UW
SUPPLY CHAIN TRANSPORTATION
AND LOGISTICS

Alley Truck Load/Unload Occupancy Study
Urban Freight Lab
Final 50': Goods Delivery System Research Project
Task Order 4

Training Session - Winter 2018

Project goal

Observe parking activity on alleys to determine minutes vacant and minutes occupied by:

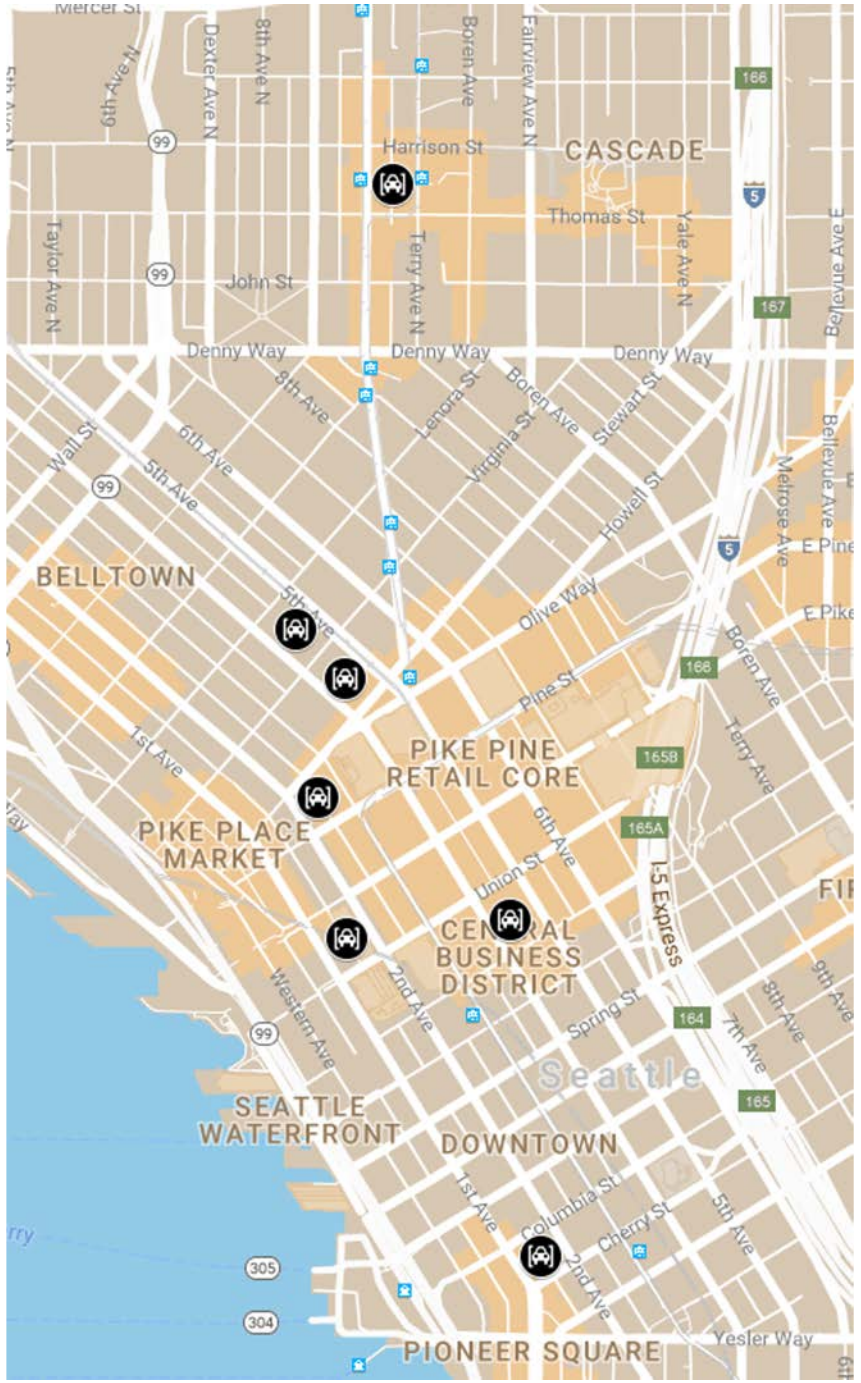
- Commercial vehicles
- Passenger vehicles acting as delivery vehicles
- Cargo bikes and trikes

Study areas

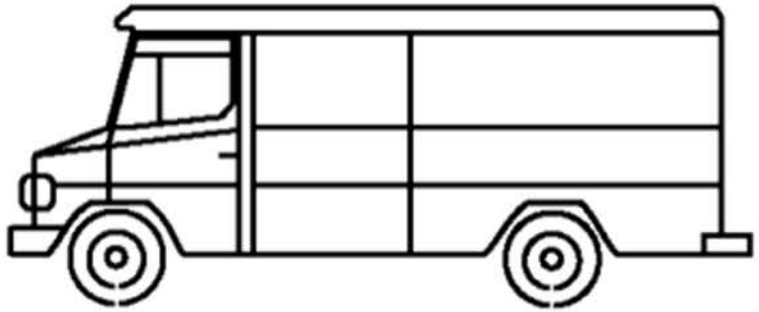
We will document freight activities in 10 alleys in:

- Downtown
- South Lake Union

Four alley locations need to be defined



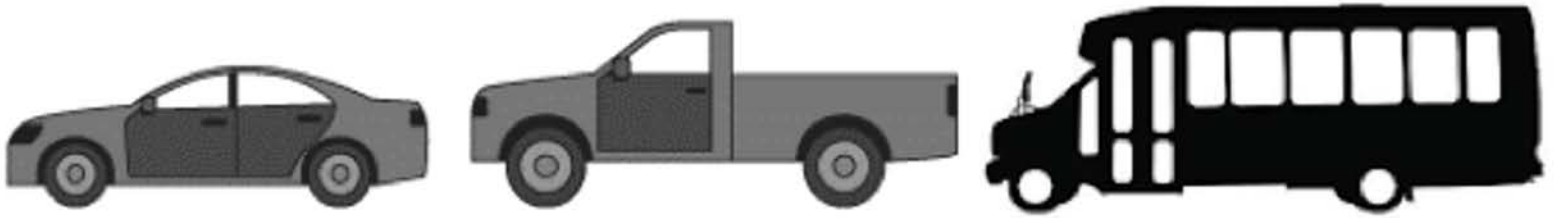
Typology of vehicles

CARGO VAN	
SERVICE VAN	
VAN	In the case that the van does not show enough information to know if it is **Service van or Cargo van**

Typology of vehicles

BOX TRUCK		Single unit trucks & three or less axles
TRUCK		Truck with trailer or with four or more axles
CARGO – BIKE		

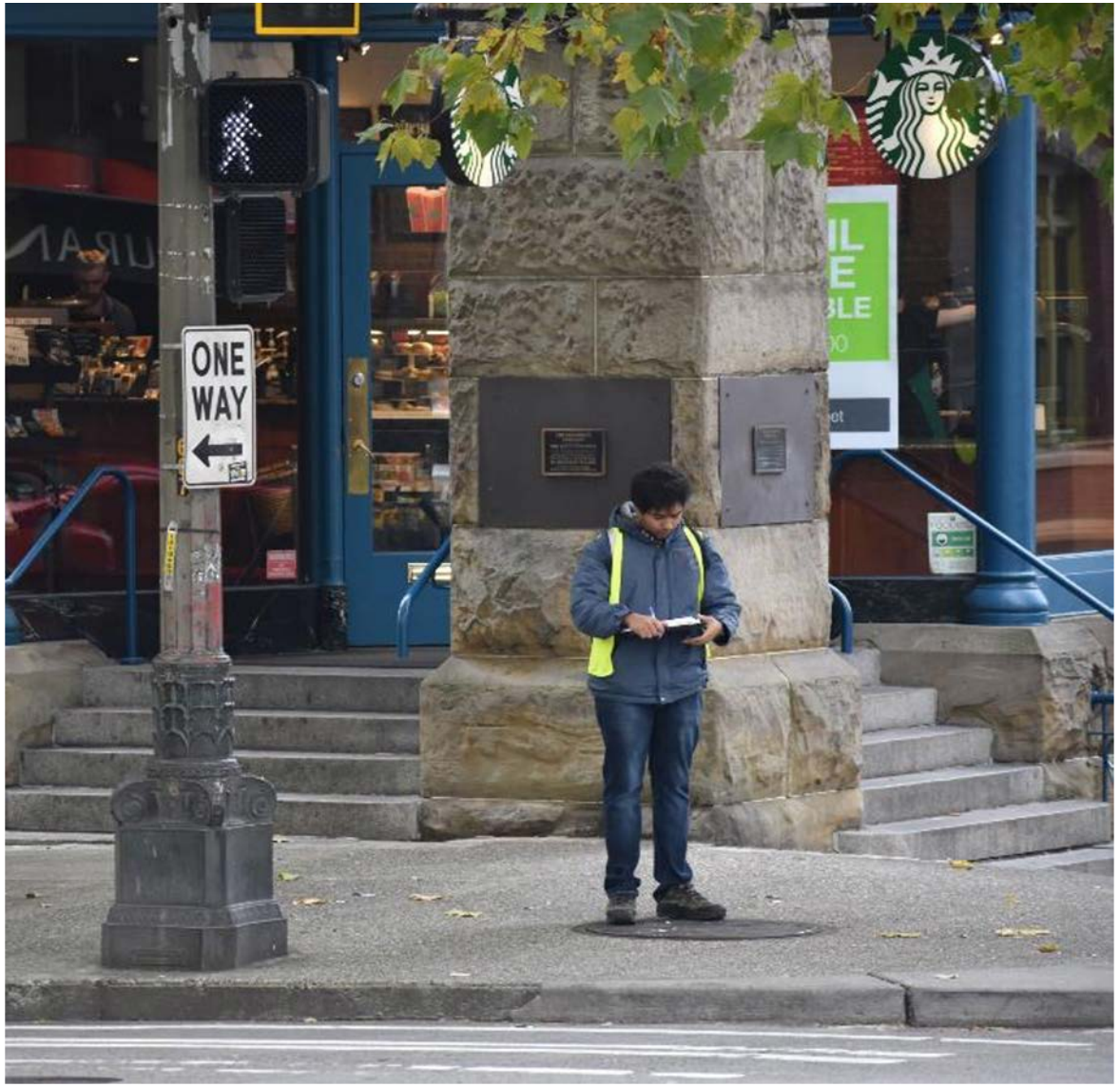
Typology of vehicles

PASSENGER	
OTHER	Motorcycle, police or fight fighter and taxi.

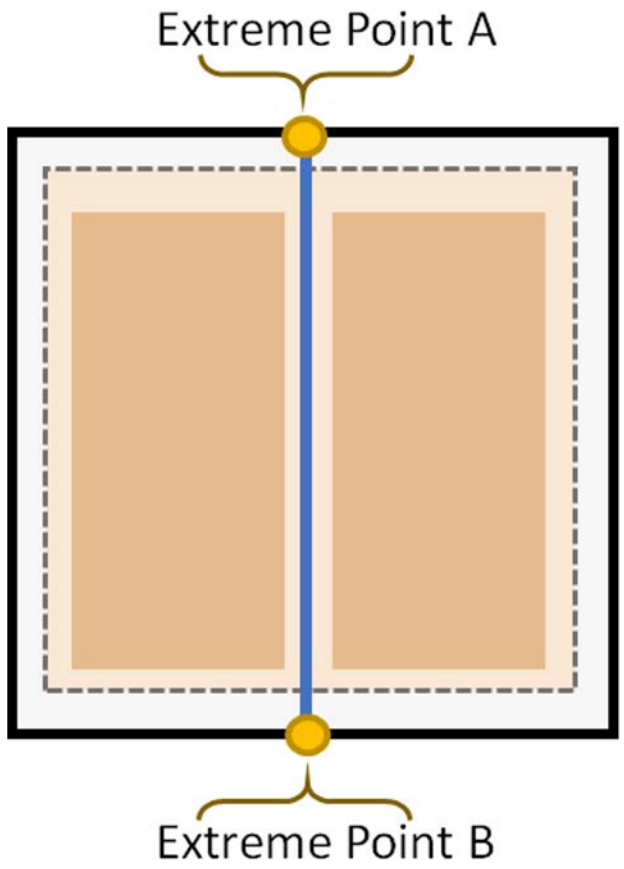
Data collection method

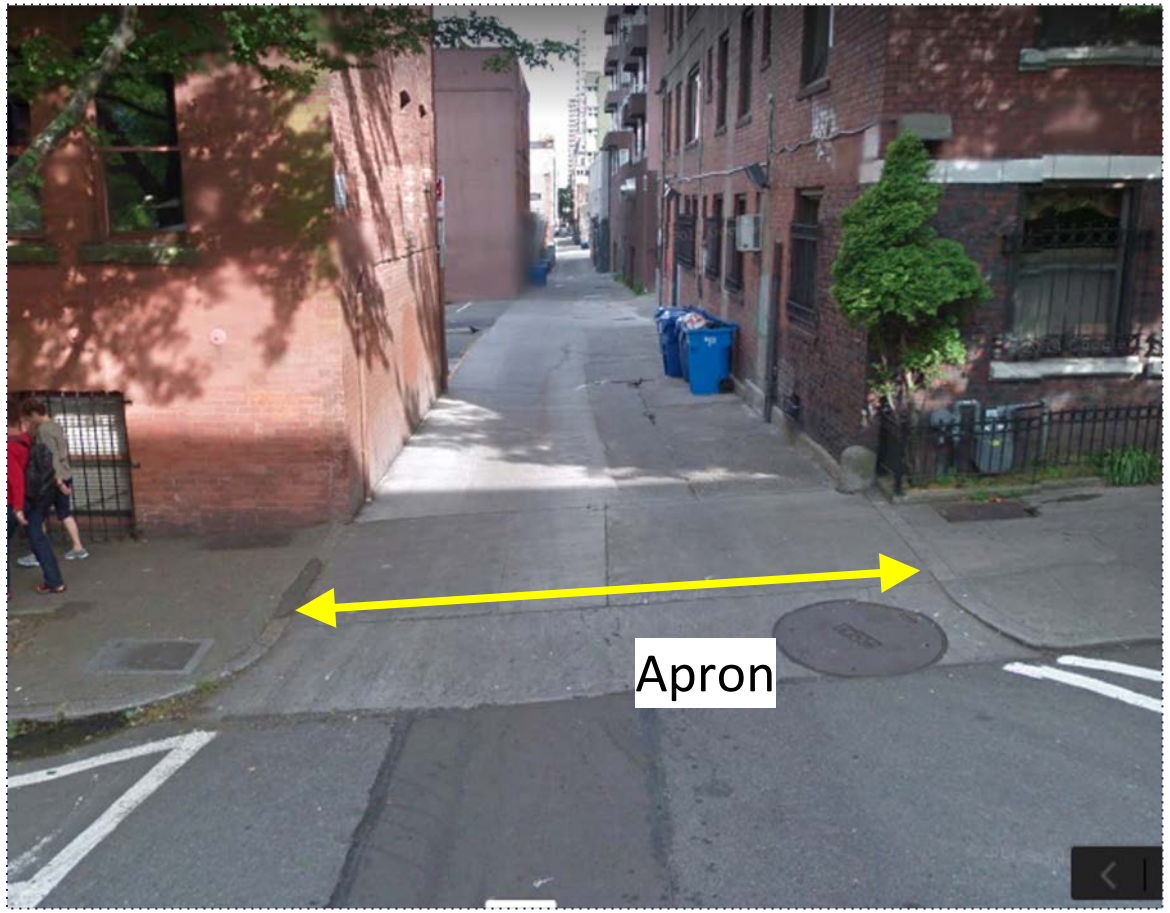
Human observers will monitor selected alleys to document:

- Start and end time of stops on the alley
- Vehicle type and company name
- Obstructions caused by stopped vehicles



Terms to remember





Terms to remember

Parking garage

Surface Parking Lot

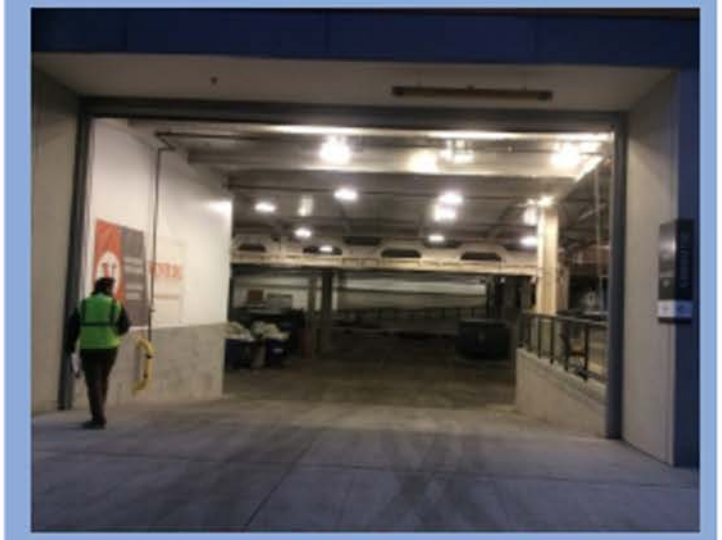
Terms to remember:
Freight Parking Infrastructure

Outside of building walls

EXTERIOR LOADING DOCK

EXTERIOR LOADING AREA

Interior of exterior wall

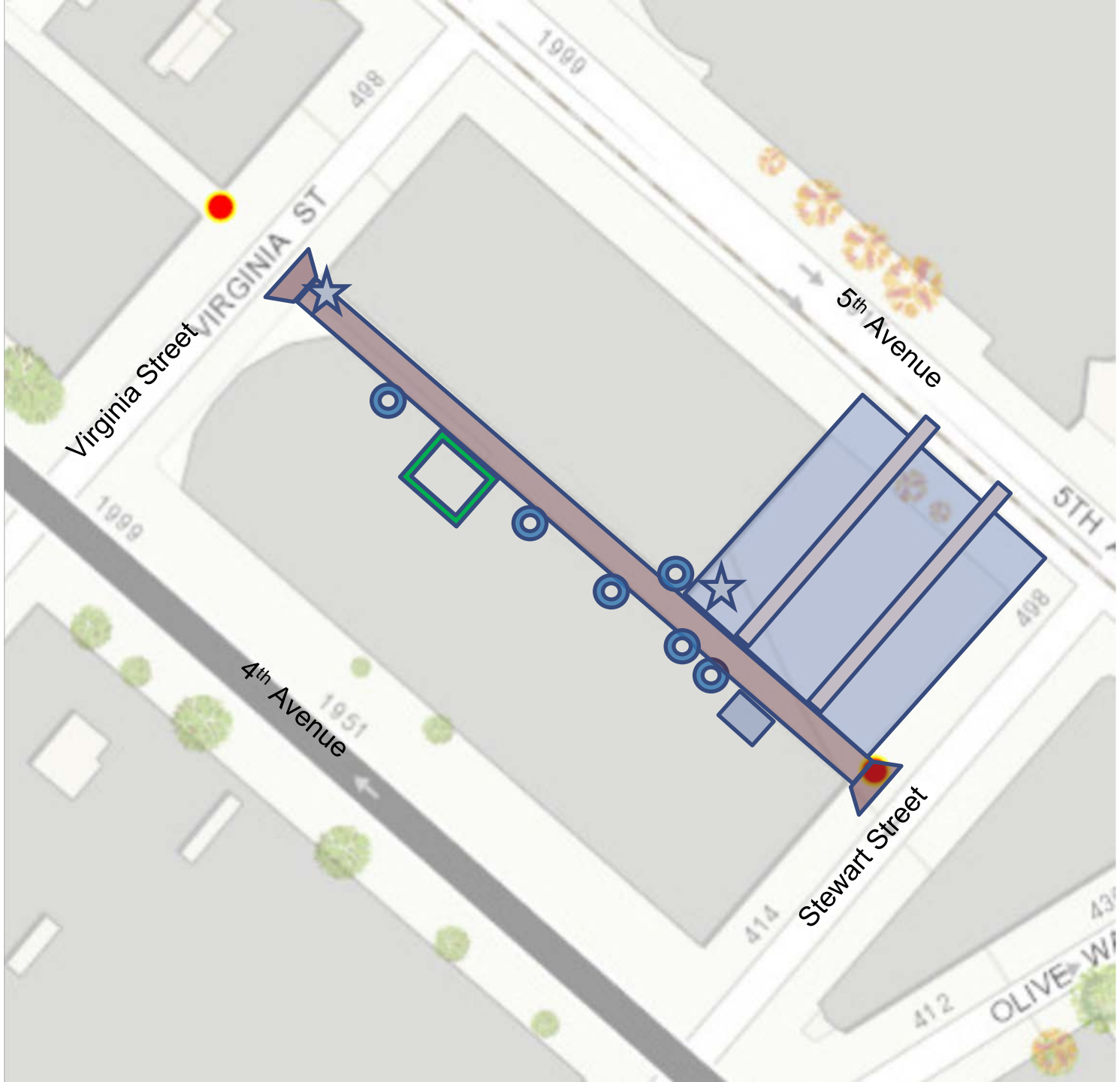


INTERNAL LOADING BAY

Terms to remember

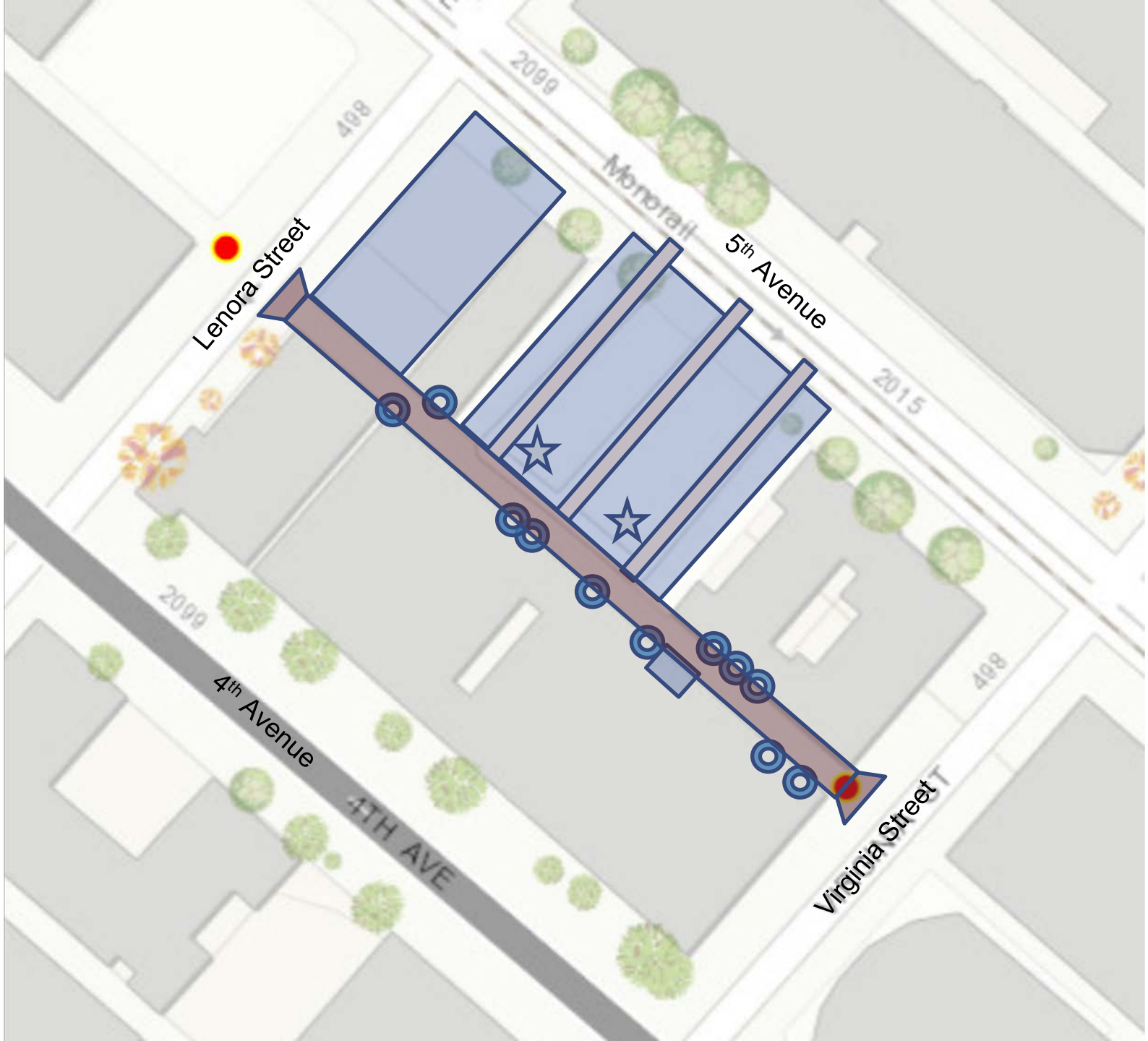
Driveway

Building Access



LEGEND

- Position
- Building Access
- Parking/Parking Entrance
- Driveway
- Alleyway
- Loading bay



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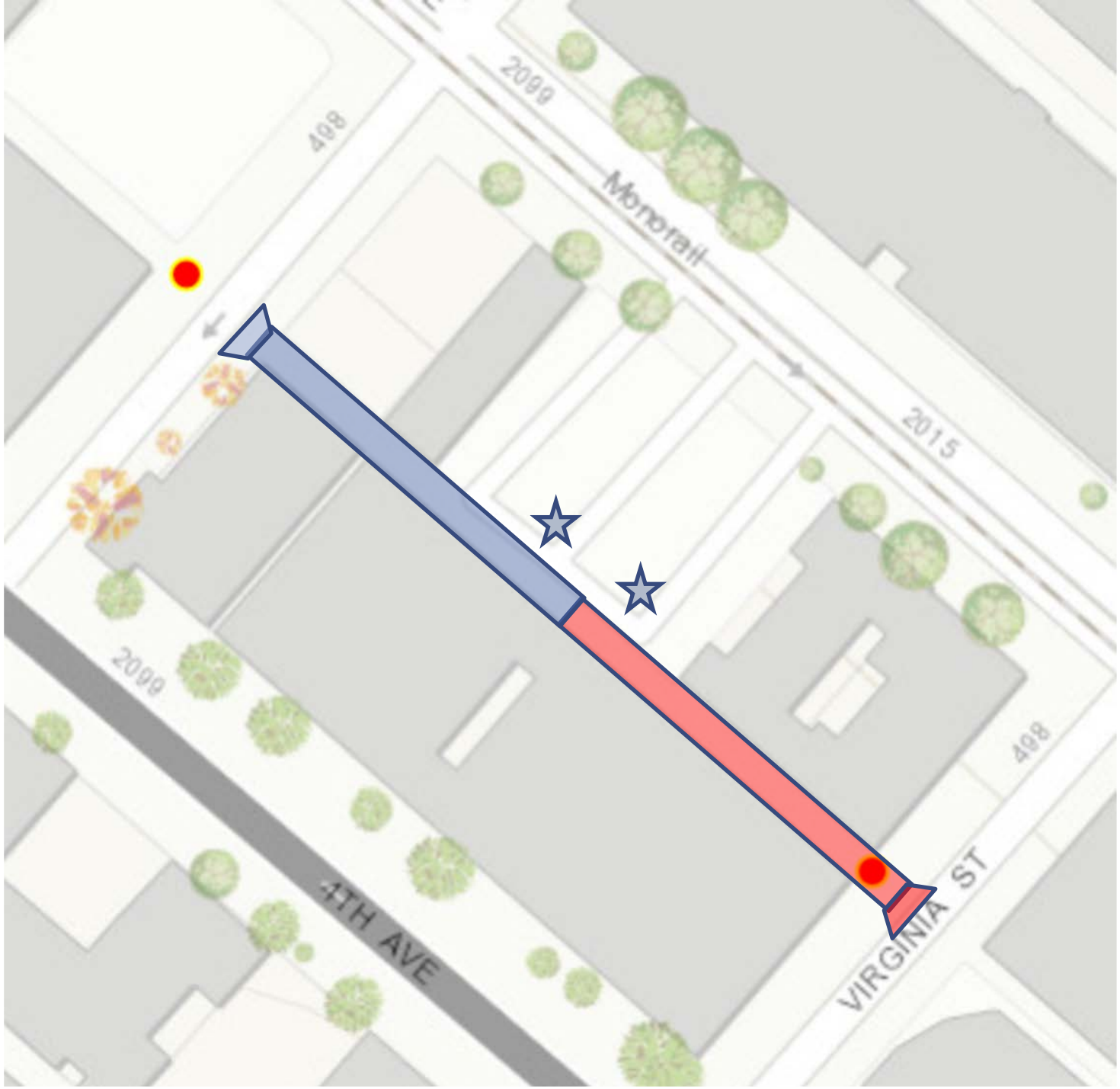
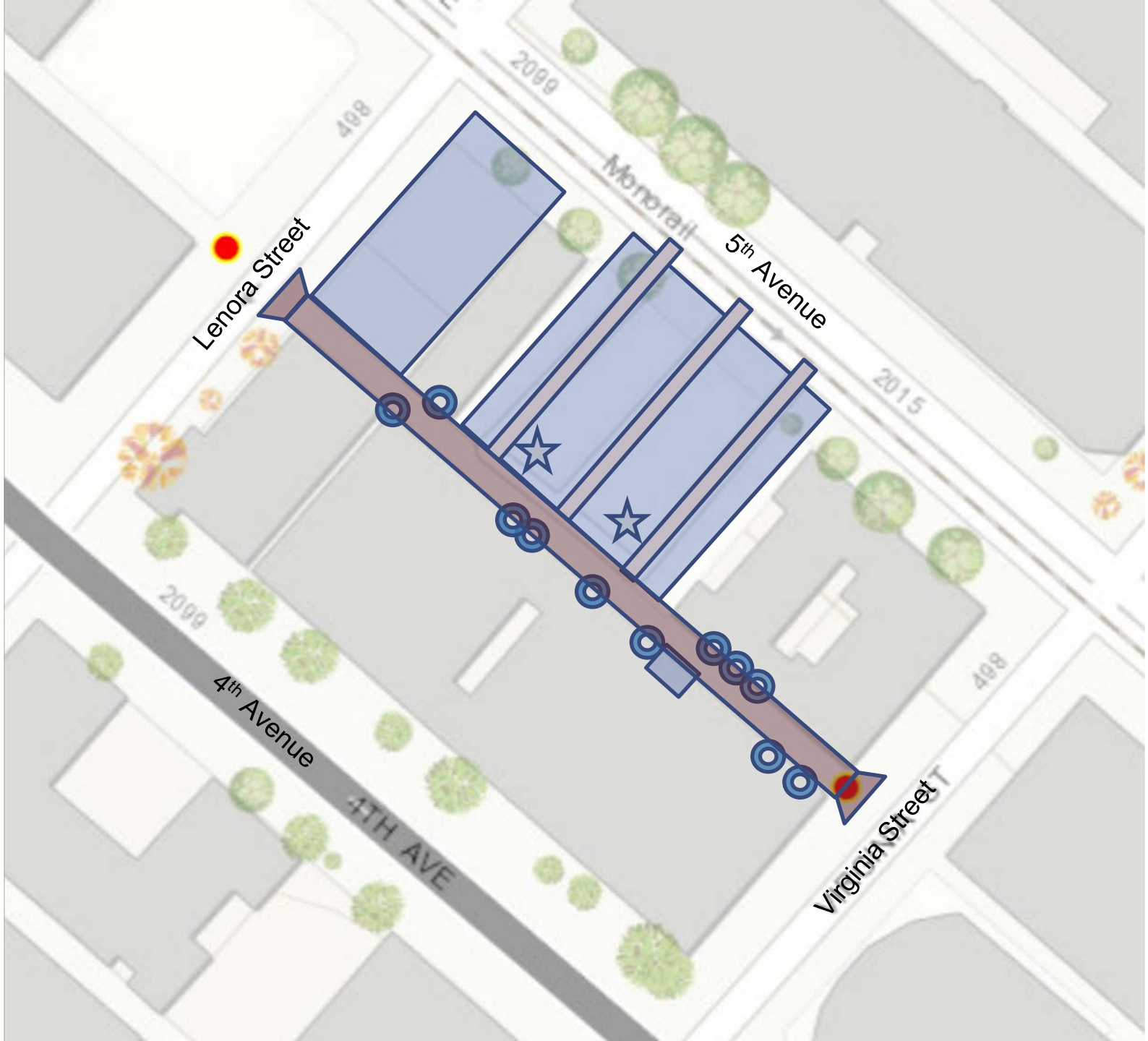

2099
408
Monorail
2015
2099
4TH AVE
408
VIRGINIA ST

Zone 1
Zone 2
Zone 3
Monorail
2099
498
2015
2099
498
4TH AVE
VIRGINIA ST



LEGEND

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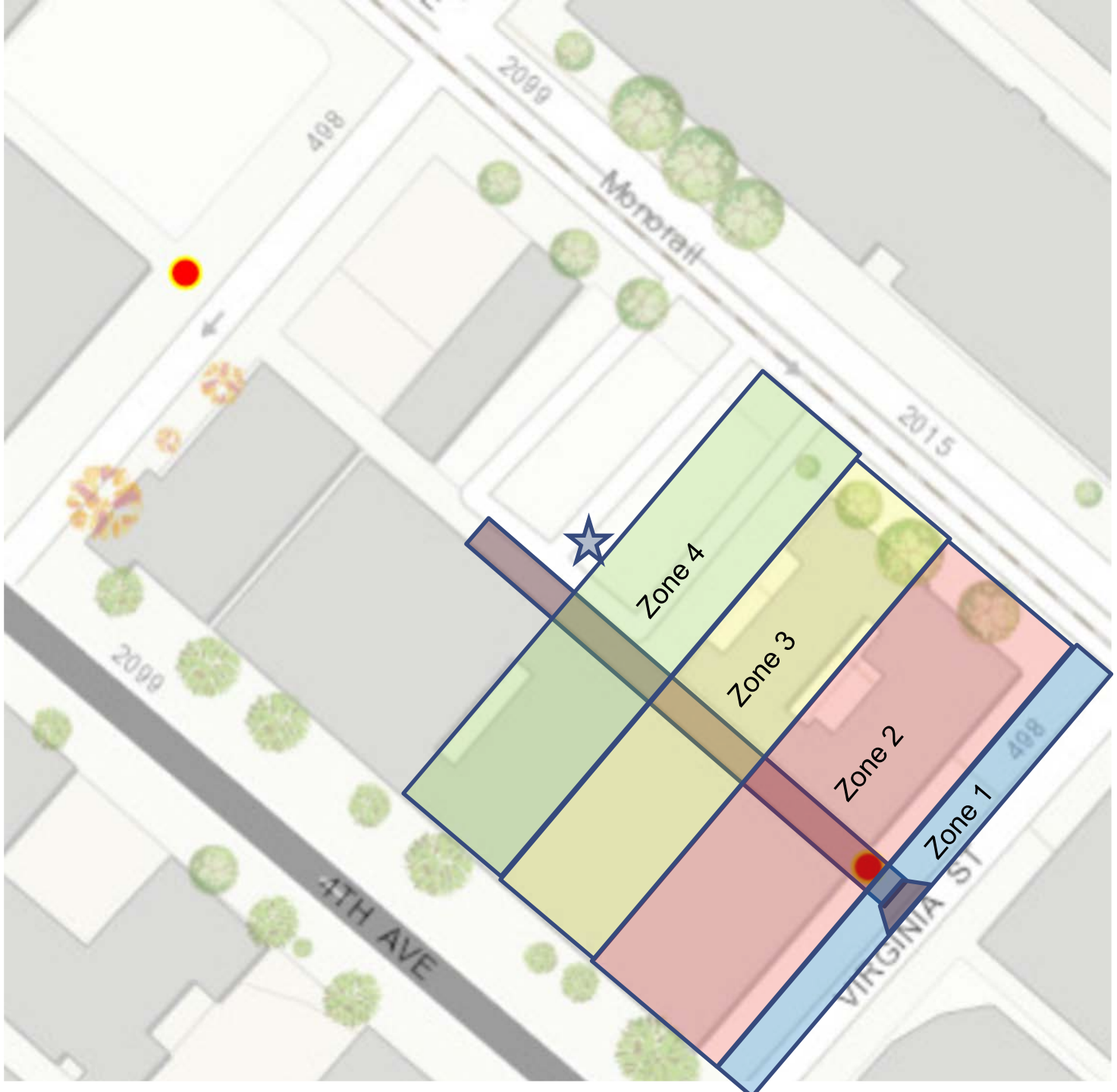
2099
498
Monorail
2015
2099
47TH AVE
Zone 4
Zone 3
Zone 2
Zone 1
498
VIRGINIA ST

Alley Observation Data Form: Alley		Collector initials:		Date:	
Vehicle type code: Truck (T) | Box truck (B) | Cargo Van (CV) | Service Van (SV) | Van (V) | Passenger & Pick-up (P) | Motorcycle (M) | Cargo-bikes ©					
Zone 1	**Zone 2**	**Zone 3**			**OBS**
A	A	A	B	C	
		PG / PD / Dri	PG / PD / Dri	PG / PD / Dri	
ST: // ET:	ST: // ET:	ST: // ET:	ST: // ET:	ST: // ET:	
		PG / PD / Dri	PG / PD / Dri	PG / PD / Dri	
ST: // ET:	ST: // ET:	ST: // ET:	ST: // ET:	ST: // ET:	
		PG / PD / Dri	PG / PD / Dri	PG / PD / Dri	
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Thank you!

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