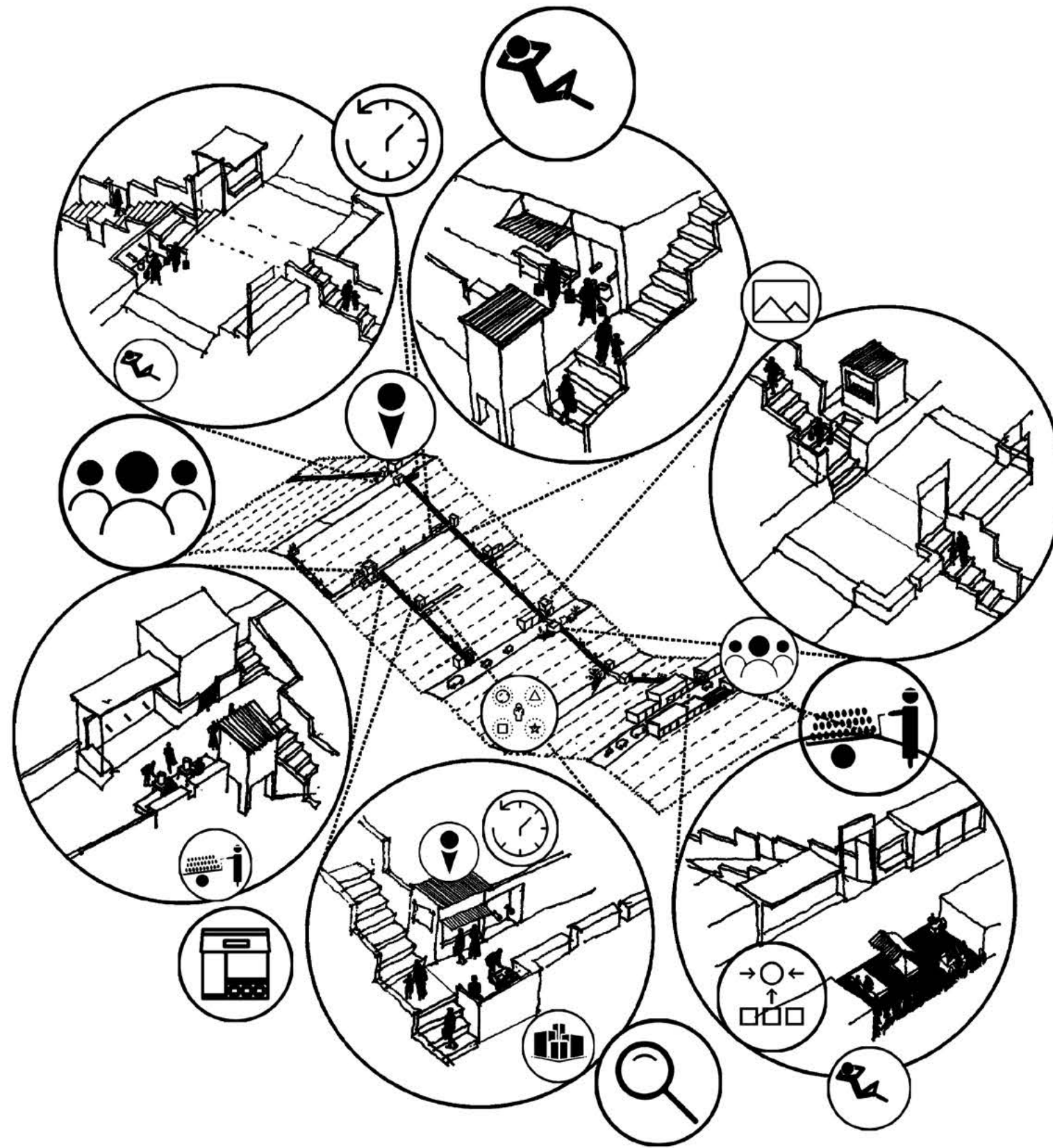
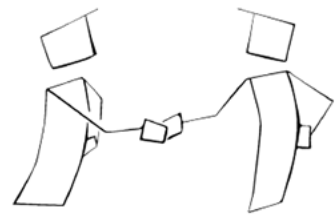


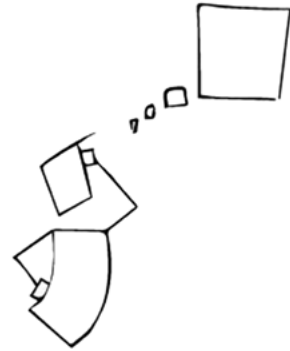
# THE FUTURE OF INFORMAL PATHWAYS

Reinforcing the identity of public space in hilltowns





## INTRODUCTION Pathways



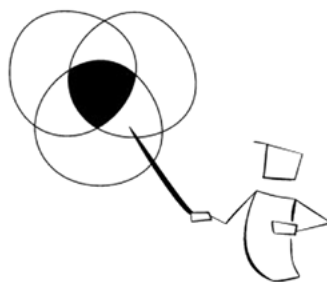
## PROBLEM DEFINITION Public Realm



## RESEARCH QUESTION Old neighbourhood



## APPROACH Identity Framework

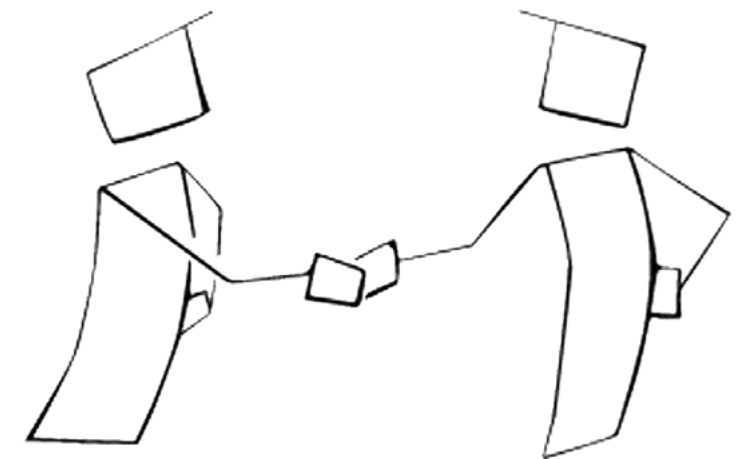


## ANALYSIS Finding Value



## DESIGN AND INTERVENTION Spatial, Technical & Social





# INTRODUCTION

**Tangible**

**Intangible**

**Physical setting**

This research aims to define the tangible and intangible aspects of the informal pathways in order to revive the pathways as the social infrastructure of the city.

# THE PATHWAYS

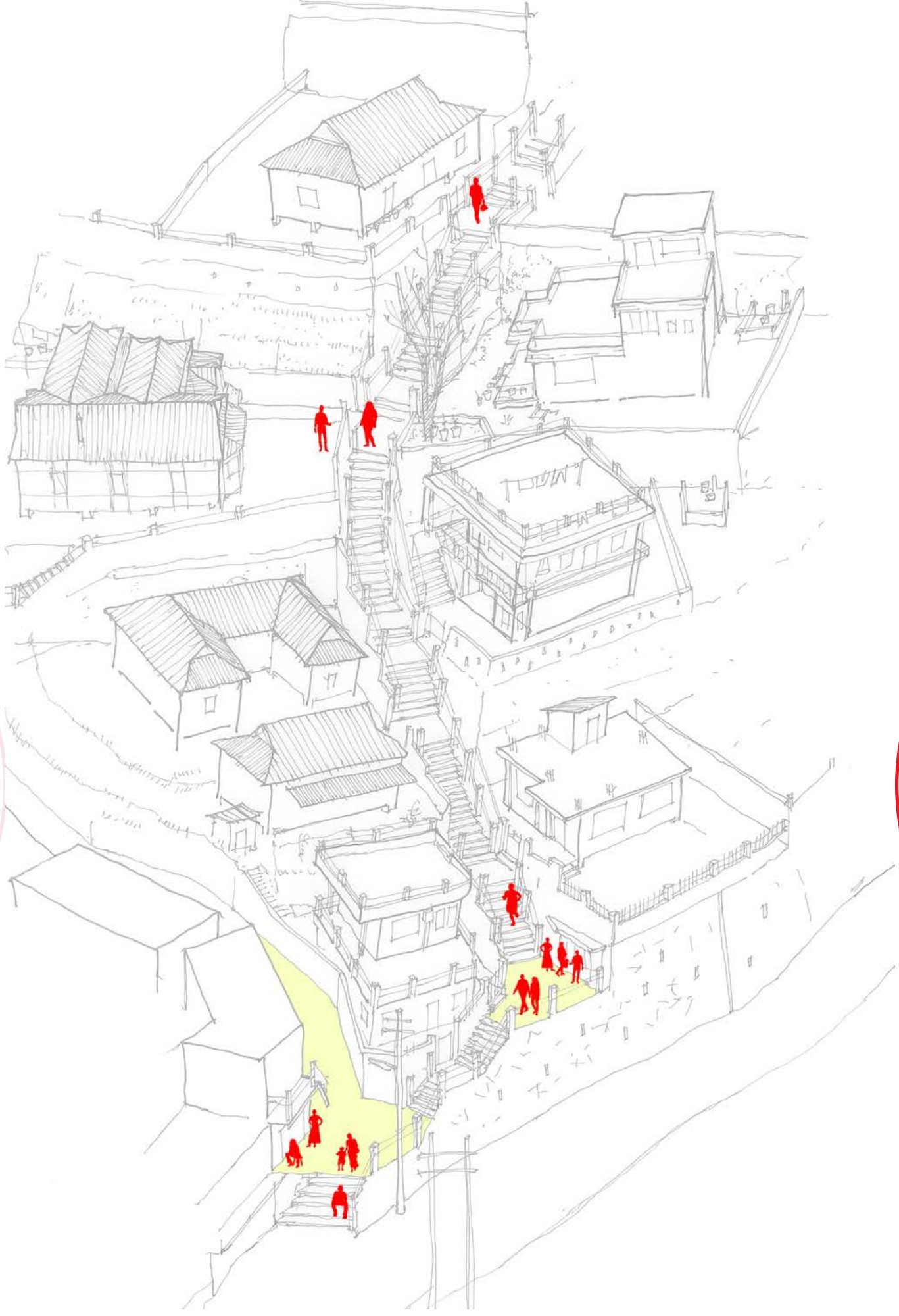
**Tangible**

Intangible



Physical setting + **usage and activities**



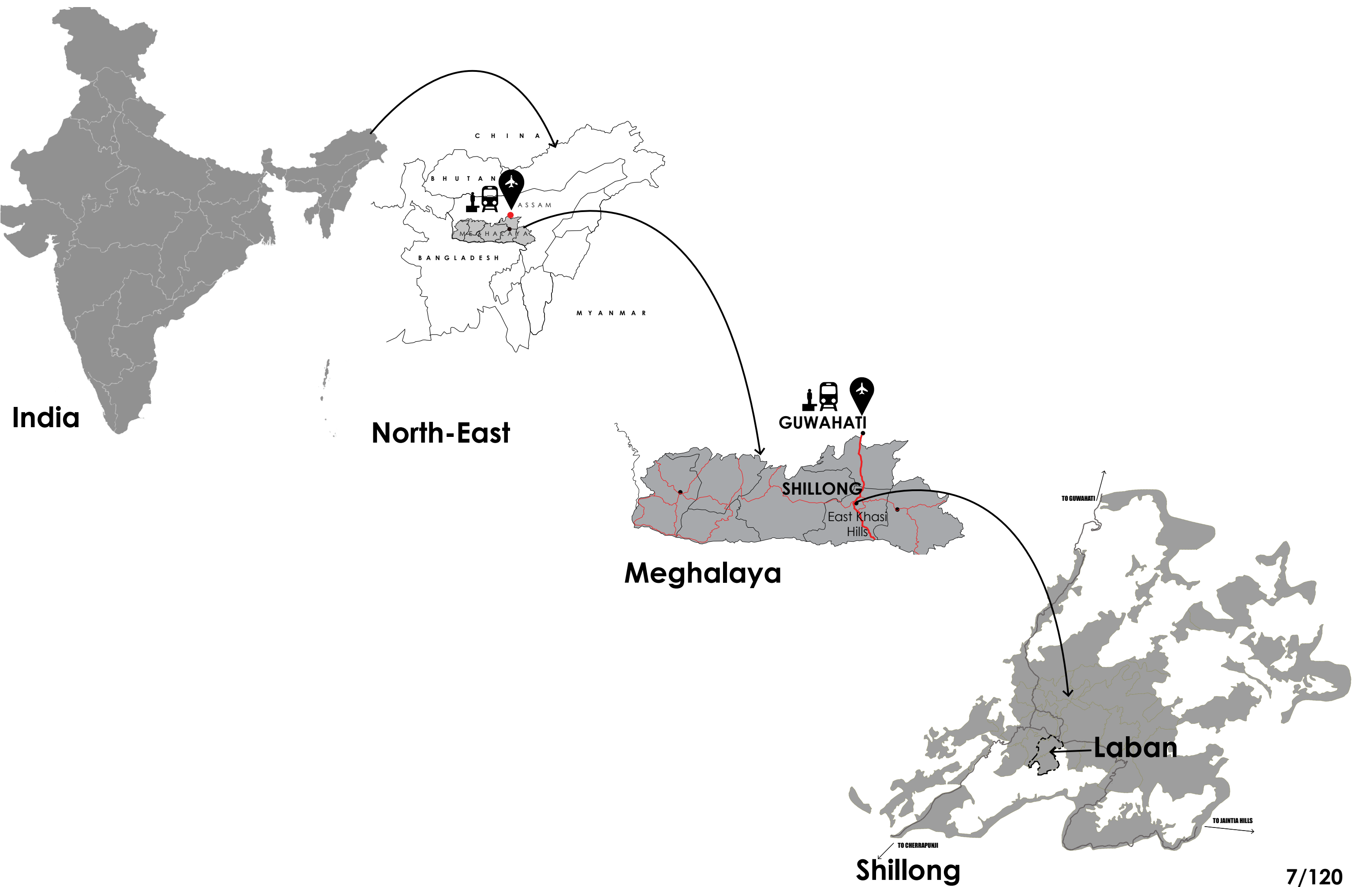


Tangible

Intangible

Mental image

THE CONTEXT







# PATHWAYS IN THE NORTH-EAST



The Living root bridges of Meghalaya have a living form and its symbolism and meaning in the past were a result of the climatic conditions and requirements of the people







# CHARACTERISTICS OF THE INFORMAL PATHS



Nature of the Pedestrian streets



CHARACTERISTICS OF THE INFORMAL PATHS



People Interactions



# CHARACTERISTICS OF THE INFORMAL PATHS



People Interactions

Places of activities and usage



# CHARACTERISTICS OF THE INFORMAL PATHS

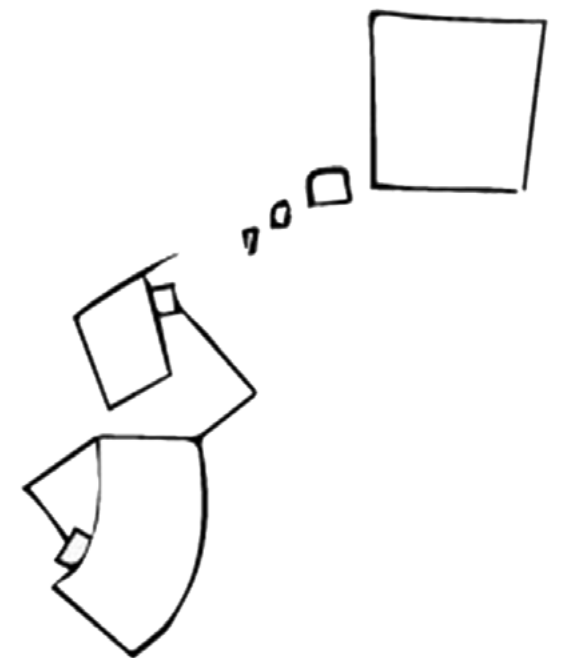


People Interactions

Places of activities and usage

The Public Realm



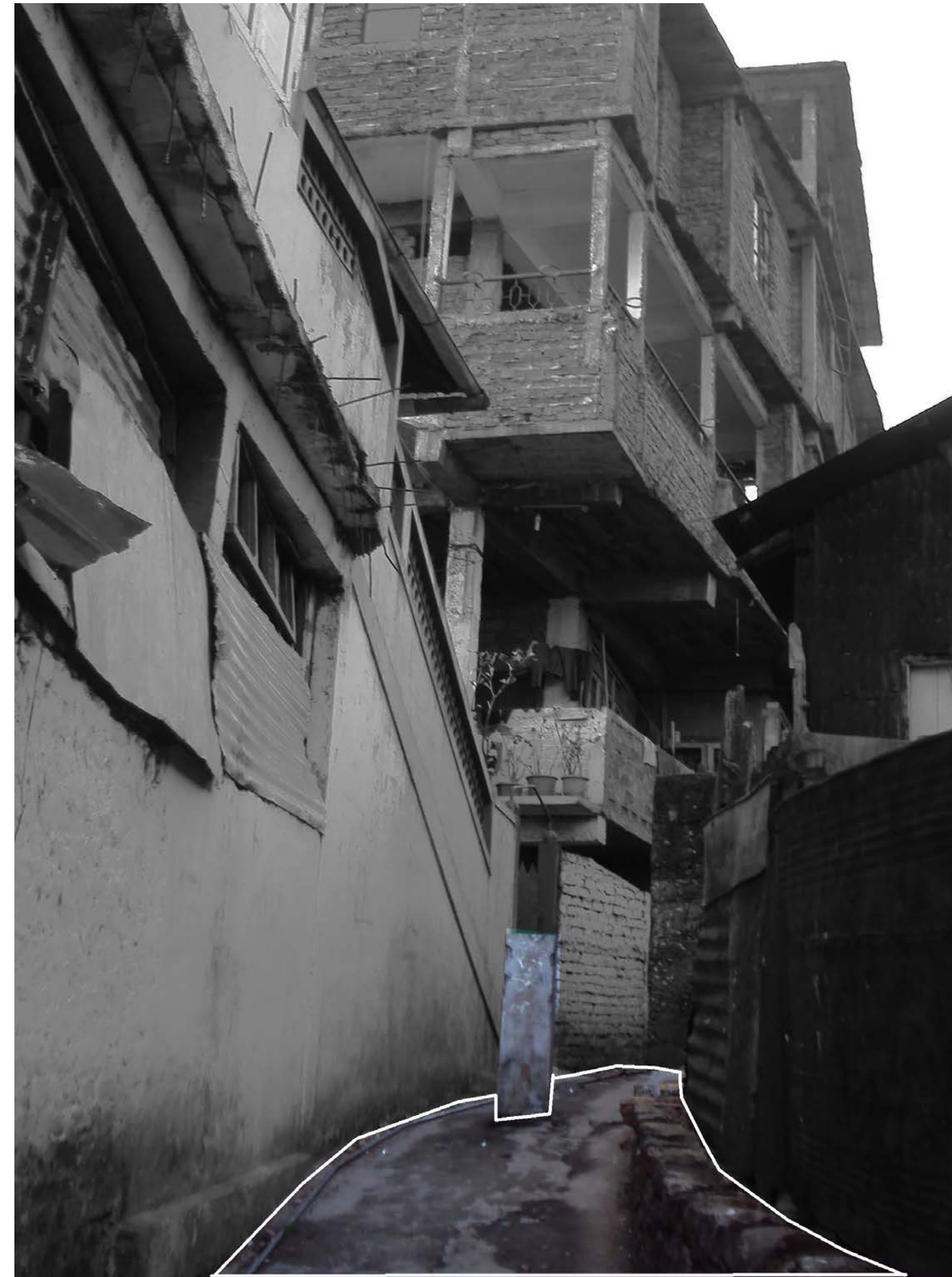


## PROBLEM DEFINITION

# DECLINE OF THE PUBLIC REALM



The pedestrian pathways are just movement corridors













# ***NEW MULTI-STOREYED BUILDINGS***





# INFORMAL PATHWAYS





To Laban With Love

By PUBLIC — On Oct 18, 2017

f

G+

in

SMS

Recommend 0

By Janet Moore Hujon

To honour Laban’s first MDC the late Ragland Singh Lyngdoh Mawlong, the *Shillong Times* reported the unveiling of a bust in his memory. (September 23, 2017) The photograph taken on the occasion says the bust is at ‘Laban *Batting* Bazar parking lot’. This area now demoted to a mere parking lot was never ever a *batting* bazar. It was Laban’s ‘*batti bazar*’ – open for business after office hours and therefore a **lifeline for local residents** who could not always make their daytime way to lewduh (Bara Bazar).

We know that the Hindi word *batti* has nothing whatsoever to do with batting but is associated with

MEGHALAYA

Laban Locality Turns Into Drinking Zone

By By Our Reporter — On Sep 8, 2018

f

G+

in

SMS

Recommend 0

SHILLONG: The Lumkartick Lane in Harisabha area of Laban has turned into **meeting place of drinkers who create nuisance** in the locality.

After dusk, hoodlums gather at the ‘L’ shaped lane for their rendezvous. Though there are several street lights on the stretch, some of them are non-functional and **drinkers take advantage of the darkness**.

The ruffians not only create ruckus but also litter the place.

Recently, PWD (Public Wrod Department) workers cleaned up the wild vegetation along the lane and heaps of wine and beer bottles, cigarette packets and other wastes were found.

NATIONAL

Sorry Plight Of The Oldest Town In Shillong

By UNI — On Sep 12, 2013

f

G+

in

SMS

Recommend 0

By R Wahlang

After the British established their new capital in Shillong in the 1860s, they identified Laban, then a small farming village, as the ideal location for their Indian government servants brought mostly from Dhaka, to settle in. The residents of Laban, unused to exposure of any kind to outsiders, moved away from contacts with the “dkhar”(non-tribal). Enterprising East Bengalees bought land from the locals at ridiculously low prices. Thus, a lady going by the name of “ka Tik” sold a huge plot of land to one such buyer for a princely sum of Rs. 20. Hence the name, “lum ka Tik”, which became “ Harisabha” for the migrants. The gentleman kept the land for a few years, and then sold plots to the new migrants. This pattern was repeated all over



LOOKING AHEAD

PAST |.....▶

Connection,  
Social value,  
Private/Semi private realm



PRESENT |.....▶

Movement, unsafe in  
certain areas



FUTURE

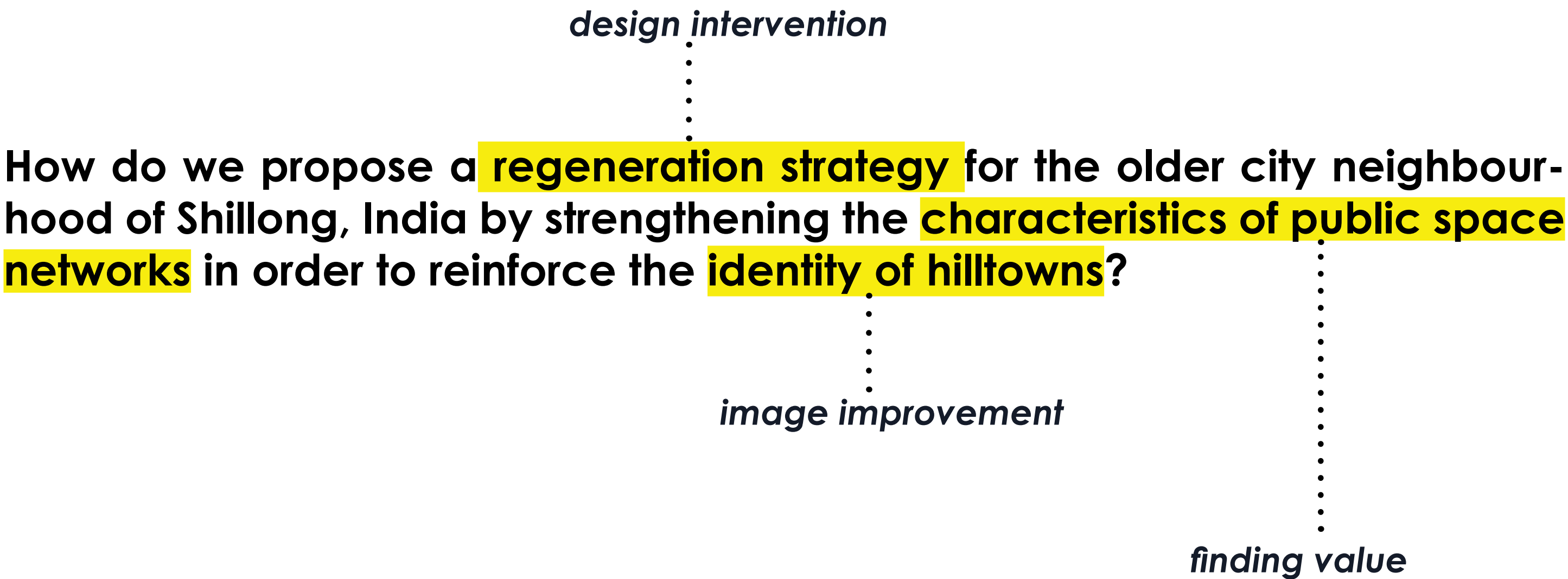
Health concious society,  
revival of the public realm,  
walkable cities

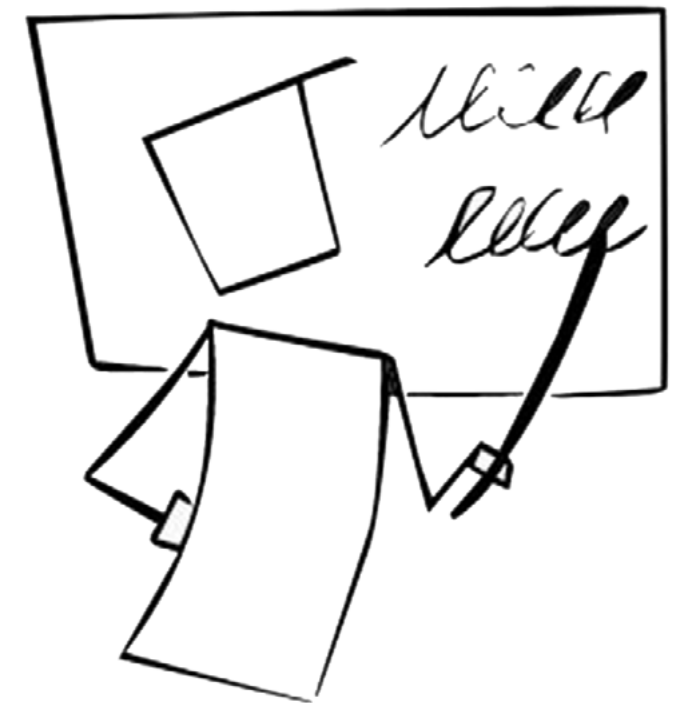
?



**RESEARCH QUESTION**

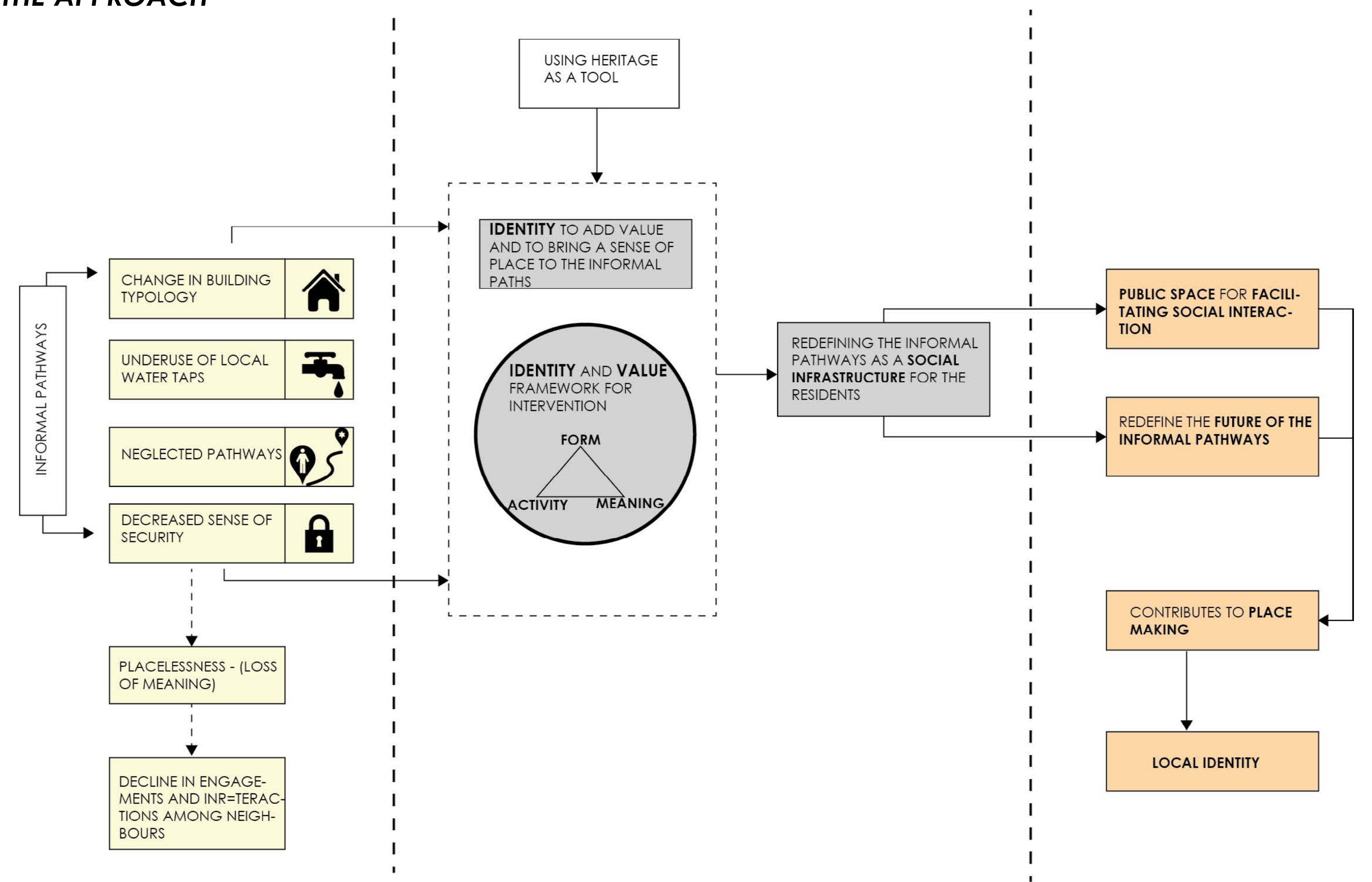


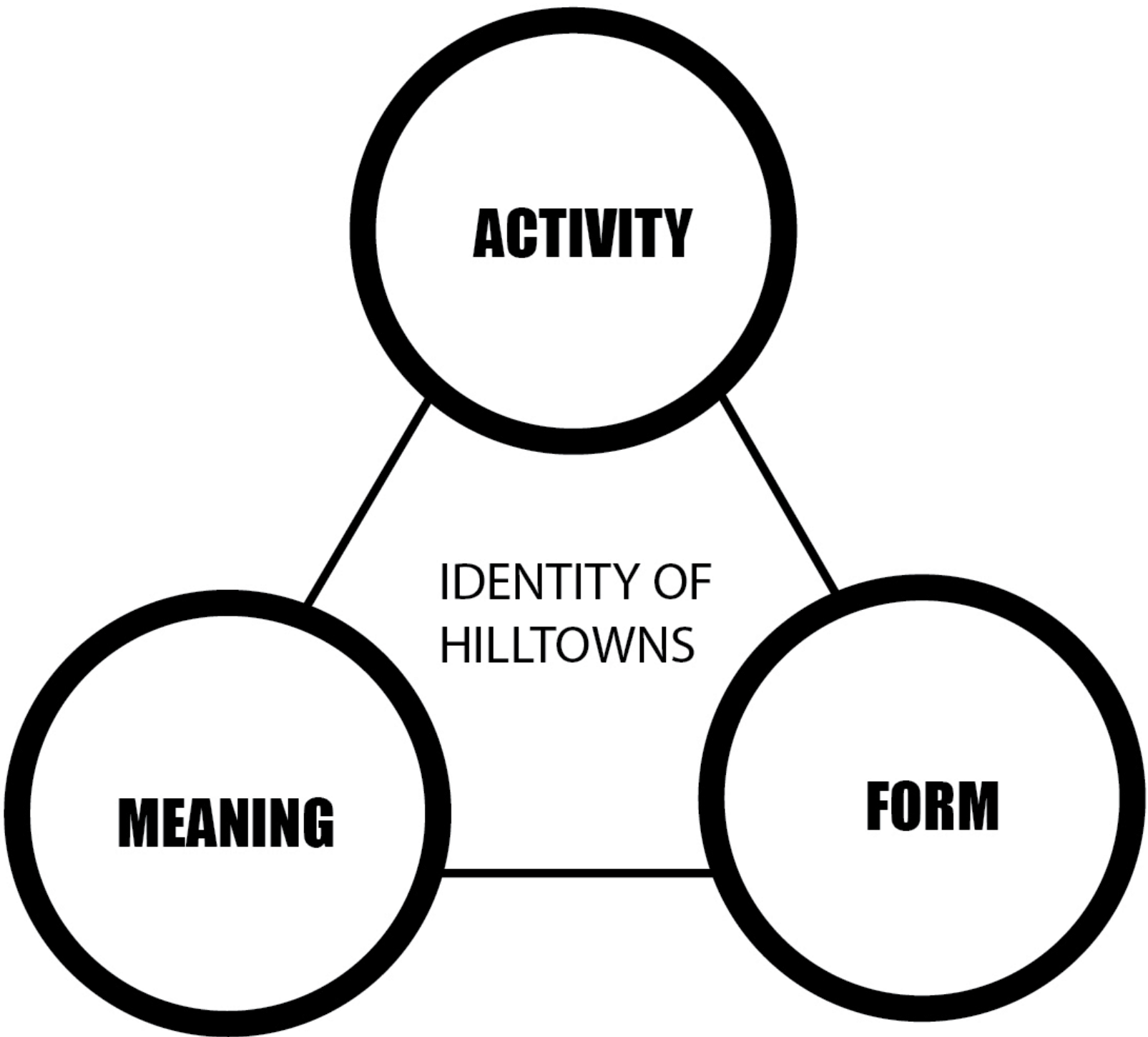




**APPROACH**

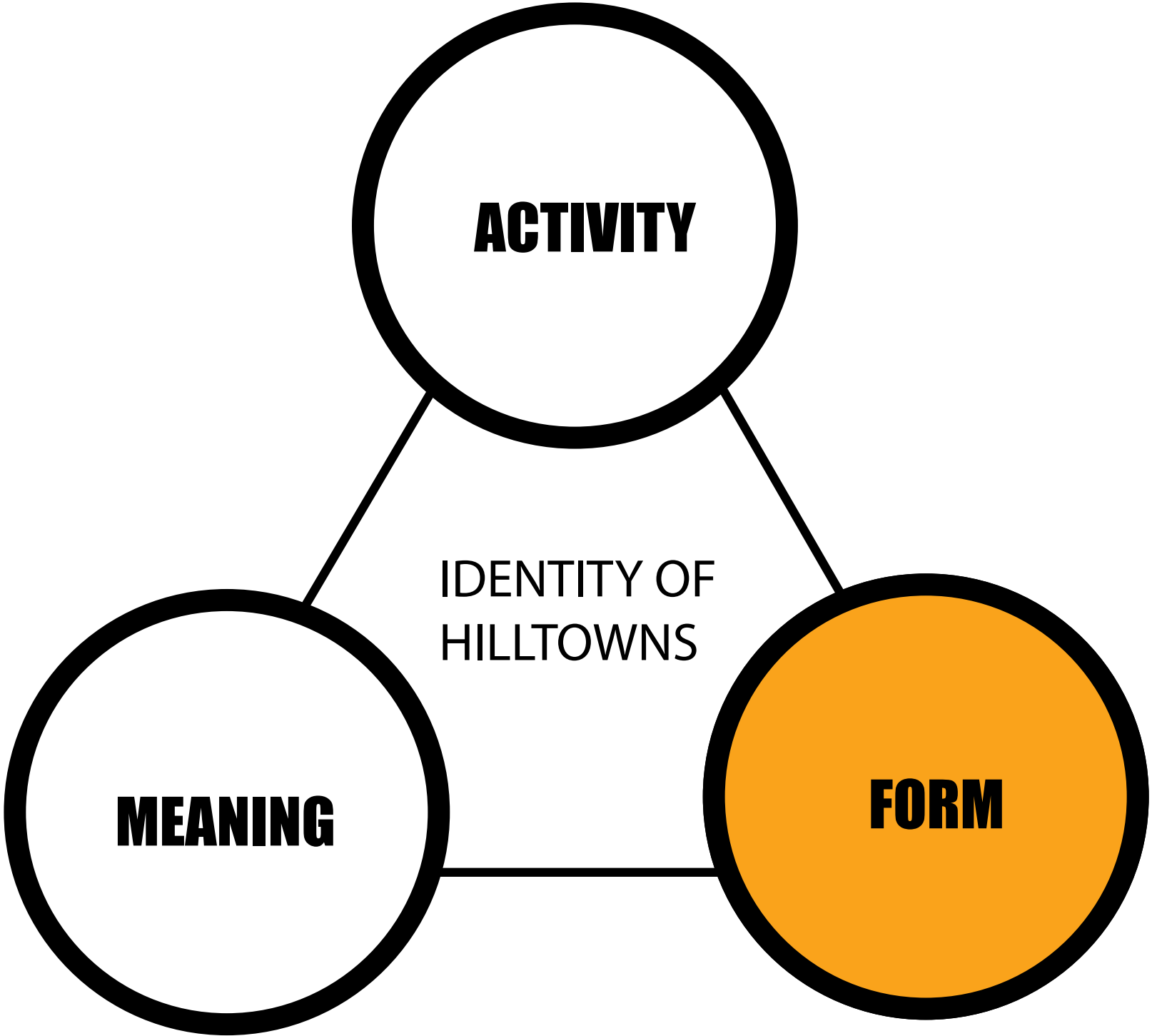
THE APPROACH





Montgomery, J. (1998). Making a city: urbanity, vitality and urban design. Journal of Urban Design. <https://doi.org/10.1080/13574809808724418>

Punter, J. (1991) Participation in the design of urban space, Landscape Design



- Scale



- Landmarks



- Legibility



Spatial analysis, morphological study of the city

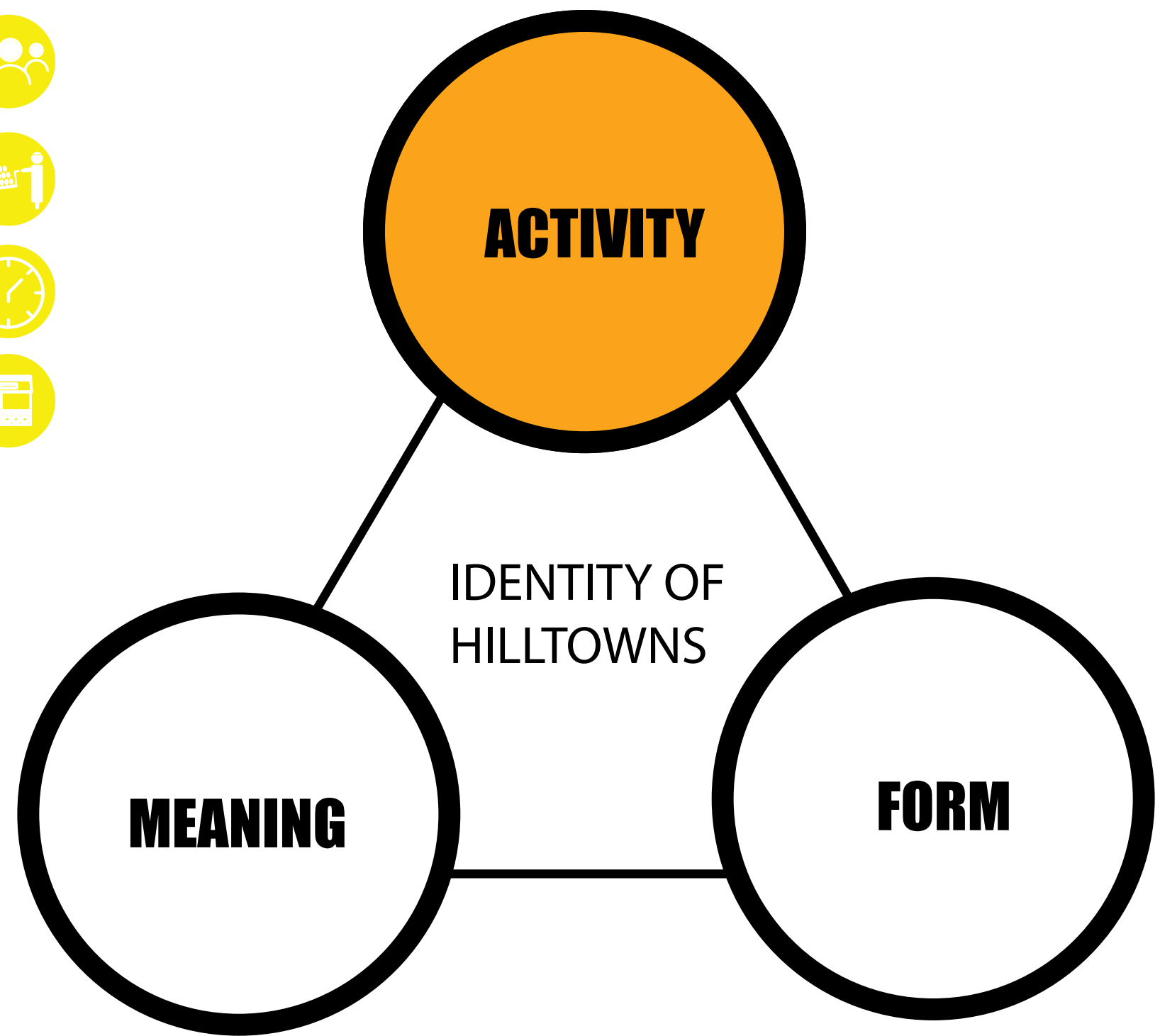
**FORM**

Scale + Landmarks + Legibility

Montgomery, J. (1998). Making a city: urbanity, vitality and urban design. Journal of Urban Design. <https://doi.org/10.1080/13574809808724418>

ACTIVITY ASPECTS

- Diversity
- People watching
- Street life
- Opening hours
- Fine grain economy

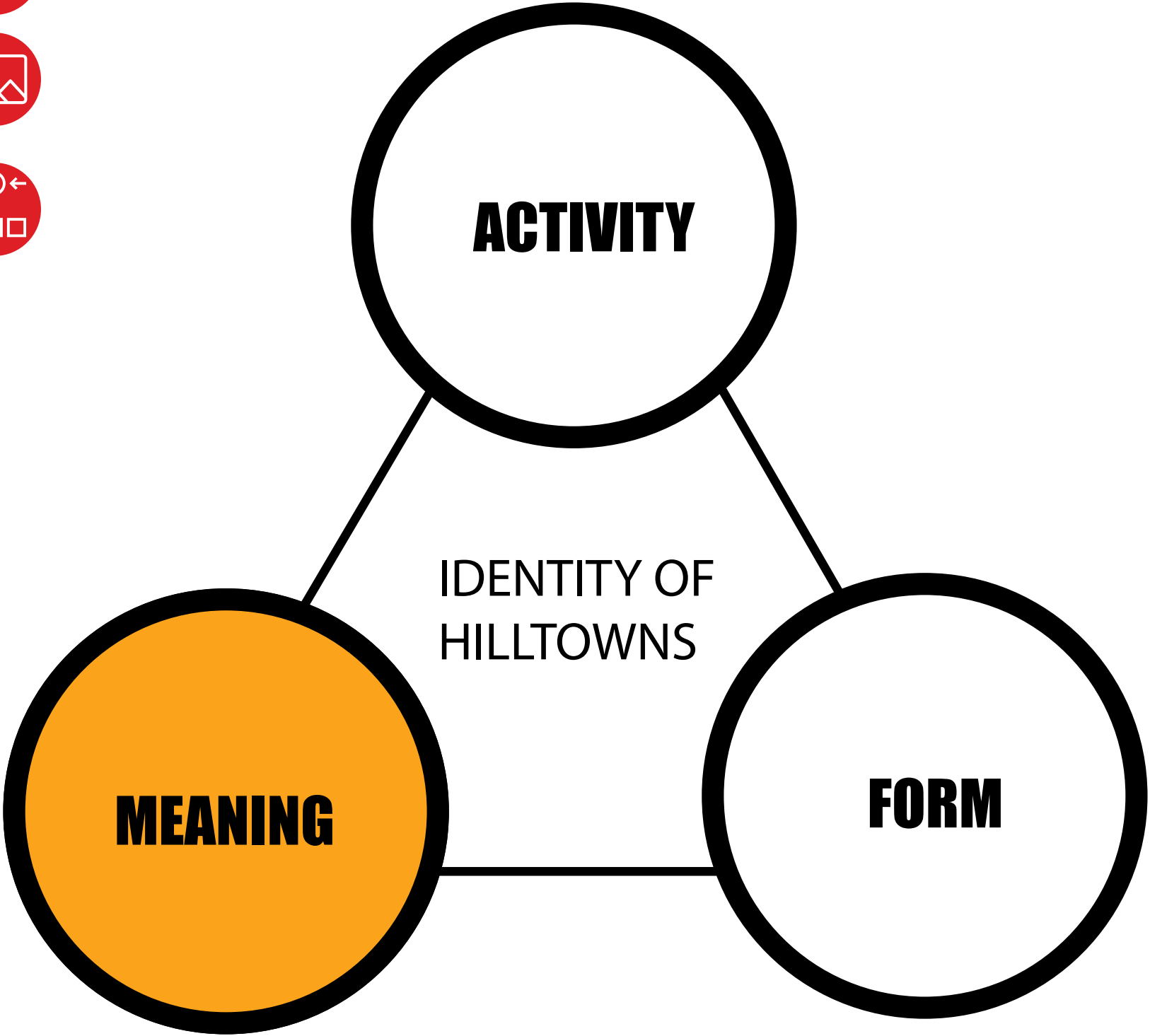
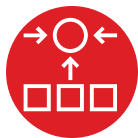


Making on site observations and conducting interviews along with spatial analysis

**ACTIVITY**  
Vitality + diversity

MEANING ASPECTS

- Comfort
- Imageability
- Distinctiveness

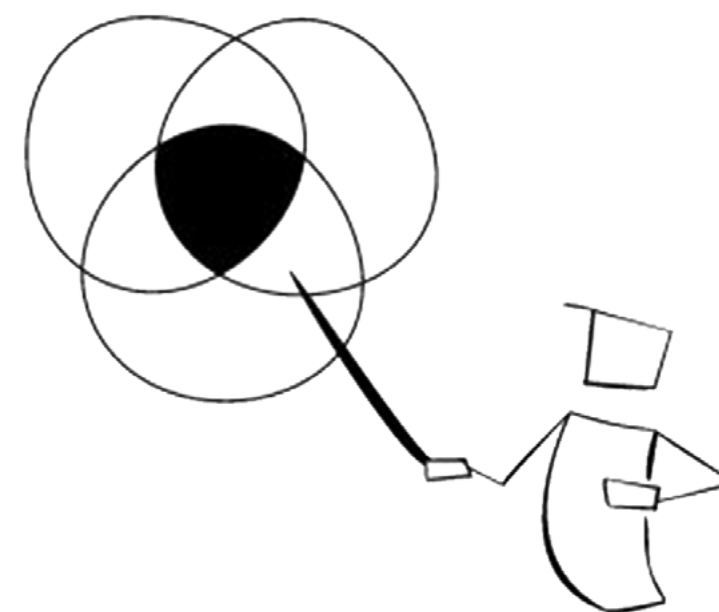


Interview from inhabitants and mapping out the most important areas – Sketch maps prepared by inhabitants of their image of the locality  
Historical Analysis

MEANING

**Imageability** is also brought about through **people’s mental image**, hence Kevin Lynchs method of image of the city is used here to potray the imageable elements of the city





**ANALYSIS**





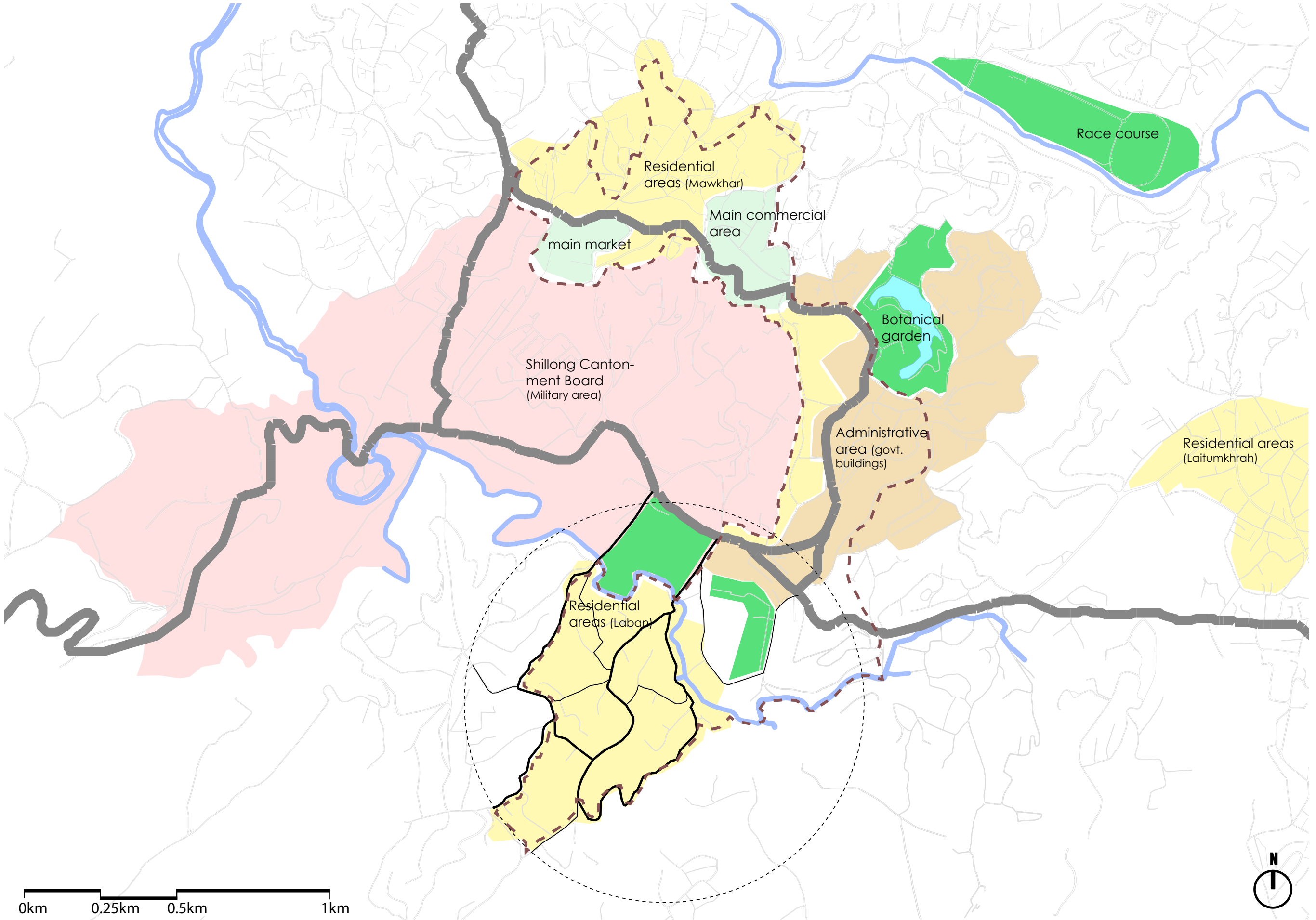


SETTING



Historically one of the older parts of the city





Description of old areas of the city







# MEANING

## MENTAL MAPS OF THE CITY (Imageability)

Kevin Lynch

Paths

Edges

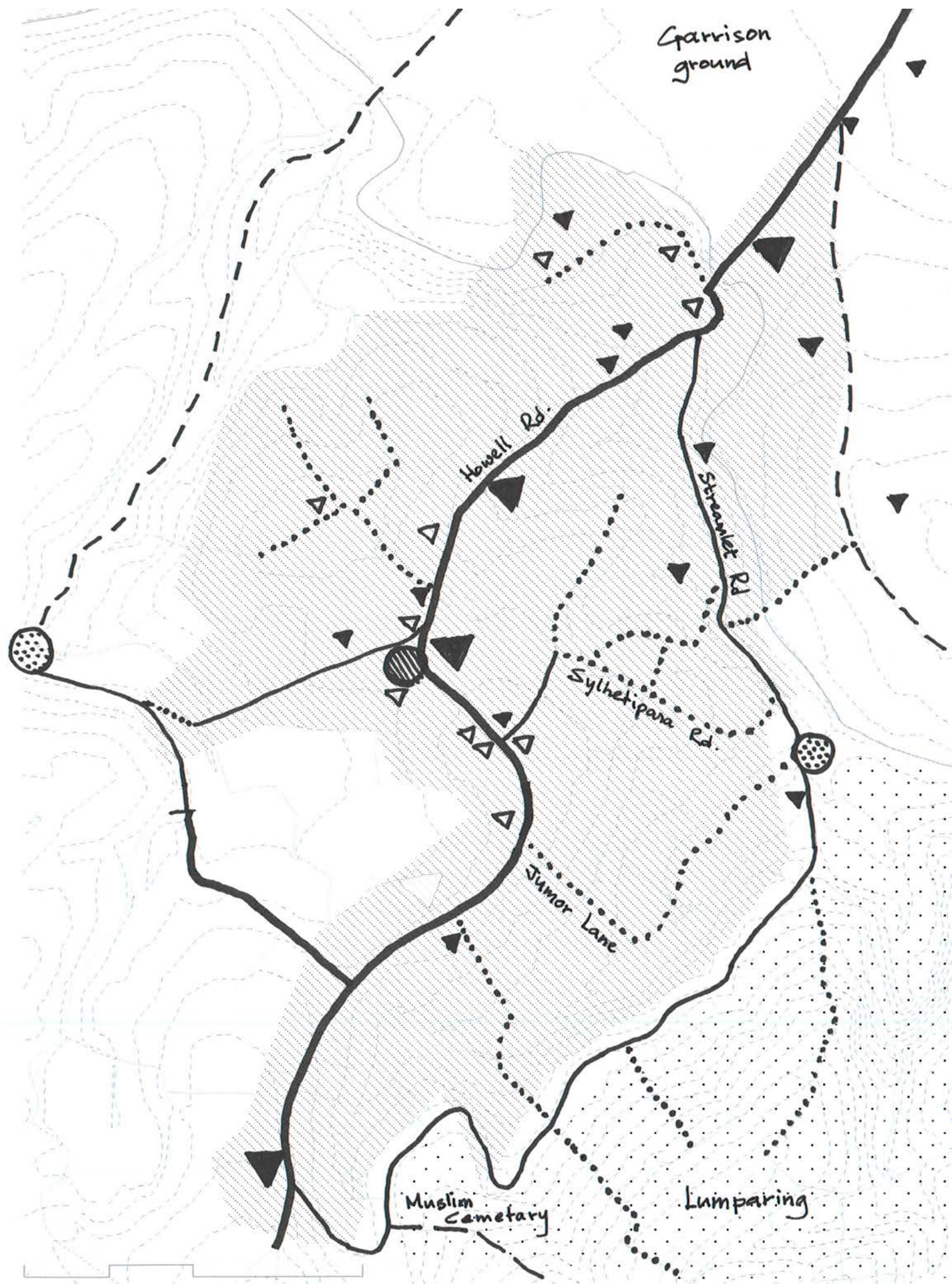
Nodes

Districts

Landmarks







	Paths	Edges	Nodes	Districts	Landmarks
75-100- %					
50-75- %					
25-50- %					
0-25- %					



IEW-DAK (MARKET)



	Arun	Anthea	Moni	Rio	Reveal	Richmond	Borun	Nomin	Trinita	Iba	Casper	Vino
Iew Dak	●			●	●		●	●	●			●
Parking Lot		●	●		●							●
Presbyterian Church	●				●	●			●	●	●	●
Assam Club			●		●	●				●	●	●
Municipal Market			●		●						●	
Muslim Cemetary				●			●			●	●	●
St. Johns				●	●		●	●	●	●	●	●
Red Cross		●				●	●	●	●	●	●	
Civil Hospital	●			●	●	●						
Police Station	●			●		●	●				●	
Garrison Ground	●				●						●	●
Bengali Boys	●			●			●					●
Idgar Shrine	●				●					●	●	
Shiv Mandir			●	●	●					●	●	●
Laban Sports Club		●			●						●	●
Last Stop				●			●			●	●	●
Dhobi Ghat				●			●					●
Bengali Girls					●		●					●
Glass Mosque					●						●	●
Lumparing	●			●		●	●					●
Bridge		●	●							●		
Papu Medical			●		●							
Trelly			●		●							
Madan Laban Area	●		●		●							
Shyam Store			●		●							
Statue			●		●				●			
Raid Laban Area					●							
Dispensary			●									●
Umshyrpi		●										●
Grace Covenant Church									●	●		●
Three Pines Cafe			●									
Azaad Store			●									
Appayani				●								●
Picadally Store									●			
Mahalaxmi					●							
Chowdry Pharmacy						●						
Guest House									●			



IEW-DAK (MARKET)



- Commercial activities which happen along the edges (**usage and comfort**)
- The open space used to be a place for the night market which was a bustling market place at night (**history & story**)

	Arun	Anthea	Moni	Rio	Reveal	Richmond	Borun	Nomin	Trinita	Iba	Casper	Vino
Iew Dak	●			●	●		●	●	●			●
Parking Lot		●	●		●							●
Presbyterian Church	●				●	●			●	●	●	●
Assam Club			●		●	●				●	●	●
Municipal Market			●		●						●	
Muslim Cemetary				●			●			●	●	●
St. Johns				●	●		●	●	●	●	●	●
Red Cross		●				●	●	●	●	●	●	
Civil Hospital	●			●	●	●						
Police Station	●			●		●	●				●	
Garrison Ground	●				●						●	●
Bengali Boys	●			●			●					●
Idgar Shrine	●				●					●	●	
Shiv Mandir			●	●	●					●	●	●
Laban Sports Club		●			●						●	●
Last Stop				●			●			●	●	●
Dhobi Ghat				●			●					●
Bengali Girls					●		●					●
Glass Mosque					●						●	●
Lumparing	●			●		●	●					●
Bridge		●	●							●		
Papu Medical			●		●							
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Madan Laban Area	●		●		●							
Shyam Store			●		●							
Statue			●		●				●			
Raid Laban Area					●							
Dispensary			●									●
Umshyrpi		●										●
Grace Covenant Church									●	●		●
Three Pines Cafe			●									
Azaad Store			●									
Appayani				●								●
Picadally Store									●			
Mahalaxmi					●							
Chowdry Pharmacy						●						
Guest House									●			



PRESBYTERIAN CHURCH (CHURCH)



	Arun	Anthea	Moni	Rio	Reveal	Richmond	Borun	Nomin	Trinita	Iba	Casper	Vino
Iew Dak	●			●	●		●	●	●			●
Parking Lot		●	●		●							●
Presbyterian Church	●				●	●			●	●	●	●
Assam Club			●		●	●				●	●	●
Municipal Market			●		●						●	
Muslim Cemetary				●			●			●	●	●
St. Johns				●	●		●	●	●	●	●	●
Red Cross		●				●	●	●	●	●	●	
Civil Hospital	●			●	●	●						
Police Station	●			●		●	●				●	
Garrison Ground	●				●						●	●
Bengali Boys	●			●			●					●
Idgar Shrine	●				●					●	●	
Shiv Mandir			●	●	●					●	●	●
Laban Sports Club		●			●						●	●
Last Stop				●			●			●	●	●
Dhobi Ghat				●			●					●
Bengali Girls					●		●					●
Glass Mosque					●						●	●
Lumparing	●			●		●	●					●
Bridge		●	●							●		
Papu Medical			●		●							
Trelly			●		●							
Madan Laban Area	●		●		●							
Shyam Store			●		●							
Statue			●		●				●			
Raid Laban Area					●							
Dispensary			●									●
Umshyrpi		●										●
Grace Covenant Church									●	●		●
Three Pines Cafe			●									
Azaad Store			●									
Appayani				●								●
Picadally Store									●			
Mahalaxmi					●							
Chowdry Pharmacy						●						
Guest House									●			



PRESBYTERIAN CHURCH (CHURCH)



- social and cultural meaning attached to the local residents (sunday church) (Activity & meaning) **(common/shared background)**
- Common reference point and a landmark building **(links with the surroundings)**
- Different activities happen at different times of the day and times of the week

	Arun	Anthea	Moni	Rio	Reveal	Richmond	Borun	Nomin	Trinita	Iba	Casper	Vino
Iew Dak	●			●	●		●	●	●			●
Parking Lot		●	●		●							●
Presbyterian Church	●				●	●			●	●	●	●
Assam Club			●		●	●				●	●	●
Municipal Market			●		●						●	
Muslim Cemetary				●			●			●	●	●
St. Johns				●	●		●	●	●	●	●	●
Red Cross		●				●	●	●	●	●	●	
Civil Hospital	●			●	●	●						
Police Station	●			●		●	●				●	
Garrison Ground	●				●						●	●
Bengali Boys	●			●			●					●
Idgar Shrine	●				●					●	●	
Shiv Mandir			●	●	●					●	●	●
Laban Sports Club		●			●						●	●
Last Stop				●			●			●	●	●
Dhobi Ghat				●			●					●
Bengali Girls					●		●					●
Glass Mosque					●						●	●
Lumparing	●			●		●	●					●
Bridge		●	●							●		
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Shyam Store			●		●							
Statue			●		●				●			
Raid Laban Area					●							
Dispensary			●									●
Umshyrpi		●										●
Grace Covenant Church									●	●		●
Three Pines Cafe			●									
Azaad Store			●									
Appayani				●								●
Picadally Store									●			
Mahalaxmi					●							
Chowdry Pharmacy						●						
Guest House									●			



ASSAM CLUB (COMMUNITY HALL)



	Arun	Anthea	Moni	Rio	Reveal	Richmond	Borun	Nomin	Trinita	Iba	Casper	Vino
Iew Dak	●			●	●		●	●	●			●
Parking Lot		●	●		●							●
Presbyterian Church	●				●	●			●	●	●	●
Assam Club			●		●	●				●	●	●
Municipal Market			●		●						●	
Muslim Cemetary				●			●			●	●	●
St. Johns				●	●		●	●	●	●	●	●
Red Cross		●				●	●	●	●	●	●	
Civil Hospital	●			●	●	●						
Police Station	●			●		●	●				●	
Garrison Ground	●				●						●	●
Bengali Boys	●			●			●					●
Idgar Shrine	●				●					●	●	
Shiv Mandir			●	●	●					●	●	●
Laban Sports Club		●			●						●	●
Last Stop				●			●			●	●	●
Dhobi Ghat				●			●					●
Bengali Girls					●		●					●
Glass Mosque					●						●	●
Lumparing	●			●		●	●					●
Bridge		●	●							●		
Papu Medical			●		●							
Trelly			●		●							
Madan Laban Area	●		●		●							
Shyam Store			●		●							
Statue			●		●				●			
Raid Laban Area					●							
Dispensary			●									●
Umshyrpi		●										●
Grace Covenant Church									●	●		●
Three Pines Cafe			●									
Azaad Store			●									
Appayani				●								●
Picadally Store									●			
Mahalaxmi					●							
Chowdry Pharmacy						●						
Guest House									●			



ASSAM CLUB (COMMUNITY HALL)



- The form of the building serves as a landmark (visibility)

	Arun	Anthea	Moni	Rio	Reveal	Richmond	Borun	Nomin	Trinita	Iba	Casper	Vino
Iew Dak	●			●	●		●	●	●			●
Parking Lot		●	●		●							●
Presbyterian Church	●				●	●			●	●	●	●
Assam Club			●		●	●				●	●	●
Municipal Market			●		●						●	
Muslim Cemetary				●			●			●	●	●
St. Johns				●	●		●	●	●	●	●	●
Red Cross		●				●	●	●	●	●	●	
Civil Hospital	●			●	●	●						
Police Station	●			●		●	●				●	
Garrison Ground	●				●						●	●
Bengali Boys	●			●			●					●
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Bridge		●	●							●		
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Shyam Store			●		●							
Statue			●		●				●			
Raid Laban Area					●							
Dispensary			●									●
Umshyrpi		●										●
Grace Covenant Church									●	●		●
Three Pines Cafe			●									
Azaad Store			●									
Appayani				●								●
Picadally Store									●			
Mahalaxmi					●							
Chowdry Pharmacy						●						
Guest House									●			



ST. JOHNS (CHURCH/ MOBILITY JUNCTION)



	Arun	Anthea	Moni	Rio	Reveal	Richmond	Borun	Nomin	Trinita	Iba	Casper	Vino
Iew Dak	●			●	●		●	●	●			●
Parking Lot		●	●		●							●
Presbyterian Church	●				●	●			●	●	●	●
Assam Club			●		●	●				●	●	●
Municipal Market			●		●						●	
Muslim Cemetary				●			●			●	●	●
St. Johns				●	●		●	●	●	●	●	●
Red Cross		●				●	●	●	●	●	●	
Civil Hospital	●			●	●	●						
Police Station	●			●		●	●				●	
Garrison Ground	●				●						●	●
Bengali Boys	●			●			●					●
Idgar Shrine	●				●					●	●	
Shiv Mandir			●	●	●					●	●	●
Laban Sports Club		●			●						●	●
Last Stop				●			●			●	●	●
Dhobi Ghat				●			●					●
Bengali Girls					●		●					●
Glass Mosque					●						●	●
Lumparing	●			●		●	●					●
Bridge		●	●							●		
Papu Medical			●		●							
Trelly			●		●							
Madan Laban Area	●		●		●							
Shyam Store			●		●							
Statue			●		●				●			
Raid Laban Area					●							
Dispensary			●									●
Umshyrpi		●										●
Grace Covenant Church									●	●		●
Three Pines Cafe			●									
Azaad Store			●									
Appayani				●								●
Picadally Store									●			
Mahalaxmi					●							
Chowdry Pharmacy						●						
Guest House									●			



ST. JOHNS (CHURCH/MOBILITY JUNCTION)



- It is an important intersection for accessing public transport (Taxi stand is located here)  
**(basic necessity linked to an important public building)**

	Arun	Anthea	Moni	Rio	Reveal	Richmond	Borun	Nomin	Trinita	Iba	Casper	Vino
Iew Dak	●			●	●		●	●	●			●
Parking Lot		●	●		●							●
Presbyterian Church	●				●	●			●	●	●	●
Assam Club			●		●	●				●	●	●
Municipal Market			●		●						●	
Muslim Cemetary				●			●			●	●	●
St. Johns				●	●		●	●	●	●	●	●
Red Cross		●				●	●	●	●	●	●	
Civil Hospital	●			●	●	●						
Police Station	●			●		●	●				●	
Garrison Ground	●				●						●	●
Bengali Boys	●			●			●					●
Idgar Shrine	●				●					●	●	
Shiv Mandir			●	●	●					●	●	●
Laban Sports Club		●			●						●	●
Last Stop				●			●			●	●	●
Dhobi Ghat				●			●					●
Bengali Girls					●		●					●
Glass Mosque					●						●	●
Lumparing	●			●		●	●					●
Bridge		●	●							●		
Papu Medical			●		●							
Trelly			●		●							
Madan Laban Area	●		●		●							
Shyam Store			●		●							
Statue			●		●				●			
Raid Laban Area					●							
Dispensary			●									●
Umshyrpi		●										●
Grace Covenant Church									●	●		●
Three Pines Cafe			●									
Azaad Store			●									
Appayani				●								●
Picadally Store									●			
Mahalaxmi					●							
Chowdry Pharmacy						●						
Guest House									●			



RED CROSS (STREET VENDORS)



	Arun	Anthea	Moni	Rio	Reveal	Richmond	Borun	Nomin	Trinita	Iba	Casper	Vino
Iew Dak	●			●	●		●	●	●			●
Parking Lot		●	●		●							●
Presbyterian Church	●				●	●			●	●	●	●
Assam Club			●		●	●				●	●	●
Municipal Market			●		●						●	
Muslim Cemetary				●			●			●	●	●
St. Johns				●	●		●	●	●	●	●	●
Red Cross		●				●	●	●	●	●	●	
Civil Hospital	●			●	●	●						
Police Station	●			●		●	●				●	
Garrison Ground	●				●						●	●
Bengali Boys	●			●			●					●
Idgar Shrine	●				●					●	●	
Shiv Mandir			●	●	●					●	●	●
Laban Sports Club		●			●						●	●
Last Stop				●			●			●	●	●
Dhobi Ghat				●			●					●
Bengali Girls					●		●					●
Glass Mosque					●						●	●
Lumparing	●			●		●	●					●
Bridge		●	●							●		
Papu Medical			●		●							
Trelly			●		●							
Madan Laban Area	●		●		●							
Shyam Store			●		●							
Statue			●		●				●			
Raid Laban Area					●							
Dispensary			●									●
Umshyrpi		●										●
Grace Covenant Church									●	●		●
Three Pines Cafe			●									
Azaad Store			●									
Appayani				●								●
Picadally Store									●			
Mahalaxmi					●							
Chowdry Pharmacy						●						
Guest House									●			



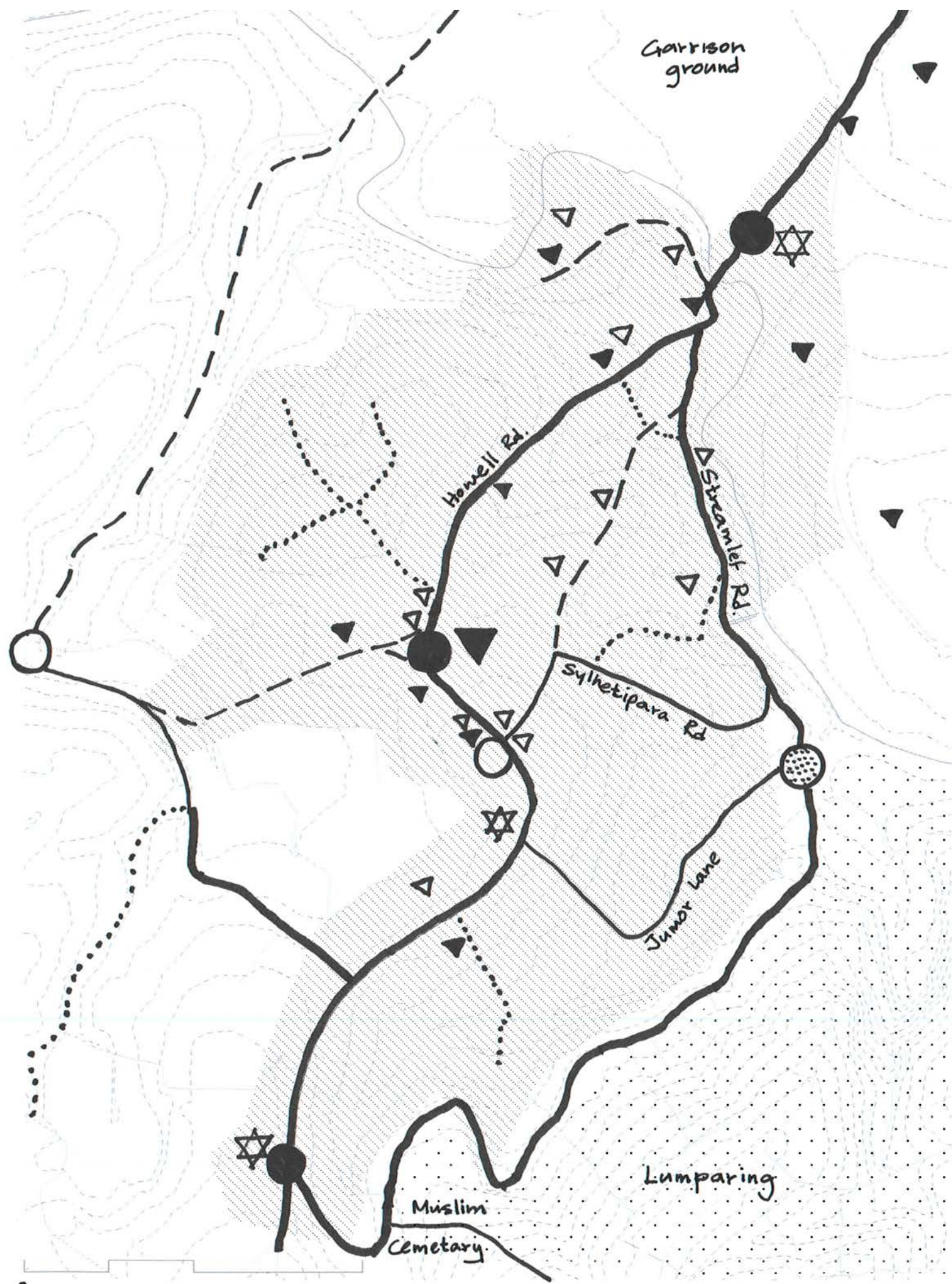
RED CROSS (STREET VENDORS)



- It is historically an important public health facility (**activities linked to a landmark**)
- The public taps were also once located close to the Red cross
- Alot of local shops and local vendors are situated close to this place

	Arun	Anthea	Moni	Rio	Reveal	Richmond	Borun	Nomin	Trinita	Iba	Casper	Vino
Iew Dak	●			●	●		●	●	●			●
Parking Lot		●	●		●							●
Presbyterian Church	●				●	●			●	●	●	●
Assam Club			●		●	●				●	●	●
Municipal Market			●		●						●	
Muslim Cemetary				●			●			●	●	●
St. Johns				●	●		●	●	●	●	●	●
Red Cross		●				●	●	●	●	●	●	
Civil Hospital	●			●	●	●						
Police Station	●			●		●	●				●	
Garrison Ground	●				●						●	●
Bengali Boys	●			●			●					●
Idgar Shrine	●				●					●	●	
Shiv Mandir			●	●	●					●	●	●
Laban Sports Club		●			●						●	●
Last Stop				●			●			●	●	●
Dhobi Ghat				●			●					●
Bengali Girls					●		●					●
Glass Mosque					●						●	●
Lumparing	●			●		●	●					●
Bridge		●	●							●		
Papu Medical			●		●							
Trelly			●		●							
Madan Laban Area	●		●		●							
Shyam Store			●		●							
Statue			●		●				●			
Raid Laban Area					●							
Dispensary			●									●
Umshyrpi		●										●
Grace Covenant Church									●	●		●
Three Pines Cafe			●									
Azaad Store			●									
Appayani				●								●
Picadally Store									●			
Mahalaxmi					●							
Chowdry Pharmacy						●						
Guest House									●			





	Paths	Edges	Nodes	Districts	Landmarks
75-100- %					
50-75- %					
25-50- %					
0-25- %					



IEW DAK (MARKET AREA)



	Arun	Anthea	Moni	Rio	Reveal	Bahrit	Varun	Nomin	Baphi	Iba	Casper	Bino
Iew Dak	●	●	●	●	●	●	●		●			●
Parking Lot		●							●			●
Presbyterian Church		●	●		●				●	●	●	
Assam Club	●		●		●					●	●	
Municipal Market	●	●							●	●	●	
Muslim Cemetary	●			●			●	●		●	●	●
St. Johns	●	●	●	●	●	●			●	●	●	
Red Cross	●	●		●	●	●	●		●	●	●	●
Civil Hospital					●	●	●		●	●		
Police Station								●			●	
Garrison Ground	●					●	●				●	
Bengali Boys		●					●					
Idgar Shrine					●					●	●	
Shiv Mandir			●		●					●	●	
Laban Sports Club		●								●	●	●
Last Stop		●								●	●	
Dhobi Ghat			●		●		●					
Bengali Girls	●			●	●	●						
Glass Mosque									●		●	
Lumparing												
Bridge		●								●		
Papu Medical			●		●							
Trelly		●	●									
Madan Laban Area												
Shyam Store			●		●							
Statue			●		●					●		
Raid Laban Area												
Dispensary			●									
Umshyrpi College		●			●				●	●		
Grace Covenant Church			●							●		
Three Pines Cafe			●		●				●			
Azaad Store					●							●
Appayani	●	●		●	●	●	●					
Picadally Store			●		●							
Mahalaxmi			●		●					●		
Chowdry Pharmacy												
Guest House			●							●		
Puja Pandal									●			
Pine Mount			●	●			●					
Harisabha			●									
Pwd Building									●	●		●
Elsewhere School		●										
Jama Masjid	●											
Fast food			●		●							
Saloon					●							



IEW DAK (MARKET)



- Activity (local taps) (fosters community ties) **(history and story of the place)**
- commercial activity (chance encounters and meetings) **(usage and comfort)**

	Arun	Anthea	Moni	Rio	Reveal	Bahrit	Varun	Nomin	Baphi	Iba	Casper	Bino
Iew Dak	●	●	●	●	●	●	●		●			●
Parking Lot		●							●			●
Presbyterian Church		●	●		●				●	●	●	
Assam Club	●		●		●					●	●	
Municipal Market	●	●							●	●	●	
Muslim Cemetary	●			●			●	●		●	●	●
St. Johns	●	●	●	●	●	●			●	●	●	
Red Cross	●	●		●	●	●	●		●	●	●	●
Civil Hospital					●	●	●		●	●		
Police Station								●			●	
Garrison Ground	●					●	●				●	
Bengali Boys		●					●					
Idgar Shrine					●					●	●	
Shiv Mandir			●		●					●	●	
Laban Sports Club		●								●	●	●
Last Stop		●								●	●	
Dhobi Ghat			●		●		●					
Bengali Girls	●			●	●	●						
Glass Mosque									●		●	
Lumparing												
Bridge		●								●		
Papu Medical			●		●							
Trelly		●	●									
Madan Laban Area												
Shyam Store			●		●							
Statue			●		●					●		
Raid Laban Area												
Dispensary			●									
Umshyrpi College		●			●				●	●		
Grace Covenant Church			●							●		
Three Pines Cafe			●		●				●			
Azaad Store					●							●
Appayani	●	●		●	●	●	●					
Picadally Store			●		●							
Mahalaxmi			●		●					●		
Chowdry Pharmacy												
Guest House			●							●		
Puja Pandal									●			
Pine Mount			●	●			●					
Harisabha			●									
Pwd Building									●	●		●
Elsewhere School		●										
Jama Masjid	●											
Fast food			●		●							
Saloon					●							



MUSLIM CEMETARY ROAD (PATHWAY)



	Arun	Anthea	Moni	Rio	Reveal	Bahrit	Varun	Nomin	Baphi	Iba	Casper	Bino
Iew Dak	●	●	●	●	●	●	●		●			●
Parking Lot		●							●			●
Presbyterian Church		●	●		●				●	●	●	
Assam Club	●		●		●					●	●	
Municipal Market	●	●							●	●	●	
Muslim Cemetary	●			●			●	●		●	●	●
St. Johns	●	●	●	●	●	●			●	●	●	
Red Cross	●	●		●	●	●	●		●	●	●	●
Civil Hospital					●	●	●		●	●		
Police Station								●			●	
Garrison Ground	●					●	●				●	
Bengali Boys		●					●					
Idgar Shrine					●					●	●	
Shiv Mandir			●		●					●	●	
Laban Sports Club		●								●	●	●
Last Stop		●								●	●	
Dhobi Ghat			●		●		●					
Bengali Girls	●			●	●	●						
Glass Mosque									●		●	
Lumparing												
Bridge		●								●		
Papu Medical			●		●							
Trelly		●	●									
Madan Laban Area												
Shyam Store			●		●							
Statue			●		●					●		
Raid Laban Area												
Dispensary			●									
Umshyrpi College		●			●				●	●		
Grace Covenant Church			●							●		
Three Pines Cafe			●		●				●			
Azaad Store					●							●
Appayani	●	●		●	●	●	●					
Picadally Store			●		●							
Mahalaxmi			●		●					●		
Chowdry Pharmacy												
Guest House			●							●		
Puja Pandal									●			
Pine Mount			●	●			●					
Harisabha			●									
Pwd Building									●	●		●
Elsewhere School		●										
Jama Masjid	●											
Fast food			●		●							
Saloon					●							



MUSLIM CEMETARY ROAD (PATHWAY)



- Stepped streets, ease of accessibility to local taxi stand
- The form of the stepped street gives a pleasurable experience to use the steps  
**(usage and comfort)**

	Arun	Anthea	Moni	Rio	Reveal	Bahrit	Varun	Nomin	Baphi	Iba	Casper	Bino
Iew Dak	●	●	●	●	●	●	●		●			●
Parking Lot		●							●			●
Presbyterian Church		●	●		●				●	●	●	
Assam Club	●		●		●					●	●	
Municipal Market	●	●							●	●	●	
Muslim Cemetary	●			●			●	●		●	●	●
St. Johns	●	●	●	●	●	●			●	●	●	
Red Cross	●	●		●	●	●	●		●	●	●	●
Civil Hospital					●	●	●		●	●		
Police Station								●			●	
Garrison Ground	●					●	●				●	
Bengali Boys		●					●					
Idgar Shrine					●					●	●	
Shiv Mandir			●		●					●	●	
Laban Sports Club		●								●	●	●
Last Stop		●								●	●	
Dhobi Ghat			●		●		●					
Bengali Girls	●			●	●	●						
Glass Mosque									●		●	
Lumparing												
Bridge		●								●		
Papu Medical			●		●							
Trelly		●	●									
Madan Laban Area												
Shyam Store			●		●							
Statue			●		●					●		
Raid Laban Area												
Dispensary			●									
Umshyrpi College		●			●				●	●		
Grace Covenant Church			●							●		
Three Pines Cafe			●		●				●			
Azaad Store					●							●
Appayani	●	●		●	●	●	●					
Picadally Store			●		●							
Mahalaxmi			●		●					●		
Chowdry Pharmacy												
Guest House			●							●		
Puja Pandal									●			
Pine Mount			●	●			●					
Harisabha			●									
Pwd Building									●	●		●
Elsewhere School		●										
Jama Masjid	●											
Fast food			●		●							
Saloon					●							



APPAYANI (LOCAL SHOPS)



	Arun	Anthea	Moni	Rio	Reveal	Bahrit	Varun	Nomin	Baphi	Iba	Casper	Bino
Iew Dak	●	●	●	●	●	●	●		●			●
Parking Lot		●							●			●
Presbyterian Church		●	●		●				●	●	●	
Assam Club	●		●		●					●	●	
Municipal Market	●	●							●	●	●	
Muslim Cemetary	●			●			●	●		●	●	●
St. Johns	●	●	●	●	●	●			●	●	●	
Red Cross	●	●		●	●	●	●		●	●	●	●
Civil Hospital					●	●	●		●	●		
Police Station								●			●	
Garrison Ground	●					●	●				●	
Bengali Boys		●					●					
Idgar Shrine					●					●	●	
Shiv Mandir			●		●					●	●	
Laban Sports Club		●								●	●	●
Last Stop		●								●	●	
Dhobi Ghat			●		●		●					
Bengali Girls	●			●	●	●						
Glass Mosque									●		●	
Lumparing												
Bridge		●								●		
Papu Medical			●		●							
Trelly		●	●									
Madan Laban Area												
Shyam Store			●		●							
Statue			●		●					●		
Raid Laban Area												
Dispensary			●									
Umshyrpi College		●			●				●	●		
Grace Covenant Church			●							●		
Three Pines Cafe			●		●				●			
Azaad Store					●							●
Appayani	●	●		●	●	●	●					
Picadally Store			●		●							
Mahalaxmi			●		●					●		
Chowdry Pharmacy												
Guest House			●							●		
Puja Pandal									●			
Pine Mount			●	●			●					
Harisabha			●									
Pwd Building									●	●		●
Elsewhere School		●										
Jama Masjid	●											
Fast food			●		●							
Saloon					●							



APPAYANI (LOCAL SHOPS)



- Local tea shops where locals come to meet to discuss sports, politics and other such issues. **(shared story and history with the people)**
- The attractiveness is brought about the quality of the product offered
- Timings coincide with office closing timings

	Arun	Anthea	Moni	Rio	Reveal	Bahrit	Varun	Nomin	Baphi	Iba	Casper	Bino
Iew Dak	●	●	●	●	●	●	●		●			●
Parking Lot		●							●			●
Presbyterian Church		●	●		●				●	●	●	
Assam Club	●		●		●					●	●	
Municipal Market	●	●							●	●	●	
Muslim Cemetary	●			●			●	●		●	●	●
St. Johns	●	●	●	●	●	●			●	●	●	
Red Cross	●	●		●	●	●	●		●	●	●	●
Civil Hospital					●	●	●		●	●		
Police Station								●			●	
Garrison Ground	●					●	●				●	
Bengali Boys		●					●					
Idgar Shrine					●					●	●	
Shiv Mandir			●		●					●	●	
Laban Sports Club		●								●	●	●
Last Stop		●								●	●	
Dhobi Ghat			●		●		●					
Bengali Girls	●			●	●	●						
Glass Mosque									●		●	
Lumparing												
Bridge		●								●		
Papu Medical			●		●							
Trelly		●	●									
Madan Laban Area												
Shyam Store			●		●							
Statue			●		●					●		
Raid Laban Area												
Dispensary			●									
Umshyrpi College		●			●				●	●		
Grace Covenant Church			●							●		
Three Pines Cafe			●		●				●			
Azaad Store					●							●
Appayani	●	●		●	●	●	●					
Picadally Store			●		●							
Mahalaxmi			●		●					●		
Chowdry Pharmacy												
Guest House			●							●		
Puja Pandal									●			
Pine Mount			●	●			●					
Harisabha			●									
Pwd Building									●	●		●
Elsewhere School		●										
Jama Masjid	●											
Fast food			●		●							
Saloon					●							



# CONCLUSIONS

**History** and **Story** behind a place  
**Shared** backgrounds

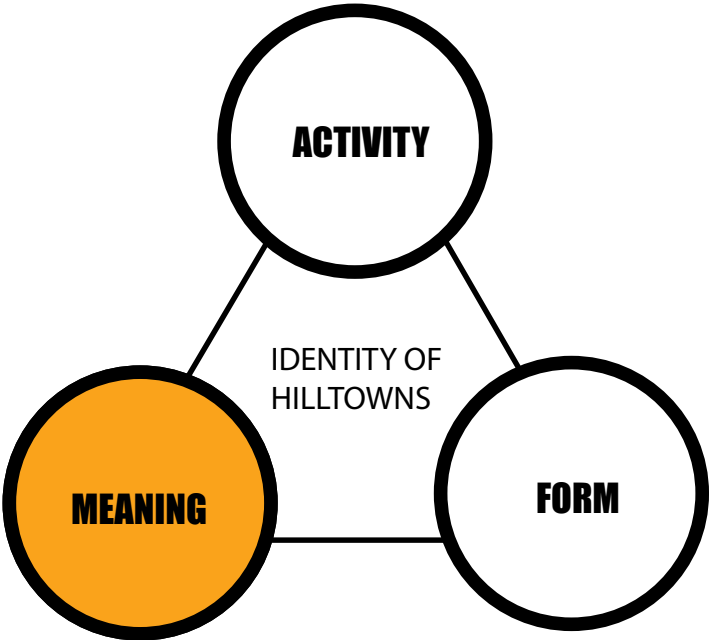
**Usage** and comfort

Activities **Linked to a Landmark**

IMAGEABILITY

COMFORT

DISTINCTIVENESS





# PATHWAYS

## Primary movement - Vehicular movement

It was important to understand and realise that there was a **main activity spine** which acts as a container for the **larger neighbourhood scale** public activities





# PATHWAYS

## Secondary movement - Pedestrian movement

It was important to understand and realise that there was a **main activity spine** which acts as a container for the larger neighbourhood scale public activities but that there are also the **secondary informal pedestrian streets** which hold the **smaller scale** public/ semi public activities and serves as connections to the main spine.





PATHWAYS



Public water systems



Shortcut to a transit point



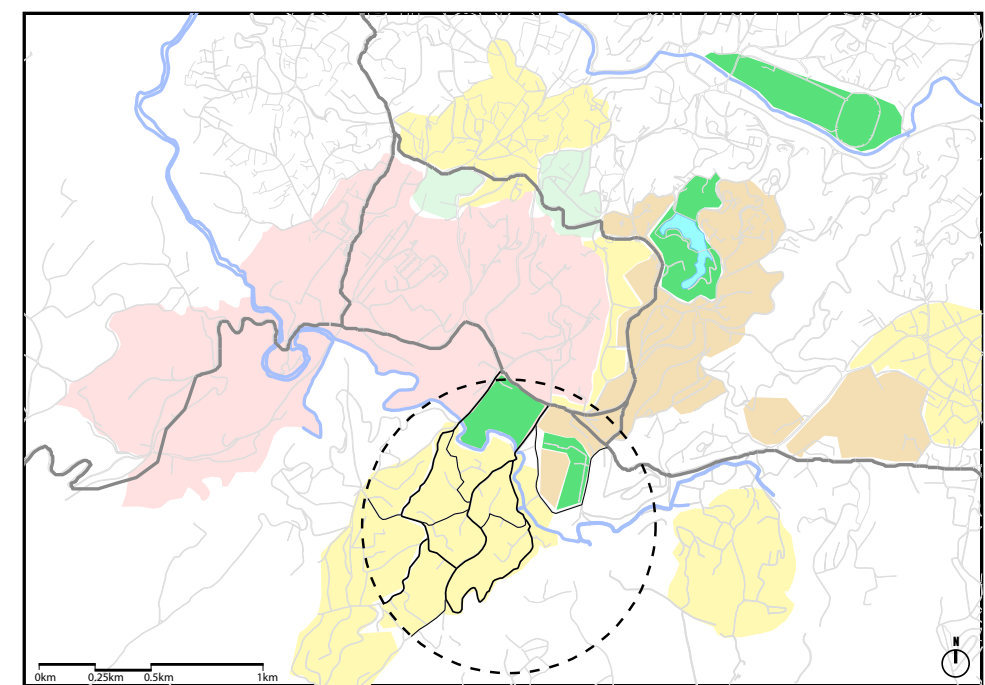
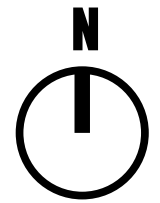
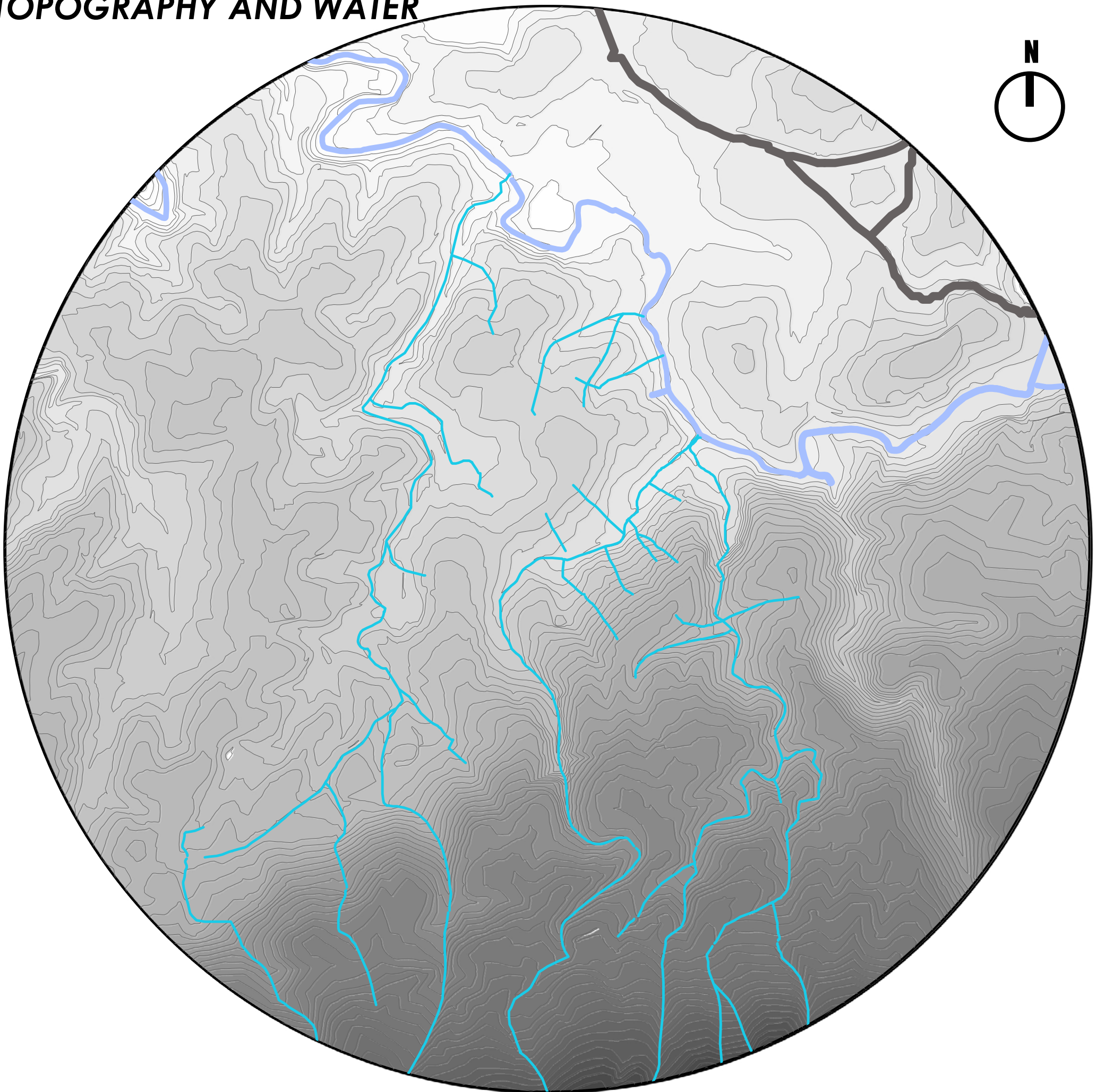
Local shops



**FORM (legibility, scale and landmarks)**



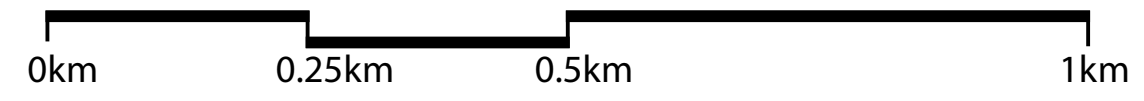
TOPOGRAPHY AND WATER



The topography presents both a challenge and an opportunity for the development in hilltowns

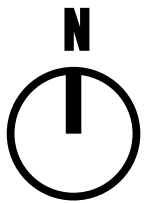
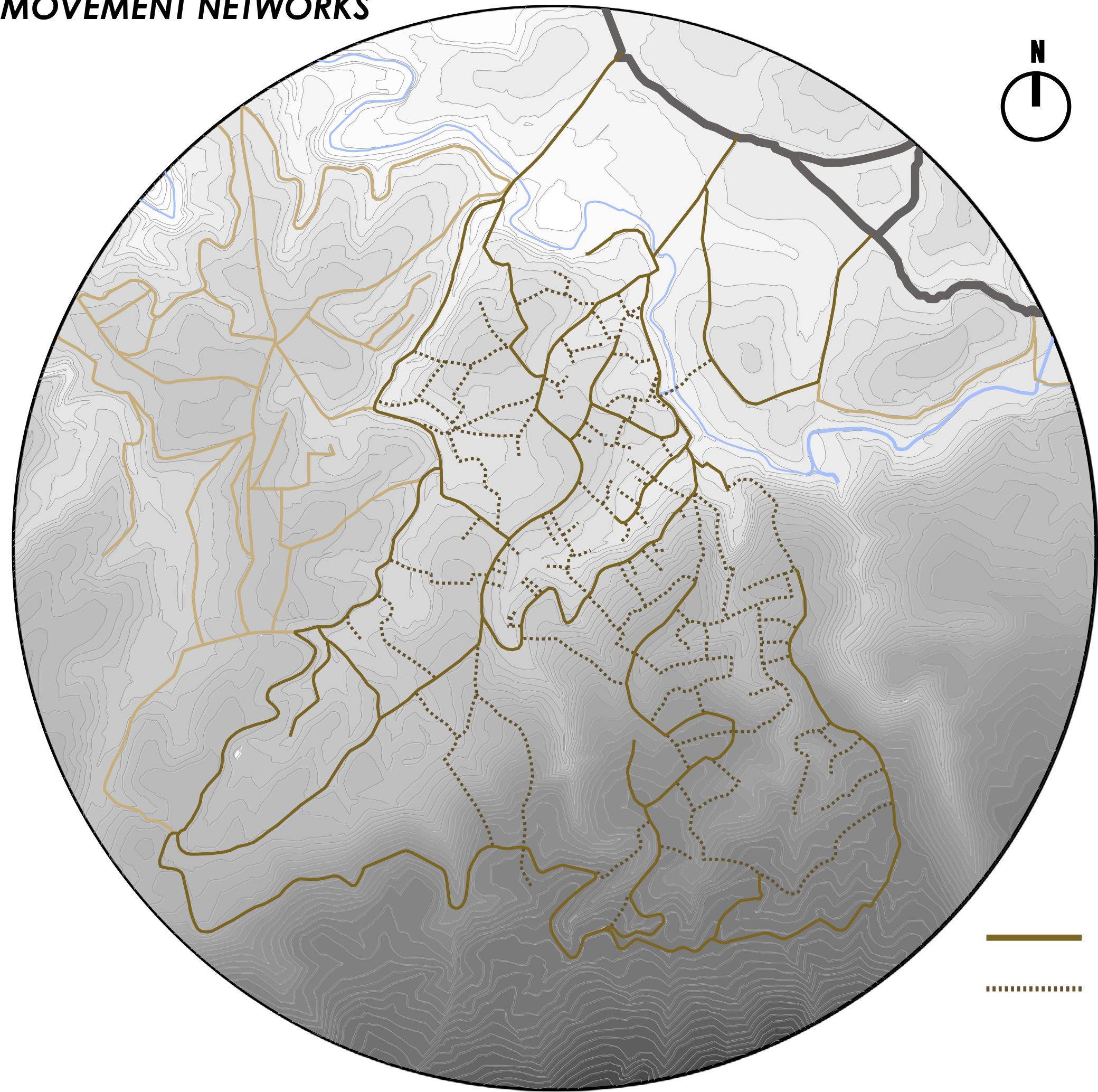
Water

Topography



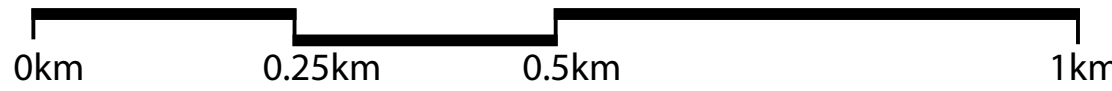


**MOVEMENT NETWORKS**



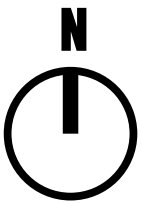
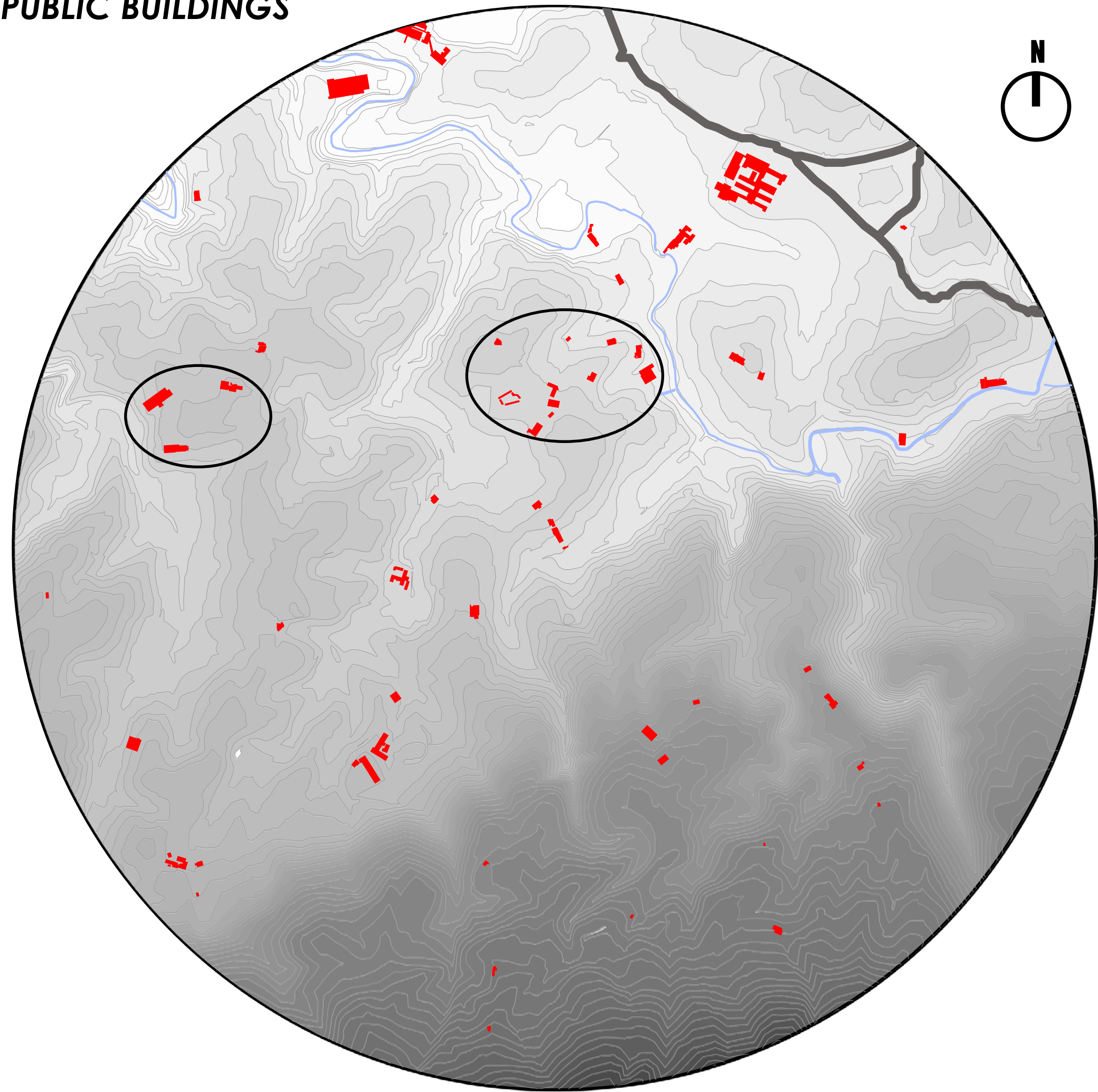
Highlights the importance of the pedestrian informal pathways as very important movement networks of the city.

-  Vehicular Movement networks
-  Pedestrian Movement networks





**PUBLIC BUILDINGS**



The morphology of the landform pre-  
dominantly dictates where the most im-  
portant public buildings will be situated.

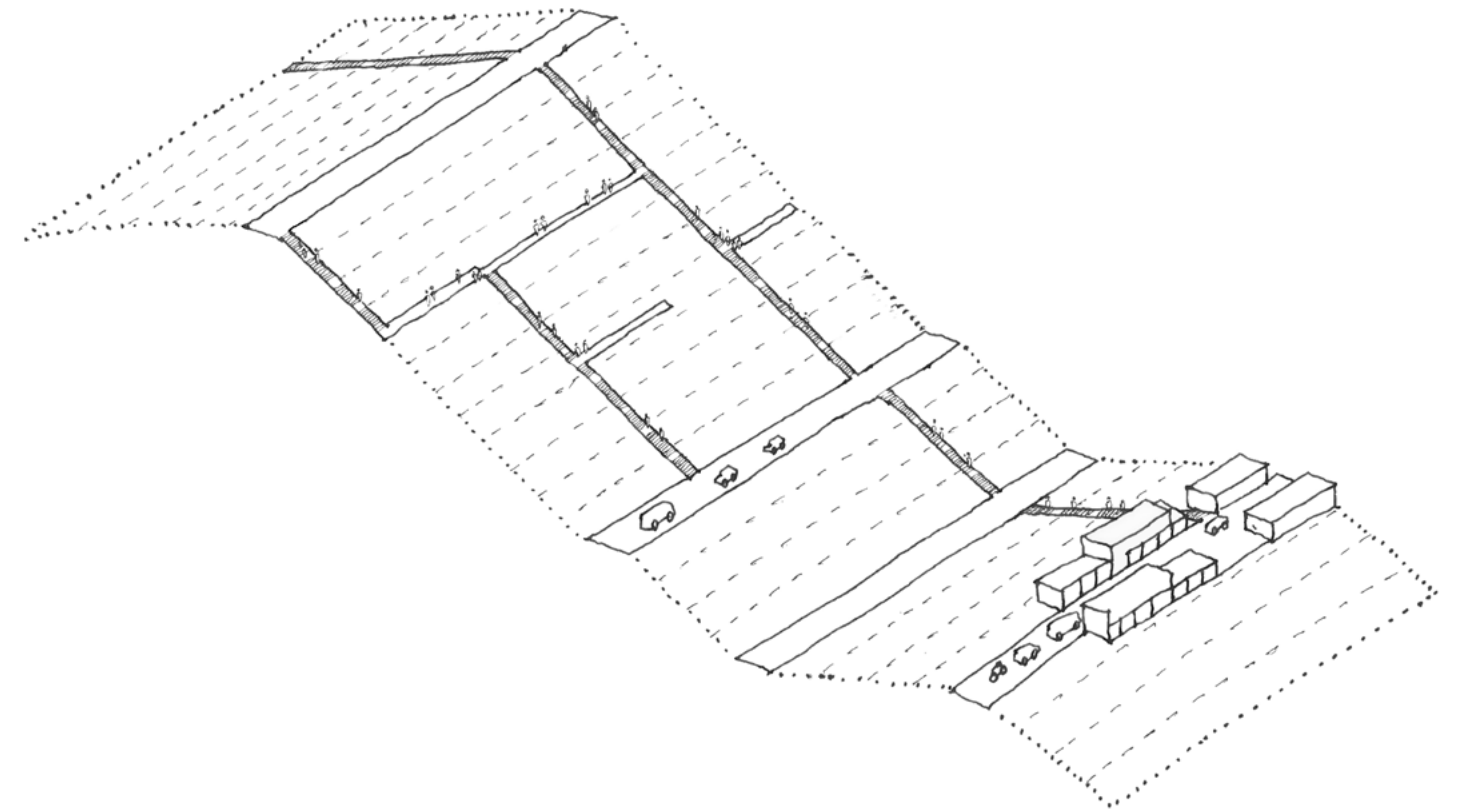
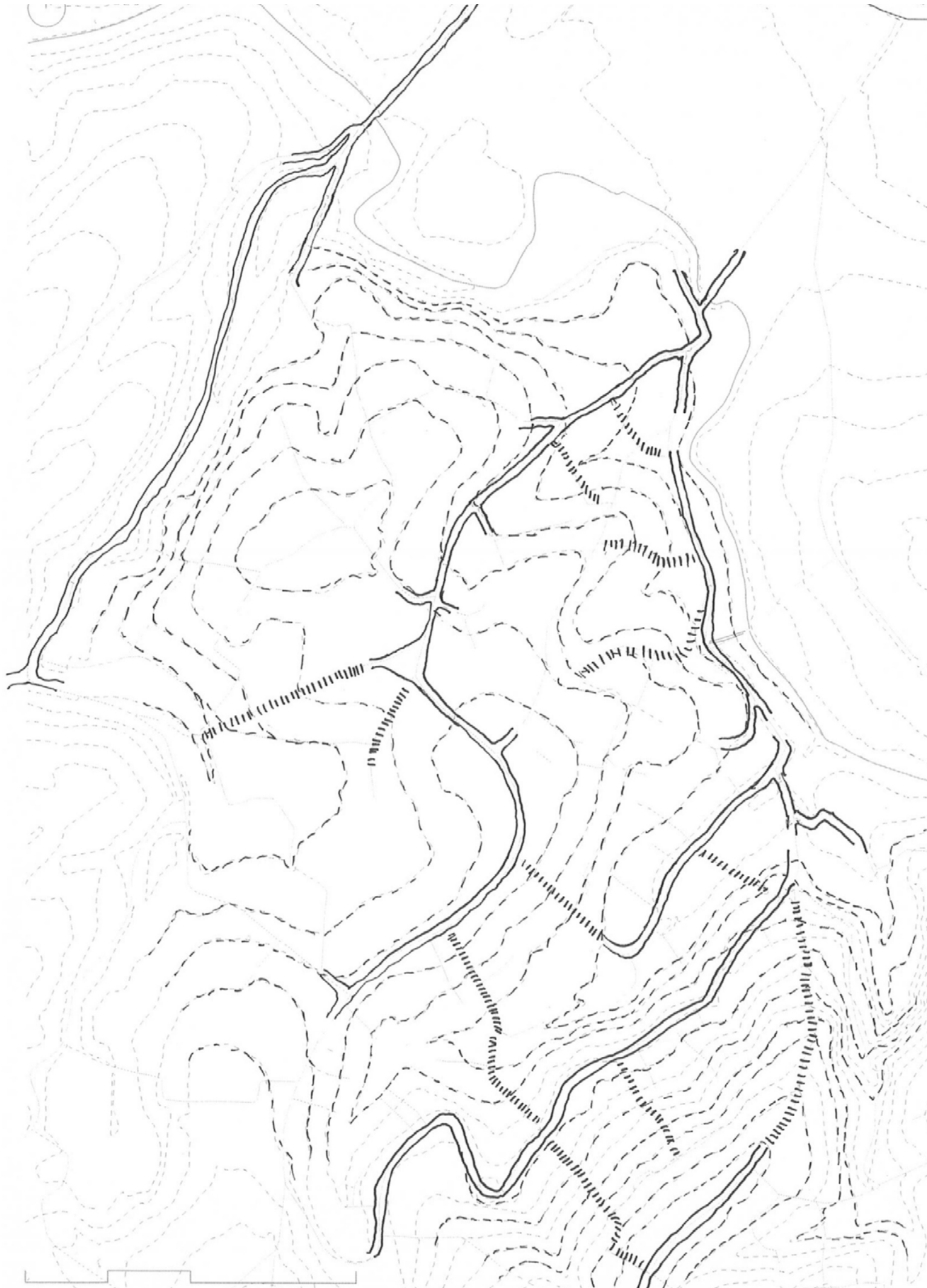
Landmark buildings located at  
ideal locations on the slope





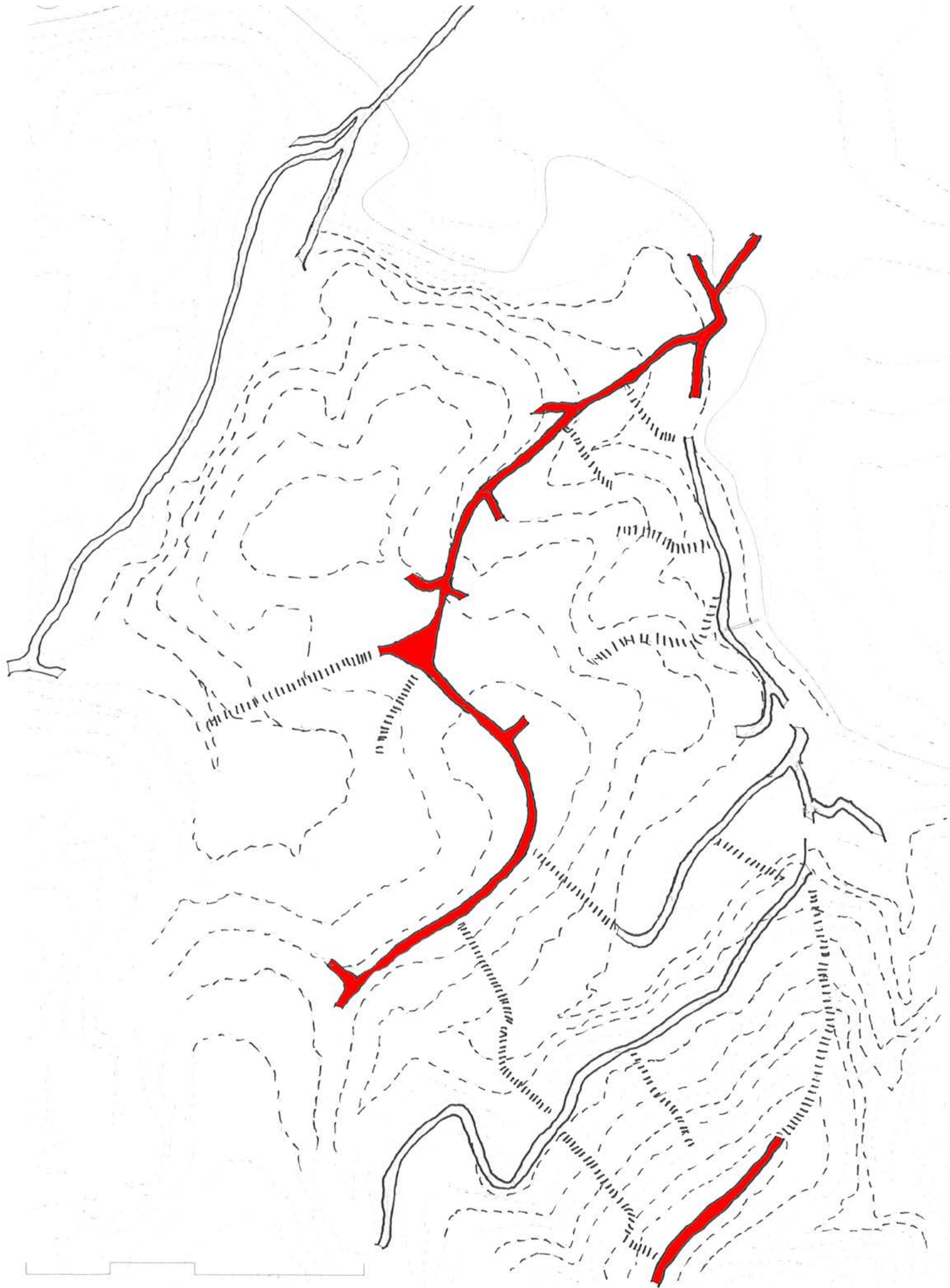
# PATHWAYS AND TOPOGRAPHY

Exploring the typology of the informal pathways (stepped streets)

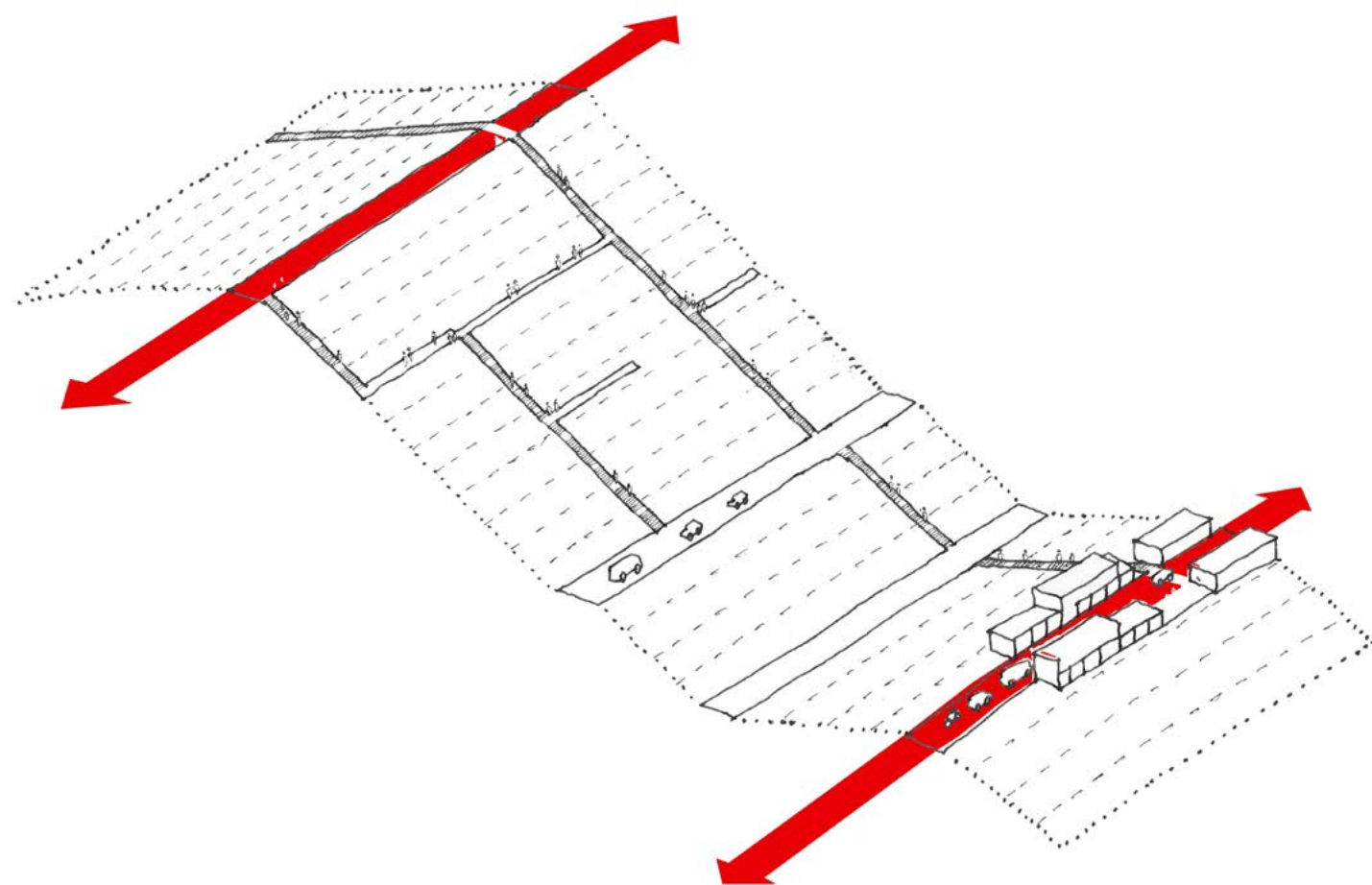




**PATHWAYS AND TOPOGRAPHY**



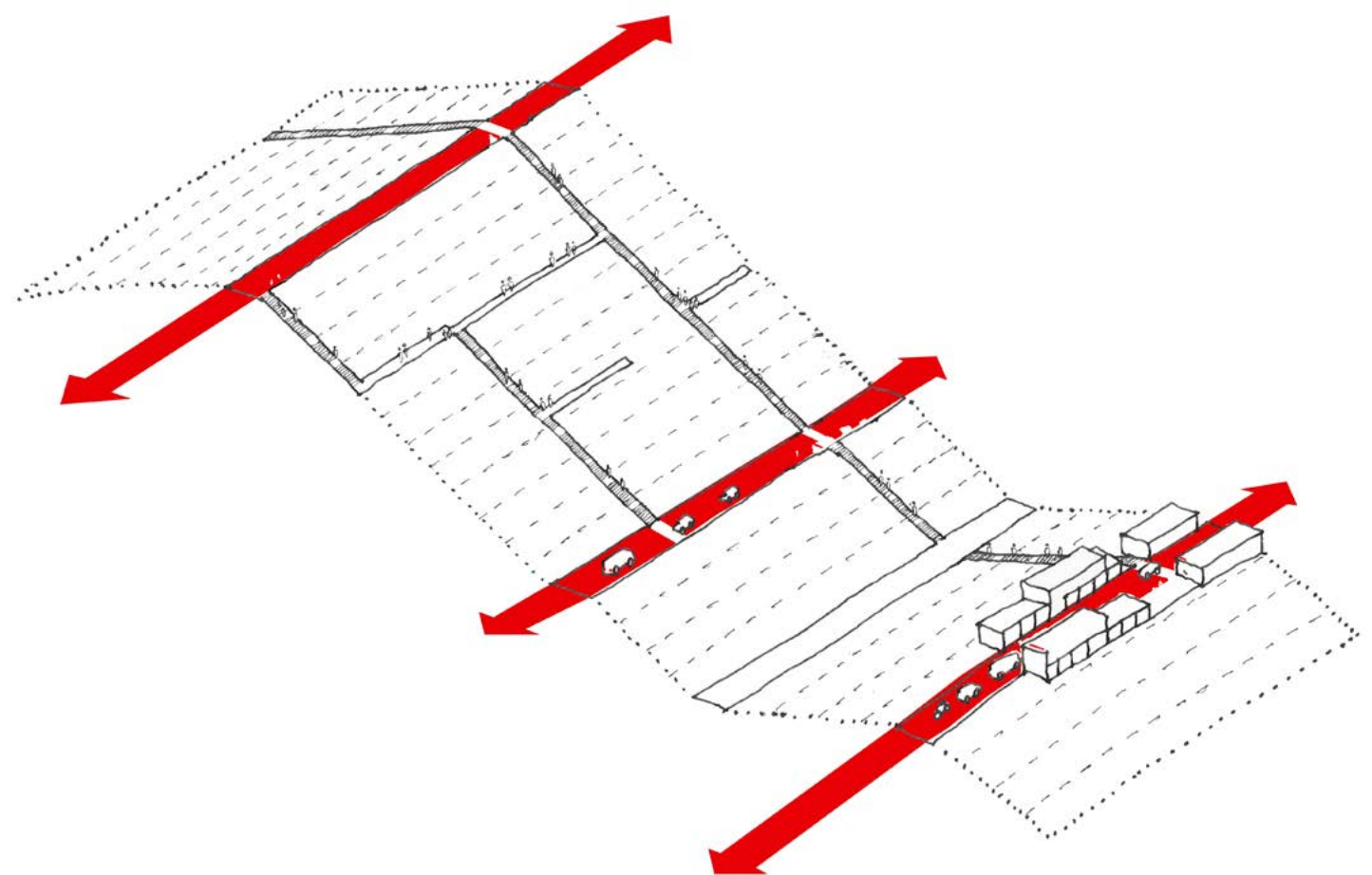
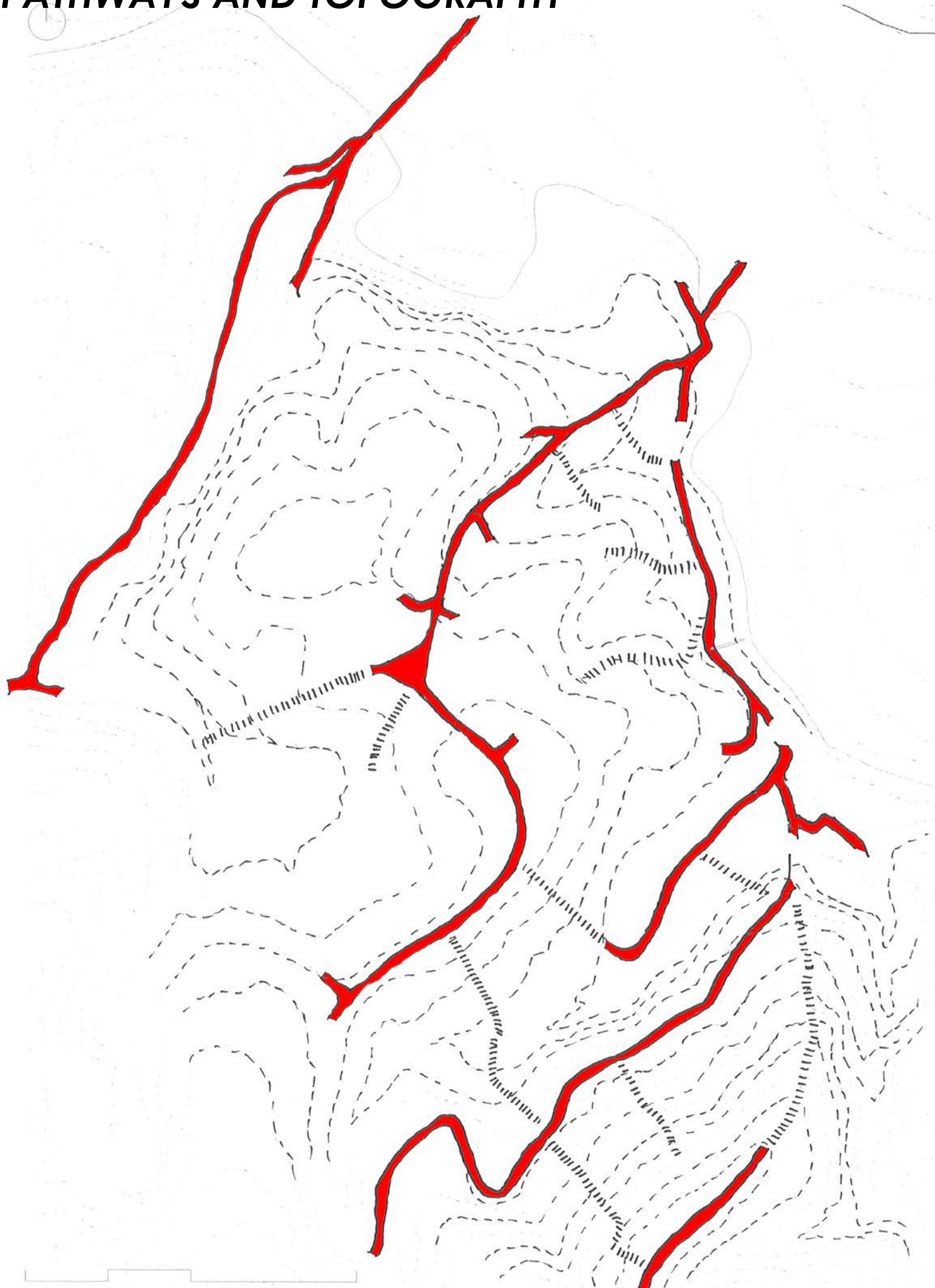
Primary movement spine



**Vehicular street along the ridge**



**PATHWAYS AND TOPOGRAPHY**



Vehicular street along the contour  
**(readable and intellegible)**



# PATHWAYS AND TOPOGRAPHY

**More related to commercial activities**

**The spine is the domain of the cars**

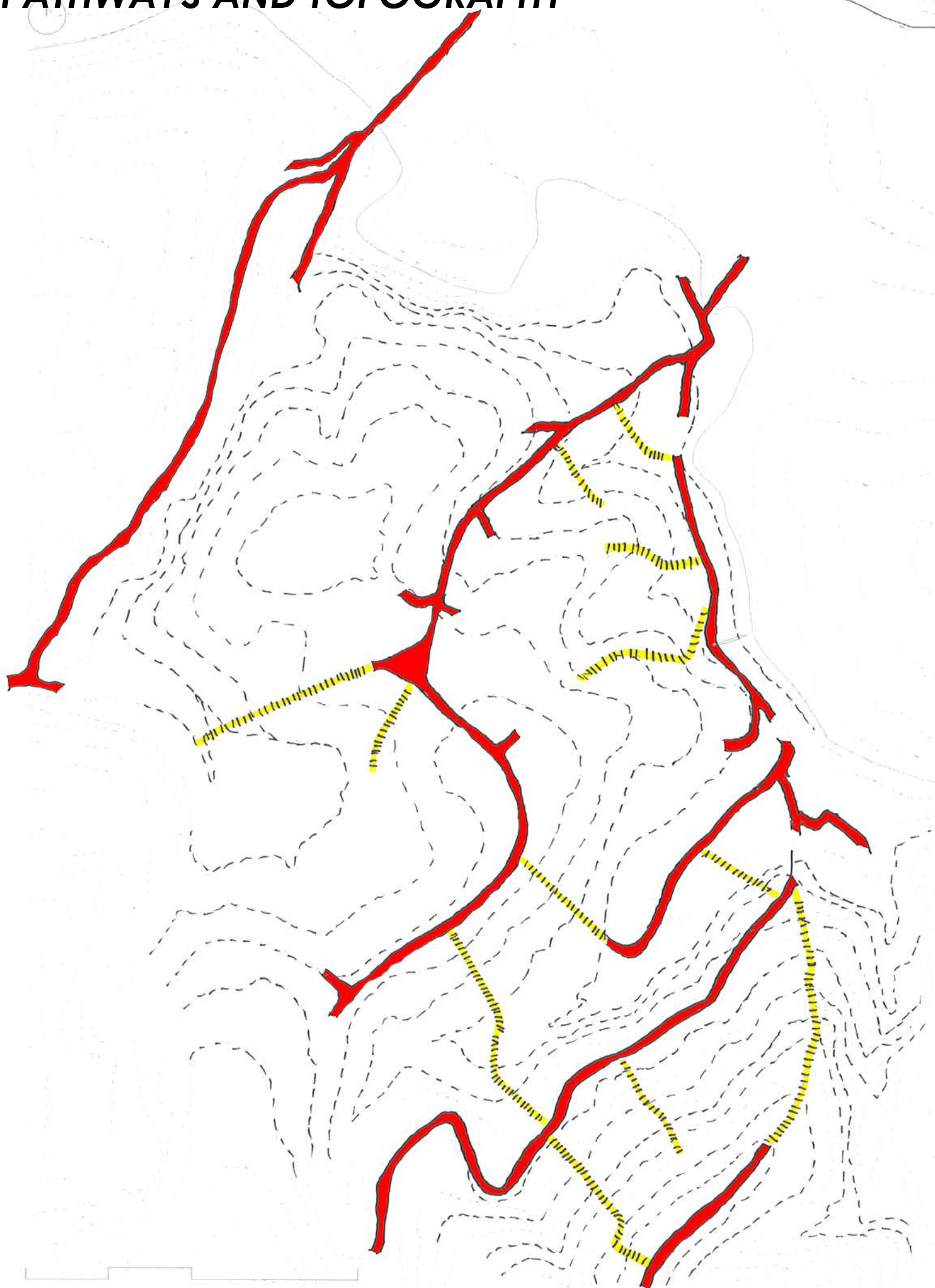


These are the more imageable of the streets by virtue of the commercial activities which occur on them

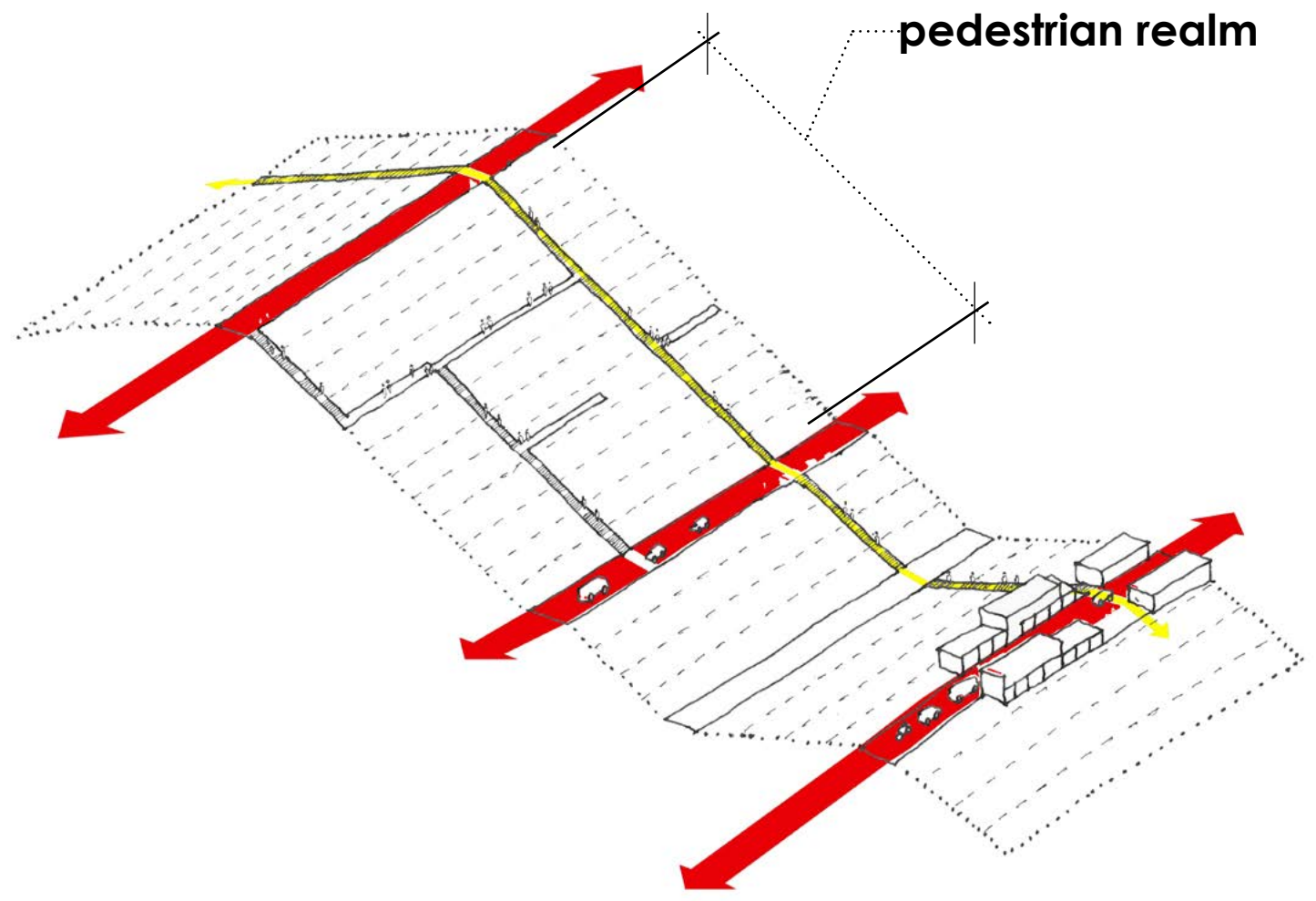




**PATHWAYS AND TOPOGRAPHY**



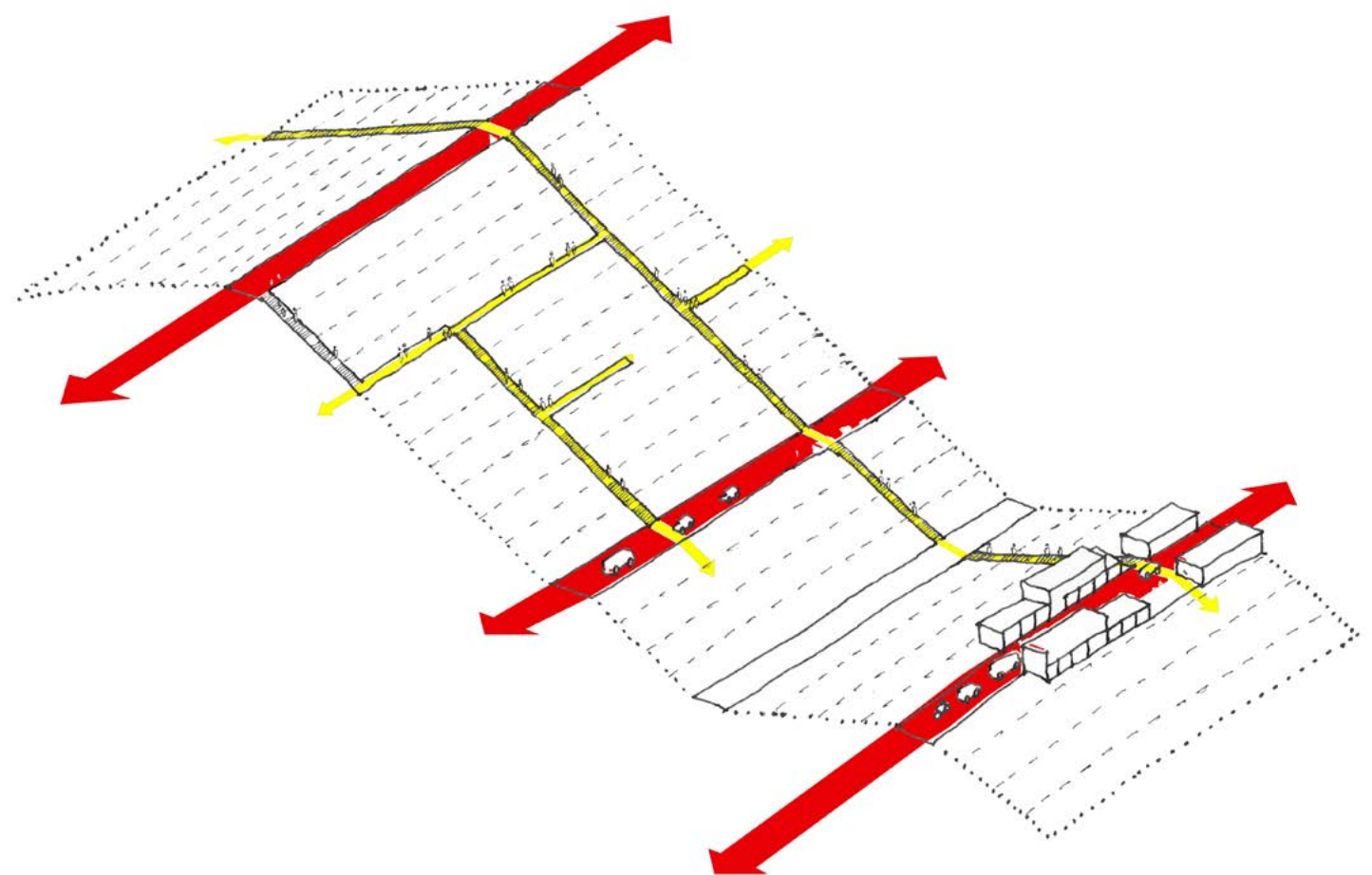
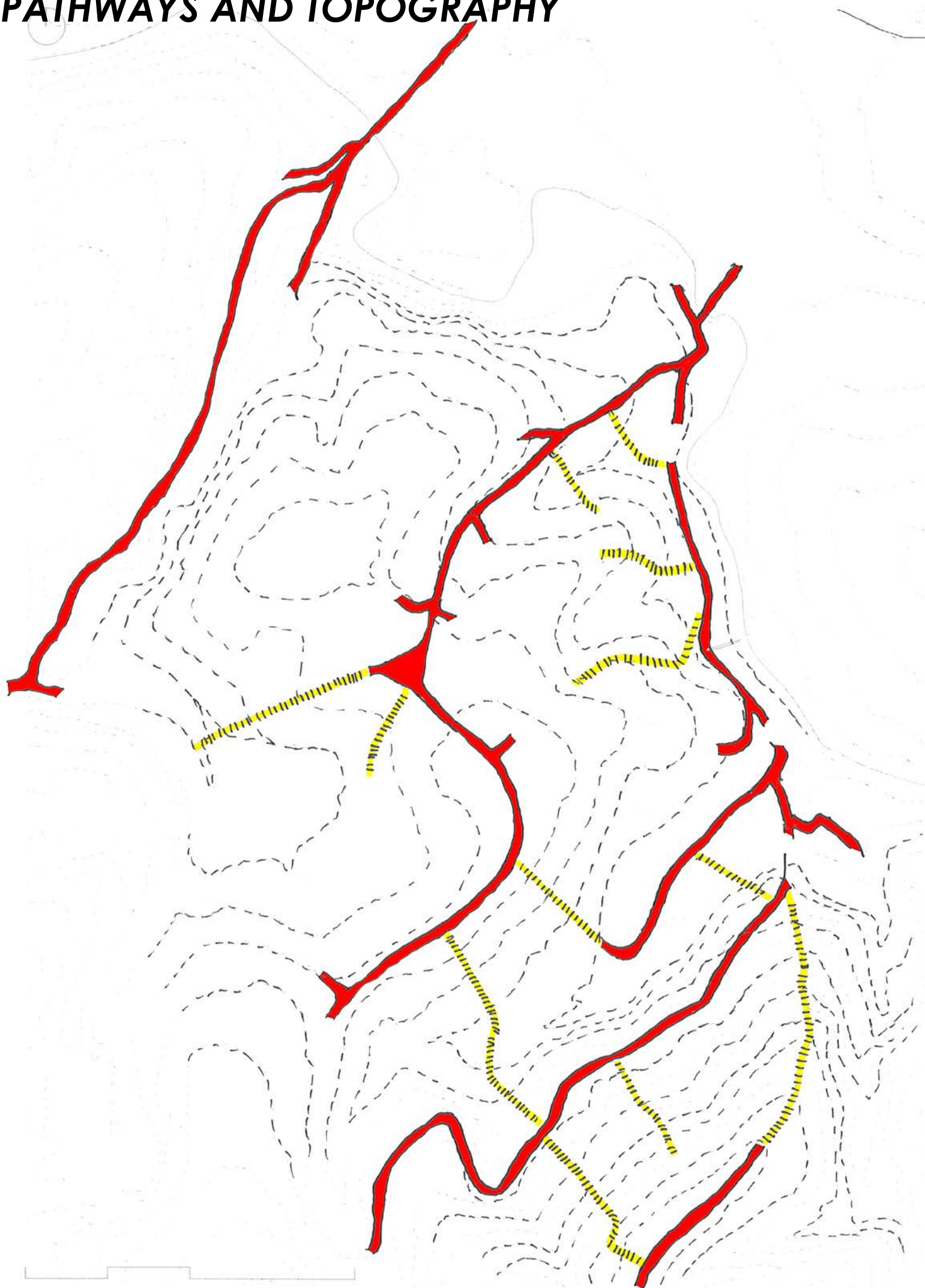
Pedestrian movement network



These informal paths cut across the contour and the main streets  
(readability of the pedestrian realm)



**PATHWAYS AND TOPOGRAPHY**

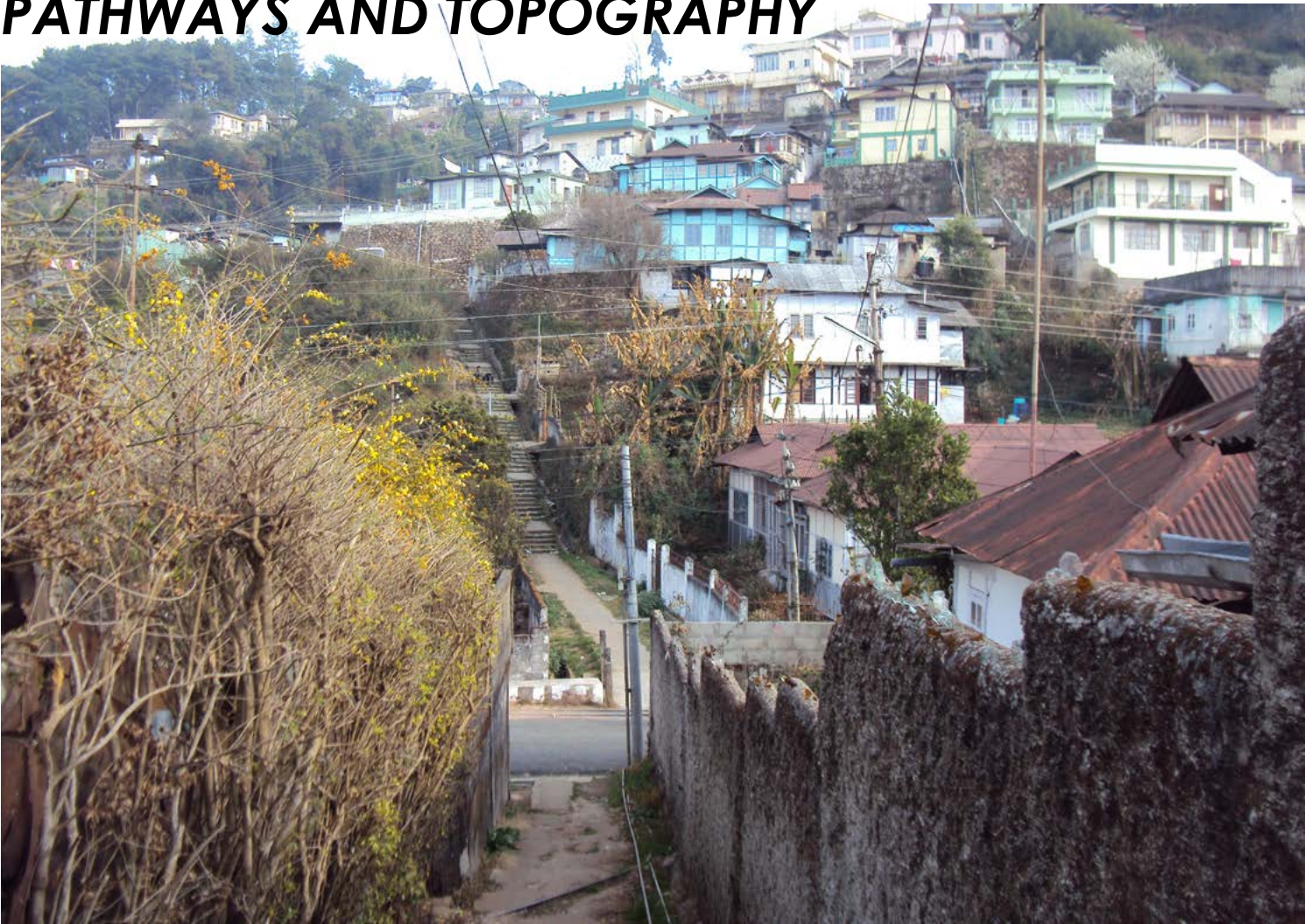


pathways branching out across the informal pedestrian paths

**(legibility of the pathways as semi private pedestrian realm)**



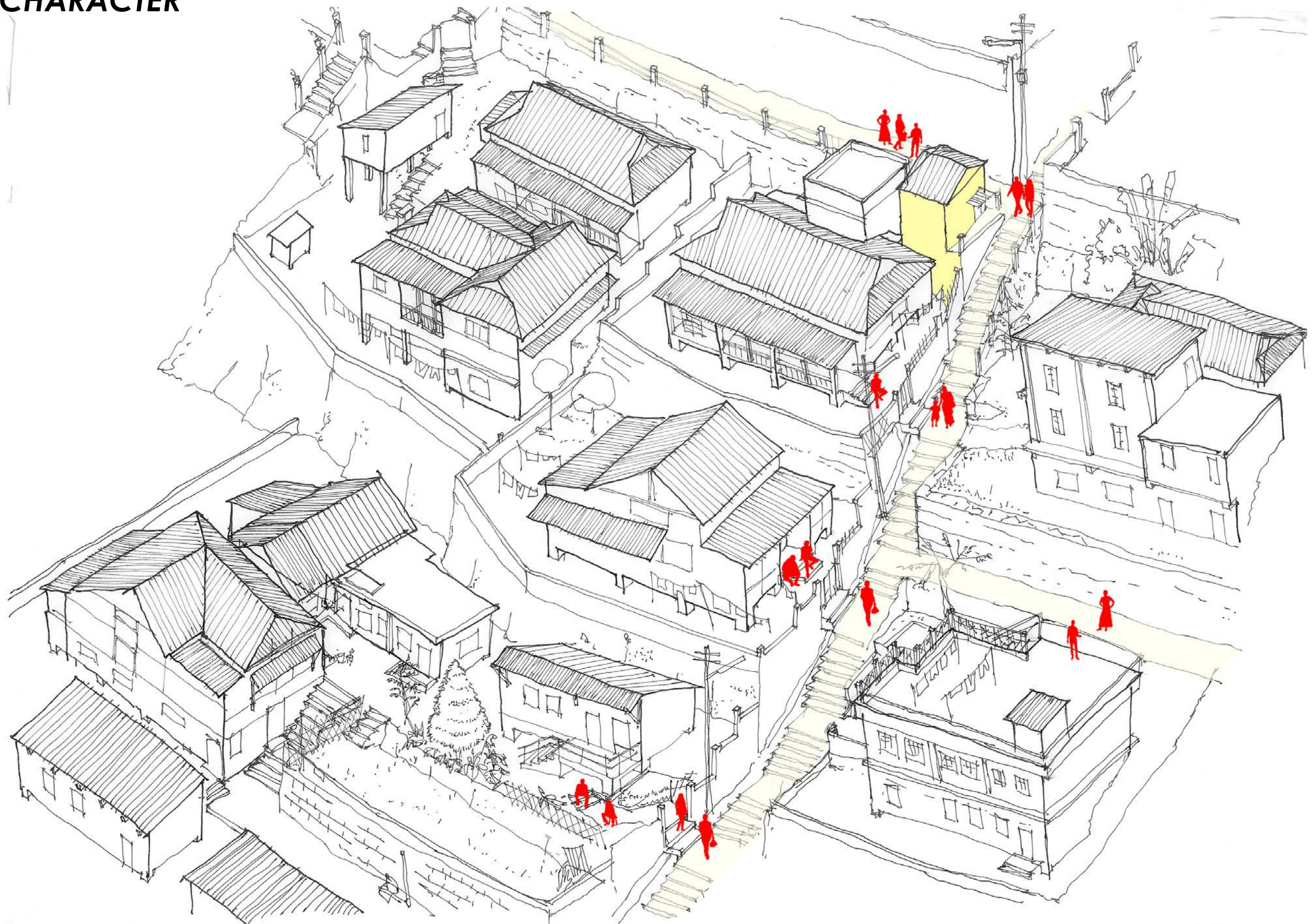
**PATHWAYS AND TOPOGRAPHY**



Small streets interaction with neighbours  
(street widths and scale facilitates bonds with neighbours)



# STREET CHARACTER



The domain of the pedestrians

These streets are more intimate and more private than the main roads

**(small shops serves as landmarks)**

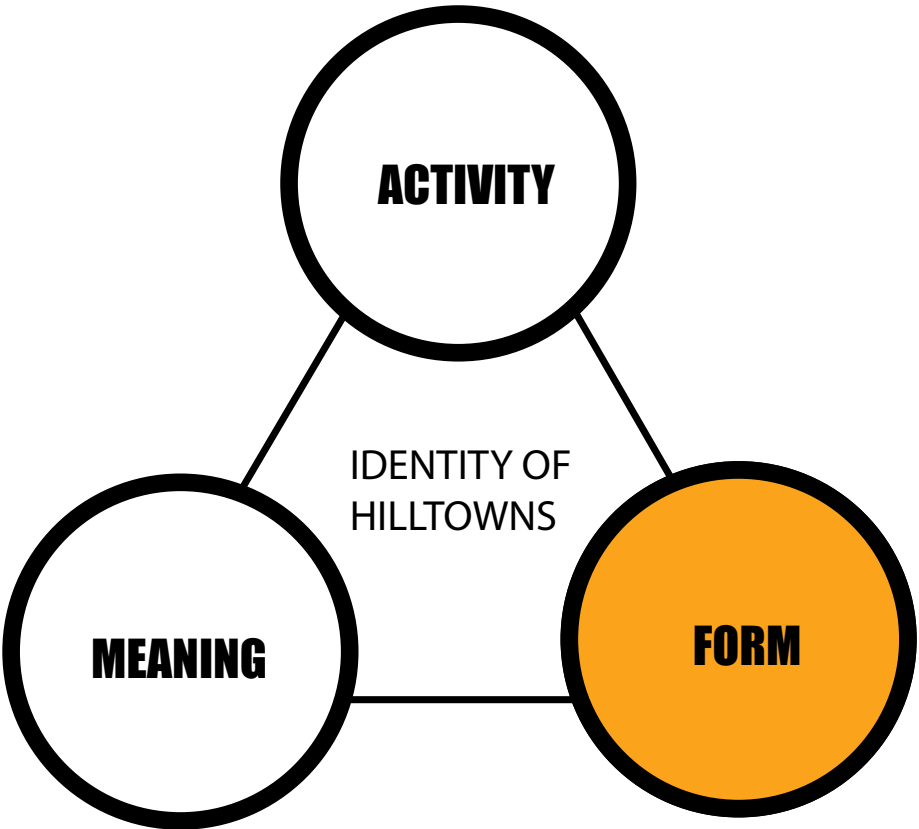


# CONCLUSIONS

street widths and street layout bring about **Legibility** and **Readability**

**Local markers** adds to this legibility of the streets

the **drainage systems** can be utilised for more useful purposes

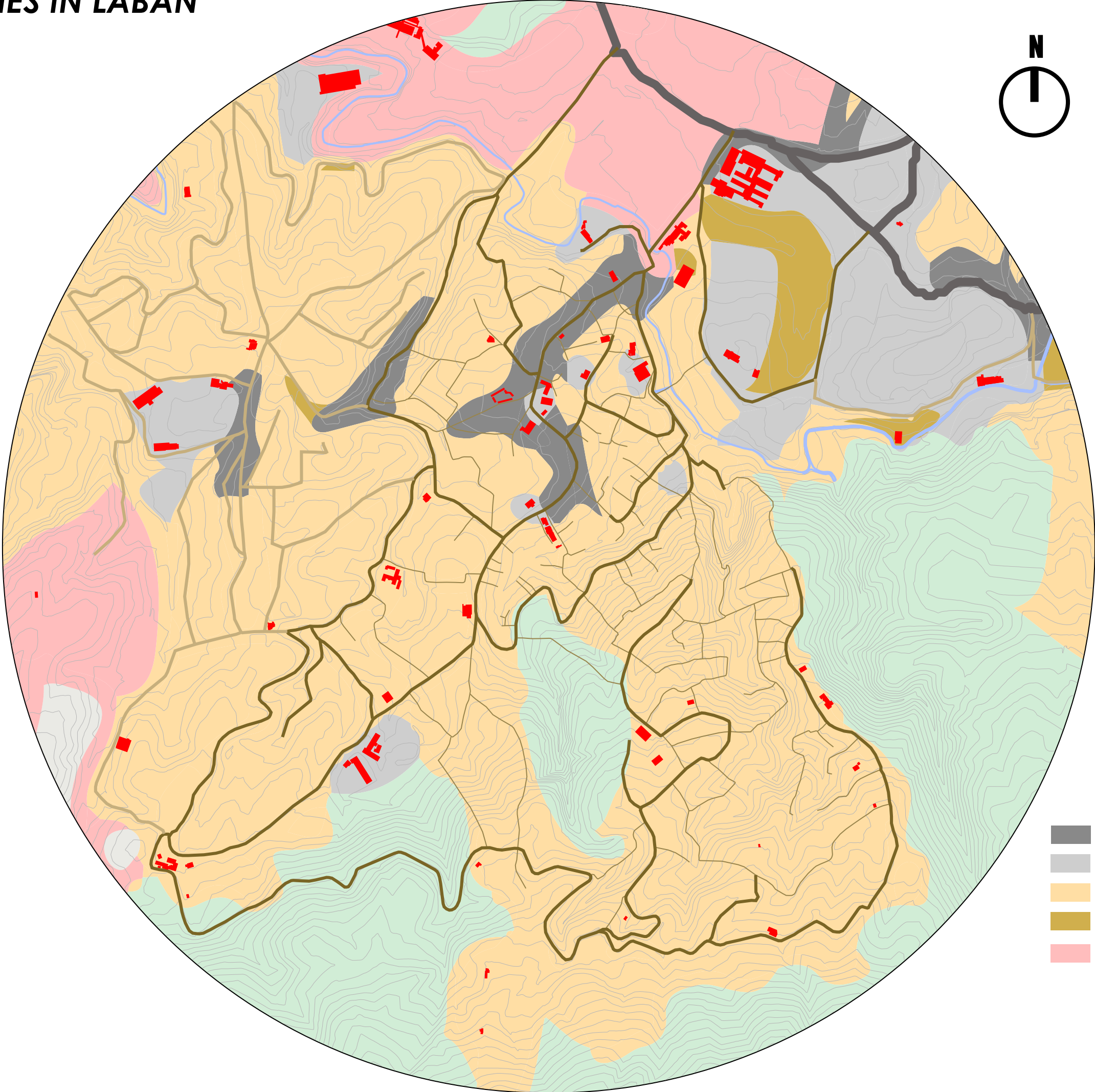




**ACTIVITIES** (Diversity of activities + diverse time)



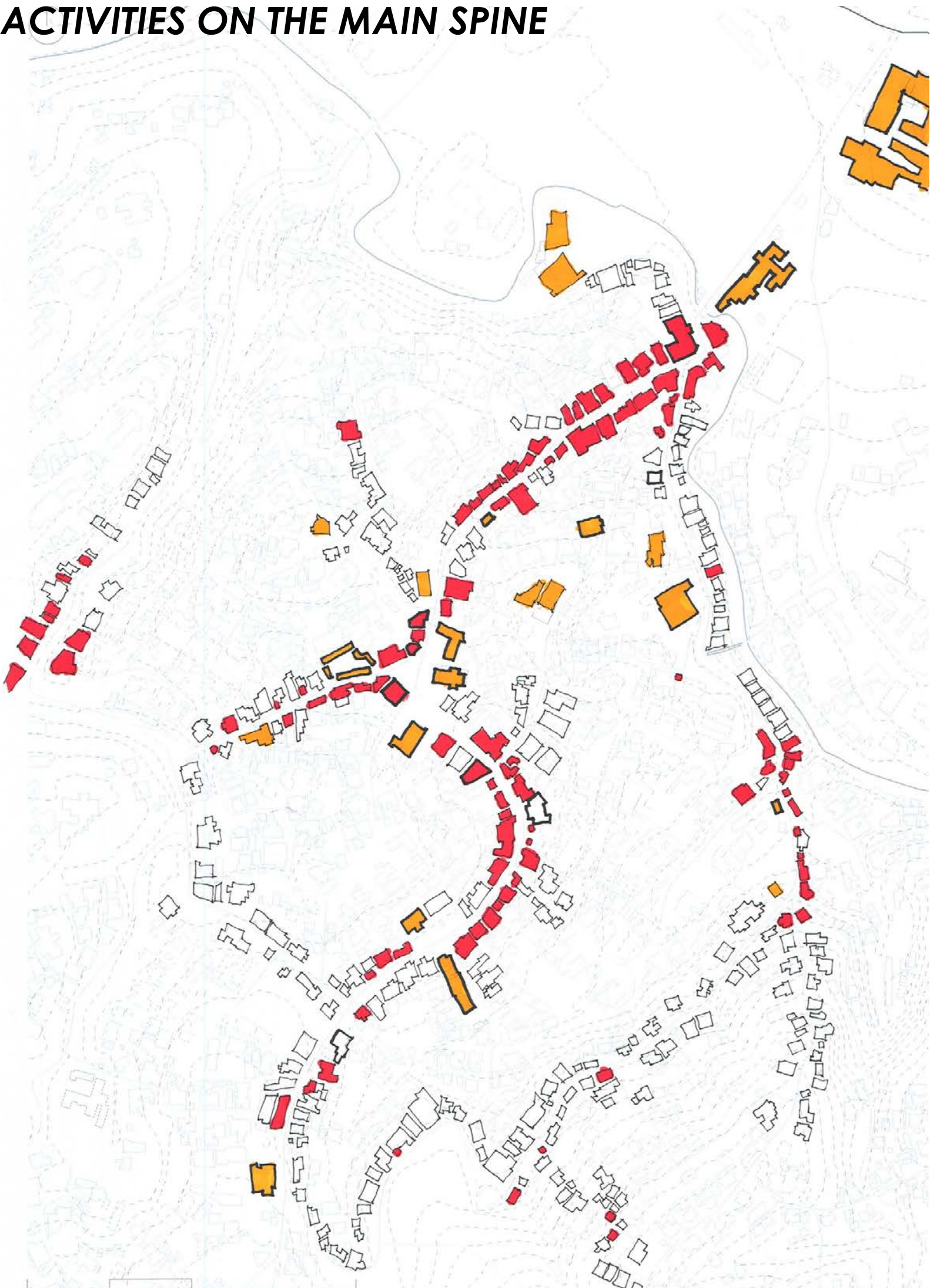
ACTIVITIES IN LABAN



- Commercial
- Public/Semi Public
- Residential
- Recreational
- Forest areas



ACTIVITIES ON THE MAIN SPINE



Intermingling of activities together

- Public buildings
- Commercial



STREET VENDORS



Local street vendors



Mobile vendors

Encouraging activity and people on the streets (**diversity**)



STREET FOOD VENDORS



informal food joints

Fcilitates life on the streets and interaction with people (fine grain economy, diversity, opening hours and street life)



informal food joints

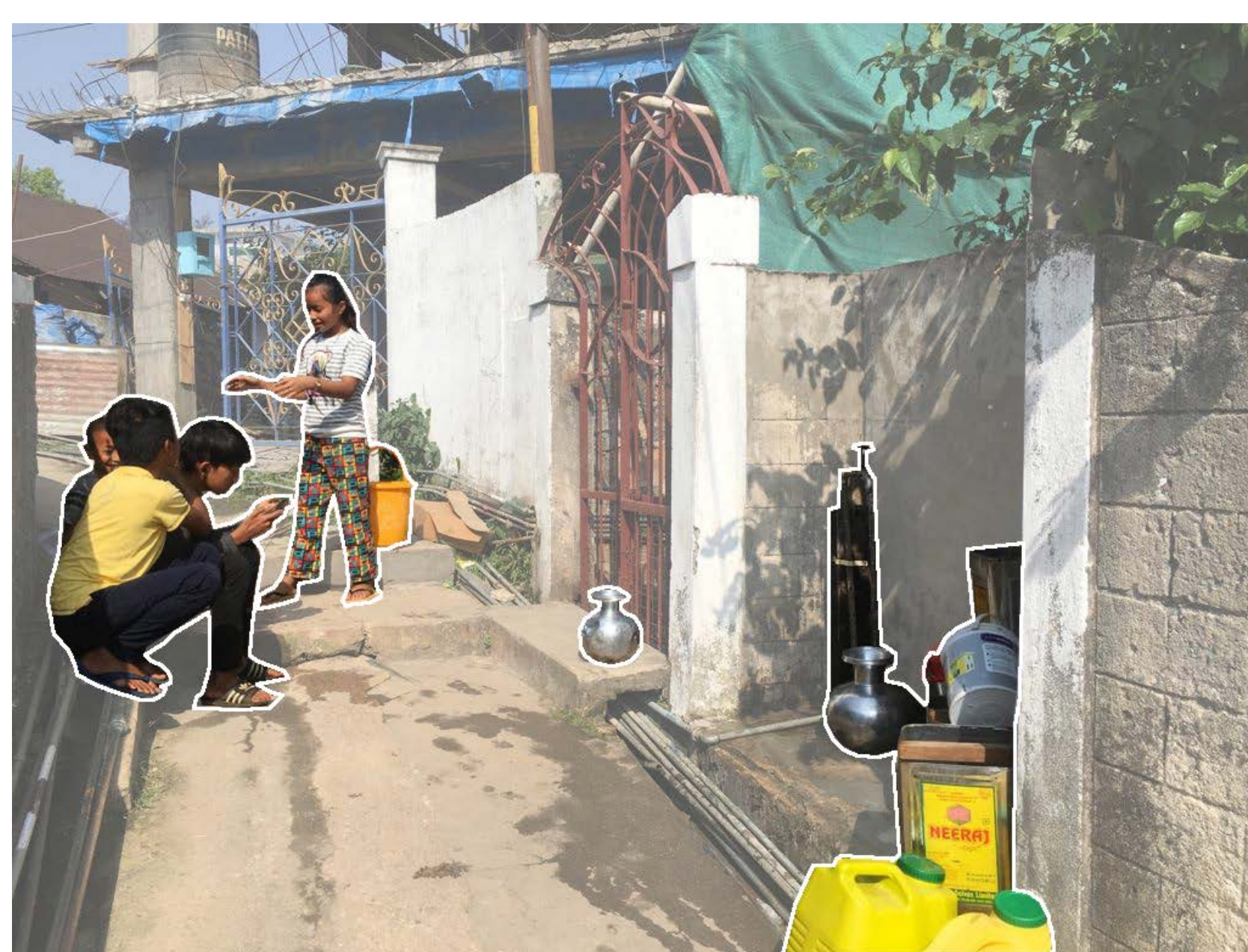


# LOCAL TAPS



Local water taps

(reviving old functions)  
the informal paths become more legible - leads to place making



Bringing back a sense of community to the informal pathways



**LOCAL SHOPS & STREET SIGNAGES**



Small ammenity shops

**(fine grained economy)  
(adds convenience)  
one function influences the other**



Street signage



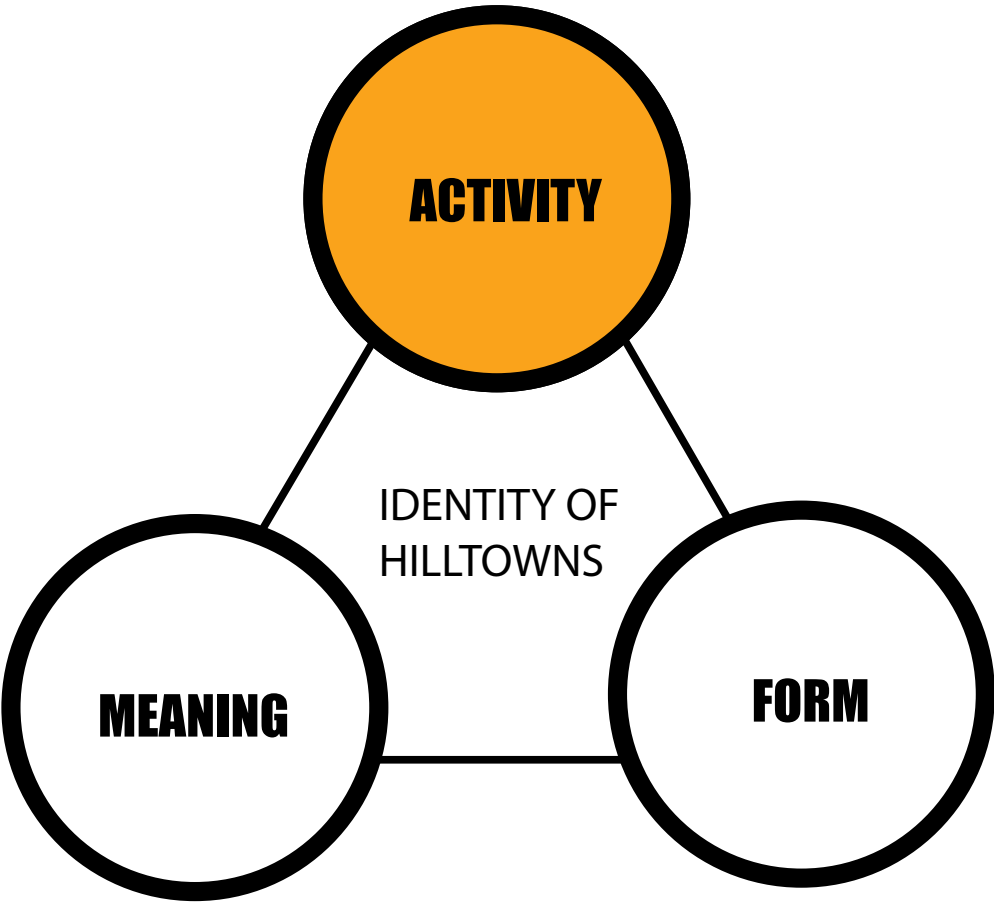
# CONCLUSIONS

**Range of Activities** in different times of the day

**Revival** of use

**Diversity** of choice

- local ammenities shops
- food vendors
- public taps/ water points
- vegetable vendors





# CONCLUSIONS FROM ANALYSIS

What are we going to do?	Related to the framework?	Outcomes?
Revive old public taps	<b>Story of the place</b>	<b>- Fosters a stronger sense of community</b>
Promote diversity of activities happening on the streets - Space provision for local food vendors, vegetable vendors and ammenity shops present along the pedestrian spine	<b>usage and comfort</b>  <b>comfort and facilitates needs</b>  <b>diversity &amp; vitality</b>	<b>- Improving on the usage of the streets</b> <b>- Improve on perceived security(eyes on the streets and vitality)</b>  <b>- Facilitate social interactions</b>
bring back green areas into the city  using the topography and the slope along with the natural drainage systems to recognise the importance of water in such climate	<b>improves on the legibility of the streets</b>  <b>distinctiveness rooted in the climate and topography</b>	<b>- The stepped streets have an environmental aspect to serve as well</b>
Seating areas along the steps  changing of the material of the footpaths for making it conducive for walking and running	<b>comfort and facilitates needs</b>	<b>- Moving towards more walk-able and pedestrian friendly cities</b>





## **DESIGN AND INTERVENTION**

### **Design goals**

To transform the streets from being just mere movement corridors to the main public realm of the neighbourhood by using diverse activities and re-viving old ones and drawing in the green networks into the city to facilitate walking and also improving on legibility.

### **Technical, Spatial & Social**



# EXAMPLE OF THE SOCIAL, SPATIAL AND TECHNICAL ASPECTS



Taking a typology of one of the pathways perpendicular to the contours



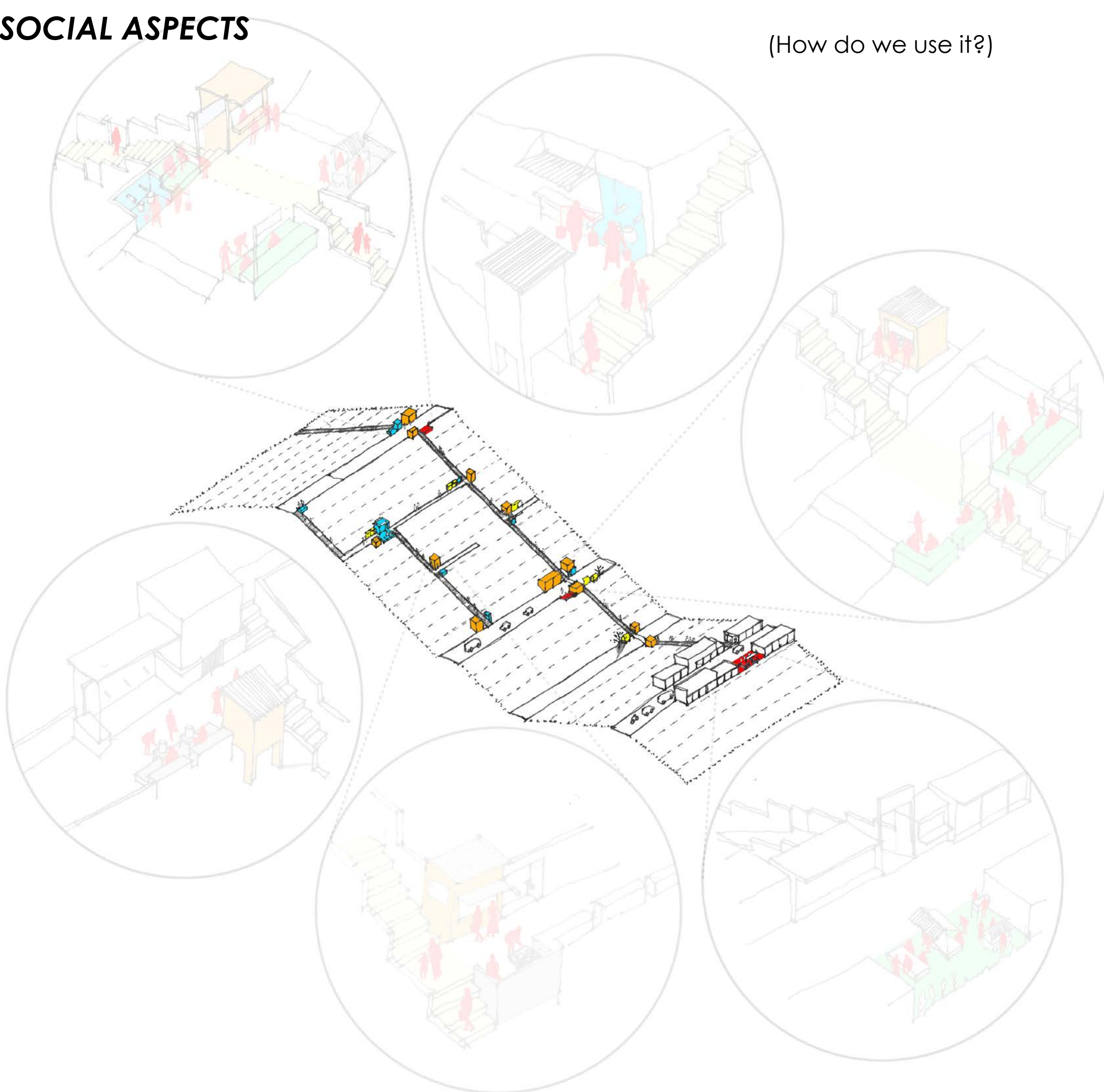
# SOCIAL ASPECTS

(How do we use it?)

Functional Aspects

Activities happening

- water taps
- amenities shops
- local food shops
- seating areas
- the pathways



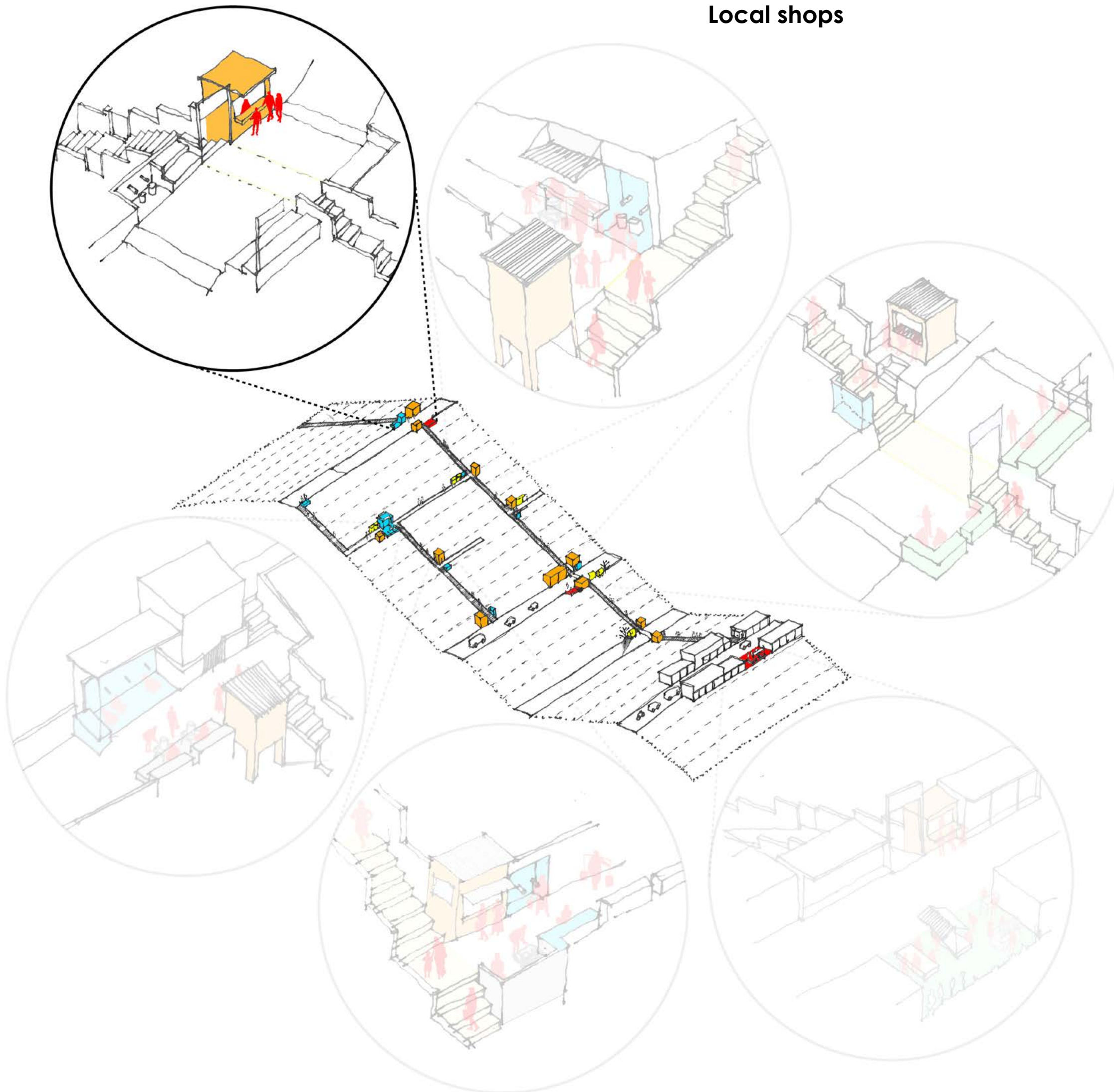


## Local shops

Form - Small scale, fine grain localised shops, landmarks

Activity - local shops serve as constant eyes on the streets throughout the day, chance encounters between residents

perceived sense of security for the streets.

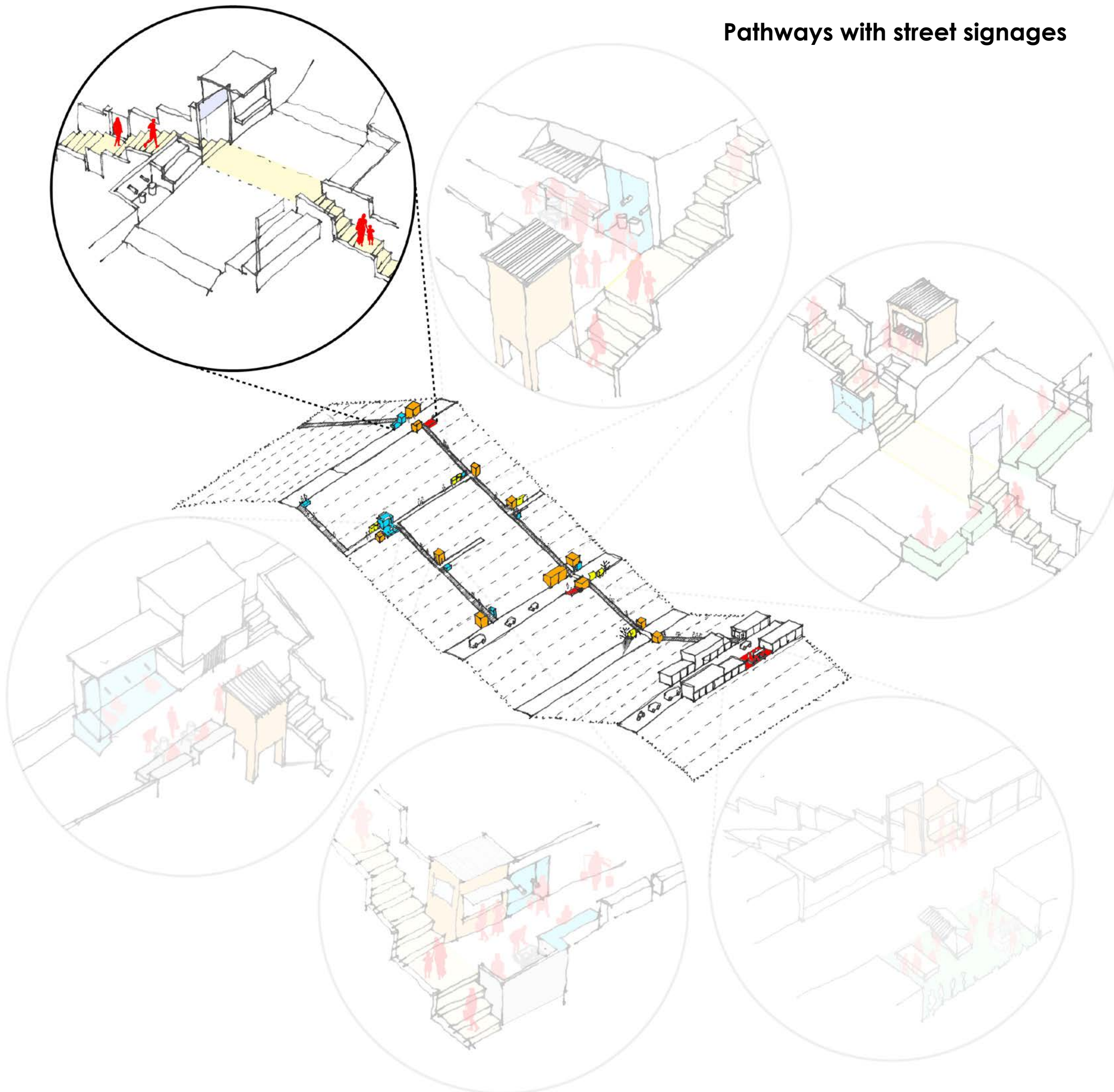




## Pathways with street signages

Activity - Using the streets as a exercise and training track, promoting walkable cities

Meaning - Street signages for number of steps climbed and location adds to the legibility of streets as a different meaning for joggers and trainers



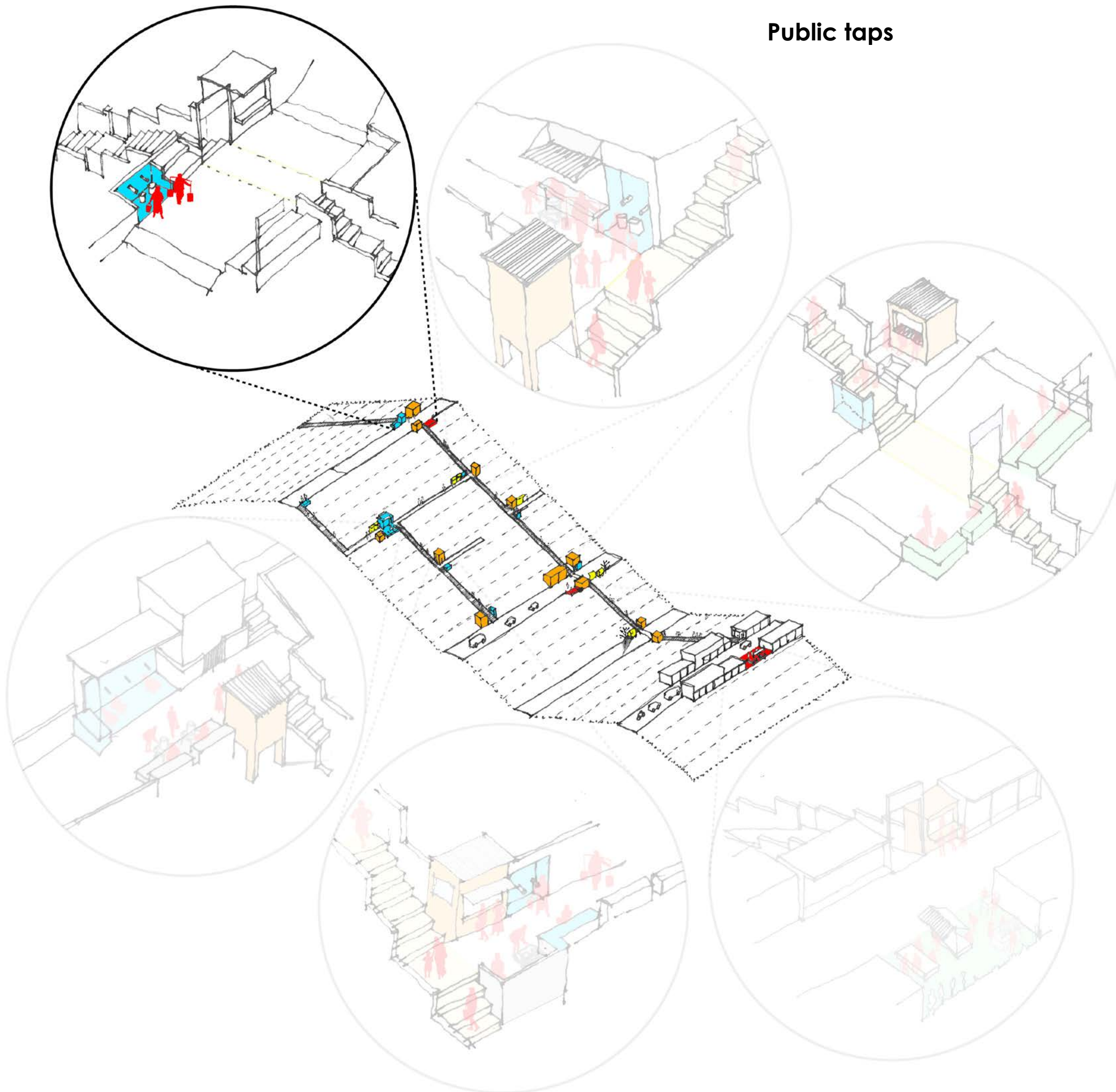


## Public taps

Form - A space carved out of the stepped streets meant for picking up water.

Activity - collecting water in the early hours of the morning, drinking points for joggers

Meaning - Early morning ritual of collectively meeting with neighbours and discussing news, politics, work etc.

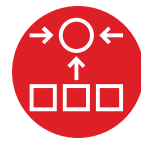
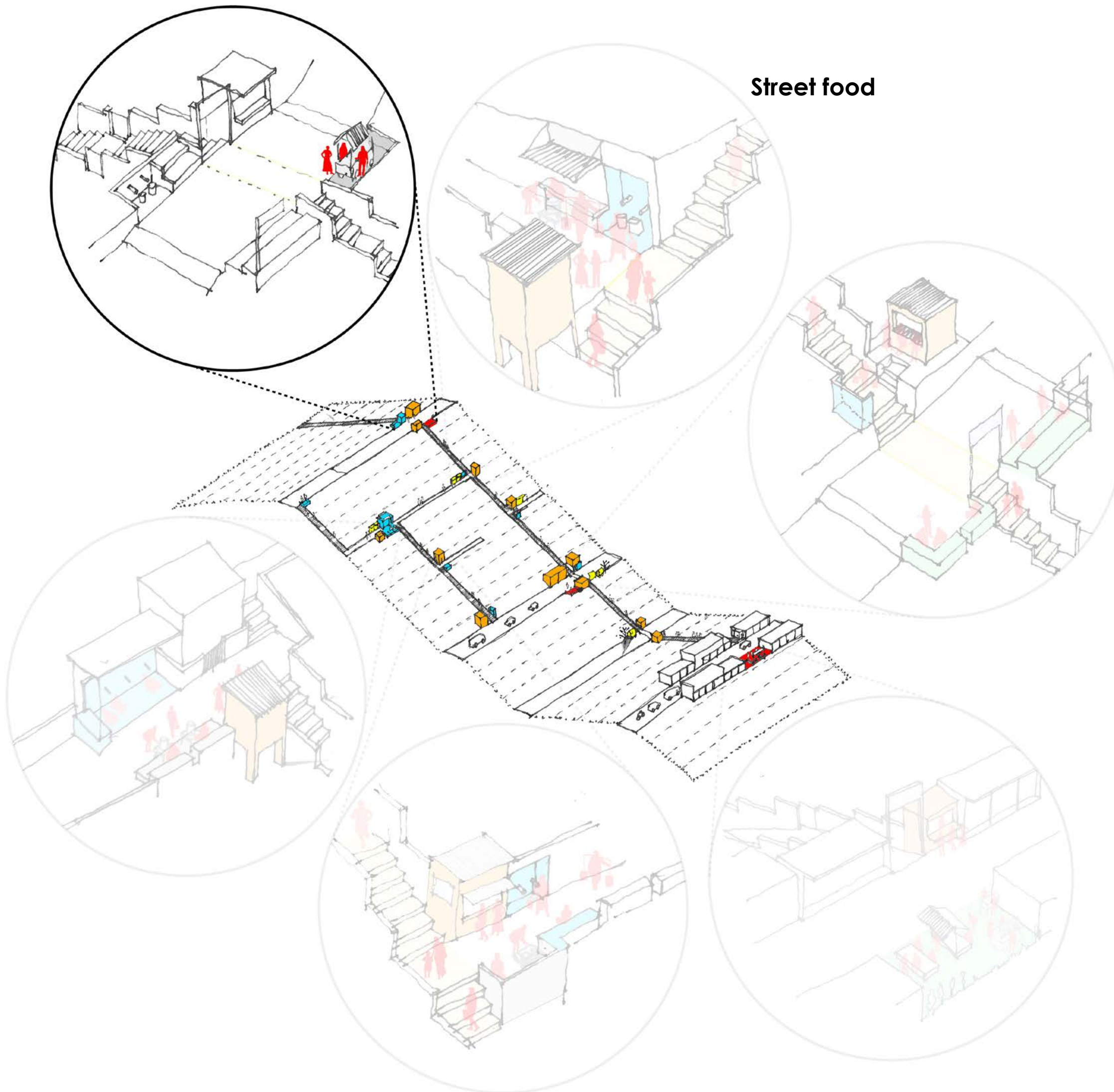




## Street food

Activity - evening leisure time for the residents and youth to go to local food joints

Meaning - evening meeting hub

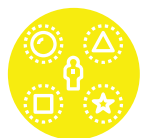
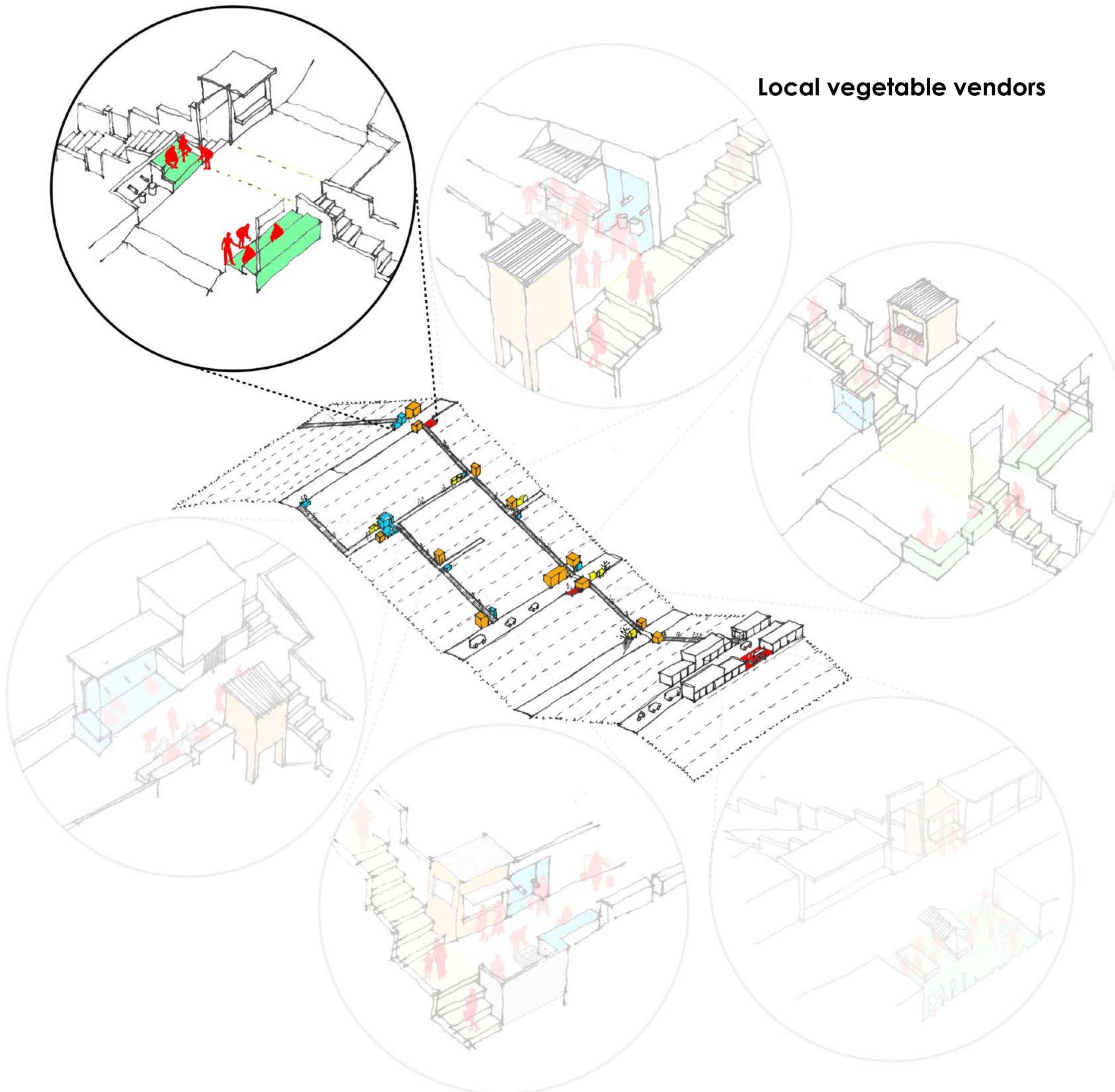




## Local vegetable vendors

Form - During the hours when not in use this is used as a space for seating or people watching

Activity - places where residents can pick up local produce on their way back home

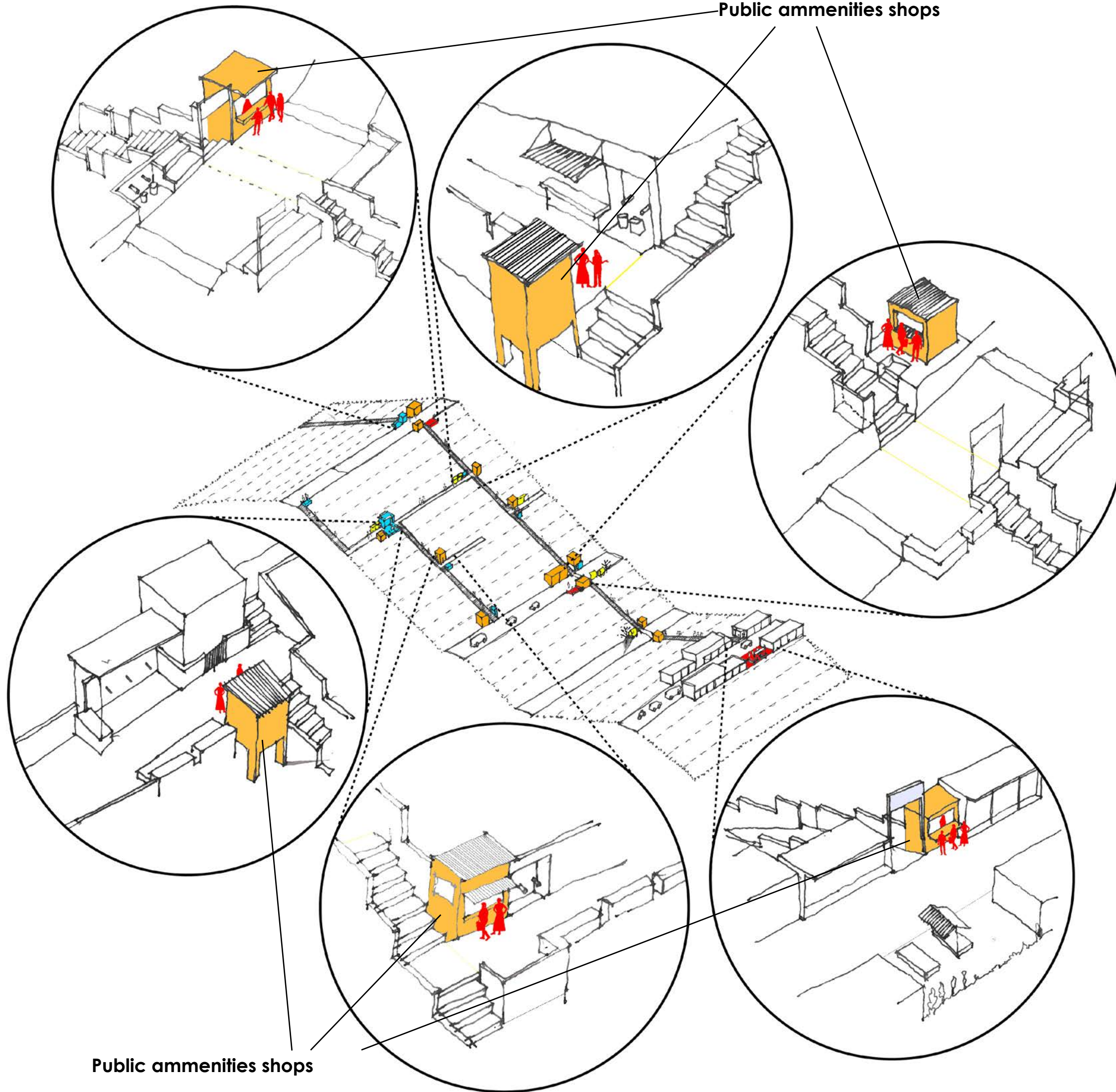




Public ammenities shops

provide convinience & meeting points

Small coffee machines, tea stalls and juice machines which provide refreshments for the locals



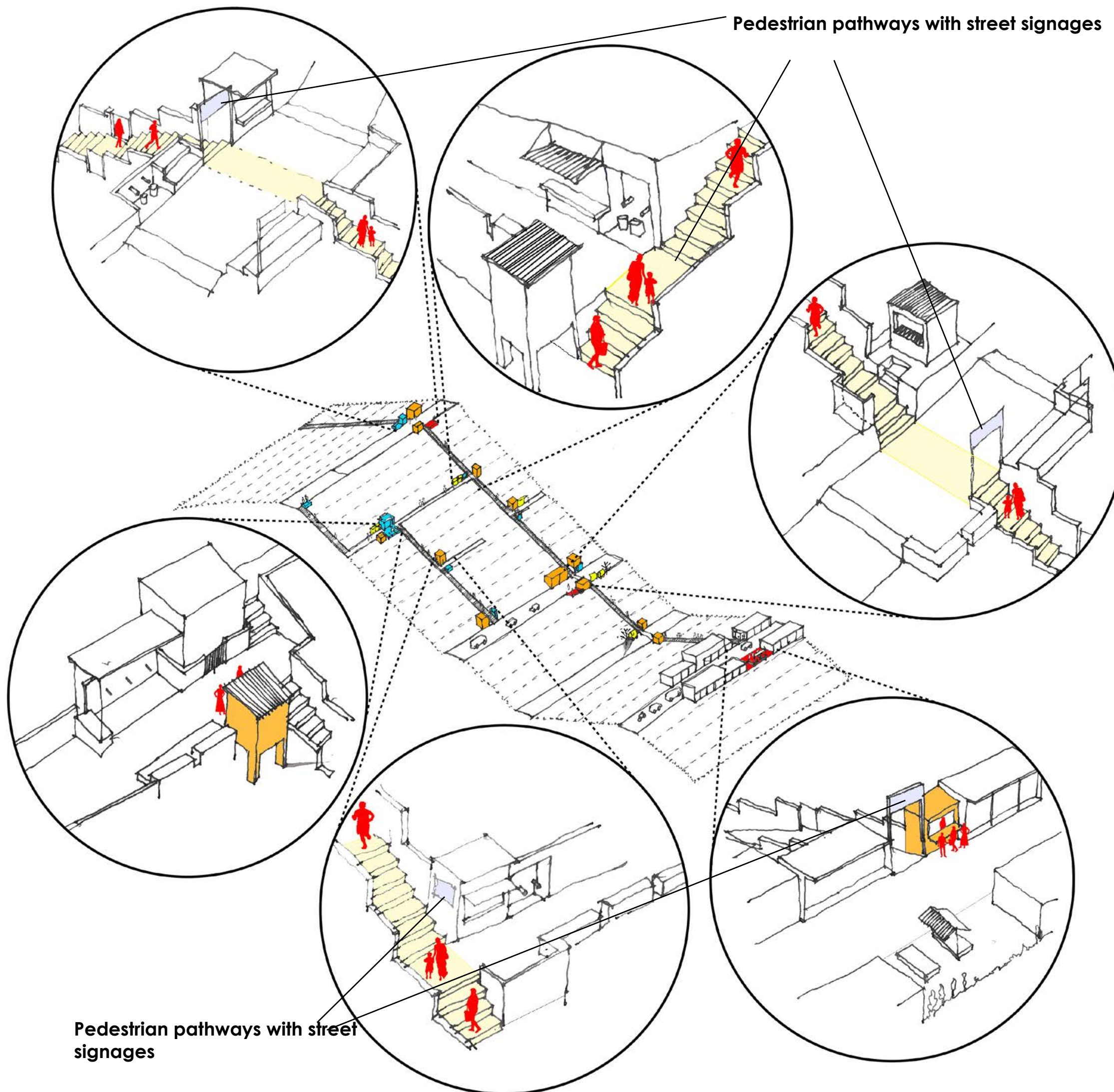
Public ammenities shops



Pedestrian pathways with street signages

reintroduce green to the city

towards a more walkable city



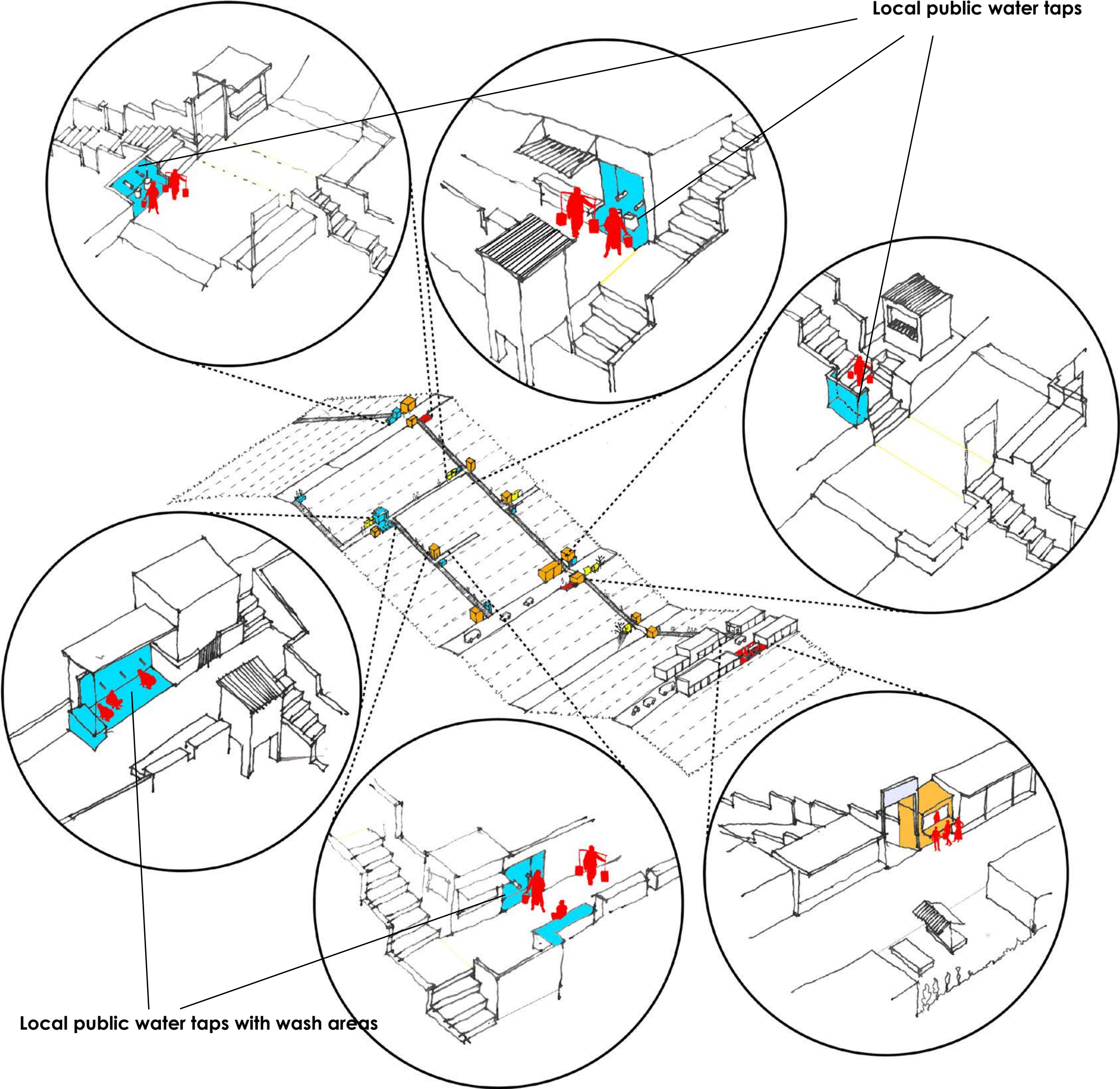
Pedestrian pathways with street signages





Local public water taps

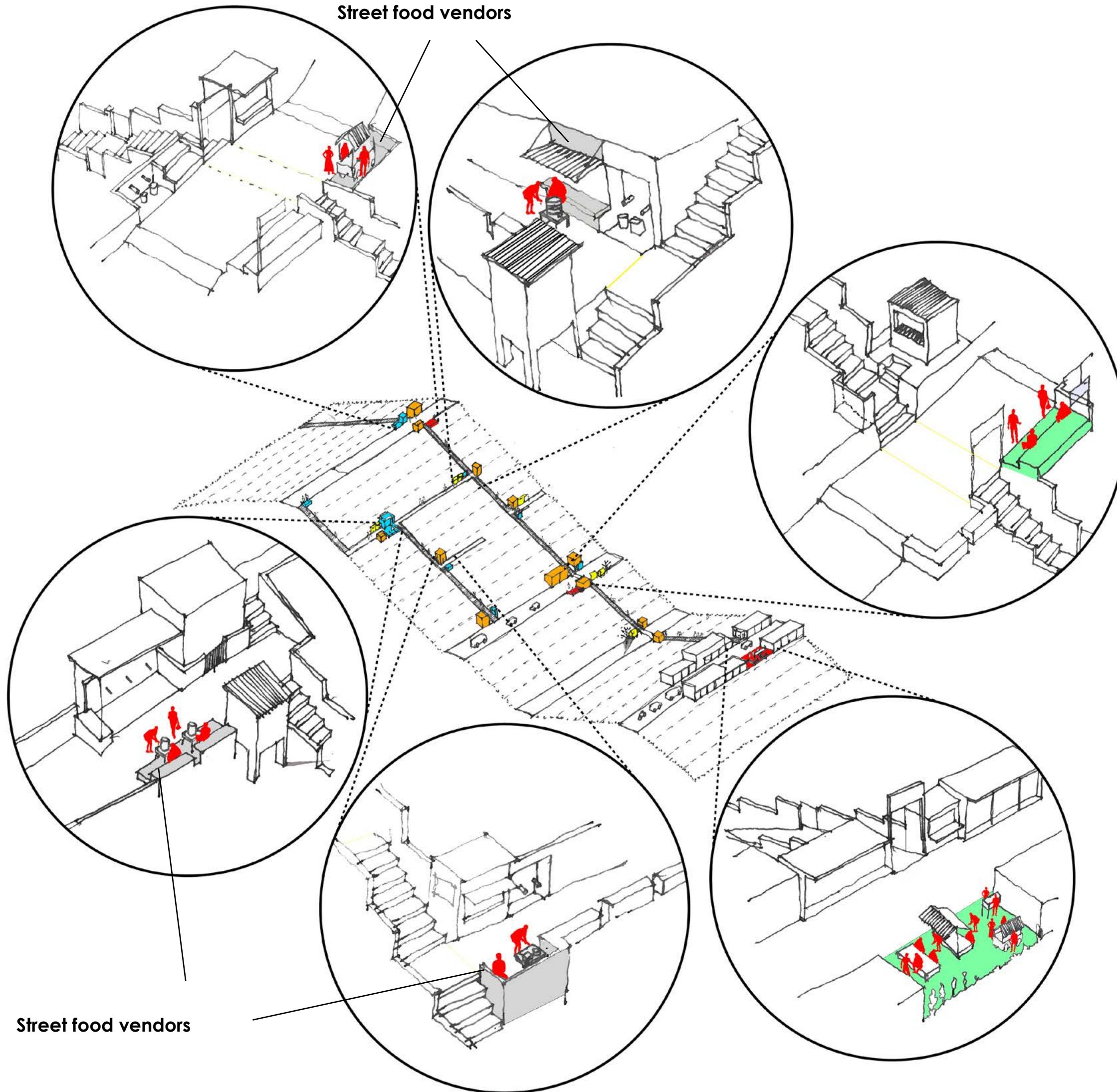
foster community bonds  
used by pedestrians and runners  
alike





Street food vendors

local meeting points for pedestrians on their way home from work

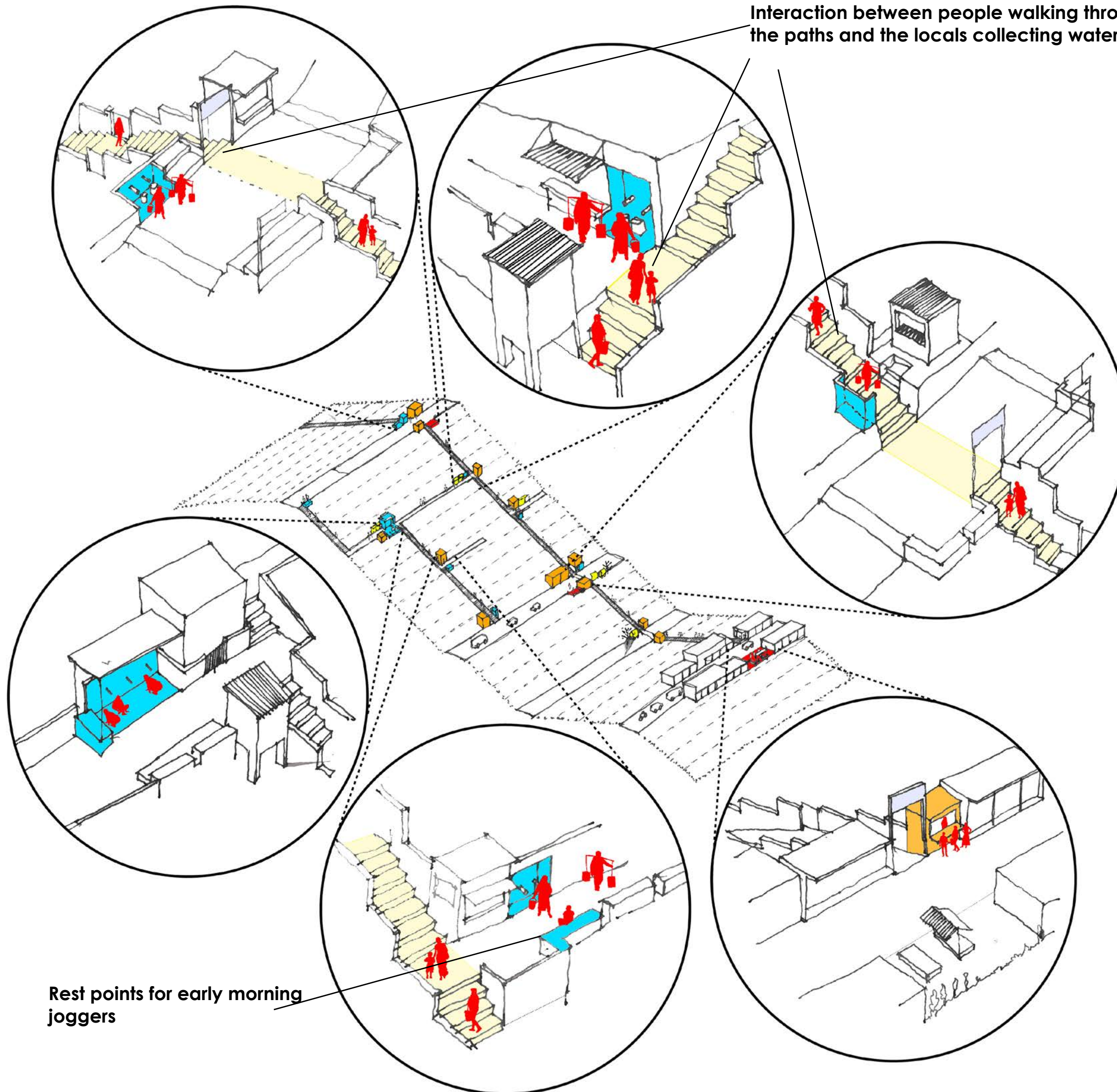


Street food vendors





Interaction between people walking through the paths and the locals collecting water



**MORNING HOURS**

Rest points for early morning joggers



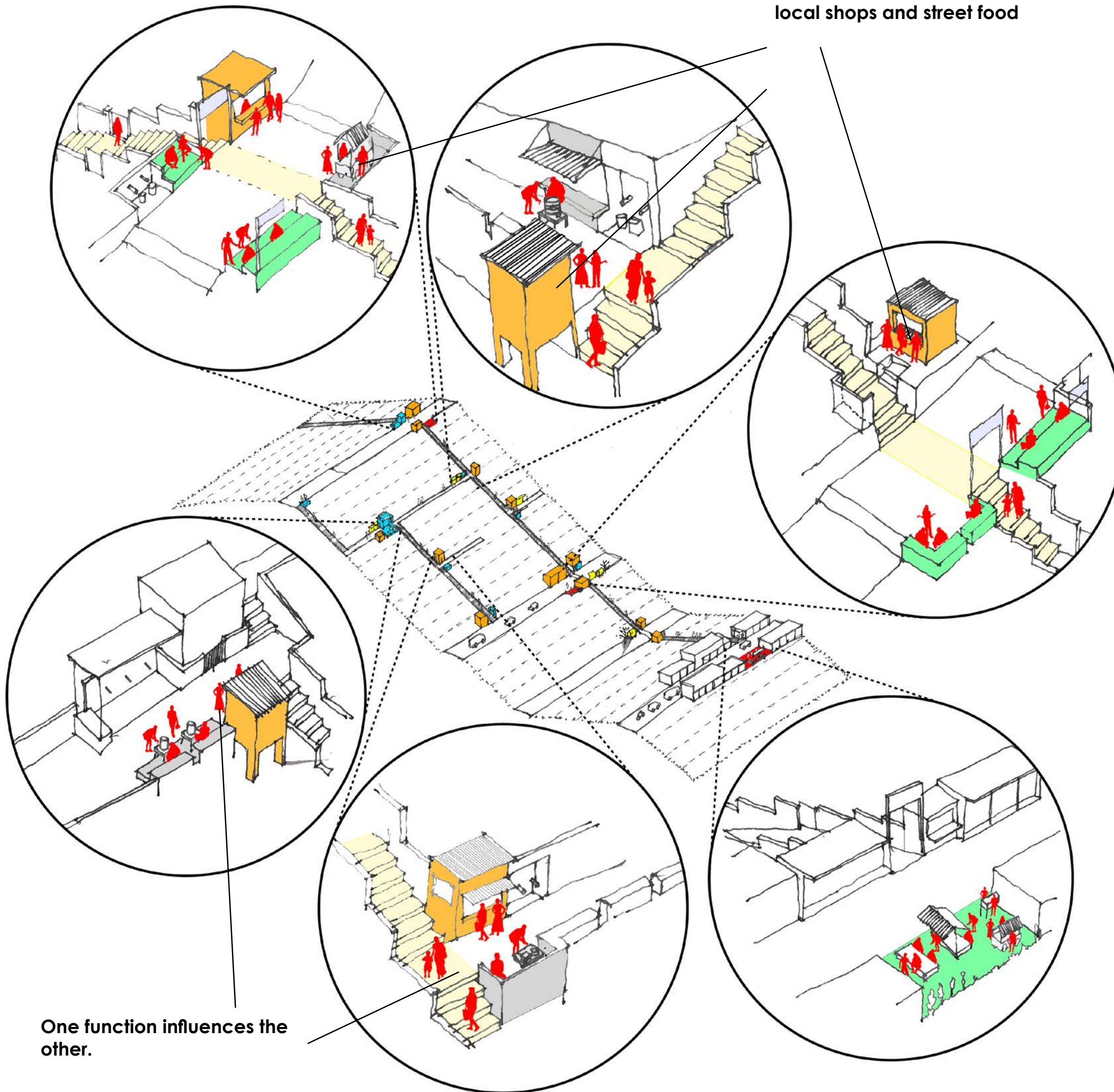
local shops and street food

The local street food encourages people to pause at these locations next to the local shops where people can also be seen engaging in small scale commercial activities acknowledging each other's presence

activities influence each other

**EVENING HOURS**

One function influences the other.





**SPATIAL ASPECTS - THE GREEN**

(What is the experience?)



The green and the trees are planted along alternating sides of the street

Takes away equal space at both the right and left sides of the street



**SPATIAL ASPECTS - PUBLIC PLACES**

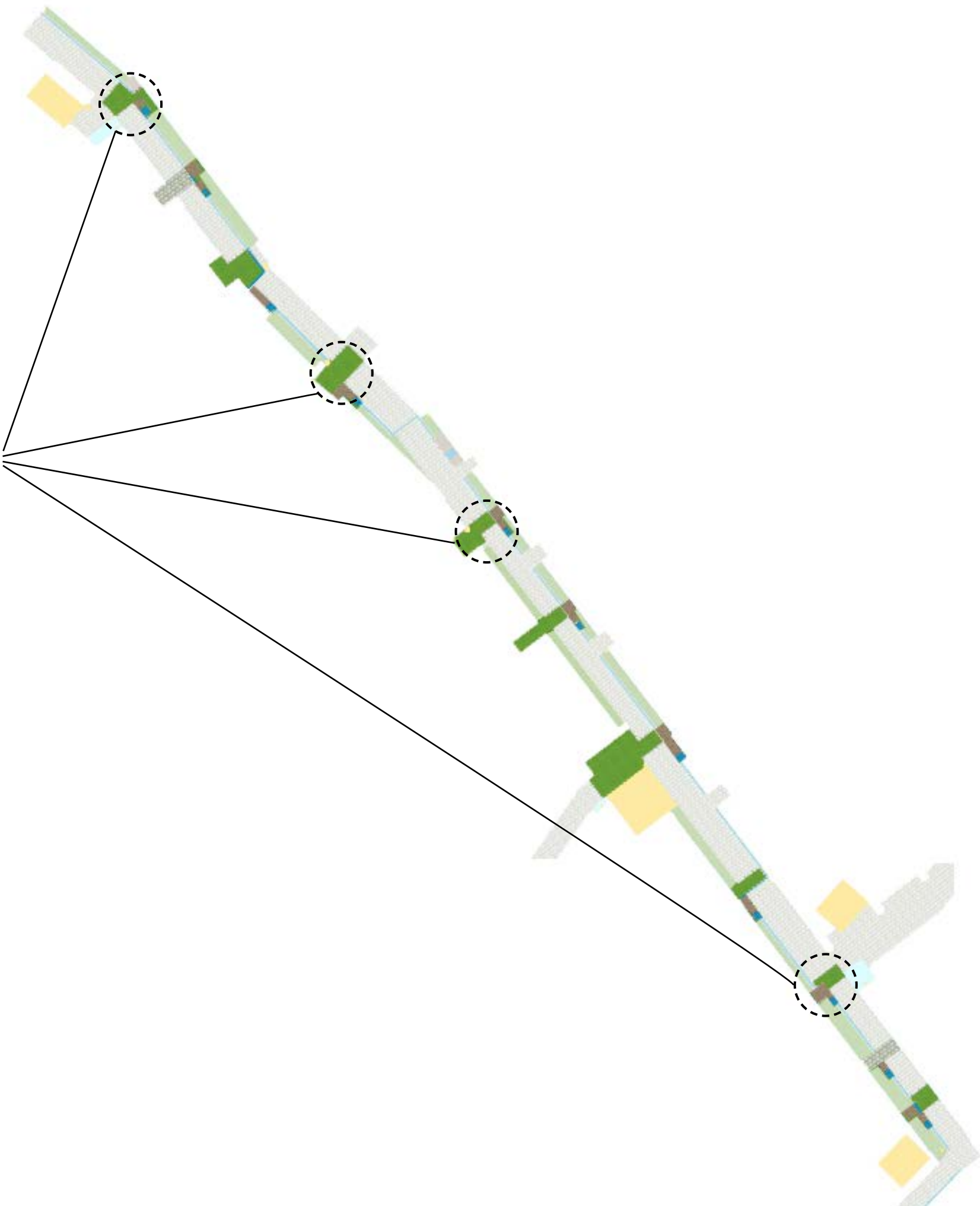
These local ammenities  
shops along with public wa-  
ter points are located at the  
intersections of the pedestri-  
an paths running along the  
contour and perpendicular  
to the contour





**SPATIAL ASPECTS - GREEN LANDINGS**

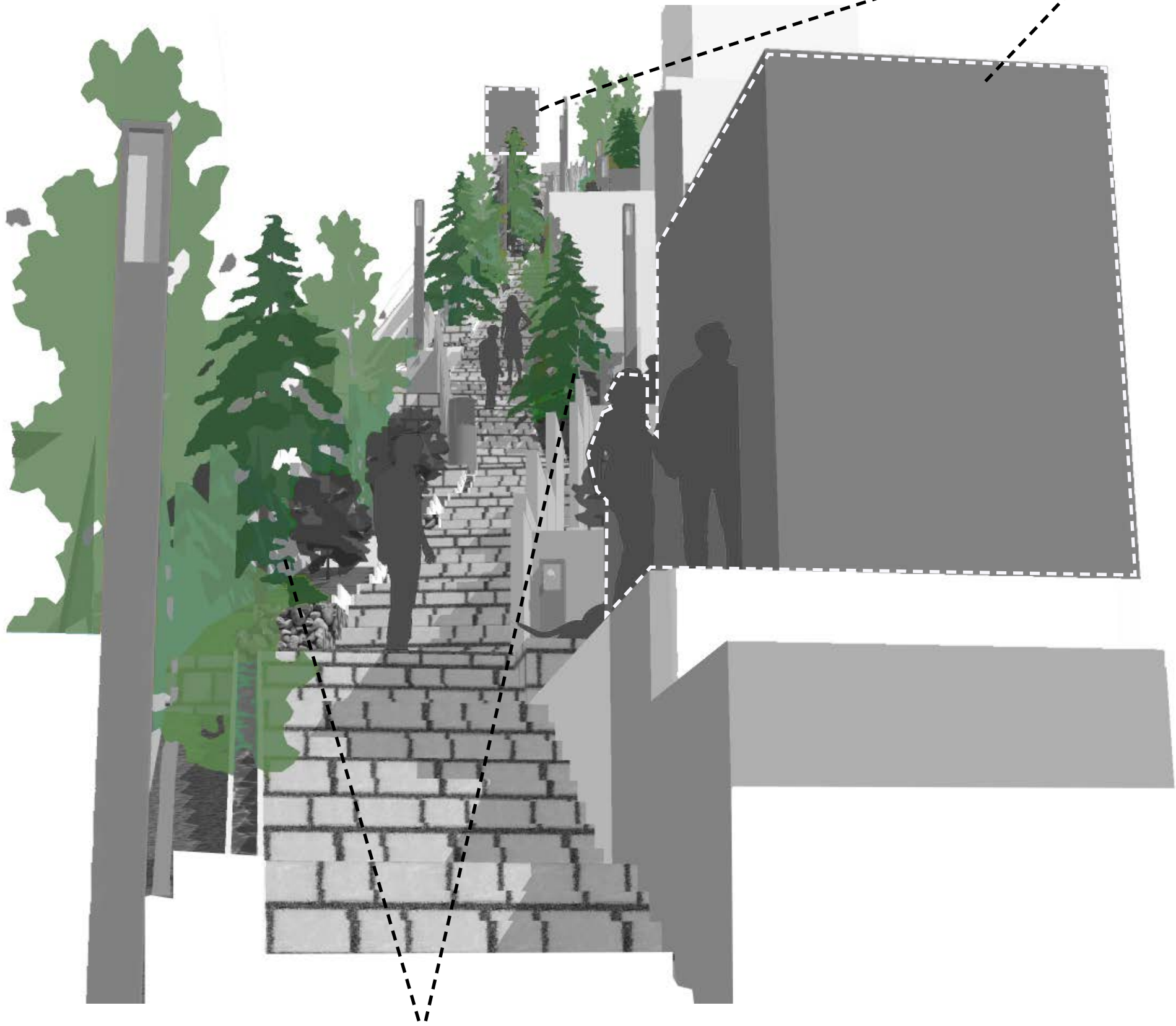
**“The green land-ings” are highlighted as rest areas for the people**





**SPATIAL ASPECTS - VIEW ALONG THE PATHS**

The local ammenities  
shops as the landmarks  
along the paths

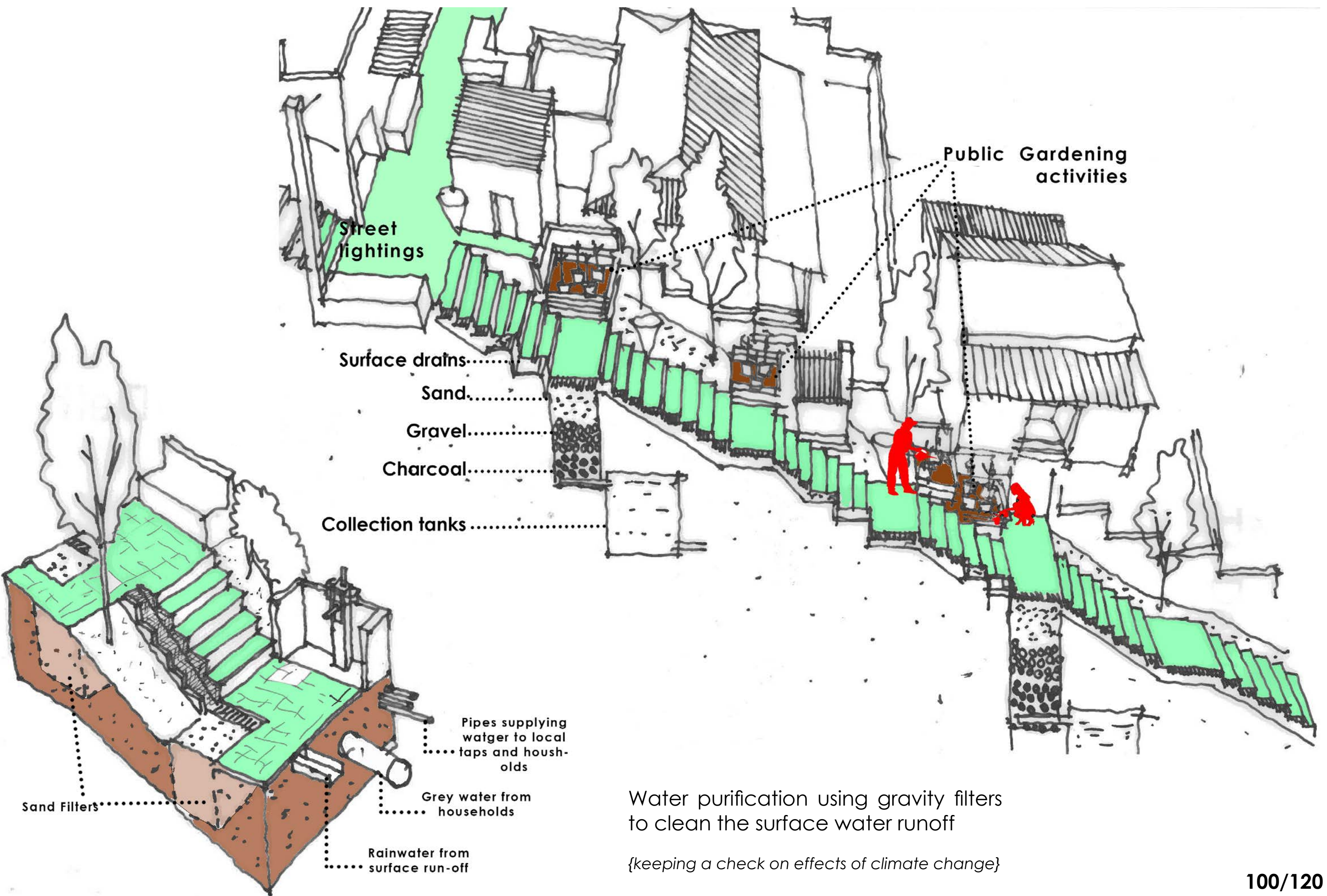


trees alternating between left  
and right hand side









Water purification using gravity filters to clean the surface water runoff

*{keeping a check on effects of climate change}*



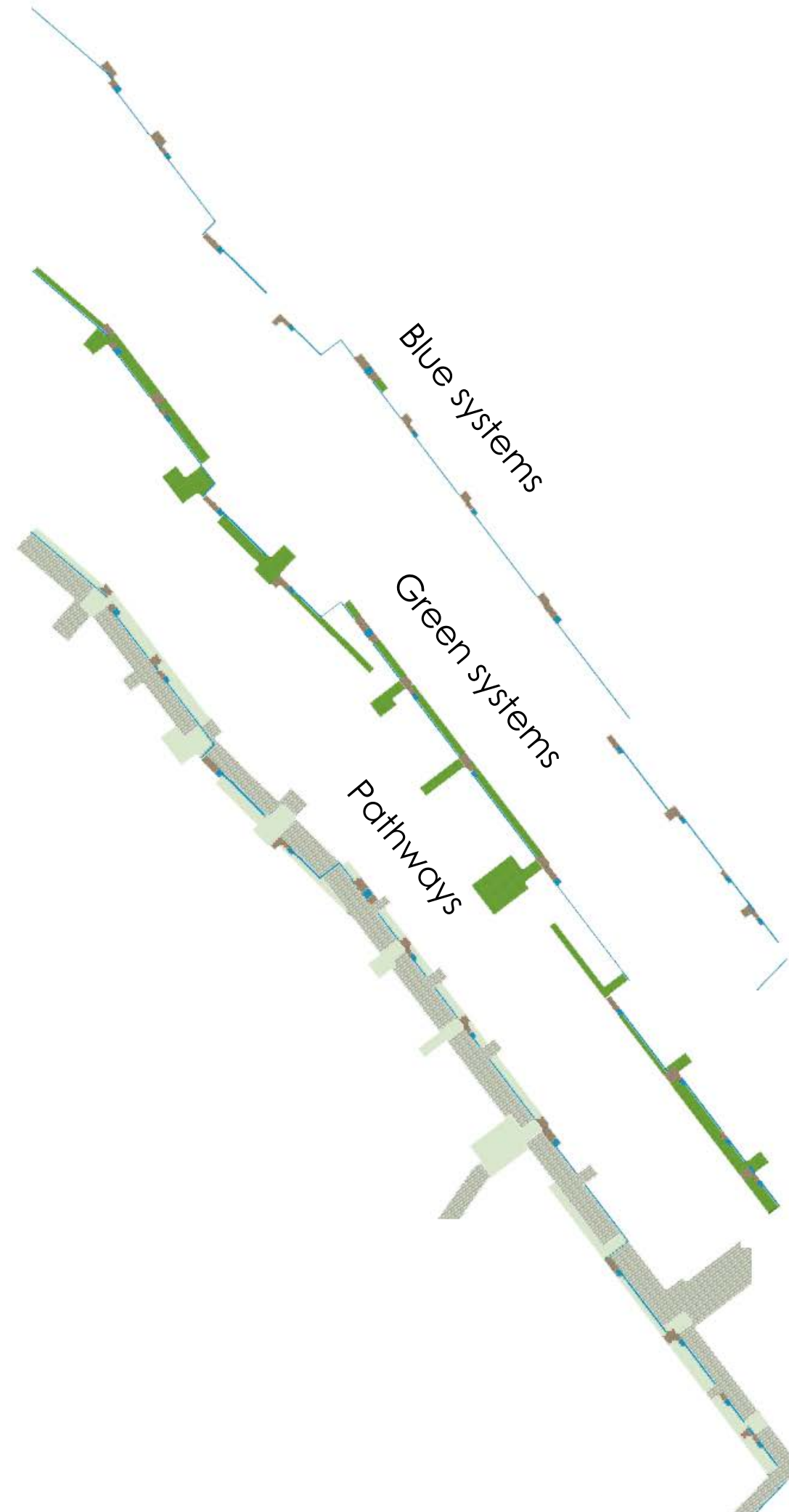
# TECHNICAL ASPECTS - BLUE-GREEN-PATHWAYS

## Meaning

The natural drainage systems are converted to water purification systems

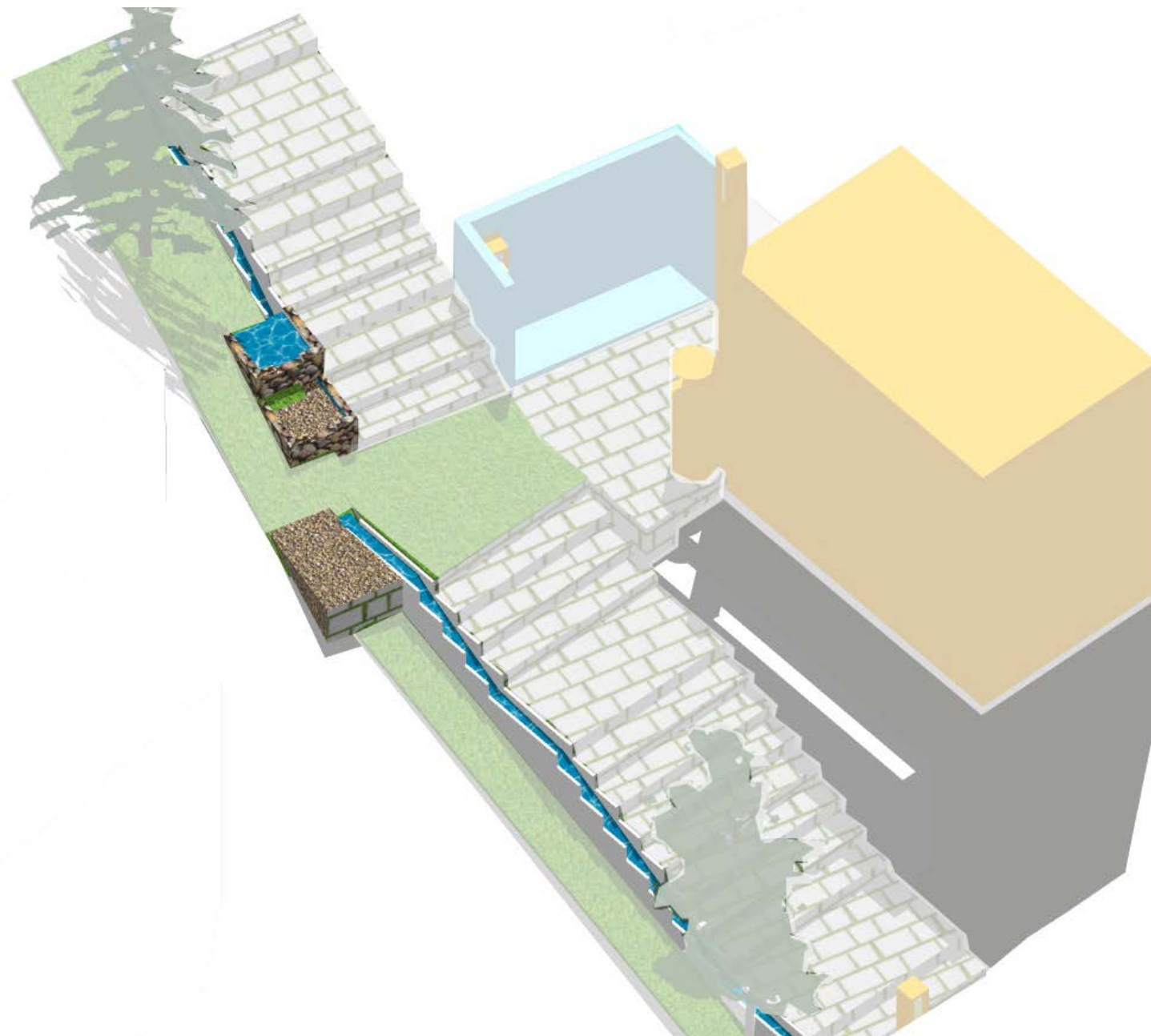
The green systems help in controlling the micro climate

The pathways acts as a porous surface to allow seepage of water into the soil

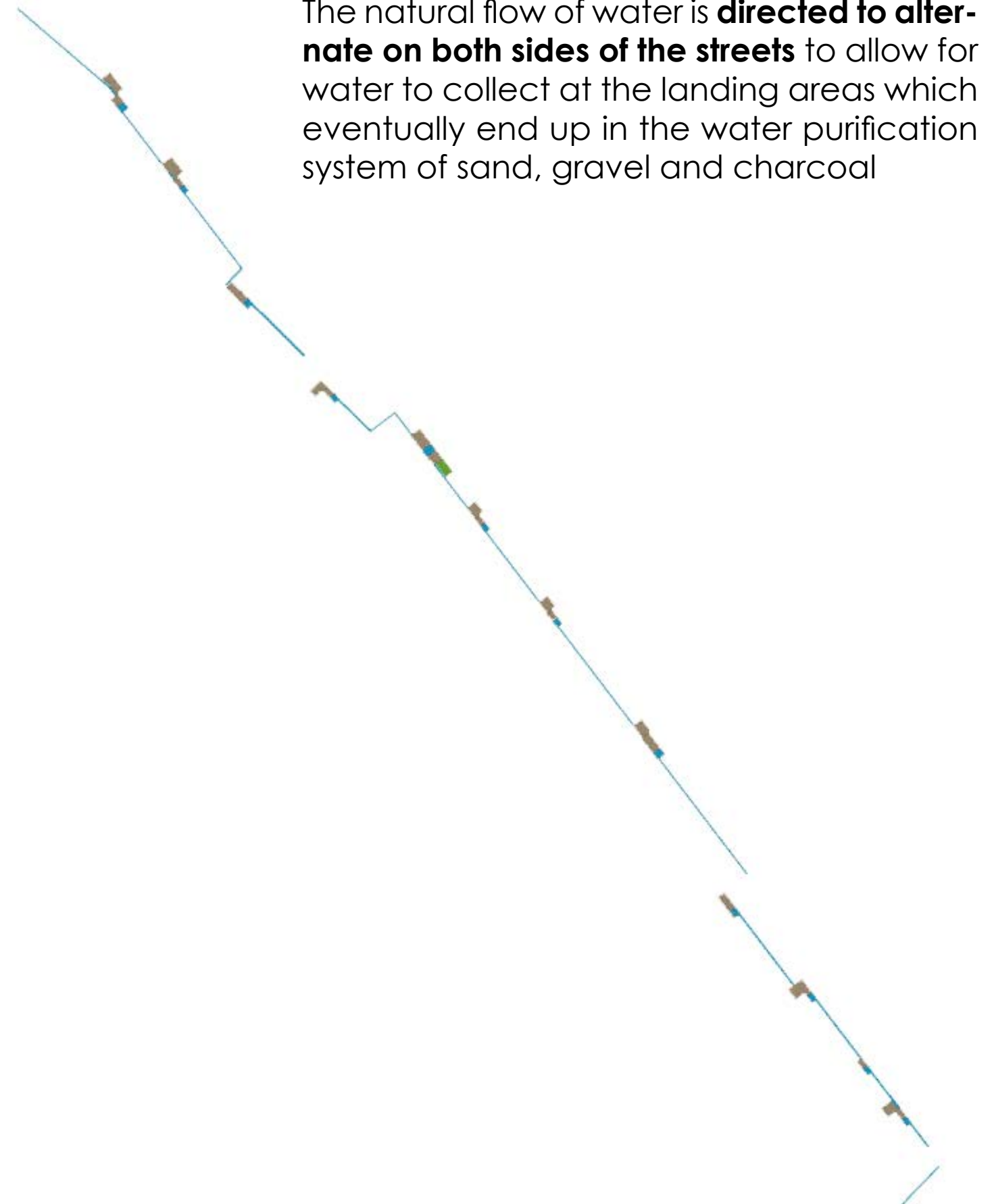




# TECHNICAL ASPECTS - WATER SYSTEMS

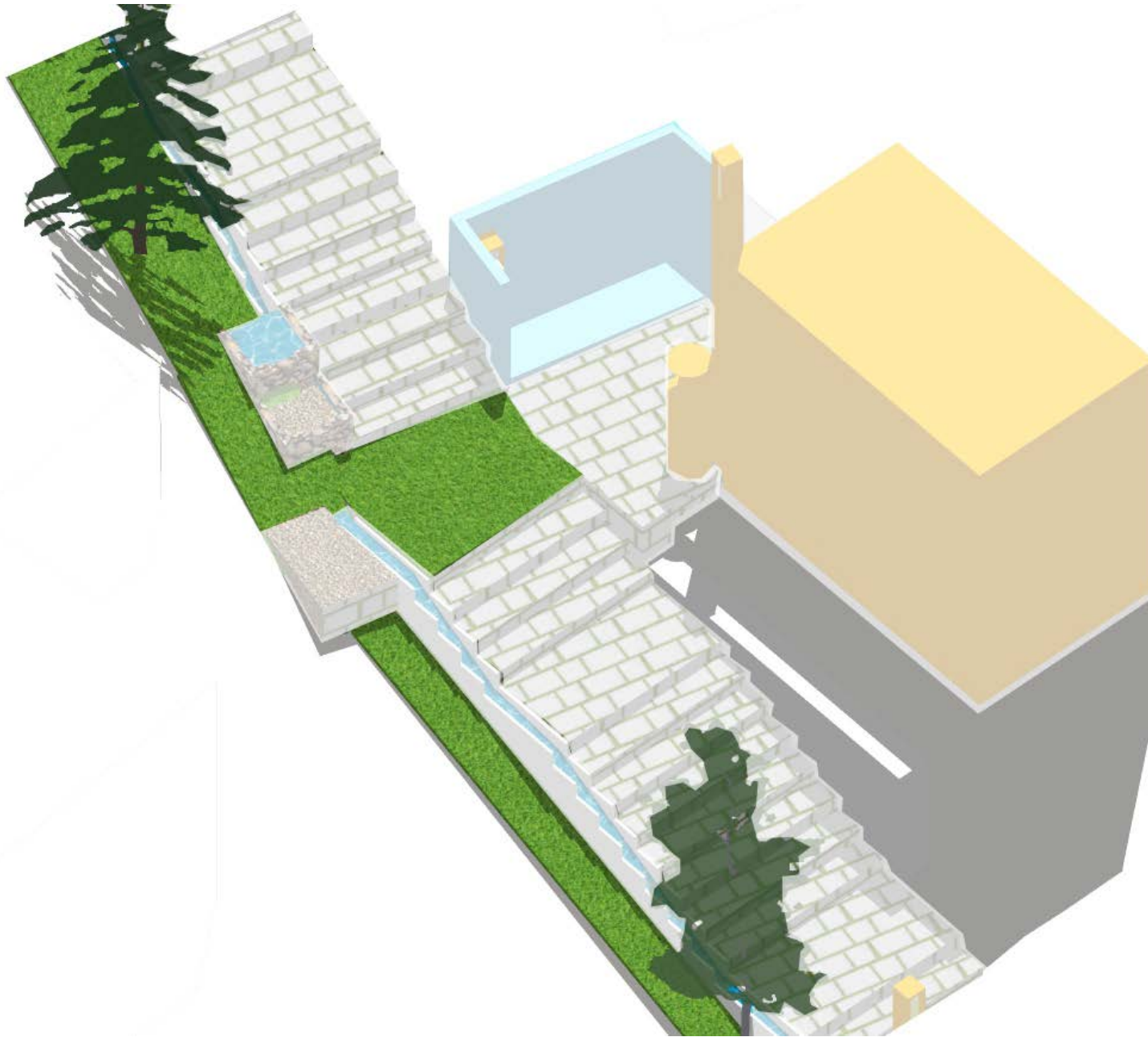


surface drains are used to collect rain water which flows into the ground



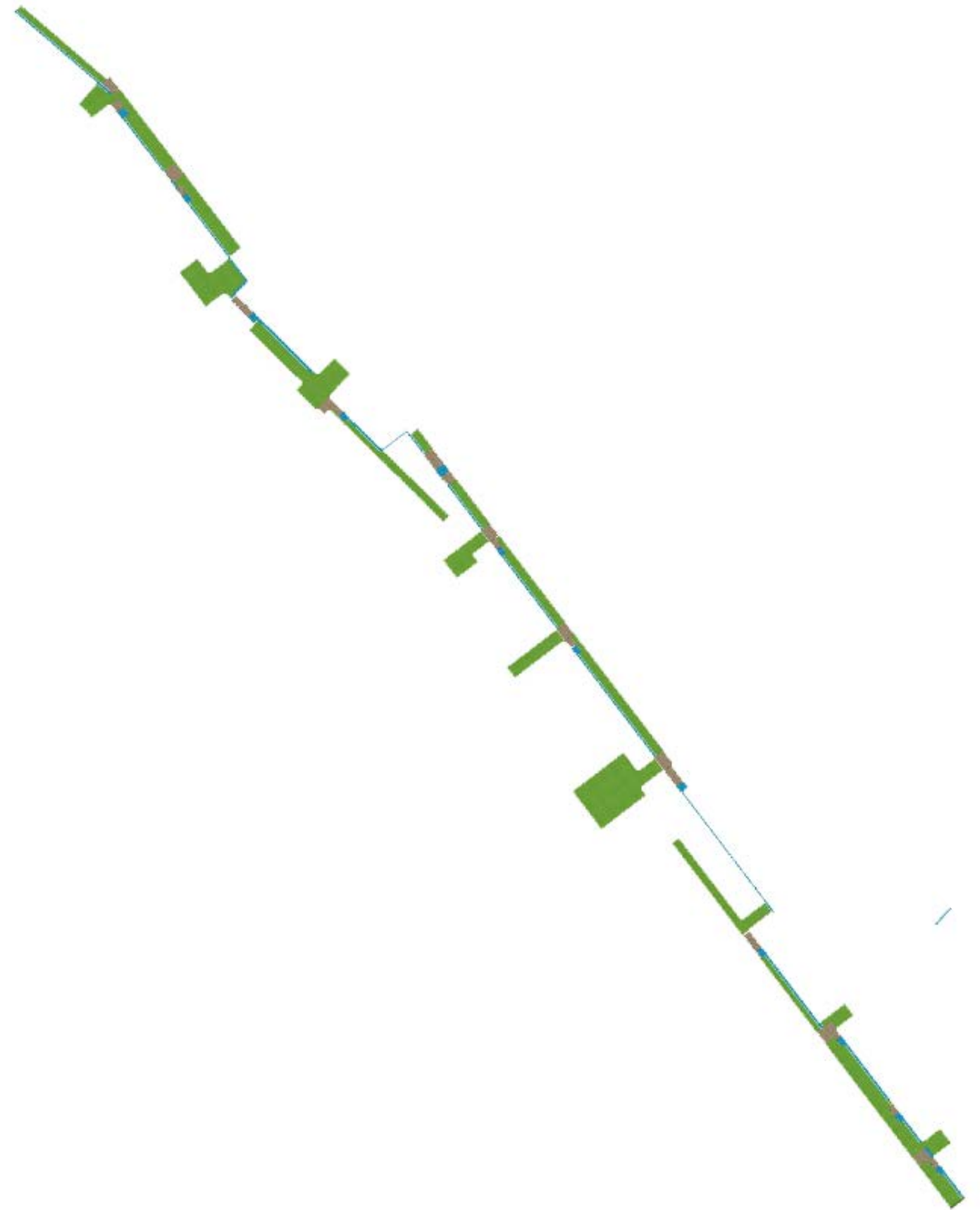
The natural flow of water is **directed to alternate on both sides of the streets** to allow for water to collect at the landing areas which eventually end up in the water purification system of sand, gravel and charcoal





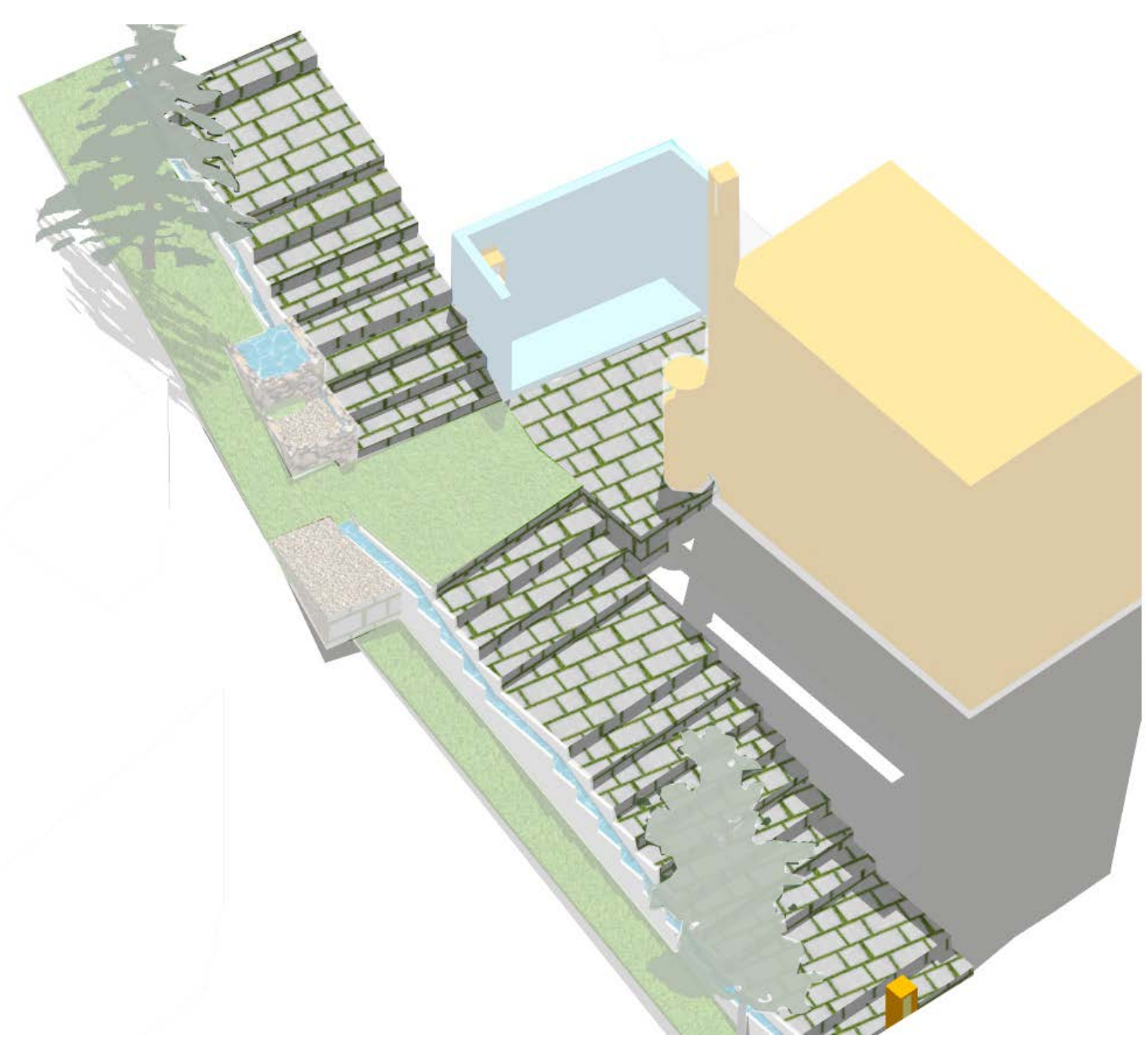
Water saved can be used to maintain the green

The green areas are made up of fruit trees and pine trees

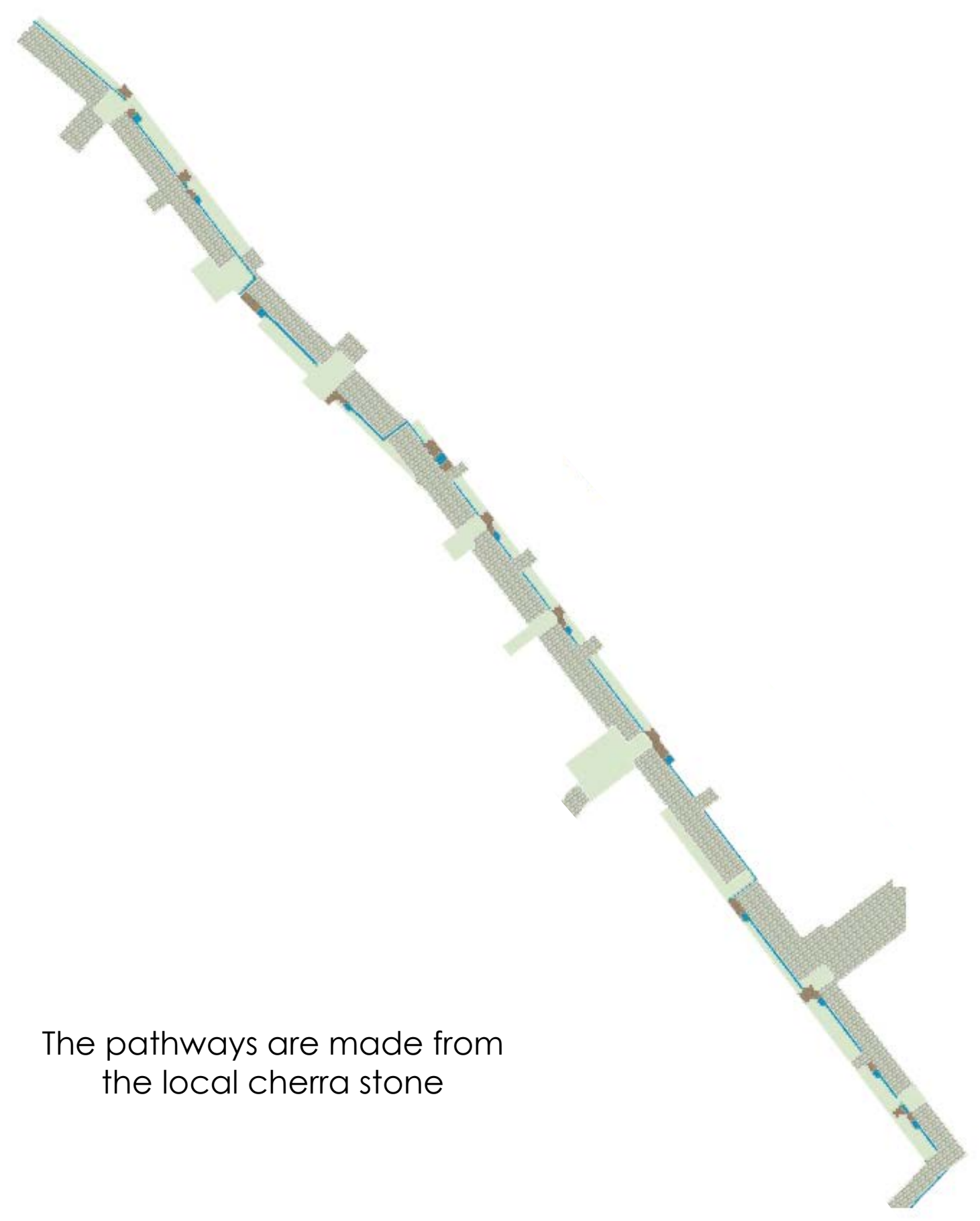




**TECHNICAL ASPECTS - SURFACE WATER PURIFICATION**



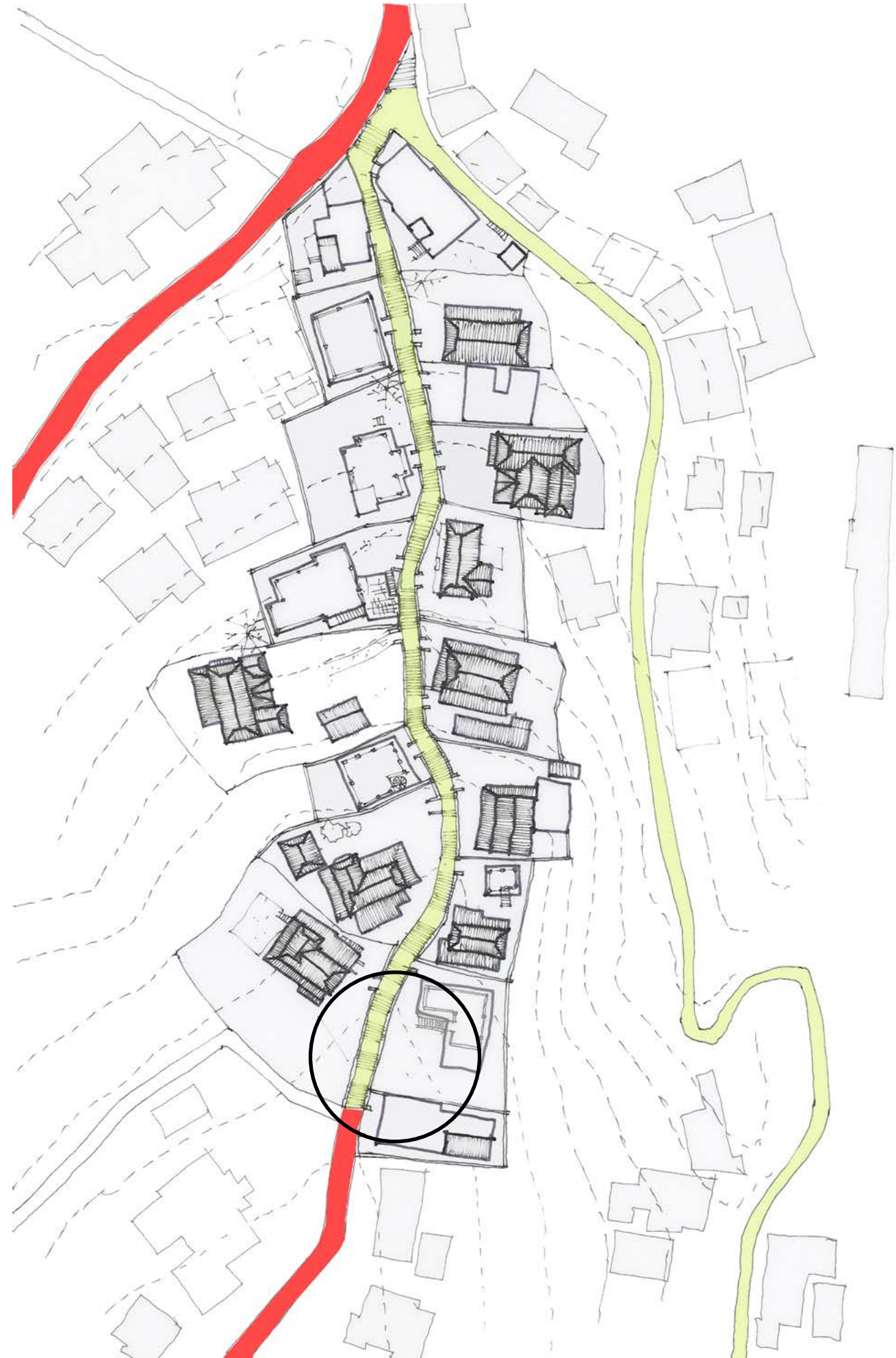
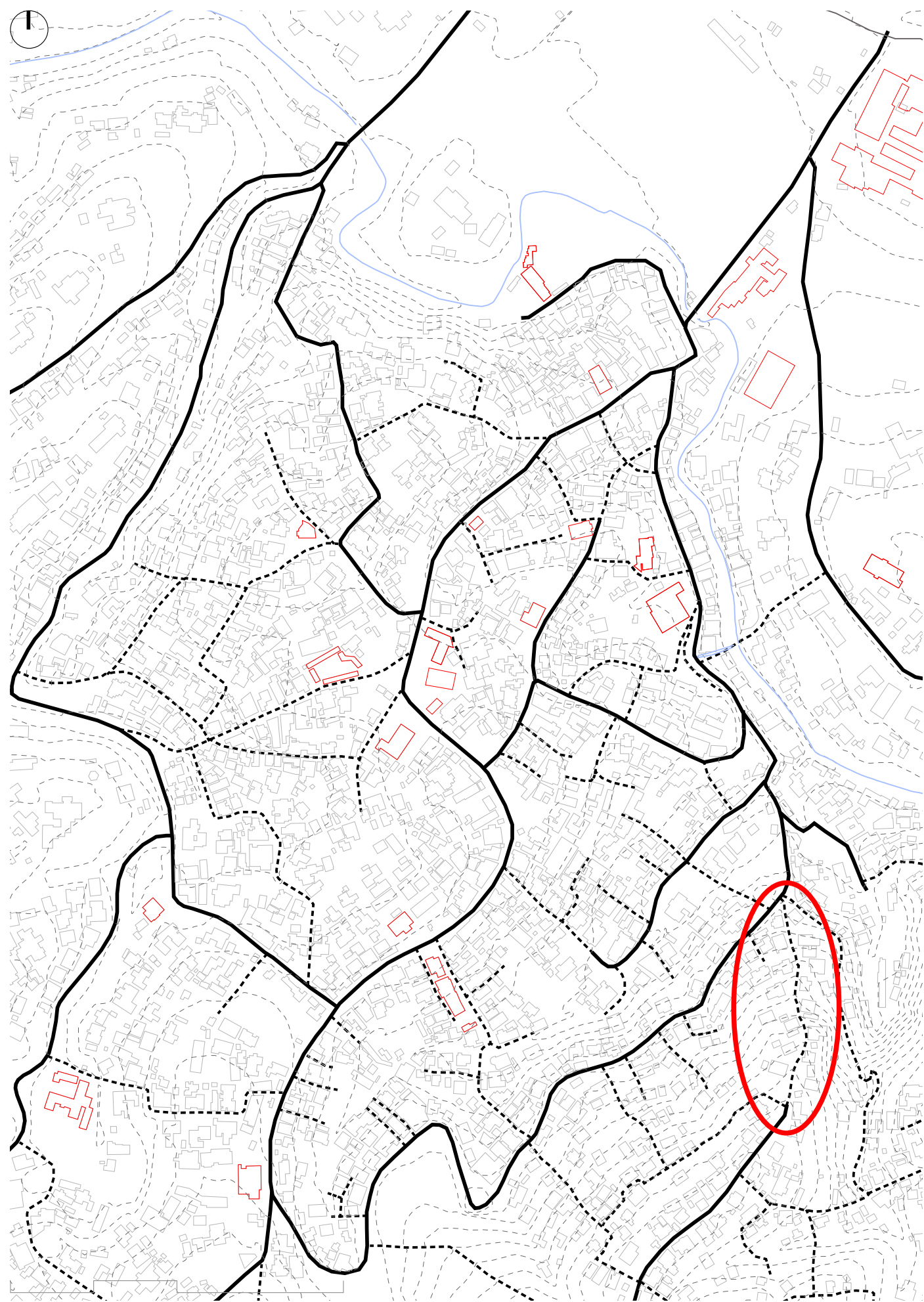
The stone pavers allow for percolation of rainwater into the soil



The pathways are made from the local cherra stone



IMPRESSIONS - CASE 1







BEFORE





AFTER

fruit  
(orange)  
trees

pine  
trees

22.8 steps  
LUMPARKING



# MORNING ACTIVITIES



Local water taps for collecting water for domestic use as well as drinking water for joggers



**REST AREA FOR PEDESTRIANS**



*rest areas*





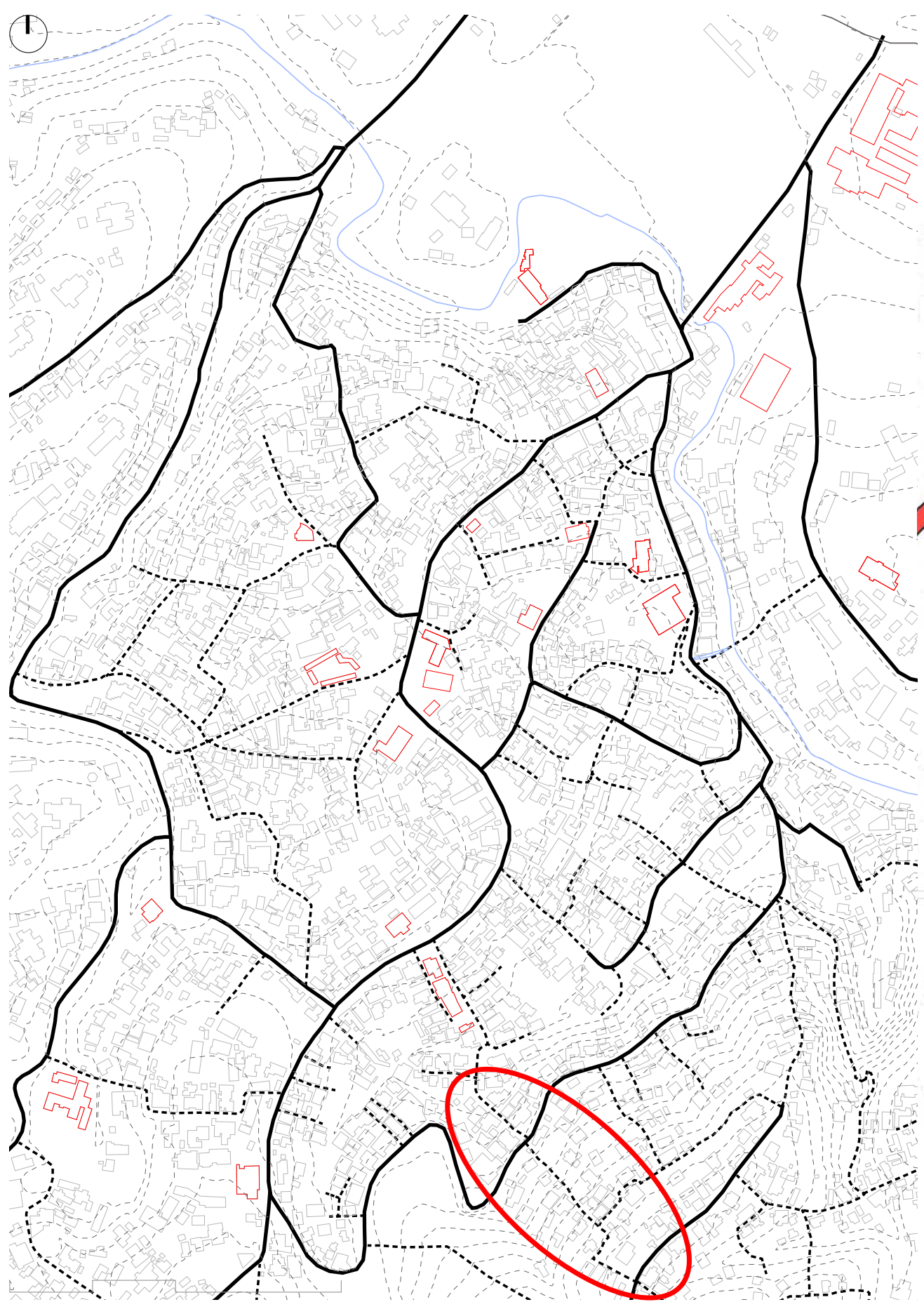
**LOCAL SHOPS**

**Local ammenities  
shops**

22.8 steps  
LUMPARING



IMPRESSIONS - CASE 2







BEFORE



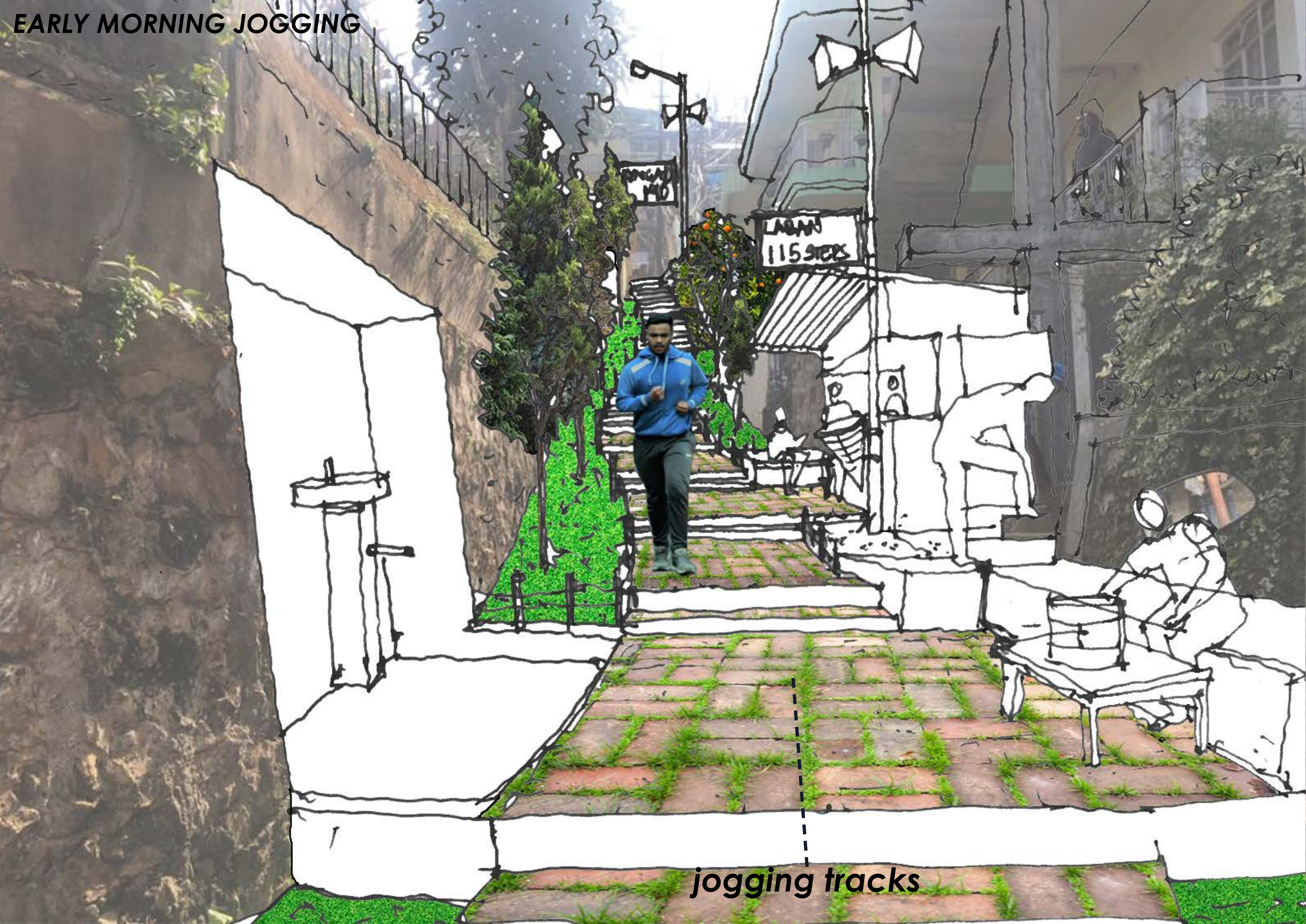


AFTER

street signages  
adds to orien-  
tation and way  
finding in these  
pathways



# EARLY MORNING JOGGING



jogging tracks



# MORNING ACTIVITIES

local water taps and drinking water points





**ACTIVITIES NEXT TO LOCAL SHOPS**

**local ammenities  
shops with  
street activities**





# INFORMAL STREET FOOD

*local street  
food vendors  
adds to the  
street life*





*design intervention*

⋮

How do we propose a **regeneration strategy** for the older city neighbourhood of Shillong, India by strengthening the **characteristics of public space networks** in order to reinforce the **identity of hilltowns**?

⋮

*image improvement*

⋮

*finding value*



***THANK YOU***