

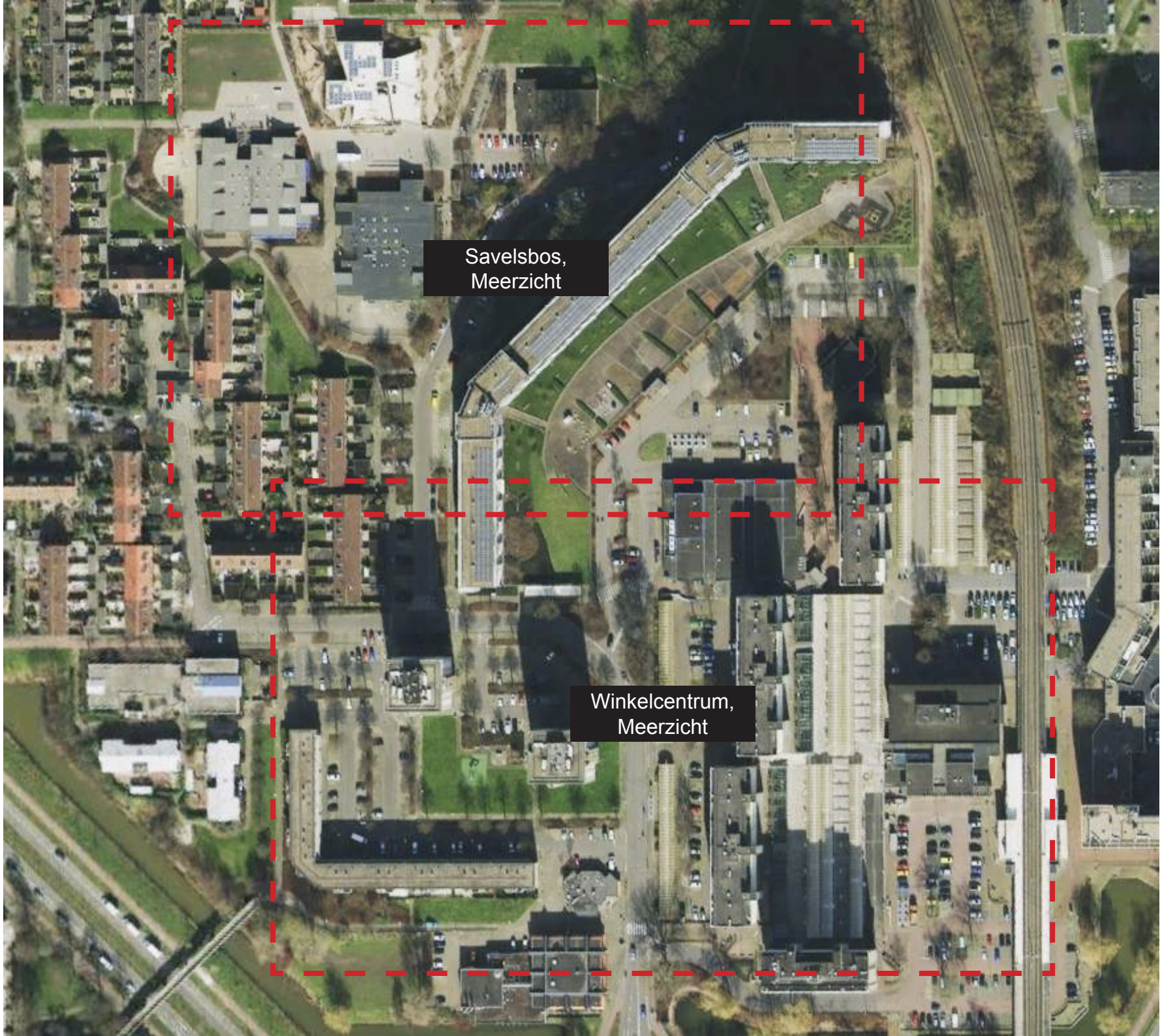
An aerial, black and white photograph of a city grid. A river flows along the left side, and a railway line runs vertically on the right. The city blocks are densely packed with buildings and trees. The text is overlaid on the left side of the image.

CITY RHYTHM

**VISUAL RESEARCH,
RHYTHMANALYSIS
MEERZICHT,
ZOETERMEER**

1. VISUAL RESEARCH



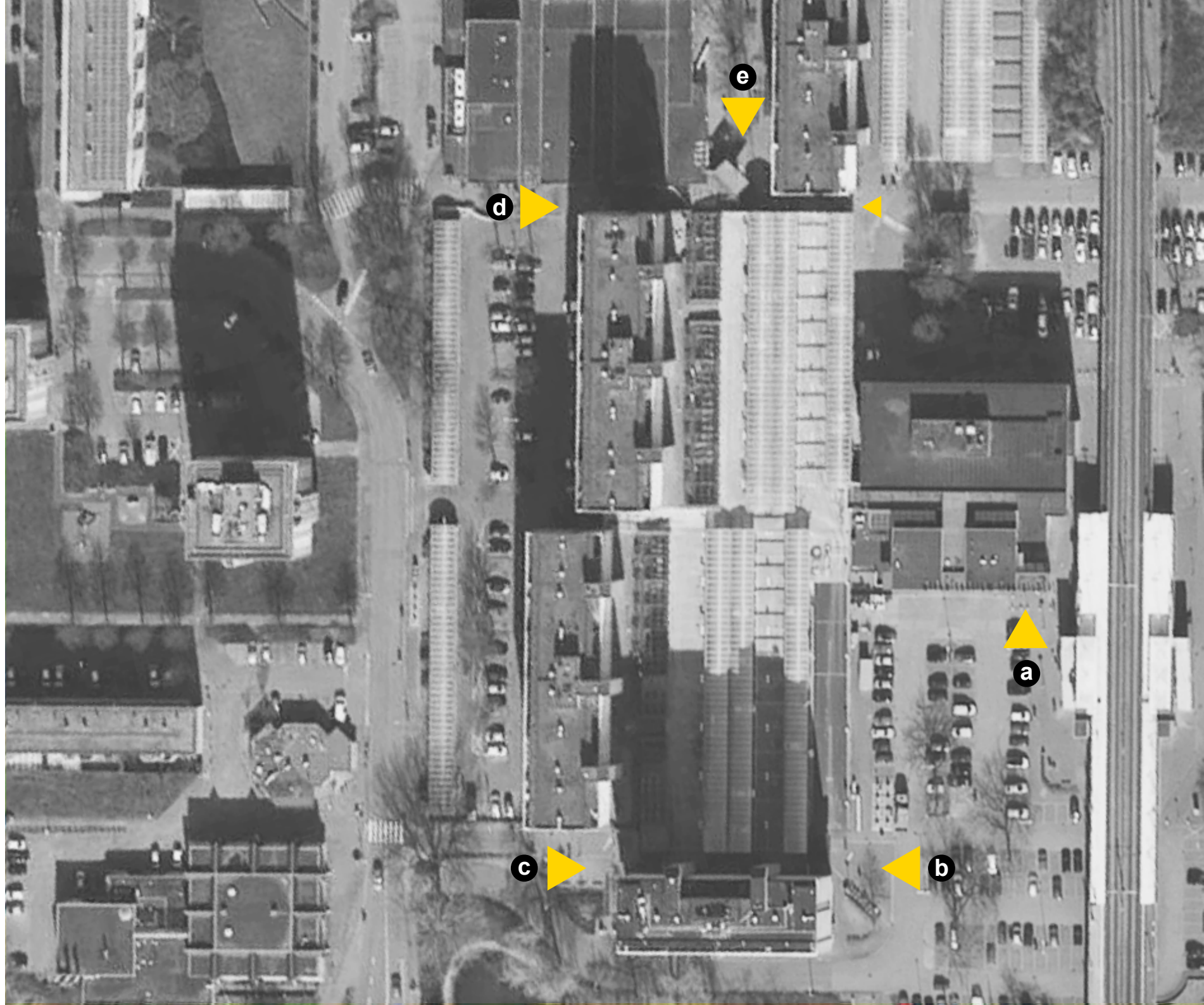


Savelsbos,
Meerzicht

Winkelcentrum,
Meerzicht

Winkelcentrum, Meerzicht:

General Analysis: Entrances





Entrance 1



Entrance 2



Entrance 3



Entrance 4



Entrance 5



Passage 6

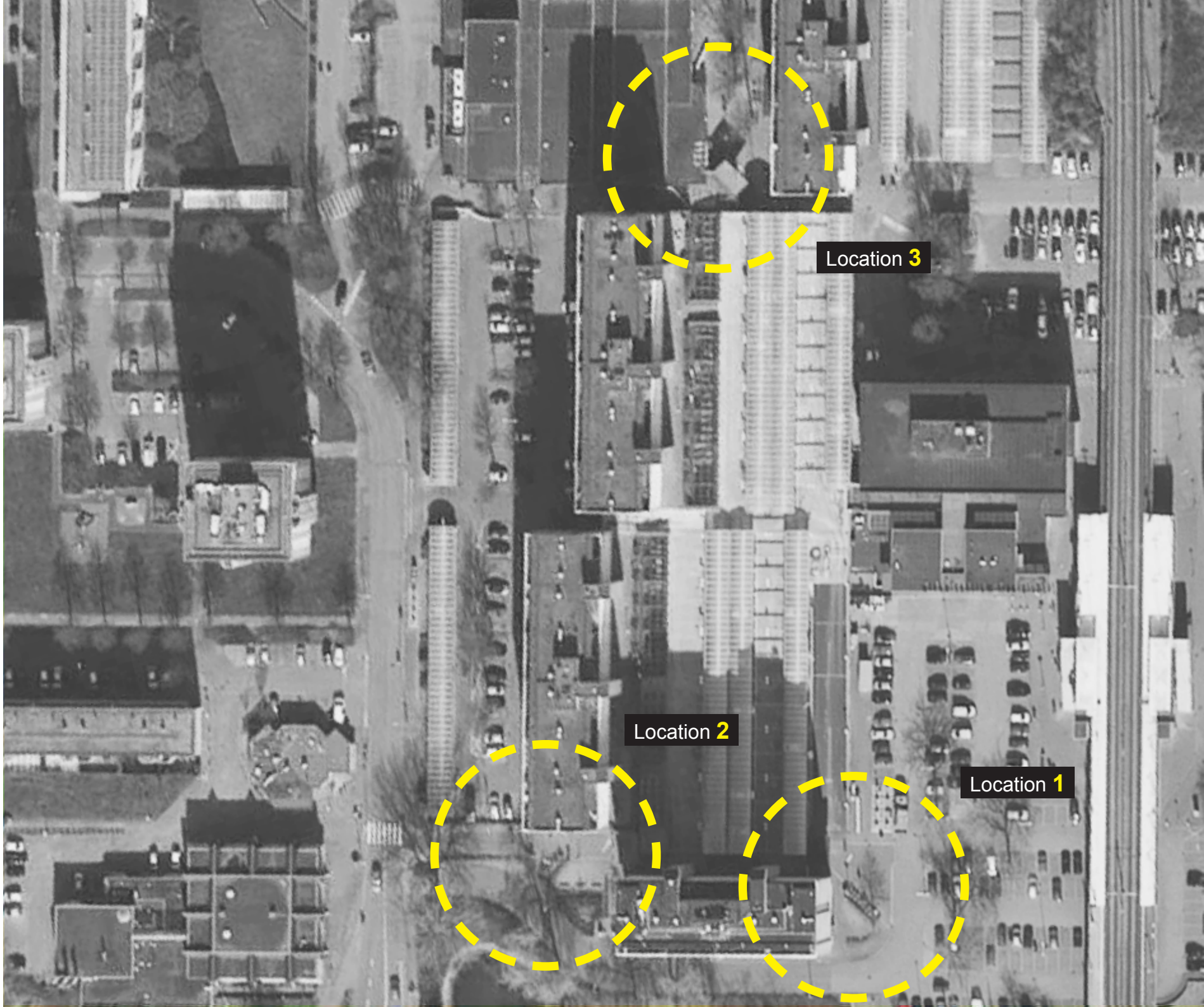
Winkelcentrum, Meerzicht:

General Analysis: Standing Points





Winkelcentrum, Meerzicht: Selected Locations



Location 1

Visual Research



Location 1

Activity Analysis



After 17:30 young people arrive

Friday, 24th of February
17:25 - 17:35



21 Cars Parking

Friday, 24th of February
17:25 - 17:35



55 People Entering
40 People Leaving

Friday, 3rd of March
17:20 - 17:30

22 People Entering
19 People Leaving

Tuesday, 28th of February
12:20 - 12:30

47 People Entering
50 People Leaving

Friday, 24th of February
17:25 - 17:35



2 People Standing

Friday, 24th of February
17:25 - 17:35

Location 1

Activity Analysis



Location 1

Activity Analysis



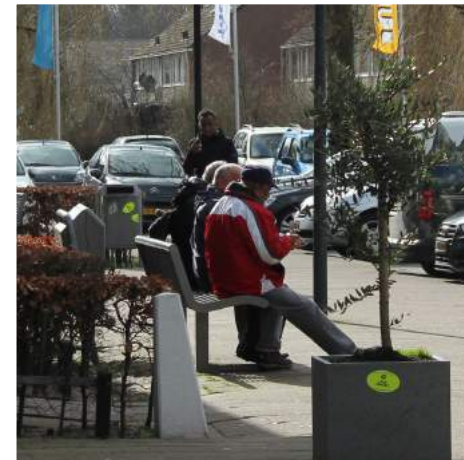
Many people use this entrance to drop trash first, and then go inside the winkelcentrum



Some People grab a loempia and eat inside the winkelcentrum

People spend less than 10 mins for a loempia.

Friday, 3rd of March
17:20 - 17:30

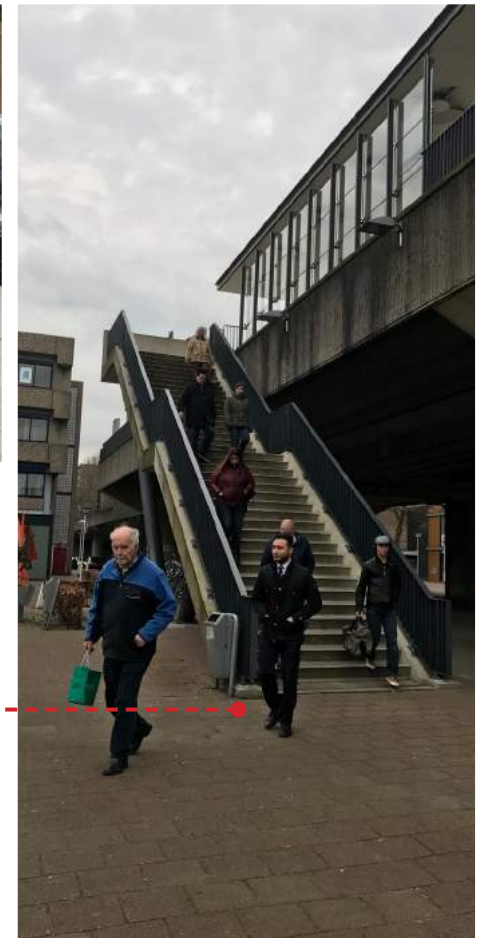


People sitting for around 10 minutes

Wednesday, 2th of February
12:30 - 12:40

People arriving at the same time from the tram stop

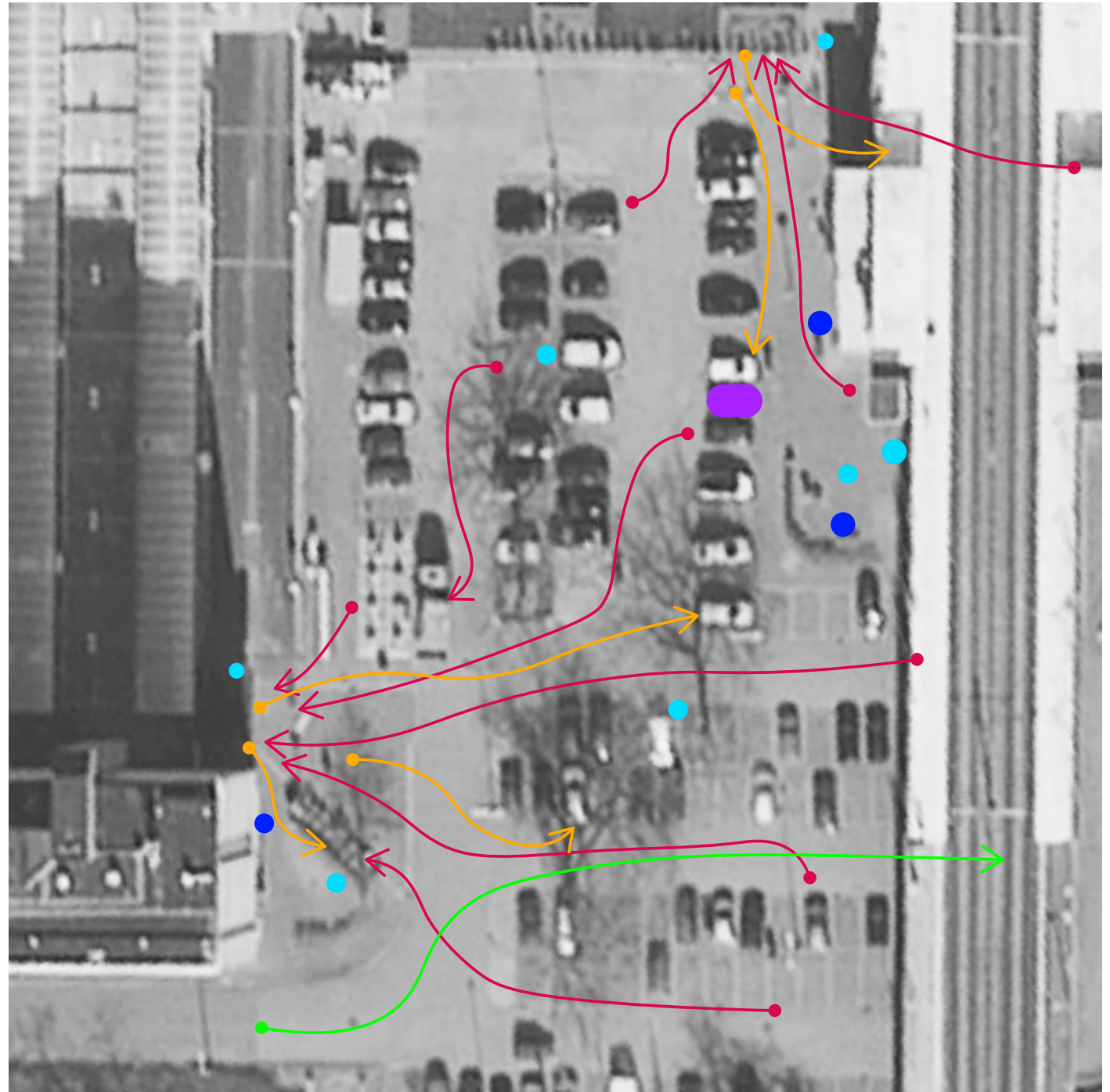
Wednesday, 2th of February
12:30 - 12:40



Location 1

Spatial Flow Analysis

- People Entering
- People Leaving
- People Passing
- People Standing, 5 mins
- People Standing, 15 mins
- People staying in car



Location 2

Visual Research



Location 2

Activity Analysis

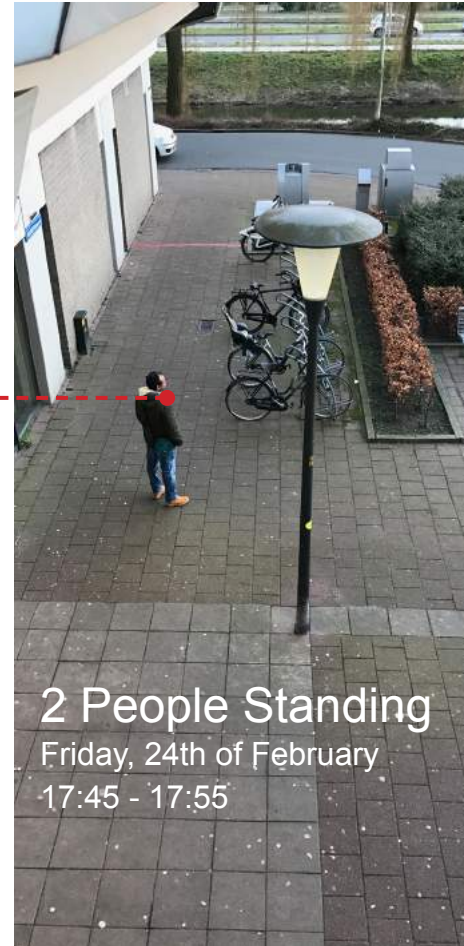


12 People Entering
23 People Leaving

Friday, 3rd of March
17:30 - 17:40

At 17:50
Drug Dealing

Friday, 24th of February
17:45 - 17:55



2 People Standing

Friday, 24th of February
17:45 - 17:55

10 People Entering
25 People Leaving

Friday, 24th of February
17:45 - 17:55

3 People Entering
15 People Leaving

Tuesday, 28th of February
12:40 - 12:50



Location 2

Spatial Flow Analysis

- People Entering
- People Leaving
- People Passing
- People Standing, 5 mins
- People Standing, 15 mins



Location 3

Visual Research



Location 3

Activity Analysis



26 People Entering
30 People Leaving

Friday, 24th of February
18:05 - 18:15

20 People Entering
28 People Leaving

Friday, 3rd of March
17:10 - 17:20

10 People
Passing By

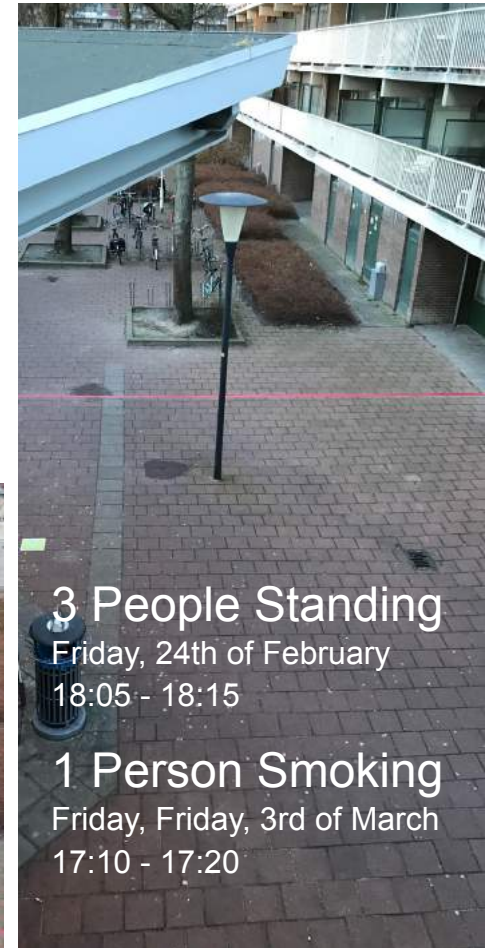
Friday, 24th of February
18:05 - 18:15

2 People Entered
and Left in 10 mins

Friday, 3rd of March
17:10 - 17:20

10 People Using
ATM Machine

Friday, 24th of February
18:05 - 18:15



3 People Standing

Friday, 24th of February
18:05 - 18:15

1 Person Smoking

Friday, Friday, 3rd of March
17:10 - 17:20

Location 3

Spatial Flow Analysis

- People Entering
- People Leaving
- People Passing
- People Standing, 5 mins
- People Standing, 15 mins



Winkelcentrum, Meerzicht:

General Analysis: Standing Points





Point 1



Point 2



Point 3



Point 4



Point 5



Point 6

Savelsbos, Meerzicht: Selected Locations



Location 4

Visual Research



Location 4

Activity Analysis



**20 People Passing
(Walking, Biking)**
Tuesday, 28th of February
12:10 - 12:20



**2 People Walking
Dogs**
Tuesday, 28th of February
12:10 - 12:20

0 People Sitting
Tuesday, 28th of February
12:10 - 12:20



9 People Passing
Friday, 3rd of March
17:50 - 18:00

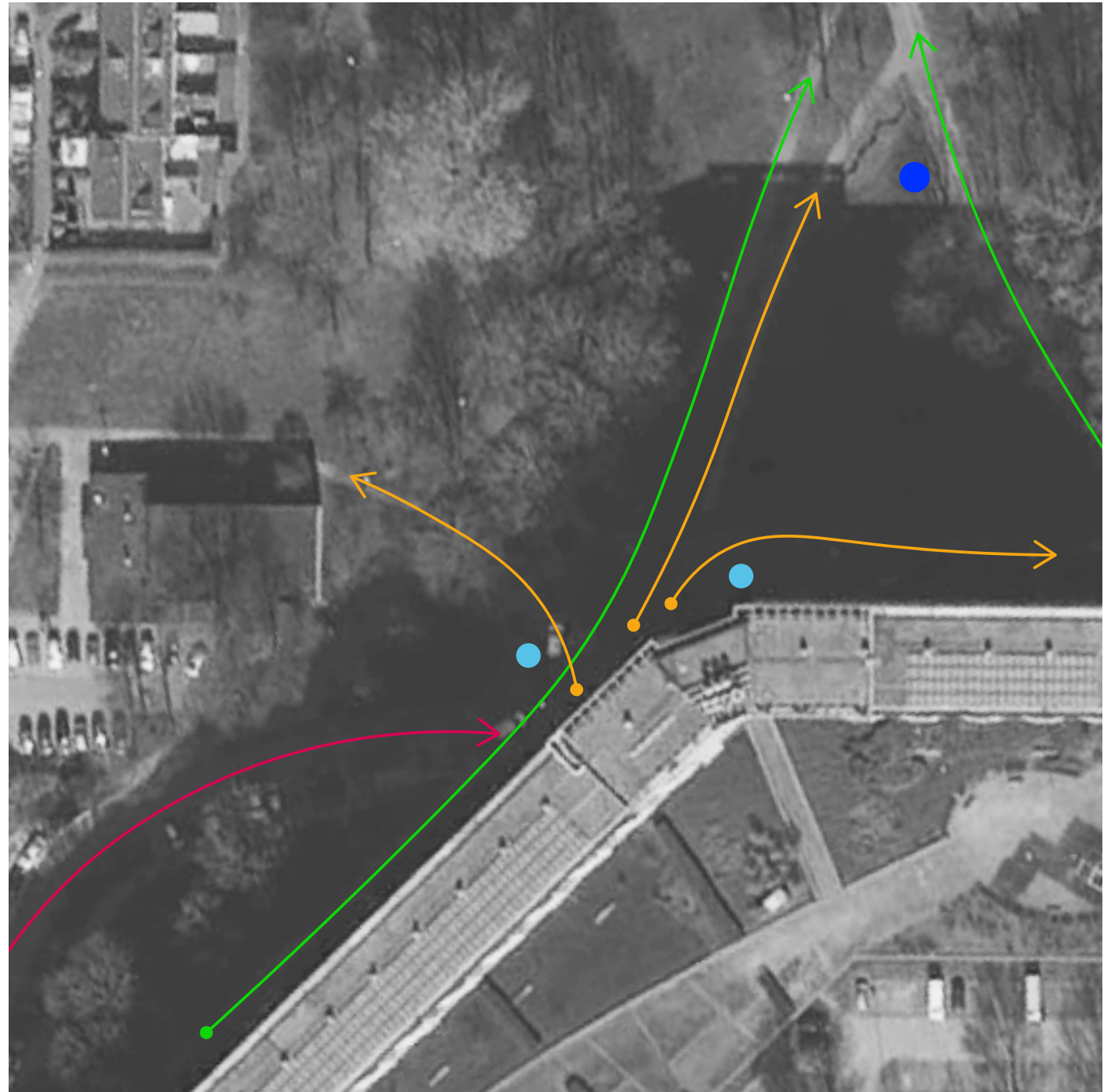
**2 People Entering
3 People Leaving**
Friday, 3rd of March
17:50 - 18:00

**10 People Entering
15 People Leaving**
Tuesday, 28th of February
12:10 - 12:20

Location 4

Spatial Flow Analysis

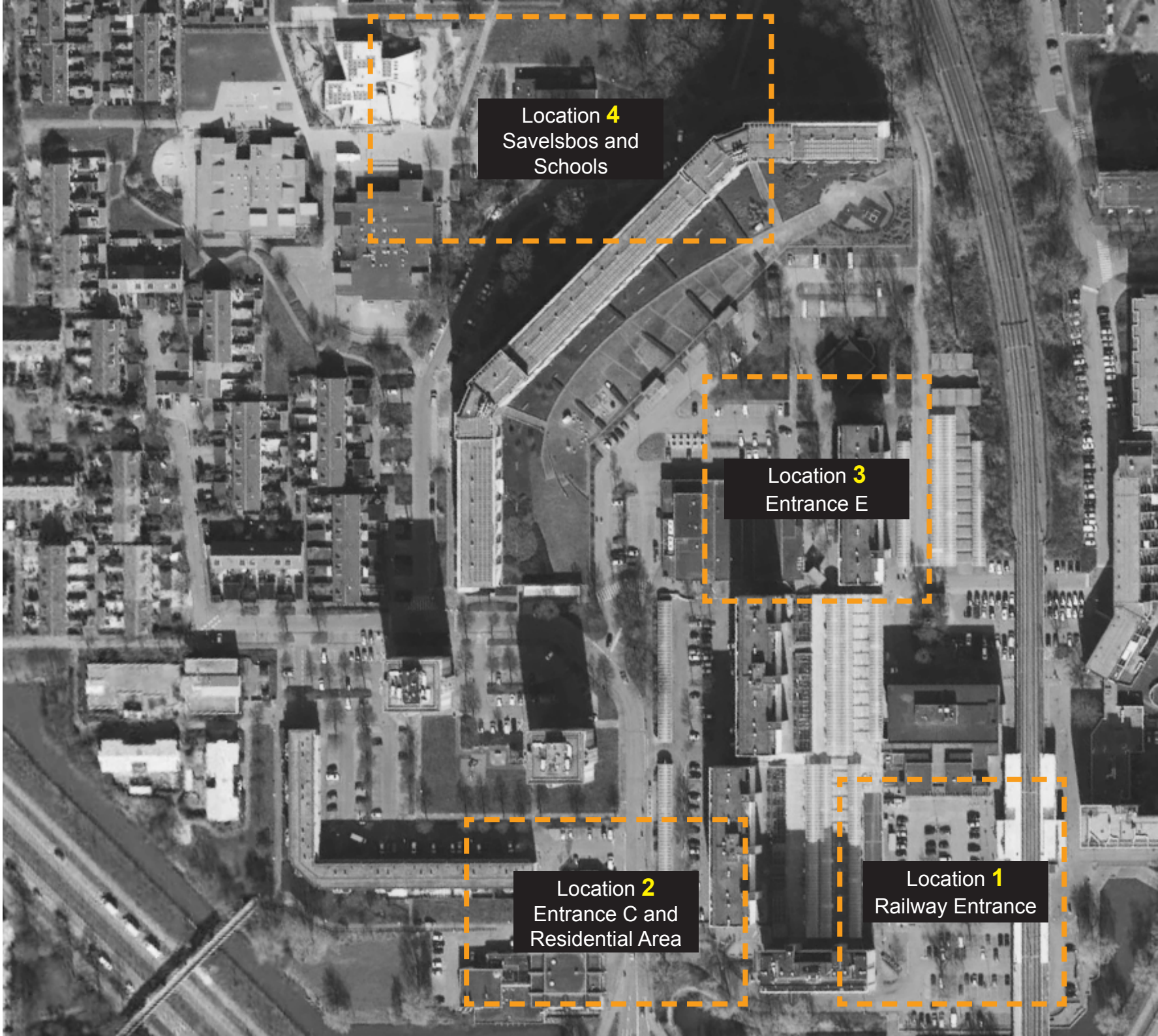
- People Entering
- People Leaving
- People Passing
- People Standing, 5 mins
- People Standing, 15 mins



2. RHYTHMANALYSIS

Rhythmanalysis, Meerzicht:

Locations



Rhythmanalysis, Meerzicht:

Focus Groups



Residents / Visitors Between **12 - 26 years**



Residents / Visitors Between **60 - 80 years**



Residents / Visitors Between **26 - 60 years**

Location 1

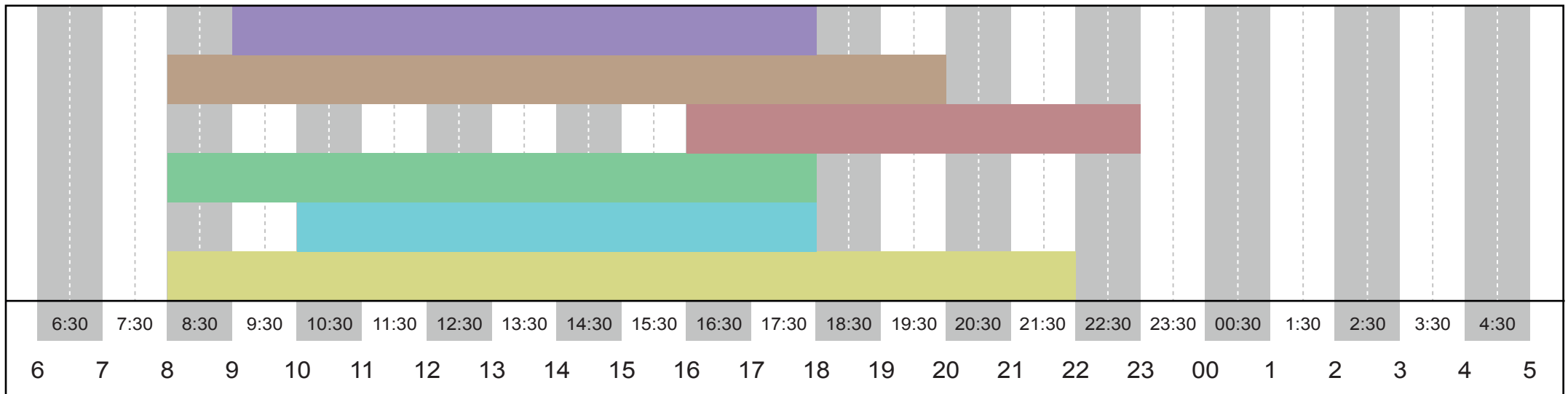
Function Analysis

-  Winkelcentrum
Openingstijden: 8:00 - 22:00
-  Bakkerij Cicek
Openingstijden: 8:00 - 20:00
-  Pizza Gigi
Openingstijden: 16:00 - 23:00
-  Other Shops
Openingstijden: 8:00 - 22:00
-  Loempia Corner
Openingstijden: 10:00 - 18:00
-  Piezo
Openingstijden: 8:00 - 17:00



Location 1

Documenting the Functions



Winkelcentrum
Openingstijden: 8:00 - 22:00

Bakkerij Cicek
Openingstijden: 8:00 - 20:00

Pizza Gigi
Openingstijden: 16:00 - 23:00

Other Shops
Openingstijden: 8:00 - 22:00

Loempia Corner
Openingstijden: 10:00 - 18:00

Piezo
Openingstijden: 8:00 - 17:00

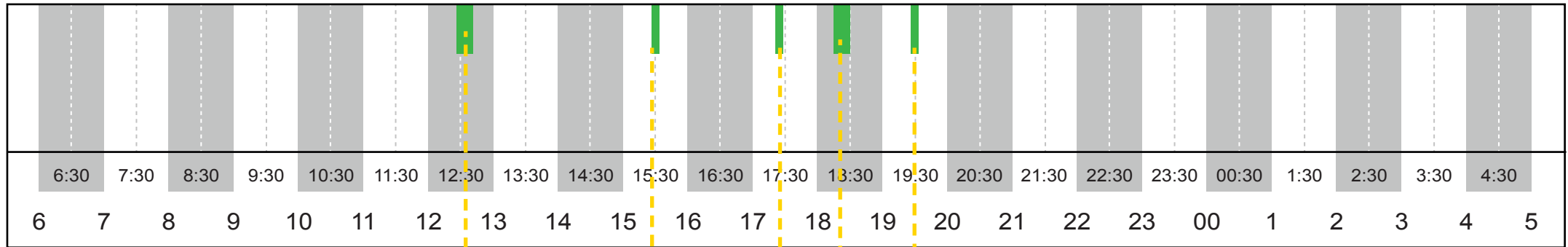
Location 1

Analysing the Flows



Location 1

Documenting the Different Flows



12:20 - 12:35



15:25 - 15:35



17:20 - 17:30



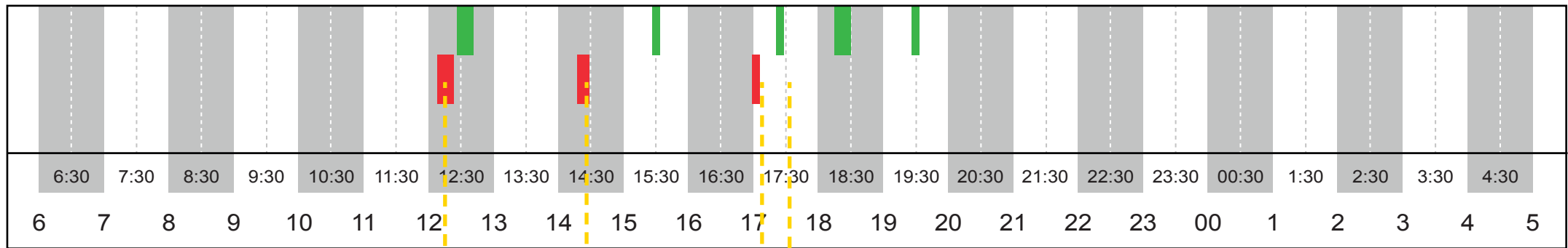
18:00 - 18:15



19:20 - 19:40

Location 1

Documenting the Different Flows



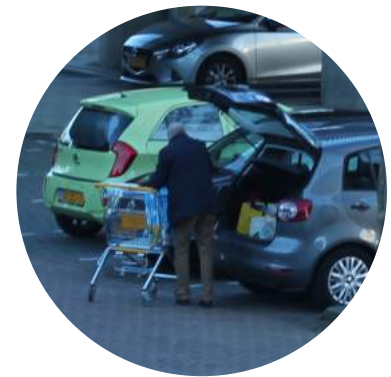
12:15 - 12:25



14:25 - 14:35



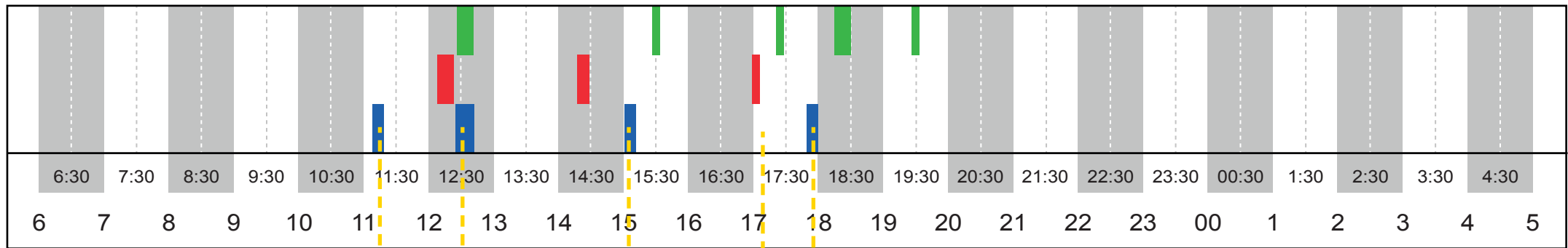
17:00 - 17:20



17:40 - 17:45

Location 1

Documenting the Different Flows



11:50 - 12:00



12:30 - 12:45



15:00 - 15:15



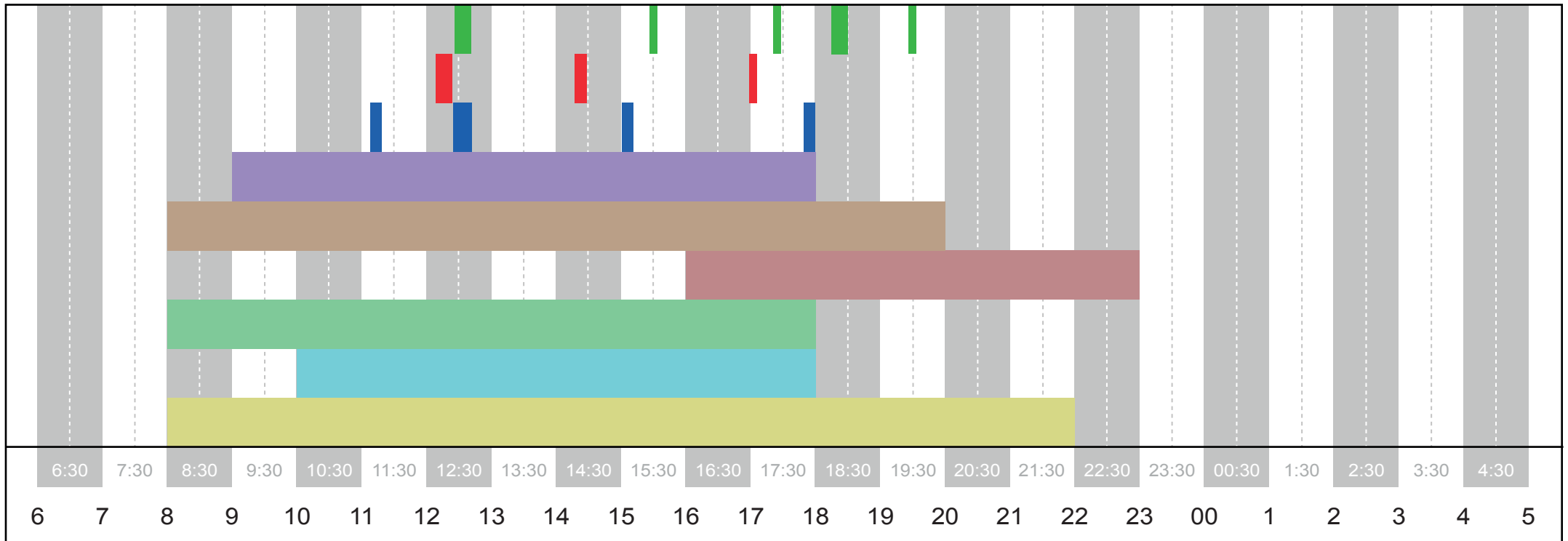
16:45 - 17:00



17:50 - 18:00

Location 1

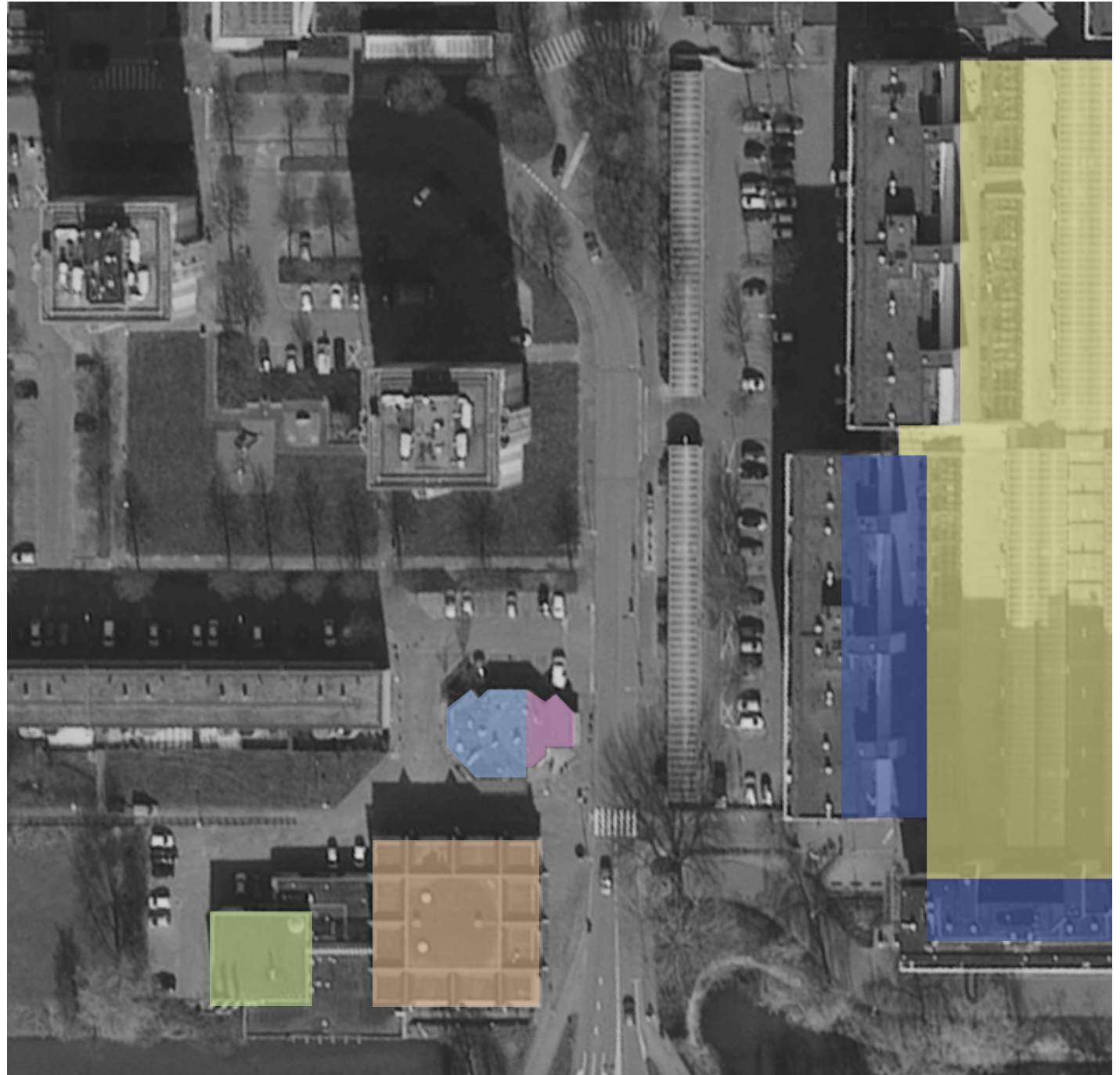
Overall Rhythm Analysis



Location 2

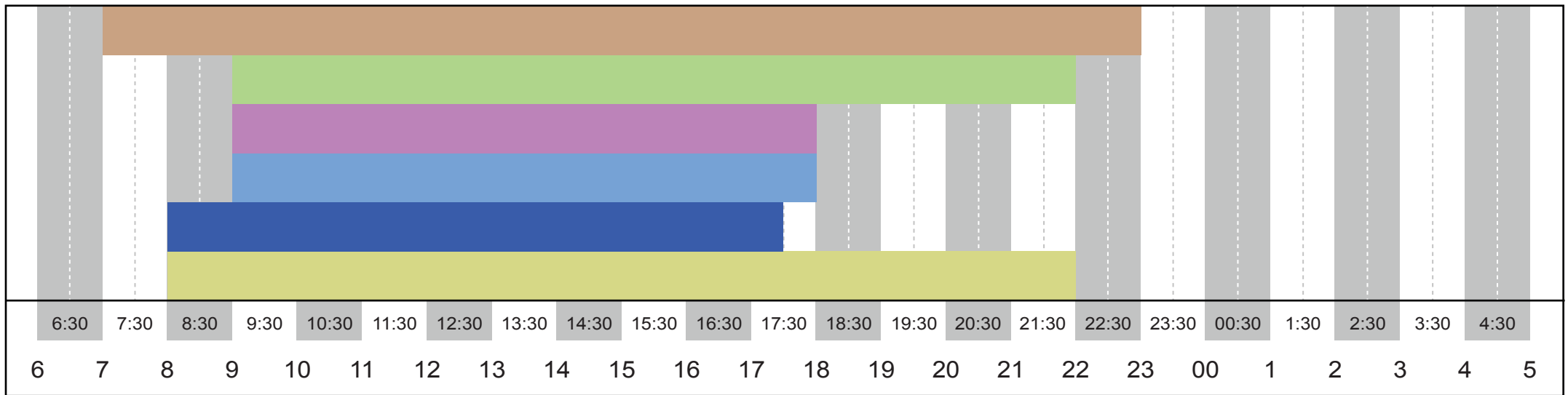
Function Analysis

-  Winkelcentrum
Openingstijden: 8:00 - 22:00
-  Other Shops
Openingstijden: 8:00 - 17:30
-  Vishandel Knoester
Openingstijden: 9:00 - 18:00
-  Bloemenwinkel
Openingstijden: 9:00 - 18:00
-  Fit All Day
Openingstijden: 7:00 - 23:00
-  Solarium
Openingstijden: 9:00 - 22:00



Location 2

Documenting the Functions



Winkelcentrum
Openingstijden: 8:00 - 22:00

Other Shops
Openingstijden: 8:00 - 17:30

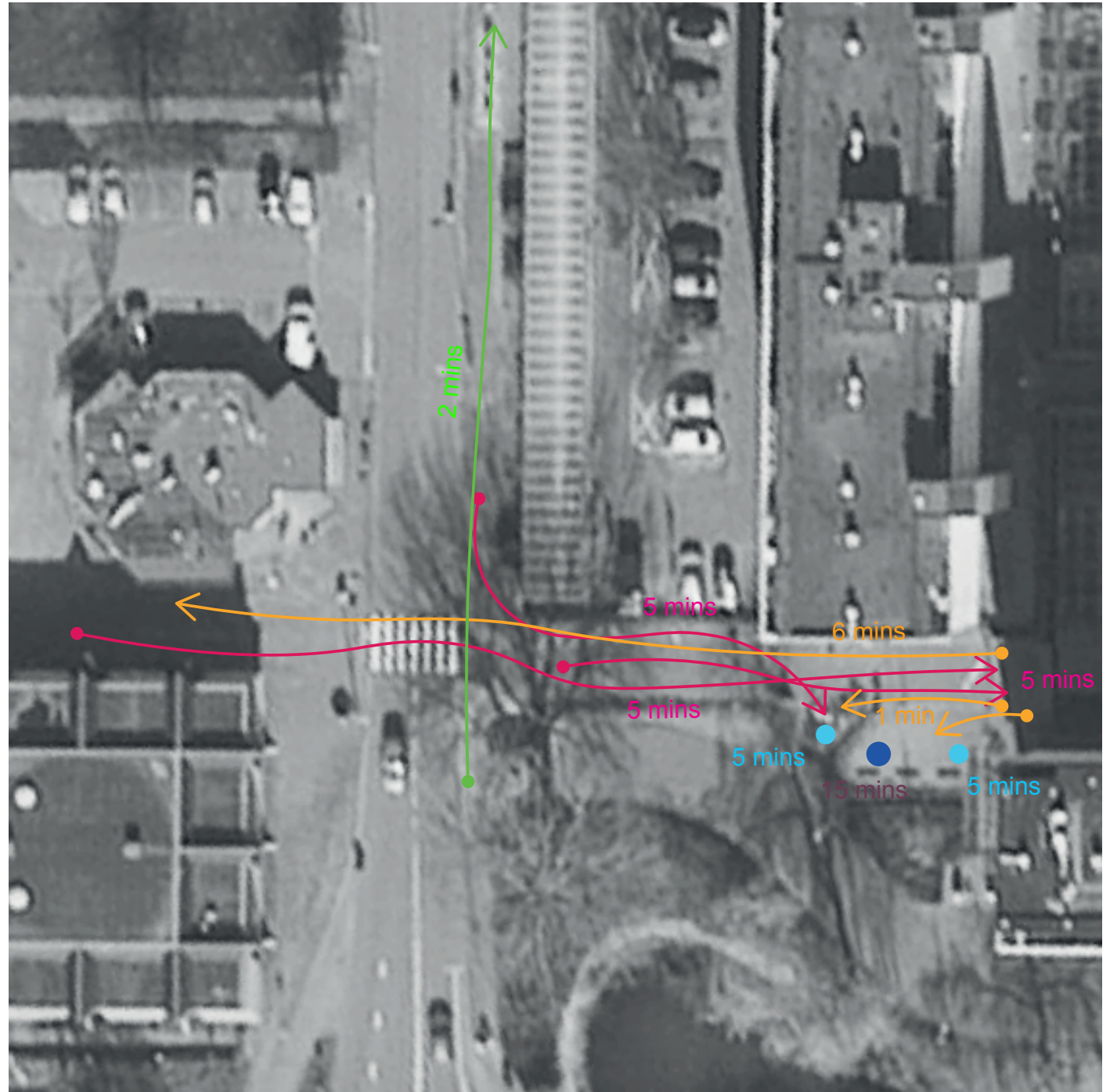
Vishandel Knoester
Openingstijden: 9:00 - 18:00

Bloemenwinkel
Openingstijden: 9:00 - 18:00

Fit All Day
Openingstijden: 7:00 - 23:00

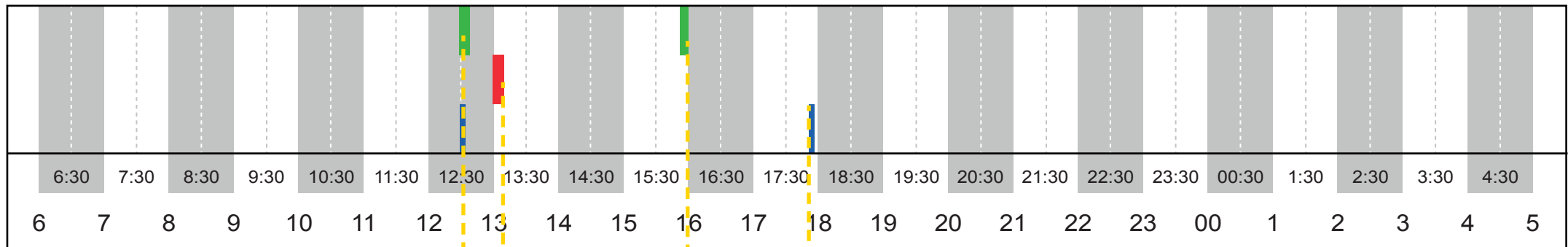
Solarium
Openingstijden: 9:00 - 22:00

Analysing the Flows



Location 2

Documenting the Different Flows



12:30 - 12:40



13:00 - 13:10

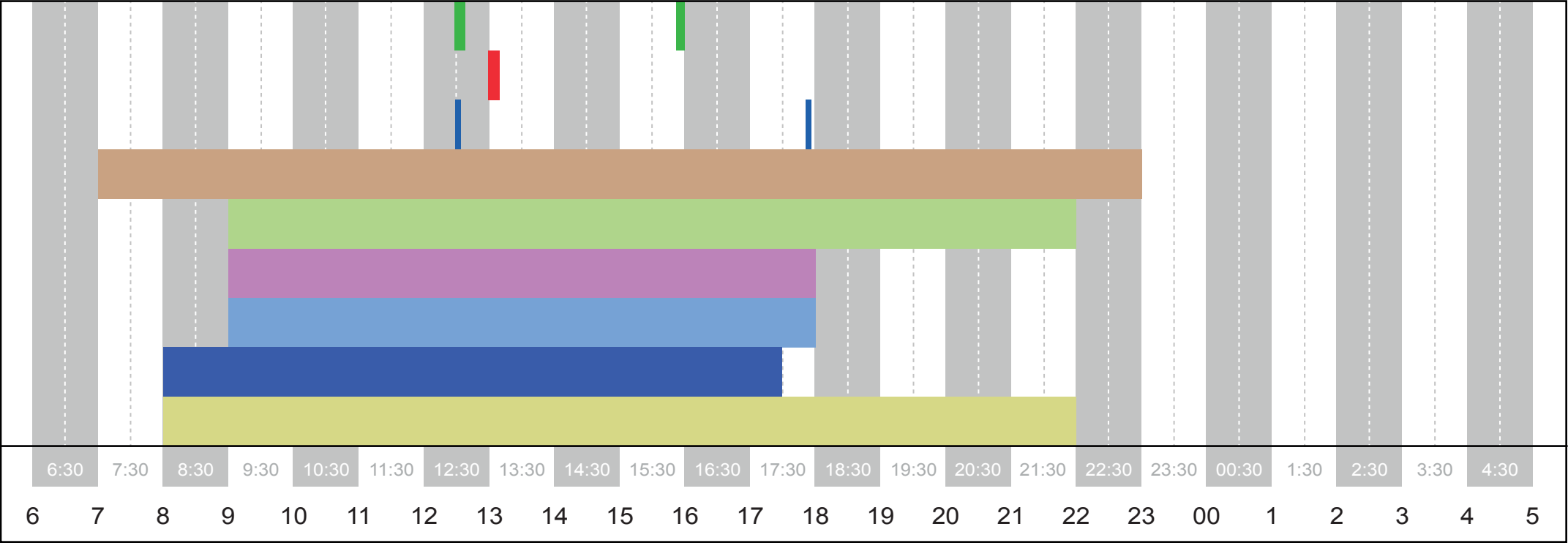


15:50 - 16:00



17:40 - 17:45

Location **2**
Overall Rhythm Analysis



Location 3

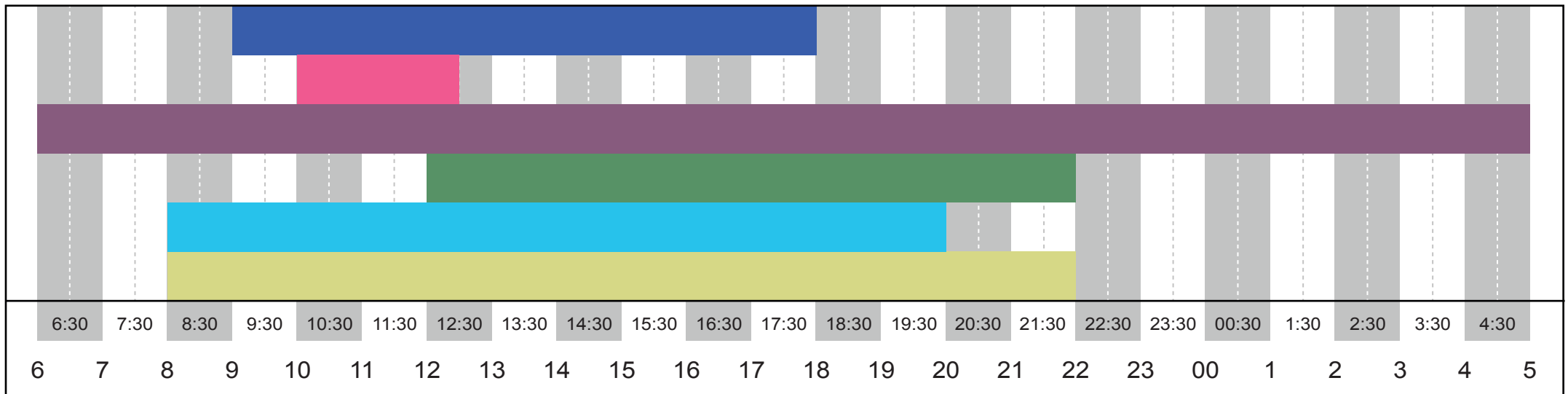
Function Analysis

-  Winkelcentrum
Openingstijden: 8:00 - 22:00
-  Other Shops
Openingstijden: 9:00 - 18:00
-  Albert Heijn
Openingstijden: 8:00 - 20:00
-  Chinese Restaurant
Openingstijden: 12:00 - 22:00
-  ATM
Openingstijden: 24 Hrs
-  Kerk
Openingstijden: 10:00 - 12:30



Location 3

Documenting the Functions



 Winkelcentrum
Openingstijden: 8:00 - 22:00

 Other Shops
Openingstijden: 9:00 - 18:00

 Albert Heijn
Openingstijden: 8:00 - 20:00

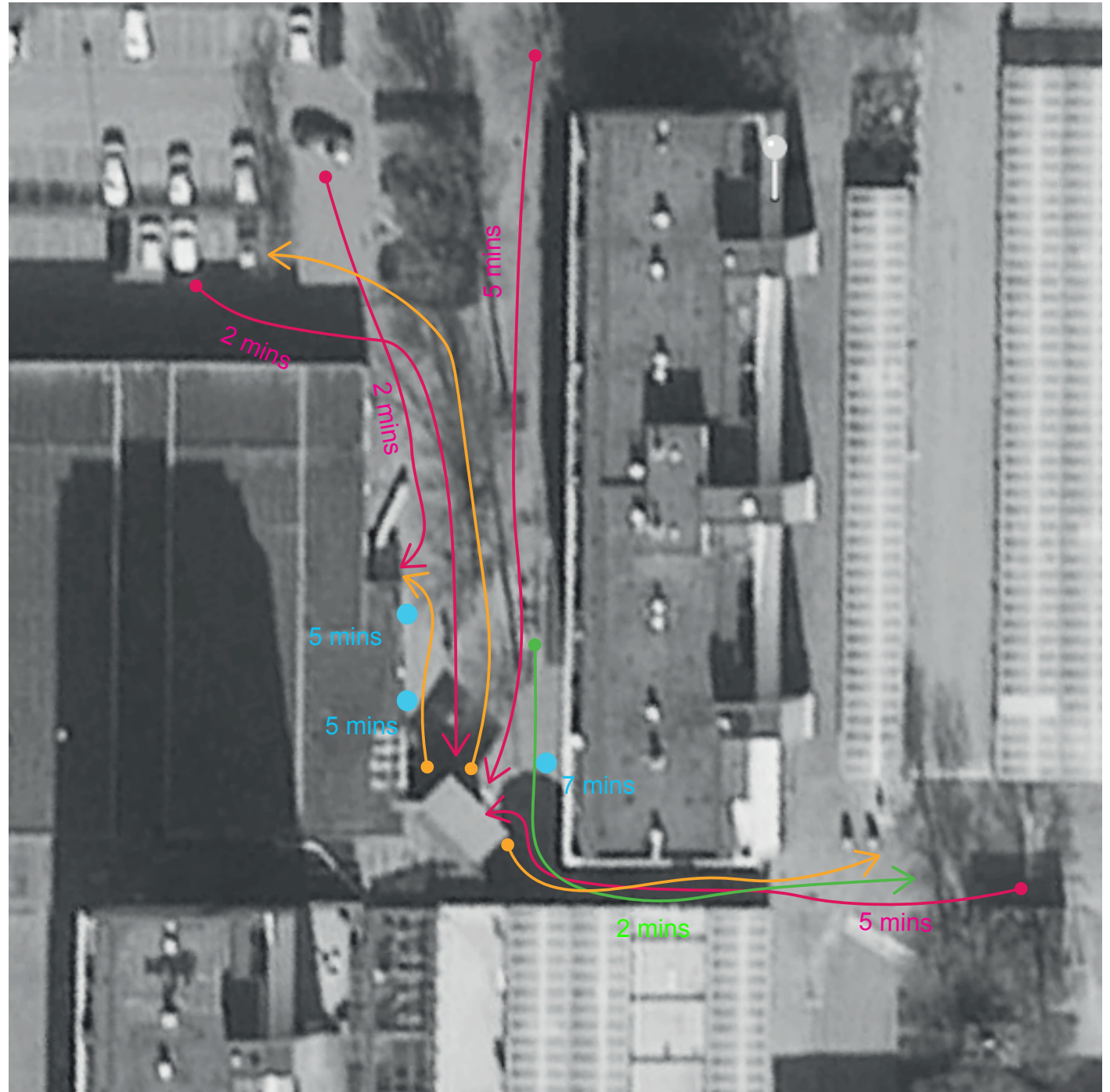
 Chinese Restaurant
Openingstijden: 12:00 - 22:00

 ATM
Openingstijden: 24 Hrs

 Kerk
Openingstijden: 10:00 - 12:30

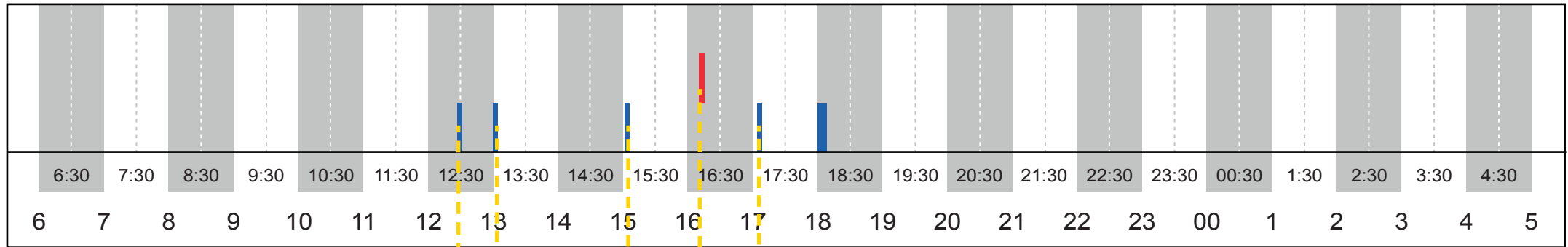
Location 3

Analysing the Flows



Location 3

Documenting the Different Flows



12:20 - 12:30



13:00- 13:15



15:00 - 15:05



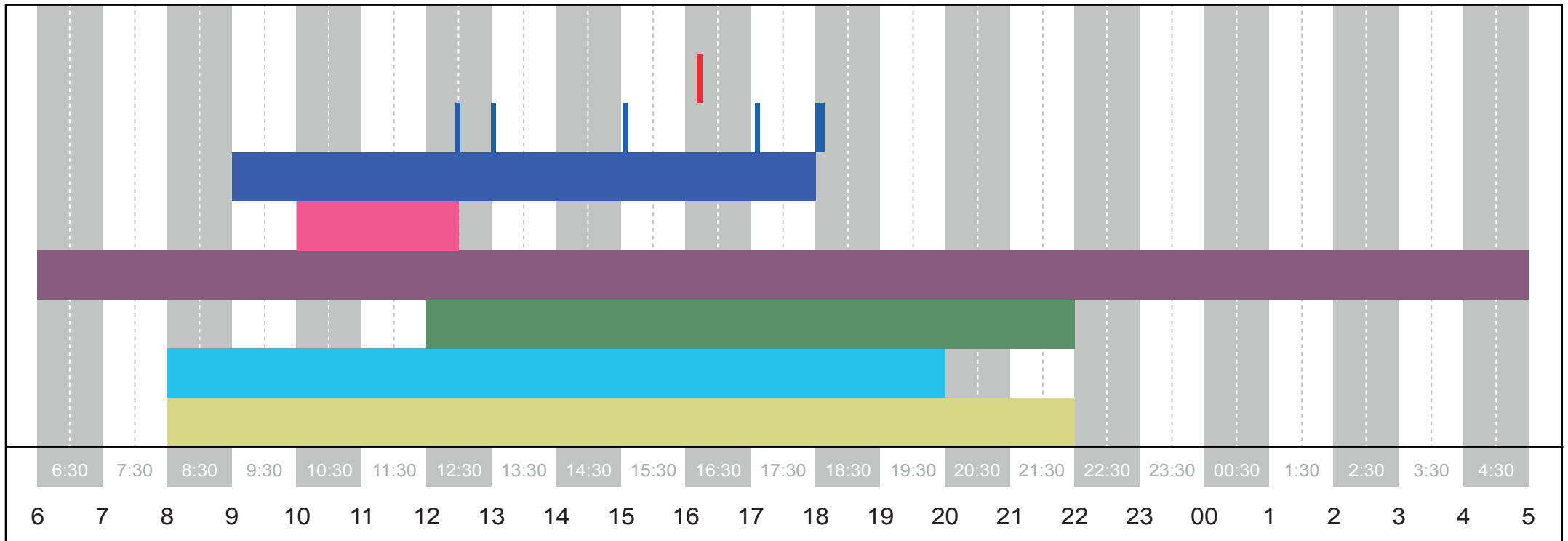
16:15 - 16:20



17:10 - 17:20

Location 3

Overall Rhythm Analysis



Location 4

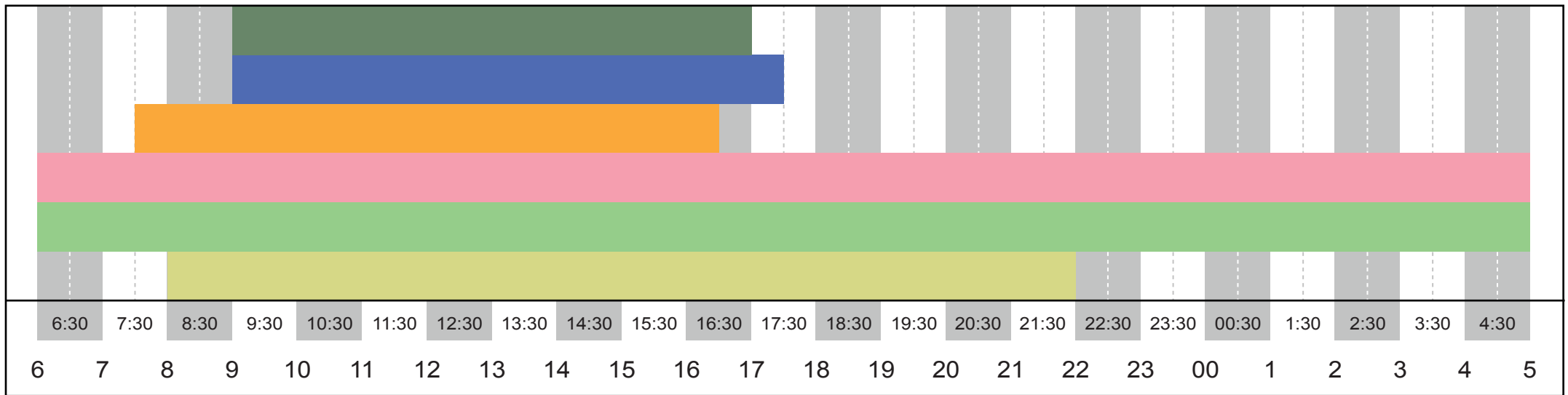
Function Analysis

-  Schools
Openingstijden: 7:30 - 16:30
-  Twins Hair Salon
Openingstijden: 9:00 - 17:30
-  WAS3ZICHT
Openingstijden: 9:00 - 17:00
-  Residential Building
Openingstijden: 24 Hrs
-  Green Area
Openingstijden: 24 Hrs



Location 4

Documenting the Functions



Schools

Openingstijden: 7:30 - 16:30



Twins Hair Salon

Openingstijden: 9:00 - 17:30



WAS3ZICHT

Openingstijden: 9:00 - 17:00



Residential Building

Openingstijden: 24 Hrs



Green Area

Openingstijden: 24 Hrs

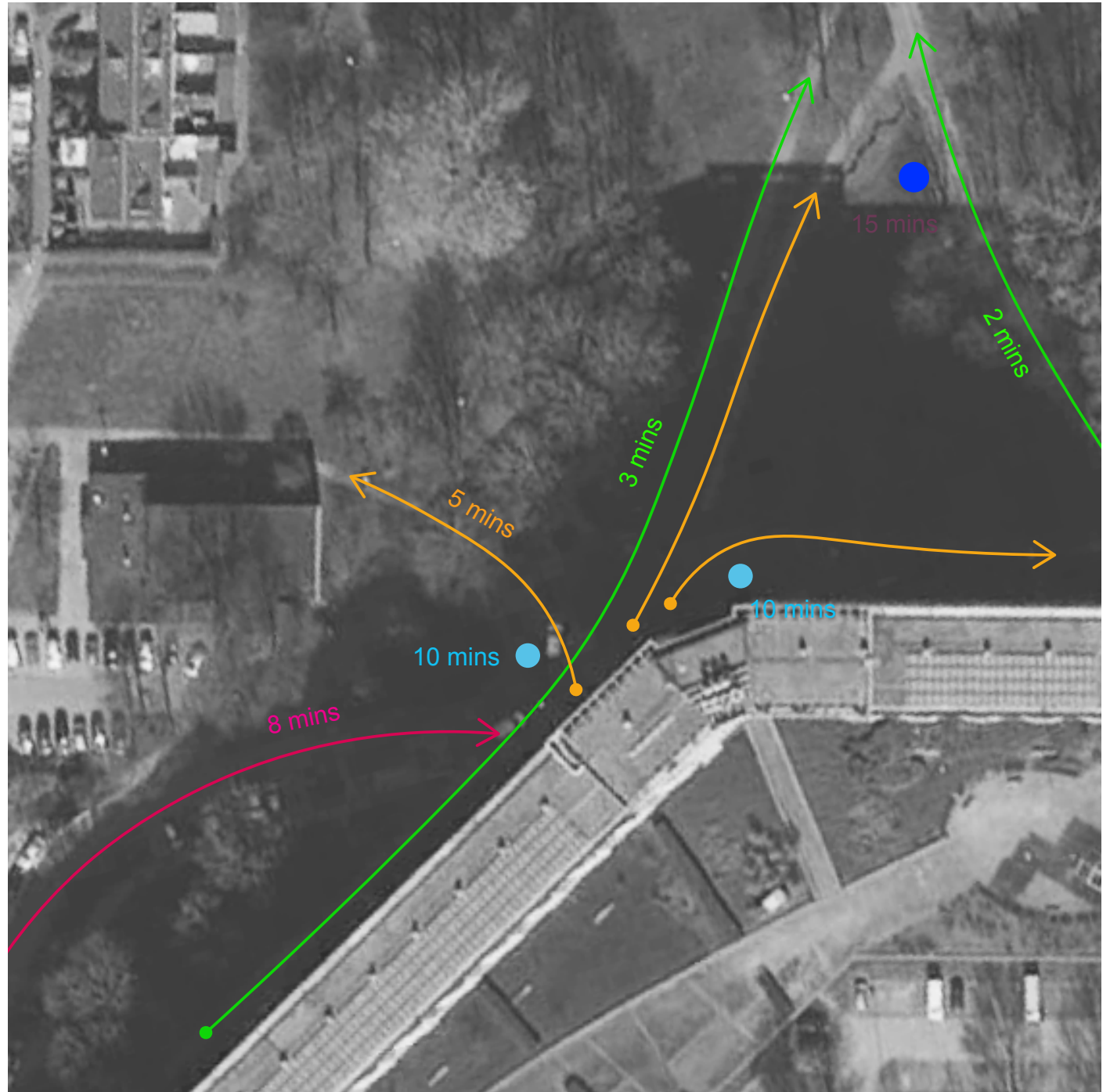


Winkelcentrum

Openingstijden: 8:00 - 22:00

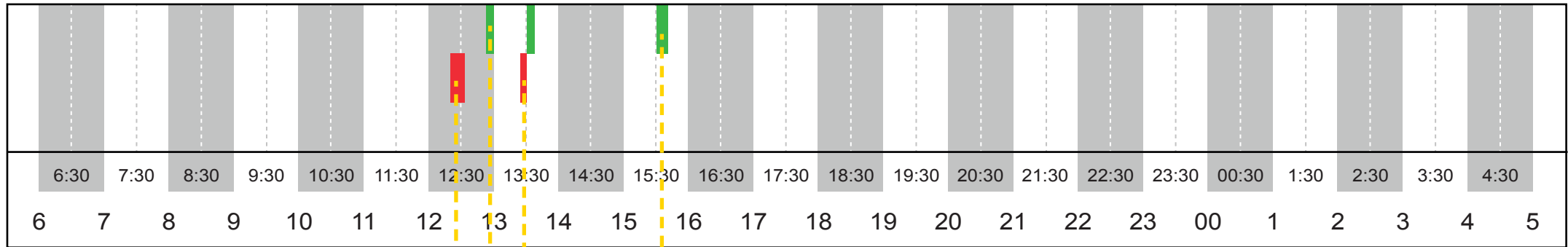
Location 4

Analysing the Flows



Location 4

Documenting the Different Flows



12:10 - 12:30



12:50 - 13:00



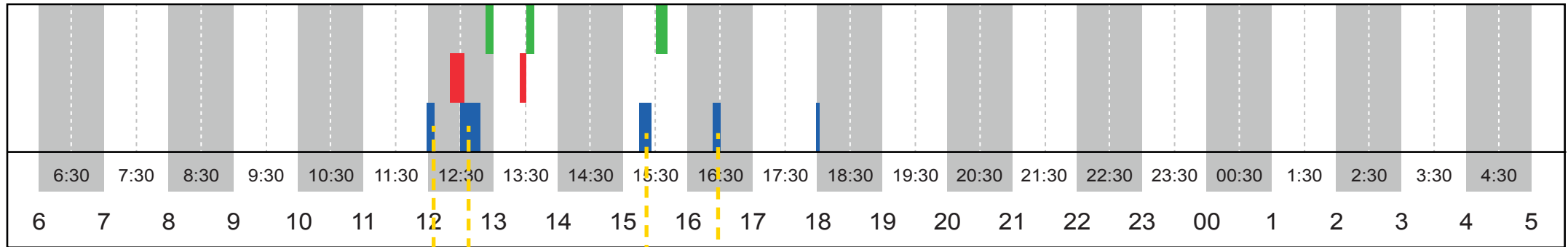
13:20 - 13:30



15:30 - 15:40

Location 4

Documenting the Different Flows



12:00- 12:10



12:30 - 12:50



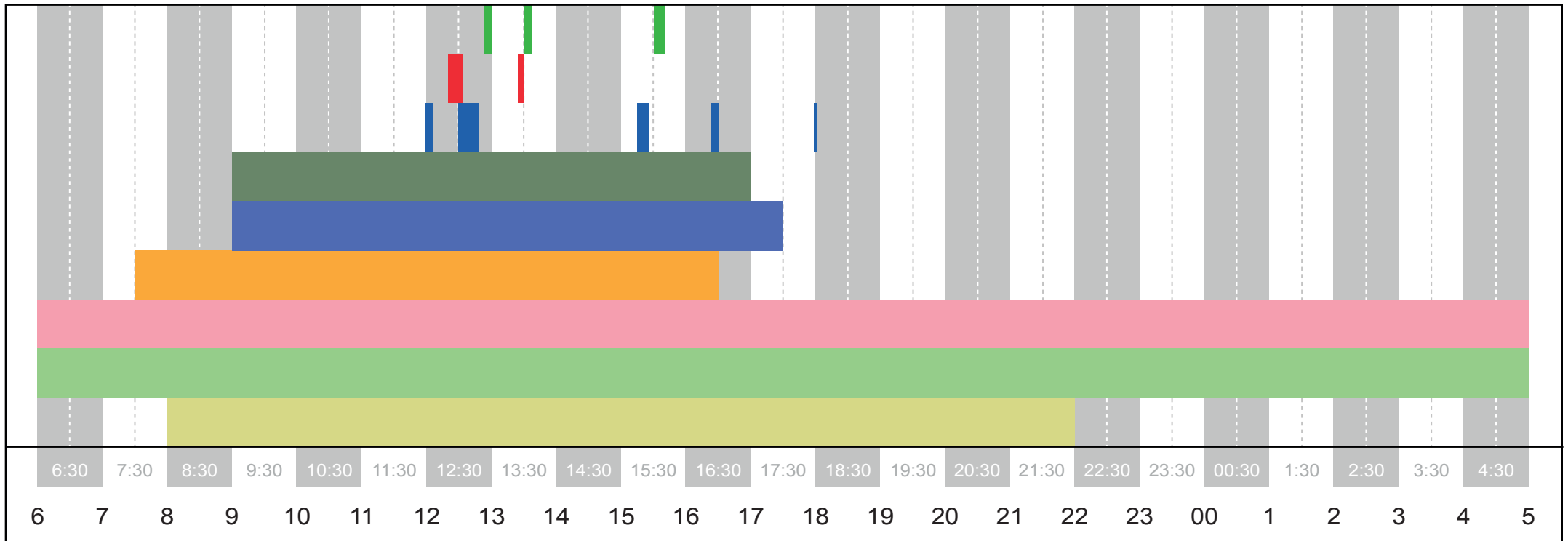
15:00 - 15:15



16:20 - 16:30

Location 4

Overall Rhythm Analysis



3. DATA ANALYSIS

Data Analysis, Meerzicht:

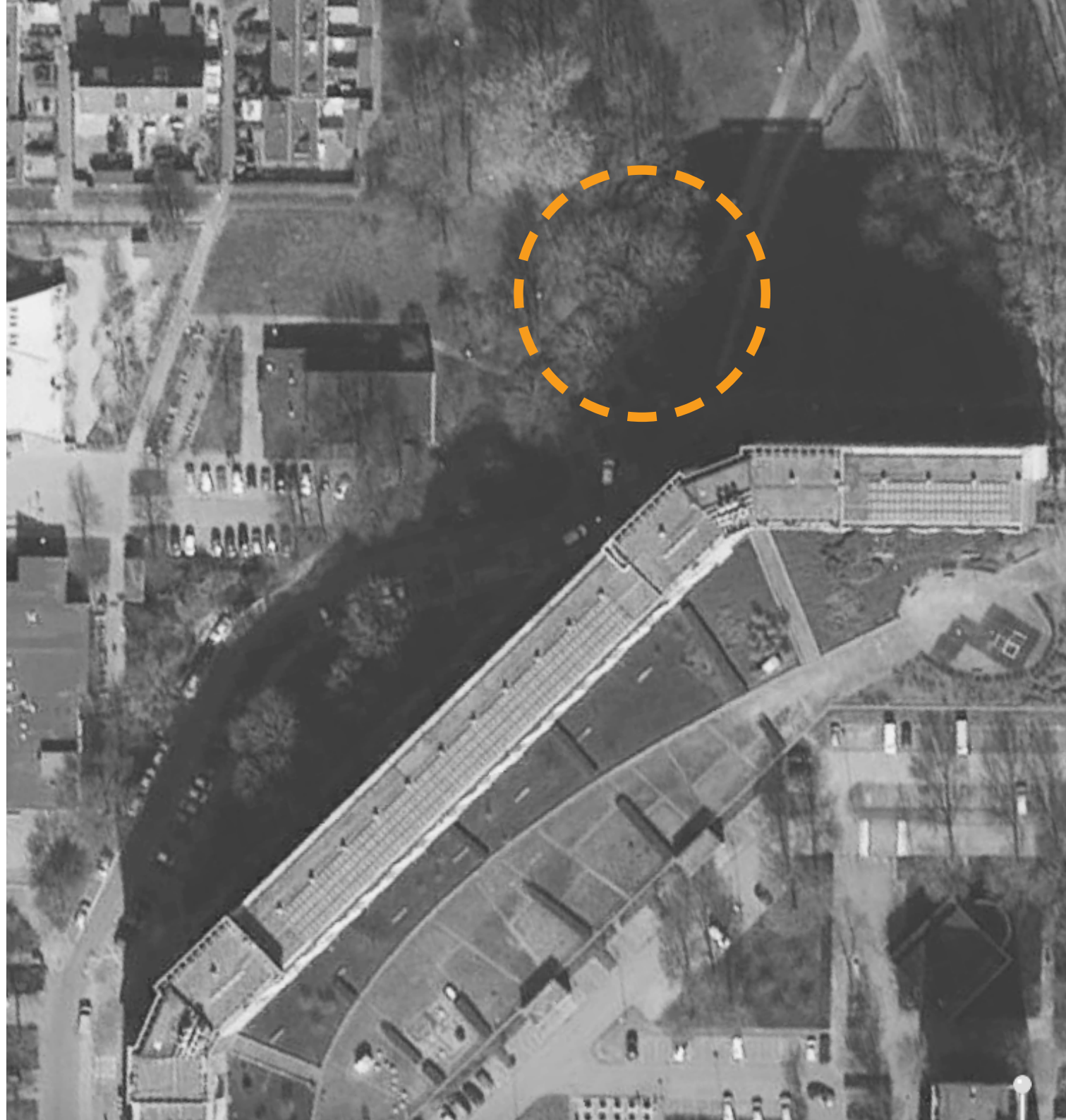
Topics

- 1 Information on Dog Walking
- 2 Standing Points, Where Hang Out
- 3 Traffic, Flows of People, Movement
- 4 Trash Disposal or Trash On Street
- 5 Information on Well Being, Economical and Family Situation

Data Topic 1

Dog Walking

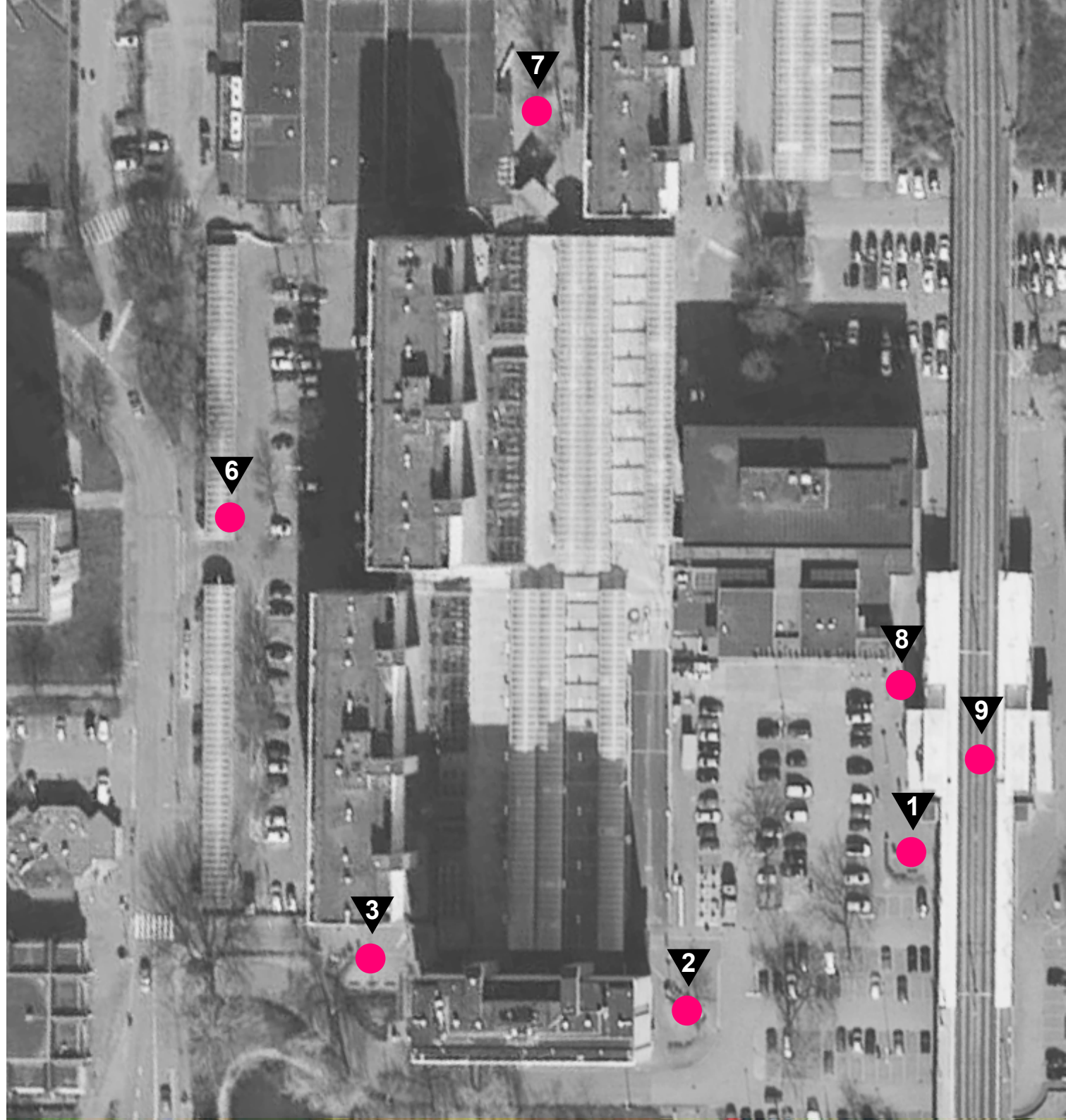
- Data on dog poop
- Data on registered dog owners
- Rules on dogs
- Hondenuitlaatkaart



Data Topic 2

Standing Spots

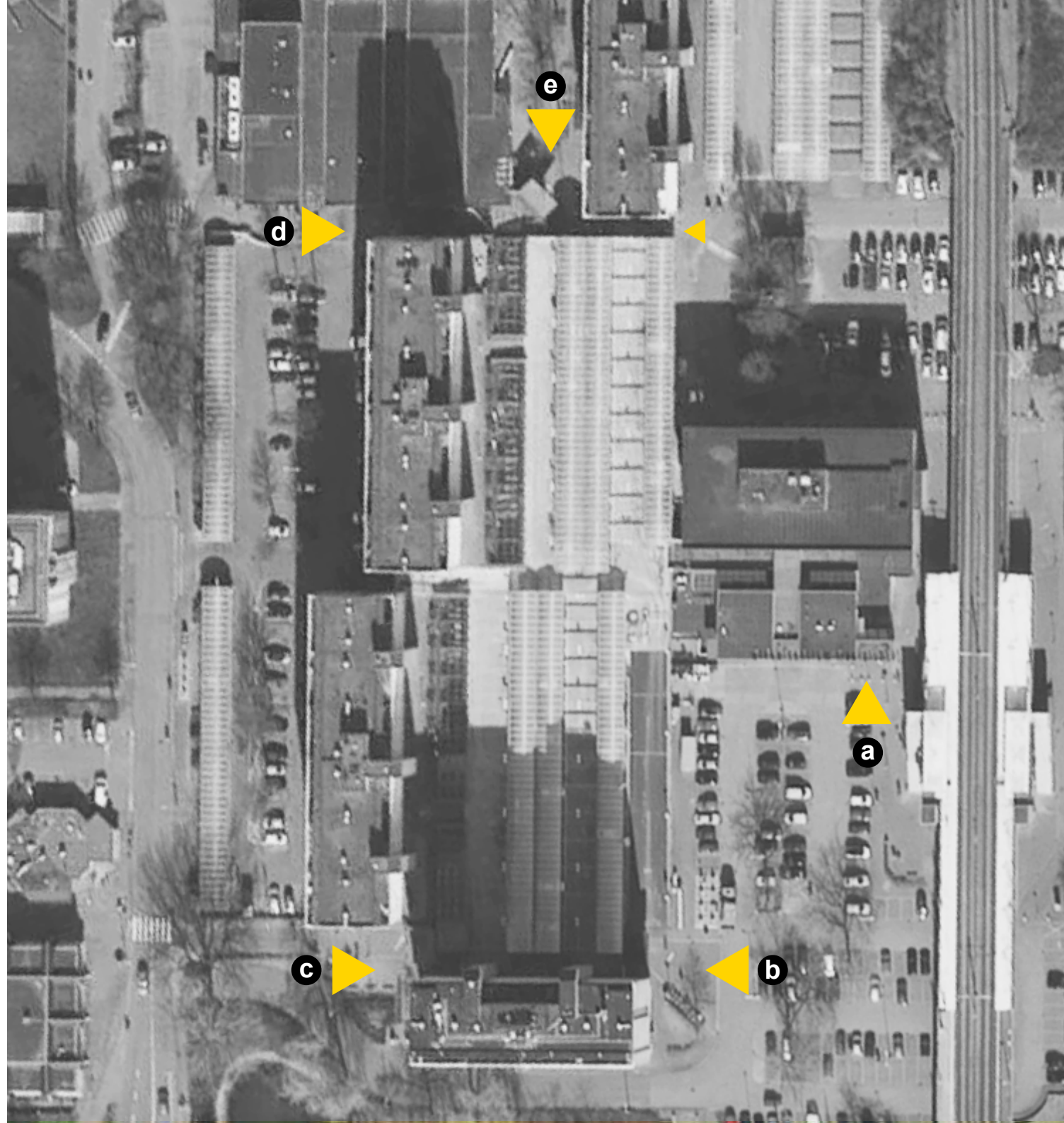
- Data on Small Trash
- Plastik Blink Drankkartons
- Glas op Straat
- Cleaning Data



Data Topic 3

Traffic

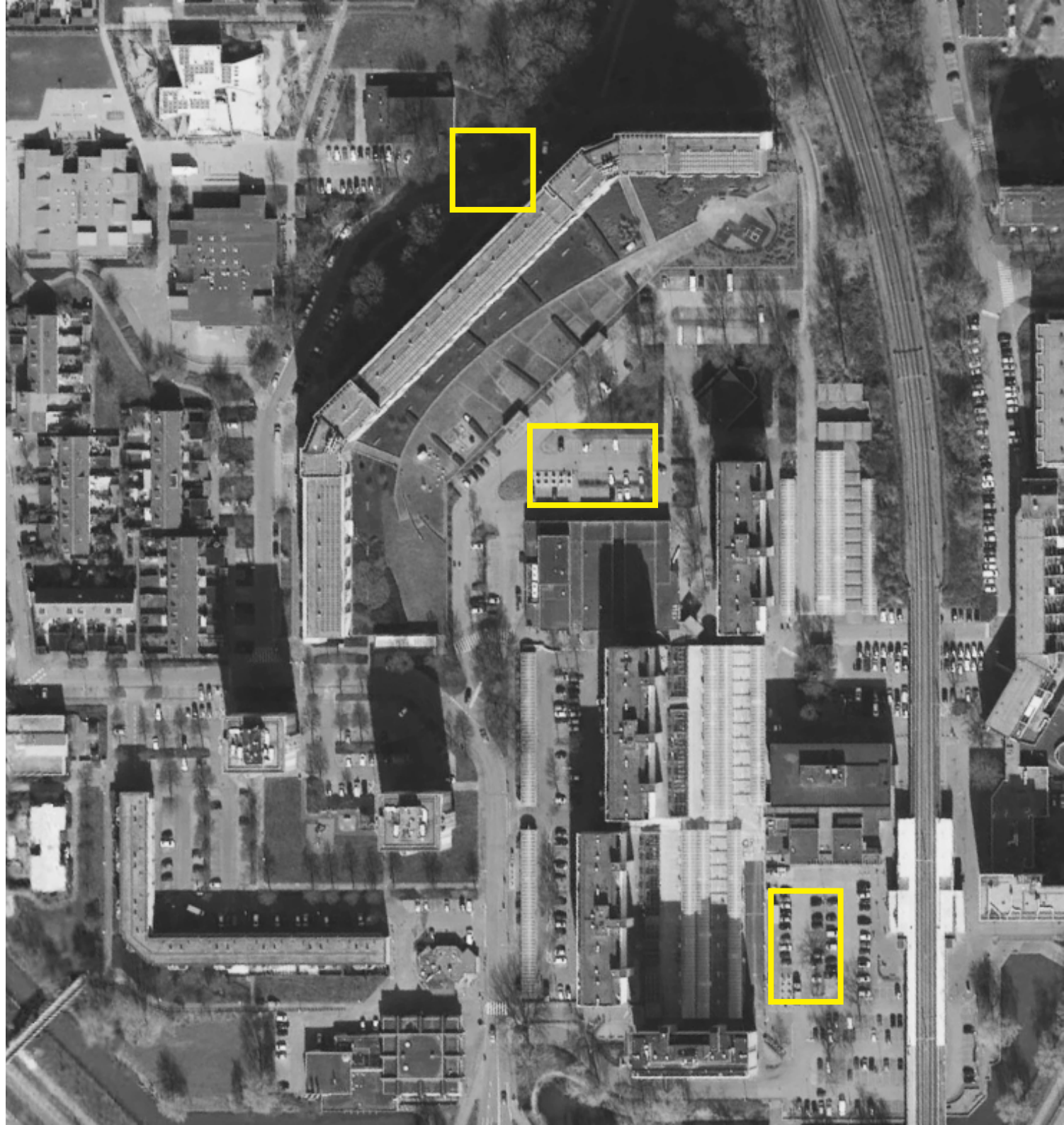
- Meldingen about car parking
- Meldingen about bikes
- Flitsmeister
- Public transportation schedule



Data Topic 4

Disposing Trash

- Trash card
- Emptying the trash bins



Data Topic 5

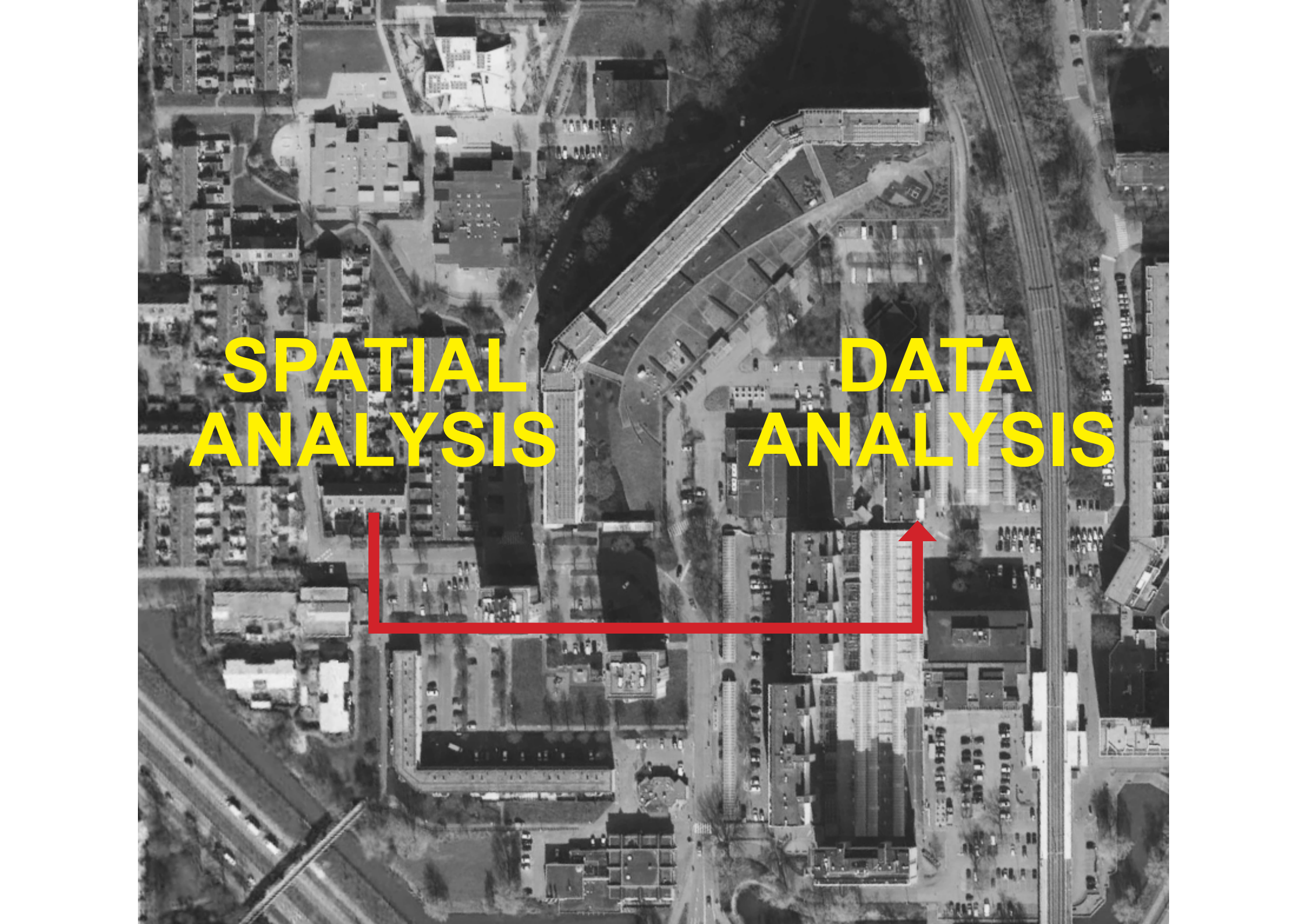
Well Being

- Open CBS Data on income
- Data on density
- Data on demographics



4. CONCLUSION

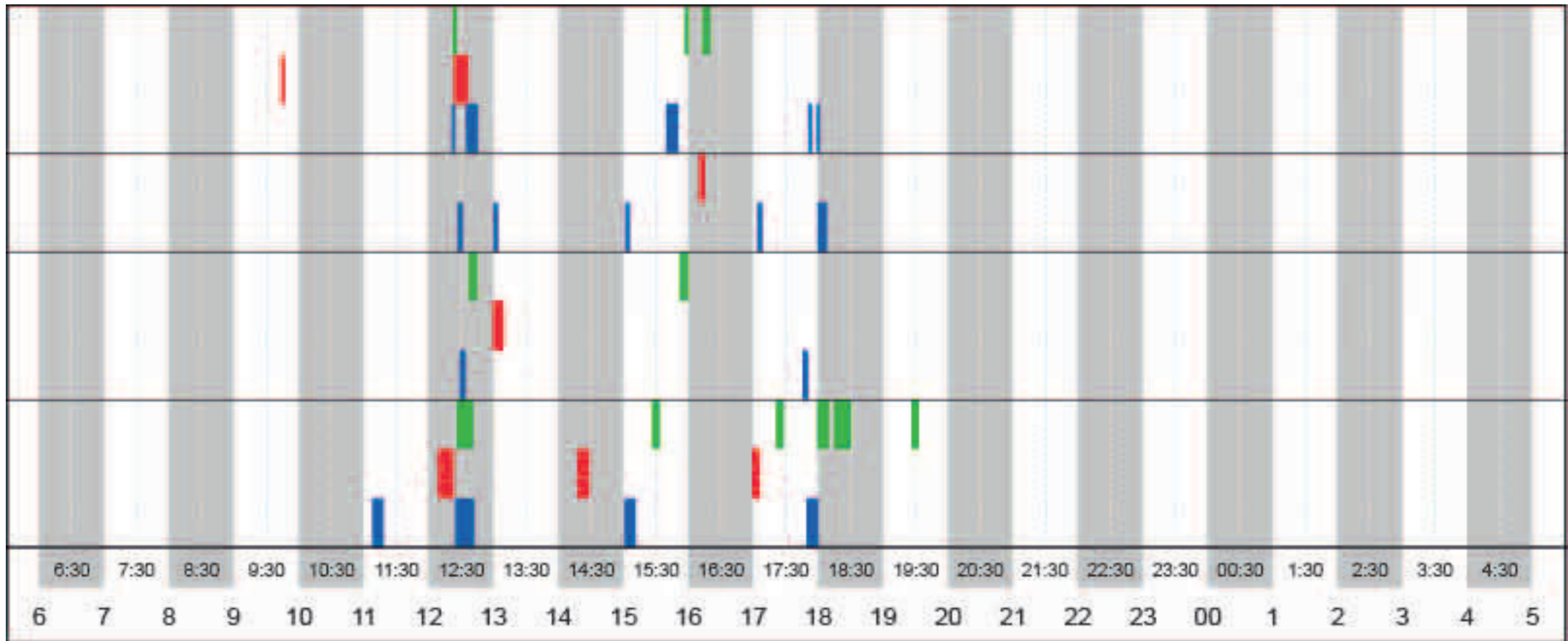




**SPATIAL
ANALYSIS**

**DATA
ANALYSIS**

Rhythm Analysis in Physical Environment



Rhythm Analysis in Datasets







CITY RHYTHM

**VISUAL RESEARCH,
RHYTHMANALYSIS
MEERZICHT,
ZOETERMEER**