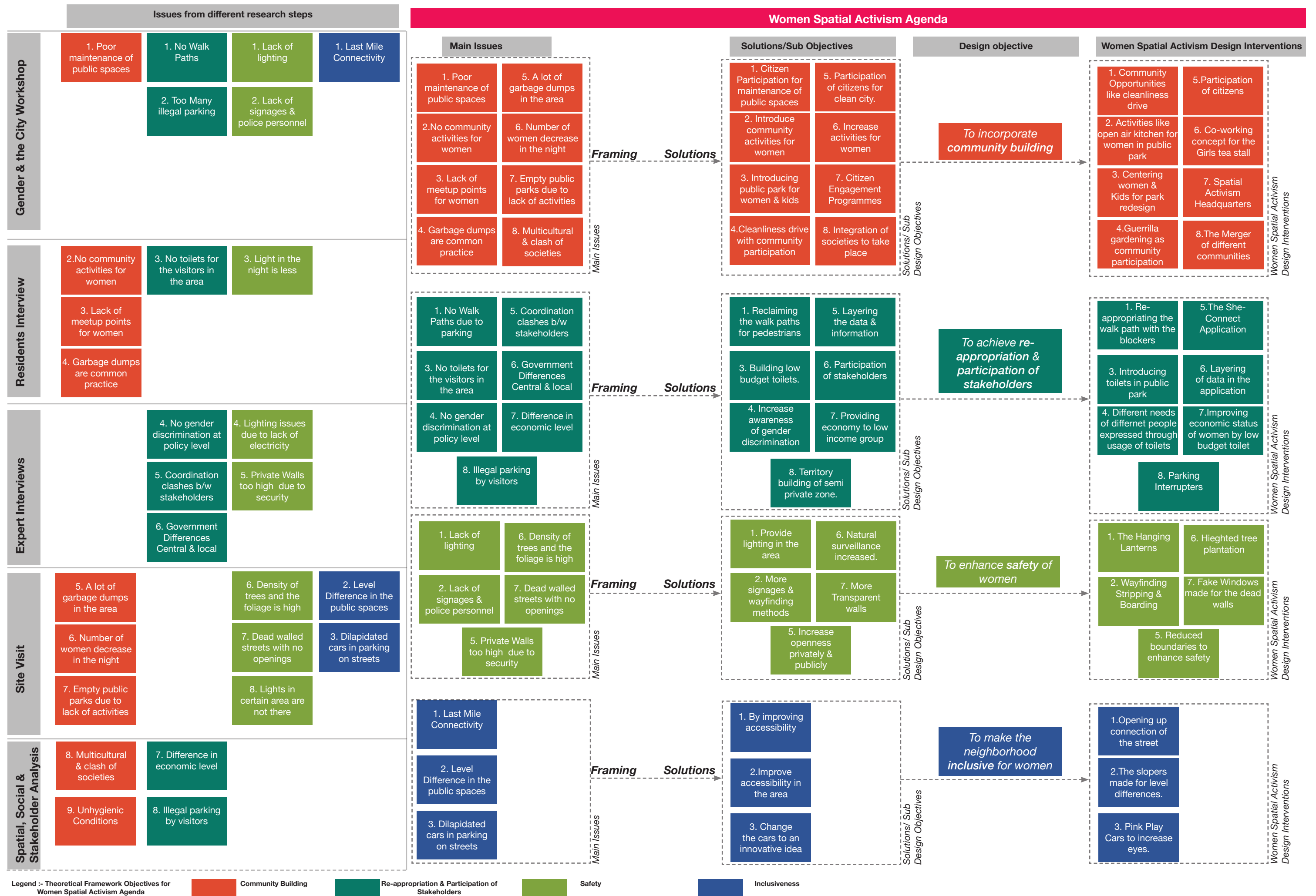


Scale- 1:1000



Issue Analysis of the Site







**#WomenSpatialActivism**

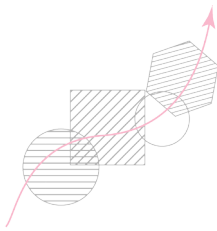
**Gender Sensitive Urban Design Principles**

Principles for Community Building

Gender Sensitive Urban Design Principles

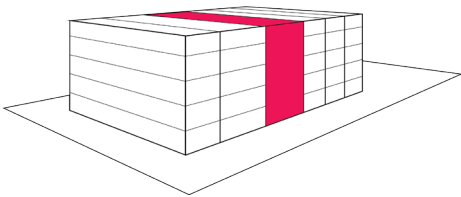
Theoretical background

Integration



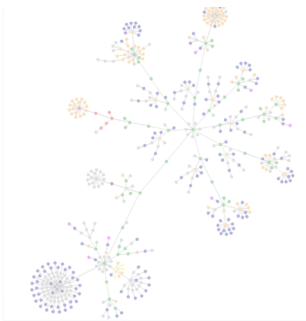
- Jan Gehl Integration of diversity
- Jane Jacobs introducing variety in age, type & conditions of built fabric.

Community Opportunities



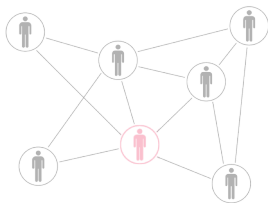
Community appropriation of meeting (punt6.org)

Co- Working Concept



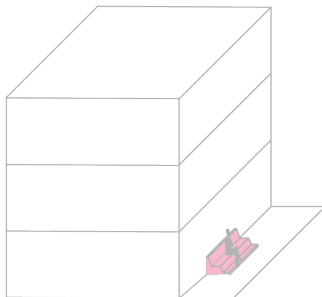
Creating a working cross between different social groups

Citizen Engagement Programs



Creating a working cross between different social groups (DIY & Tactical Urbanism)

Attract Women in Public spaces



- Gender & Built Environment by Madhavi Desai says that women in public space attracts even more women.
- Jan Gehl Sitting principles support.

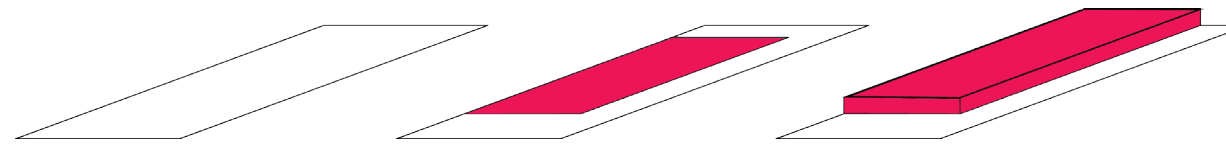


## Principles for Re-appropriation & Participation

## Gender Sensitive Urban Design Principles

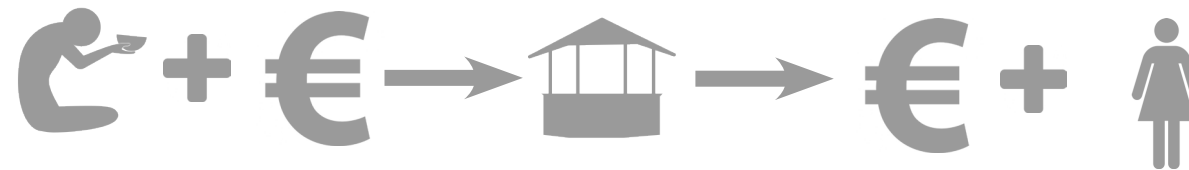
## Theoretical Background

Re-appropriation & Re-claiming



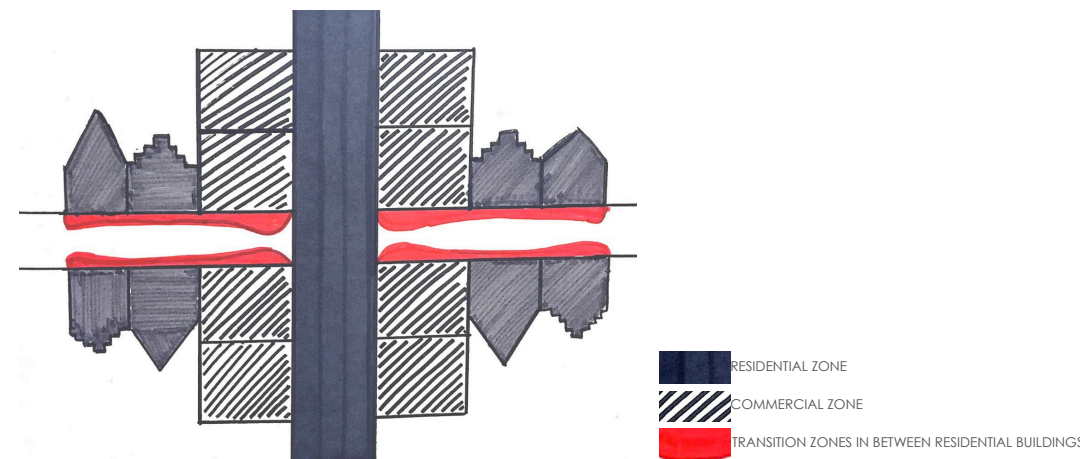
- Jane Jacobs tell to differentiate clearly between private & public spaces
- Safetipin works towards safer pathways

Improving Economic Status



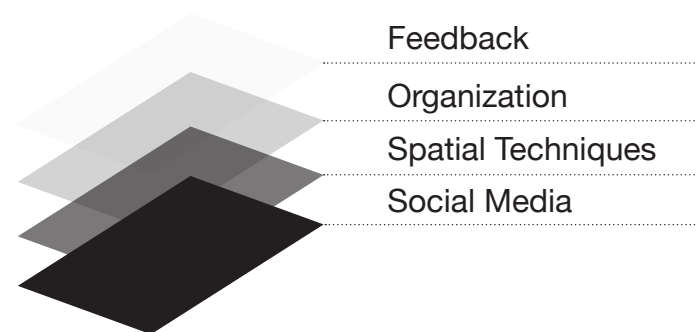
- KDI Design Initiatives is the example behind this principle of creating economic opportunity in a sustainable manner.

Territory Building



- Machiel Van Dorst define territories between private and public in the transition zones.

Digitalization



- Layering the information and data from several agencies is done by urbanists in the KDI initiative to have the best involvement of citizens.

## Principles for Safety

### Natural Surveillance

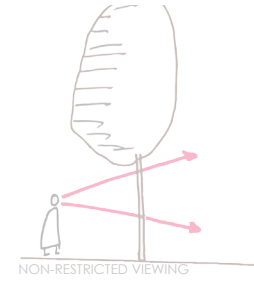
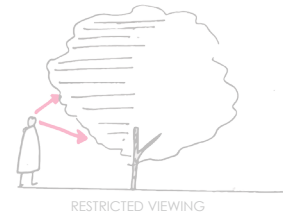
### Wayfinding

### Transparency

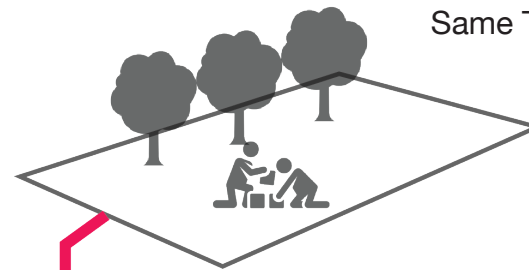
### Visibility

## Gender Sensitive Urban Design Principles

### Discourage Landscape Barrier

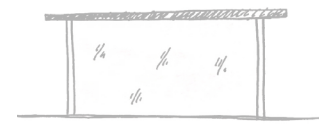


### Tree Type

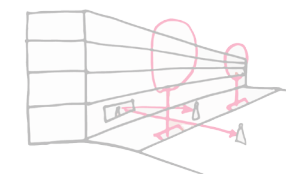


### Same Tree Type

### Same Pavement flow

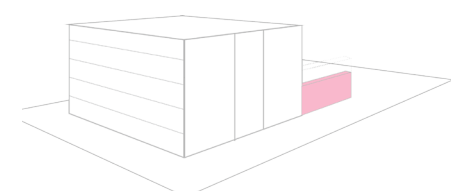
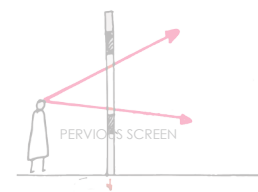
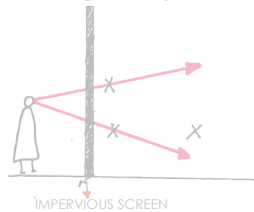


### Transparent Bus Stop Skin



### Transparent Bus Stop Skin

### Discourage Physical Barrier



### Reducing Boundary Walls

## Theoretical Background

- Crime Prevention Through Environmental design

- The first right of space, is the one of presence... the second is use and action. (Lynch, 1981)  
- Keeping same tree type and pavement to the destination

- Crime Prevention Through Environmental design

- Crime Prevention Through Environmental design  
- To see and be seen (Punt6.org)

- Crime Prevention Through Environmental design  
- Safetipin parameters to make safe spaces

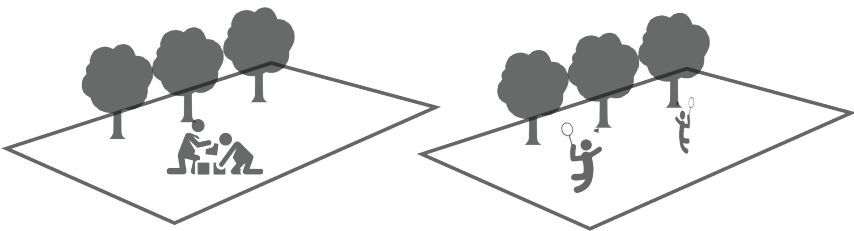


Principles for Re-appropriation & Participation

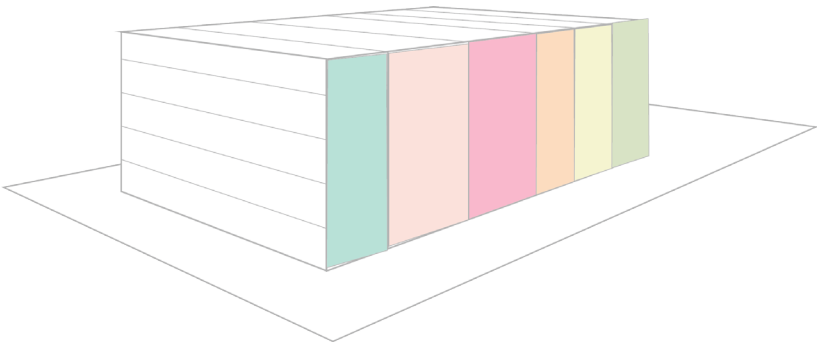
Gender Sensitive Urban Design Principles

Theoretical Background

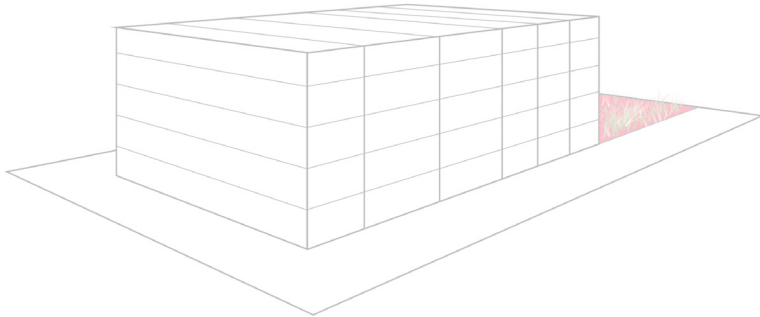
Play the City



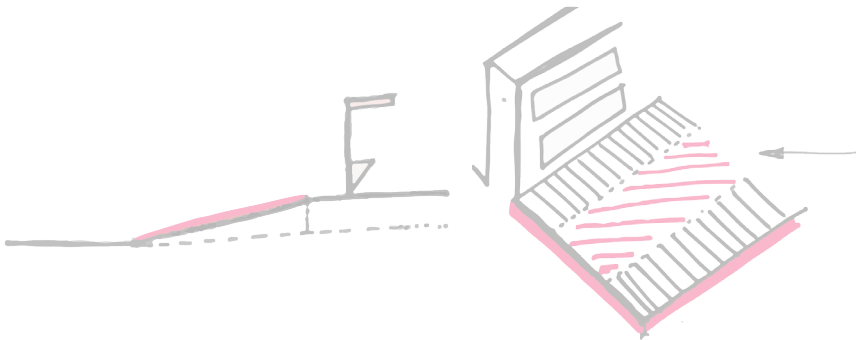
Variety



Innovation



Accessibility



- Shared Space is a relatively new concept and increases adaptability.
- Play the City example is used here.

- Shared Space is a relatively new concept and increases adaptability.
- Play the City example is used here from urban-knowledge

- Innovation is defined by punt6 as one of the gender oriented principle as its a psychological ambition of making things beautiful.

- Same level with different material to avoid inclusion issues.
- Giving ramps whenever there is level difference.

**#WomenSpatialActivism Urban Design Interventions**



# #WomenSpatialActivism - Physical Structure

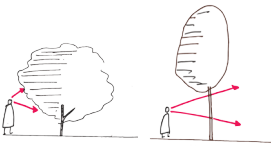
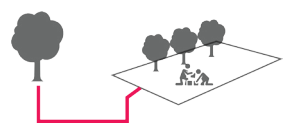
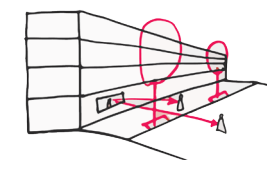
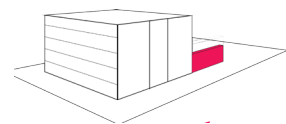

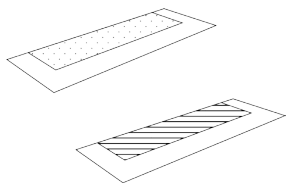
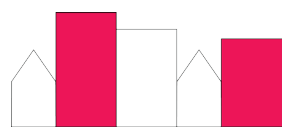
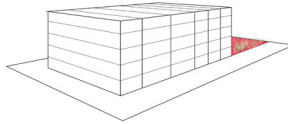
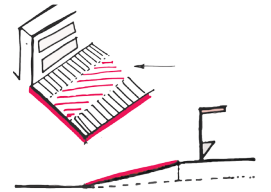
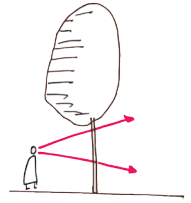
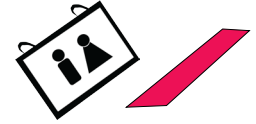
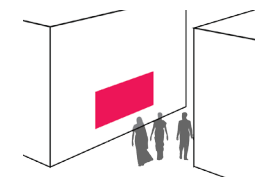
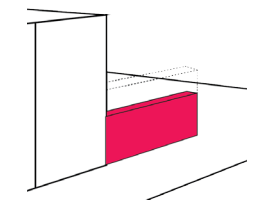
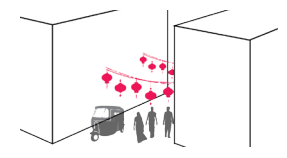
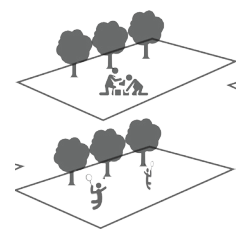
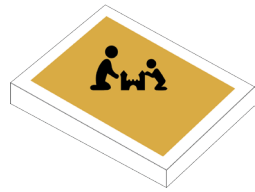

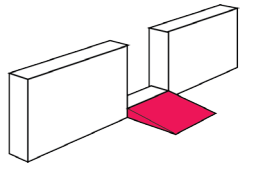









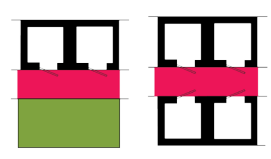
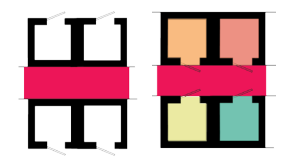

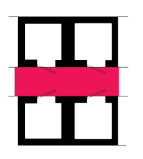
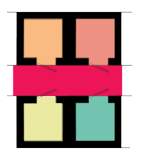
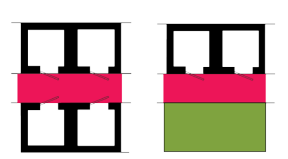
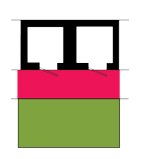
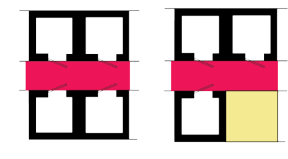
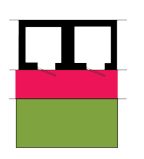
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	Integration	Community Opportunities	Co - Working Concepts	Citizens' Engagement	Attraction of Women	Re - appropriation	Improving Economic	Territory Building	Digitalization
Gender Sensitive Urban Design Principles									
Gender Sensitive Urban Design Interventions on Site (Temporary Urbanism)									
Site Scale of Interventions									
Typology of Streets of the Site									

# #WomenSpatialActivism - Physical Structure

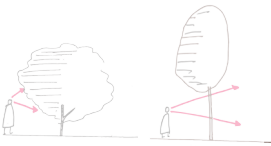

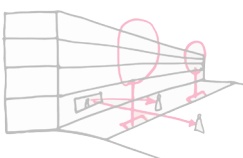


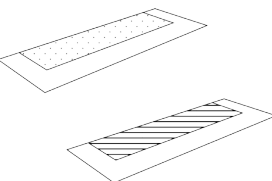

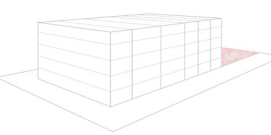
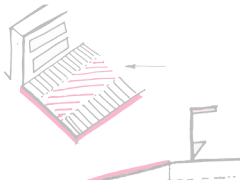
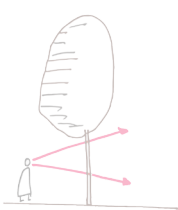
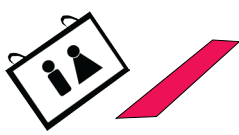
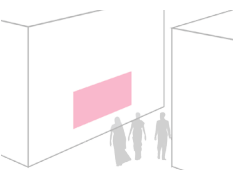
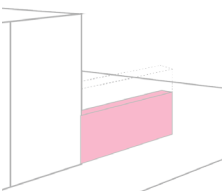
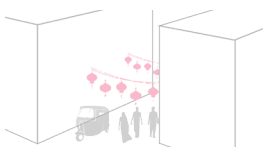
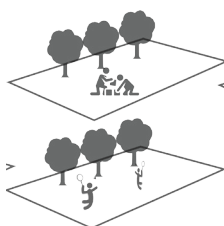

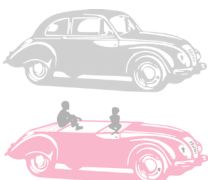
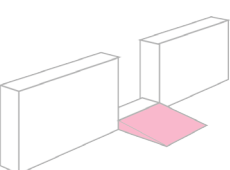









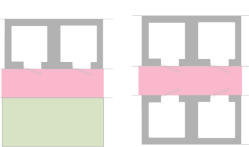
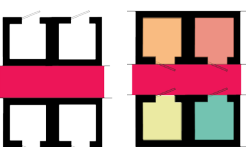

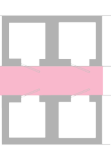





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Gender Sensitive Urban Design Principles									
Gender Sensitive Urban Design Interventions on Site (Temporary Urbanism)									
Site Scale of Interventions									
Typology of Streets of the Site									



# #WomenSpatialActivism - Physical Structure

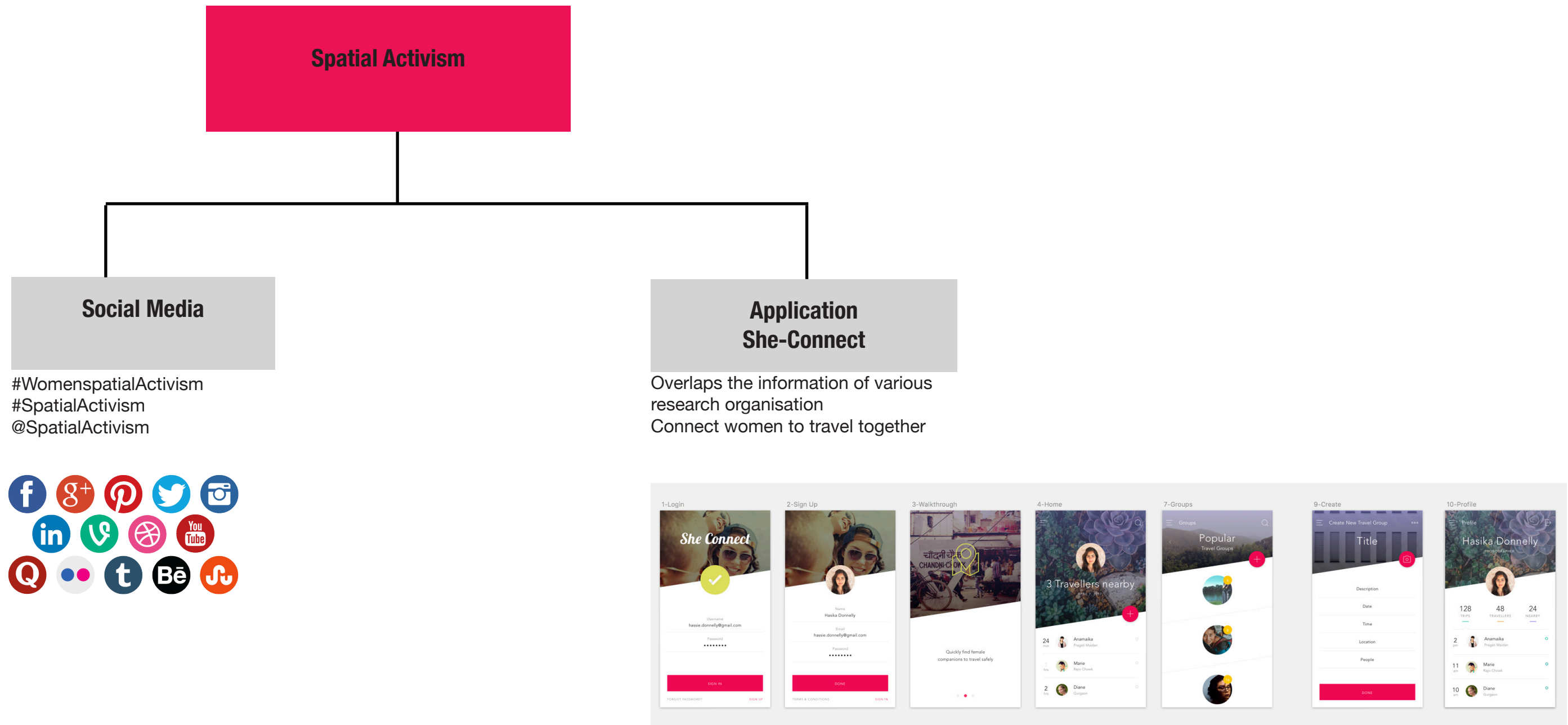
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	Natural Surveillance	Way - Finding	Transparency	Openess	Lighting	Shared Space	Variety	Innovation	Accessibility
Gender Sensitive Urban Design Principles	 no landscape barrier	 same pavement flow	 transparent walls	 reduced boundary walls	 street lamps	 shared space to attract kids	 gendered activities	 innovating spaces	 improved accessibility
Gender Sensitive Urban Design Interventions on Site (Temporary Urbanism)	 Wise Tree Plantation	 Stripping & Board Bombing	 The Fake Opening	 Reduced Boundaries	 The Hanging Lanterns	 Play in the city	 The sandboxes	 The play car	 The wooden slopers
Site Scale of Interventions									
Typology of Streets of the Site									

#WomenSpatialActivism - Physical Structure

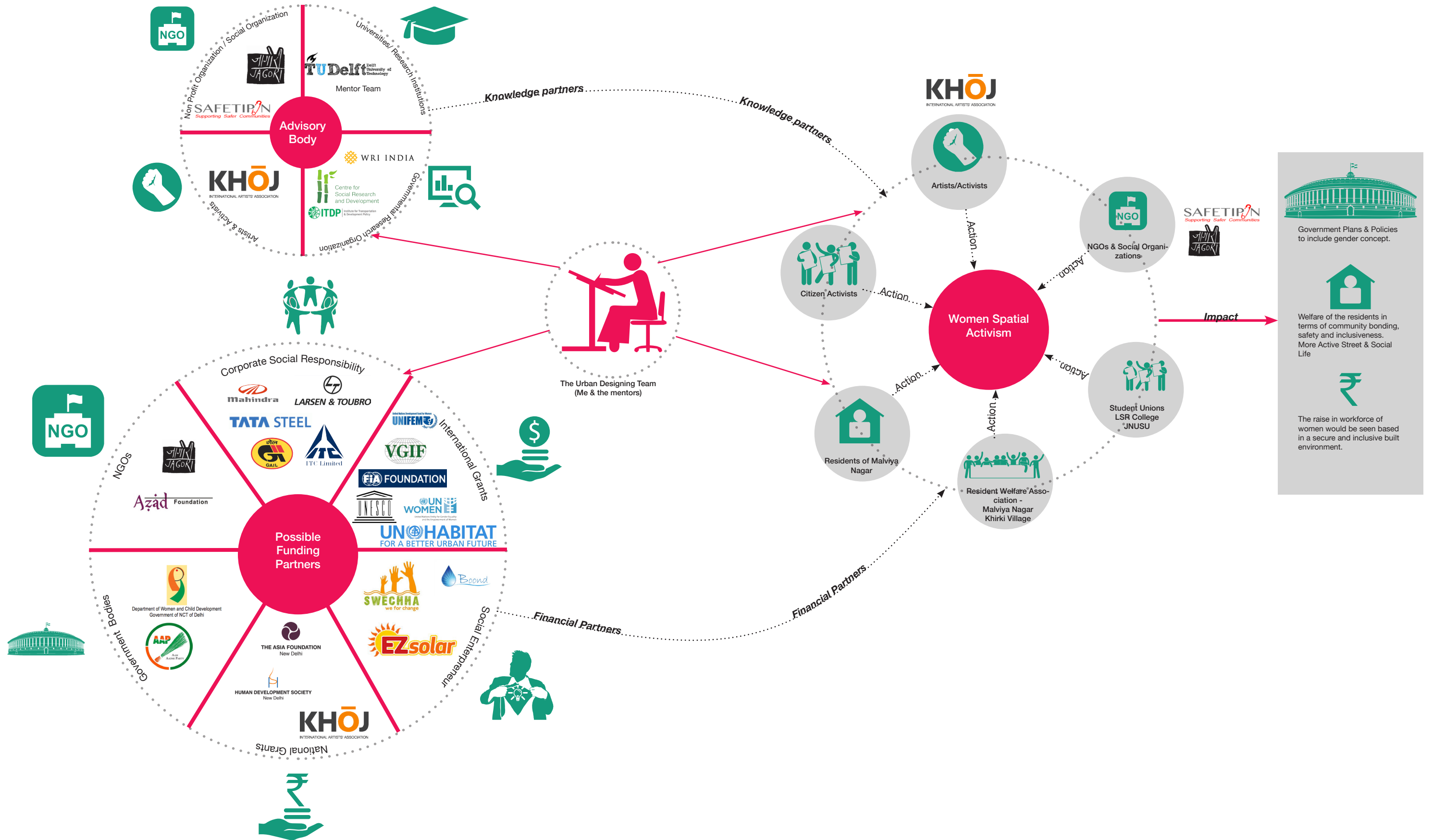
	SAFETY					INCLUSIVENESS			
	Natural Surveillance	Way - Finding	Transparency	Openess	Lighting	Play in the City	Variety	Innovation	Accessibility
Gender Sensitive Urban Design Principles	 no landscape barrier	 same pavement flow	 transparent walls	 reduced boundary walls	 street lamps	 shared space to attract kids	 gendered activities	 innovating spaces	 improved accessibility
Gender Sensitive Urban Design Interventions on Site (Temporary Urbanism)	 Correct Vision	 Wayfinding strips & Boards	 Fake Windows	 Reduced Boundaries	 Light your lantern	 Snakes & ladder	 The sandboxes	 The play car	 The wooden slopers
Site Scale of Interventions									
Typology of Streets of the Site									



# #WomenSpatialActivism - Digital Structure

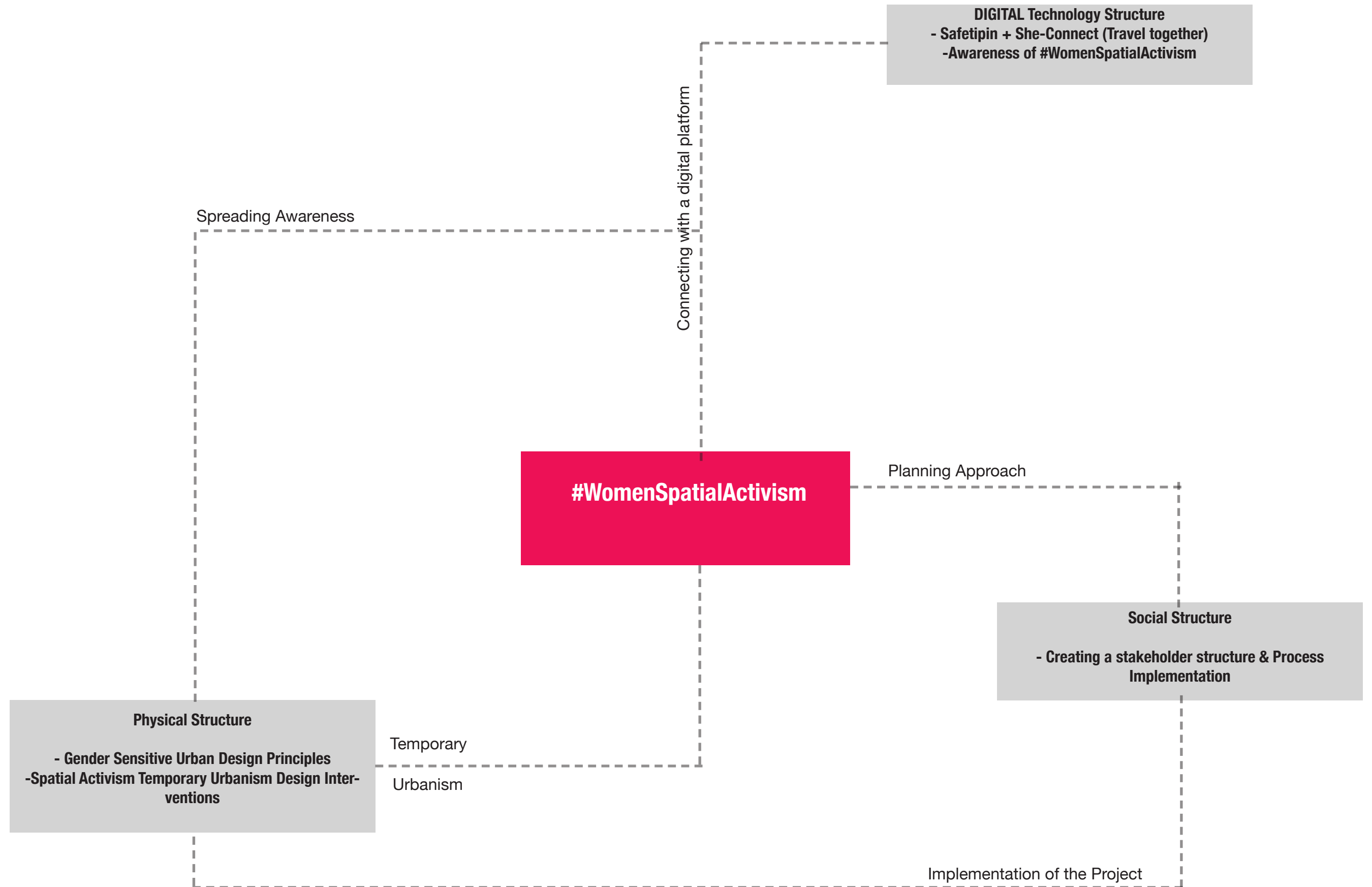


# #WomenSpatialActivism - Stakeholder Structure

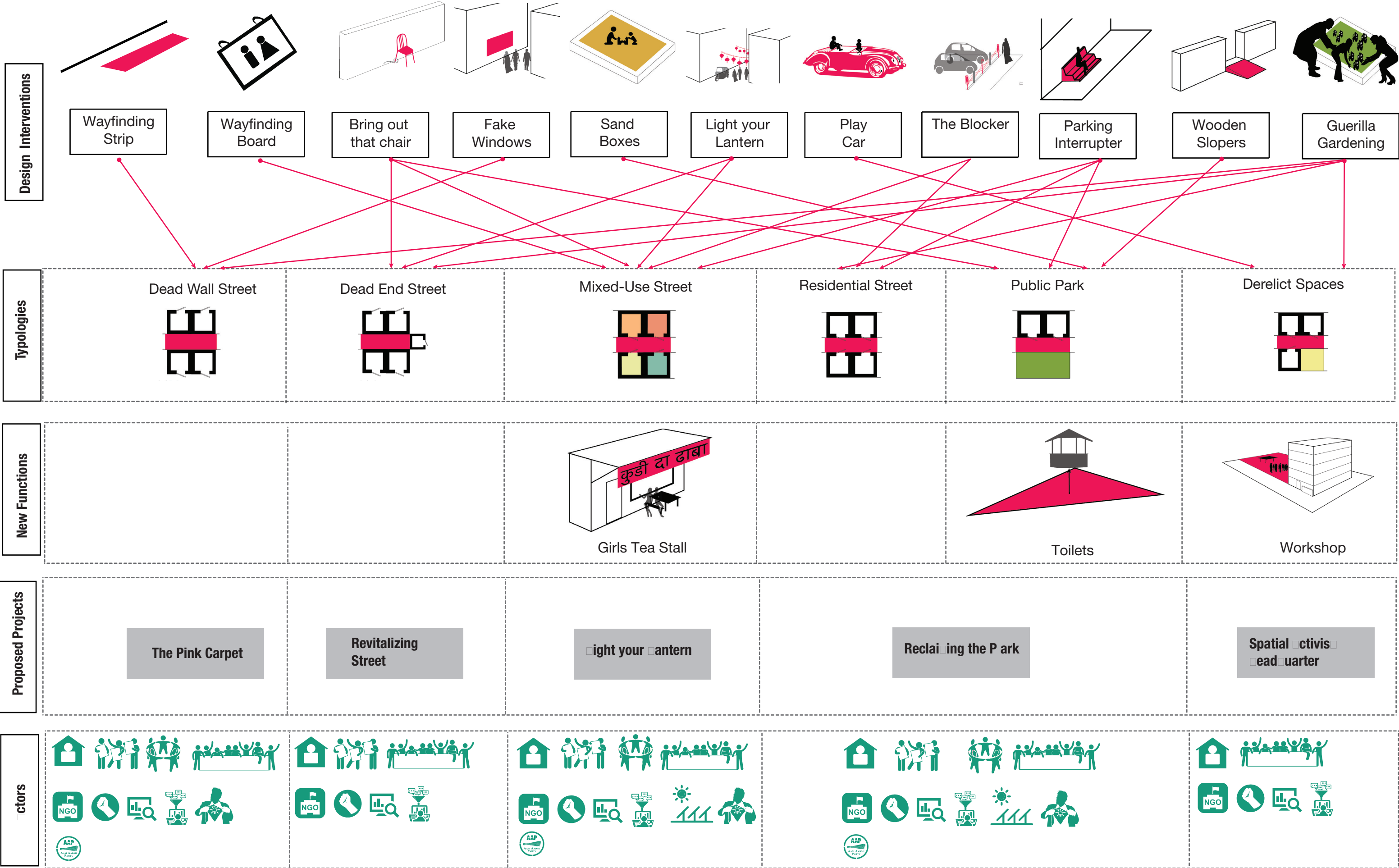




# #WomenSpatialActivism Strategy

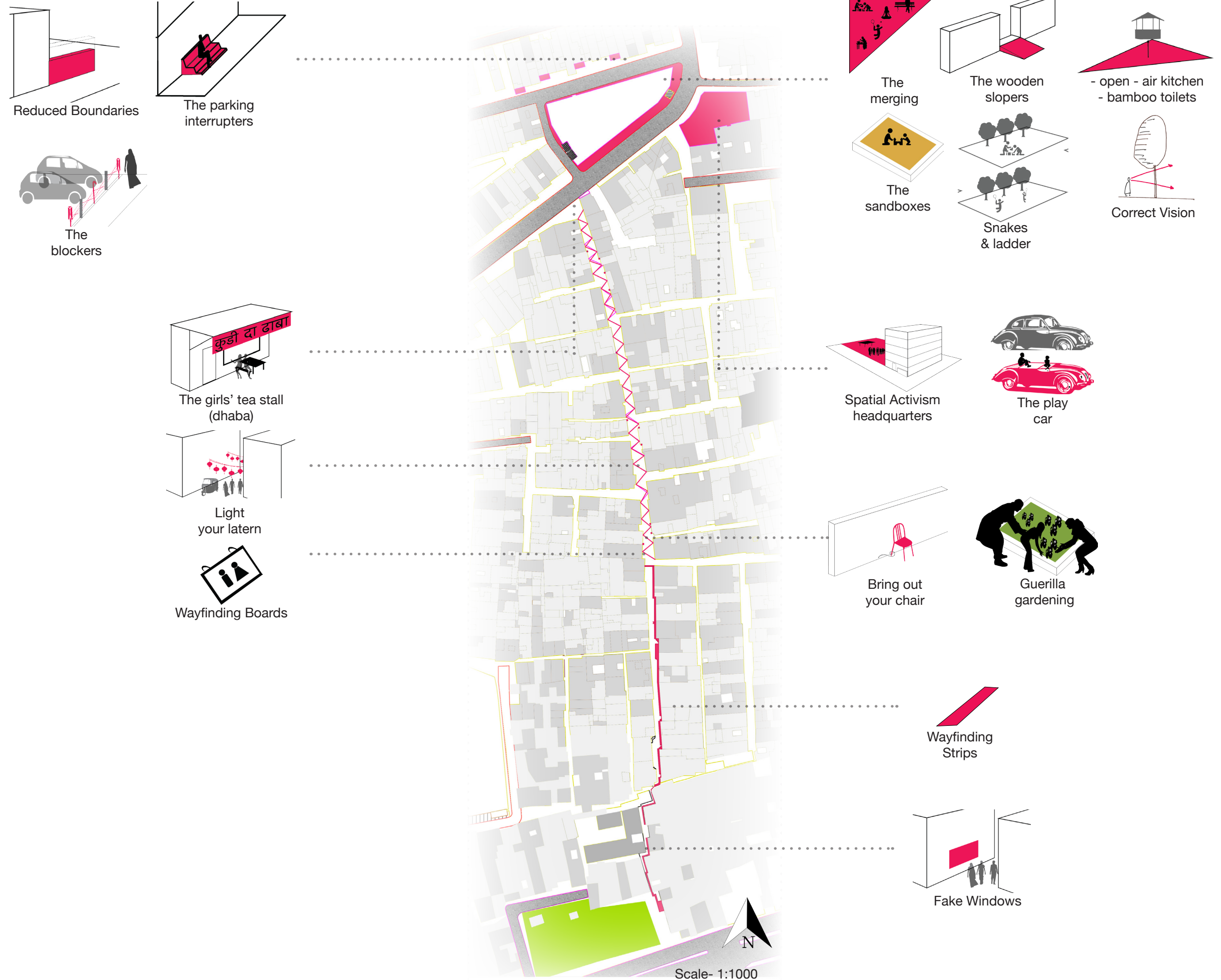


Key Projects





# The Masterplan



# Key Projects

Reduced Boundaries

The parking interrupters

The blockers

**Reclaiming the Park-ing**

The girls' tea stall (dhaba)

Light your lantern

Wayfinding Boards

**Light your Lantern**



The merging

The wooden slopers

- open - air kitchen  
- bamboo toilets

The sandboxes

Snakes & ladder

Correct Vision

**Reclaiming the Park-ing**

Spatial Activism headquarters

The play car

**Spatial Activism Headquarters**

Bring out your chair

Guerilla gardening

**Revitalising Street**

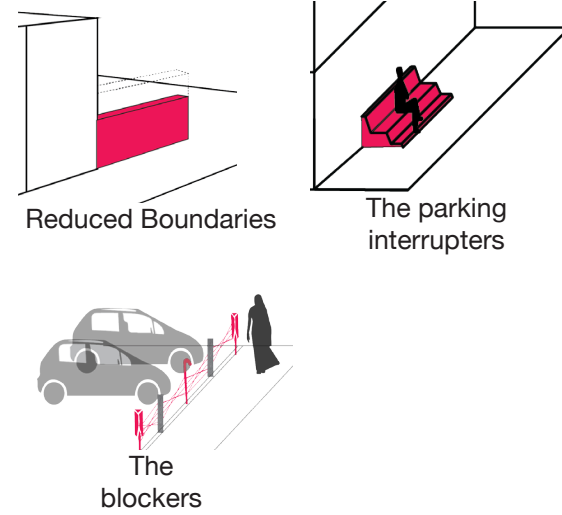
Wayfinding Strips

Fake Windows

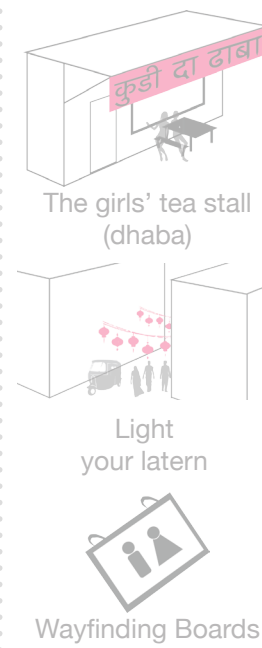
**The Pink Carpet**



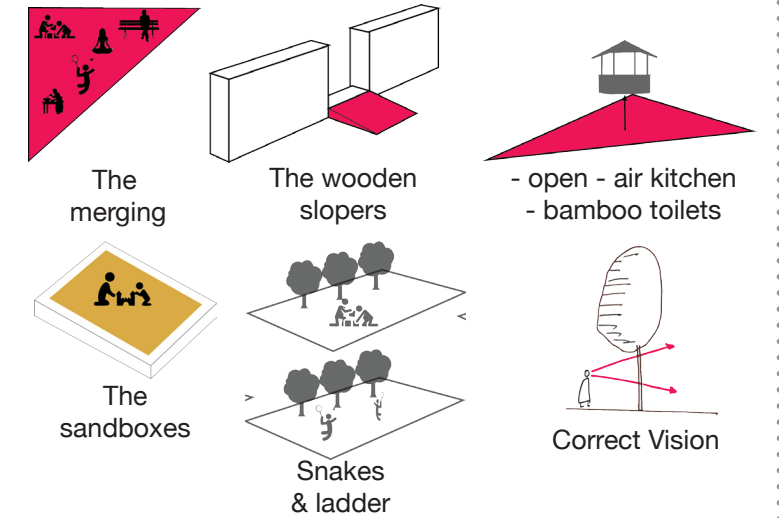
# Reclaiming the Park



## Reclaiming the Park



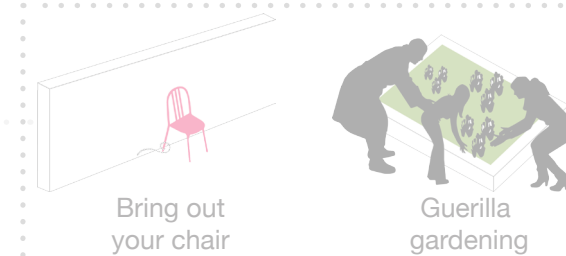
## Light your Lantern



## Reclaiming the Park



## Spatial Activism Headquarters



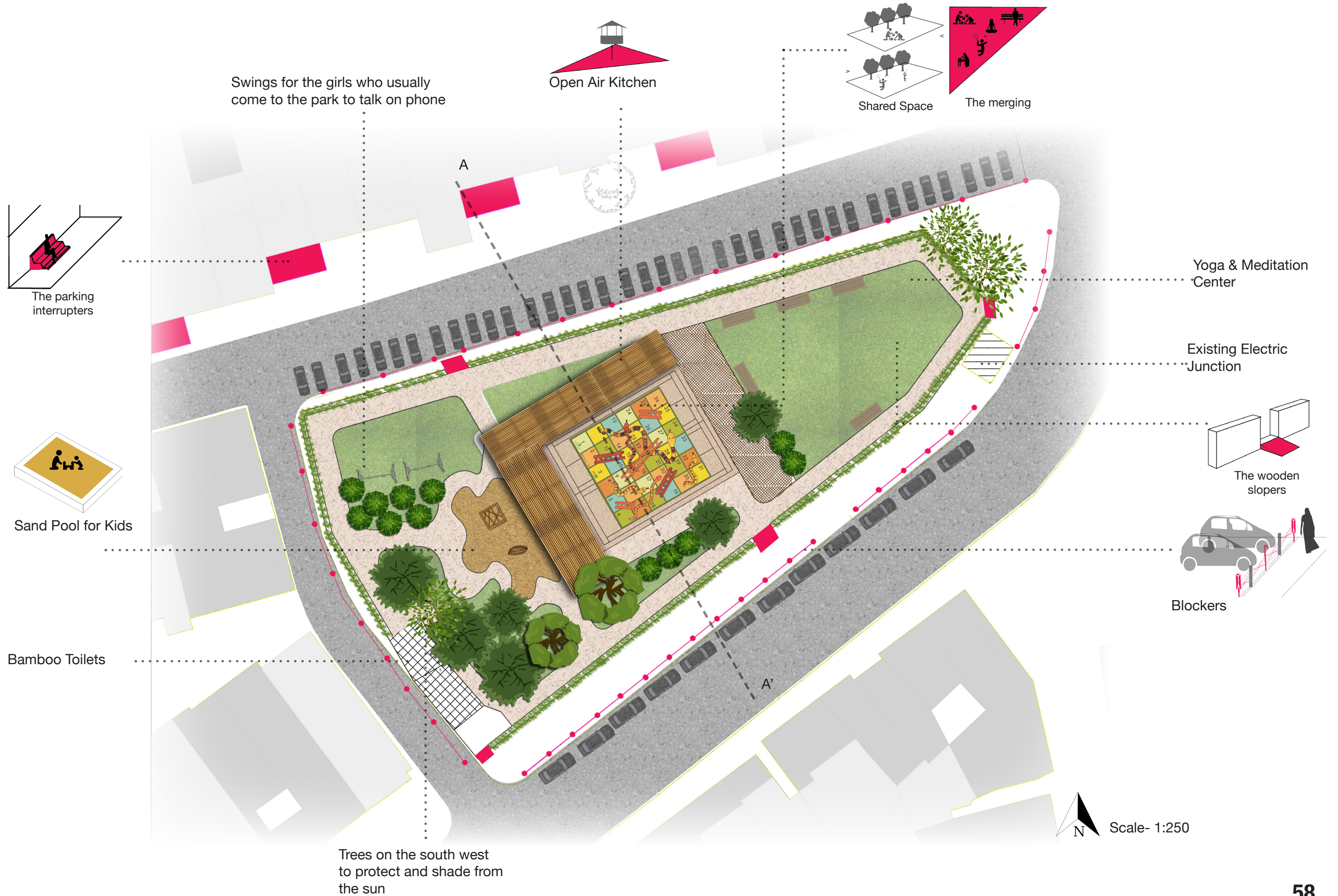
## Revitalising Street



## The Pink Carpet

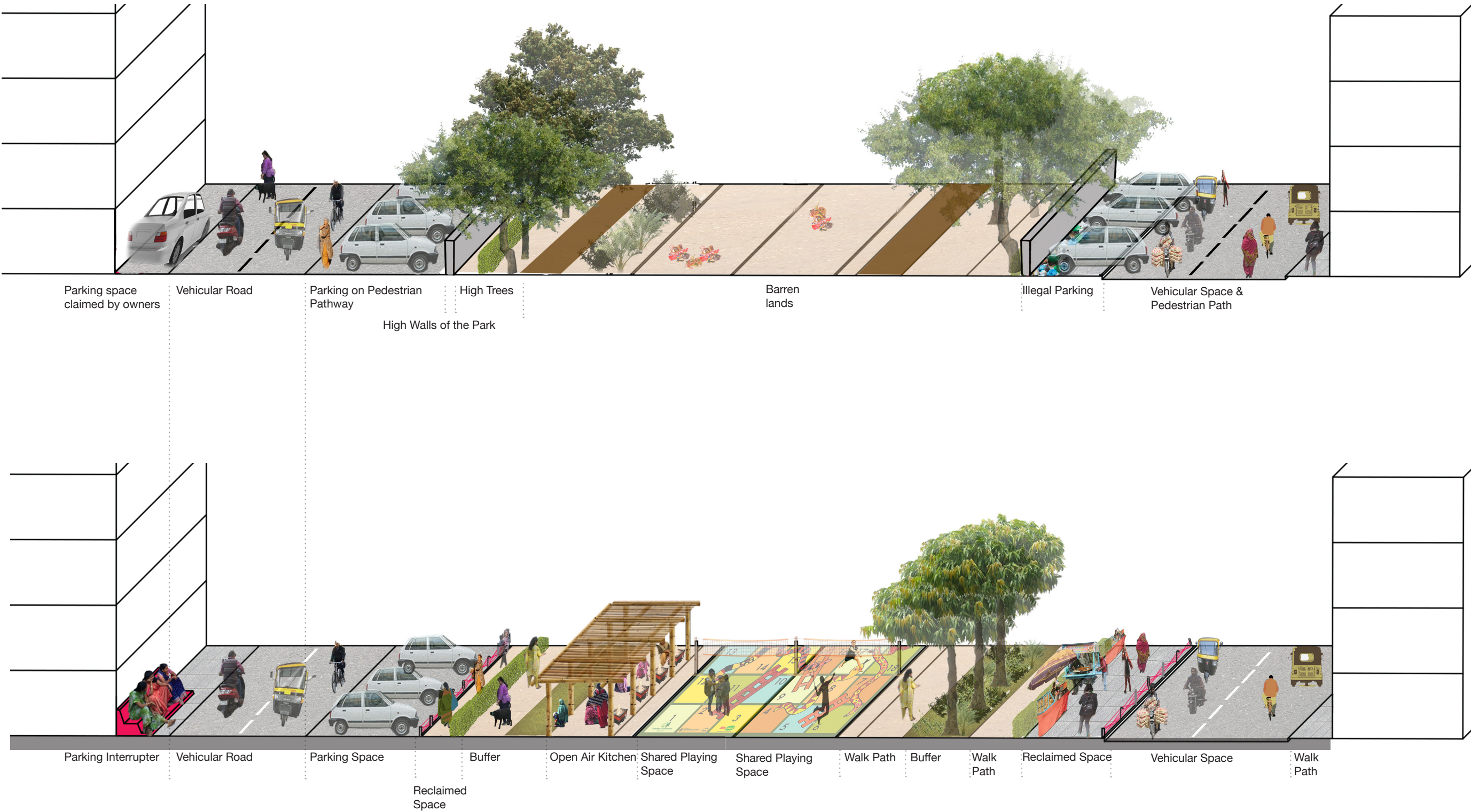


# Reclaiming the Park Masterplan





Section AA'





## The Reclaimed Park



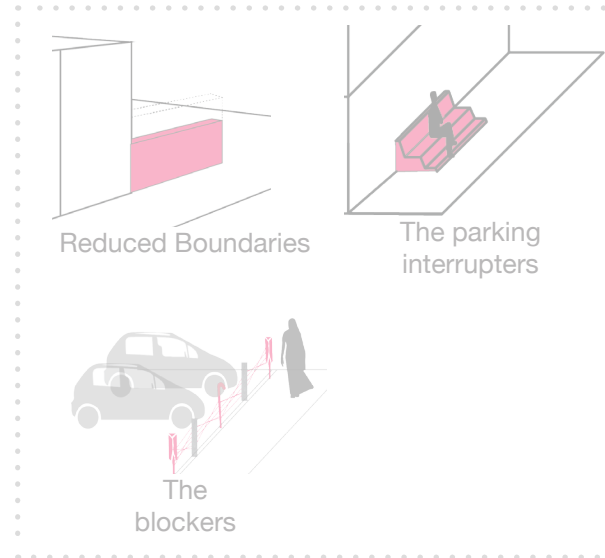


## Sand Pool Area





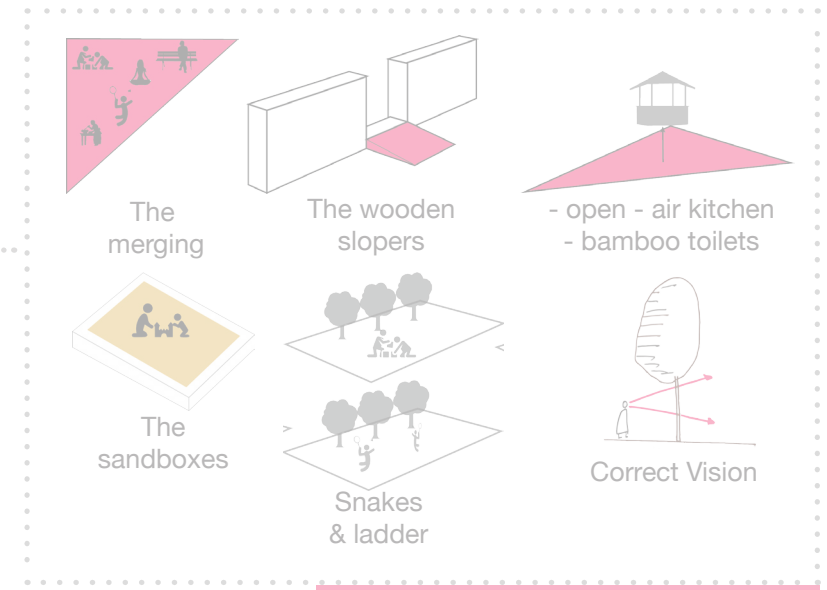
# The Pink Carpet



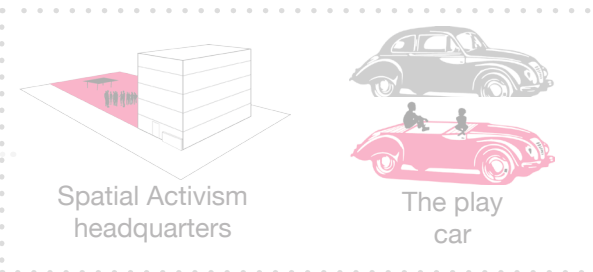
## Reclaiming the Park



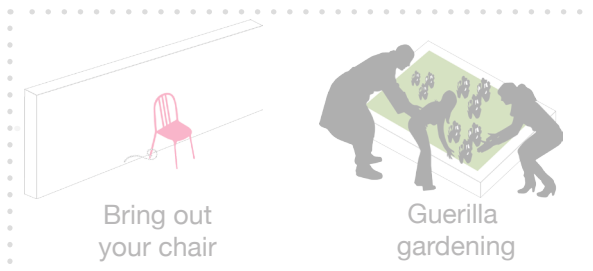
## Light your Lantern



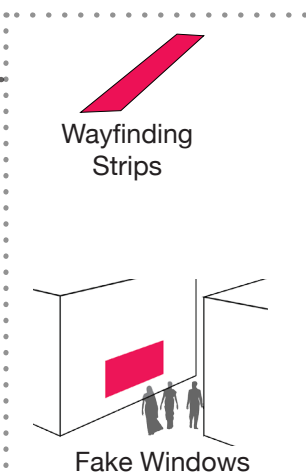
## Reclaiming the Park



## Spatial Activism Headquarters



## Revitalising Street

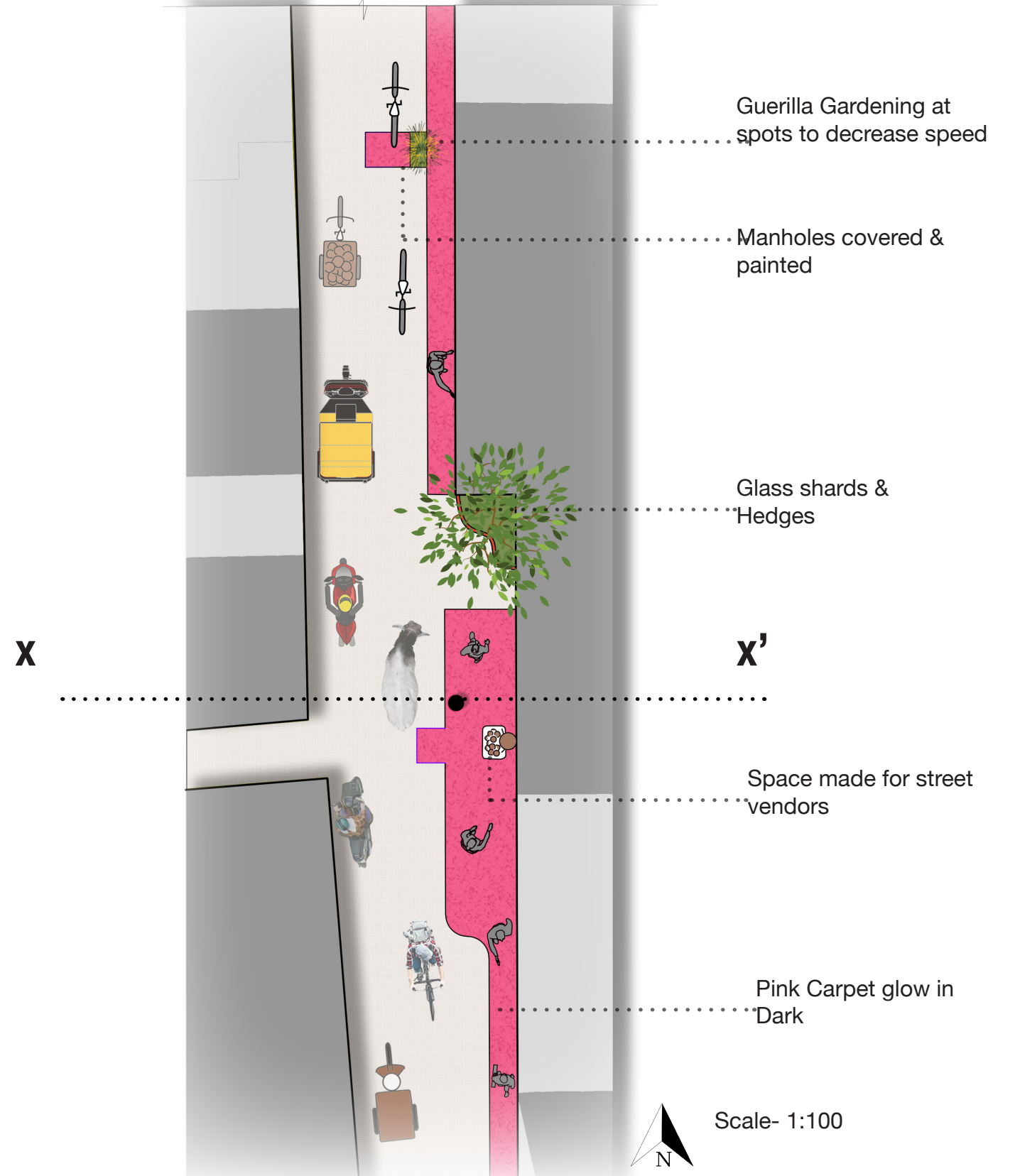
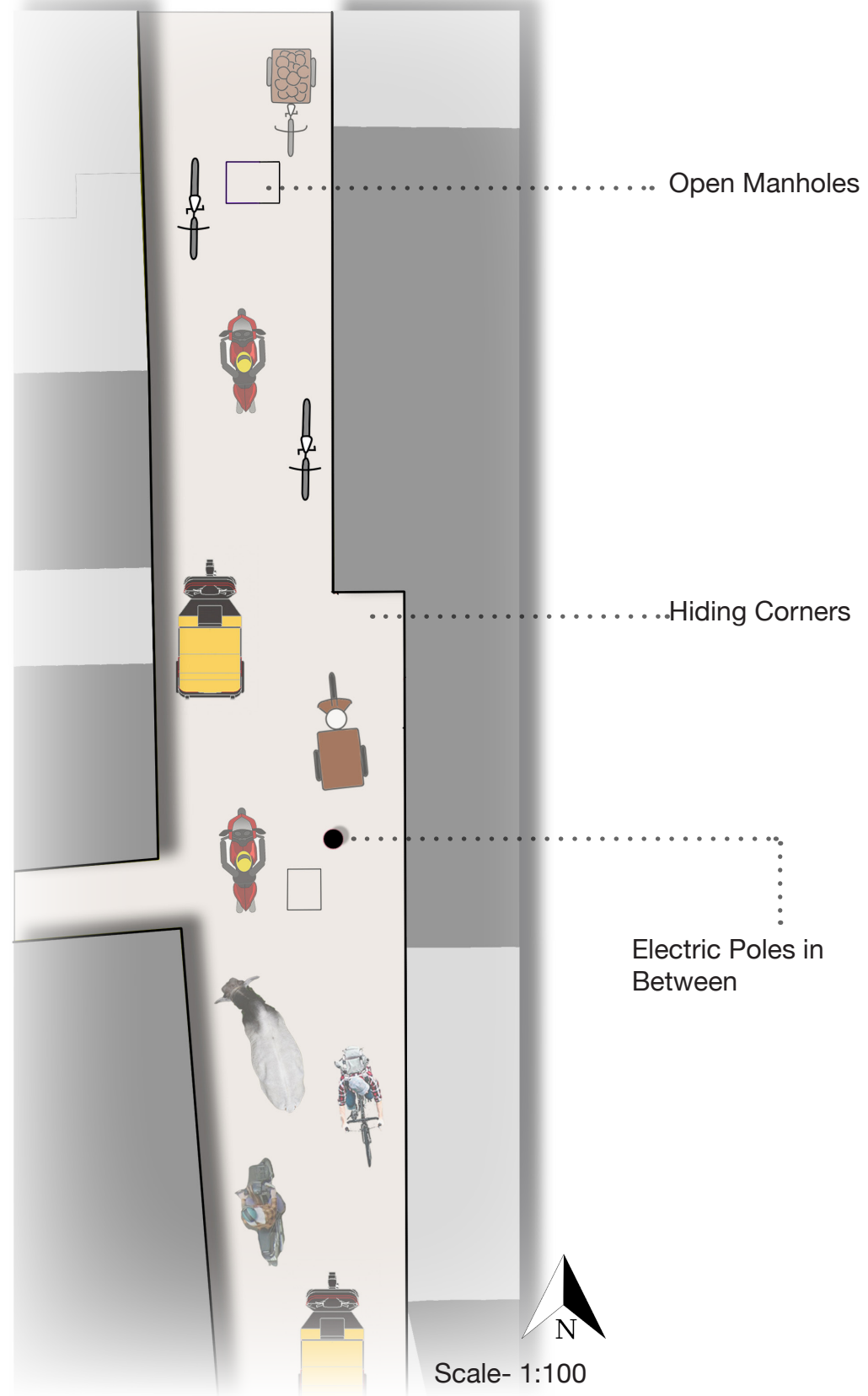


## The Pink Carpet

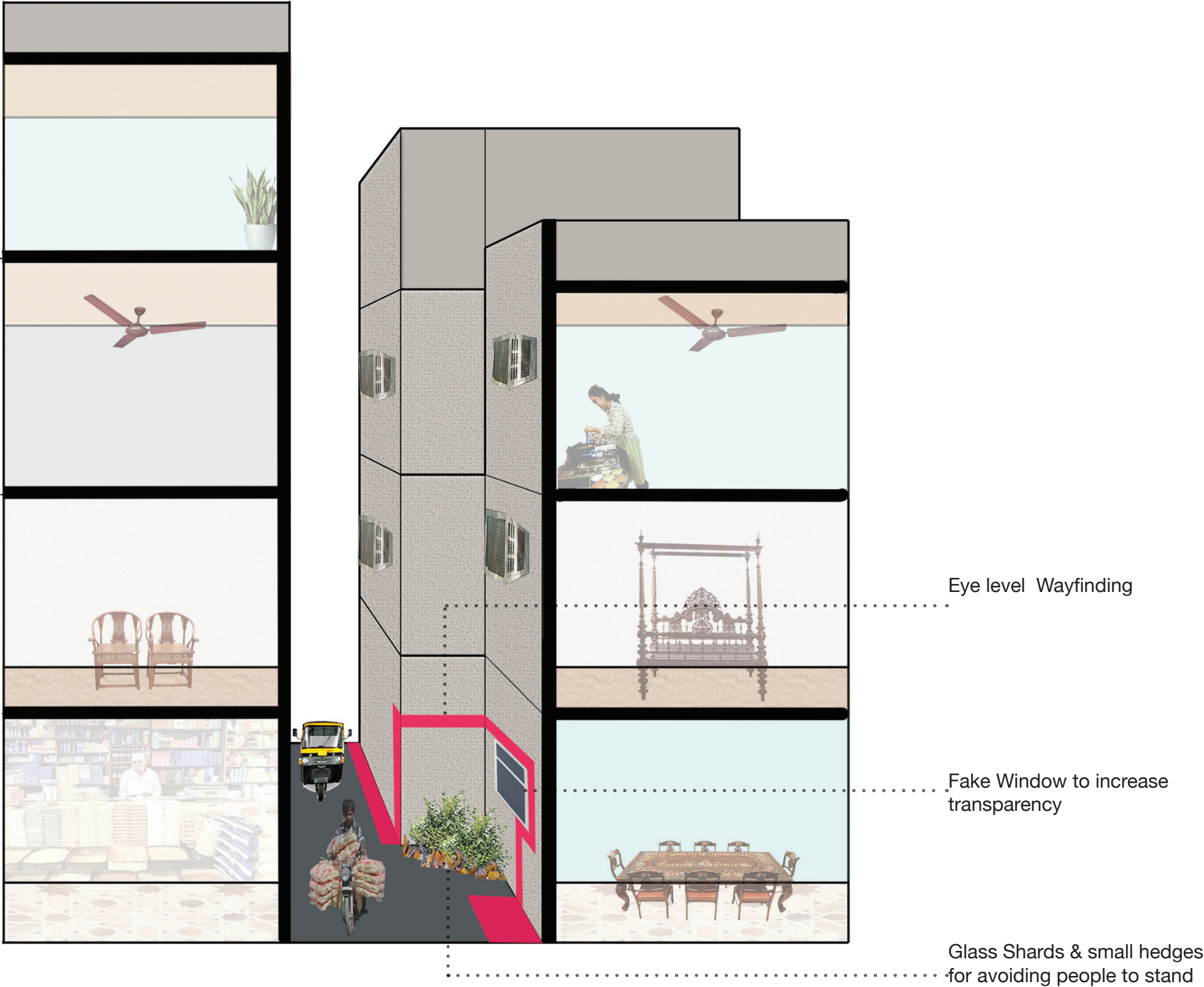




## The Pink Carpet Plan



The Isometric

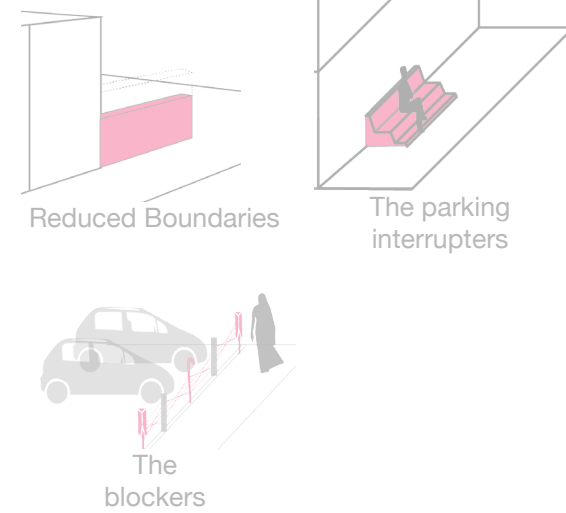




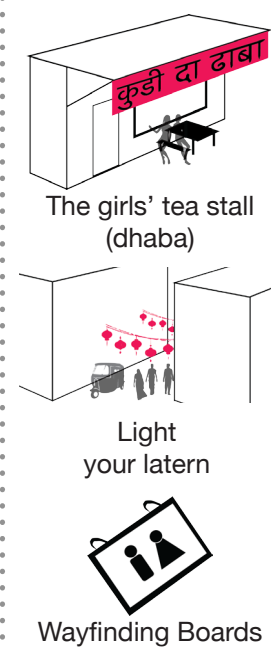
## The Isometric Night View



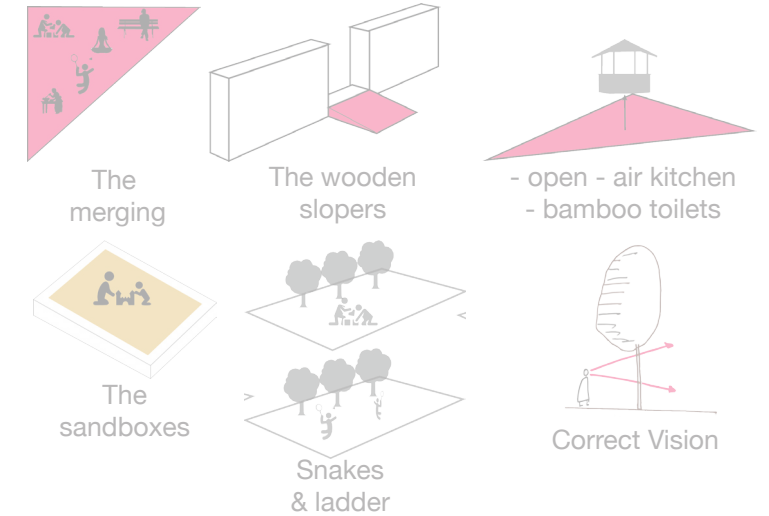
## Light your Lantern



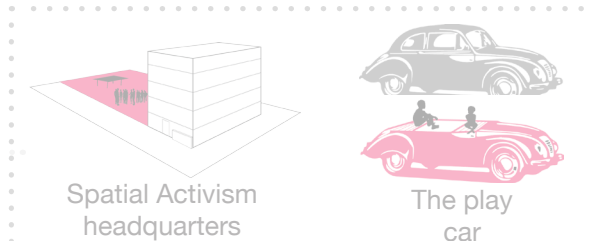
### Reclaiming the Park



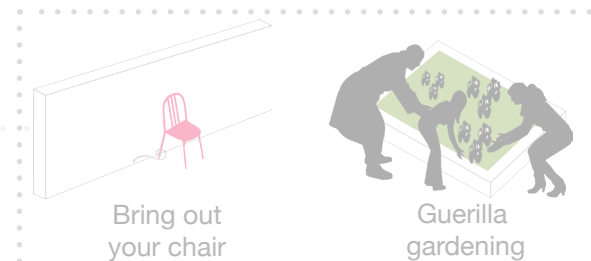
### Light your Lantern



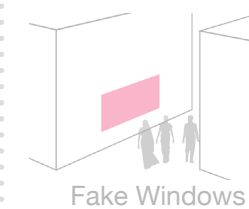
### Reclaiming the Park



### Spatial Activism Headquarters



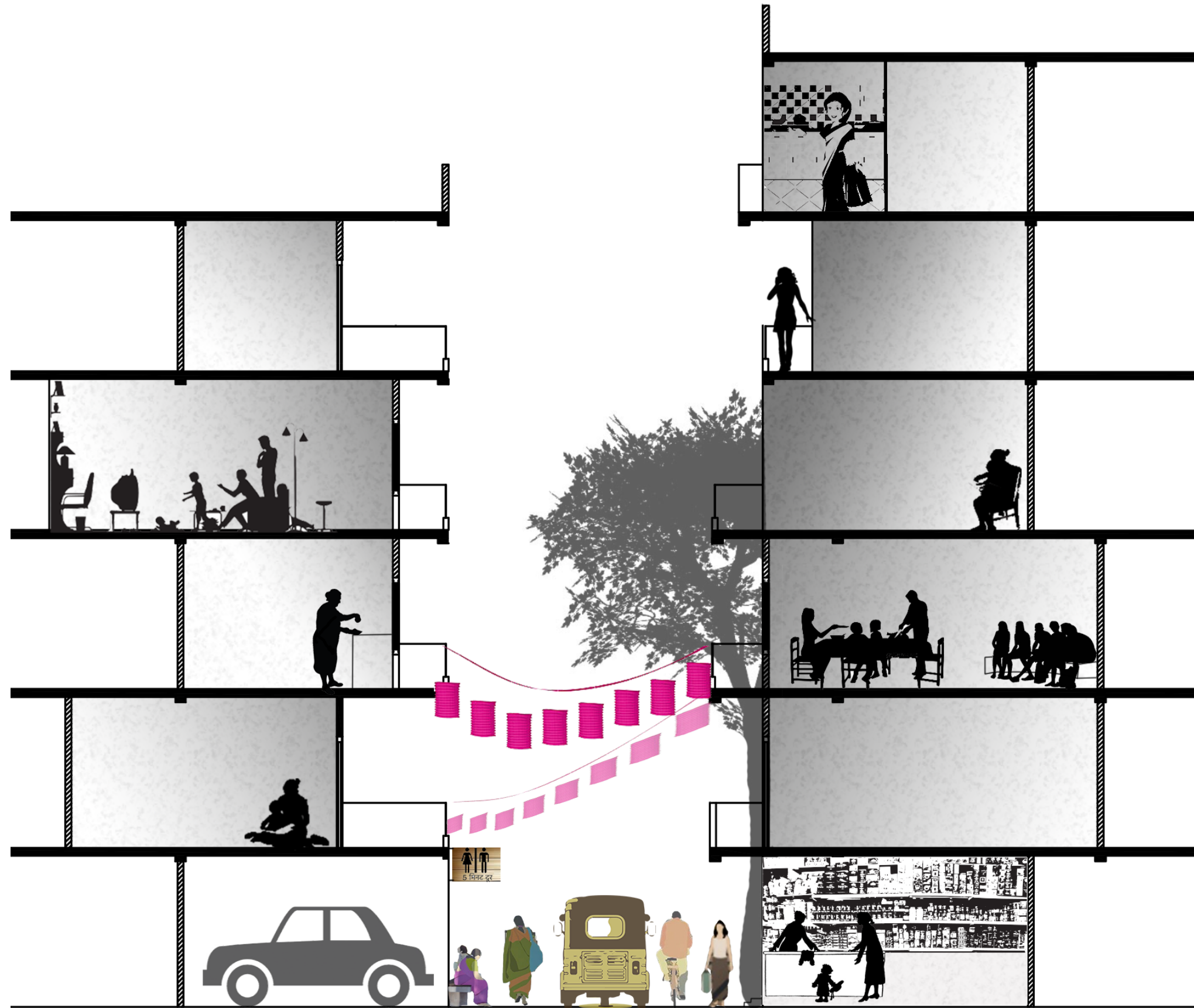
### Revitalising Street



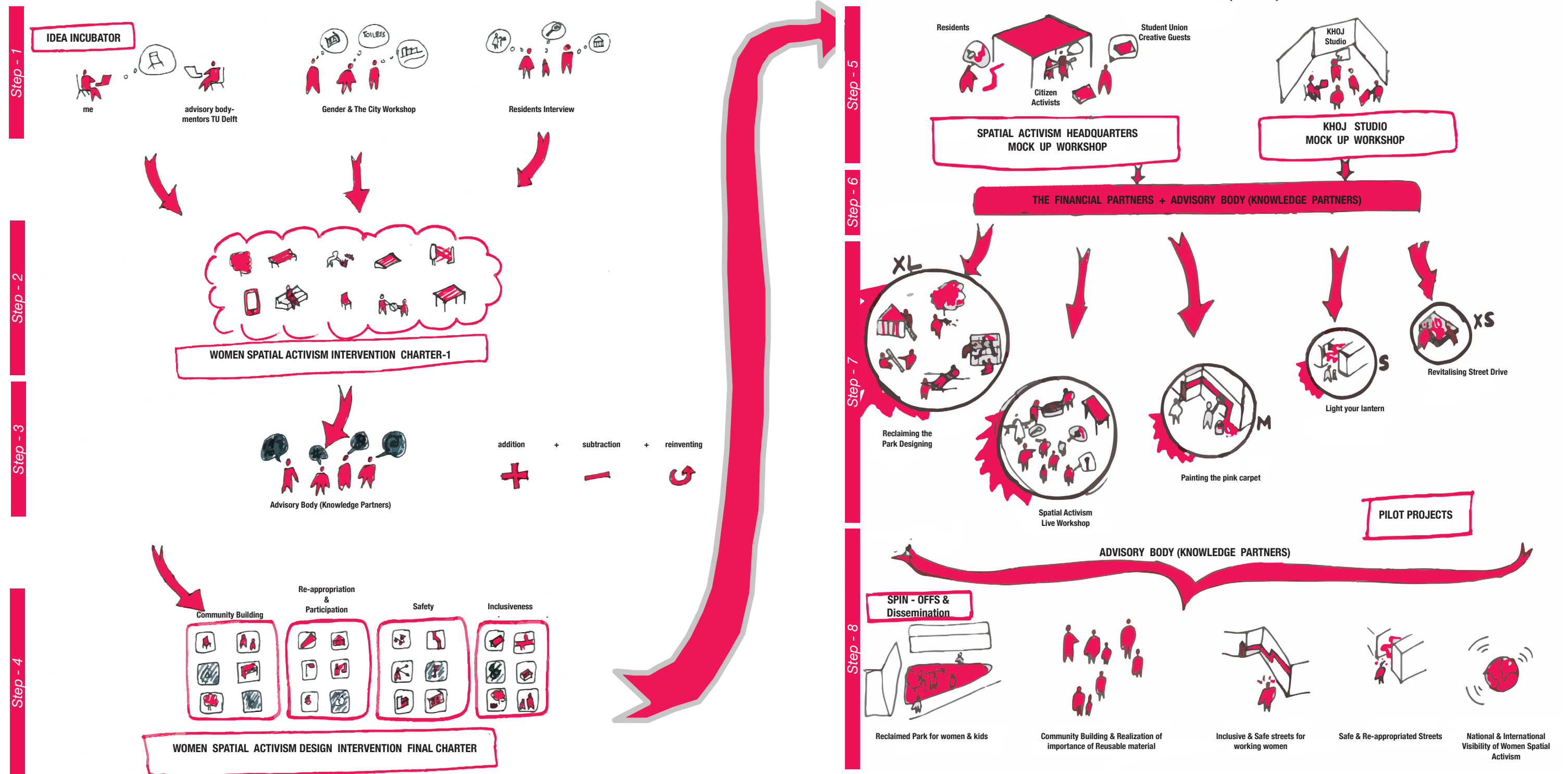
### The Pink Carpet



## Light Your Lantern

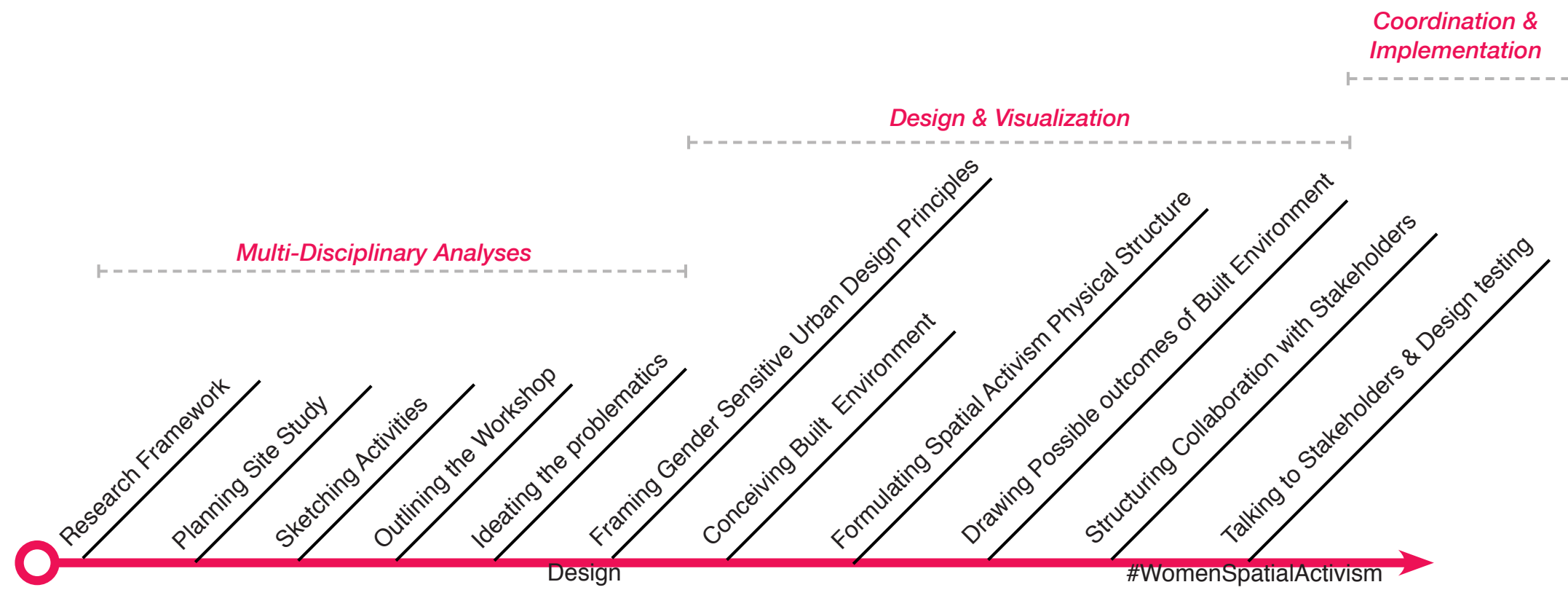


# Design process

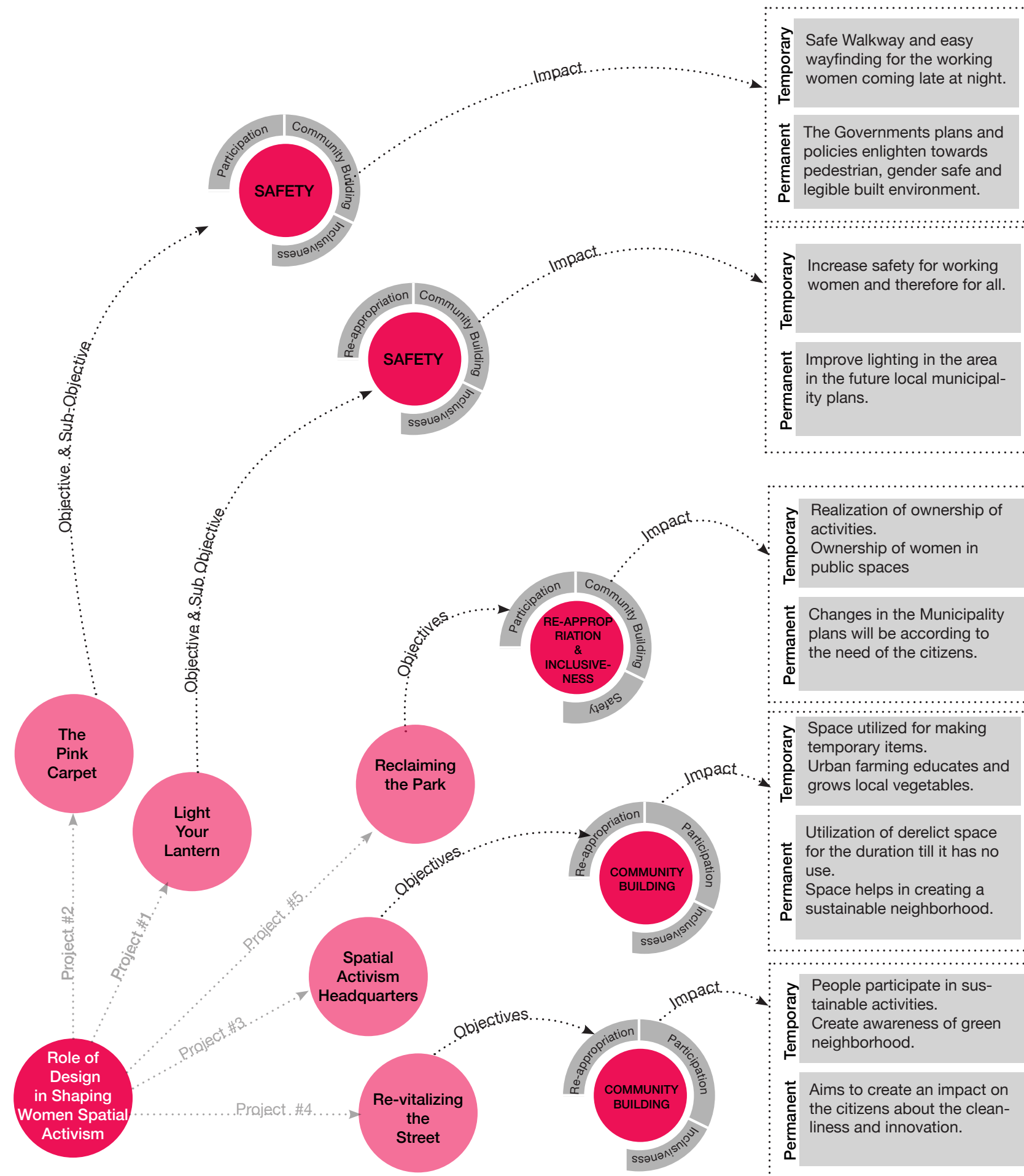




# Design as a process

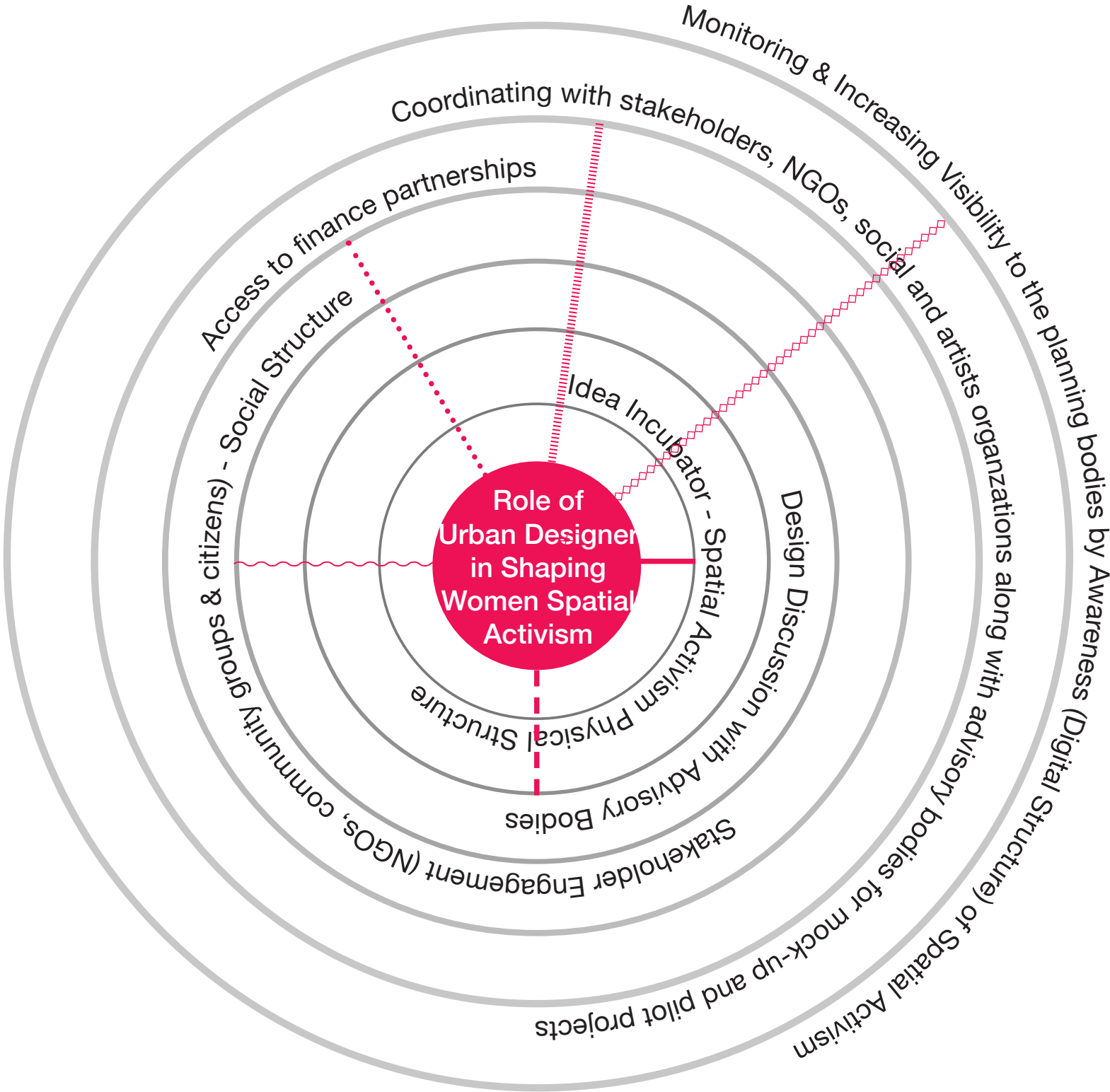


# Design as an impact





Role of Urban Designer

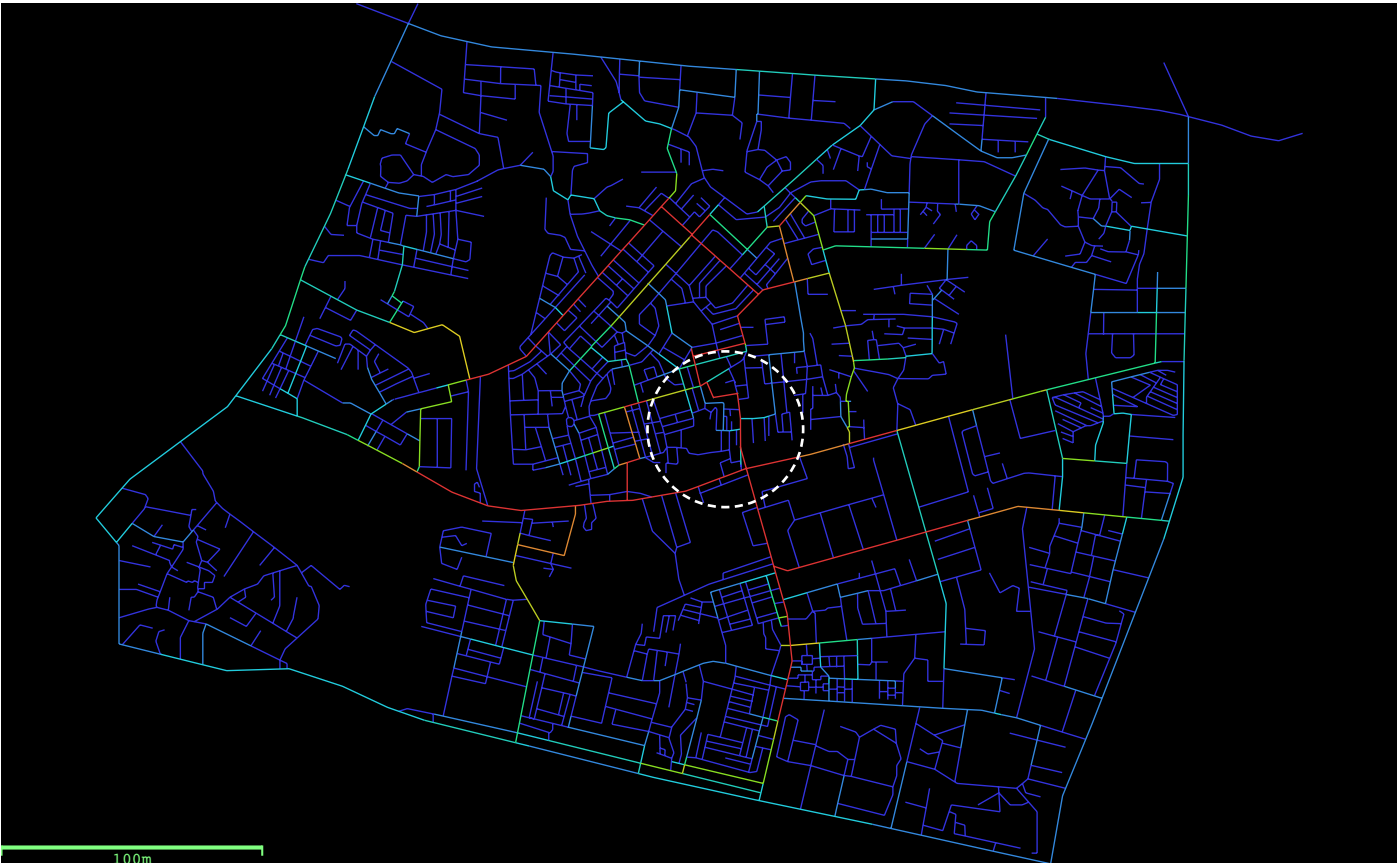


Future Strategy





Space Syntax Evaluation of the Project



**Thank You**