

# The Space Between

: Testing care through the buffer zone

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Architectural Association School of Architecture  
Intermediate Programme  
Unit 2

Yuki Tohori



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# Demonstration Neighbourhood

## About Intermediate Programme Unit 2

In Intermediate 2, unit members have conducted research in Waltham Forest, each with their own perspective.

To understand the borough, which has undergone a number of changes in recent years in response to the significant increase in housing demand in London, it is not enough to simply study existing data. This is because even if the data was collected only a few years ago, it would be outdated in the context of the dramatic changes in Waltham Forest.

Therefore, we began our research by actually visiting the borough and observing a variety of urban spaces from a different angle. I documented Waltham Forest using photography as my primary medium. This booklet records my first impressions of Waltham Forest and the spaces I observed.

The spaces are incredibly diverse and made a wide range of impressions on me, as it is hard to believe that they were observed from a single borough. This field observation, which was both a collection of material for further investigation and an opportunity to establish my perspective, was a crucial first step in my research and has had a strong influence on my forthcoming works.

Intermediate 2 ではユニットメンバーがそれぞれの視点をもって、Waltham Forest を舞台にリサーチを行ってきました。

ロンドンにおける著しい住宅需要の増加に呼応する形で近年様々な変化が起きているこの区を理解するためには、既存のデータをリサーチするだけでは不十分です。なぜなら、そのデータがほんの数年前に収集されたものであったとしても、Waltham Forest の著しい変化の前では過去のデータとなってしまうからです。

そこで私達は、実際に区を訪れ、様々な都市空間を横断的に観察することからリサーチをはじめました。私は、写真を主なメディアとして Waltham Forest を記録しました。この冊子では、私の観察した Waltham Forest とその空間に対しての私の第一印象を記録しています。

一つの区から観察されたとは思えないほど多様な空間の数々は、私に様々な印象を与えました。この先に続くリサーチの素材集めでもあり、私の視点を確立するきっかけにもなったこの実地観察は、私のリサーチにとって極めて重要な第一歩であり、今後の研究にも強い影響を与えました。

# Architecture of Care

Definition of "Architecture" and "Care"

The theme of Intermediate 2 is Architecture of Care. To understand this theme, I began by defining the words Architecture and Care for myself.

Architecture generally refers to the roof and the structure that supports it, but in this research, I will use the term 'architecture' to refer to 'objects that are arranged to establish a particular space'. For example, tents in a market or plants on a road are not called Architecture, but here I call them Architecture as objects that form a stall or a separation zone.

And Care for me means 'acting with something other than oneself in mind'. In other words, I define Architecture of Care as 'a place where people are thoughtful of others'.

Intermediate 2 のテーマは Architecture of Care です。このテーマを理解するために、私はまず Architecture と Care という言葉を自分で定義することから始めました。

Architecture とは、一般的には屋根やそれを支える構造物を指しますが、この研究では「特定の空間を成立させるために配置された物」を指して Architecture と呼ぶことにしています。例えば、市場のテントや道路の植え込みなどは Architecture とは言いませんが、ここでは出店や分離帯を形成するモノとして Architecture と呼んでいます。

そして、私にとっての Care とは、「自分以外のものを意識して行動すること」です。つまり、私は Care の Architecture を「人が人を思いやる場所」と定義しています。



# Field Research

The Space Between  
: Testing care through the buffer zone

Architectural Association School of Architecture  
Intermediate Programme  
Unit 2

Yuki Tohori

# Research Method

## About Intermediate Programme Unit 2

In researching the Architecture of Care at Waltham Forest, I used photography as my primary medium. I documented what I saw during my numerous field visits, along with the location, time, date and first impressions, with the aim of gaining a broad understanding of the site.

I insisted on visiting the sites and taking all photographs myself. This approach is in keeping with the extremely fast pace of development that has characterised Waltham Forest in recent years. In the Waltham Forest, where the townscape changes dramatically over the course of a few years in many places, there is often a discrepancy between the information available from third parties and the actual state of the landscape. I have made a point of ensuring that we have the most up-to-date information by actually visiting the site myself.

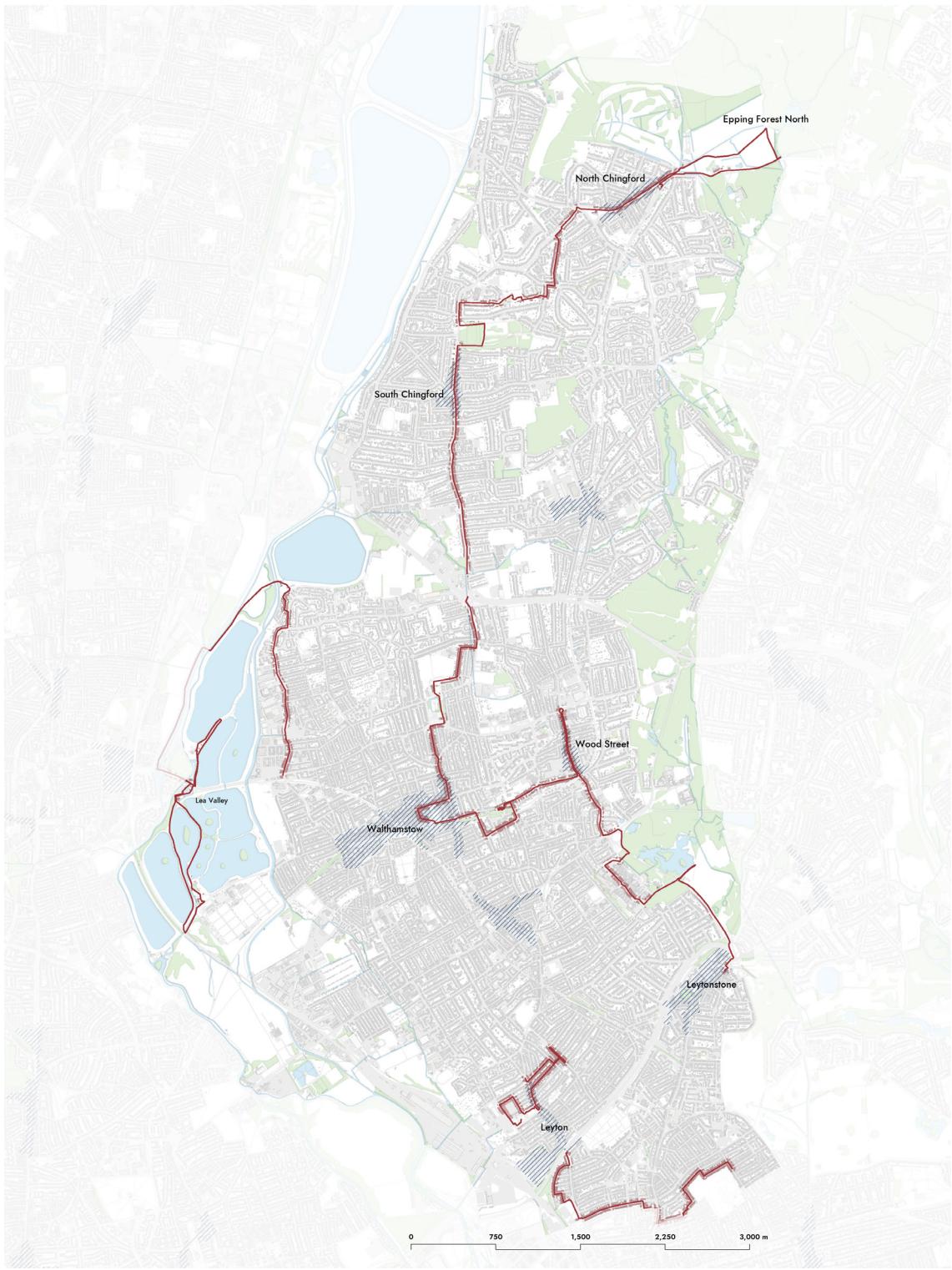
I also believe that by actually visiting the site many times, I have been able to gain a real sense of the area that cannot be felt from information sources such as maps or the internet.

Waltham ForestにおけるArchitecture of Careについて研究をするにあたって、私は写真を主なメディアとして用いました。

数多くの実地調査の際に目についたものをその場所、時間、日付そしてファーストインプレッションと共に記録し、広い範囲での理解を獲得することを目標としました。

写真是全て自ら現地に訪れて撮影することにこだわっています。これは Waltham Forest の近年の特性でもある極めて速い開発スピードに対応するための手法です。数年のうちに街並みが大きく変わる場所があちらこちらに存在する Waltham Forest では、第三者から獲得できる情報と実際の状態が異なる場合が多くあります。実際に自ら訪れる事によって、最新の情報を確実に入手することにこだわりました。

また、実際に現地に何度も訪れる事によって、地図やインターネットなどの情報源からは感じることのできない実感を得ることができたと考えています。



This map shows the extent of the field research. The paths walked are marked with red lines, buildings observed are colored red, forests are shown in green, water surfaces are shown in light blue, and major towns are shown with blue hatching.

現地調査範囲を示す地図。歩いた道を赤線、観察した建物を赤、森林を緑、水面を水色、主要な商業地を青で示している。



Boundaries between produce shop and souvenir shop in the local market.  
マーケットの青果店と土産物店の境界

Location : Walthamstow Market  
Date : 07/10/2022



Space between market stalls  
マーケットの露店の間の空間



Market clearing out.  
マーケット撤収の様子

Location : Walthamstow Market  
Date : 07/10/2022



Repeat set up and take down every day  
毎日設営と撤収を繰り返す



Boundaries between street stalls and shops.  
露店と商店の境界

Location : Walthamstow Market  
Date : 07/10/2022



Back roads created by temporary tents  
仮設のテントが作り出す裏道



How streetlight posts are used as boundaries.  
街灯の柱が境界になっている様子

Location : Walthamstow Market  
Date : 07/10/2022



Pillar taken up by stalls  
露店に取り込まれる柱

**Research Material Library**  
01 Walthamstow Central - Lloyd Park



Street lamp posts being integrated into the stalls.  
街灯の柱が露店に取り込まれている様子

Location : Walthamstow Market  
Date : 07/10/2022



Boundaries between stalls and shops.  
露店と商店の境界

Location : Walthamstow Market  
Date : 07/10/2022



Boundary between malls and markets.  
モールとマーケットの境界

Location : Walthamstow Market  
Date : 07/10/2022



Boundary between footpath and carriageway during market days.  
マーケット開催中の歩道と車道の境界

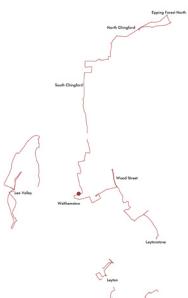
Location : Walthamstow Market  
Date : 07/10/2022



Pillar taken up by stalls 2  
露店によって構成される複数の歩道



Multiple pathways composed by stalls  
露店によって構成される複数の歩道



Is this property a mall or a market?  
この敷地はモールはマーケットか?



Bollards in the pedestrian space  
歩行者専用空間のボラード

**Research Material Library**  
01 Walthamstow Central - Lloyd Park



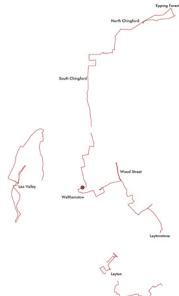
Boundaries of stalls with closed backsides.

Less pedestrian traffic.

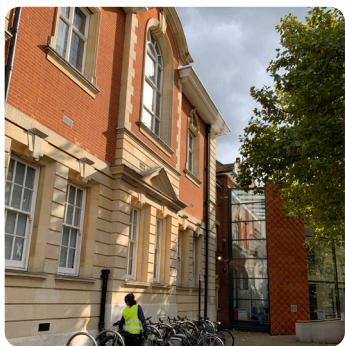
裏側が閉じた露店の境界。人通り少なめ。

Location : Walthamstow Market

Date : 07/10/2022



**Stall with closed backside**  
裏側を閉じている露店

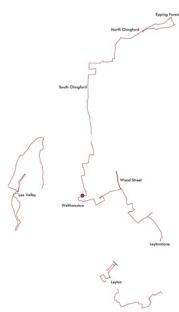


Boundary between old and new library buildings.

図書館の旧館と新館の境界

Location : Walthamstow Library

Date : 07/10/2022



**Old and New Library Wings**  
図書館の旧館と新館



End of the market.

マーケットの終わり

Location : Walthamstow Market

Date : 07/10/2022



**Objects indicating the end of the market**  
マーケットの終わりを示すオブジェクト



Pavement boundaries and seating boundaries.

舗装の境界と座席の境界

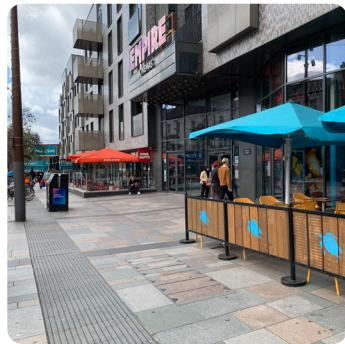
Location : 261-265 High St, London E17 7BP

Date : 07/10/2022



**Open outdoor seating**  
開かれた屋外席

**Research Material Library**  
01 Walthamstow Central - Lloyd Park



Seats closed by fencing.  
フェンスで閉じられた席

Location : 261-265 High St, London E17 7BP  
Date : 07/10/2022



Roof boundaries and shop boundaries.  
屋根の境界と店の境界

Location : 198 Hoe St, London E17 4BF  
Date : 07/10/2022



Boundaries of the construction site.  
工事現場の境界

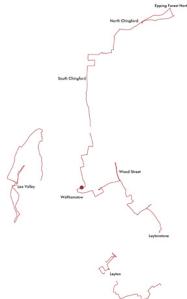
Location : 176A Hoe St, London E17 4QH  
Date : 07/10/2022



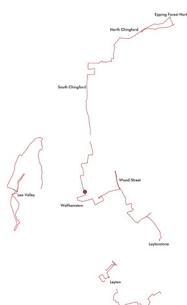
Boundary between shopping and residential areas.  
商店と住宅の境界

Location : Greenleaf Rd, London E17 6QT  
Date : 07/10/2022

Closed outdoor seating  
閉じた屋外座席



Is the space under the eaves a seat  
or a store?  
庇の下の空間は座席か店舗か?



Pedestrian safety and advertising  
歩行者の安全の確保と広告



Urban planning to keep  
residential areas quiet  
住宅地を静かに保つ都市計画





Boundaries of residential areas. Car entry banned. Fences begin to be attached to the front of houses.

住宅地の境界。自動車侵入禁止あり。家の前に柵がつき始める。

Location : 7 Jewel Rd, London E17 4QU

Date : 07/10/2022



Objects that keep residential areas quiet  
住宅地を静かに保つオブジェクト



House boundaries in residential areas.

住宅地の家の境界

Location : 76-4 Jewel Rd, London

Date : 07/10/2022



One architecture. Two owners.  
一つの建築。二人の所有者。



Boundaries with empty houses.

空家との境界

Location : 76-4 Jewel Rd, London

Date : 07/10/2022



Management of vacant houses  
空き家の管理



Boundary between public roads and private land.  
公道と私有地の境界

Location : 76-4 Jewel Rd, London

Date : 07/10/2022



Fence not intended for security  
セキュリティを目的としない柵

**Research Material Library**  
01 Walthamstow Central - Lloyd Park



Boundary between parking and driving spaces.  
駐車スペースと走行スペースの境界

Location : 76-4 Jewel Rd, London  
Date : 07/10/2022



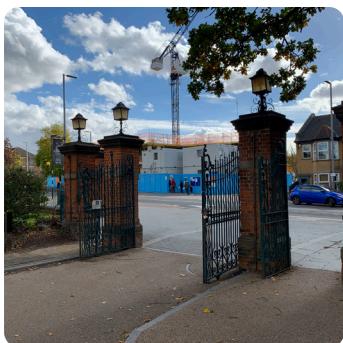
Entrance to private squares.  
私有広場の入り口

Location : 76-4 Jewel Rd, London  
Date : 07/10/2022



Boundary between park and road.  
公園と道路の境界

Location : Forest Rd, London E17 4PP  
Date : 07/10/2022



Park entrance  
公園の入口

Location : Lloyd Park  
Date : 07/10/2022

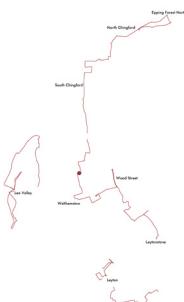
Parking spaces occupying more than half of the road  
道路の半分以上を占める駐車スペース



Tightly control the intrusion of outsiders  
部外者の侵入を厳密にコントロールする



Do we need a fence to prevent people from entering the park?  
公園への侵入を防ぐ柵は必要なのか



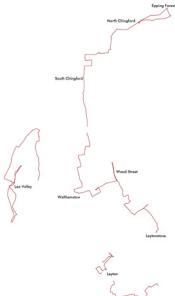
Objects that control the opening of the park  
公園の開放をコントロールするオブジェクト



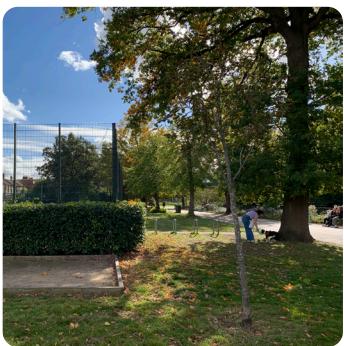


Boundaries of where it is and is not allowed to enter.  
入っていいところといけないところの境界

Location : Lloyd Park  
Date : 07/10/2022



No-entry zones without fences  
柵のない進入禁止区画



Boundary between tennis courts and park.  
テニスコートと公園の境界

Location : Lloyd Park  
Date : 07/10/2022



Tennis court  
テニスコート



Boundaries between places to play and places to rest.  
遊ぶところと休むところの境界

Location : Lloyd Park  
Date : 07/10/2022



Boundary that becomes a bench  
ベンチになる境界



Basketball court boundaries. Unlike tennis courts, no fencing.

バスケットコートの境界。テニスコートと違ってフェンスなし。

Location : Lloyd Park  
Date : 07/10/2022

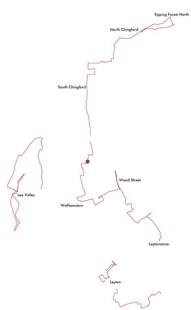


Basketball court  
バスケットボールコート

**Research Material Library**  
01 Walthamstow Central - Lloyd Park



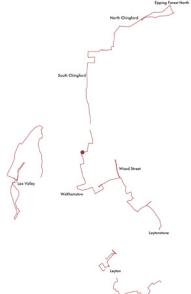
Parks and private gardens  
公園と民家の中庭の境界



Boundaries of where you can skate and where you can't.  
滑っていいところとダメなところの境界

Location : Lloyd Park  
Date : 07/10/2022

Skateboard Park  
スケートパーク



Boundaries of where you can skate and where you can't.  
滑っていいところとダメなところの境界

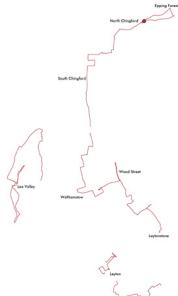
Location : Lloyd Park  
Date : 07/10/2022

**Research Material Library**  
02 North Chingford - Epping Forest - South Chingford



End of the town centre in front of the station.  
駅前商店街の終わり

Location : 174/180 Station Rd, London E4 6AN  
Date : 14/10/2022



Change in building height  
建築高さの変化



Residential areas, footpaths and driveways.  
住宅地、歩道、車道

Location : Ranger's Rd, London E4 7AZ  
Date : 14/10/2022

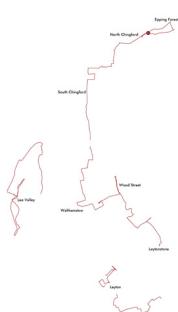


Space partitioned by plants  
植物が仕切る空間



Large houses and expensive cars.  
大きな家と高そうな車

Location : Ranger's Rd, London E4 7AZ  
Date : 14/10/2022

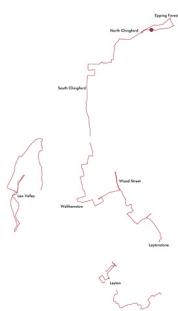


High-end residential area  
高級住宅地



End of townscape.  
街並みの終わり

Location : Ranger's Rd, London E4 7AZ  
Date : 14/10/2022



The end of the cityscape  
街並みの終わり

## Research Material Library

02 North Chingford - Epping Forest - South Chingford



Path in nature.

自然の中の道

Location : Ranger's Rd, London E4 7AZ

Date : 14/10/2022



Something that looks like a hedge.

Soundproofing?

生垣っぽいもの。防音？

Location : Epping Forest

Date : 14/10/2022



The entry to the Epping Forest. Hotel and visitor centre.

エッピングフォレストの入口。宿泊施設とビジターセンター。

Location : Epping Forest

Date : 14/10/2022



End of road surface.

舗装の終わり

Location : Epping Forest

Date : 14/10/2022

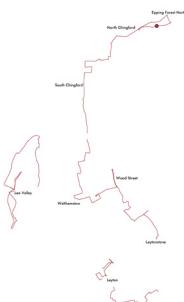
Beginning of Epping Forest  
Epping Forest のはじめ



Bushes around the road  
道路周囲の灌木



Paved road  
舗装路



Entering the natural environment  
自然にへってく



**Research Material Library**  
02 North Chingford - Epping Forest - South Chingford

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Carcass of an animal.  
生物の死骸

Location : Epping Forest  
Date : 14/10/2022



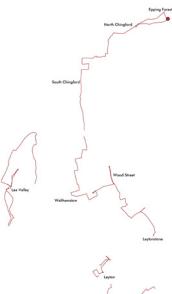
Sign of life  
生き物の気配

□ End of London  
□ エンドンの終わ



Bordered by a small river.  
小さな川が境界になっている

Location : Epping Forest  
Date : 14/10/2022



One shot every 90 seconds 1  
90秒に一枚撮影 1



90 Roses and playgrounds.  
90 パラと遊び場

Location : Ridgeway Park  
Date : 14/10/2022



One shot every 90 seconds 2  
90秒に一枚撮影 2



180 Park entrances and roundabouts.  
180 公園の入り口とラウンドアバウト

Location : Ridgeway Park  
Date : 14/10/2022



## Research Material Library

02 North Chingford - Epping Forest - South Chingford



270 Buses running between organised houses  
270 整理された住宅とその間を走るバス

Location : Wellington Ave.  
Date : 14/10/2022



360 Single-storey houses in residential areas.  
360 住宅街の平屋の様子

Location : Wellington Ave  
Date : 14/10/2022



450 Sequence of houses of the same shape.  
450 同じ形の家の連続

Location : Wellington Ave, London E4 6RE  
Date : 14/10/2022

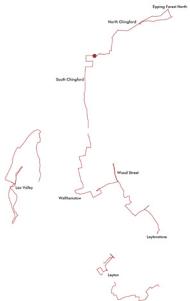


540 A church and cemetery at the top of the hill.

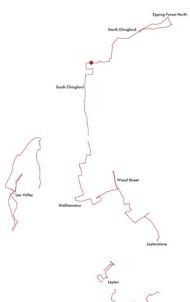
540 岡の上の教会と墓地

Location : Chingford Mount Cemetery  
Date : 14/10/2022

One shot every 90 seconds 3  
90秒ごとに撮影 3  
spreads 3



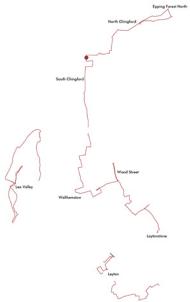
One shot every 90 seconds 4  
90秒ごとに撮影 4  
spreads 4



One shot every 90 seconds 5  
90秒ごとに撮影 5  
spreads 5



One shot every 90 seconds 6  
90秒ごとに撮影 6  
spreads 6



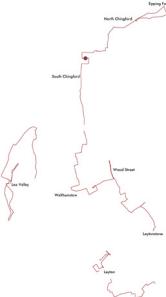
**Research Material Library**  
02 North Chingford - Epping Forest - South Chingford

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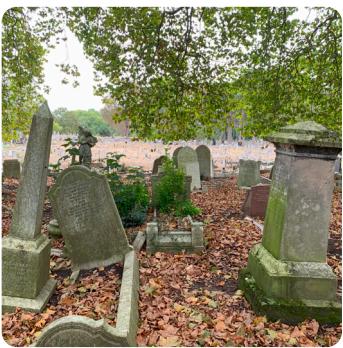


630 Cemetery on every side.  
630 一面の墓地

Location : Chingford Mount Cemetery  
Date : 14/10/2022



One shot every 90 seconds 7  
90 秒ごとに一枚撮影 7



720 More abandoned graves as you go further in.  
720 奥に行くにつれて放棄された墓が増えてくる

Location : Chingford Mount Cemetery  
Date : 14/10/2022



One shot every 90 seconds 8  
90 秒ごとに一枚撮影 8

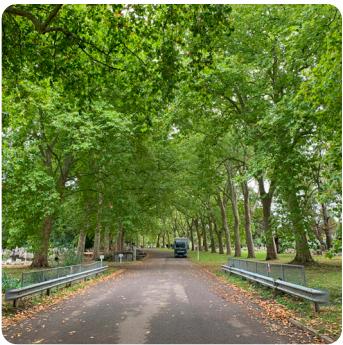


810 Where the site has not yet been turned into a cemetery.  
810 まだ墓地になってないところ

Location : Chingford Mount Cemetery  
Date : 14/10/2022



One shot every 90 seconds 9  
90 秒ごとに一枚撮影 9



900 Path between tall trees.  
900 背の高い木に挟まれた道

Location : Chingford Mount Cemetery  
Date : 14/10/2022



One shot every 90 seconds 10  
90 秒ごとに一枚撮影 10

## Research Material Library

### 02 North Chingford - Epping Forest - South Chingford



990 Tombstones in a neat row.  
990 整然と並ぶ墓石

Location : Chingford Mount Cemetery  
Date : 14/10/2022



1080 Apartment blocks with the same shape.  
1080 同じ形の集合住宅が並ぶ

Location : Old Church Rd  
Date : 14/10/2022



1170 Residential areas end and commercial areas begin.  
1170 住宅地が終わって商業地が始まる

Location : Old Church Rd  
Date : 14/10/2022

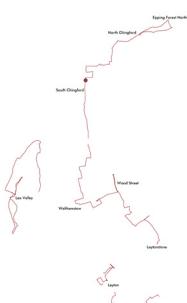


1260 Temporary fencing of sites under development.  
1260 開発途中の敷地の仮囲い

Location : Old Church Rd  
Date : 14/10/2022



One shot every 90 seconds 11  
90秒毎撮影 11



One shot every 90 seconds 12  
90秒毎撮影 12



One shot every 90 seconds 13  
90秒毎撮影 13



One shot every 90 seconds 14  
90秒毎撮影 14

**Research Material Library**  
02 North Chingford - Epping Forest - South Chingford



1350 More chain shops as you get closer to the town centre.

1350 街の中心に近づくにつれてチェーン店もでてくる

Location : Old Church Rd

Date : 14/10/2022



One shot every 90 seconds 15  
90 秒に一枚撮影 15

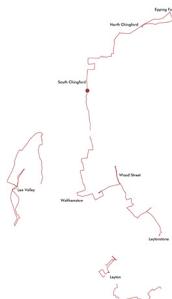


1440 Near the intersection in the town centre where the bus stop is located.

1440 バス停のある街の中心の交差点付近

Location : Old Church Rd

Date : 14/10/2022



One shot every 90 seconds 16  
90 秒に一枚撮影 16



1620 Buses heading in various directions.

1620 色んな方面に向かうバス

Location : Chingford Mount Rd

Date : 14/10/2022



One shot every 90 seconds 17  
90 秒に一枚撮影 17



1710 End of the commercial area. Beginning of residential areas.

1710 商店街の終わり。住宅地の始まり。

Location : Chingford Mount Rd

Date : 14/10/2022



One shot every 90 seconds 18  
90 秒に一枚撮影 18

## Research Material Library 02 North Chingford - Epping Forest - South Chingford



1800 Park in the middle of a residential area.  
1800 住宅地の真ん中にある公園

Location : Chingford Mount Rd  
Date : 14/10/2022



1080 Apartment blocks with the same shape.  
1080 同じ形の集合住宅が並ぶ

Location : Old Church Rd  
Date : 14/10/2022



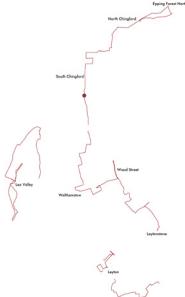
1980 Private houses face a busy bus route.  
1980 交通量の多いバス通りに面して個人住宅が建っている

Location : Chingford Mount Rd  
Date : 14/10/2022



2070 Wide footpath. Queue to Islamic Cultural Centre.  
2070 幅の広い歩道。イスラミックカルチャーセンターに列。

Location : Chingford Mount Rd  
Date : 14/10/2022



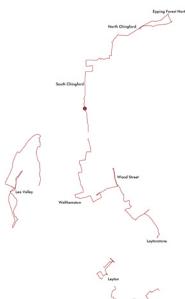
02 例1-一般地図表示  
One shot every 90 seconds 19



02 例2-一般地図表示  
One shot every 90 seconds 12



02 例3-一般地図表示  
One shot every 90 seconds 21



02 例4-一般地図表示  
One shot every 90 seconds 22

**Research Material Library**  
02 North Chingford - Epping Forest - South Chingford



2160 Housing on top of shops.  
2160 店舗の上に住宅がある様子

Location : Chingford Mount Rd  
Date : 14/10/2022



One shot every 90 seconds 23  
90 秒に一枚撮影 23



2250 Closed used car dealerships.  
2250 閉業した中古車販売店

Location : Chingford Mount Rd  
Date : 14/10/2022



One shot every 90 seconds 24  
90 秒に一枚撮影 24



2340 Traffic increases as we approach the ring road.  
2340 環状線に近づくにつれて交通量が増えてきた

Location : Chingford Mount Rd  
Date : 14/10/2022



One shot every 90 seconds 25  
90 秒に一枚撮影 25



2430 Abandoned during construction? Housing complex?  
2430 建設途中で放棄された？集合住宅？

Location : Chingford Mount Rd  
Date : 14/10/2022



One shot every 90 seconds 26  
90 秒に一枚撮影 26

## Research Material Library 02 North Chingford - Epping Forest - South Chingford



2520 Lots of houses along the road, but the back of the road looks vacant.  
2520 道路沿いは住宅が立ち並ぶが、奥は空き地っぽい

Location : Chingford Mount Rd

Date : 14/10/2022



2610 Parked vehicles occupying more than half the road.  
2610 道路の半分以上を占める駐車車両

Location : Chingford Mount Rd

Date : 14/10/2022



2700 Lots of greenery along roads.  
2700 道路沿いに緑が多い

Location : Chingford Mount Rd

Date : 14/10/2022



2790 Walthamstow Stadium  
2790 ウォルサムストー スタジアム

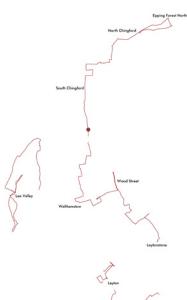
Location : Chingford Mount Rd

Date : 14/10/2022

One shot every 90 seconds 27  
90秒毎撮影 27



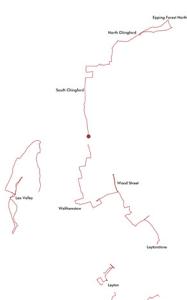
One shot every 90 seconds 28  
90秒毎撮影 28



One shot every 90 seconds 29  
90秒毎撮影 29



One shot every 90 seconds 30  
90秒毎撮影 30



Research Material Library  
03 Leyton



Location : High Rd Leyton  
Date : 28/10/2022

なんか派手な建物  
Some fancy building.



Is this art necessary?  
このアートは必要なのか



Location : Sedgwick Rd  
Date : 28/10/2022

住宅地の上を飛ぶ飛行機  
Aircraft flying over residential areas.



Artificial lines drawn in the sky  
空に引かれる人工的な線



Location : Sedgwick Rd  
Date : 28/10/2022

最後まで地中化されていない電線  
Electric lines not undergrounded.



Power lines connecting houses  
家をつなぐ送電線



Location : Francis Rd  
Date : 28/10/2022

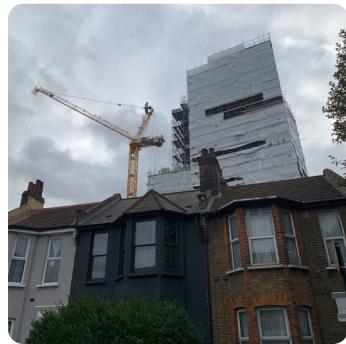
住宅地に突然現れる商店街  
Shopping streets suddenly appear in residential areas.



Local commercial space  
ローカルな商業空間

## Research Material Library

03 Walthamstow Central - Wood Street - Leytonstone



Location : St Mary Rd  
Date : 11/11/2022

駅からすぐの住宅地の横に建てられる高層建築物  
High-rise buildings built next to residential areas just a few steps from the station.



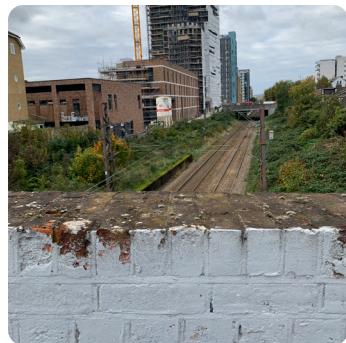
Location : St Mary Rd  
Date : 11/11/2022

住宅地にぽつぽつ商店がある  
A few shops in a residential area.



Location : West Ave  
Date : 11/11/2022

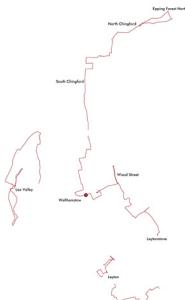
より静かな住宅地の入り口  
Entrance to quieter residential areas.



Location : West Ave  
Date : 11/11/2022

柵で隠される線路  
Rail tracks concealed by fences.

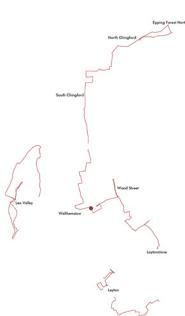
Contrast in architectural scale  
建築の階層感の対比



Commercial that blends in with the  
residential area  
住宅地に溶け込む商業施設



Controlled intrusion into residential areas  
住宅地への侵入を制御していく  
住宅地への侵入を制御していく



Railroad safety fence  
鉄道の安全確保のための柵



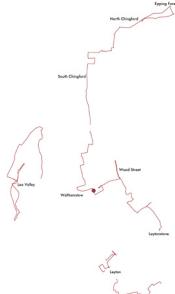
## Research Material Library

03 Walthamstow Central - Wood Street - Laytonstone



Location : West Ave  
Date : 11/11/2022

線路を隠す塀  
Fences concealing railway tracks.

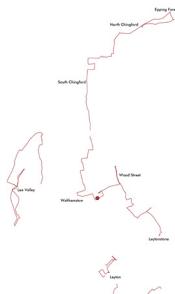


View blocked by fence  
塀で遮られる視界



Location : Orford Rd  
Date : 11/11/2022

空き地のおかげで広く見える  
The open space makes it look spacious.



Plazas and fences  
広場を仕切る柵



Location : Orford Rd  
Date : 11/11/2022

住宅地に現れる小さな商店街  
Small shopping streets appear in residential areas.



Local commercial space 2  
ローカルな商業空間2



Location : Orford Rd  
Date : 11/11/2022

地元の人々  
Locals.



Outdoor seating overhanging the pavement  
歩道にはみ出る屋外席

## Research Material Library

03 Walthamstow Central - Wood Street - Leytonstone



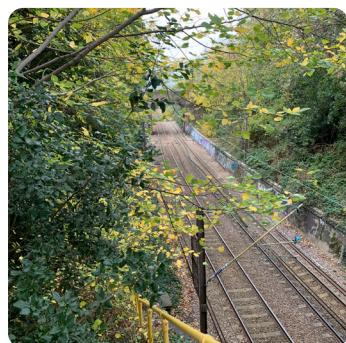
Location : Orford Rd  
Date : 11/11/2022

車道に置かれる椅子  
Chairs placed in the driveway.



Location : Orford Rd  
Date : 11/11/2022

自然が多い街並み  
Townscape with a lot of nature.



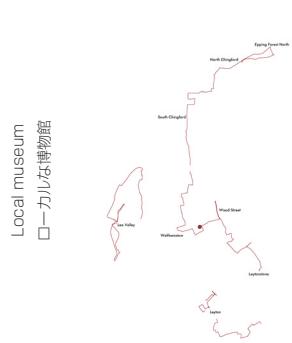
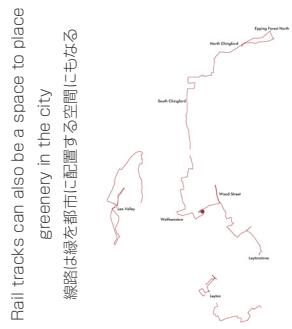
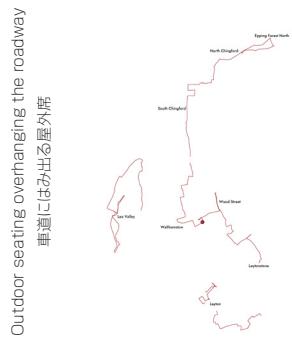
Location : Orford Rd  
Date : 11/11/2022

線路沿いの植物が見えて緑が多く感じた  
Planting along the railway line was visible and felt very green.



Location : Vestry House Museum  
Date : 11/11/2022

地域の記録を残している博物館  
Museums documenting the local area.



Outdoor seating overlooking the roadway  
車道に面する屋外座席

Greenery-rich urban landscape protection  
緑豊かな都市景観保護

Rail tracks can also be a space to place  
線路は線を都市に配置することも可能

Local museum  
ローカル博物館

## Research Material Library

03 Walthamstow Central - Wood Street - Laytonstone

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Location : Vestry House Museum  
Date : 11/11/2022

博物館の庭。赤ちゃんを連れた人が多数訪れている  
Museum garden. Many visitors with babies.



It functions not as a museum but as  
a place for relaxation  
博物館としてではなく、  
憩いの場として機能している



Location : Vestry House Museum  
Date : 11/11/2022

展示のパネルもある  
There are panels from the exhibition.



The museum garden 1  
博物館の庭の様子 1



Location : Vestry House Museum  
Date : 11/11/2022

植物にはキャプションがついてる  
The plants are captioned.



The museum garden 2  
博物館の庭の様子 2



Location : Vestry House Museum  
Date : 11/11/2022

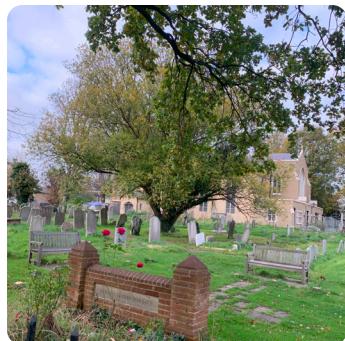
街中に立ってた標識も保存されている  
The signs that used to stand on the street have been preserved.



The museum garden 3  
博物館の庭の様子 3

## Research Material Library

03 Walthamstow Central - Wood Street - Leytonstone



Location : Vestry House Museum  
Date : 11/11/2022



The museum building 4  
博物館の場所 4

Location : Saint Mary's Church  
Date : 11/11/2022

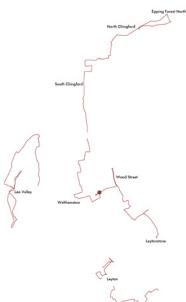
博物館からすぐのところにある教会  
Church just a short walk from the museum.



Saint Mary's Church  
教会の位置を示す地図  
教会の位置を示す地図

Location : Saint Mary's Church  
Date : 11/11/2022

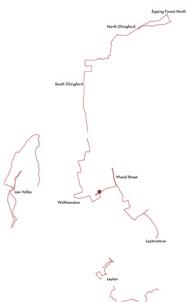
とても歴史的で古そうな建物  
Buildings that look very historic.



Uniquely old architecture  
一際古い建築

Location : 2 Church Ln, London E17 9RW  
Date : 11/11/2022

教会の墓地  
Church cemetery.



Cemetery around the church  
教会の周りの墓地

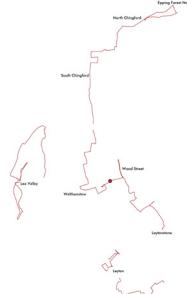
**Research Material Library**  
03 Walthamstow Central - Wood Street - Laytonstone

34 / 144



Location : Vallentin Rd  
Date : 11/11/2022

高層建築が見え、発展を感じる  
Skyscrapers are visible and feel developed.



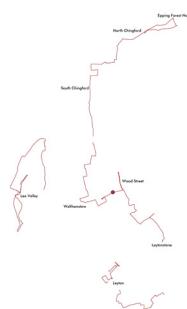
Finding the town centre with high-rise housing

高層住宅で街の中心部を見つける



Location : Vallentin Rd  
Date : 11/11/2022

集合住宅前の芝生  
Lawns in front of an apartment.



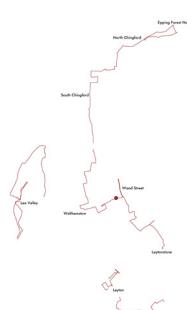
Signage to ensure residents' comfort  
住民の快適性確保のための看板

街の中心部に向かって徐々に高くなる建築の高さ  
Architectural heights that gradually increase towards the town centre



Location : Vallentin Rd  
Date : 11/11/2022

昔ながらの住宅地を抜けると集合住宅が増える  
More apartments after the traditional residential areas.



Architectural heights that gradually increase towards the town centre  
街の中心部に向かって徐々に高くなる建築の高さ



Location : Vallentin Rd  
Date : 11/11/2022

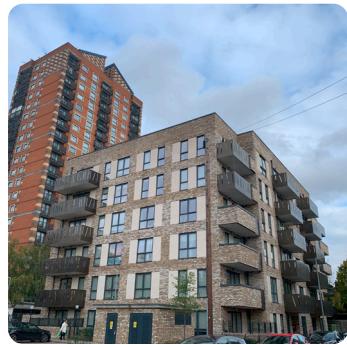
戸建てと集合住宅が向かい合う  
Houses and apartments face each other.



Housing with parking spaces  
駐車場のある住宅

## Research Material Library

### 03 Walthamstow Central - Wood Street - Leytonstone



Location : Vallentin Rd  
Date : 11/11/2022

新しく開発された住宅の雰囲気  
Atmosphere of newly developed housing.



Location : Vallentin Rd  
Date : 11/11/2022



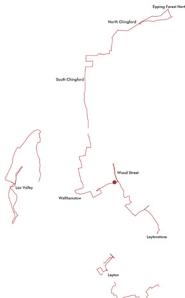
Location : Wood St  
Date : 11/11/2022



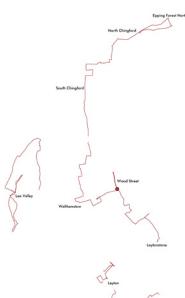
Location : Wood St  
Date : 11/11/2022

様々な交通機関が交差する  
Various transport crossings.

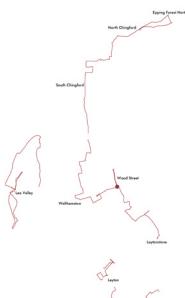
Building of extreme height  
建築物の高さ



Urbanized  
都市化



Who will update the information and how?  
情報の更新者は誰で、どのようにする?



Railway, bus, cars, lorries, pedestrians  
鉄道、バス、車、トラック、歩行者



## Research Material Library

03 Walthamstow Central - Wood Street - Laytonstone



Location : Wood St  
Date : 11/11/2022

ウッドストリート  
Wood Street



Wide pavements in front of new development

新しい開発の前は歩道が広い



Location : Wood St  
Date : 11/11/2022

さっきの大規模な開発。商店街側  
Large-scale development just mentioned.  
Shopping street side.



What are the spaces between housing complexes for?

集合住宅の間の空間は何のためのものなのか



Location : Wood St  
Date : 11/11/2022

昔からある商店と新しい開発の入り混じる空間  
Mixture of old shops and new developments.



Graffiti to create a buzzing atmosphere  
グラフィティで賑やかさを演出する



Location : Wood St  
Date : 11/11/2022

商店街のすぐ裏は住宅地  
Residential buildings just behind the shopping street.



Residential area just behind the busy street

賑やかな通りのすぐ裏は住宅地

## Research Material Library

03 Walthamstow Central - Wood Street - Leytonstone



Location : Wood St  
Date : 11/11/2022

いろんな壁にグラフィティーが描いてある  
Graffiti painted on various walls.



Graffiti to create a buzzing atmosphere 2  
グラフィティで賑やかな雰囲気を醸す 2

Small commercial area within a commercial  
area  
商業地帯の中の商業地帯



Location : Wood St  
Date : 11/11/2022

Freely used shared space  
自由に使われる共有空間



Location : Wood St  
Date : 11/11/2022

小さな商店が詰まっている。ちょっと古い匂いがする  
Packed with small shops. Smells a bit old.



Development seen at the end of the street  
通りの終端に見える開発の様子

Location : Wood St  
Date : 11/11/2022

小学校から子供の声が聞こえる。奥には建設中の建物  
Children's voices can be heard from the primary  
school. Building under construction  
at the back.

## Research Material Library

03 Walthamstow Central - Wood Street - Laytonstone



Location : Wood St  
Date : 11/11/2022

大規模な開発の様子  
Large-scale developments.

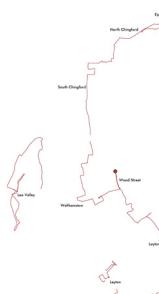


What was there before the development took place?  
開発が行われる前の街が何があったのか



Location : Wood St  
Date : 11/11/2022

商店街の終わりの交差点  
Intersection at the end of the shopping street.



Development that is not integrated with the existing townscape  
既存の街並みに調和しない開発



Location : Wood St  
Date : 11/11/2022

手頃な価格の住宅  
Affordable housing



What is affordable housing?  
手頃な価格の住居とは



Location : Wood St  
Date : 11/11/2022

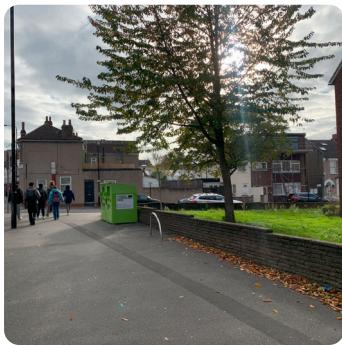
元々一階は店舗だった集合住宅  
Housing complex where the ground floor was originally a shop.



Decrease in demand for shops  
店舗需要の減少

## Research Material Library

03 Walthamstow Central - Wood Street - Leytonstone



Location : Wood St  
Date : 11/11/2022

近年の開発では道路と建物の間にこのようなバッファーは必須ではない

Such buffers between roads and buildings are not mandatory in recent developments.



Location : Wood St  
Date : 11/11/2022

異様な雰囲気のゲート  
Gates with an odd atmosphere.



Location : Lea Bridge Rd  
Date : 11/11/2022

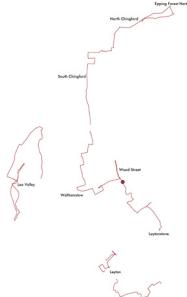
地区を分断する大きな通り  
Large streets dividing the district.



Location : Whipps Cross Rd  
Date : 11/11/2022

通りを越えると自然が増える  
More nature across the street.

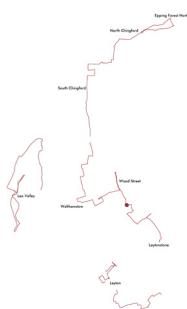
豊かな緑地を有する  
Site with abundant green space



この一帯は複数の  
異なる品質を持つ  
複数の街並みを持つ



交通量が多く、幅の広い道路  
Busy, wide roads with heavy traffic



大規模な開発によって変貌する  
landscape bordered by major  
roads



Research Material Library  
03 Walthamstow Central - Wood Street - Laytonstone

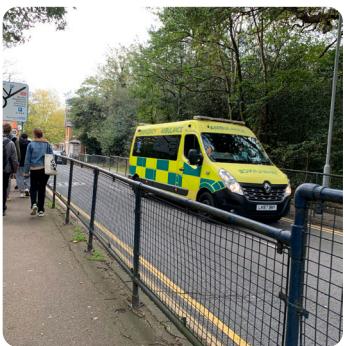


Location : Whipps Cross Rd  
Date : 11/11/2022

右に曲がると病院へ向かう  
Turn right and head towards the hospital.



Hospital signs but no hospital in sight  
病院の看板はあっても病院は見えない



Location : Hospital Rd  
Date : 11/11/2022

病院の前だけ歩道に柵がある  
Fenced pavements only in front of the hospital.



The meaning of having a safety fence only  
On this pavement  
この歩道だけ安全柵を設ける意味とは



Location : Whipps Cross University Hospital  
Date : 11/11/2022

近く再開発が行われる予定の病院  
Hospital to be redeveloped in the near future.



Historic buildings continue to be used with modifications  
歴史的な建築に手を加えて使い続ける



Location : Whipps Cross University Hospital  
Date : 11/11/2022

入口  
ENTRANCE



Historic buildings continue to be used with modifications 2  
歴史的な建築に手を加えて使い続ける2

## Research Material Library

03 Walthamstow Central - Wood Street - Leytonstone



Location : Whipps Cross University Hospital  
Date : 11/11/2022



Location : Whipps Cross University Hospital  
Date : 11/11/2022

プレハブで拡張されている  
Expanded with prefabricated buildings.



Location : Whipps Cross University Hospital  
Date : 11/11/2022

プレハブと立派な建物が向かい合う  
Prefabricated and fine buildings face each other.



Location : Hollow Pond  
Date : 11/11/2022

自然  
Nature



Iai  
病院中のアーニング  
Zoning in the hospital



Historic buildings continue to be used with  
modifications 3  
歴史的な建築に手を加えて使い続ける 3



Historic buildings continue to be used with  
modifications 4  
歴史的な建築に手を加えて使い続ける 4



Large natural space  
広い自然空間



Location : Hollow Pond  
Date : 11/11/2022

白鳥がたくさん  
Lots of swans.

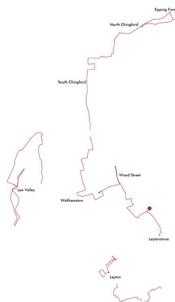


Habitats for many waterbirds  
多くの水鳥が生息している



Location : Hollow Pond  
Date : 11/11/2022

様々な種類の水鳥  
Various types of waterbirds.



Habitats for many waterbirds 2  
多くの水鳥が生息している2

## Research Material Library 04.Lea Valley



Location : Blackhorse Ln  
Date : 09/12/2022

デザインされた案内図。どのようにして情報を更新するかが課題。

Designed information map. The challenge is how to update the information.



Location : Sutherland Path  
Date : 09/12/2022

公共のワークショップ。住宅に囲まれている  
Public workshops. Surrounded by housing.



Location : Blackhorse Ln  
Date : 09/12/2022

建物に間の道路から見える対岸の様子  
View of the other side of the river from the road between the buildings.



Location : Blackhorse Ln  
Date : 09/12/2022

川沿いへの入り口  
Entrance to riverside.

Designed signage  
デザインされた看板



DIY感覚で建築業界  
Architecture that provides a sense of DIY



どこが私有地か?  
Where does private property begin?



川沿いへの入り口  
Entrance to the riverside



Research Material Library  
04 Lee Valley



Location : Blackhorse Ln  
Date : 09/12/2022

住宅の隙間の緑  
Greenery in the gaps between houses.



What is the space for?  
何のための空間なのか



Location : Waterhall Cl  
Date : 09/12/2022

住宅地から川沿いへ  
From residential areas to riverside.

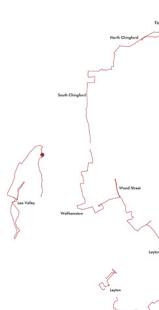


Riverside housing  
川沿いの住宅



Location : Wild Marsh East  
Date : 09/12/2022

家の裏  
Back of the house.



Claustrophobic feeling of being surrounded  
by fences  
柵に囲まれる閉塞感



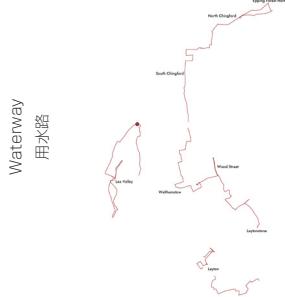
Location : Wild Marsh East  
Date : 09/12/2022

堤防  
Embankment



Fences to prevent entry into reservoir  
貯水池への侵入を防ぐ柵

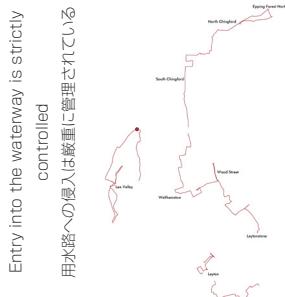
## Research Material Library 04.Lea Valley



Waterway  
用水路

Location : Wild Marsh East  
Date : 09/12/2022

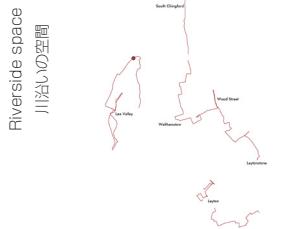
貯水池を通り川  
River through reservoir.



Entry into the waterway is strictly controlled  
用水路への侵入は厳重に管理されています

Location : Wild Marsh East  
Date : 09/12/2022

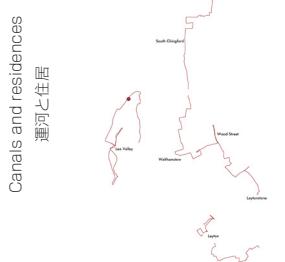
眺めを遮る柵  
Fences blocking the view.



Riverside space  
川沿いの空間

Location : Wild Marsh East  
Date : 09/12/2022

貯水池の下流にある広場  
Public space downstream of the reservoir.



Canals and residences  
運河と住居

Location : Hale Wharf  
Date : 09/12/2022

運河と船  
Canals and boats.

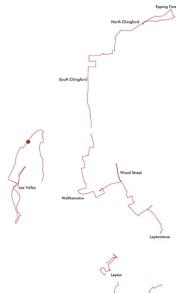


Research Material Library  
04 Lee Valley



Location : Hale Wharf  
Date : 09/12/2022

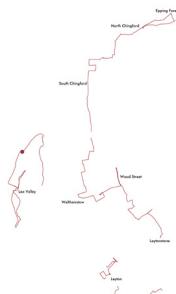
沈んでる  
Sinking.



Who will remove it?  
誰が撤去するのか?



Location : Hale Wharf  
Date : 09/12/2022



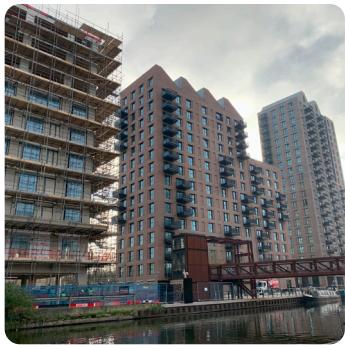
Canal management facility  
運河の管理施設



Location : Hale Wharf  
Date : 09/12/2022

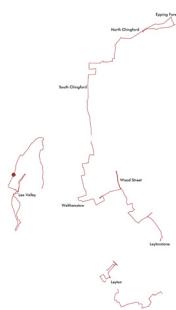


Canals and residences 2  
運河と住居 2



Location : Hale Wharf  
Date : 09/12/2022

開発中  
Under development.



Risks of building high-rise buildings along  
the river  
川沿いに高層建築を建設するリスク

## Research Material Library 04.Lea Valley

Small houses and enormous houses  
小さな住居と巨大な住居



Location : Hale Wharf  
Date : 09/12/2022

高層住宅が並ぶ  
High-rise residential buildings.



Contrast between buildings and development  
既存建物と開発の対比

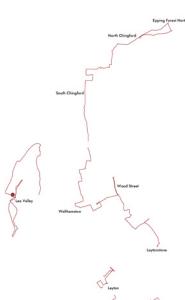


Location : Hale Wharf  
Date : 09/12/2022

橋の左右で様子が全く違う  
The situation on either side of the bridge is completely different.



Boundaries created by natural element  
自然の要素から生まれた境界

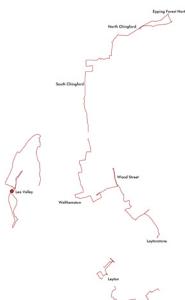


Location : Hale Wharf  
Date : 09/12/2022

運河が区の境界になっている。  
The canal is the boundary of the borough.



An enormous nature within the city  
都市の中に巨大な自然



Location : Walthamstow Wetlands  
Date : 09/12/2022

Walthamstow wetlands の様子  
Walthamstow Wetlands.



Research Material Library  
04 Lee Valley



Location : Walthamstow Wetlands

Date : 09/12/2022

一般に開放された貯水池周辺の環境

Environment around the reservoir open to the public.



Reservoirs open to the people  
人々に開放された貯水池



Location : Walthamstow Wetlands

Date : 09/12/2022

開発が進む都市の中に配置されたオープンスペース

Open spaces located in a developing city.



Vast spaces and dense residential buildings  
広大な空間と密集した住居

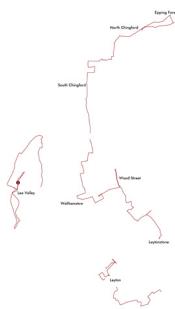


Location : Walthamstow Wetlands

Date : 09/12/2022

開発が行われる中の自然は水鳥のためのスペースでもある

Nature in the midst of development is also space for water birds.



Natural spaces within the city  
都市の中の自然空間





# Buffer Zone

The Space Between  
: Testing care through the buffer zone

Architectural Association School of Architecture  
Intermediate Programme  
Unit 2

Yuki Tohori

# Buffer Zone and Architecture of Care

Definition of "Buffer Zone" and relation with Care

The theme of Intermediate 2 is Architecture of Care. To understand this theme, I began by defining the two words Architecture and Care for myself. Architecture generally refers to the roof and the structure that supports it, but in this research I will use the term 'architecture' to refer to 'objects that are arranged to establish a particular space'. For example, tents in a market or plants on a road are not generally called Architecture, but here I call them Architecture as objects that form a stall or a separation zone. And Care for me means 'acting with something other than oneself in mind'. In other words, I define Architecture of Care as 'an object made for other than oneself'.

What are the places where Architecture of Care can be generated? First, for Care to occur, other people must be present. And in a given space, the places that interact with other people are the edges of that space, the boundaries that touch the neighbouring spaces. But a boundary is a line, on which there is no space. Without space, Architecture cannot exist, so a simple boundary cannot contain the Architecture of Care. This is why I have focused on the Buffer zone, a space between two different spaces with different elements.

Buffer zone is a space exists between different environments and moderates their influence on each other's. I believe when spaces with different elements are neighbouring each other, the care occurs between them will form in their buffer zone.

Intermediate 2 のテーマは Architecture of Care です。このテーマを理解するために、私はまず Architectue と Care の二つの単語について、自分にとっての定義を定めることにしました。

Architecture とは一般に、屋根とそれを支える構造のことを言いますが、このリサーチにおいては、「特定の空間を成立させるために配置されている物体」のことを Architectue と呼ぶことにしています。例えば、マーケットに並ぶテントや道路に植えられた植物などは一般的には Architecture とは呼びませんが、ここでは、露店や分離帯を構成する物体として Architecture と呼びます。

そして私にとっての Care とは「自分以外のことを念頭において行動すること」です。つまり私は Architecture of Care を「自分のため以外に作られた物体」であると定義しています。

では、Architecture of Care はどのような場所に生まれるでしょうか。はじめに Care が発生するためには、他の人々が存在しなければなりません。そしてある空間において、他の人々と関わり合いを持つ場所は、その空間の端、つまり隣接する空間と接し合う境界になります。

しかし、境界とは線であり、その上には空間がありません。空間がなければ Architecture は存在しないため、ただの境界では Architecture of Care を内包することはできないのです。

そこで私が着目したのが、二つの異なる要素を持つ空間に挟まれた空間、つまり Buffer zone です。

Buffer Zone とは、異なる環境の間に存在し、互いの影響を和らげる空間のことです。異なる要素を持つ空間が隣り合うとき、その間に発生する Care は Buffer Zone に形成されると考えています。

# Categorization of Buffer Zones

## Methodology of Buffer Zone Analysis

53 / 144

I used field research in the Waltham Forest to understand this Buffer zone. Field research involves observing urban spaces in the Waltham Forest at a human scale.

Therefore, I decided that the Buffer zone research would also deal with human-scale space in the city. In order to gain a deeper understanding of the human-scale boundaries in the city I have collected, this booklet analyses and catalogues each space in terms of

- Where they are located in the city
- What is the space between what and what
- What is in the space between what and what
- Which of the following does the space fall into
  1. closed boundary
  2. boundary with objects yet open
  3. oundary with nothing
  4. buffer zone



The diagram is used in this catalogue to show what kind of space the target space is. From top to bottom they are: closed boundary, boundary with objects yet open, boundary with nothing and buffer zone.

私は、このBuffer zoneを理解するために、Waltham Forestにおけるフィールドリサーチを用いました。フィールドリサーチでは、Waltham Forestにおける都市空間をヒューマンスケールで観察しています。そこで、Buffer zoneの調査も、都市におけるヒューマンスケールのものを取り扱うこととしました。

この冊子では、私が収集した都市におけるヒューマンスケールのBuffer Zoneをより理解するために、それぞれの空間を以下の点について分析し、カタログにしています。

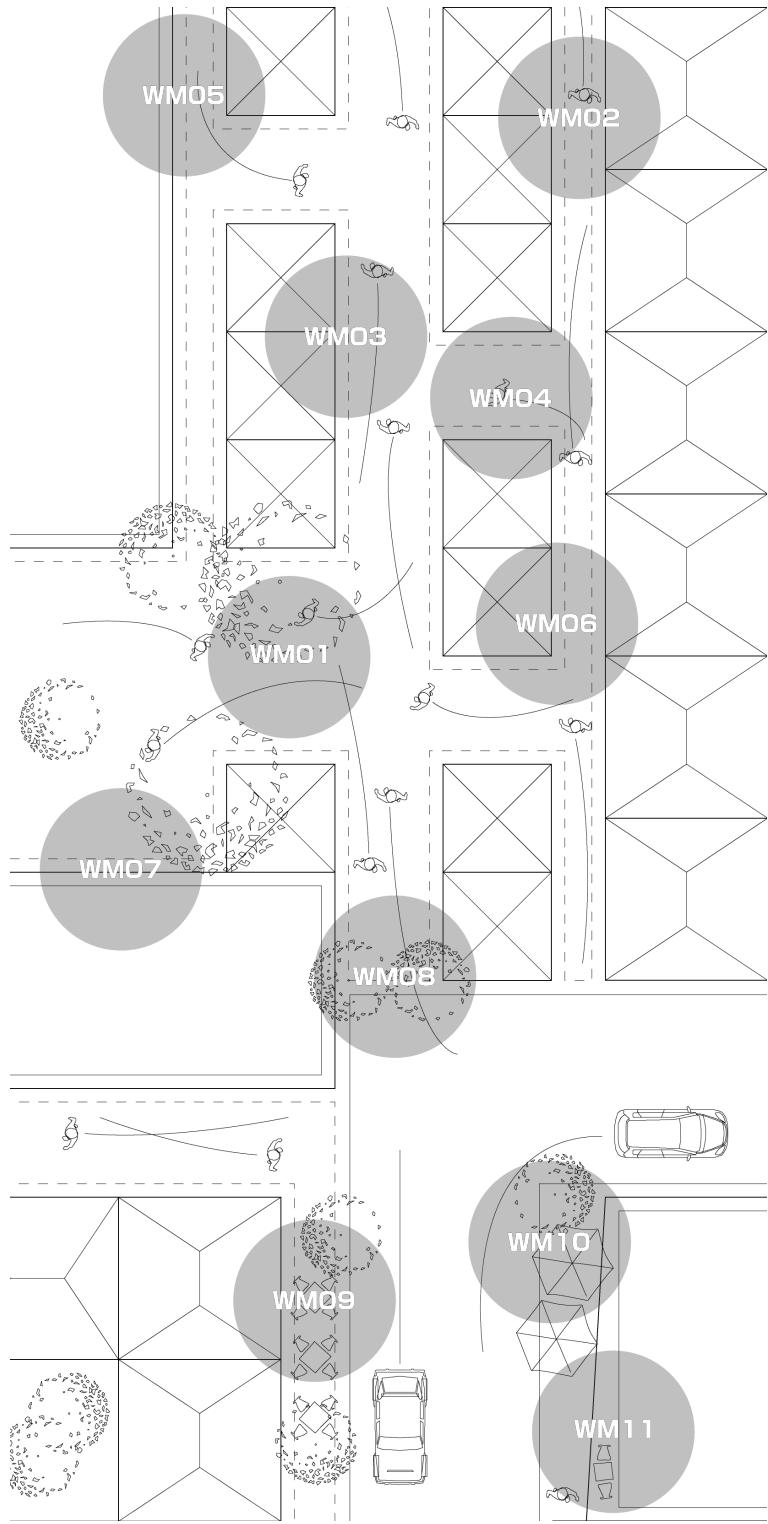
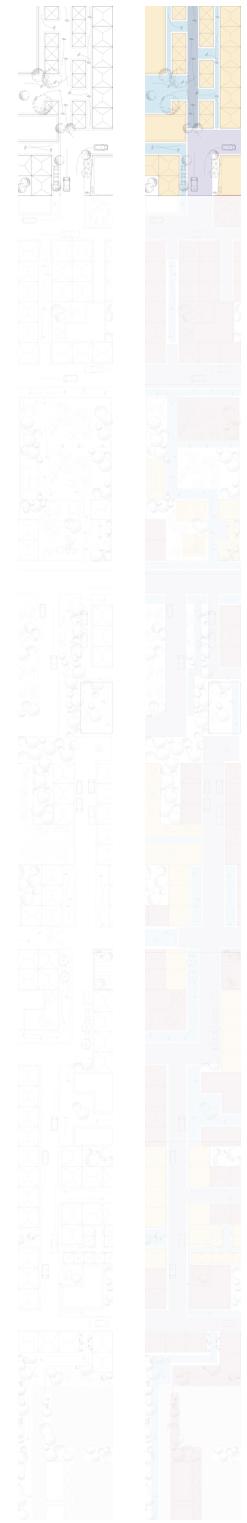
- 都市のどこにあるか
- 何と何に挟まれた空間か
- 挟まれた空間には何があるか
- その空間は以下のどれに当てはまるか
  - 1.閉じた境界
  - 2.物体はあるが開いた境界
  - 3.何もしない境界
  - 4.緩衝地帯



このカタログでは、対象の空間がどのような空間なのかを示すために、以下のダイヤグラムを用います。上から閉じた境界、物体はあるが開いた境界、何もしない境界そして緩衝地帯です。

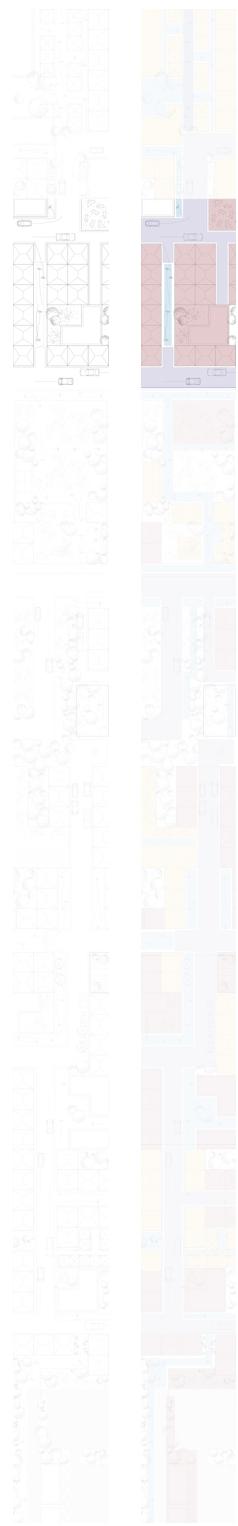
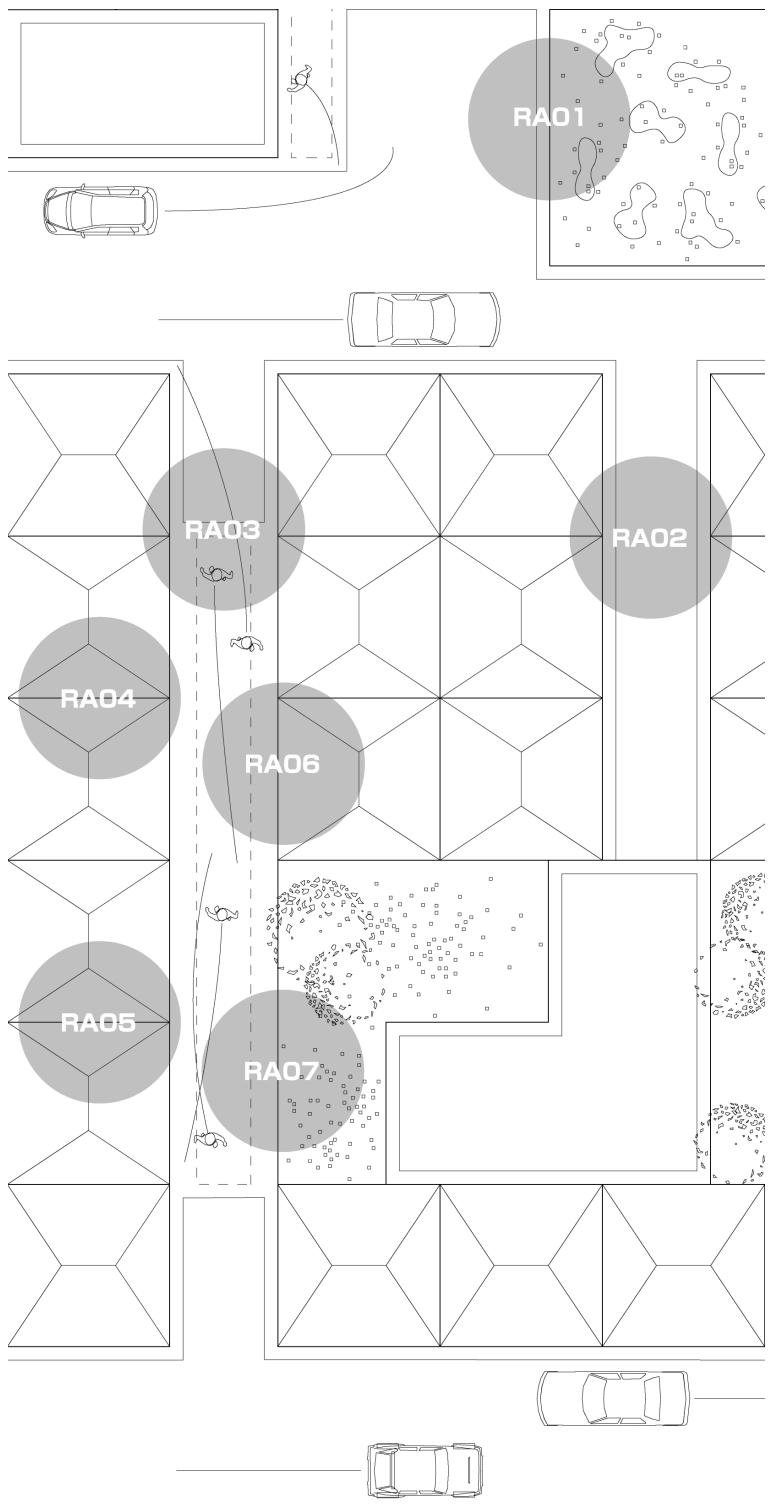
## Walthamstow Market

Location diagram 1



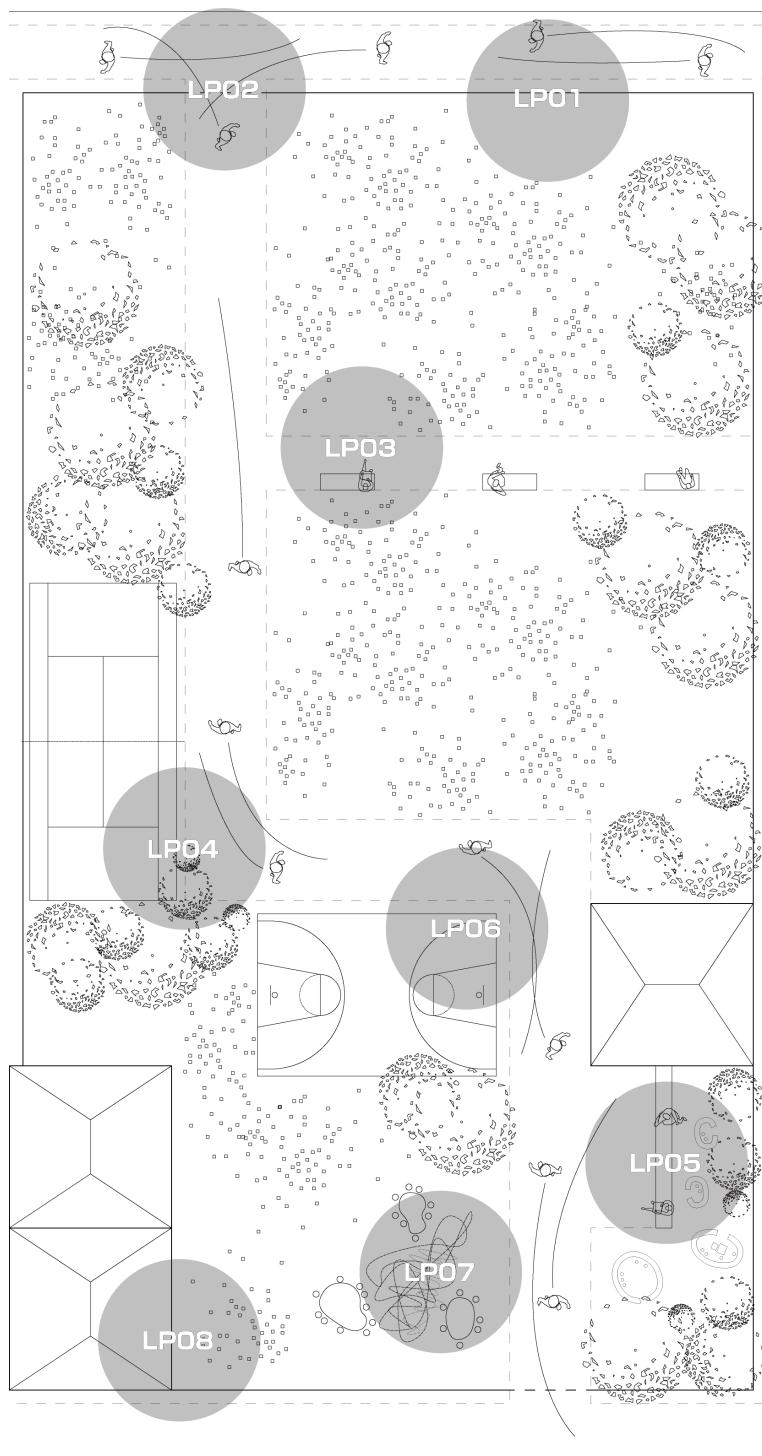
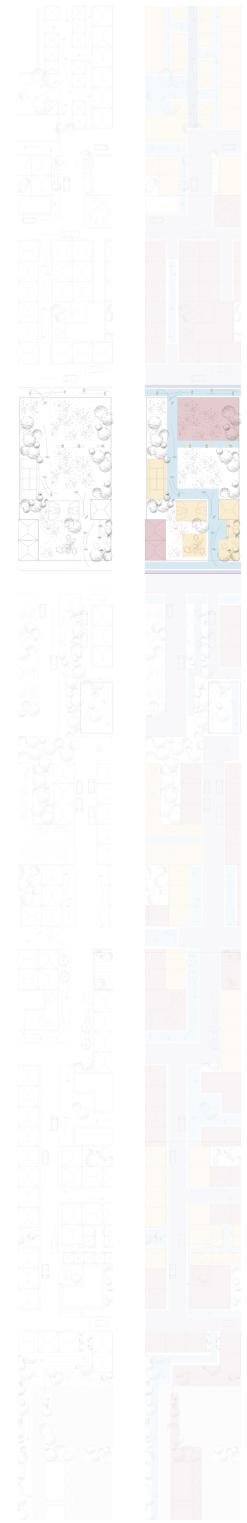
## Residential Area

Location diagram 2



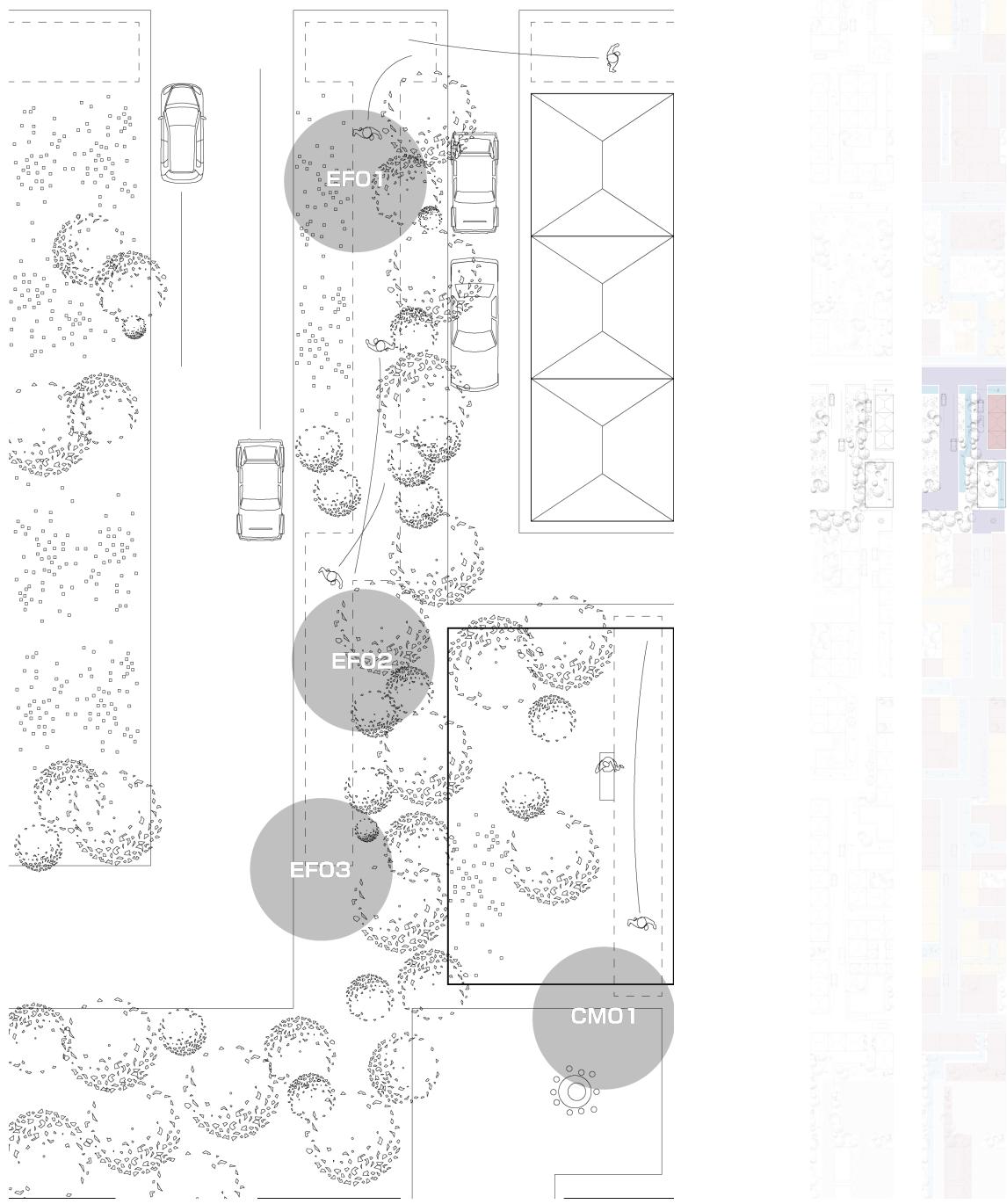
## Lloyd Park

Location diagram 3



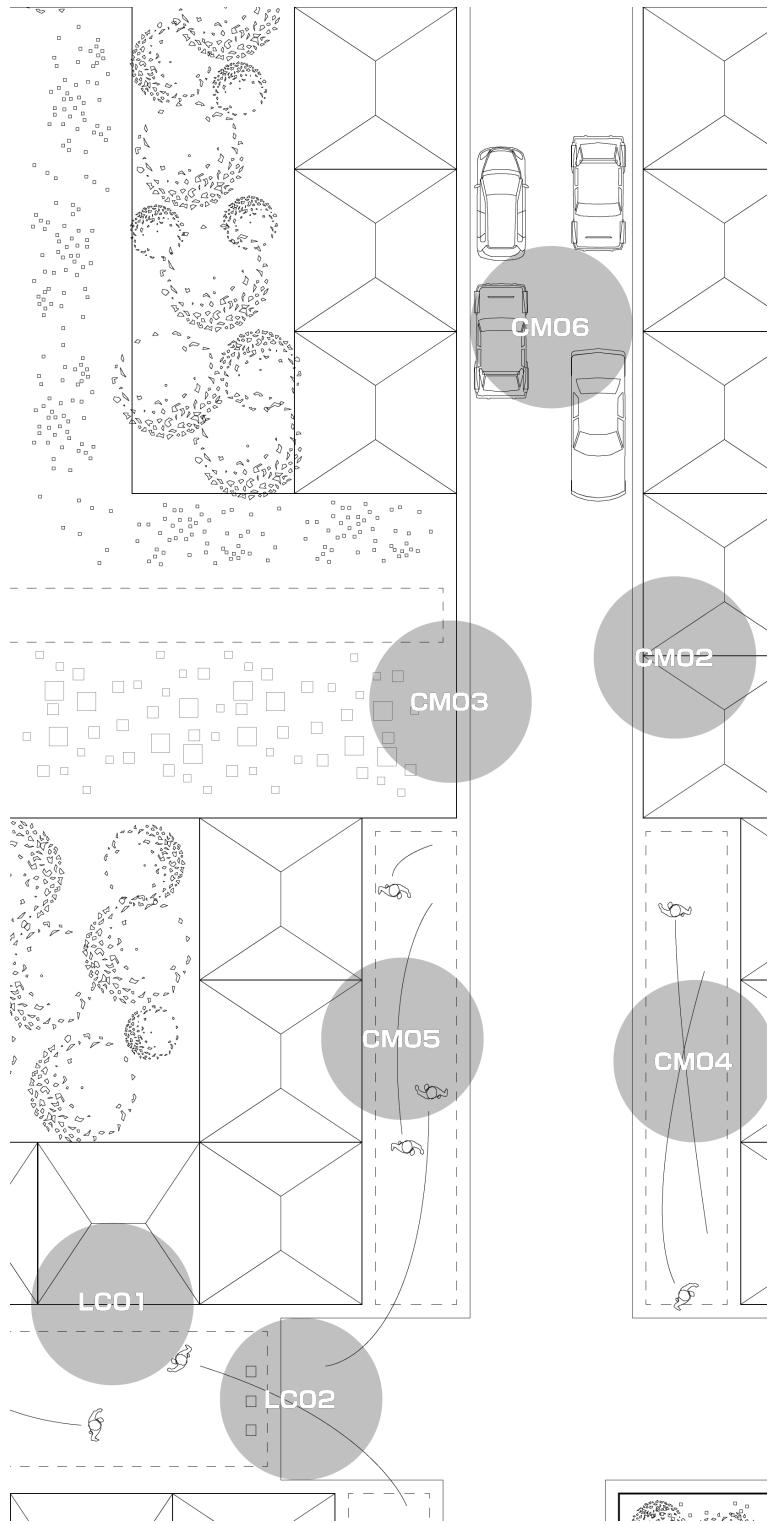
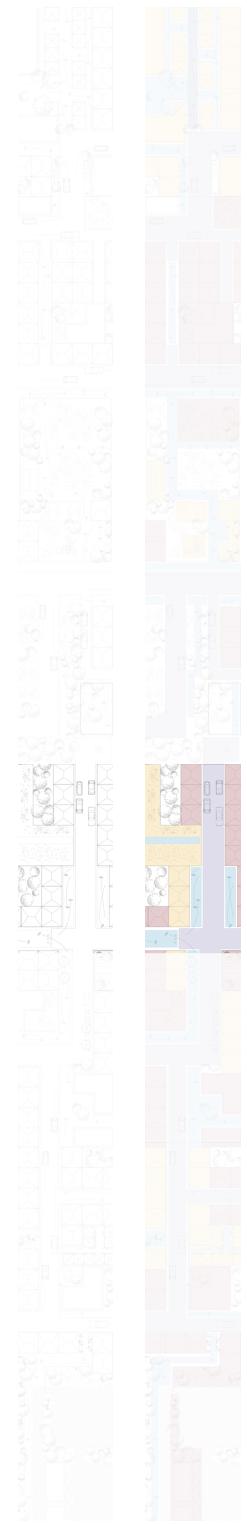
## Epping Forest - Chingford Mount

Location diagram 4



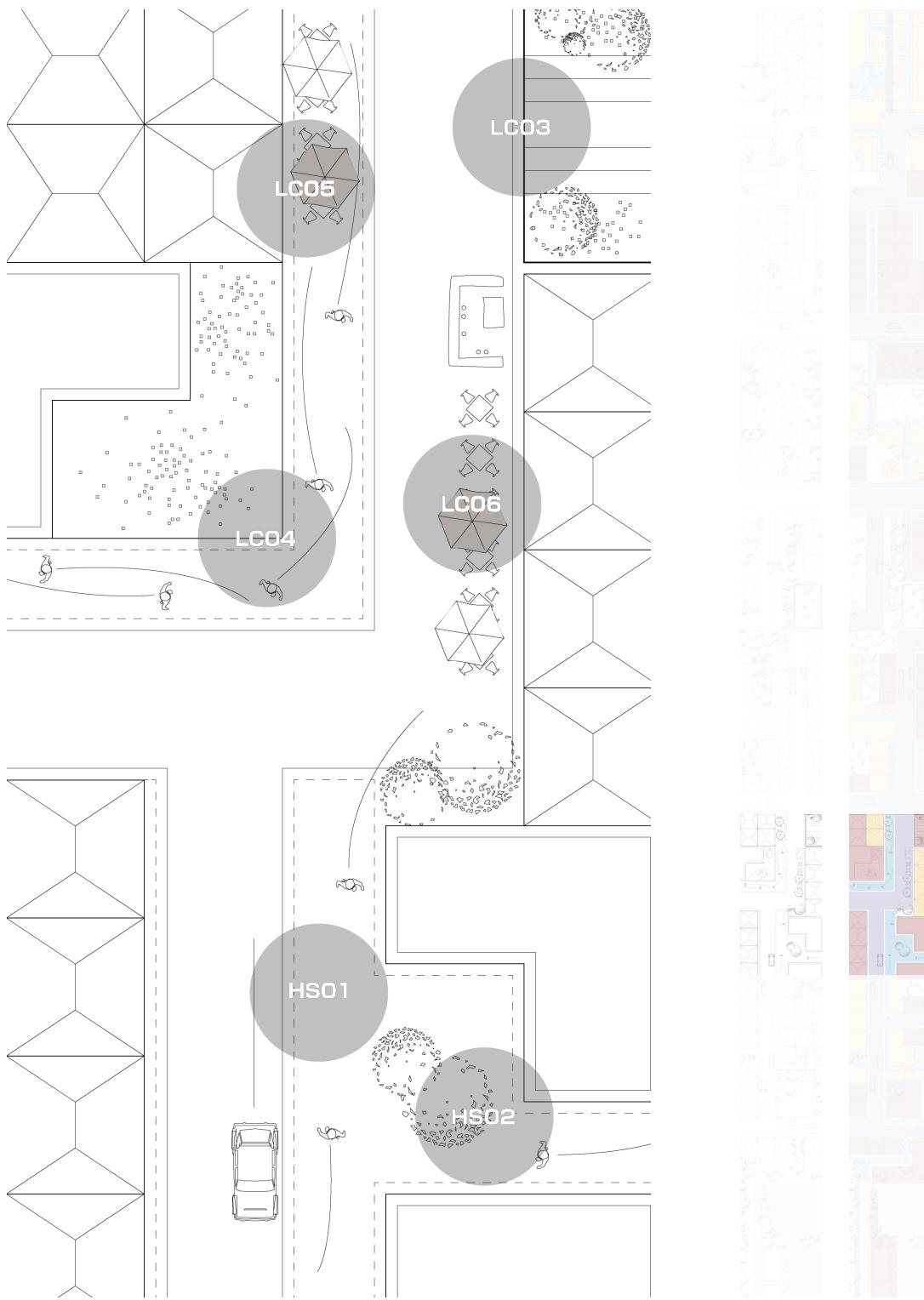
## Chingford Mount - Local Commerce

Location diagram 5



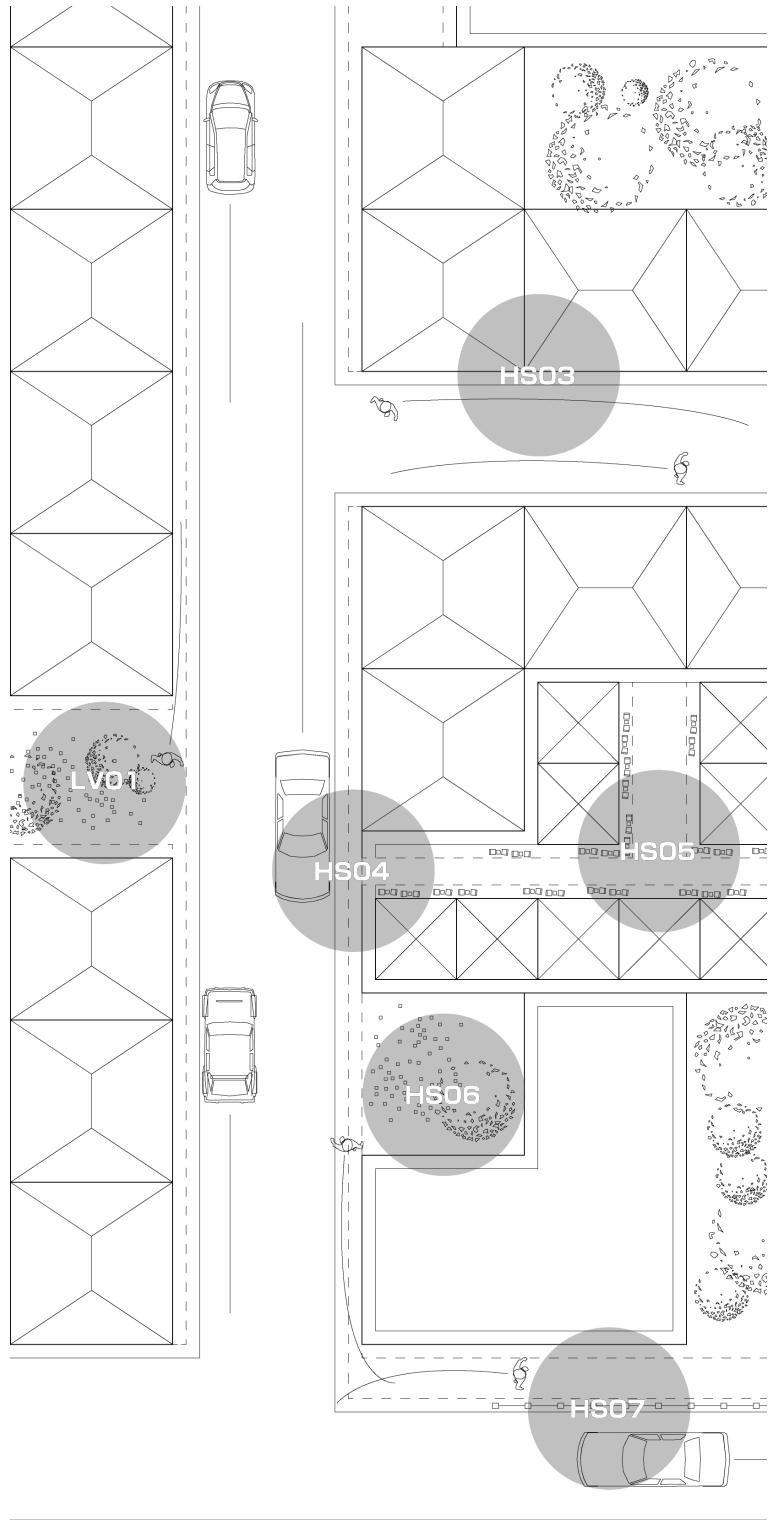
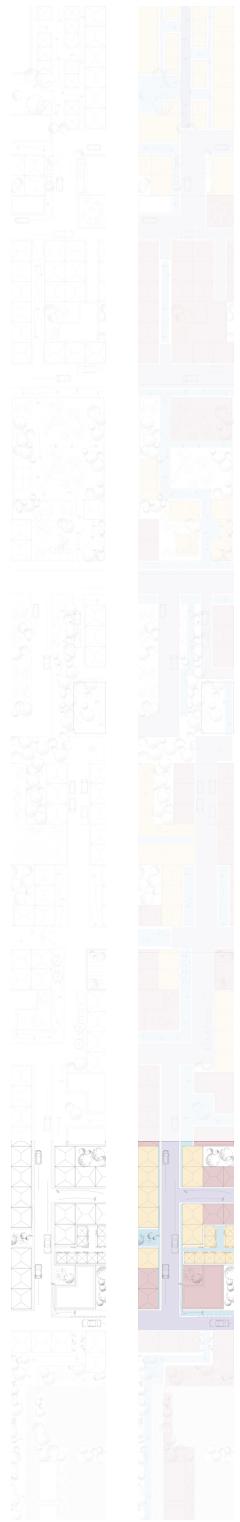
## Local Commerce - High Street

Location diagram 6



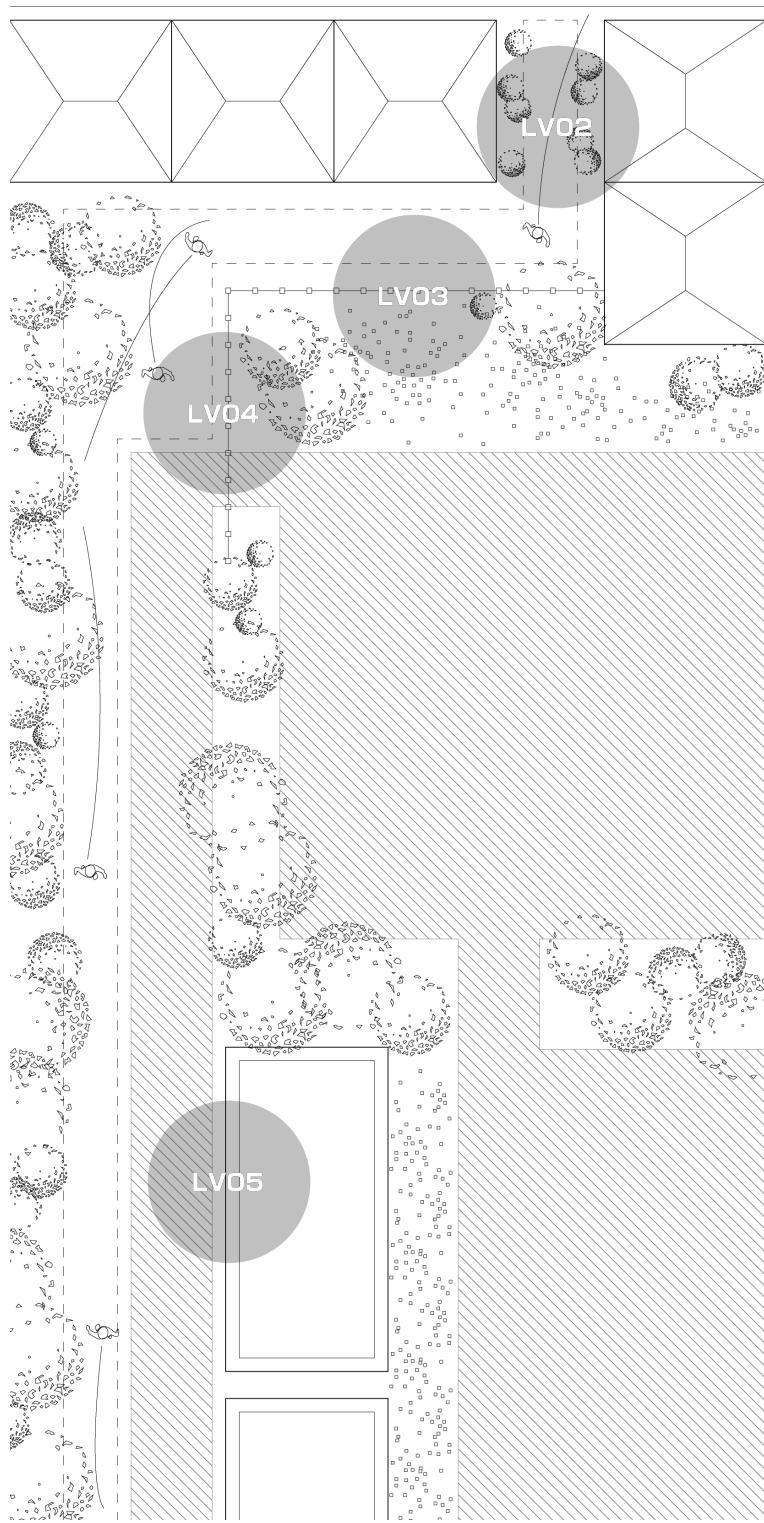
## High Street

Location diagram 7



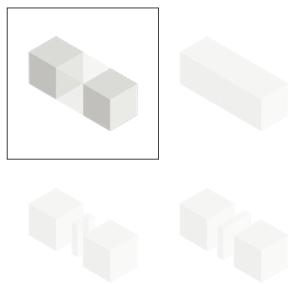
## Lea Valley

Location diagram 8

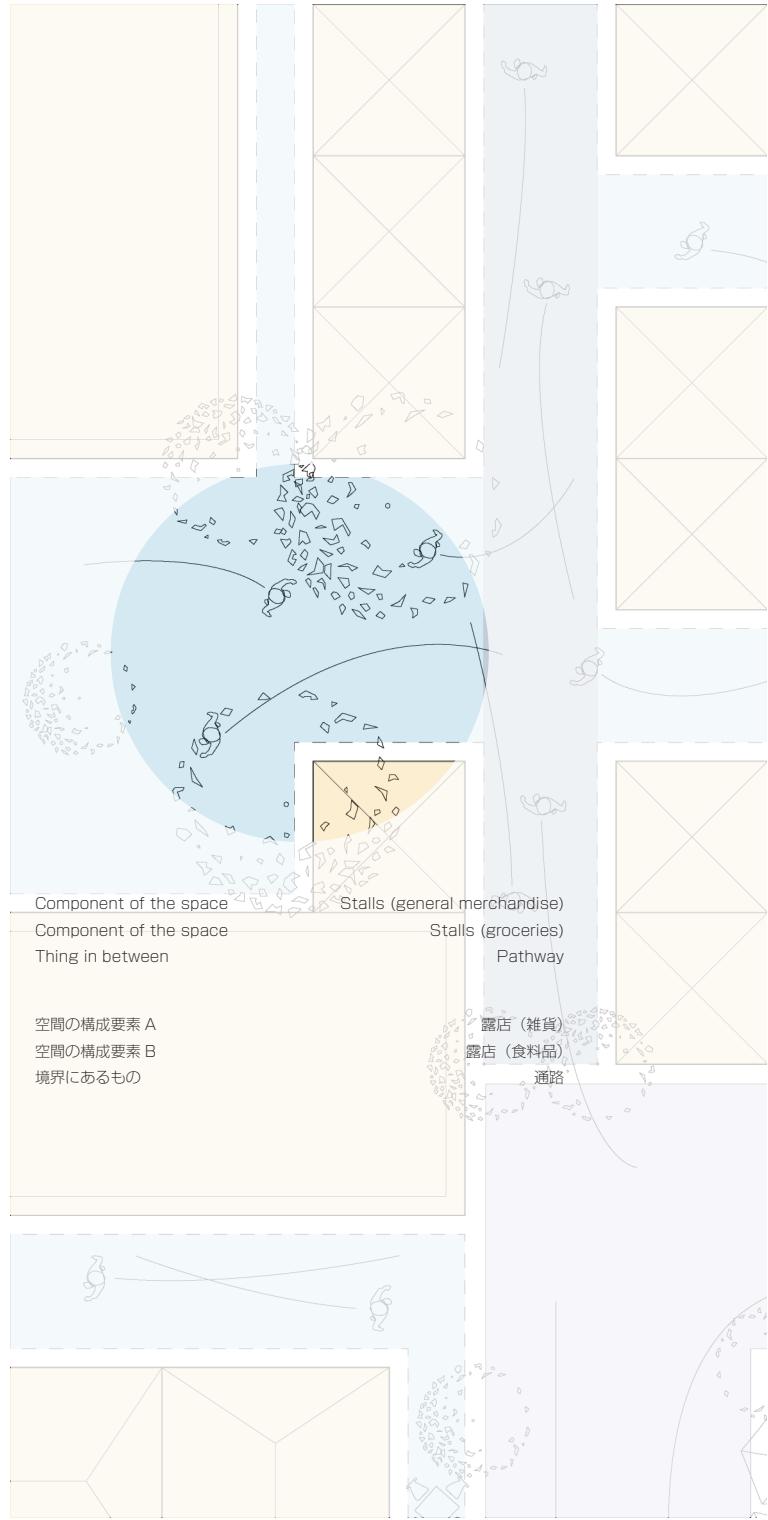


## WM01

Space between market stalls  
マーケットの露店の間の空間



- No Entry
- Visiting Space
- △ Passing (low density)
- Passing (high density)
- ▲ Passing (Car)



# WM02

Back roads created by temporary tents

仮設のテントが作り出す裏道



● No Entry

● Visiting Space

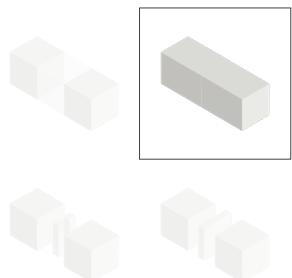
● Passing (low density)

● Passing (high density)

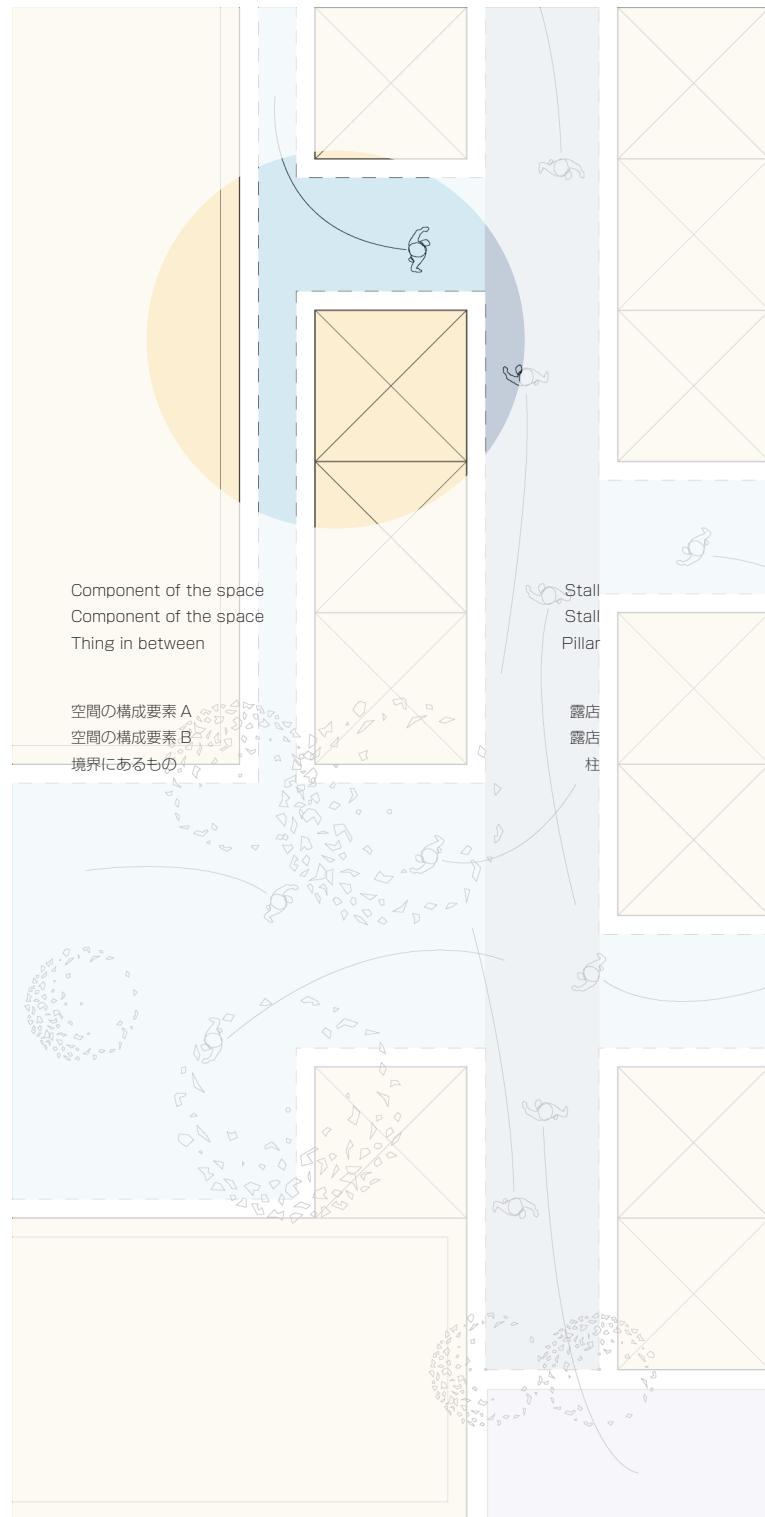
● Passing (Car)

# WM03

Pillar taken up by stalls  
露店に取り込まれる柱



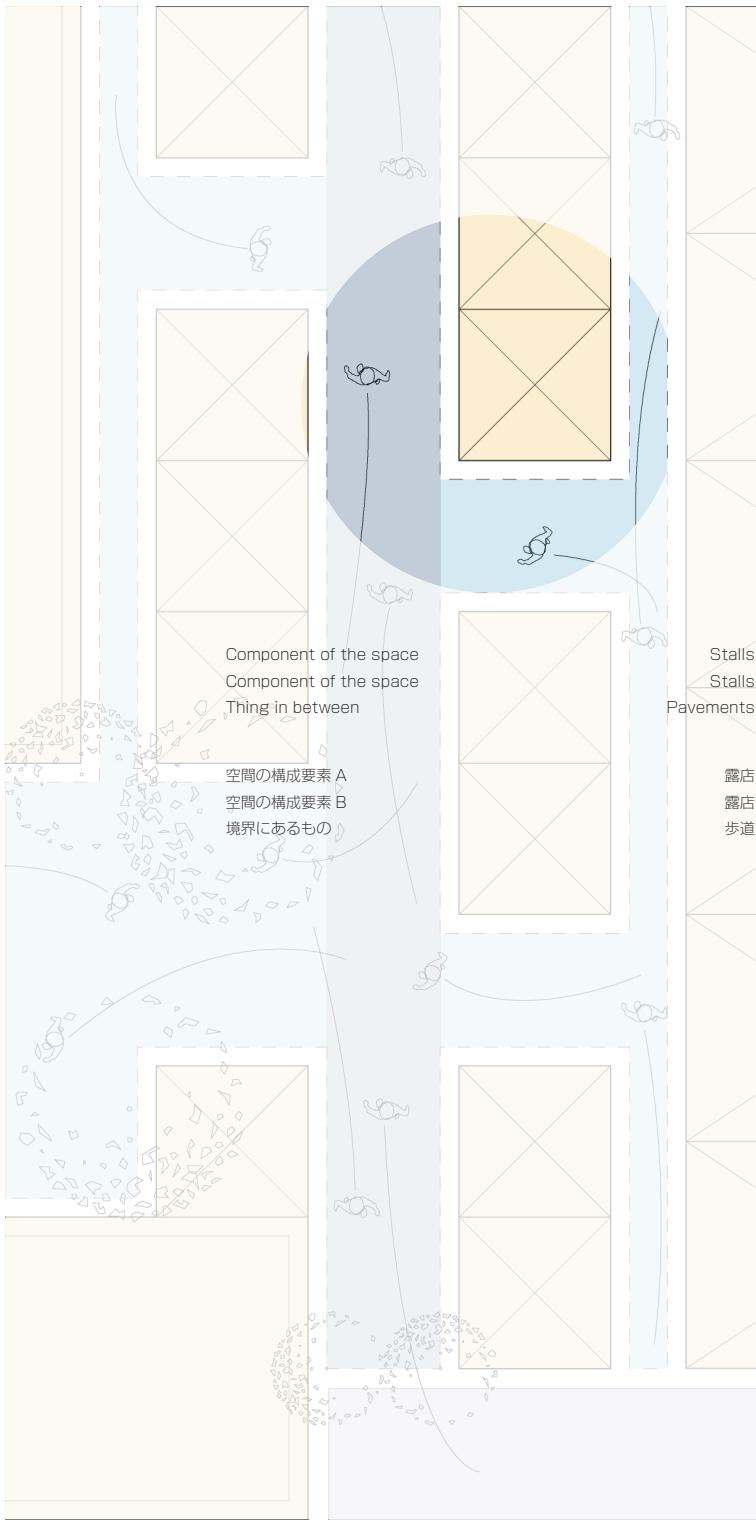
- No Entry
- Visiting Space
- Passing (low density)
- Passing (high density)
- Passing (Car)



# WMO4

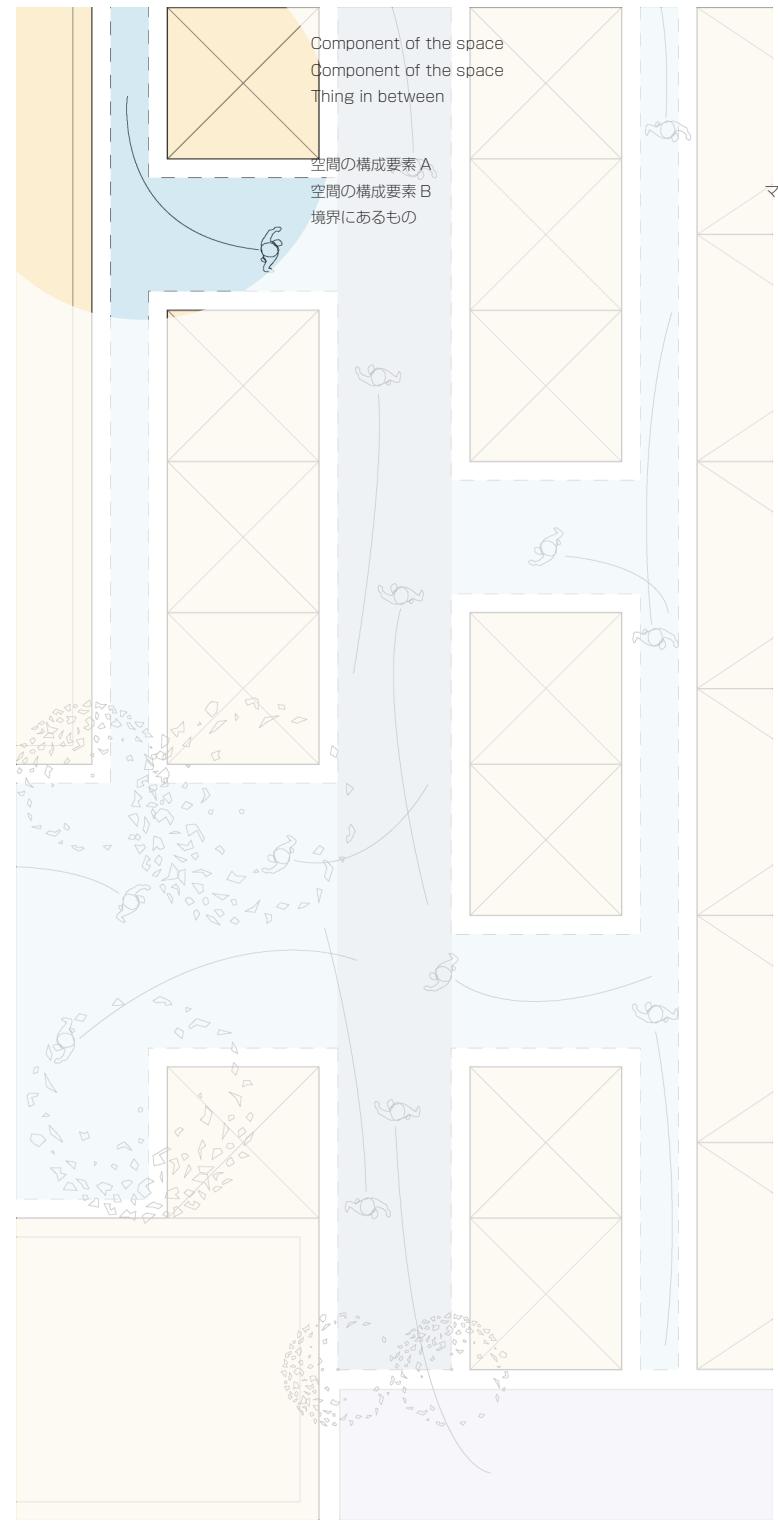
Multiple pathways composed by stalls

露店(によって構成される複数の通り道



# WMOS

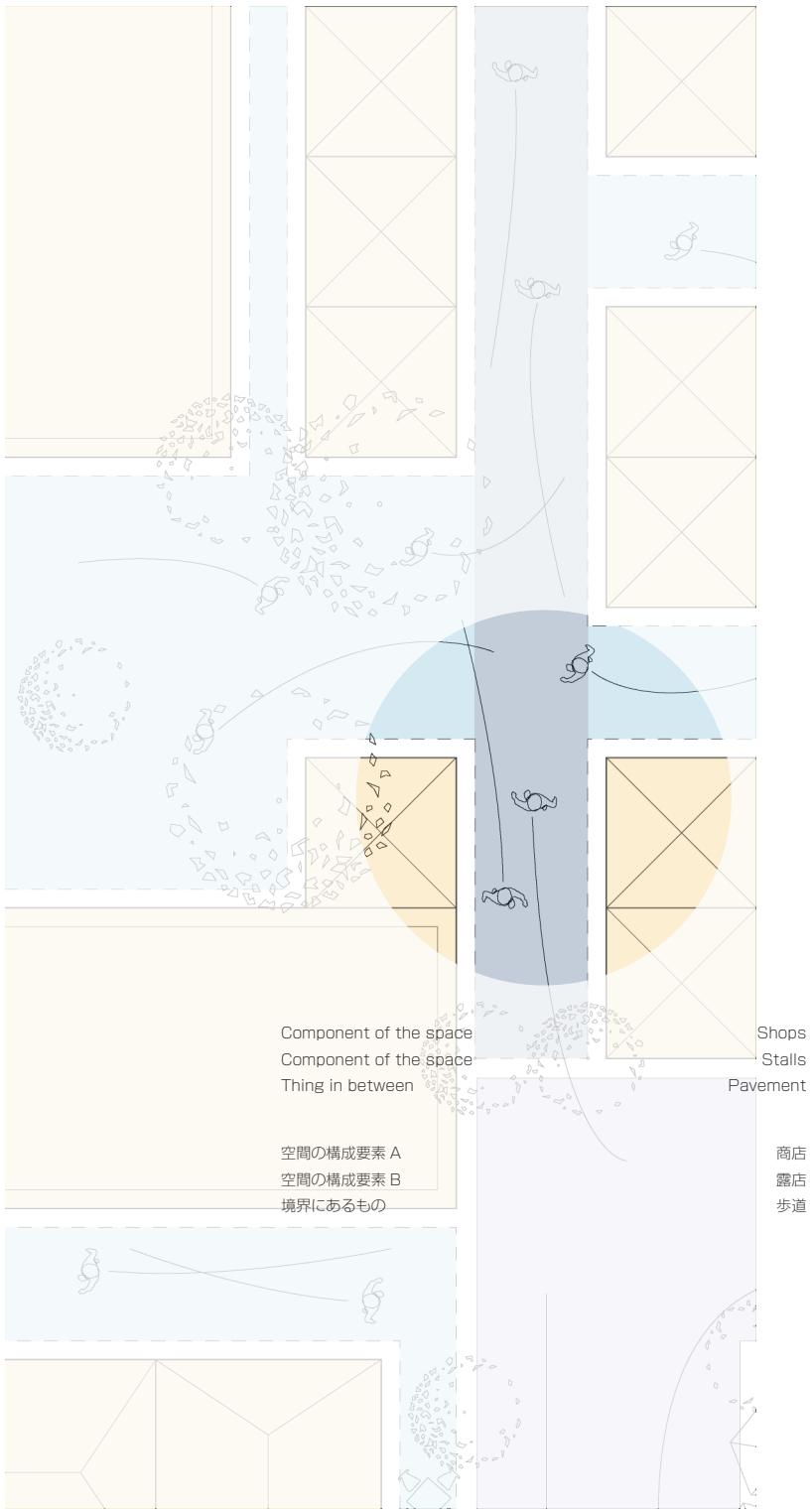
Is this property a mall or a market?  
この敷地はモールなのかマーケットなのか



# WM06

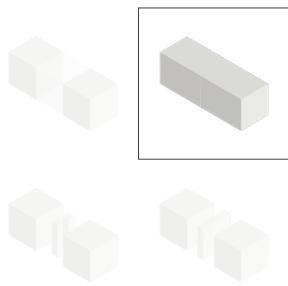
Stall with closed backside

裏側を閉じている露店

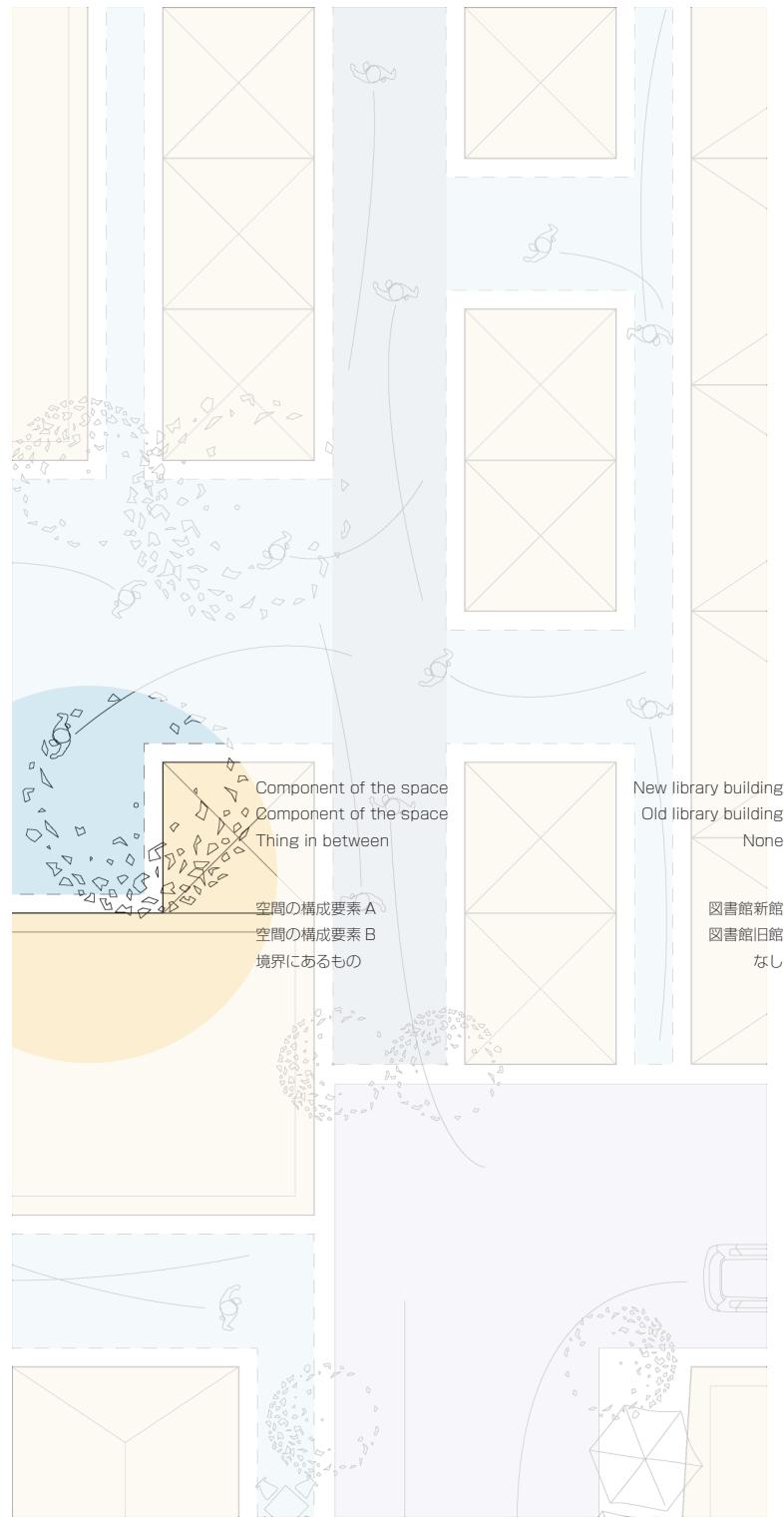


# WM07

Old and New Library Wings  
図書館の旧館と新館

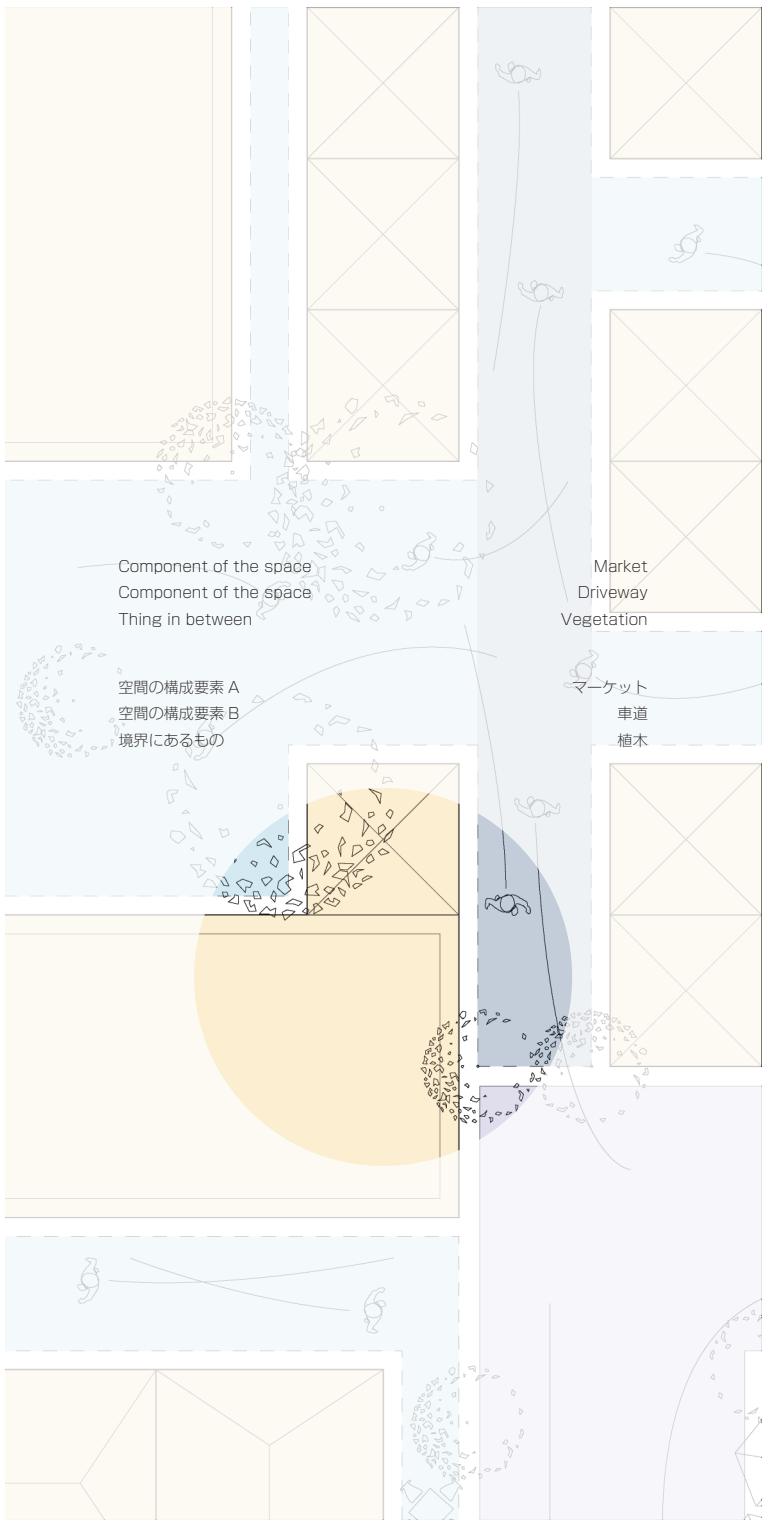


- No Entry
- Visiting Space
- Passing (low density)
- Passing (high density)
- Passing (Car)



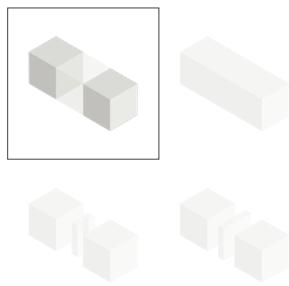
# WMO8

Objects indicating the end of the market  
マーケットの終わりを示すオブジェクト



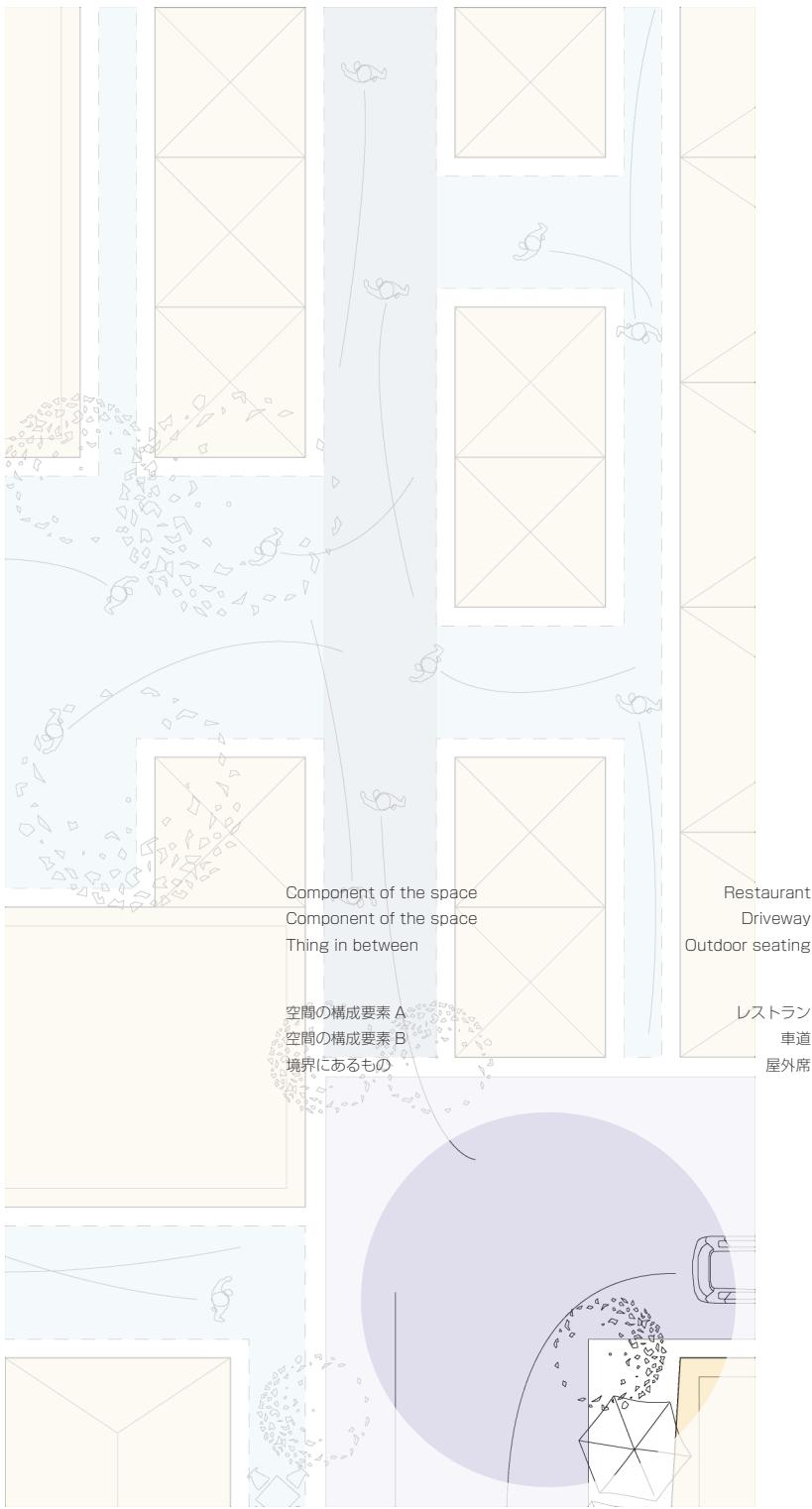
# WM09

Open outdoor seating  
開かれた屋外席



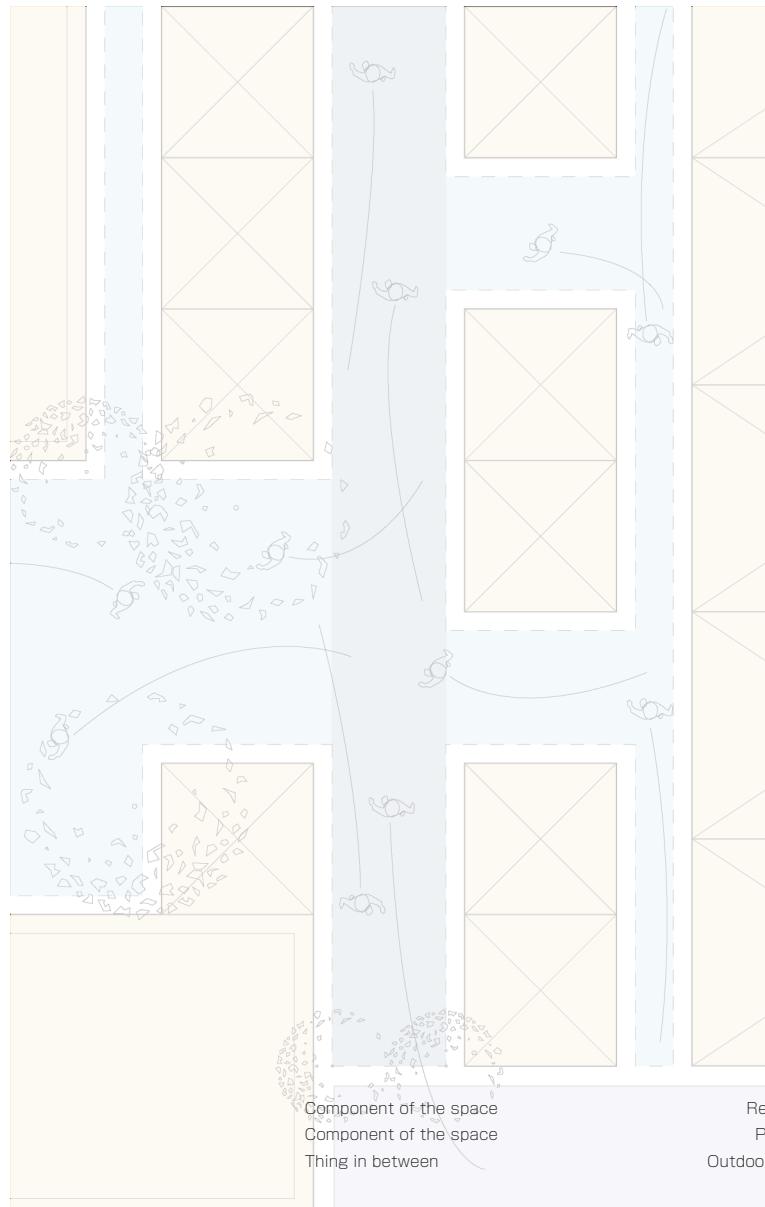
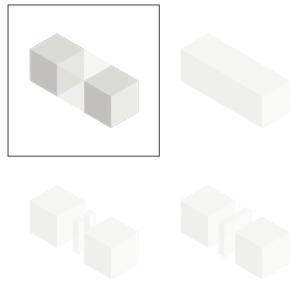
# WM10

Closed outdoor seating  
閉じた屋外席



## WM 11

Is the space under the eaves a street or a store?  
庇の下の空間は道路なのか店舗なのか

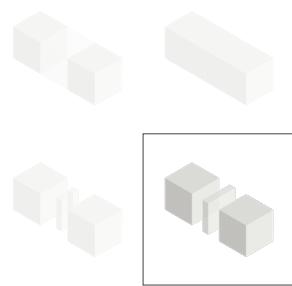
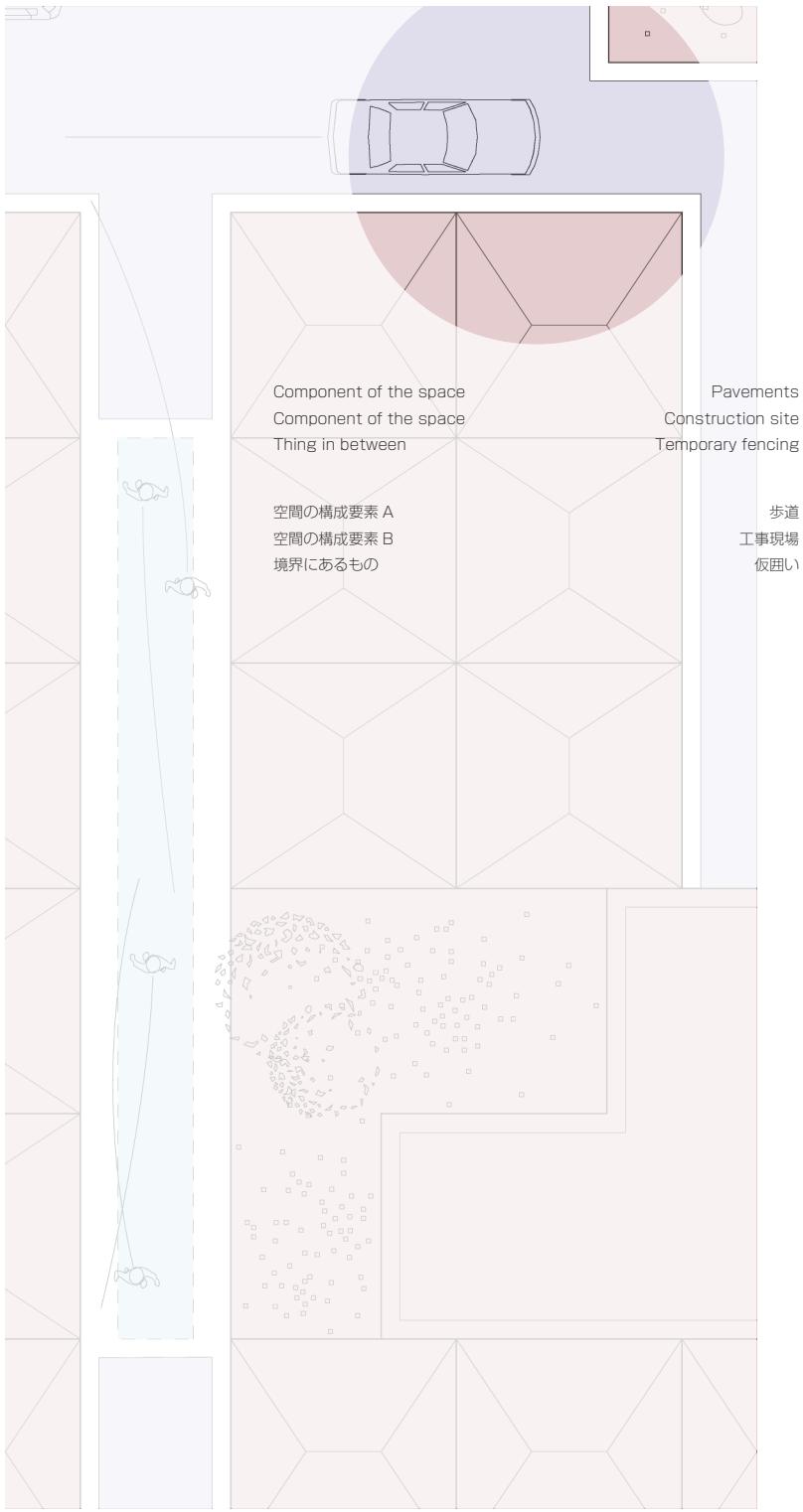


- No Entry
- Visiting Space
- Passing (low density)
- Passing (high density)
- Passing (Car)

# RA01

Pedestrian safety and advertising

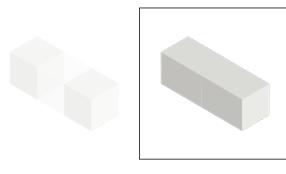
歩行者の安全の確保と広告



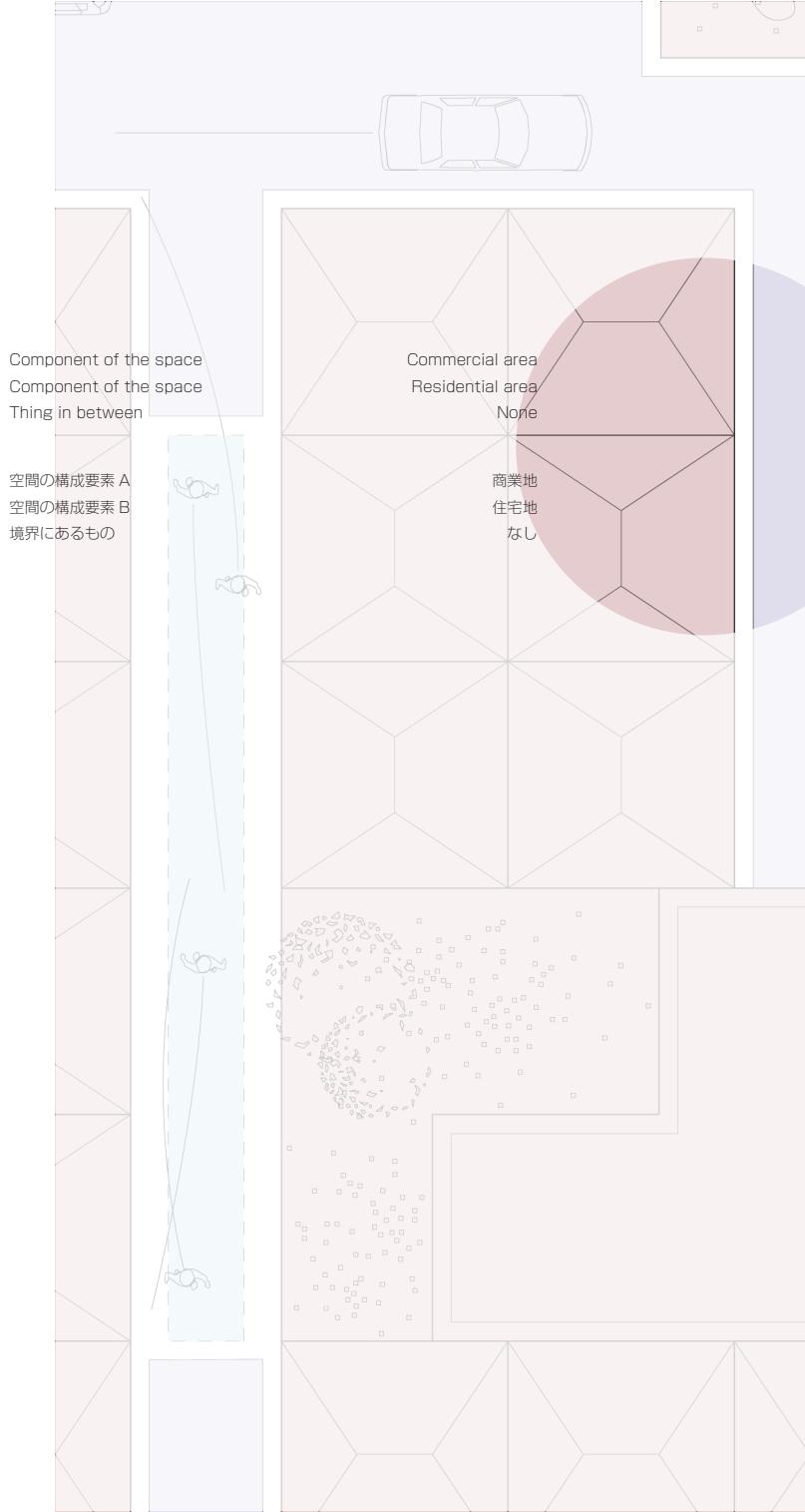
- No Entry
- Visiting Space
- Passing (low density)
- Passing (high density)
- Passing (Car)

## RA02

Urban planning to keep residential areas quiet  
住宅地を静かに保つ都市計画



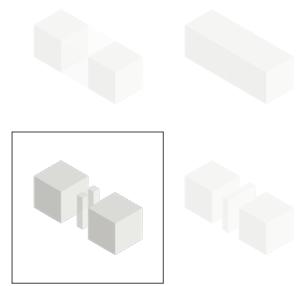
- No Entry
- Visiting Space
- Passing (low density)
- Passing (high density)
- Passing (Car)



# RA03

Objects that keep residential areas quiet

住宅地を静かに保つオブジェクト



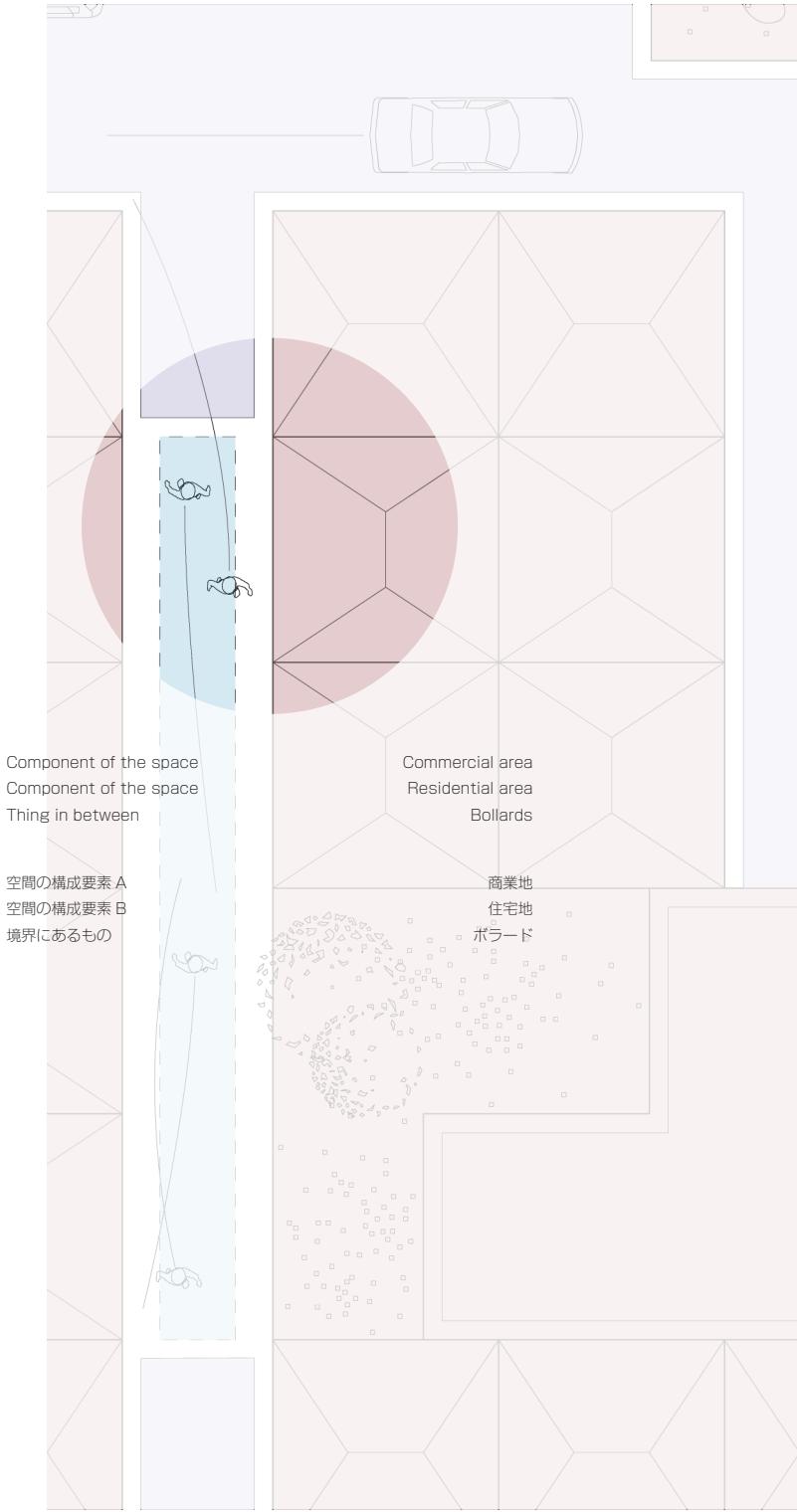
● No Entry

○ Visiting Space

■ Passing (low density)

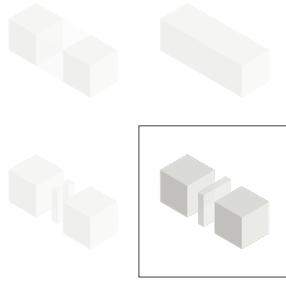
■ Passing (high density)

■ Passing (Car)

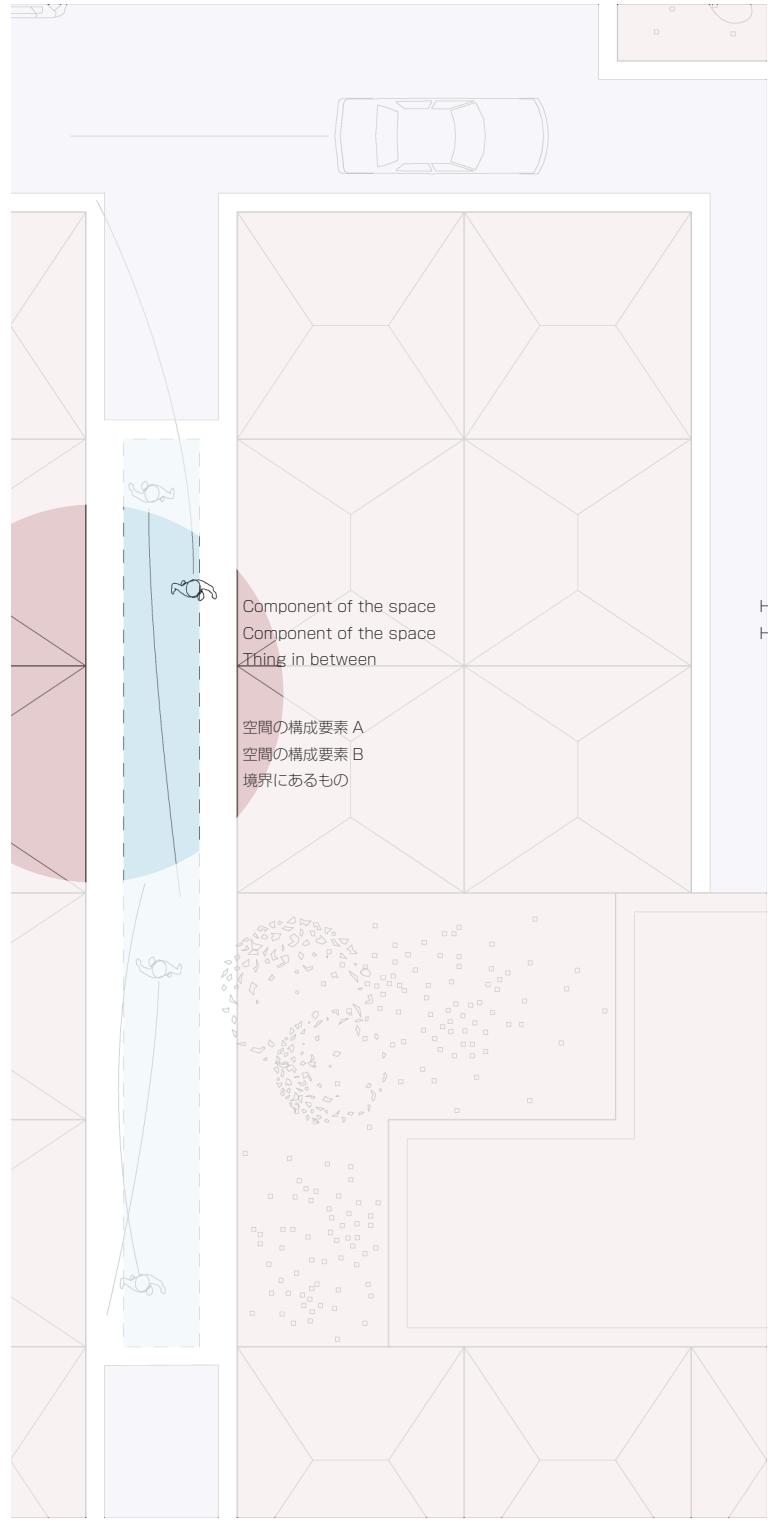


## RA04

One architecture. Two owners.  
一つの建築。二人の所有者。



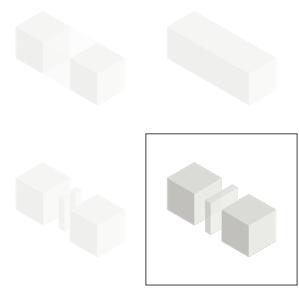
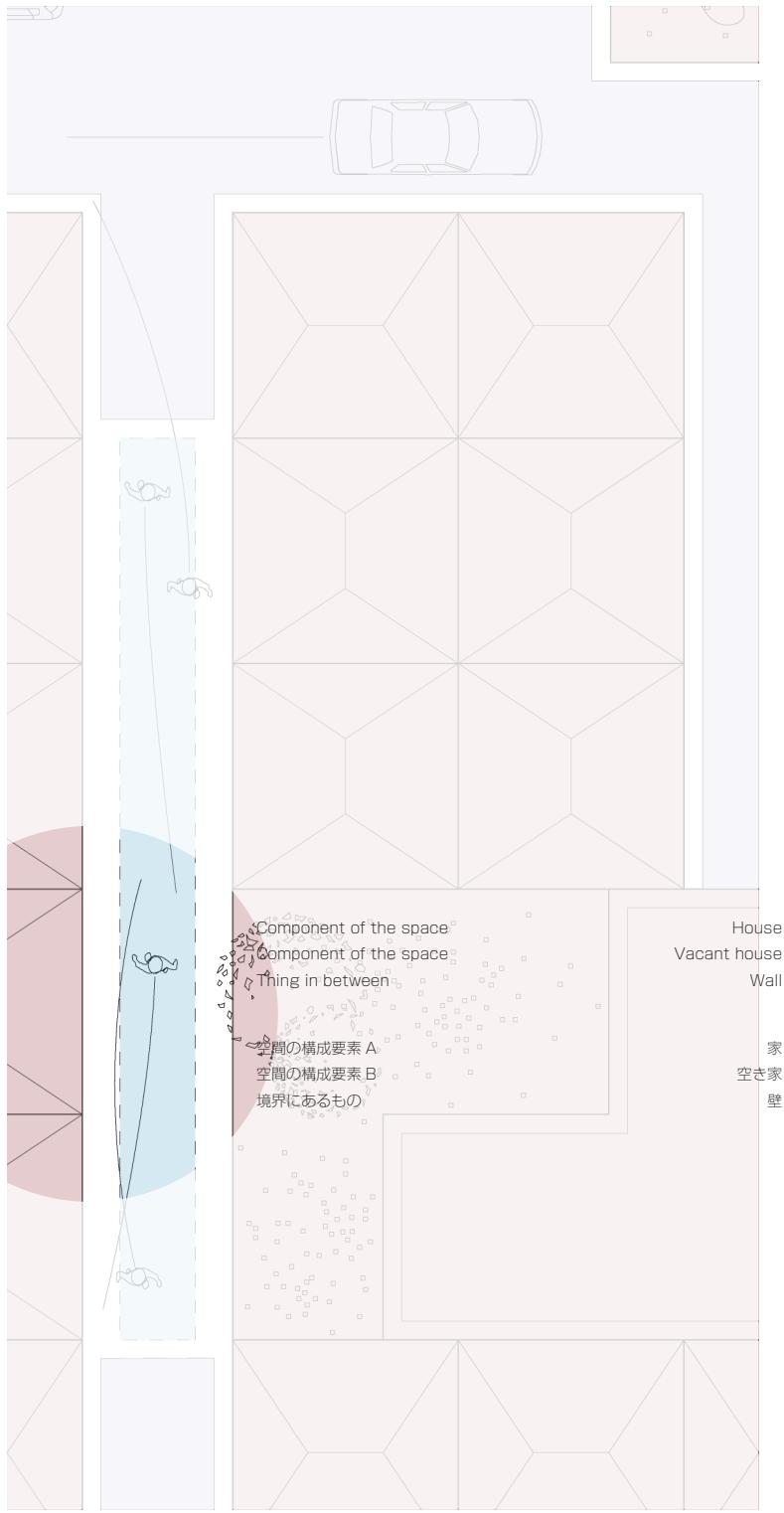
- No Entry
- Visiting Space
- Passing (low density)
- Passing (high density)
- Passing (Car)



# RA05

Management of vacant houses

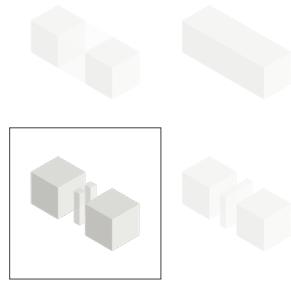
空き家の管理



- No Entry
- Visiting Space
- △ Passing (low density)
- Passing (high density)
- ▲ Passing (Car)

# RA06

Fence not intended for security  
セキュリティを目的としない柵



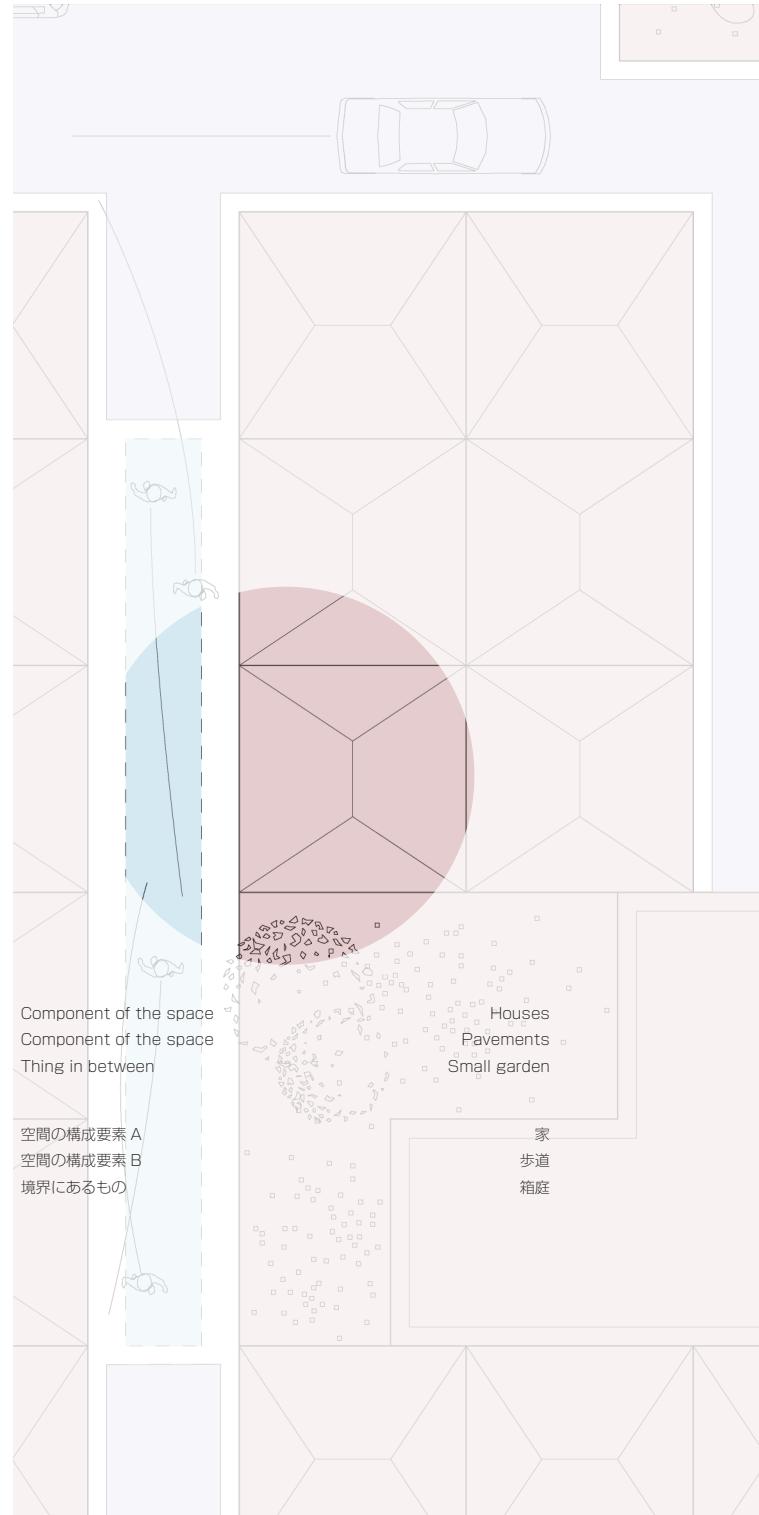
No Entry

Visiting Space

Passing (low density)

Passing (high density)

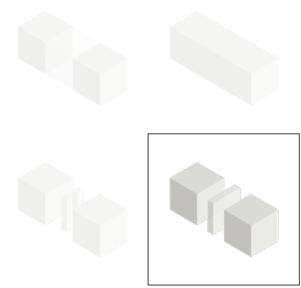
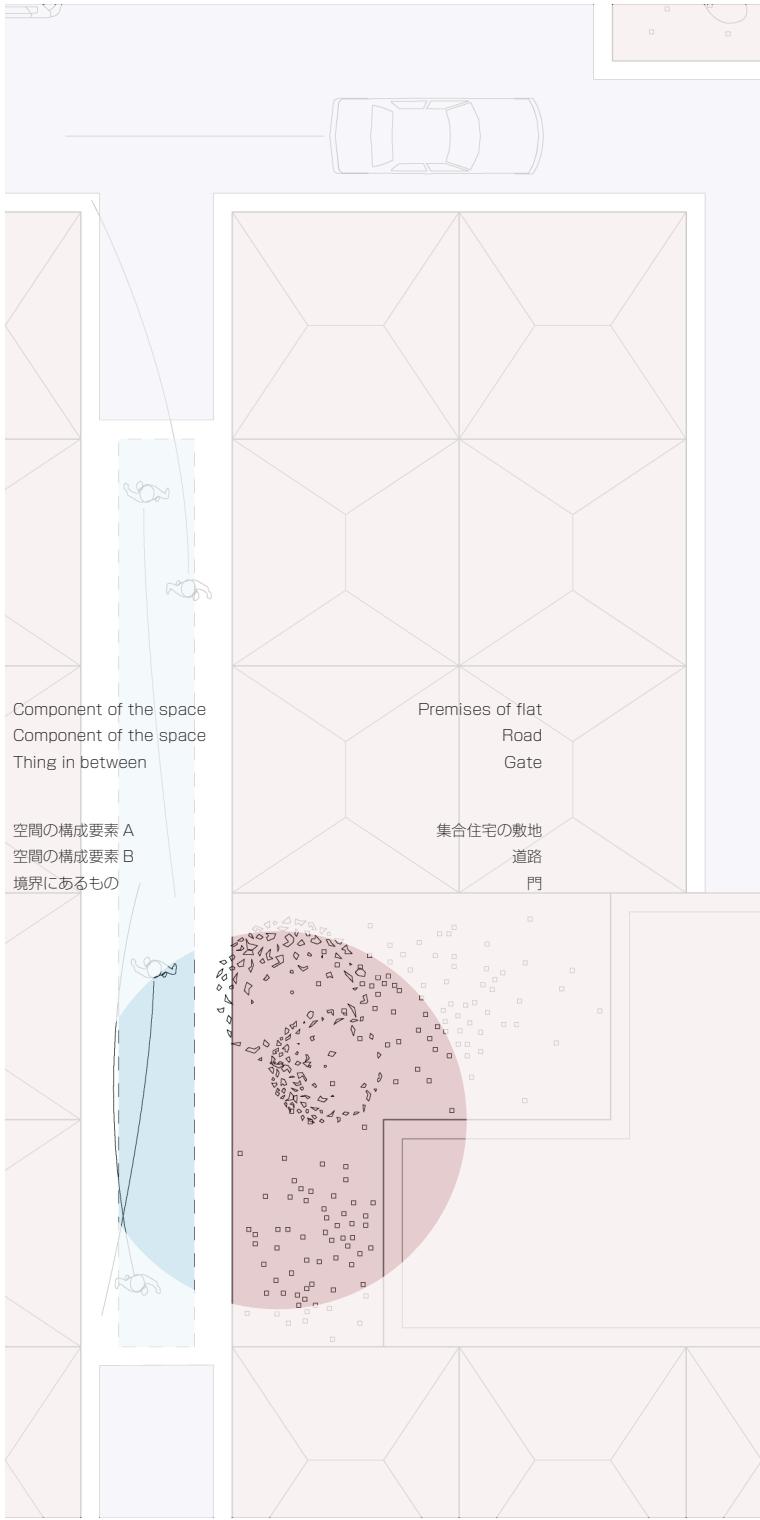
Passing (Car)



# RA07

Tightly control the intrusion of outsiders

部外者の侵入を厳密にコントロールする



No Entry

Visiting Space

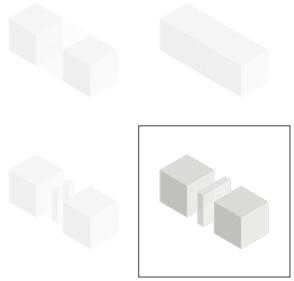
Passing (low density)

Passing (high density)

Passing (Car)

## LPO 1

Do we need a fence to prevent people from entering the park?  
公園への侵入を防ぐ柵は必要なのか



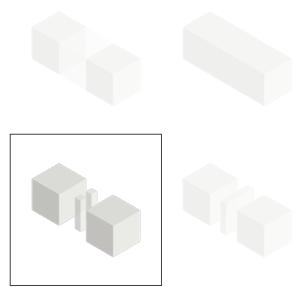
- No Entry
- Visiting Space
- △ Passing (low density)
- Passing (high density)
- Passing (Car)



# RA07

Tightly control the intrusion of outsiders

部外者の侵入を厳密にコントロールする



No Entry

Visiting Space

Passing (low density)

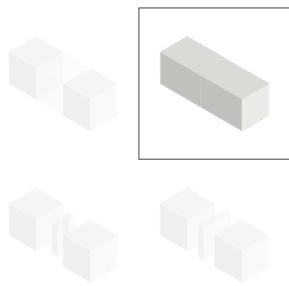
Passing (high density)

Passing (Car)



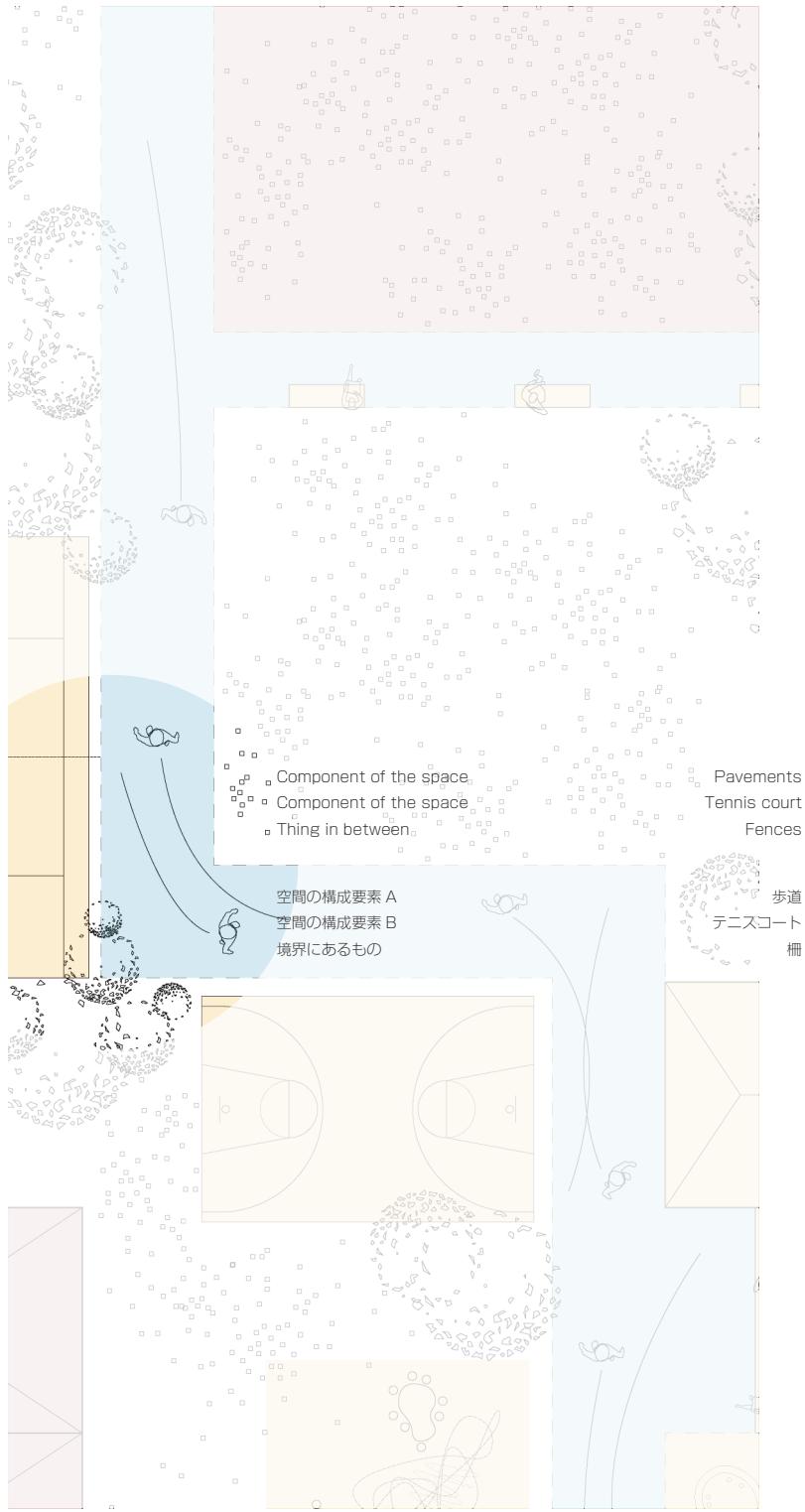
## LPO3

No-entry zones without fences  
柵のない進入禁止区画

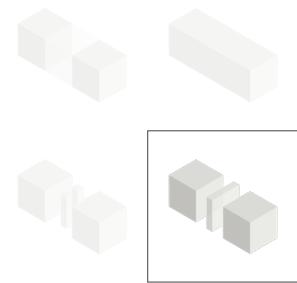


- No Entry
- Visiting Space
- △ Passing (low density)
- Passing (high density)
- ▲ Passing (Car)





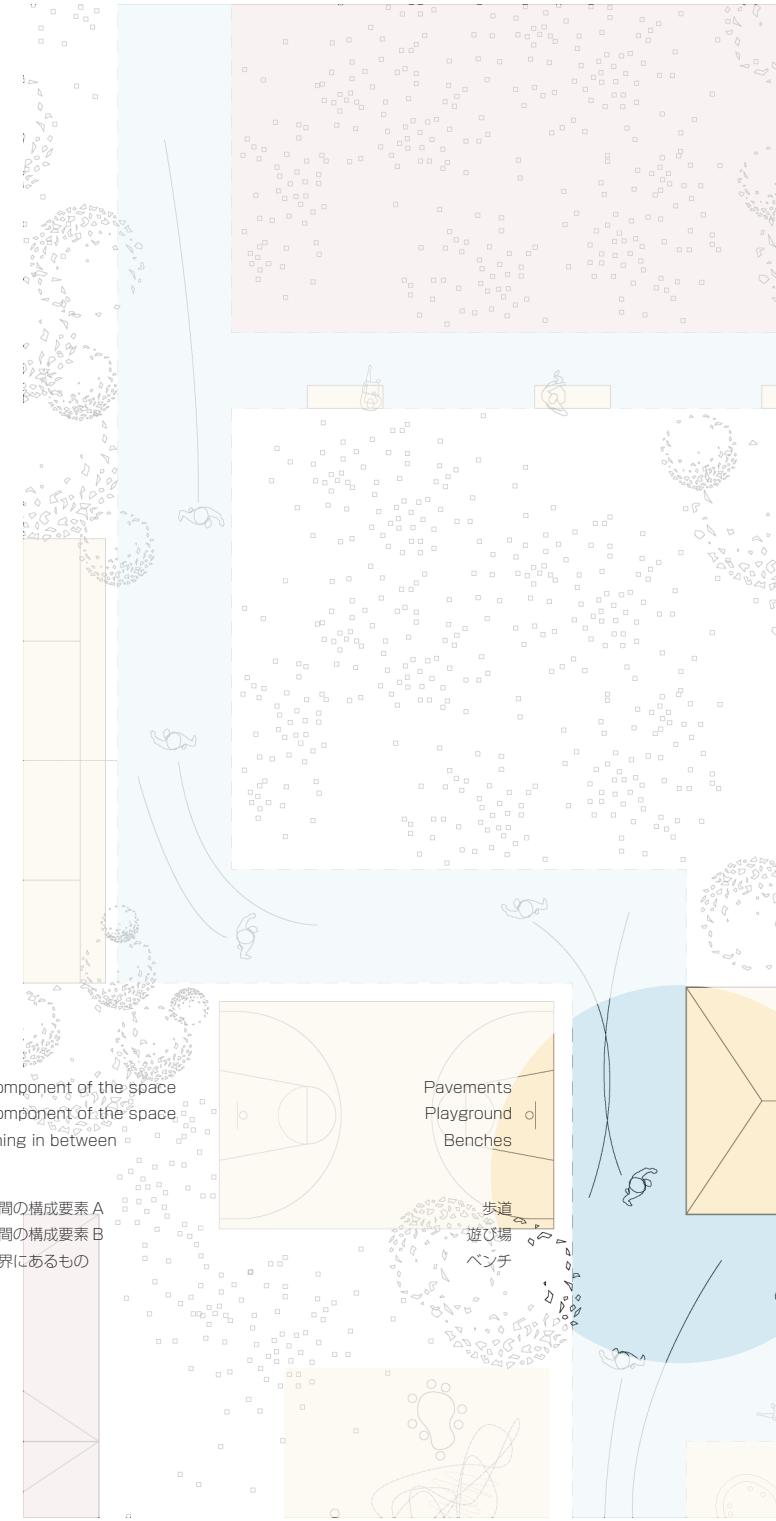
LPO4  
Tennis court  
テニスコート

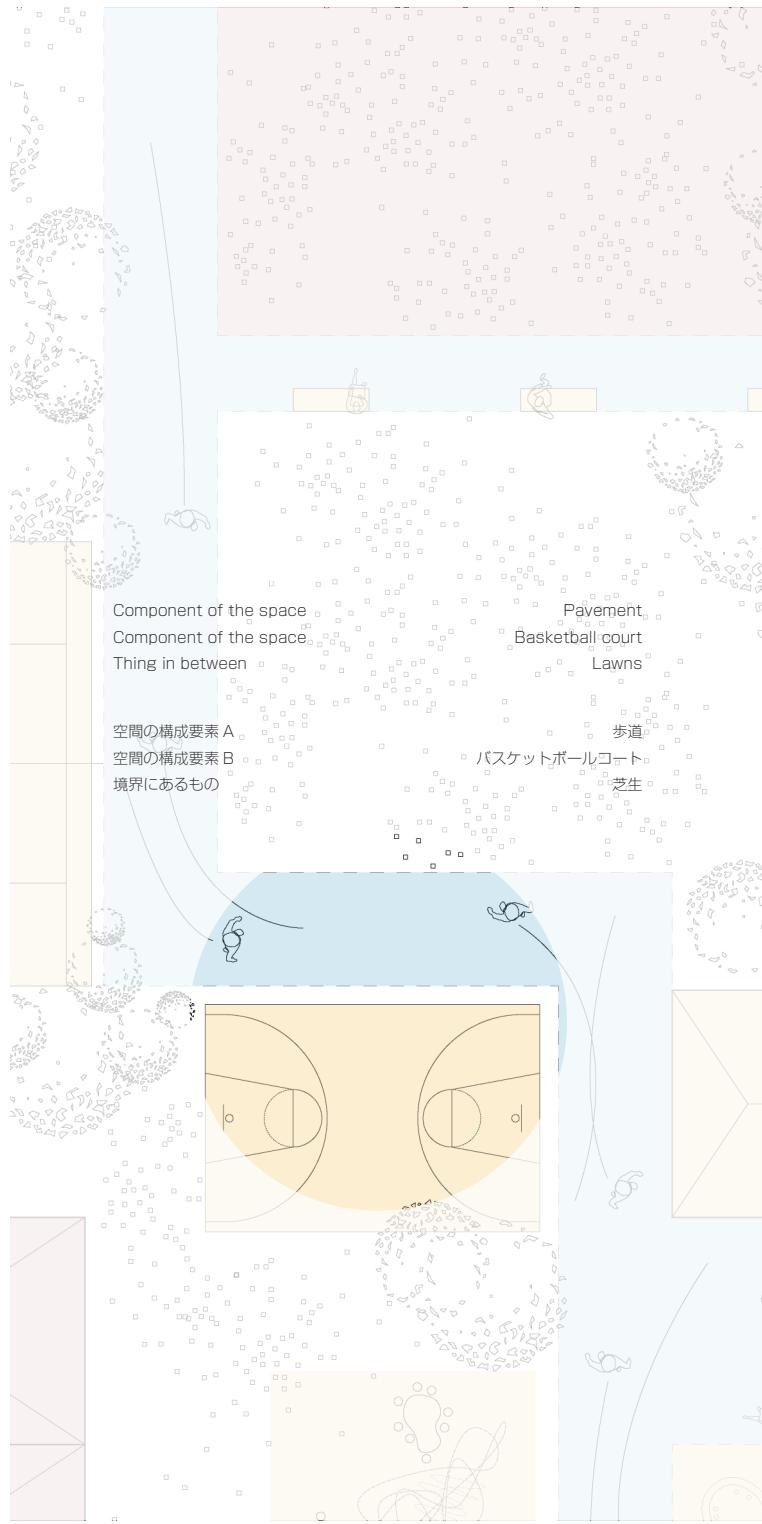


- No Entry
- Visiting Space
- Passing (low density)
- Passing (high density)
- Passing (Car)

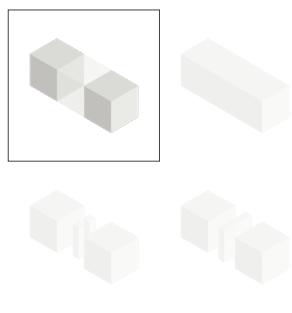
## LP05

Boundary that becomes a bench  
ベンチになる境界





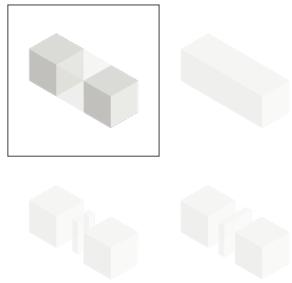
LPO6  
Basketball court  
バスケットボールコート



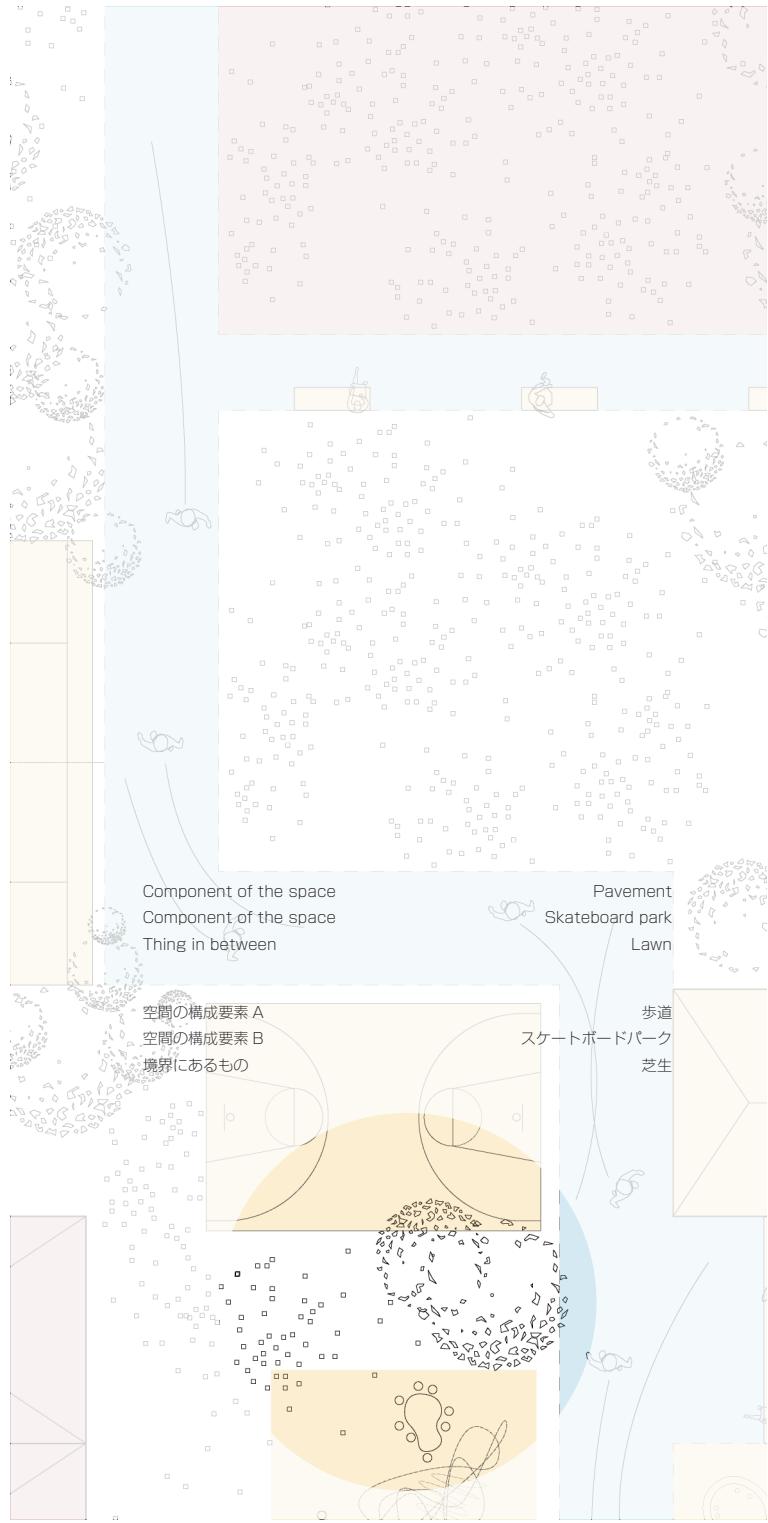
- No Entry
- Visiting Space
- Passing (low density)
- Passing (high density)
- Passing (Car)

LP07

Skateboard park  
スケートボードパーク



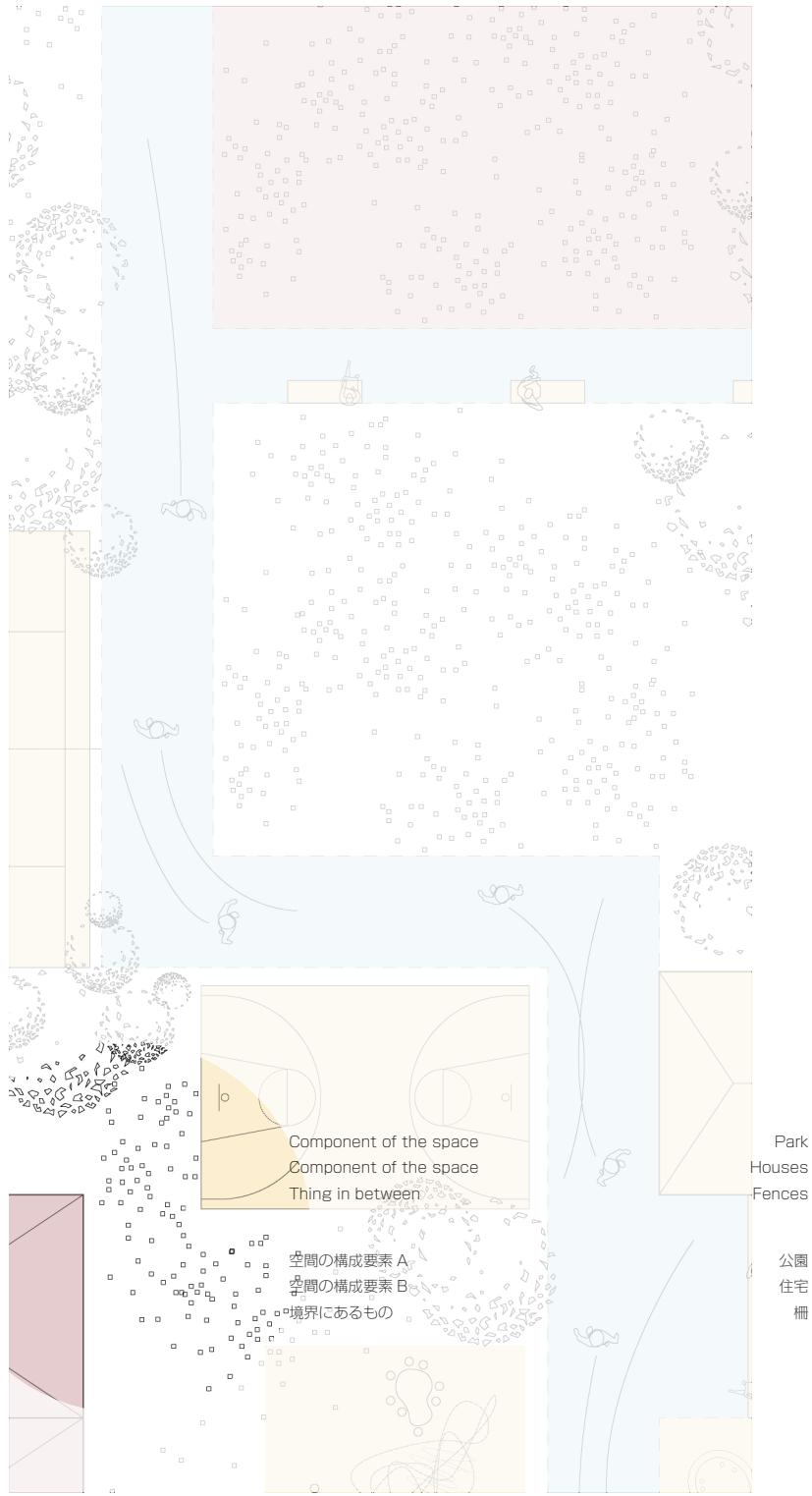
- No Entry
- Visiting Space
- △ Passing (low density)
- Passing (high density)
- Passing (Car)



# LPO8

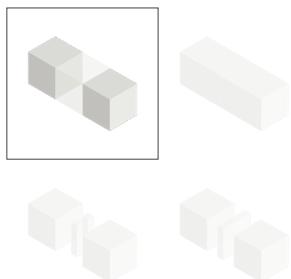
## Parks and private gardens

### 公園と民家の庭

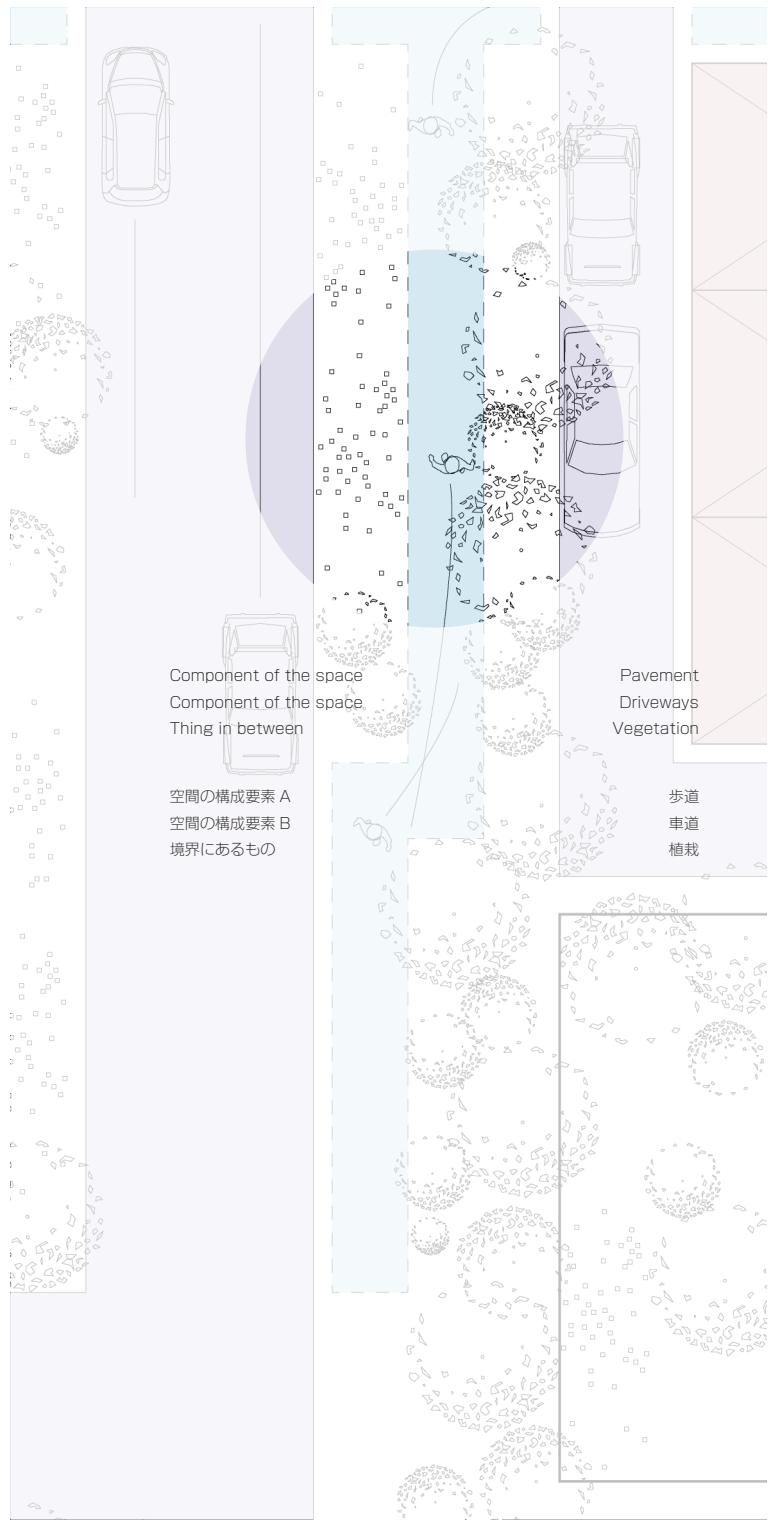


# EFO 1

Space partitioned by plants  
植物が仕切る空間



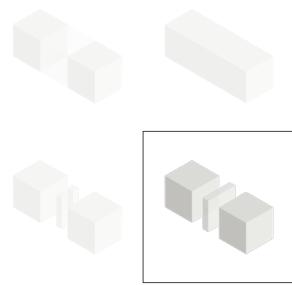
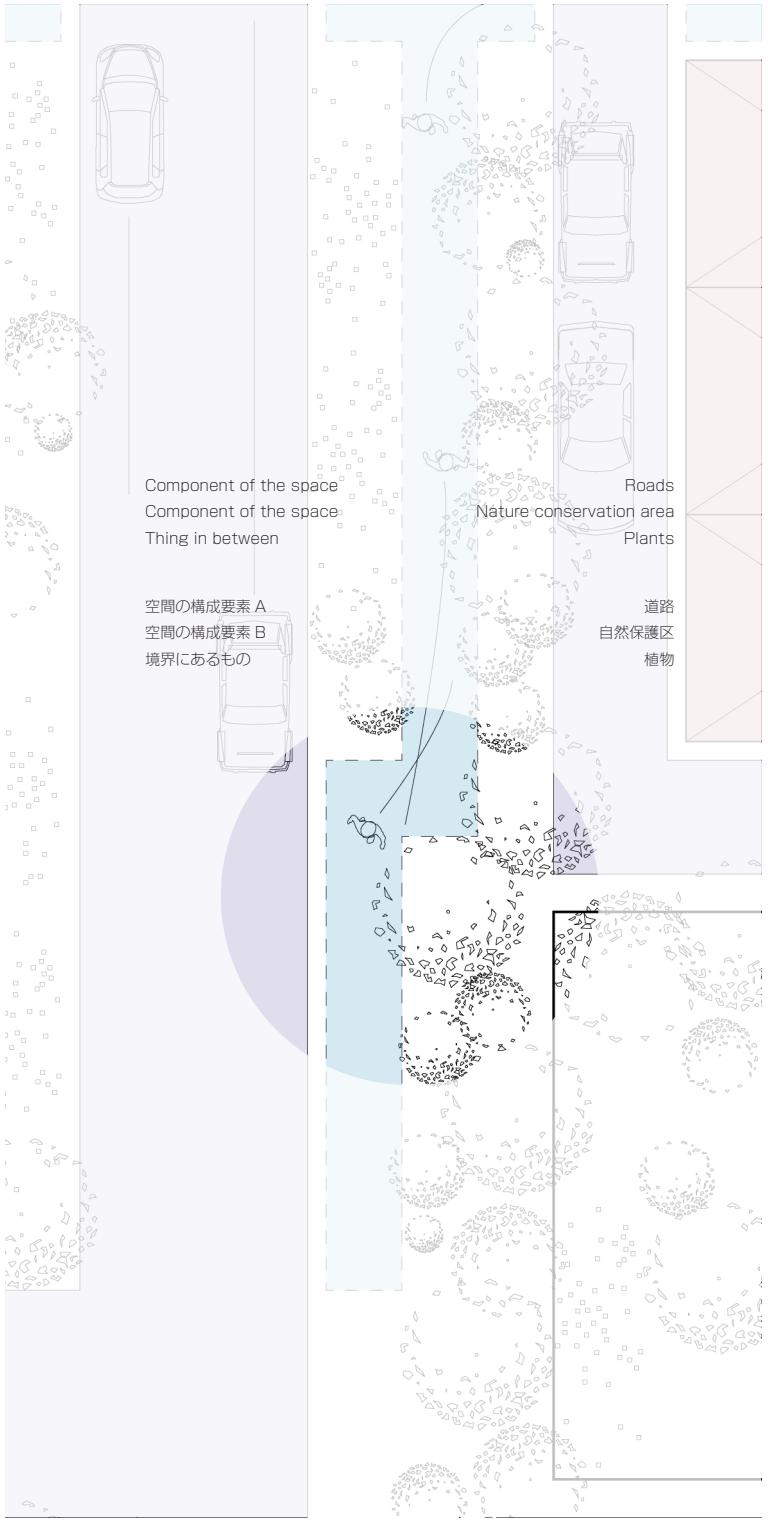
- No Entry
- Visiting Space
- Passing (low density)
- Passing (high density)
- Passing (Car)



# EF02

Bushes around the road

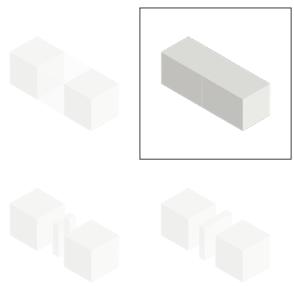
道路の周りの藪



- No Entry
- Visiting Space
- △ Passing (low density)
- Passing (high density)
- Passing (Car)

# EFO3

End of paved road  
舗装路の終わり



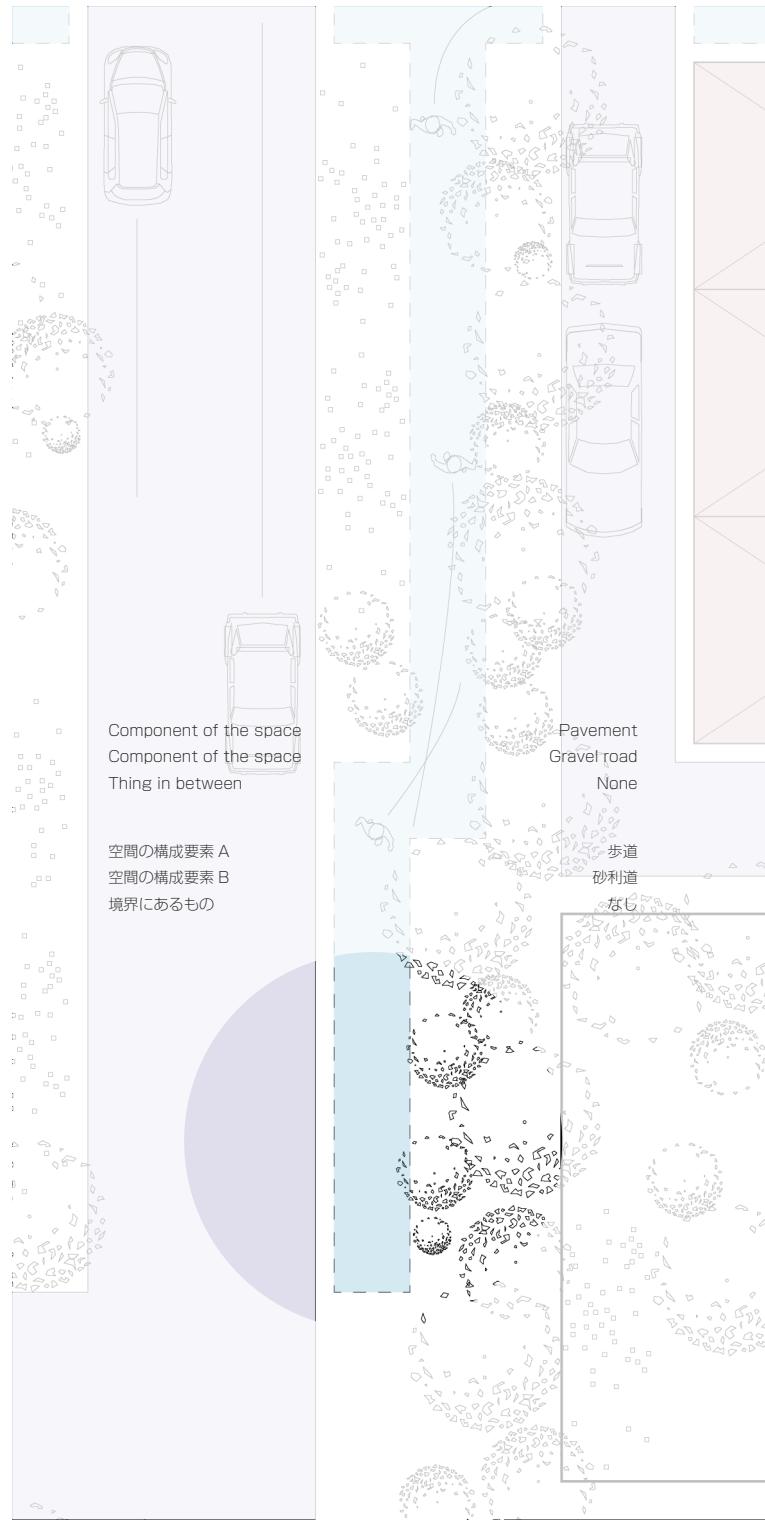
No Entry

Visiting Space

Passing (low density)

Passing (high density)

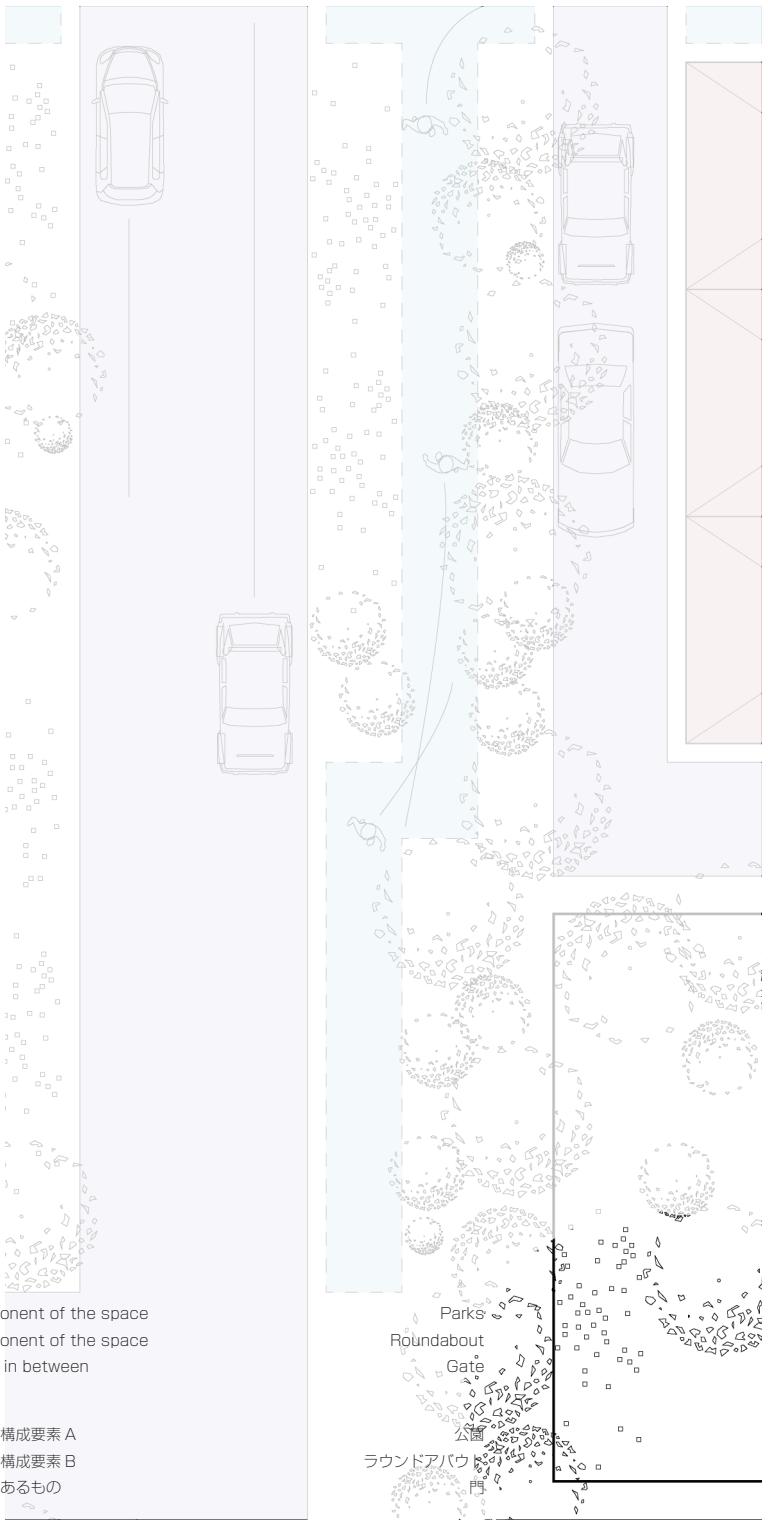
Passing (Car)



# CMO1

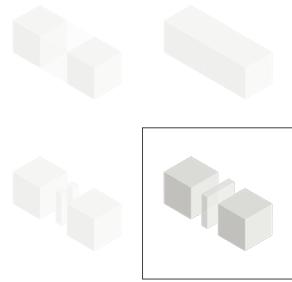
One shot every 90 seconds 2

90秒に一枚撮影 2

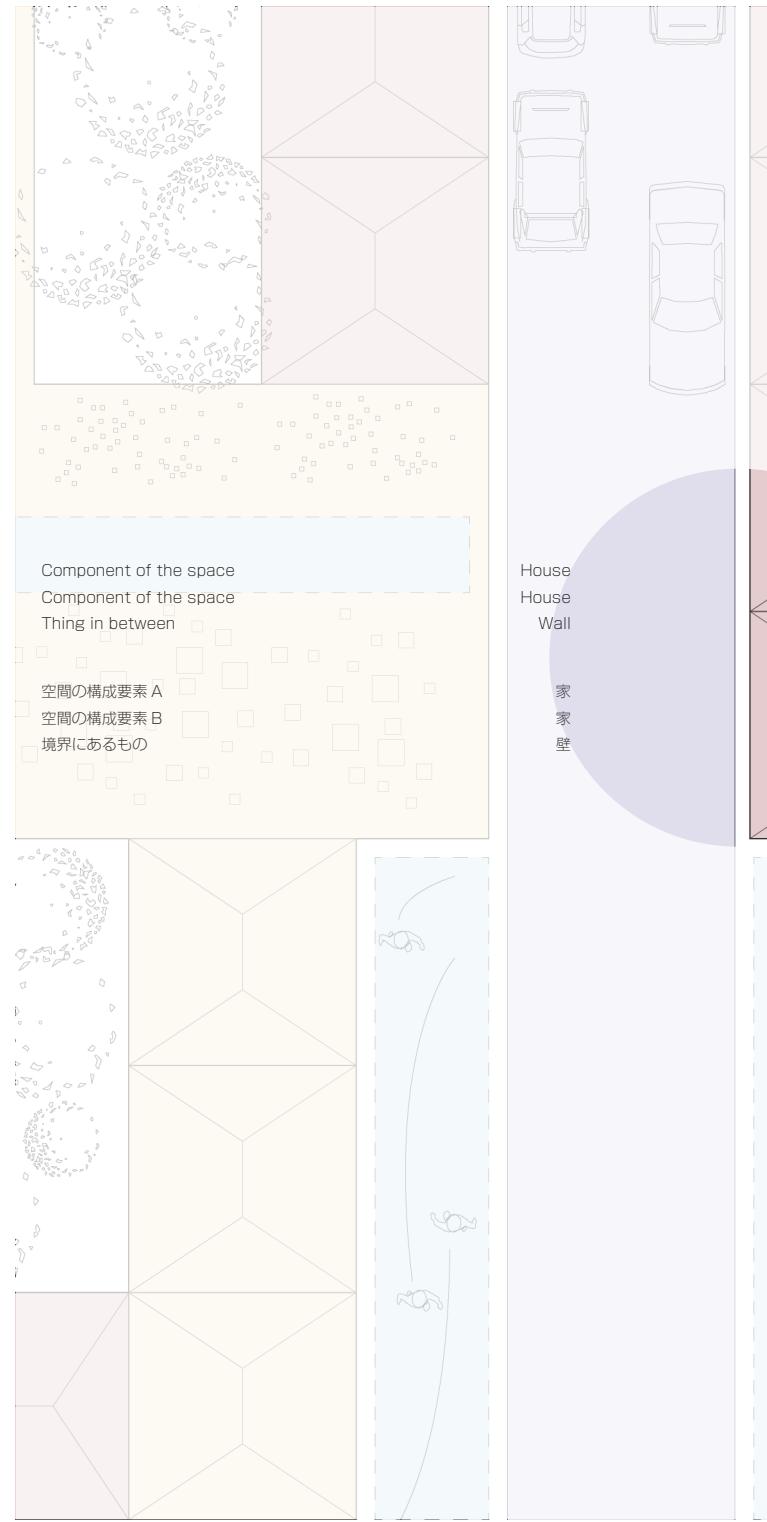


# CMO2

One shot every 90 seconds 5  
90 秒に一枚撮影 5



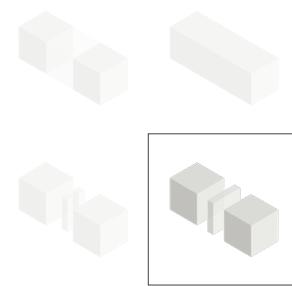
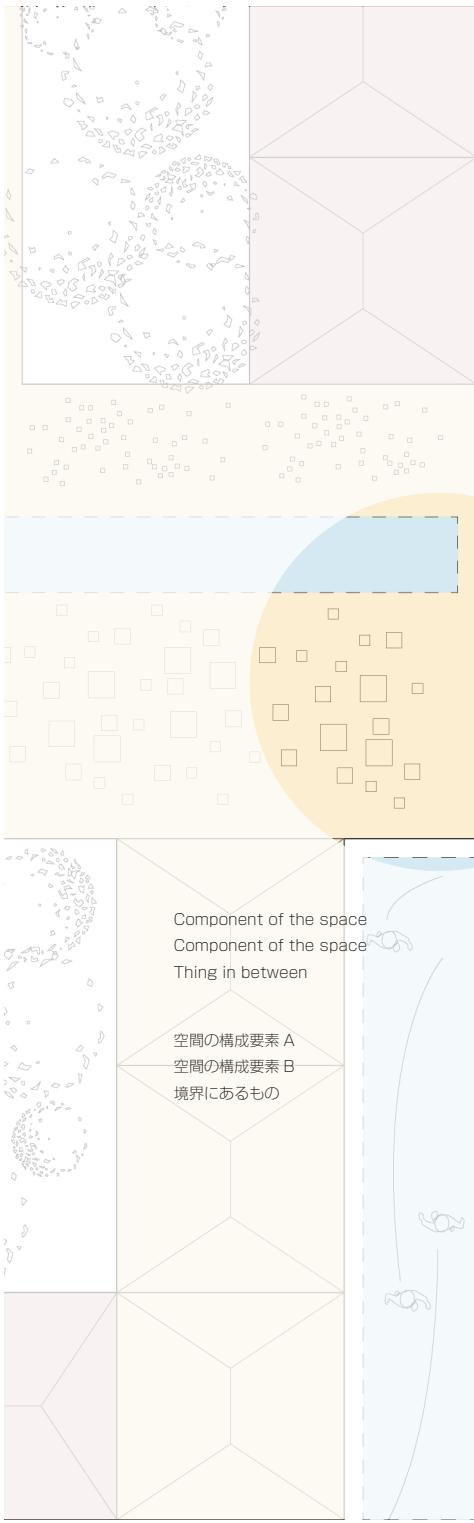
- No Entry
- Visiting Space
- Passing (low density)
- Passing (high density)
- Passing (Car)



CM03

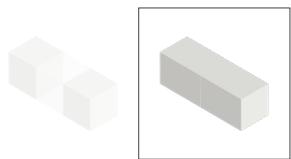
One shot every 90 seconds 6

90秒に一枚撮影 6

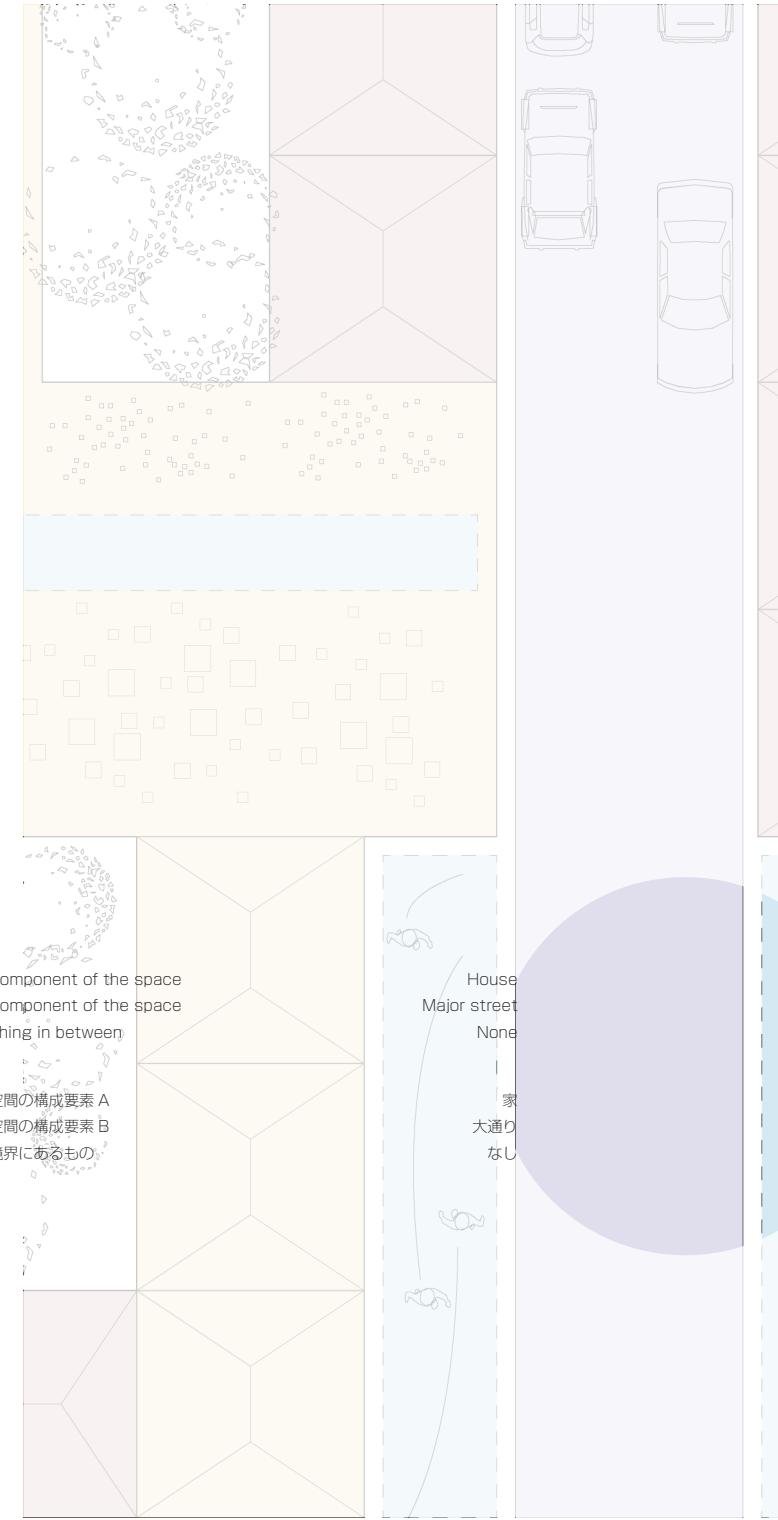


## CM04

One shot every 90 seconds 21  
90秒に一枚撮影 21



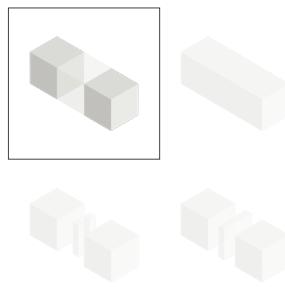
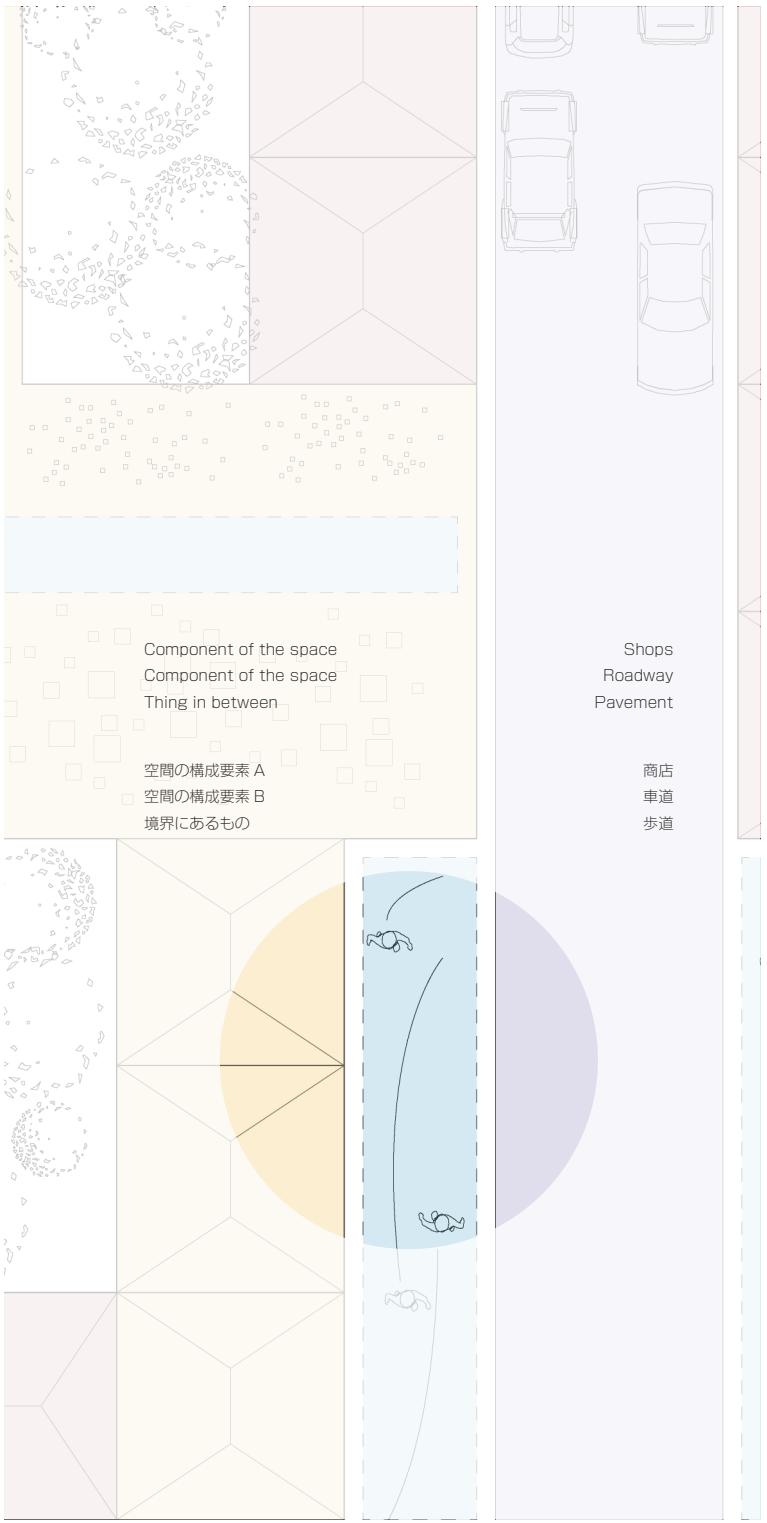
- No Entry
- Visiting Space
- Passing (low density)
- Passing (high density)
- Passing (Car)



CM05

One shot every 90 seconds 22

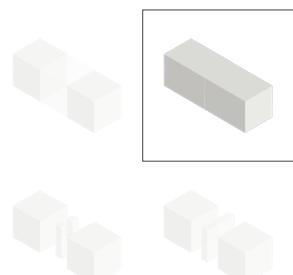
90秒に一枚撮影 22



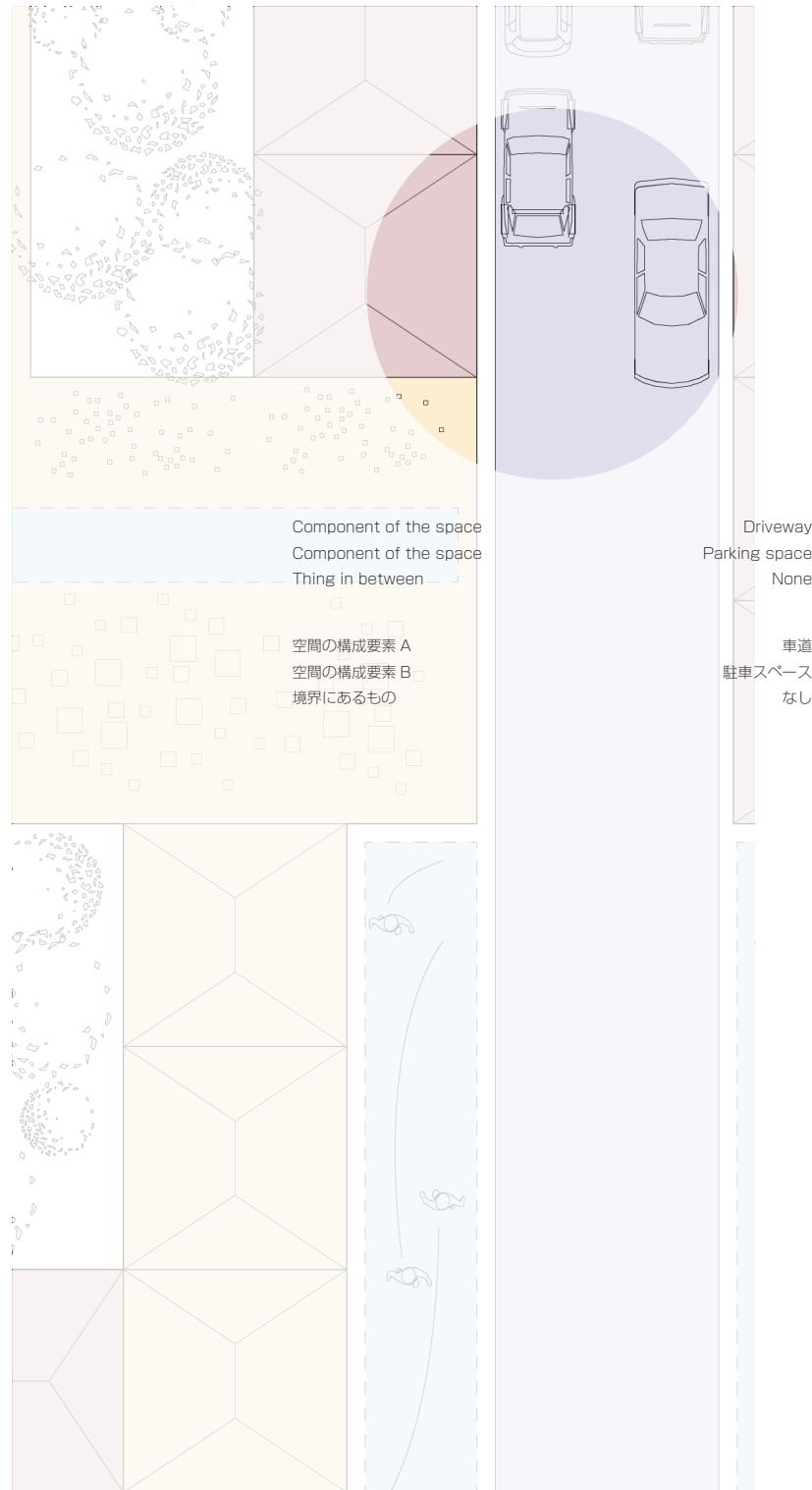
- No Entry
- Visiting Space
- Passing (low density)
- Passing (high density)
- Passing (Car)

# CMO6

One shot every 90 seconds 28  
90秒に一枚撮影 28



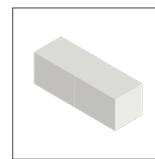
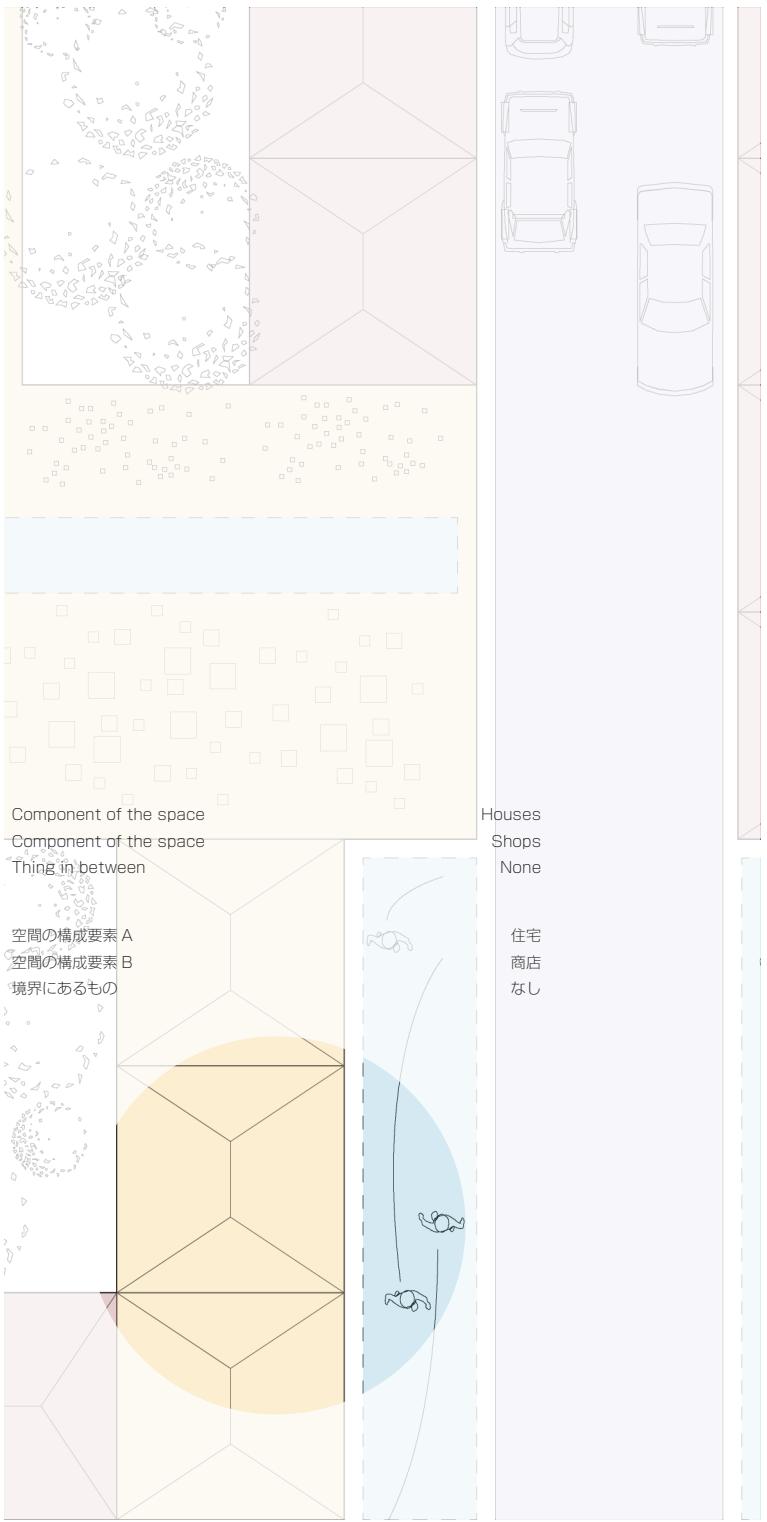
- No Entry
- Visiting Space
- Passing (low density)
- Passing (high density)
- Passing (Car)



# LC01

Commercial that blends in with the residence

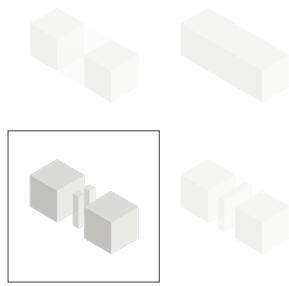
住居に溶け込む商業



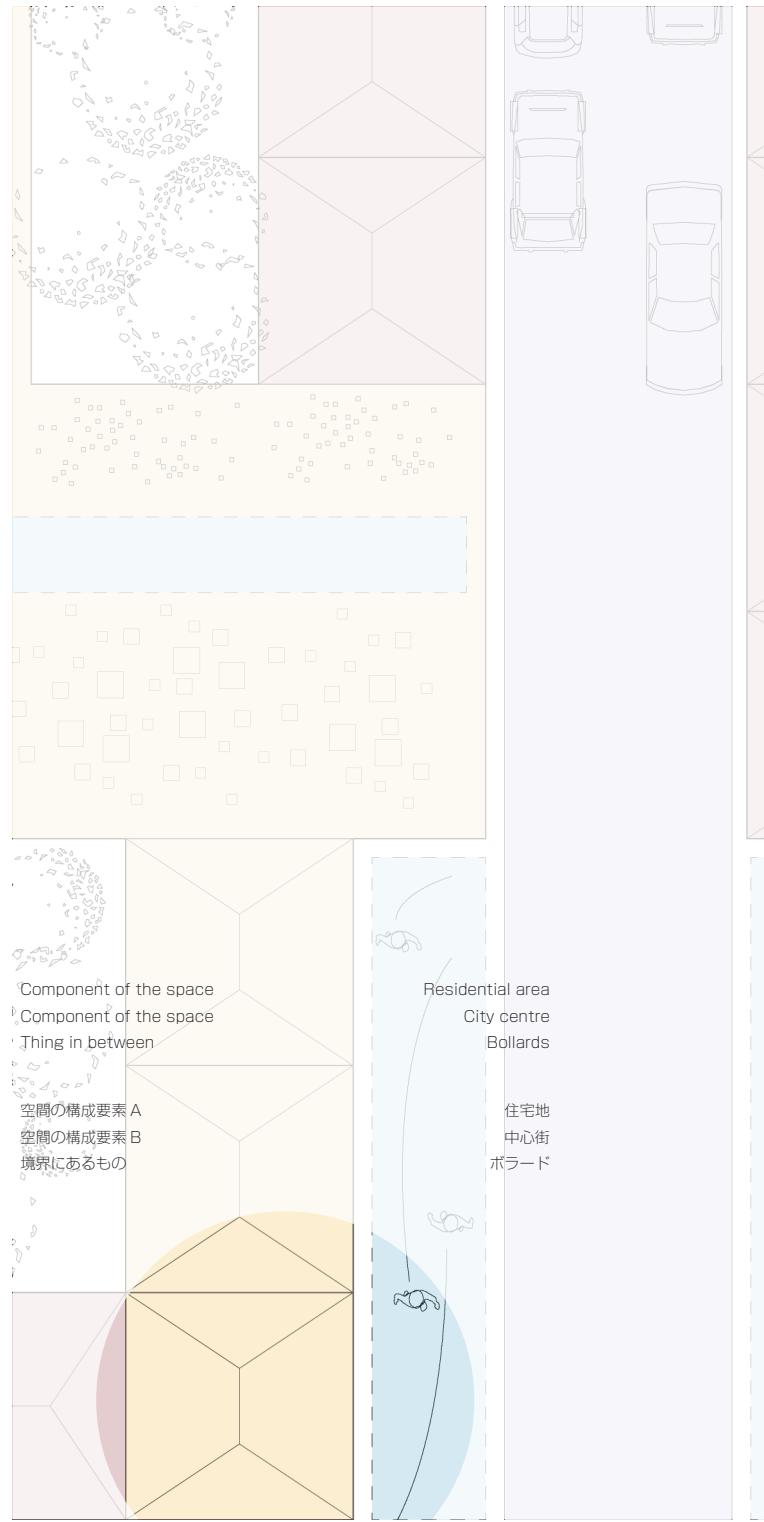
- No Entry
- Visiting Space
- △ Passing (low density)
- Passing (high density)
- ▲ Passing (Car)

## LC02

Controlled intrusion into residential areas  
住宅地への侵入を制御している



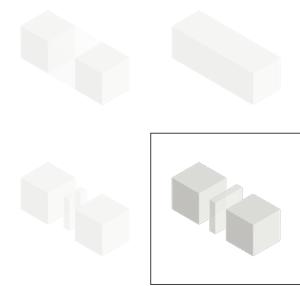
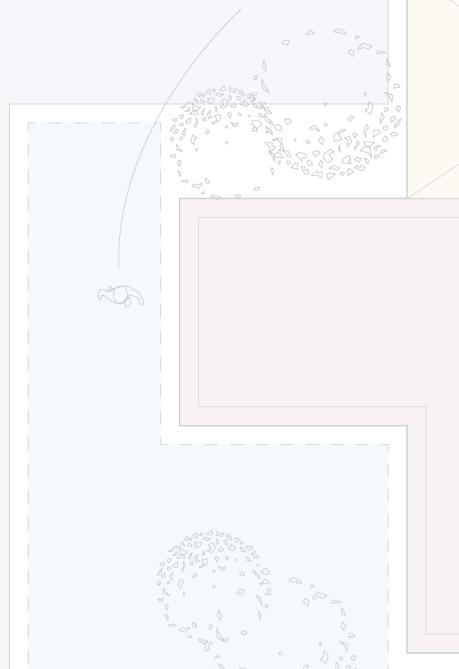
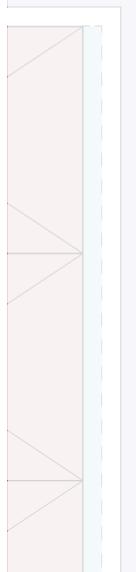
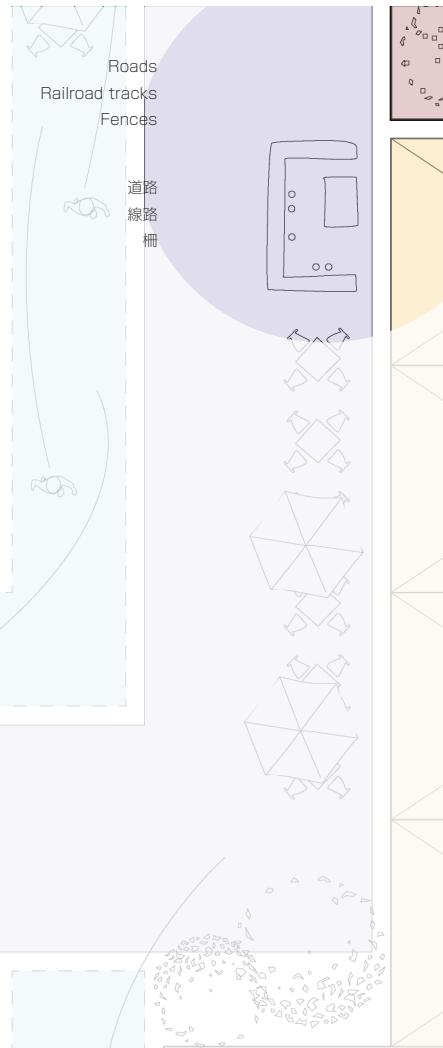
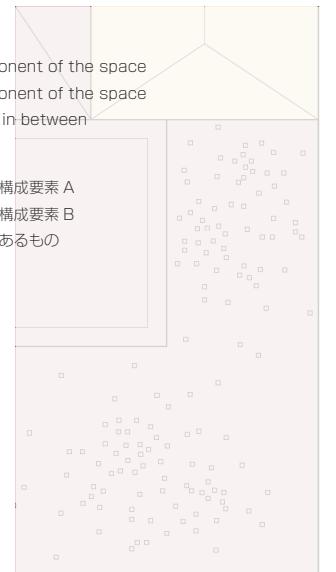
- No Entry
- Visiting Space
- Passing (low density)
- Passing (high density)
- Passing (Car)



# LC03

Railroad safety fence

鉄道の安全確保のための柵



No Entry

Visiting Space

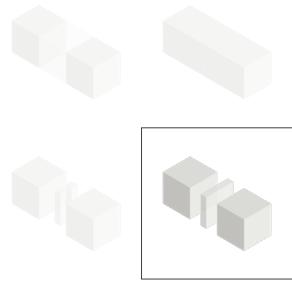
Passing (low density)

Passing (high density)

Passing (Car)

## LC04

Plazas and fences  
広場を仕切る柵



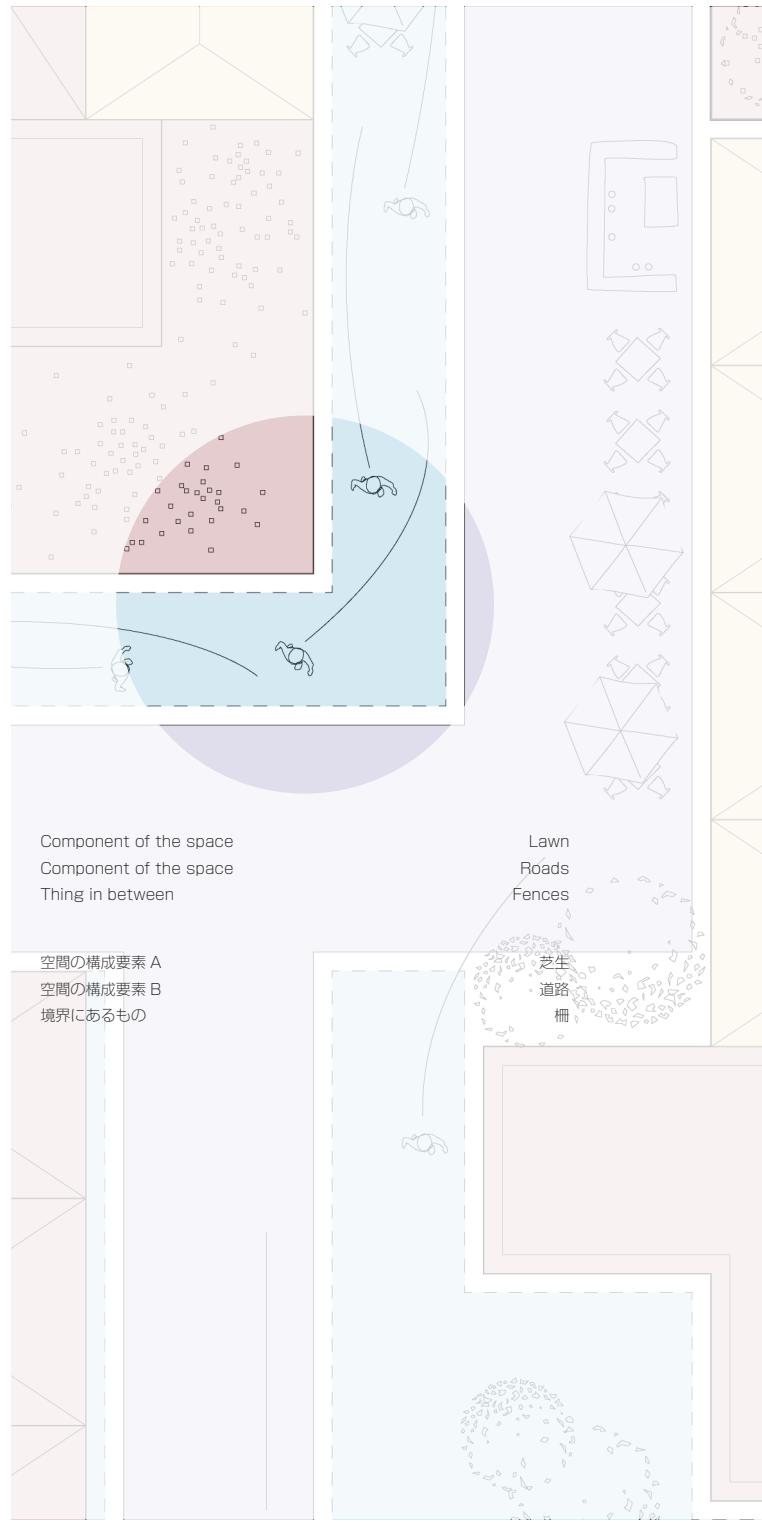
No Entry

Visiting Space

Passing (low density)

Passing (high density)

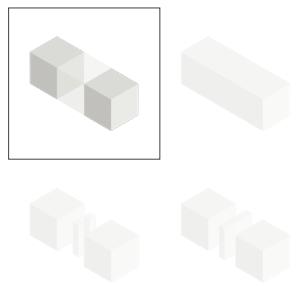
Passing (Car)



# LC05

Outdoor seating overhanging the pavement

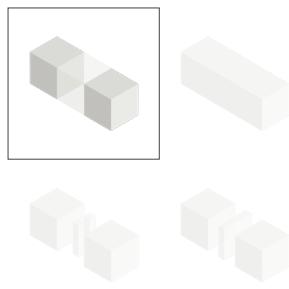
歩道にはみ出る屋外席



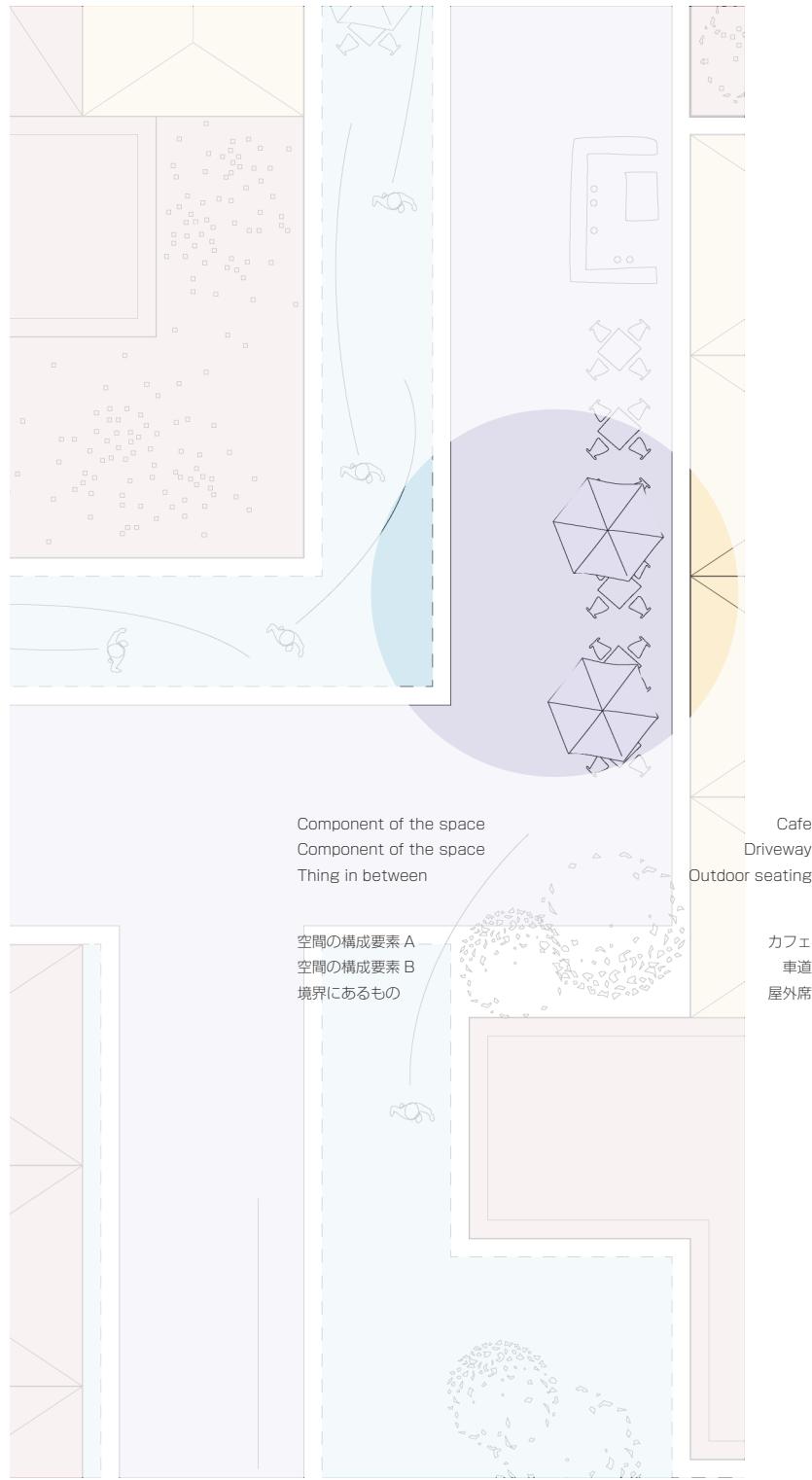
- No Entry
- Visiting Space
- △ Passing (low density)
- Passing (high density)
- ▲ Passing (Car)

## LC06

Outdoor seating overhanging the roadway  
車道にはみ出る屋外席



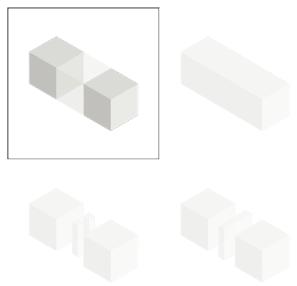
- No Entry
- Visiting Space
- △ Passing (low density)
- Passing (high density)
- Passing (Car)



# HSO1

Wide pavements in front of new development

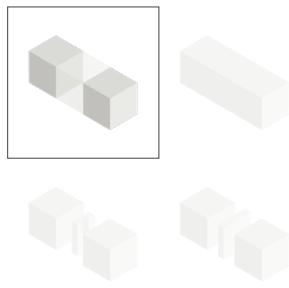
新しい開発の前は歩道が広い



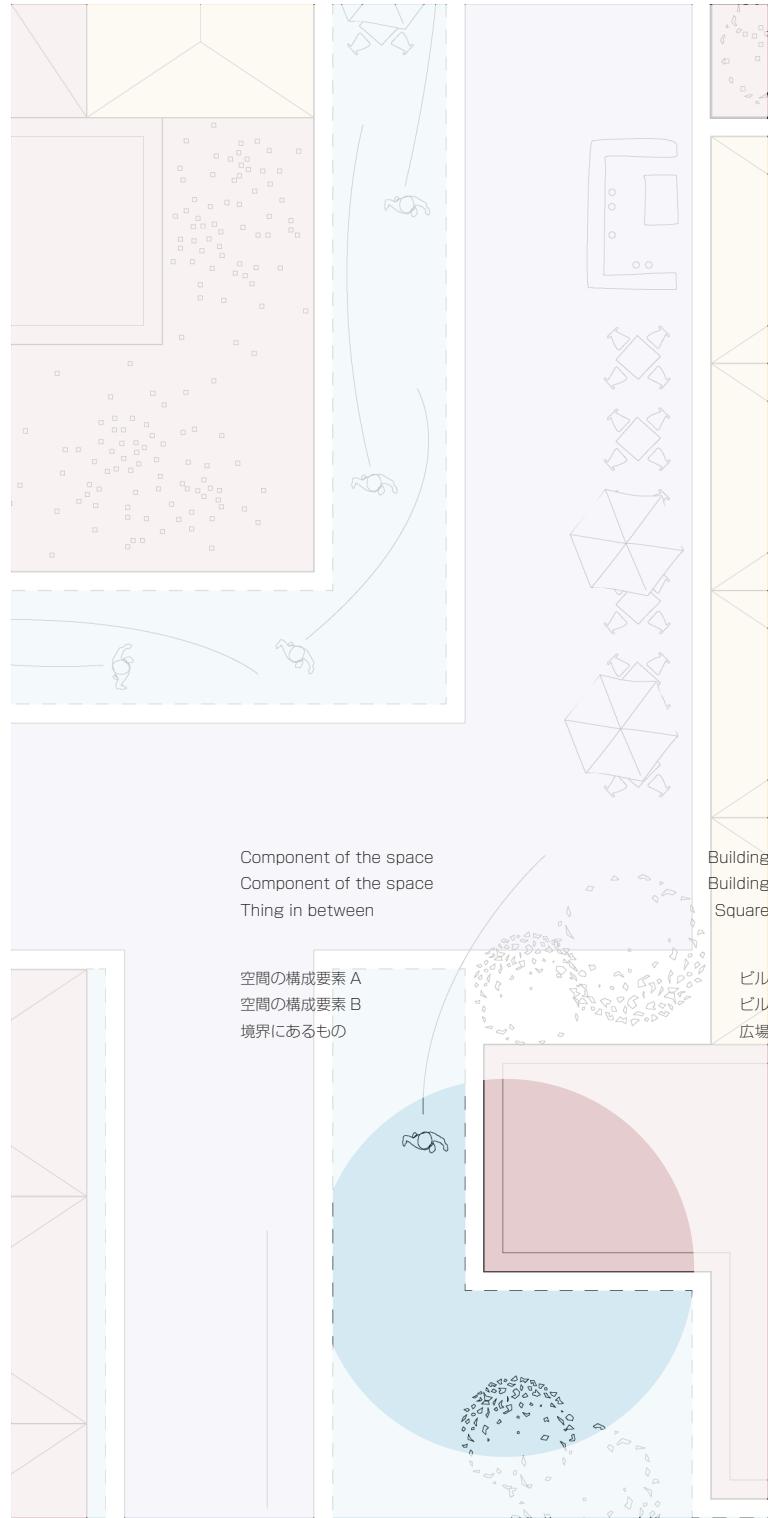
- No Entry
- Visiting Space
- Passing (low density)
- Passing (high density)
- Passing (Car)

## HS02

What are the spaces between housing complexes for?  
集合住宅の合間の空間は何のためのものなのか

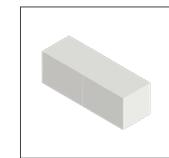
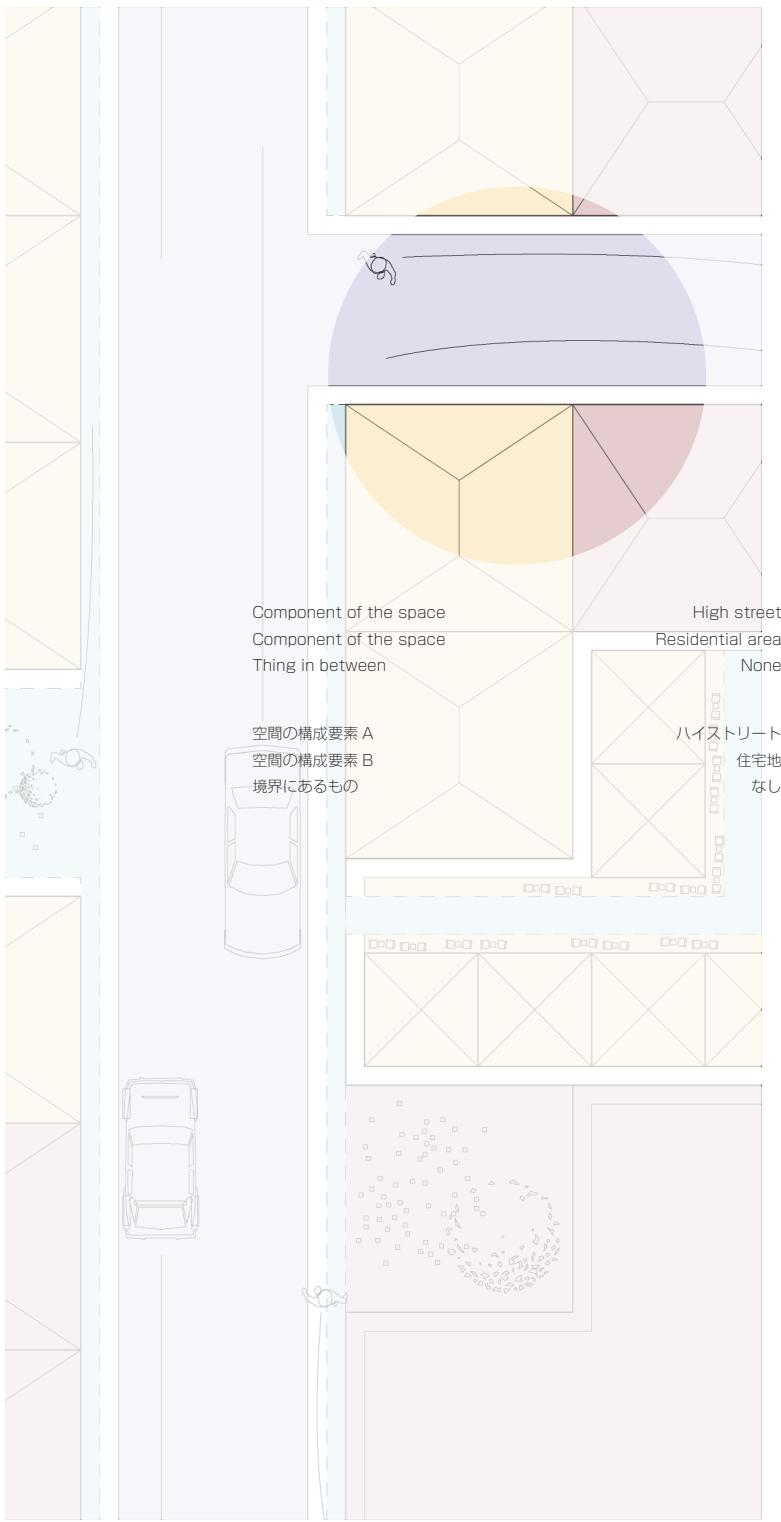


- No Entry
- Visiting Space
- Passing (low density)
- Passing (high density)
- Passing (Car)



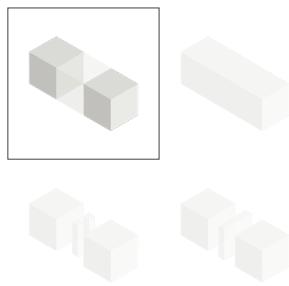
# HS03

Residential area just behind the busy street  
賑やかな通りのすぐ裏は住宅地

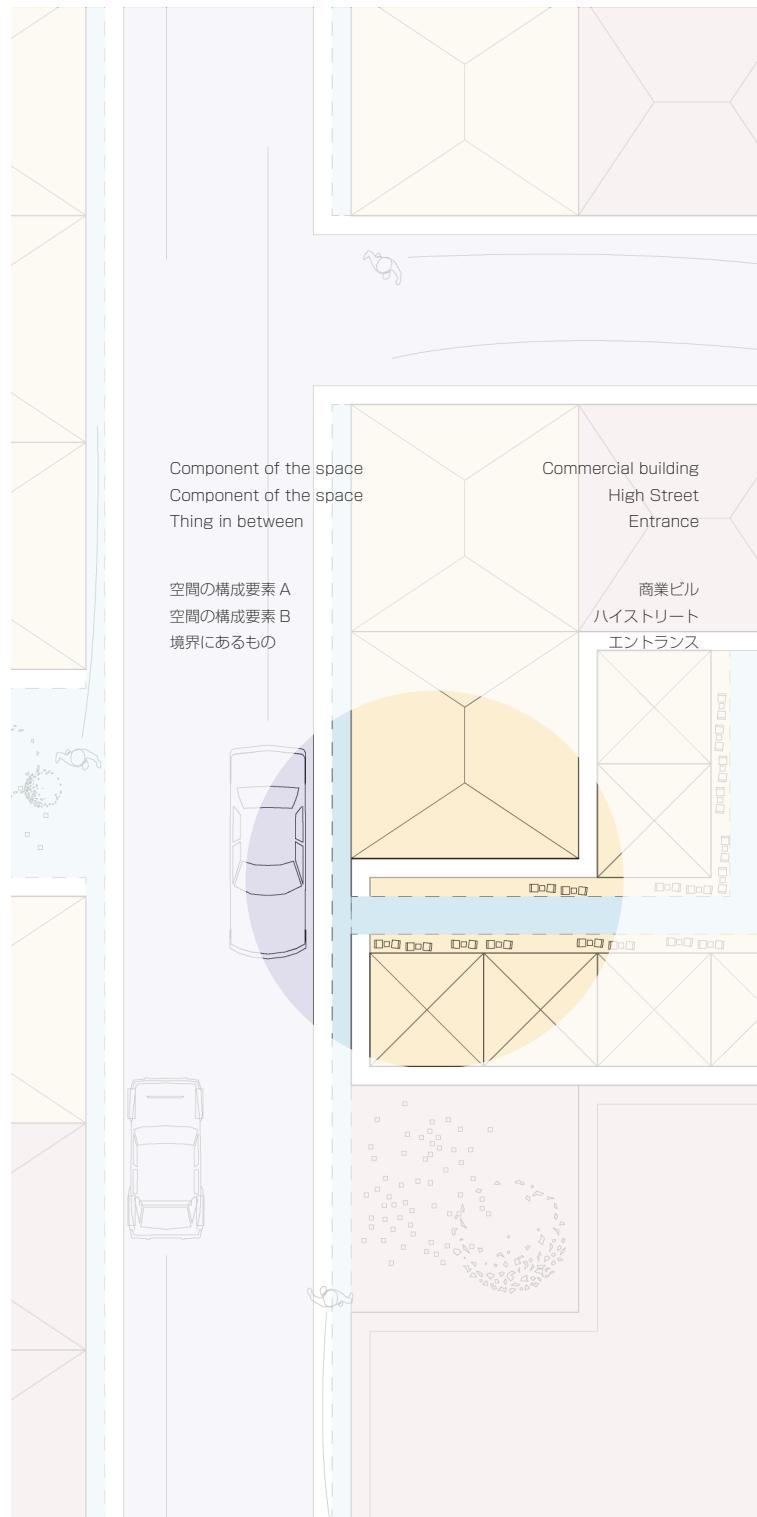


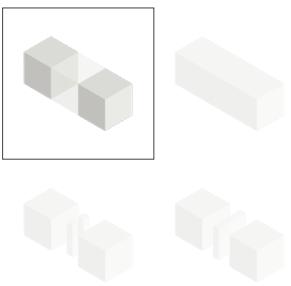
# HS04

Small commercial area within a commercial area  
商業地の中にある小さな商業地



- No Entry
- Visiting Space
- Passing (low density)
- Passing (high density)
- Passing (Car)

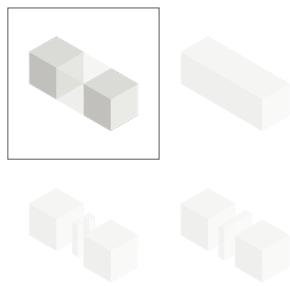




- No Entry
- Visiting Space
- △ Passing (low density)
- Passing (high density)
- ▲ Passing (Car)

## HS06

Provide margins on the site  
敷地に余白を設ける



- No Entry
- Visiting Space
- Passing (low density)
- Passing (high density)
- Passing (Car)



# HS07

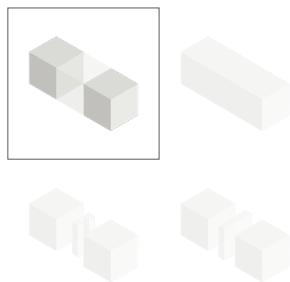
The meaning of having a safety fence only on this pavement

この歩道だけ安全柵を設ける意味とは

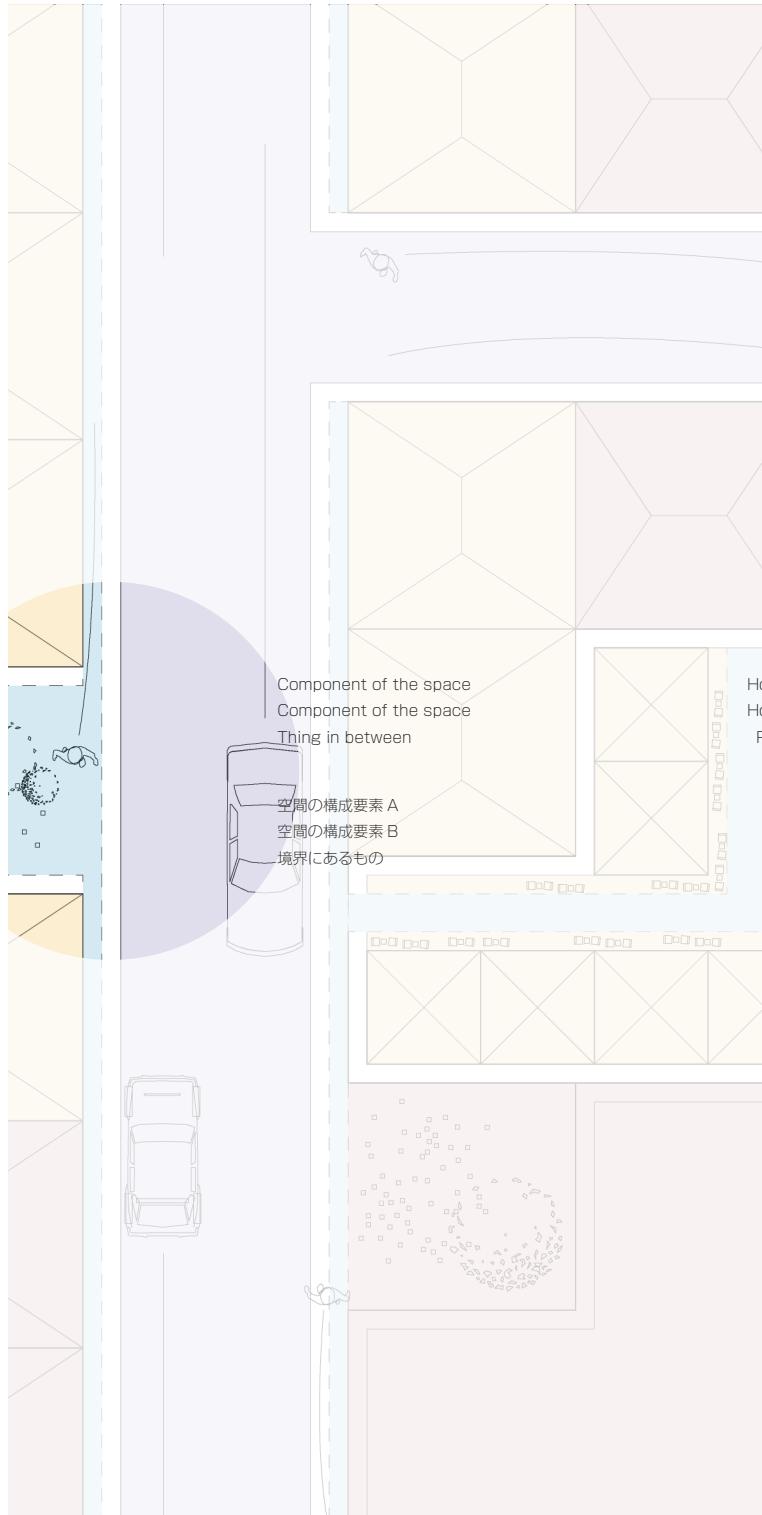


# LV01

What is the space for?  
何のための空間なのか



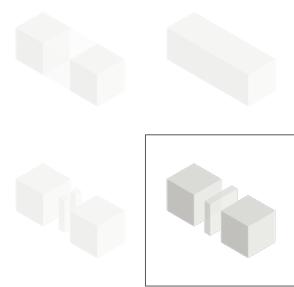
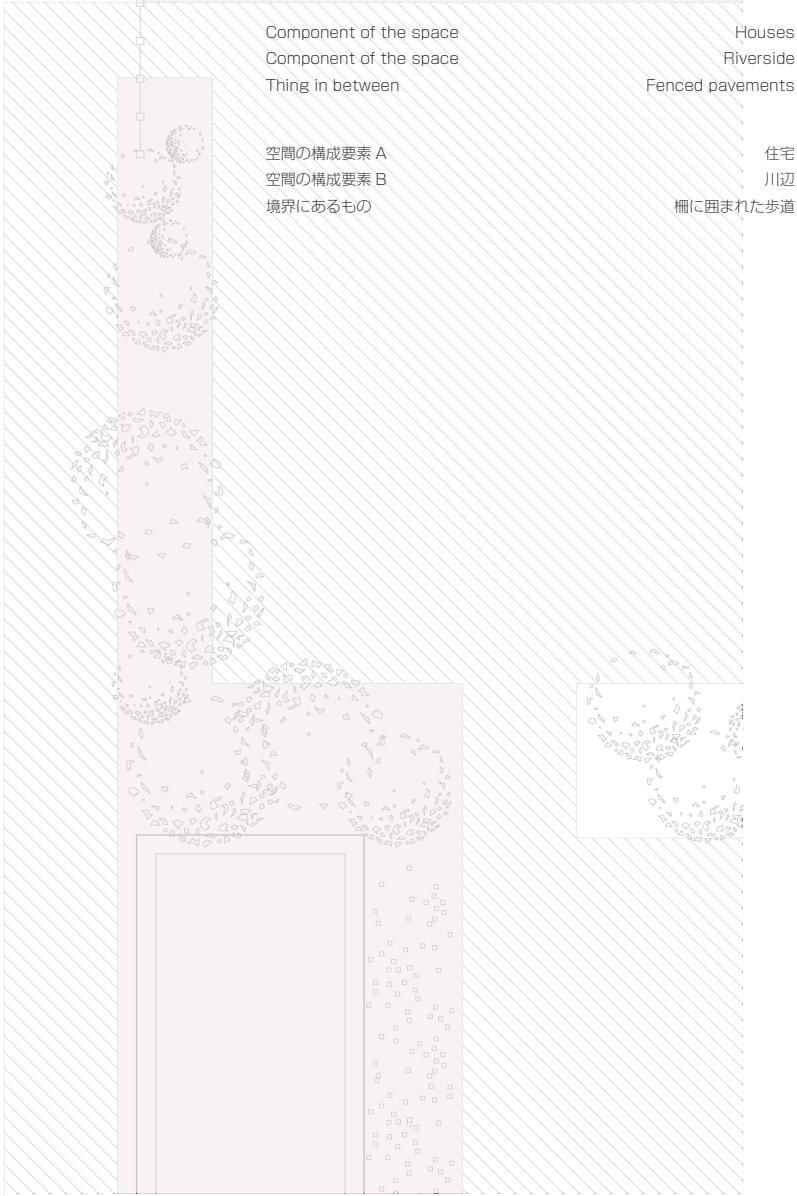
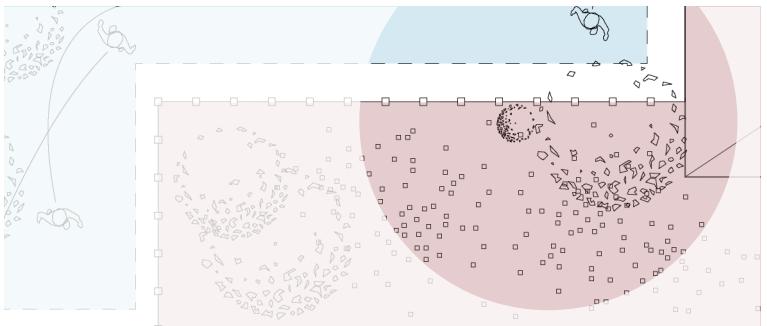
- No Entry
- Visiting Space
- Passing (low density)
- Passing (high density)
- Passing (Car)



# LV02

Claustrophobic feeling of being surrounded by fences

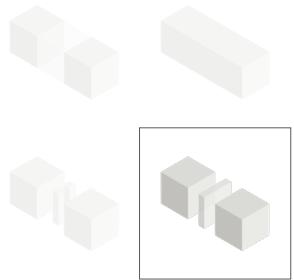
柵に囲まれる閉塞感



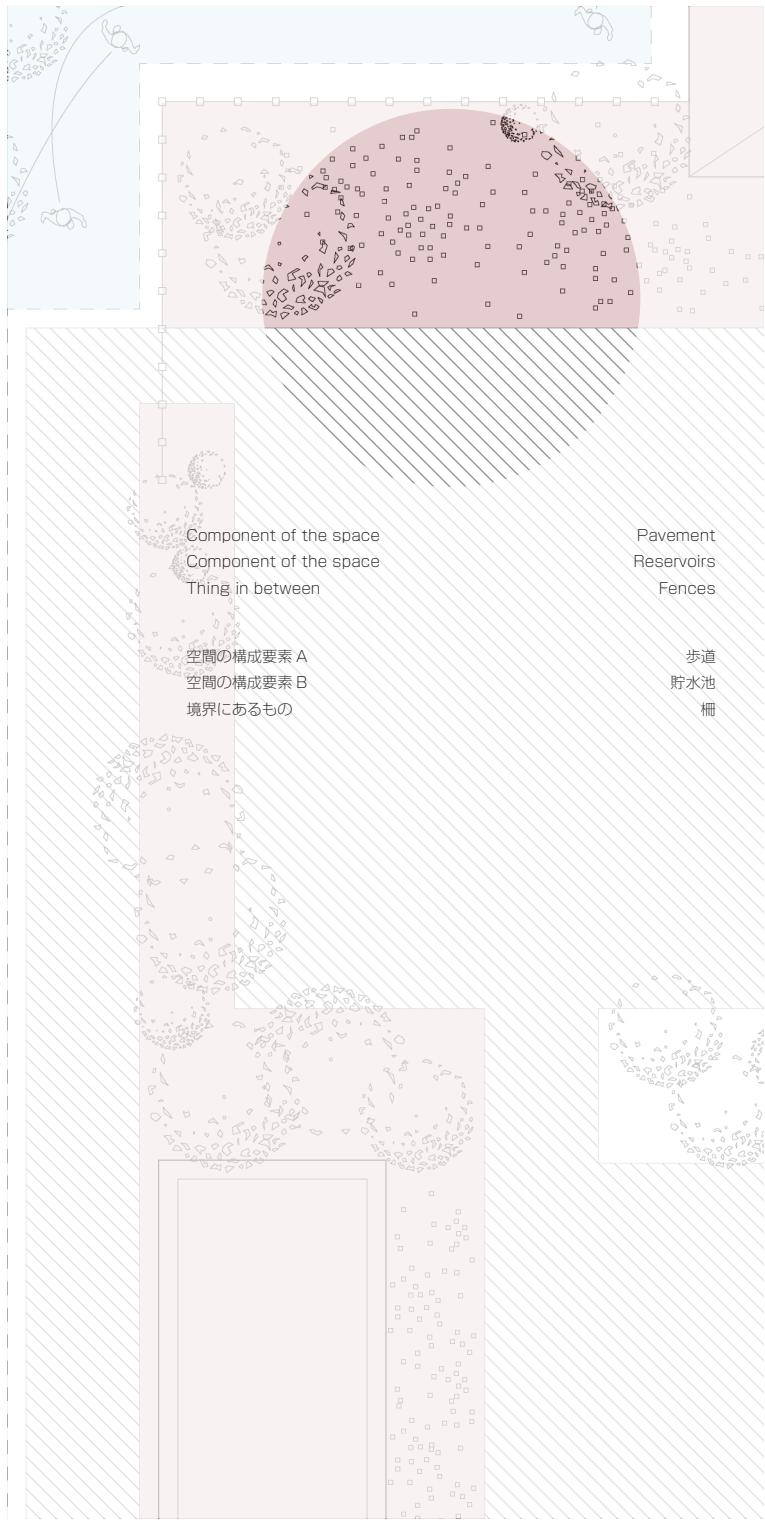
- No Entry
- Visiting Space
- △ Passing (low density)
- Passing (high density)
- ▲ Passing (Car)

# LV03

Fences to prevent entry into reservoir  
貯水池への侵入を防ぐ柵

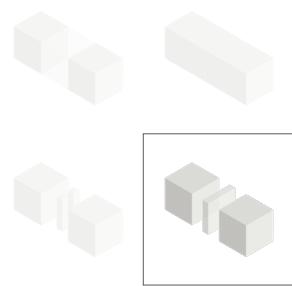
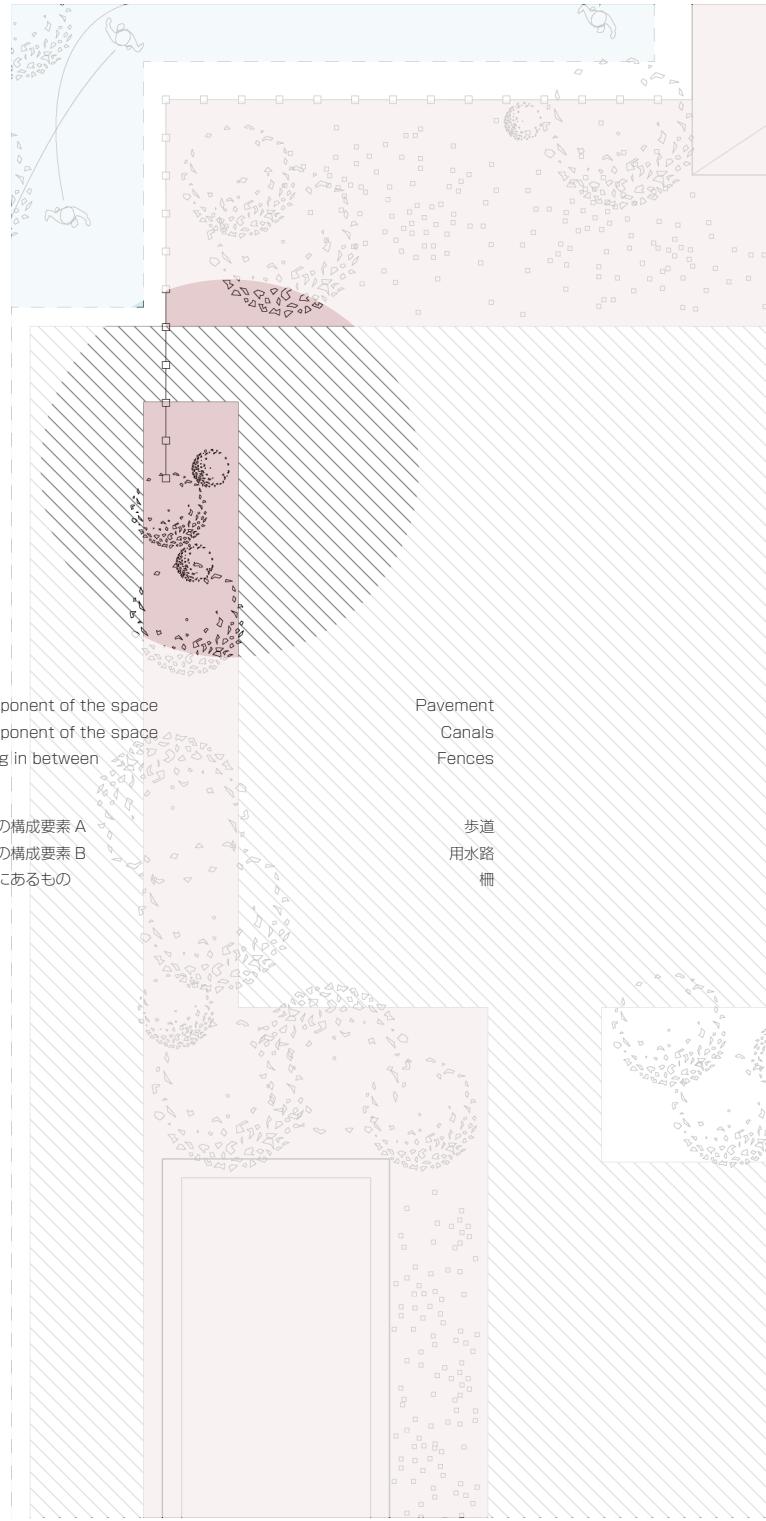


- No Entry
- Visiting Space
- Passing (low density)
- Passing (high density)
- Passing (Car)



## LV04

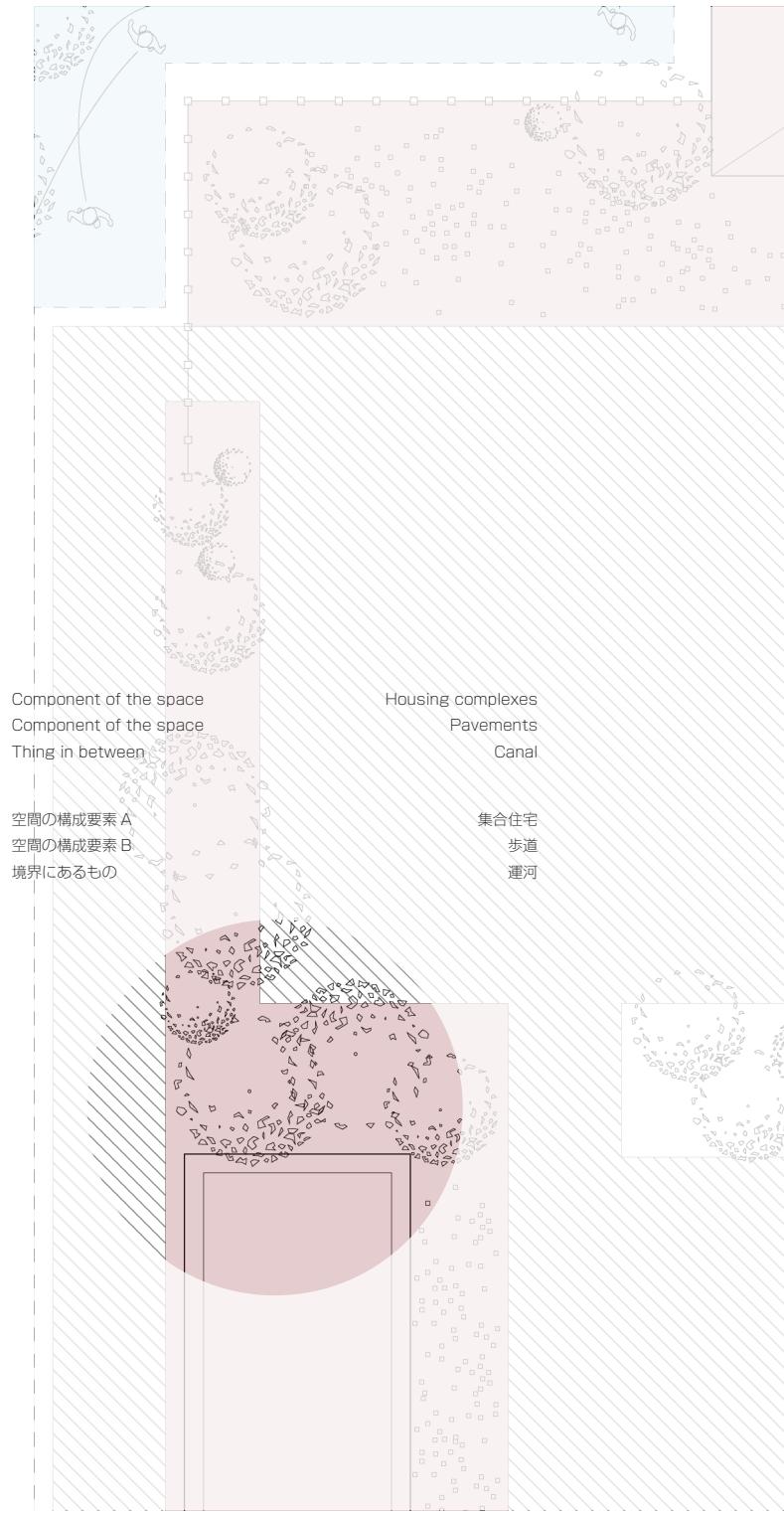
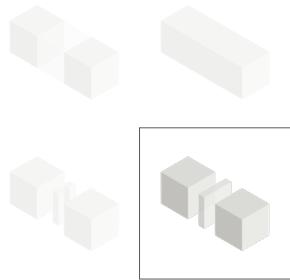
Entry into the waterway is strictly controlled  
用水路への侵入は厳重に管理されている



- No Entry
- Visiting Space
- △ Passing (low density)
- Passing (high density)
- ▲ Passing (Car)

# LV05

Small houses and enormous houses  
小さな住居と巨大な住居







# Analysis

The Space Between  
: Testing care through the buffer zone

Architectural Association School of Architecture  
Intermediate Programme  
Unit 2

Yuki Tohori

# Classification of Urban Spaces

## Passing space and Visiting space

In order to analyse buffer zones in cities, it is necessary to start with the classification of urban spaces.

This is because buffer zones are created in spaces between spaces with different elements, so the classification of urban spaces has an important role to play in analysing buffer zones in cities.

Urban space is a collection of spaces and buildings with different uses, so it can be classified according to various scales, however, I focus here on one of the key elements of buffer zones: whether it is passable or not.

The criteria for determining 'passable or not' in this context focuses on whether it is possible to pass through the space or architecture without being the owner or user of them. For example, a road, which is public infrastructure, is of course a passable space, but a corridor in a shopping mall, which is private property, is also judged as a passable space regardless of its users. On the other hand, a library, which is a public facility, is classified here as a space that cannot be passed through, as it is not a space that is only intended to be used for passing through, although it does not impose any restrictions on its users. In this document, urban spaces that can be passed through are then referred to as 'passing space' and spaces that cannot be passed through are referred to as 'visiting space'.

The chart attached shows typical urban spaces classified into two categories, 'transit spaces' and 'stagnant spaces'.

Many buildings, such as shops, houses and libraries, were classified as visiting spaces, regardless of whether they were public or private buildings. And social infrastructure such as roads and stations were classified as transit spaces. Furthermore, parks, squares and markets can and can become either space, depending on their users. A deeper reading of these two classifications of space shows that transit spaces can also be seen as networks for connecting the dwell spaces scattered throughout the city.

都市における緩衝地帯の分析を行うために、都市空間の分類から始めたいと思います。

緩衝地帯は異なる要素を持つ空間に挟まれた空間に生まれるため、都市における緩衝地帯を分析するためには、都市空間の分類が重要な役割を持つからです。

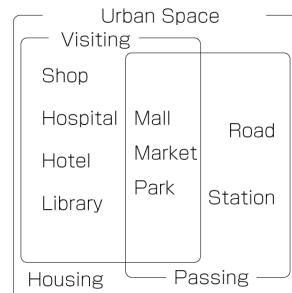
都市空間は様々な用途を持つ空間や建築物の集合のため、様々な尺度で分類することができますが、緩衝地帯の重要な要素の1つである「通り抜けることができるかどうか」と言う点に着目してここでは分類することにします。

ここで「通り抜けることができるかどうか」の判断基準は、その空間や建築の所有者や利用者でなくとも通り抜けることができるかどうかに着目しています。例えば、公共のインフラである道路は、もちろん通り抜けることができる空間ですが、私有地であるショッピングモールの通道も、利用者に關係なく通り抜けることができる空間として判断しています。一方で、公共施設である図書館は、利用者に制限を加えてはいませんが、通り抜けることだけを想定した空間ではないので、ここでは通り抜けることができない空間として分類します。

そして、このドキュメントでは、通り抜けることができる都市空間を「通過空間」、通り抜けることができない空間を「滞留空間」と呼びます。

そして、代表的な都市空間を「通過空間」と「滞留空間」の2つに分類したものが付属のチャートになります。

店舗や住宅、図書館など多くの建築物は、それらが公共施設か私有物かにかかわらず、滞留空間として分類されました。そして、道路や駅等の社会的なインフラストラクチャーは通過空間として分類されています。更に、公園や広場、マーケットは、その利用者に応じてどちらの空間ともなり得ることができます。この2つの空間の分類をより深く読み解くと、通過空間は都市に散らばる滞留空間を接続するためのネットワークとして見ることもできます。



Urban space classification table

都市空間分類表

# Where Buffer Zones Arise

Spaces where public and private overlap

The urban space is classified according to the aforementioned content, and the accompanying diagram shows the location and type of each Buffer zone on it. Before starting the analysis of the diagram, it is necessary to define public and private in this research. Generally, one can categorise a space as public or private according to its owner, but this categorisation is not practical in real urban spaces. This is because there are plenty of spaces that are owned by individuals or companies but open to a large number of people, or, alternatively, managed by a local authority, but not open to the general public. In this research, therefore, the spaces that can only be entered if the space is owned or used are referred to as private, while those that can be freely entered by anyone are referred to as public.

The following can then be read from the diagram.

## 1. Buffer zones are created where public and private overlap.

The difference between Buffer zones and other boundaries lies in whether the outer limits of the space intersect or not. Buffer zones emerge when the boundaries of each space intersect. The most straightforward example of this is the relationship between a café, a road and outdoor seating between them. The outdoor seating overhangs the road, overlapping the public space with the private space of the café.

## 2. Buffer zones exist to keep neighbouring spaces with fewer people away from the influence of spaces with more people.

Buffer zones change their role depending on the number of people using the neighbouring spaces. For example, taking the example of outdoor seating in the café described above, the outdoor seating is the Buffer zone, and this row of outdoor seating serves to keep the café away from the street, keeping the interior of the café quiet.

## 3. The difference between a boundary with objects yet open and a Buffer zone is whether or not there are people using the space itself.

都市空間を前述の内容で分類し、その上にそれぞれの Buffer zone の位置と種別を表したのが付属のダイヤグラムです。

ダイヤグラムの分析に入る前に、このリサーチにおけるパブリックとプライベートの定義を行う必要があります。一般的にはその空間の所有者によって、そこがパブリックかプライベートかを分類することができますが、この分類は現実の都市空間において実用的とはいえません。なぜなら、その空間が個人や企業によって所有されているものでも、多くの人々に開放されているものもあれば、反対に自治体などによって管理されている空間でも、一般には開放されていない空間が多く存在するからです。

そこでこのリサーチでは、その空間を所有もしくは利用しなければ入れない空間をプライベート、誰でも自由に入ることのできる空間をパブリックと呼称することにしました。

そして、ダイヤグラムから読み解くことのできる内容は以下の通りになります。

### 1. Buffer zone はパブリックとプライベートの重なりに生まれる。

Buffer zone とそれ以外の境界の違いは空間の境界が交わるか交わらないかにあります。それぞれの空間の境界が交差するときに Buffer zone が出現するのです。最もわかりやすい具体例がカフェと道路、それに挟まれた屋外席の関係です。屋外席が道路にはみ出ることによって、パブリック空間に、カフェのプライベート空間が重なり合っているのです。

### 2. Buffer zone は隣り合う空間のうち、使用人数の少ない空間を、使用人数の多い空間の影響から遠ざけるために存在する。

Buffer zone は、隣接する空間の使用人数の差によって、その役割を変えます。例えば、前述のカフェの屋外席の例を用いると、屋外席が Buffer zone にあたりますが、この屋外席の並ぶ空間は、人通りからカフェを遠ざける役割があり、カフェの内部を静かに保ちます。

### 3. 物体はあるが開いた境界と Buffer zone の違いはその空間自体を使う人がいるかどうかである。

物体はあるが開いた境界と Buffer zone はどちらも一方の空間をもう一方の空間の影響から遠ざける役割があります。両者の違いはその空間自体を使う人がいるかどうかにあると私は考えます。なぜなら、その空間を使う人がいなければ、それは Architecture があるとはいえず、ただの三次元的な境界であるからです。例えば、集合住宅と大通りの間に作られた広場は、大通りの交通から集合住宅を遠ざける空間であり、かつ街の人々が使う空間もあります。一方で、Walthamstow Market の終

Objects but open boundaries and Buffer zones both serve to keep one space away from the influence of the other. The difference between the two, in my opinion, lies in whether or not there is someone who uses the space itself. Because if there is no one using the space, then there is no Architecture, but just a three-dimensional boundary. For example, the plaza between the housing complex and the main street is a space that keeps the housing complex away from the traffic on the main street, but is also a space used by the people of the city. On the other hand, the plants at the end of Walthamstow Market are placed to keep the market away from the impact of cars, but are not a Buffer zone because they have no users of their own.

#### 4. Buffer zones don't appear at boundaries where privacy and security are required.

One feature of Buffer zones is that they can be passed through. On the other hand, there are also boundaries that are not wanted to be passed through. The most prominent example of this are boundaries where privacy or safety is required. Buffer zones are not created by boundaries such as those between houses or construction sites.

端に配置された植物は、マーケットを車の影響から遠ざけるために配置されていますが、それ自体に使用者がないため、Buffer zoneとはいえません。

#### 4. プライバシーと安全が求められる境界では Buffer zone は生まれない。

Buffer zone の特徴として、通り抜けることができるというものがあります。一方で通り抜けてほしくない境界も存在します。この最も顕著な例がプライバシーもしくは安全が求められる境界です。住宅や工事現場などの境界では Buffer zone が生まれることはありません。

# Physical Forms of Buffer Zones

## Pillar, Partition, Shade and Seating

Interestingly, while the materials that make up the Buffer Zone are diverse, their physical form can be expressed in four simple categories. Pillar, Partition, Shade and Seating. Each of these four also has a specific role to play.

Pillar is a reference for delimiting space, Partition is protection from neighbouring spaces. Shade generates places for people to visit and Seating generates places for people to stay.

興味深いことに、Buffer Zone を構成するマテリアルは多様である一方、その物理的な形は四つのシンプルな分類で表す事ができます。柱、仕切り、屋根、座席です。

また、これらの四つはそれぞれ、特有の役割を持ちます。

柱は空間を区切るときの基準、仕切りは隣接する空間からの保護、屋根は人々が訪れる場所の生成、そして座席は人々がとどまるための場所の生成です。



1. Pillar



2. Partition



3. Shade



4. Seating

# How to Create Buffer Zones

## Physical obstacles and people's behaviour

Buffer zones require three elements

1. the influence of adjacent spaces must be reduced
2. the space must be passable
3. the space itself must have users

So what are the specific spaces that fulfil these requirements? I first investigated, through experimentation, what kind of space would meet the first and second of these three elements: the key to realising elements 1 and 2 is how to control the number of people passing through the space, even though it is a passable space.

Therefore, in the experiment, physical obstacles were placed to observe how obstacles and their placement change people's behaviour. Specifically, on the Walthamstow Wetland pavement in Lea Vale, I placed IKEA takeaway boxes as three-dimensional obstacles, plastic sheets as flat obstacles and white tape and safety tape as linear obstacles, and investigated how they affected people passing along the pavement. The impact of these on people passing on the footpath was investigated.

The results are as follows.

1. If the walkway is divided by IKEA boxes, the ratio of which side is chosen is proportional to the ratio of the width of the pavement after the division. For example, if the boxes are positioned to divide the walkway 3:1, the number of people who avoid the wider side is 75%.
2. If the IKEA box divides the pavement, no one will pass through it if the width of the pavement after the division is less than 60 cm.
3. When a sheet is placed, more than 90% of people avoid the sheet, regardless of whether the area around it is highlighted with safety tape or not.
4. When the same area as the sheet is separated by tape, only 5% of people avoid it with white tape, but 60% of people avoid it with safety tape

Buffer zone には以下の三つの要素が求められます。

1. 隣接する空間の影響を抑えること
2. 通り抜けることのできる空間であること
3. その空間自体に使用者がいること

では、これらを満たす具体的な空間とはどのようなものなのでしょうか。そこではじめに私はこの三つの要素のうち、1と2を実現するのはどのような空間なのか、実験を通じて調査しました。1と2の要素を実現するにあたって重要なのが、通り抜けられる空間でありながらどのようにしてそこを通り抜けれる人の数を制御するかです。

そこで、実験では物理的な障害物を配置して、障害物やそれらの配置が人々の行動をどのように変化させるかを観察することとしました。具体的には、Lea Vale にある Walthamstow Wetland の歩道に、立体的な障害物として IKEA の持ち帰り用の箱、平面的な障害物としてビニールシート、線的な障害物として白いテープとセーフティーテープを配置し、それらが歩道を通る人々にどのような影響を与えるか調査しました。

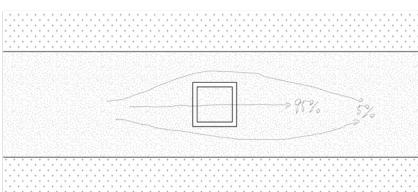
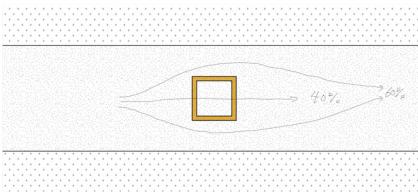
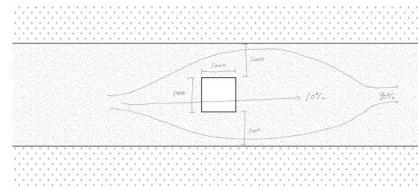
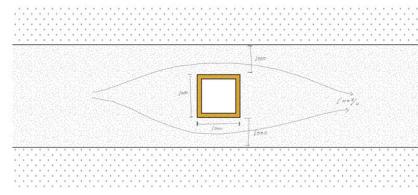
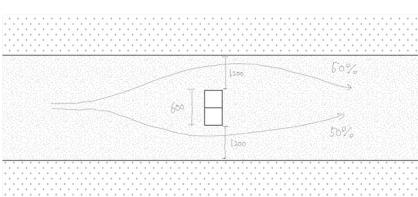
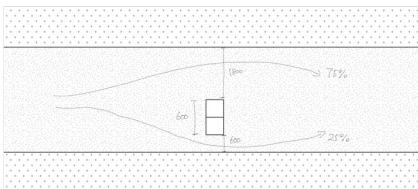
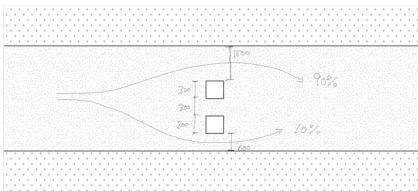
結果は以下の通りです。

1. IKEA の箱で歩道を分断した場合、どちら側を選ぶかの比率は、分断後の歩道の幅の比率と比例する。例えば通路を 3:1 で分断する位置に箱を配置すると広い方に避ける人数は 75% となる。
2. IKEA の箱で歩道を分断した場合、分断後の歩道の幅が 60cm 以下になると、そこを通る人はいなくなる。
3. シートを配置した場合、その周辺をセーフティーテープで強調するかしないかにかかわらず、9割以上の人人がシートを避ける。
4. シートと同じ面積をテープで区切った場合、白いテープだと 5% の人しか避けないが、セーフティーテープの場合 60% の人が避ける

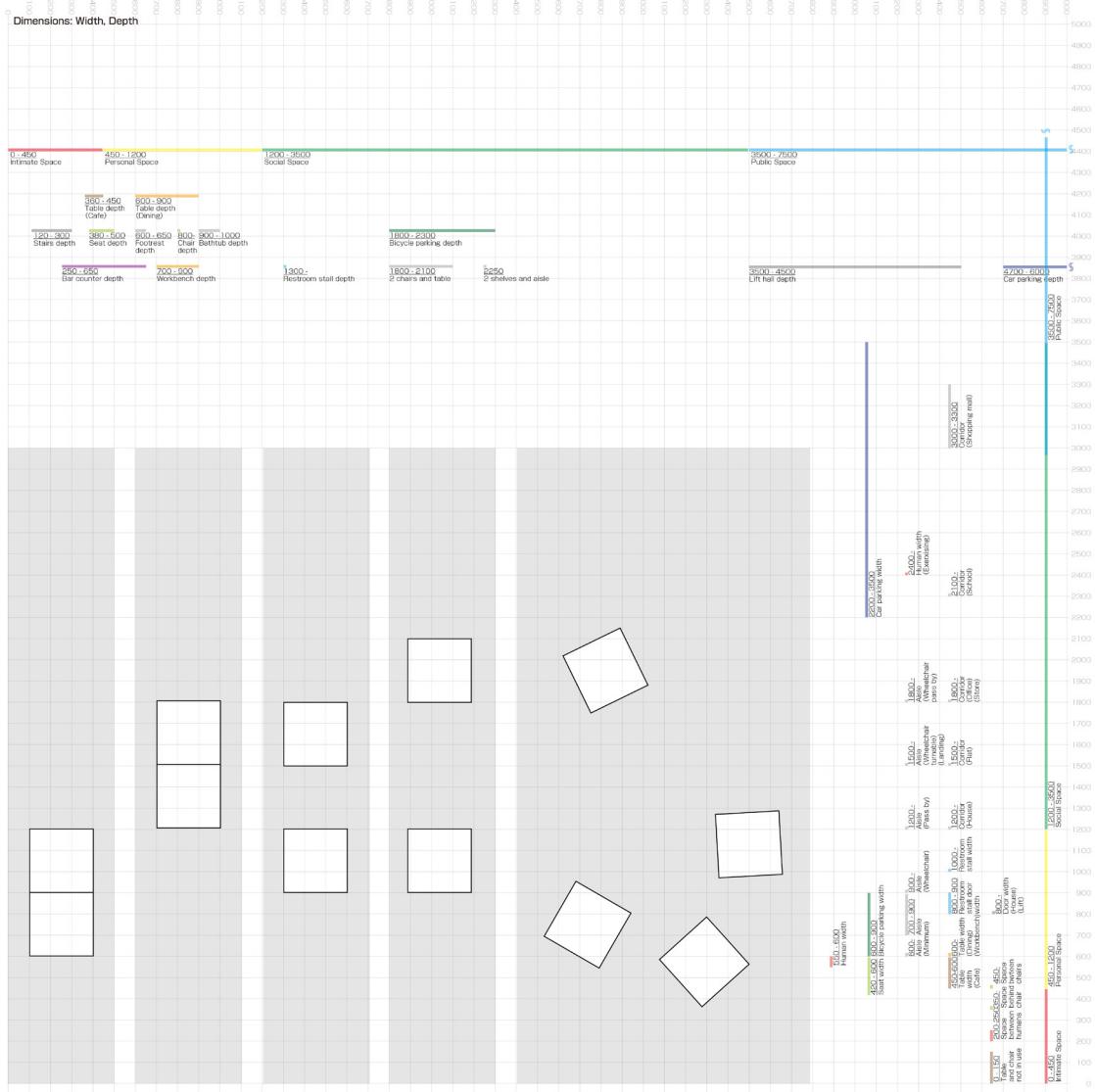
また、この実験結果を踏まえて、これらの実験で登場した寸法と建築的な寸法の比較を行いました。これは先程の Buffer zone の要素 3との関連を調査するためです。現在も調査中であり、追加の実験を行うことによって理解を深めたいと考えています。

Based on the results of this experiment, a comparison was also made between the dimensions that appeared in these experiments and the architectural dimensions. This is to investigate the relationship with element 3 of the Buffer zone mentioned earlier. This is still under investigation and we hope to gain a better understanding by conducting additional experiments.

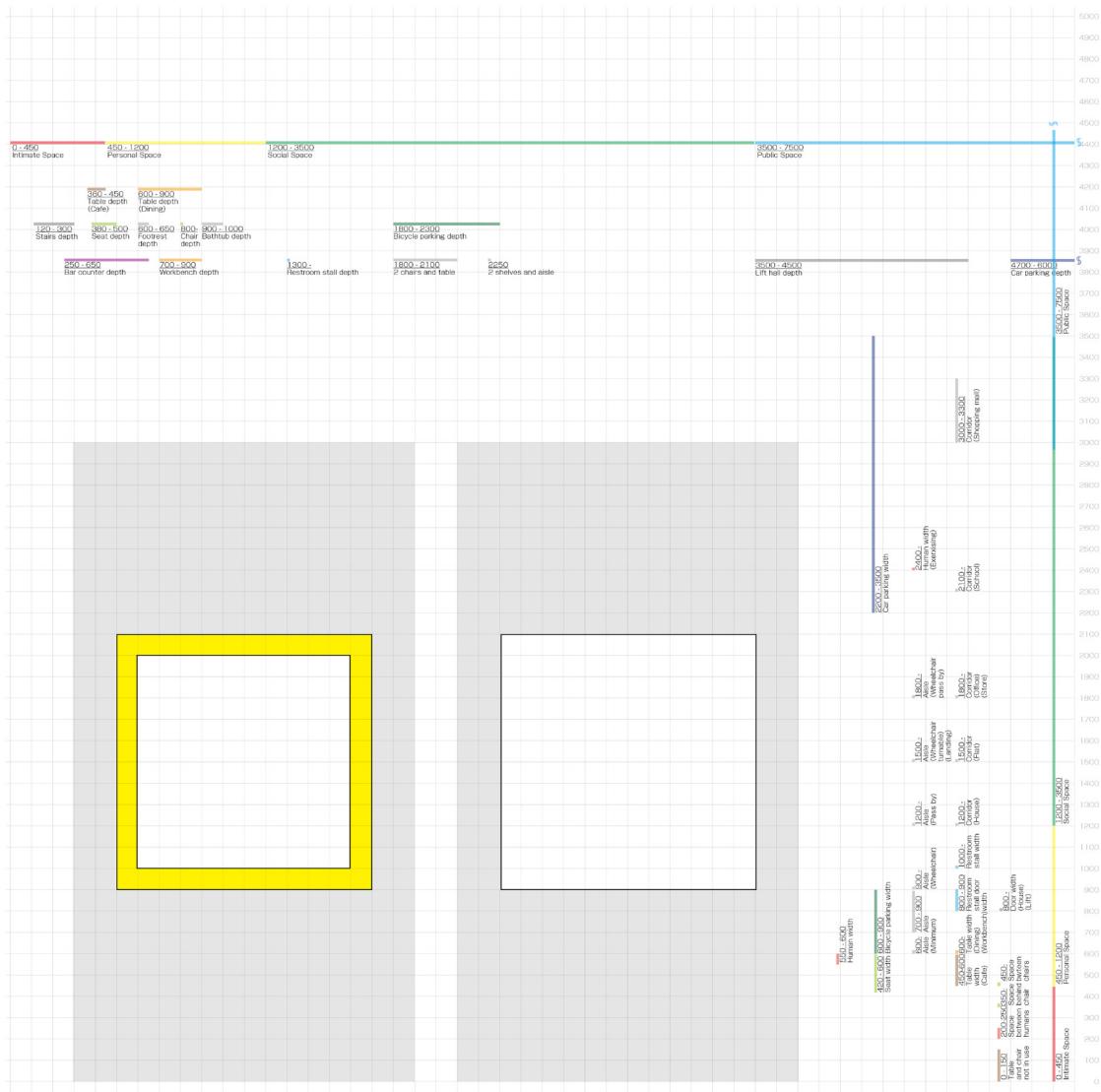
Experiments Note



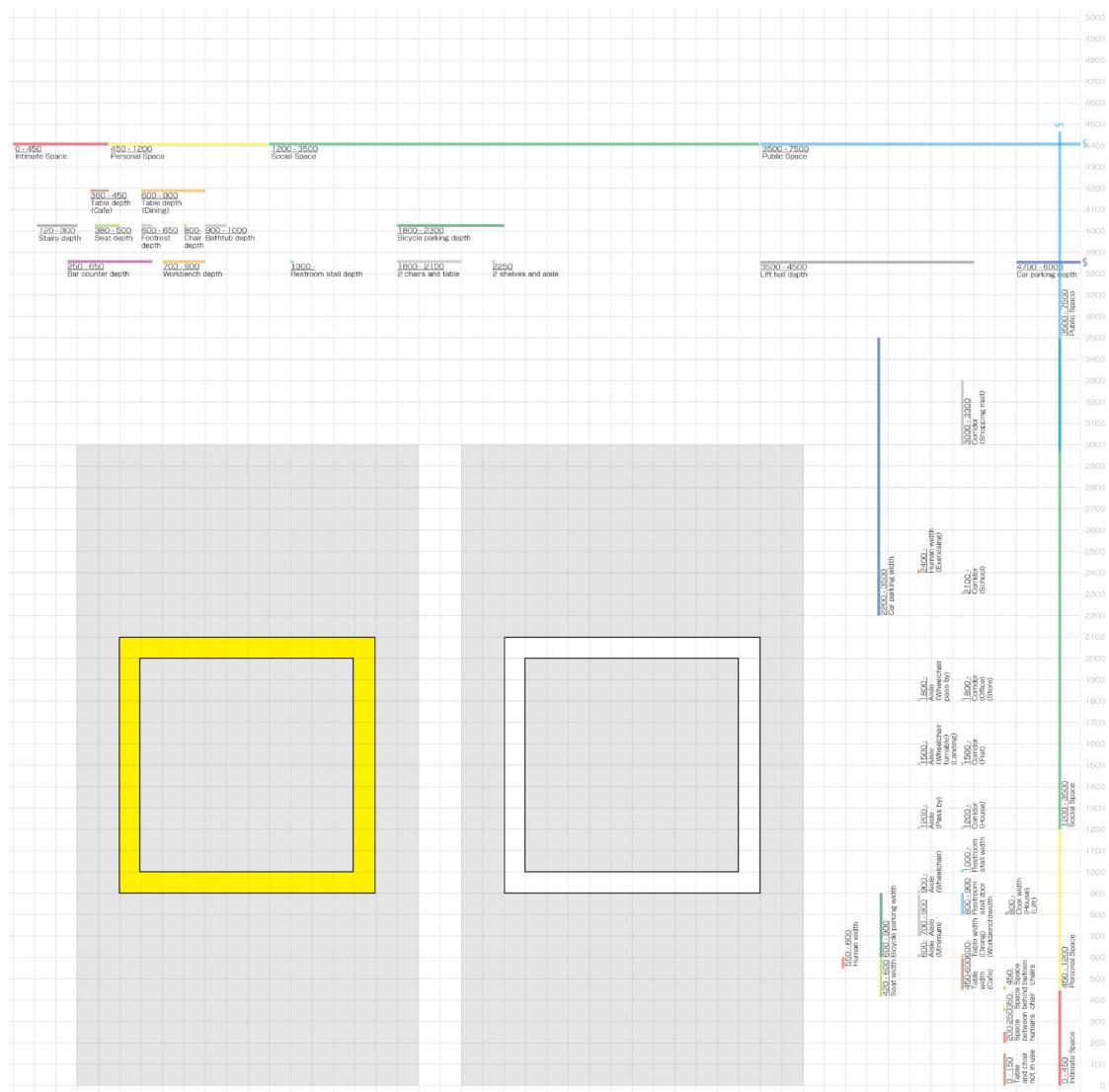
## Dimention Chart (IKEA Boxes)



Dimension Chart (Sheet)



## Dimention Chart (Tape)





# Design Proposal

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The Space Between  
: Testing care through the buffer zone

Architectural Association School of Architecture  
Intermediate Programme  
Unit 2

Yuki Tohori

# Site Selection

## Square between Walthamstow Market and Library

The site I chose for my project is a square positioned between Walthamstow Market and Walthamstow Library. Based on my research, buffer zones are created when there is a significant difference in the number of users in neighbouring environments.

This square exists between the market, where many people come and go, and the quiet library, and acting as a buffer zone by keeping the users away from each other.

Currently, users from each space are spending their time without interacting each other due to the square acting as a buffer zone. Also, in this buffer zone the users are indifferent to each other because their respective uses are a little too far apart.

For me, care means acting with other people in mind, so I thought it was necessary to first break through this state of indifference. To overcome this challenge, I looked back at the four forms of buffer zones, pillar, partition, shade and seating. I specially focused on the similarity of the roles of shading and seating. This is because both forms are used to create spaces for people to spend time and by creating a shared space between market and library will let people to interact more and care others.

私がプロジェクトのために選んだ場所は、Walthamstow Market と Walthamstow Library の間に位置する広場です。

私の調査によると、バッファゾーンは、近隣の環境の利用者数に大きな差がある場合に作られます。

この広場は、多くの人が行き交うマーケットと静かな図書館の間に存在し、利用者を遠ざけることで Buffer Zone としての役割を担っています。

現在、各スペースの利用者は、この広場が緩衝地帯となっているため、互いに交流することなく時間を過ごしている。また、この緩衝地帯では、それぞれの用途が少し離れているため、利用者はお互いに無関心な状態です。私にとってのケアとは、相手のことを考えて行動することなので、まずはこの無関心な状態を打破することが必要だと考えました。

デザインを始めるにあたって私はまず、柱、仕切り、屋根、座席という Buffer Zone の 4 つの形態を振り返ってみました。特に注目したのは、屋根と座席の役割の類似性です。どちらの要素も人々が時間を過ごすための空間を作る機能を持ち合わせており、この敷地にはマーケットの露店として屋根が、図書館の屋外スペースのベンチとして座席が近い距離に共存しています。

そこで私はこの露店とベンチを融合させることによって、マーケットと図書館の間に共有空間を生み出し、人々がより交流し、互いに Care するような空間を設計することとしました。



Market



Walkway



Library

Areal Photo of The Site



# Design Concept

## Square between Walthamstow Market and Library

To design a architecture of care at the site. I thought it will be interesting to merge market stall and outdoor seating for library in one object.

However, I also considered that simply linking the two elements together would not create the space I wanted. The space to interact.

I therefore propose an object that dynamically transforms itself into two different forms depending on the situation: a market stall and outdoor seating.

By not having the two elements present at the same time, people can induce care for each other among users.

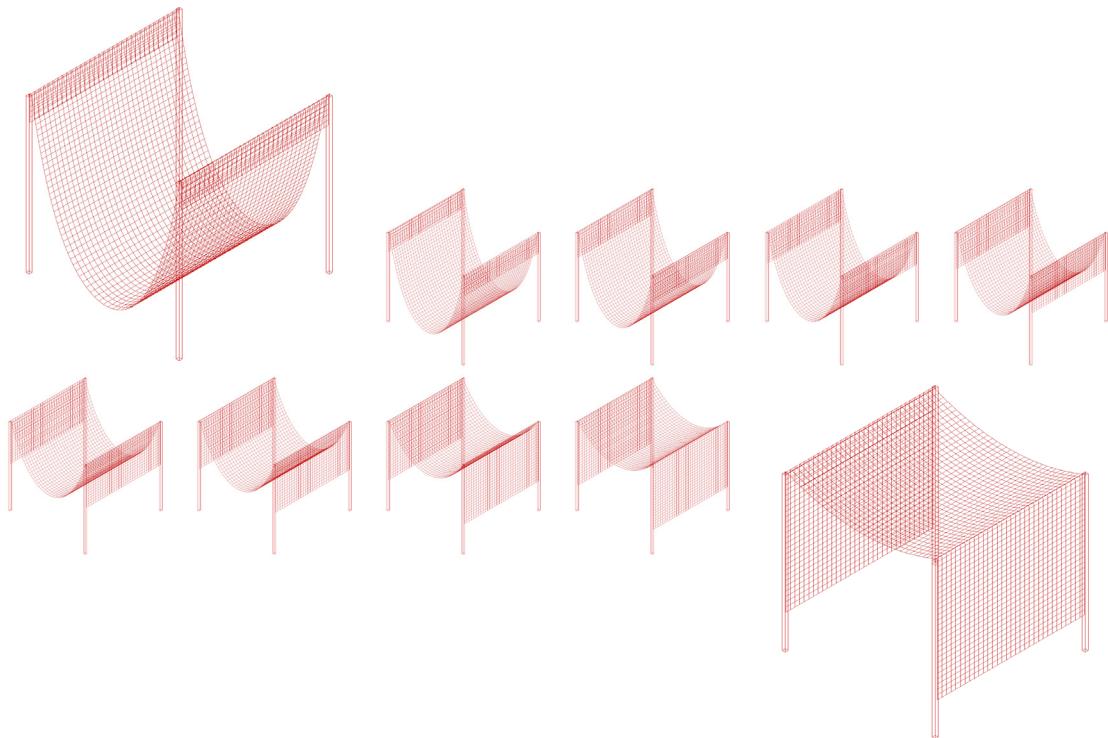
It can also respond flexibly to changes in demand, which can vary according to the day of the week and time of day.

この場所で Architecture of Care をデザインするために、マーケットの露店と図書館の屋外席をひとつのオブジェクトにしたら面白いのではないかと考えました。

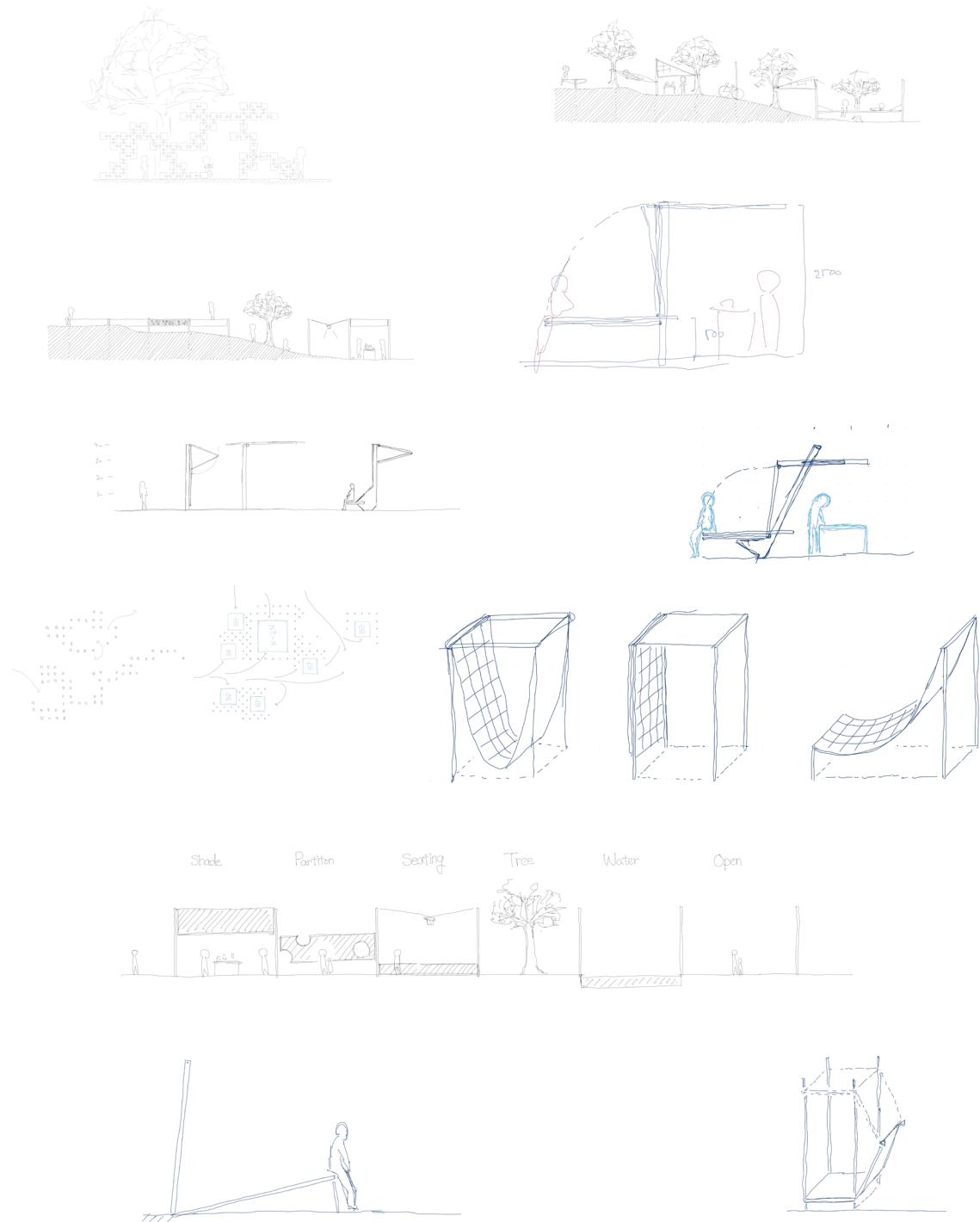
しかし、単にこれら 2 つの要素をつなげるだけでは、私が目指す空間、すなわち人々の交流を生み出す空間は生まれないとも考えました。

そこで私が提案するのが、露店と座席の 2 つの形態に動的に変化させることのできるオブジェクトです。あえて 2 つの要素を同時に存在させないことで、このオブジェクトの設置してある空間を利用する人々の間で交流や、他の立場の人々への気遣いを誘発することができます。

また、この設計案を用いることで、曜日や時間帯によって変化する需要の変化にも柔軟に対応することが可能となります。



## Design Sketches



# Design Detail

## Square between Walthamstow Market and Library

In this design, a single architecture is created by arranging small units in a micro-environment of the square.

Almost all units will feature a design that combines columns and user-operable fabric.

At the same time, fixed seating is provided for people who have difficulty sitting on hammock-like seating surfaces.

This design is realised by adapting the observations of the buffer zone at Waltham Forest to the context of the site. This is an experimental design proposal to explore the possibilities of care in buffer zones, and I believe that the ideas in this design can be applied to realise Architecture of Care in a variety of spaces.

この設計提案では、複数種類の小さなユニットを広場における人々の動作、高低差、空間の利用方法、日射条件などにあわせて組み合わせて配置することで一つの建築を実現します。

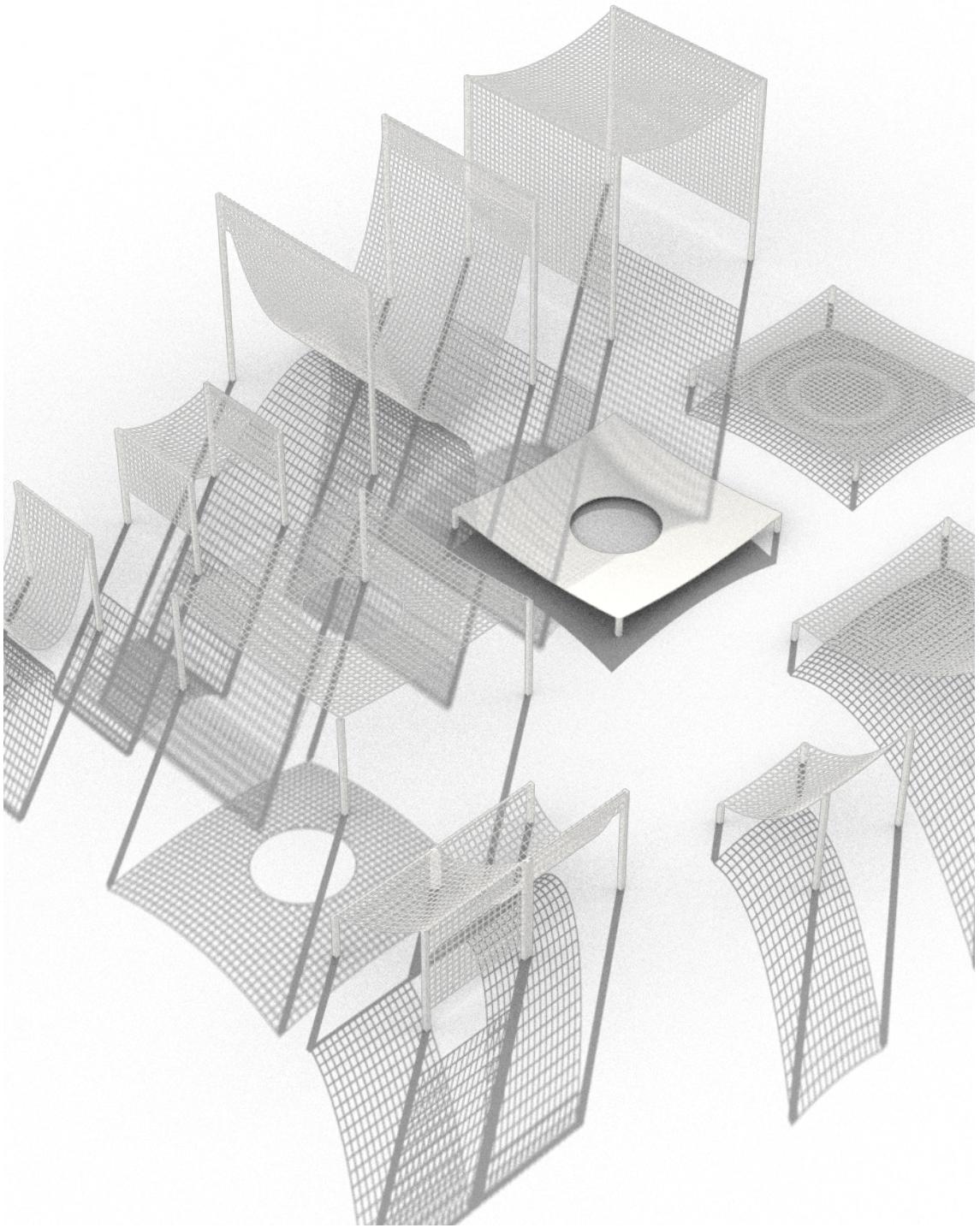
ほぼすべてのユニットは、柱とユーザーが操作可能なファブリックを組み合わせたデザインが採用され、このユニットはユーザーの自由な操作によって屋根と座席のどちらかとして使うことができます。

同時に、このデザインの特徴でもあるハンモックのような柔らかい座面に座ることが困難な人のために、固定された座面をもつユニットも併用しています。

このデザインは、Waltham ForestにおけるBuffer Zoneの観察結果を、この地のコンテクストに適応させることで実現しています。

しかしこれは Buffer Zoneにおける Care の可能性を探るための実験的なデザイン案の一つに過ぎません。この設計の根幹をなしている Buffer Zone を取り巻く環境を利用した設計手法は、その他の多様な空間においても Architecture of Care を実現するために応用できると考えています。

Unit List



**Isometric View**  
North - East / Market Side



**Isometric View**  
South - West / Square Side



**Elevation**  
East / Library Side



**Elevation**  
North / Market Side



The Space Between  
: Testing care through the buffer zone

Architectural Association School of Architecture  
Intermediate Programme  
Unit 2

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