

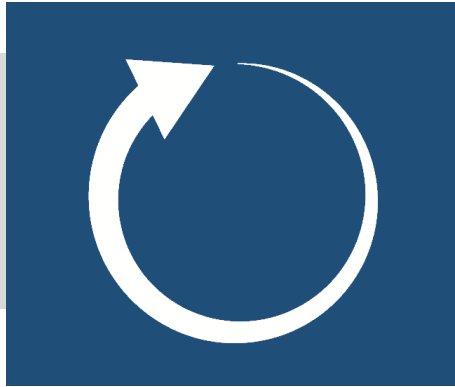
INMAN SQUARE INTERSECTION IMPROVEMENTS PROJECT



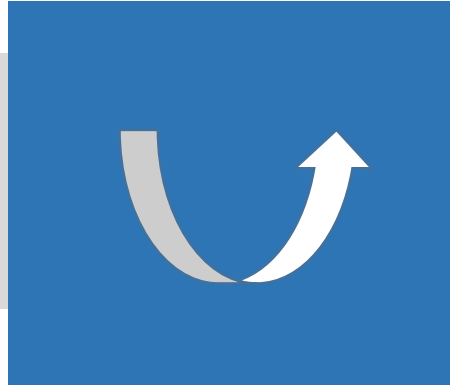
Community Meeting #5 | March 7, 2018



INMAN SQ PROJECT
Agenda



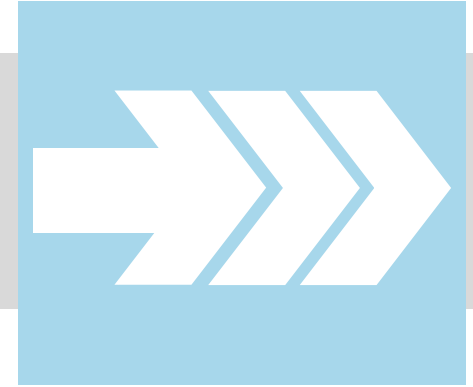
**Project
Background**



Design Update



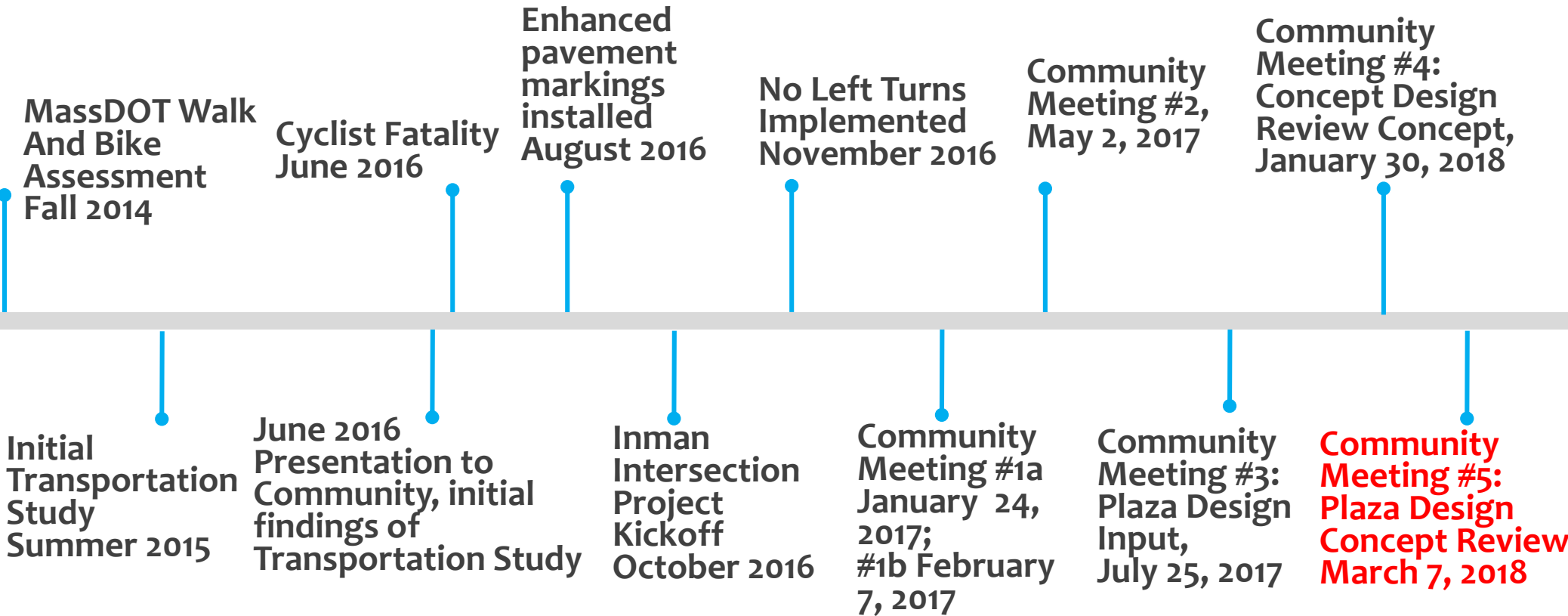
Plaza Concepts



**Next Steps and
Feedback Session**

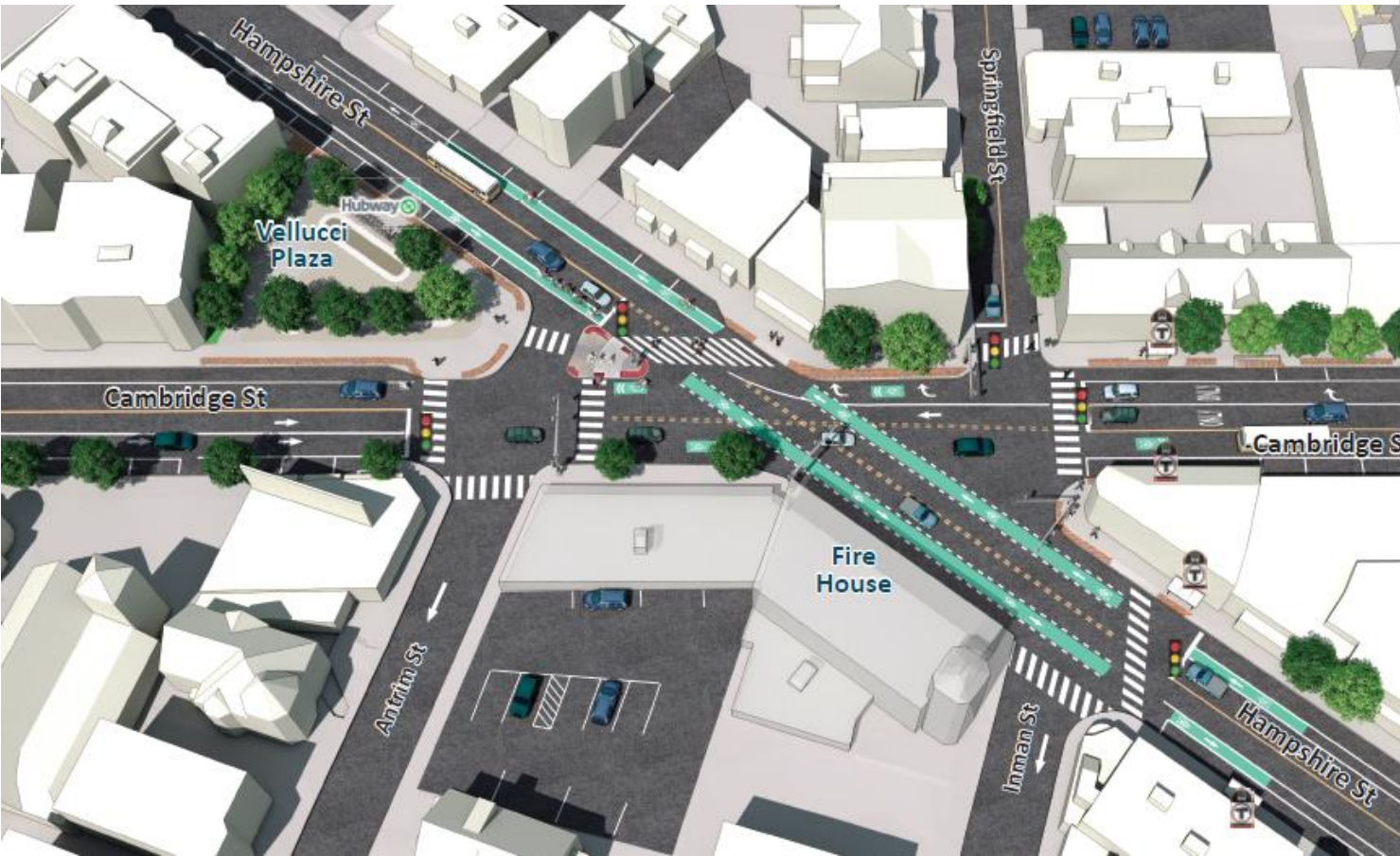


Project Timeline



Note: Separate from the above noted community meetings, the City has met with various stakeholder groups and held various open houses for the community

Existing Conditions



1. High crash location. 2008 – 2012, 69 total crashes in 5 years (exceeds MassDOT avg Statewide crash rate). 15 bicycle involved; 5 pedestrian involved.
2. Crosswalks outside of desire lines and some not signal controlled
3. Long distance for pedestrians and bikes to travel
4. No signal control for Hampshire Street Southbound turn to Antrim Street
5. Issues with clearance time for all users

Project Goals



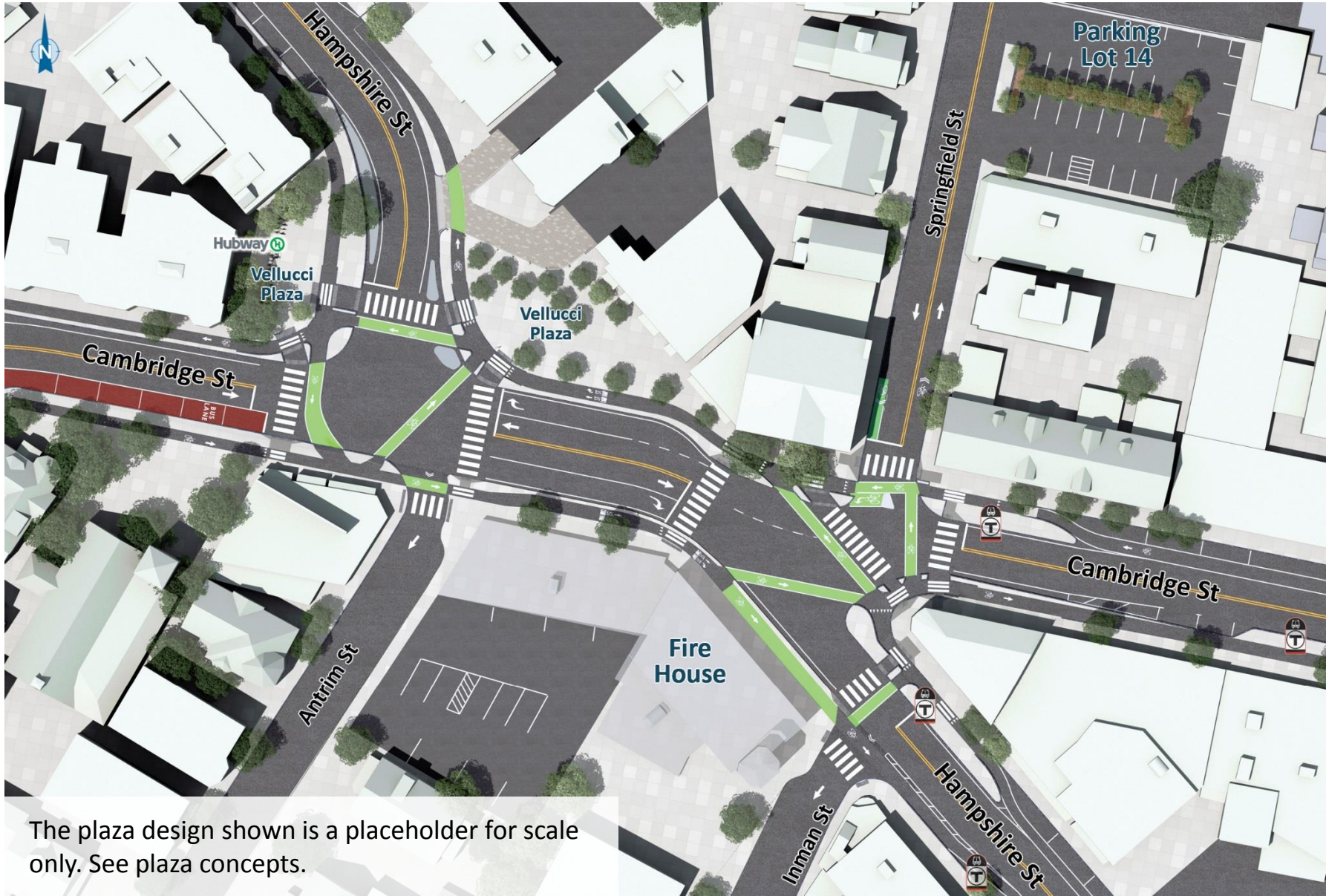
Primary Goal: Improve safety for all users in line with City's commitment to Vision Zero.

Opportunity to also improve plaza, support local businesses, maintain truck & Fire Dept. access.



Design Update

Concept Design — Developed over last 1½ years



The plaza design shown is a placeholder for scale only. See plaza concepts.

Design Update



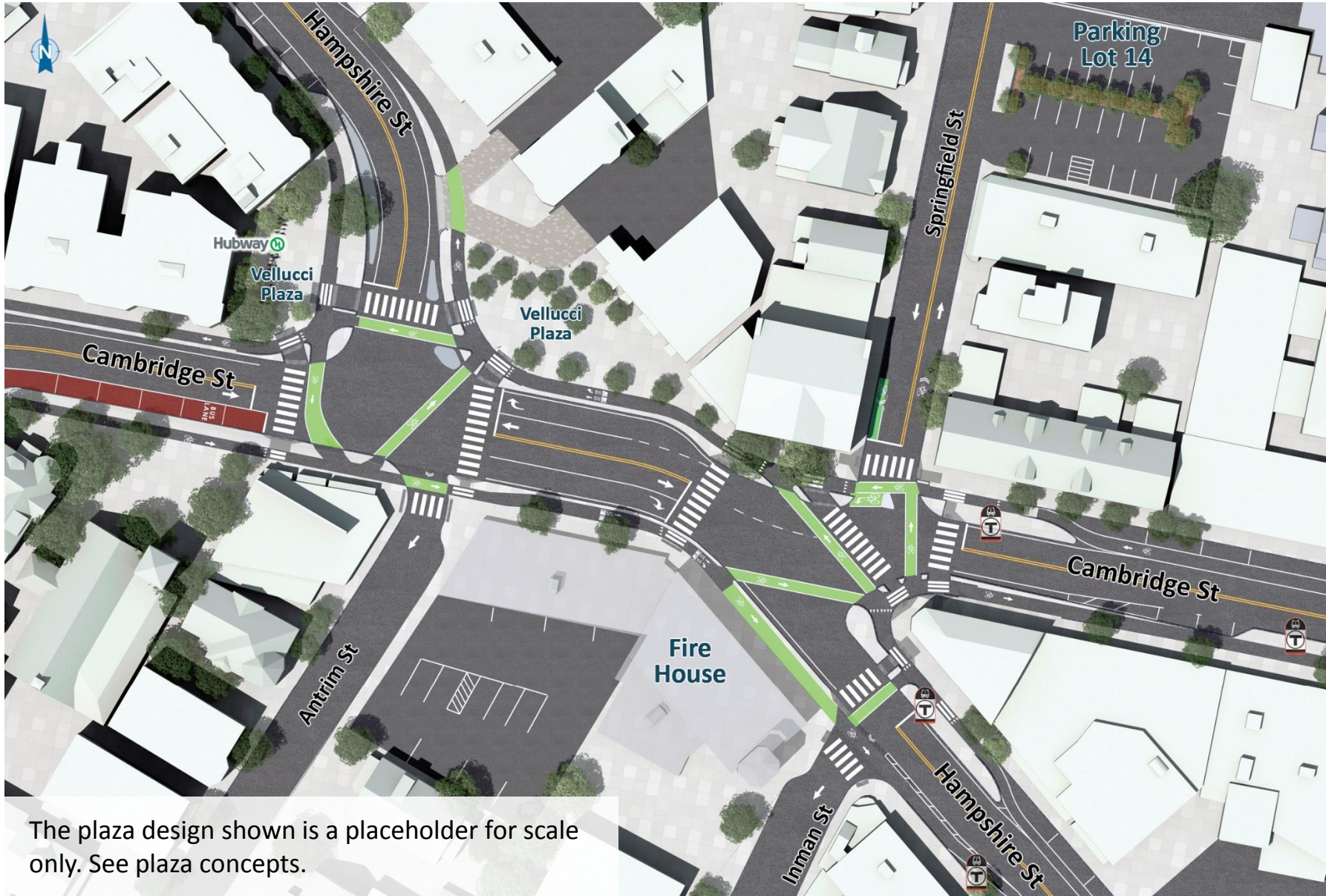
Tree Canopy

Existing Conditions



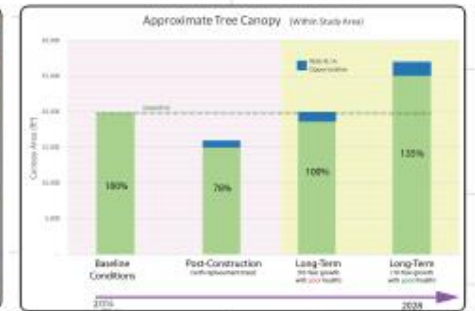
Source: Google Earth

Tree Canopy – Proposed Concept



The plaza design shown is a placeholder for scale only. See plaza concepts.

Impacts on Existing Trees - Does not include new tree plantings

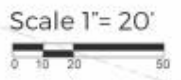


Failed in storm of March 2/5 2018

Removal due to poor condition of tree

- Tree removal (5 within plaza, 1 street tree)
- Potential tree removal (pending design details, 2 plaza trees)
- Transplant tree within Cambridge (7 within plaza, 2 street tree)
- Maintain tree (2 within plaza, 28 street trees)

Inman Square 2/27/2018



New Tree Canopy

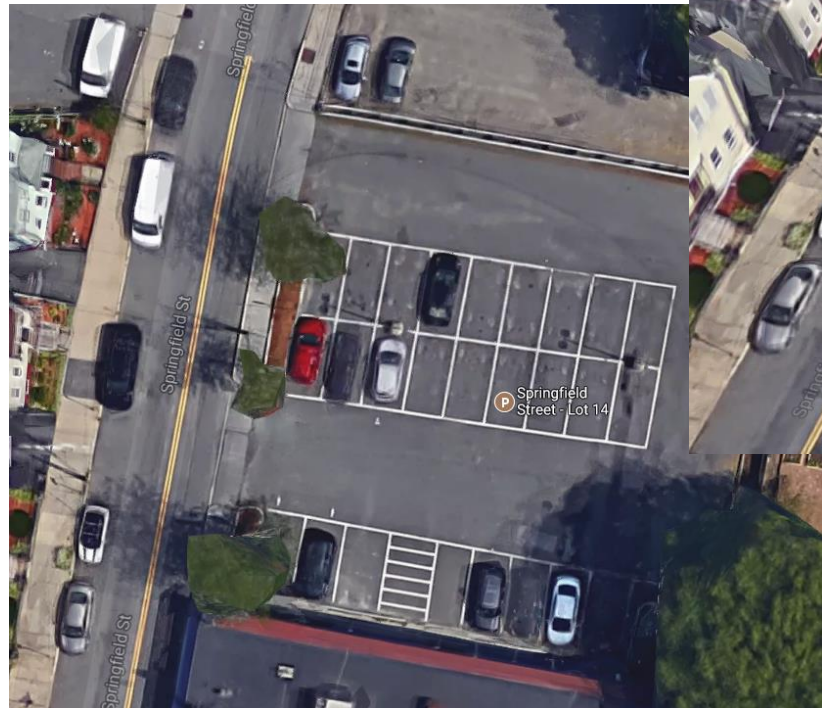
Tree Canopy - 10 Year Growth

Design Update



Tree Canopy

Springfield Street Parking Lot Improvements



Tree Canopy

Tree Preservation/Restoration Treatments

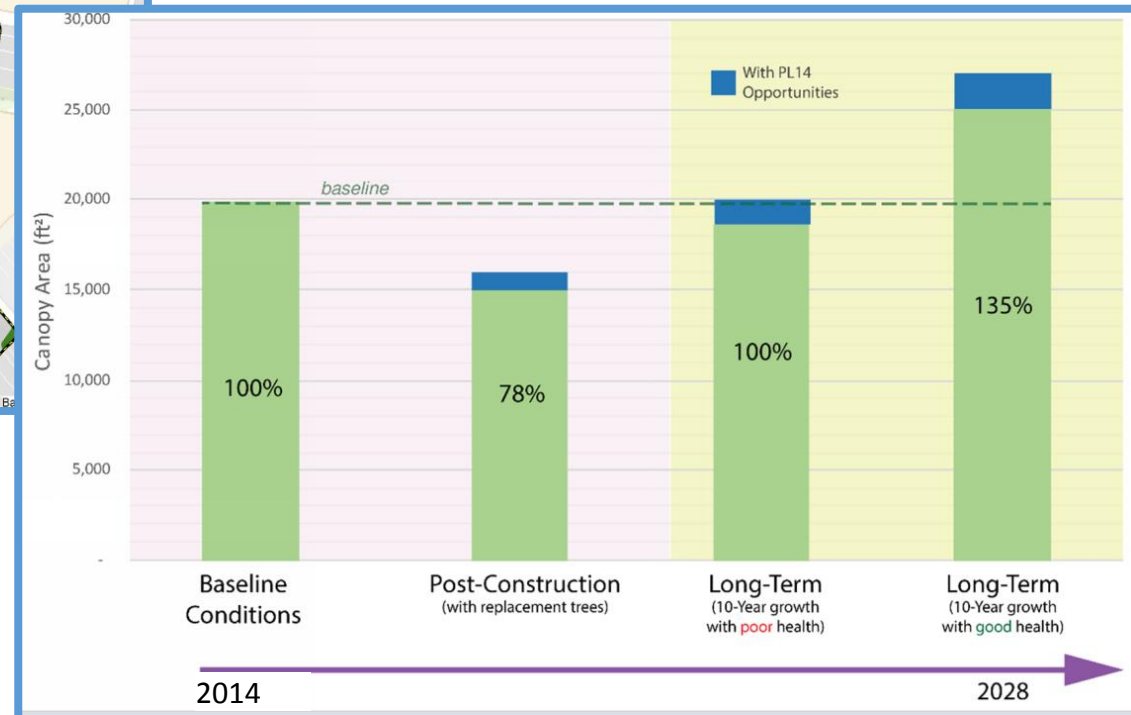
- Tree protection and pruning
- Expanded tree pits
- Air Spading of roots
- Structural soil
- Water
- Compost/Nutrient Treatment



Tree Canopy

Current Concept: 10 year Growth

Estimated 100% to 135% restored @10 Year Growth

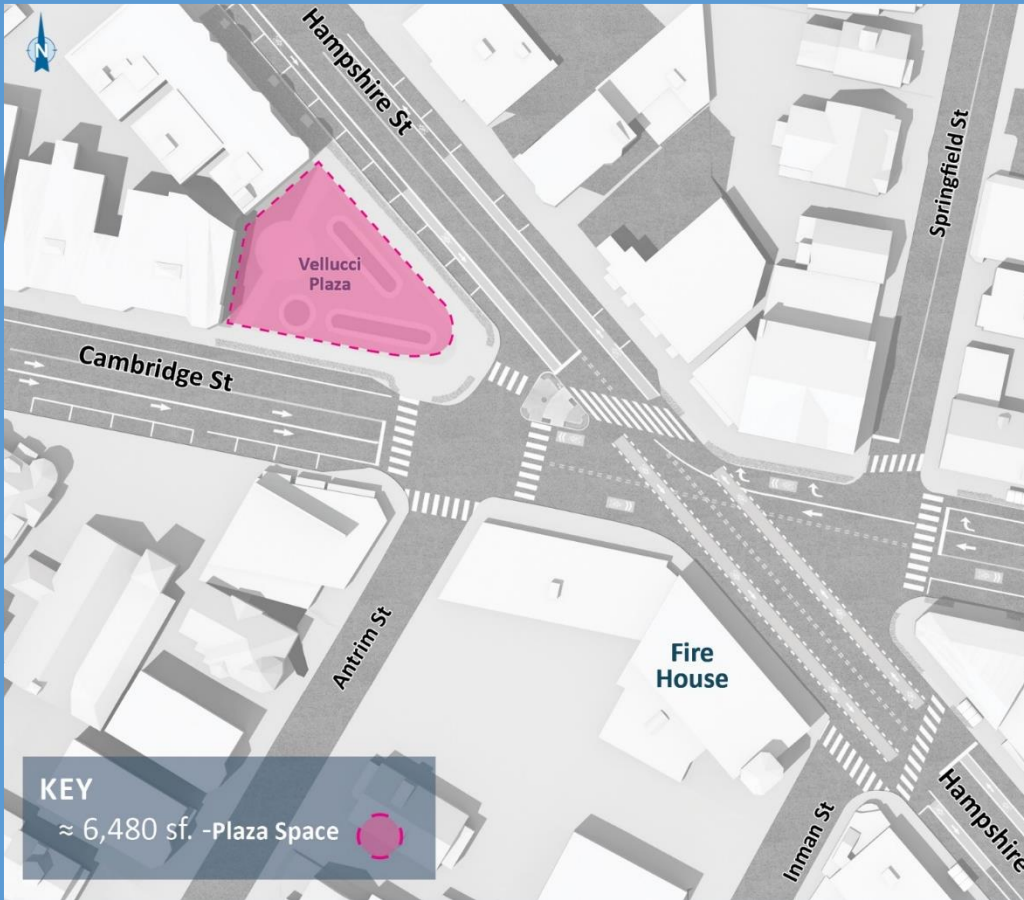


Environmental Benefits

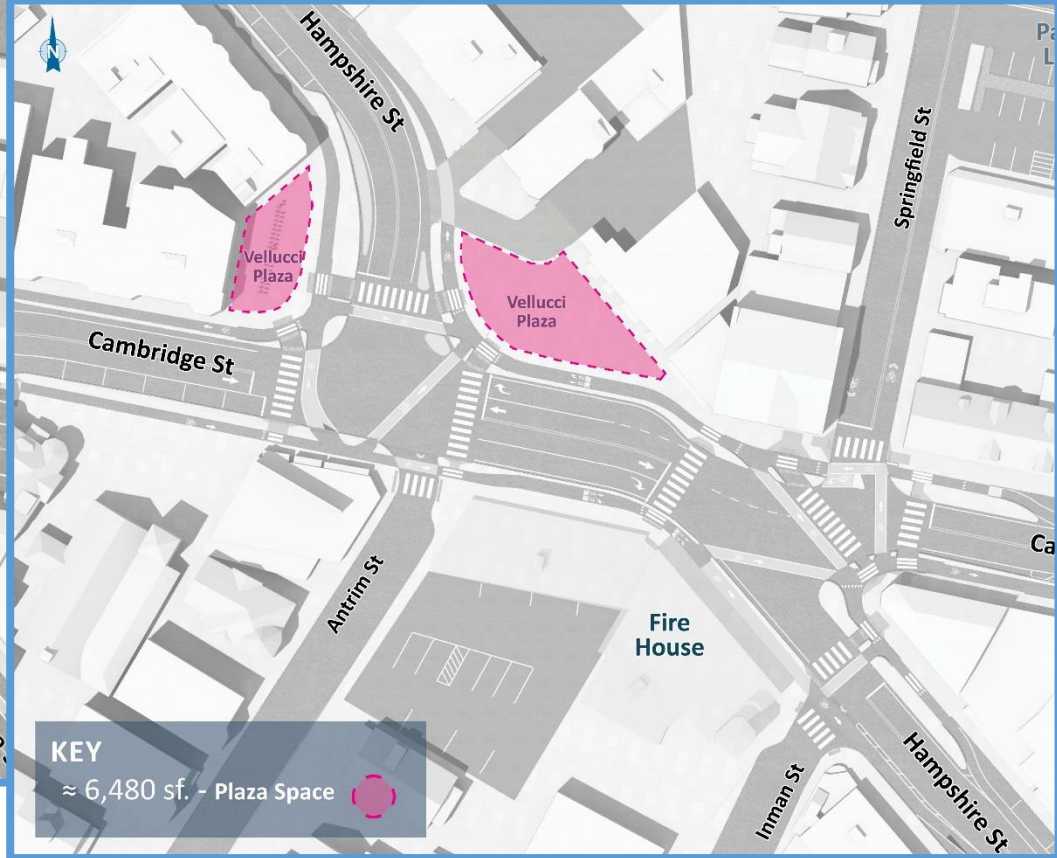
- **Reduce vehicle emissions by reducing vehicle delay.**
- **Significant safety improvements – encouraging more people to bike and walk, further reducing transportation emissions.**
- **Improve transit operations, further reducing transportation emissions.**
- **Improve Springfield St Parking Lot – reducing asphalt and piloting cool asphalt coating.**
- **Use lighter colored pavers in plaza areas.**

Plaza Space – Shifting Open Space, but no loss of Open Space (sq ft)

Existing – 6,480 sq ft



Current Concept – 6,480 sq ft





Take takes up more space

St. Grow
Plaza
than the
-
many trees
porting plaza
please consider

Not alot of Plaza
Space and there
will be alot of
competing ideas and
non permeable barriers
Allow flexible uses
of Plaza's

TREES
ABSORBING
NOISE

What infrastructure
for peds, busses?
light/electri to
light trees at
holidaytime.
reslab needs to

Bike Parking:
plan for bike racks
so temp bike racks
spaces drive

TREES
- ABSORBING
- NOISE
- PROVIDING
- SHADE

balance
non services
with
at/sight
trees for
+ trees

water
feature?
at apartment
appealing to use
a draw

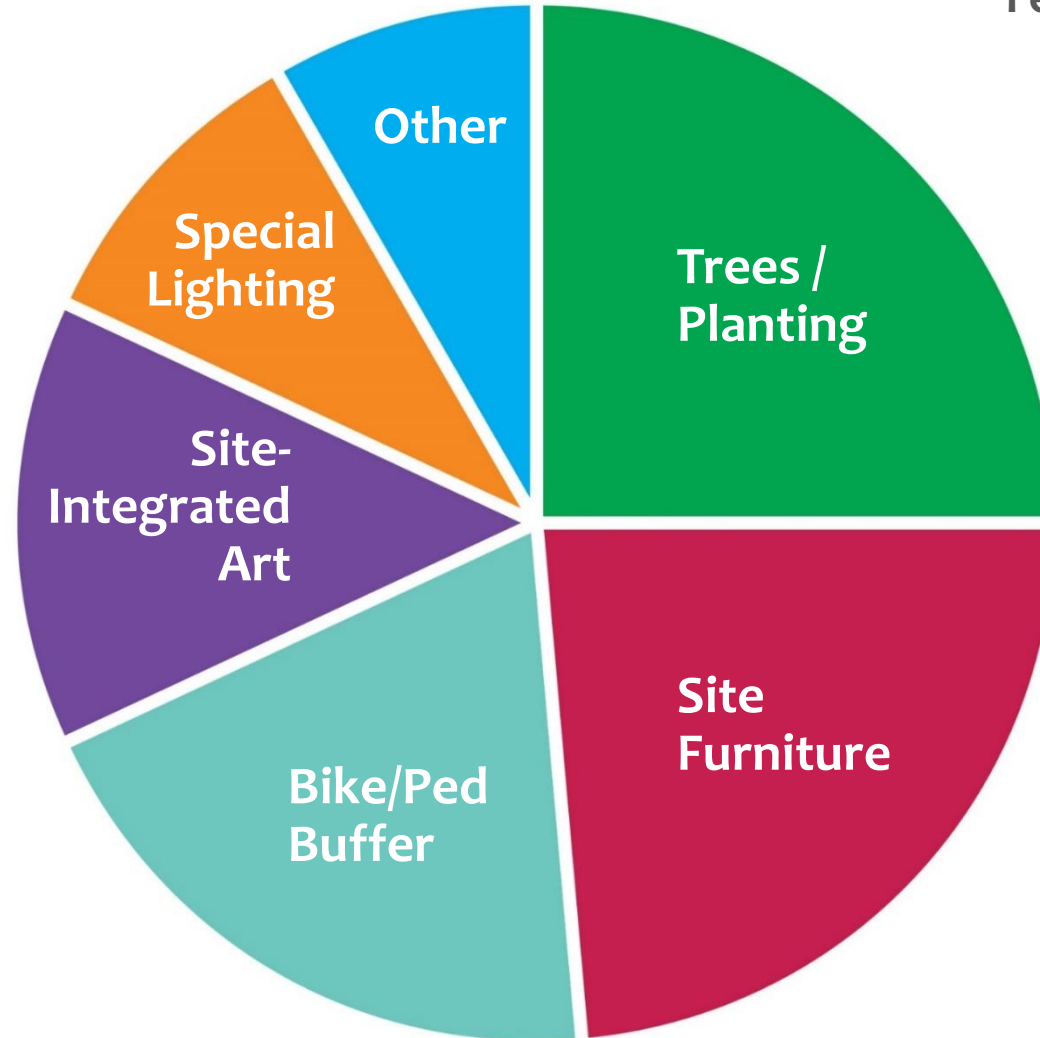
Put down/plan
back in the
newly created
plaza - to
invite residents
to sit/play/stop

NON-PEDS
WANTING THE
WALKWAY

Please wrap heavy
open trees - both
in the plaza +
ALONG Cambridge St
from Hampshire to
Prospect in heavy
lights to protect
people in to no
square. (see survey)

less clutter.
oriented
bus stop
Hampsh

Community Feedback Results



Community Feedback Results



Plaza Design

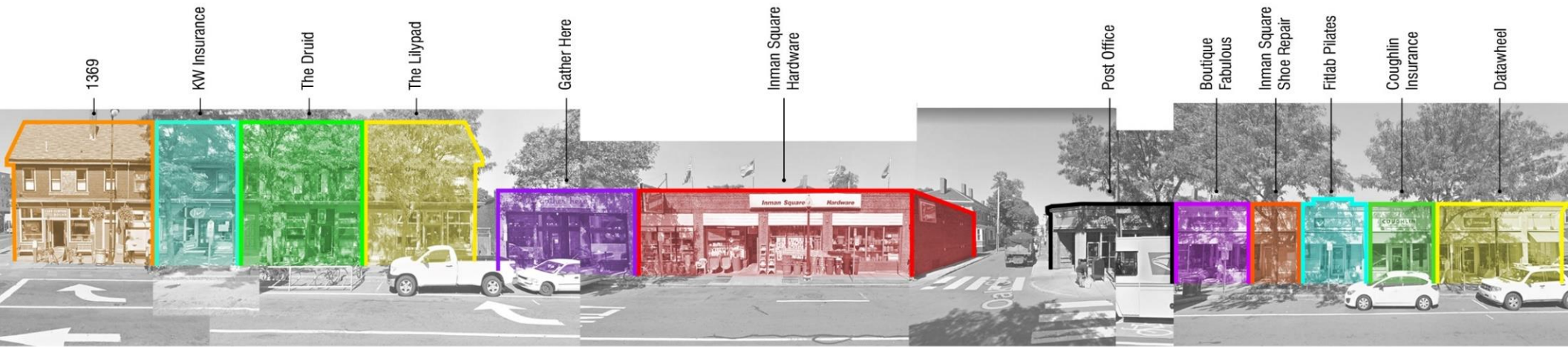
Plaza Design Principles

- **Reflect the Uniqueness** of Inman Square
- **Unify the Plaza** – the east and west
- **Maximize Flexibility** for scale of uses and users
- **Maximize Legibility + Safety for Users** /Minimize Ped/bike confusion
- **Maximize Success for New and Existing Trees**
- **Integrate Storm Water Management**
- **Integrate Public Art**
- **Reuse Existing Vellucci material strategically**



Technical Considerations

- **Safety**
- **Desire lines of pedestrians and bikes**
- **Separated Bike Lane (SBL) guidelines + best practices**
- **Utility coordination**
- **Tree planting details + Soil volumes + best practices**
- **Universal Accessibility**
- **Maintenance + durability considerations**



Cambridge Street - Inman Square



Character & Identity

All plaza concepts will feature similar

Scales of Gathering

composed of similar

Plaza Elements

in different proportions and arrangements



Scales of Gathering

(S) Small Spaces

(M) Medium Spaces

(L) Large Spaces

(S) Small Spaces



(M) Medium Spaces



(L) Large Spaces



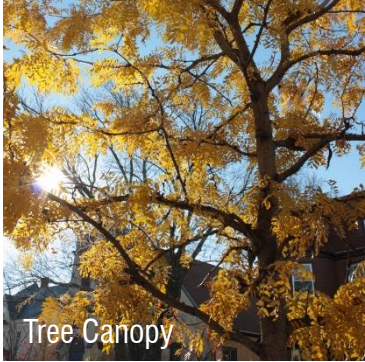


Plaza Design

Plaza Elements

- Trees
- Planting Beds
- Furniture
- Lighting
- Patterned Pavement
- Bike Facilities
- Art
- Memorial
- Water feature (?)

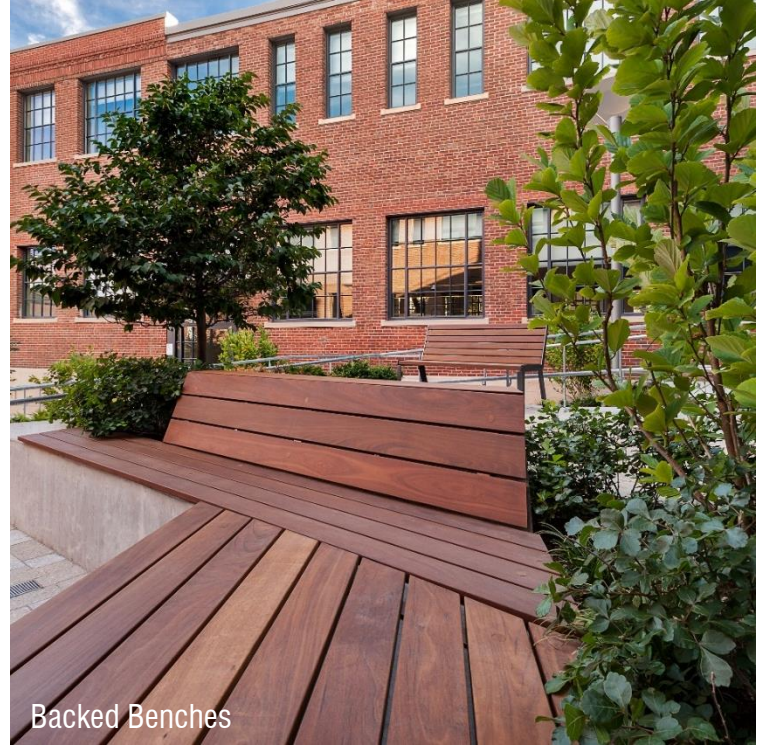
Plaza Elements



Tree Canopy



Tree Canopy



Backed Benches



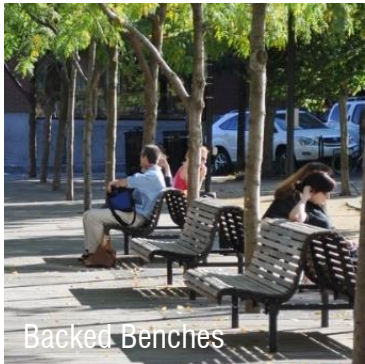
Flexible Open Space



Unit Paver "Cowlick"



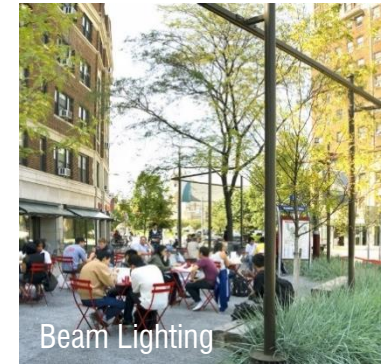
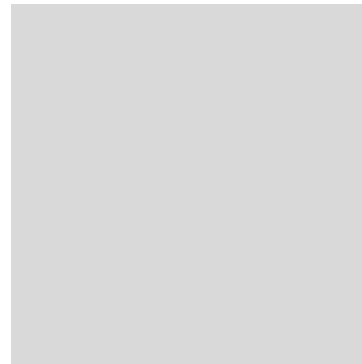
Café Seating



Backed Benches



Festoon Lighting



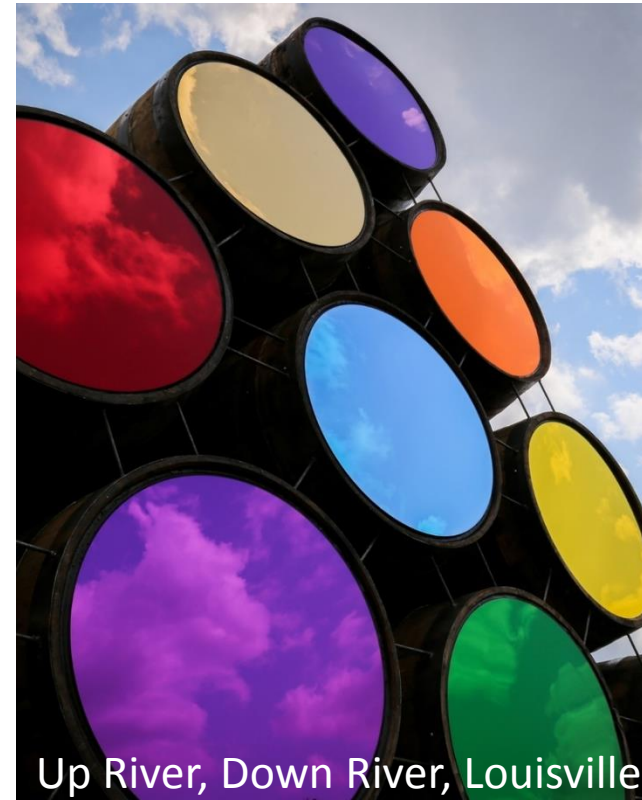
Beam Lighting



Blue Birds, Cleveland



The Meeting House, Boston



Up River, Down River, Louisville

Public Art – www.markreigelman.com



- Bust to remain on West Side per Family Request
- Possible re-use of existing engraved pavers



Recognition of Mayor Vellucci



Fountain as object – takes up less footprint



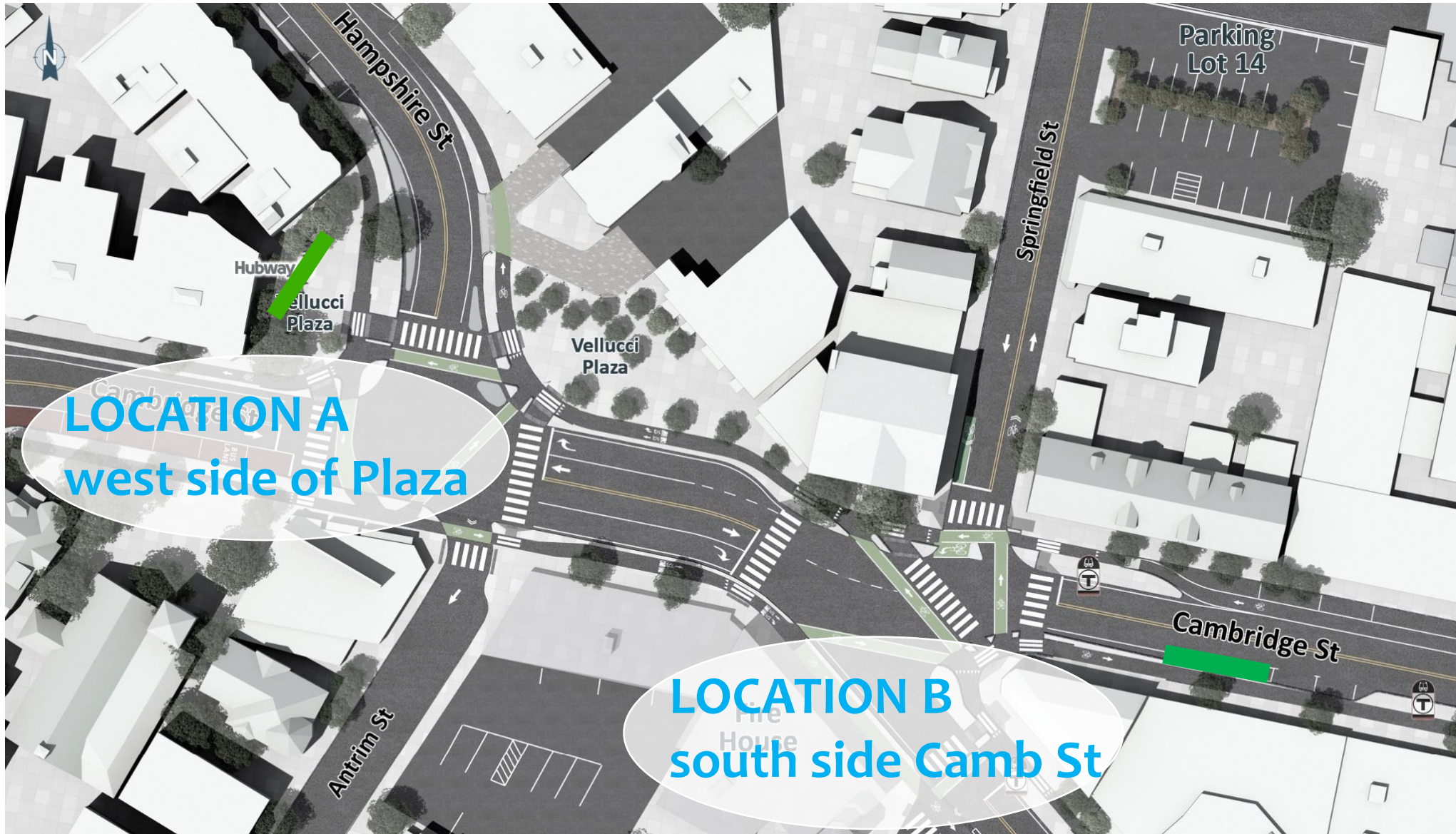
Field of Jets – takes up room – play attraction



Inground, textural, discovery

Water Feature Typologies

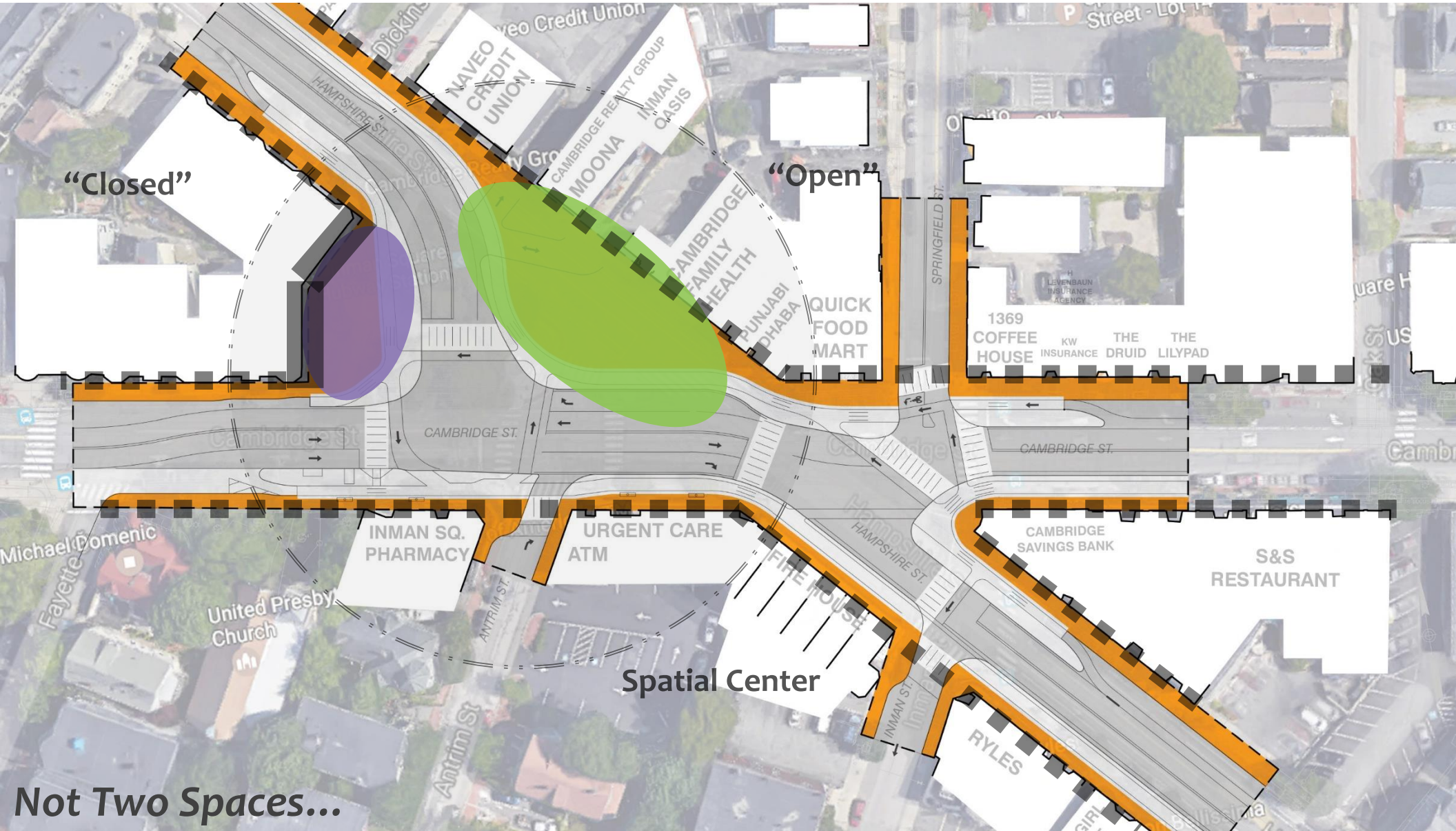
Hubway – exploring locations



LOCATION A
west side of Plaza

LOCATION B
southside Camb St

Connecting Spaces



“Closed”

“Open”

Spatial Center

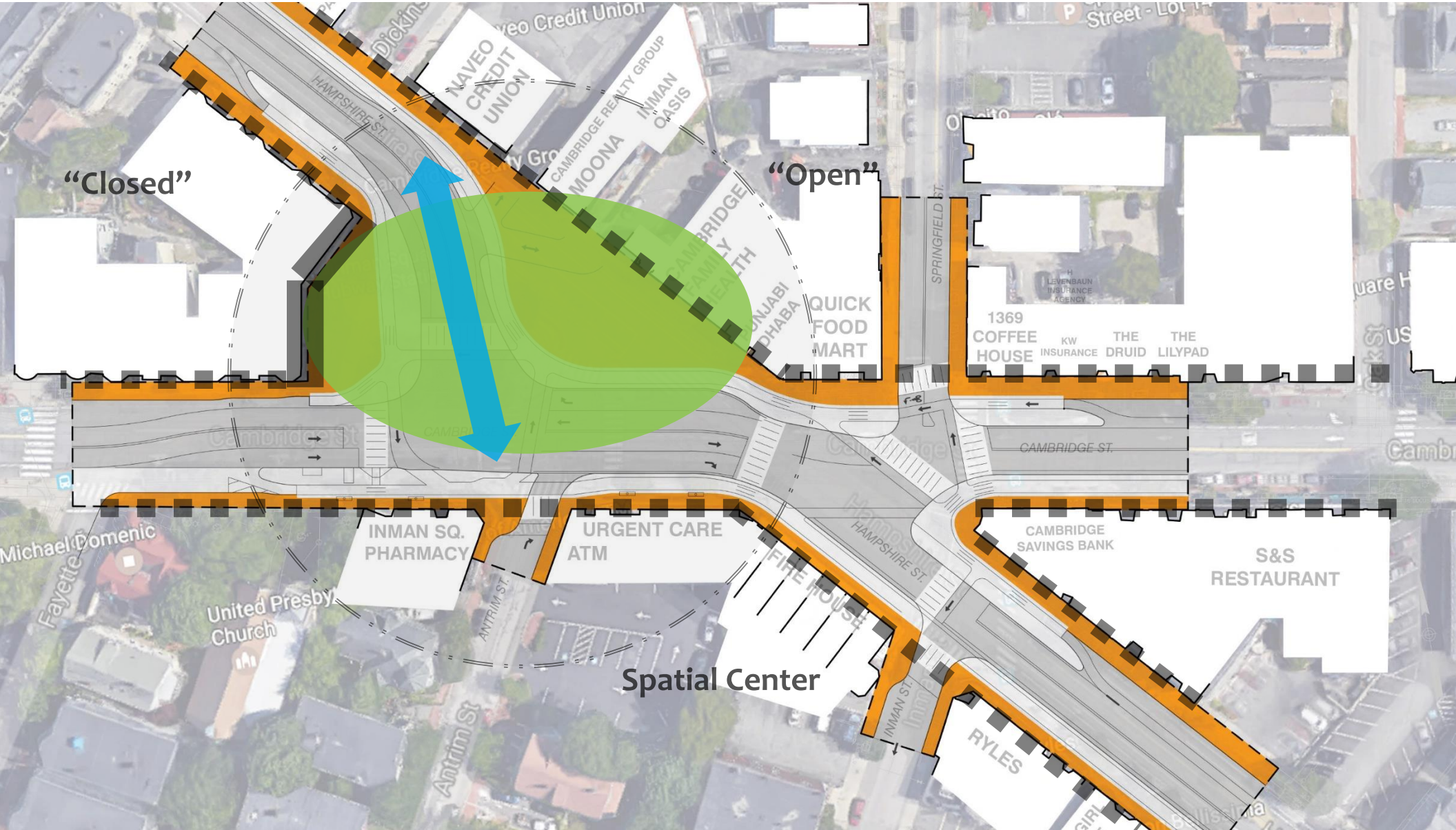
Not Two Spaces...

Connecting Spaces



... but one space.

Connecting Spaces



Plaza Scale Comparison



Proposed Concept – Inman Square



Lafayette Square, Cambridge

Plaza Scale Comparison



Proposed Vellucci Plaza



Lafayette Square, Cambridge

Plaza Scale Comparison



Proposed Vellucci Plaza – w/ Lafayette Square underlay

Lafayette Square, Cambridge



Plaza Design

Three Plaza Concepts:

1. Wedge
2. Puzzle
3. Eddy



1. Wedge 'stake a claim'

1. Wedge Proposed Design



1. Wedge Planters, Furniture & Groundplane



1. Wedge Tree Canopy (+10 years*)



1. Wedge Pedestrian/Cyclist Circulation



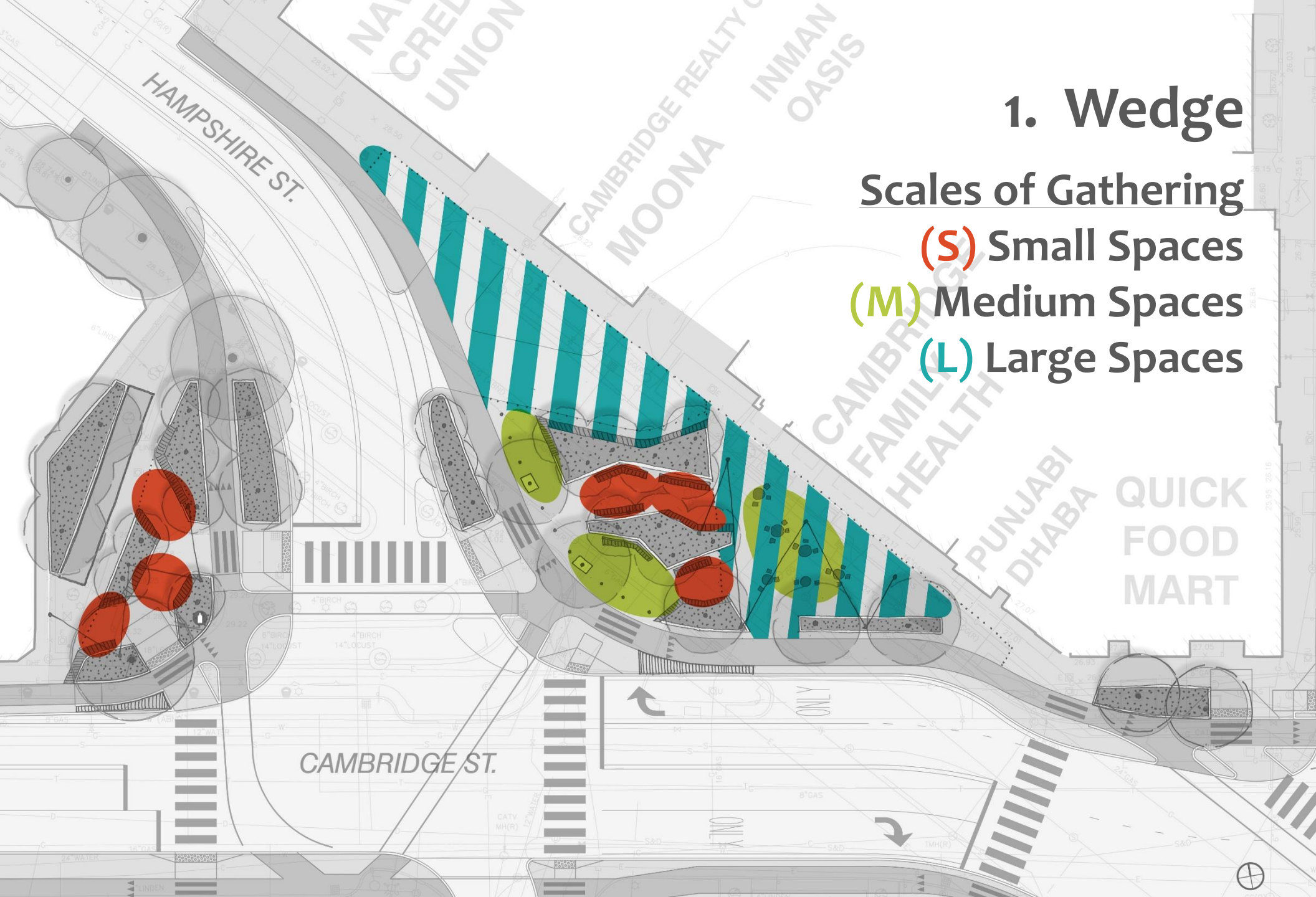
1. Wedge

Scales of Gathering

(S) Small Spaces

(M) Medium Spaces

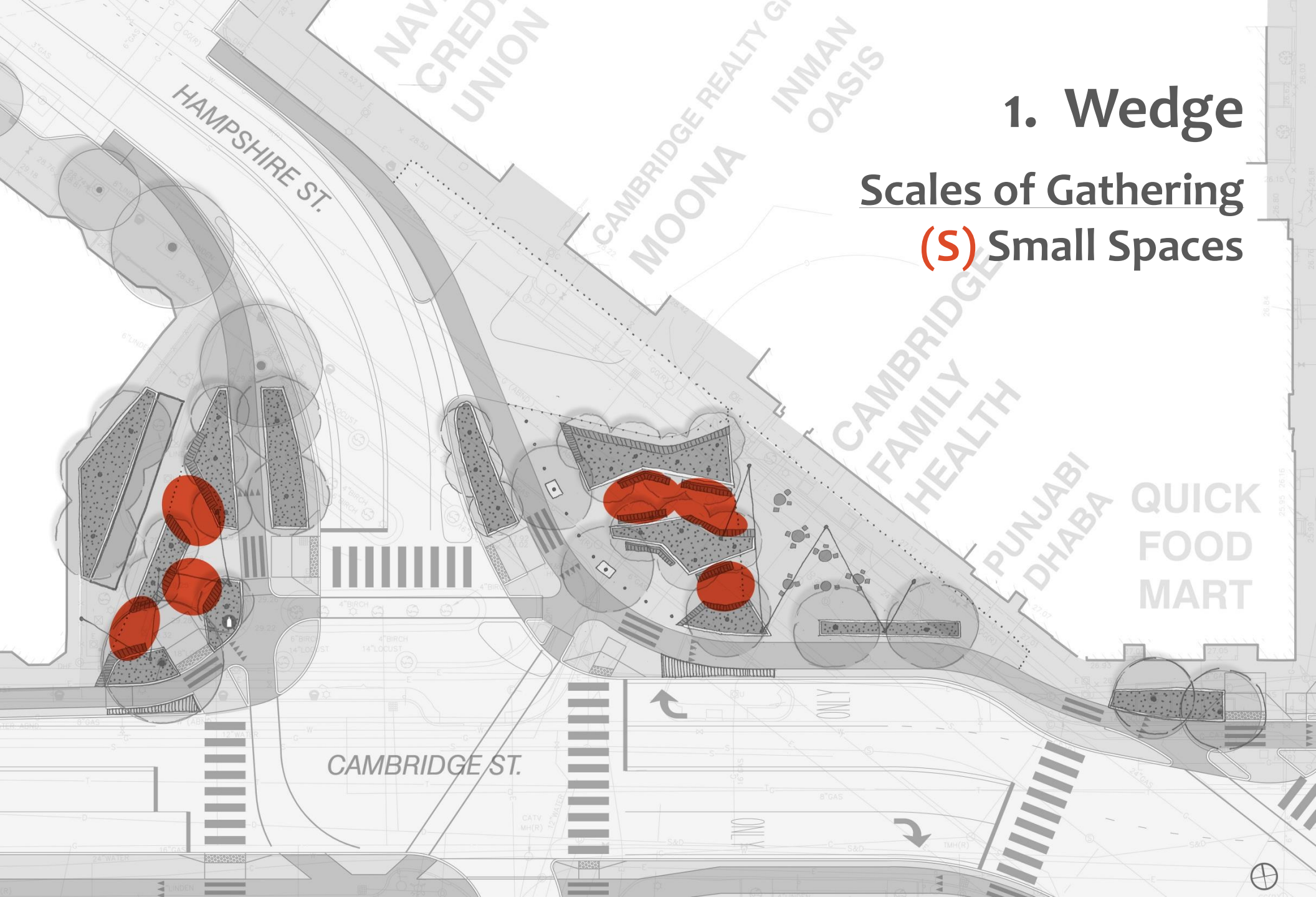
(L) Large Spaces



1. Wedge

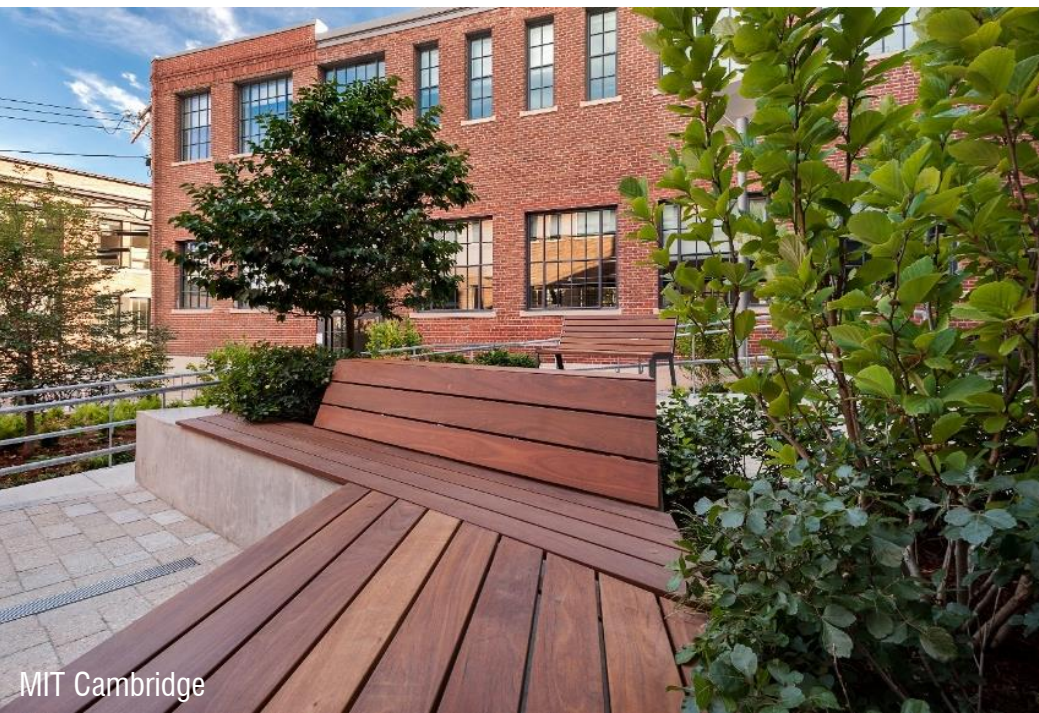
Scales of Gathering

(S) Small Spaces





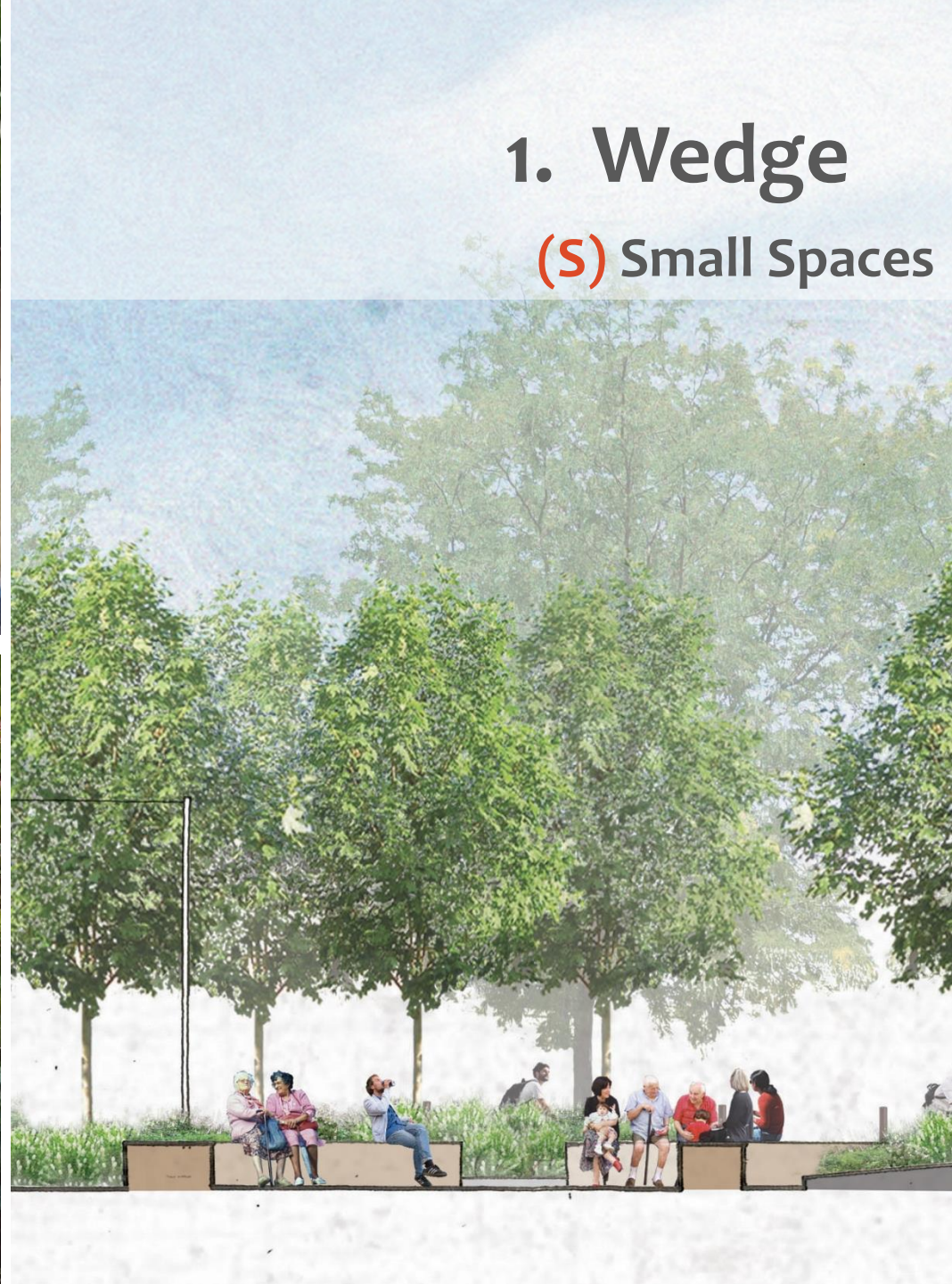
Pier 4 Plaza, Boston



MIT Cambridge

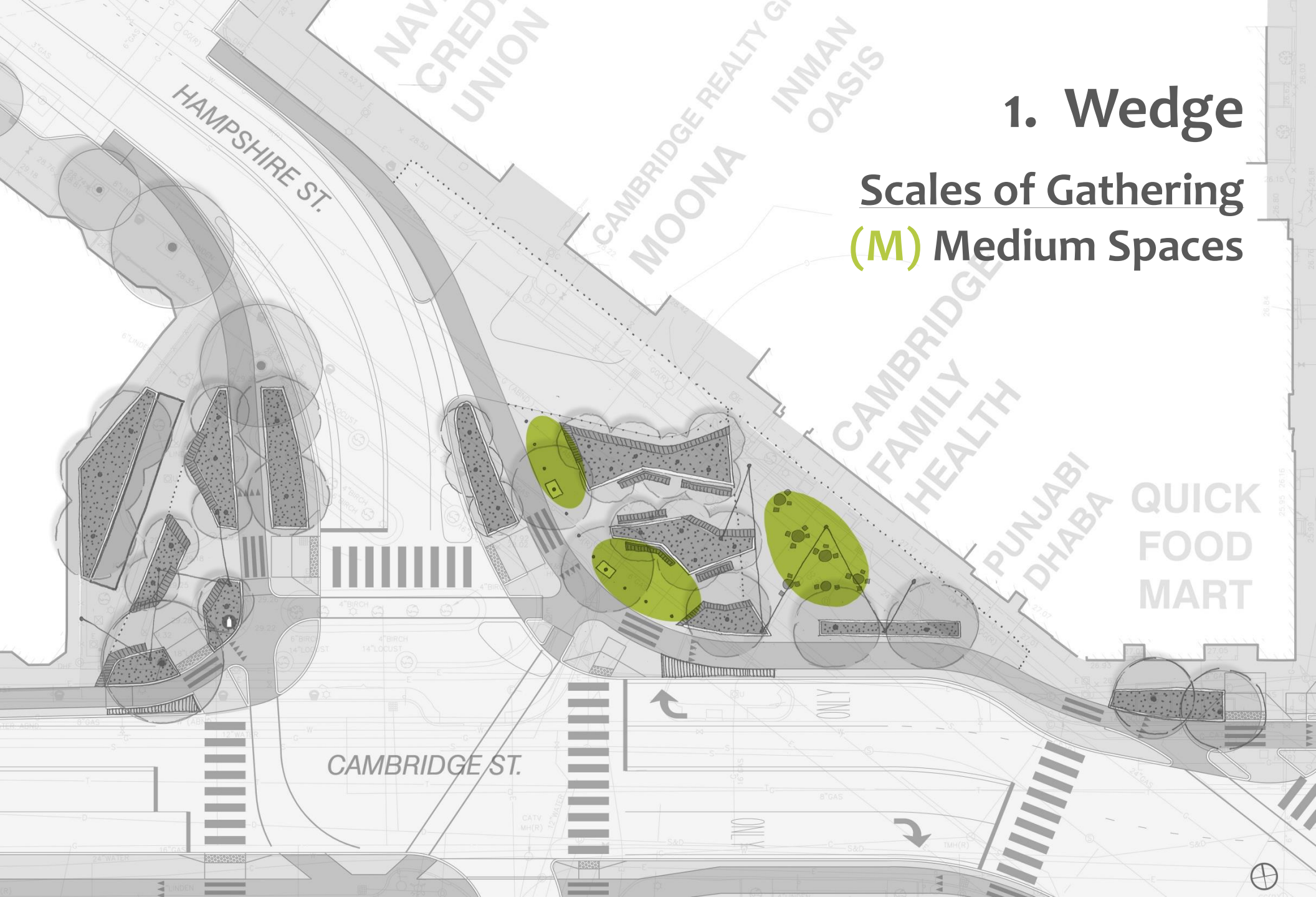
1. Wedge

(S) Small Spaces



1. Wedge

Scales of Gathering (M) Medium Spaces



NAVY
CREDIT
UNION

CAMBRIDGE REALTY GROUP
MOONA
INMAN
OASIS

CAMBRIDGE
FAMILY
HEALTH

PUNJABI
DHABA

QUICK
FOOD
MART

HAMPSHIRE ST.

CAMBRIDGE ST.

ONLY

ONLY





Cleveland, Ohio



Freeman Plaza West, NYC



New Plymouth, New Zealand

1. Wedge

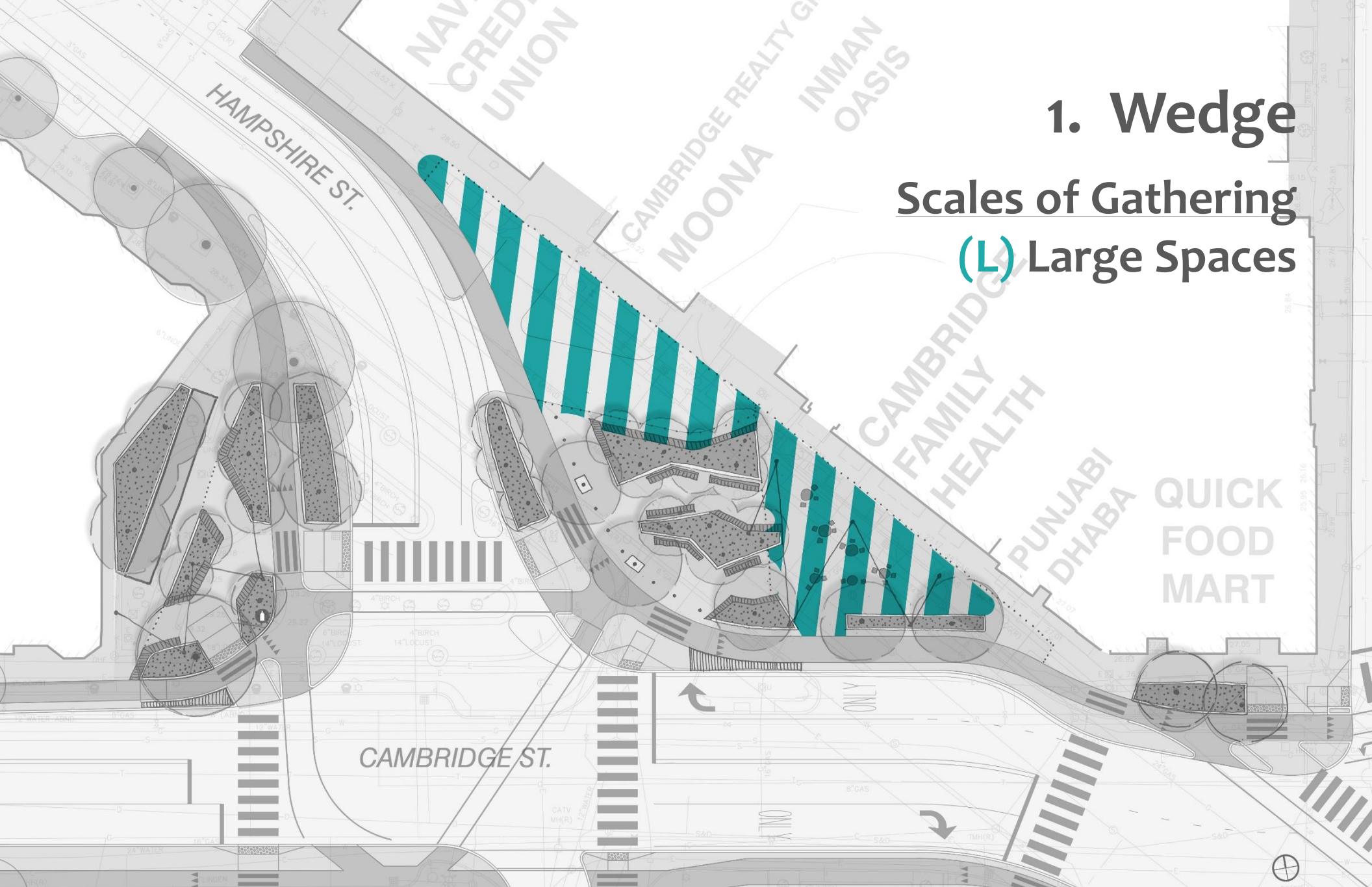
(M) Medium Spaces



1. Wedge

Scales of Gathering

(L) Large Spaces





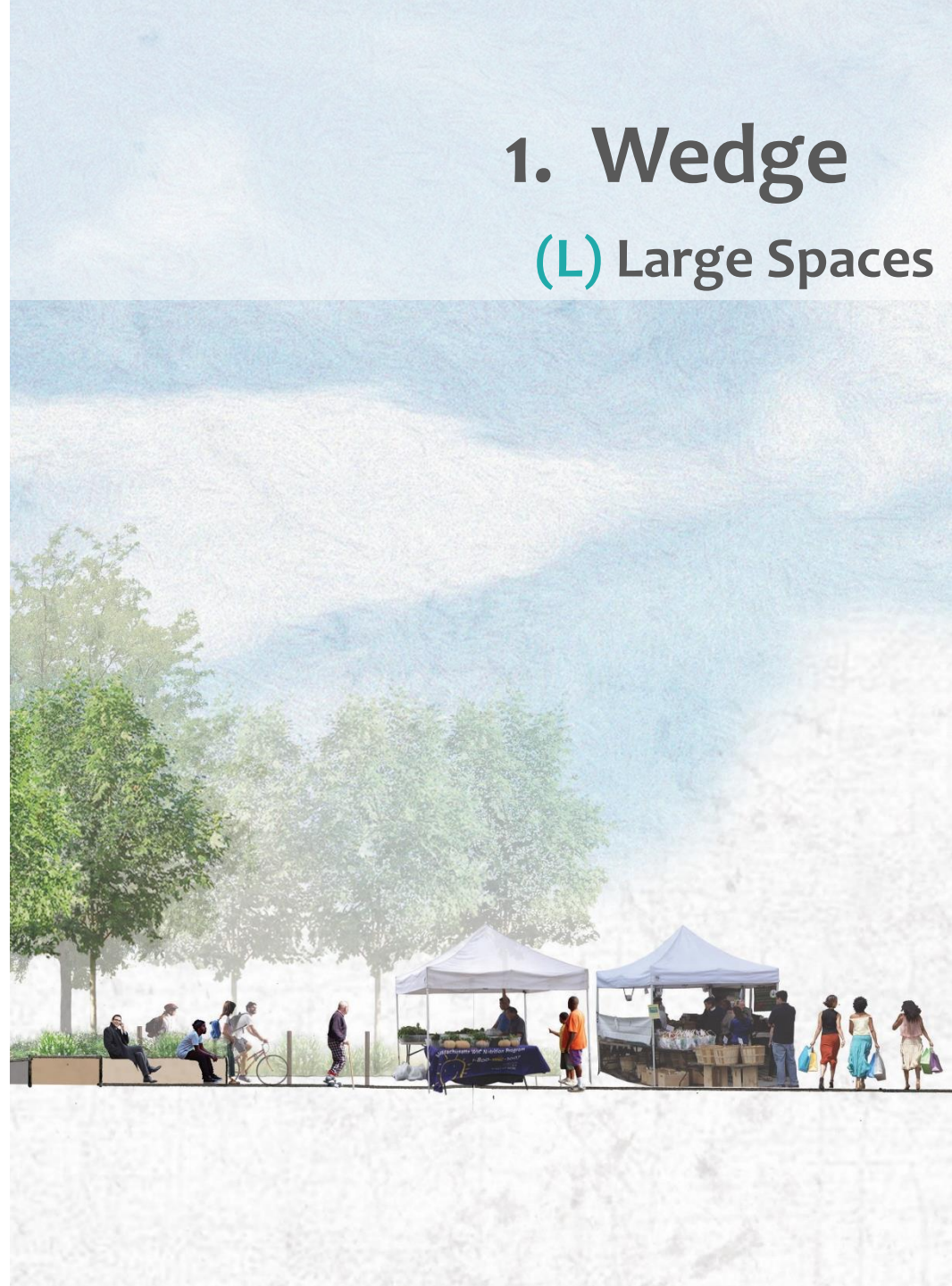
Dewey Square, Boston

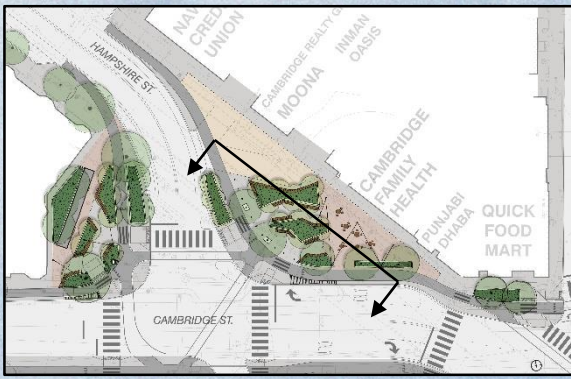


Union Square, Somerville

1. Wedge

(L) Large Spaces





1. Wedge

Scales of Gathering

- (S) Small Spaces
- (M) Medium Spaces
- (L) Large Spaces





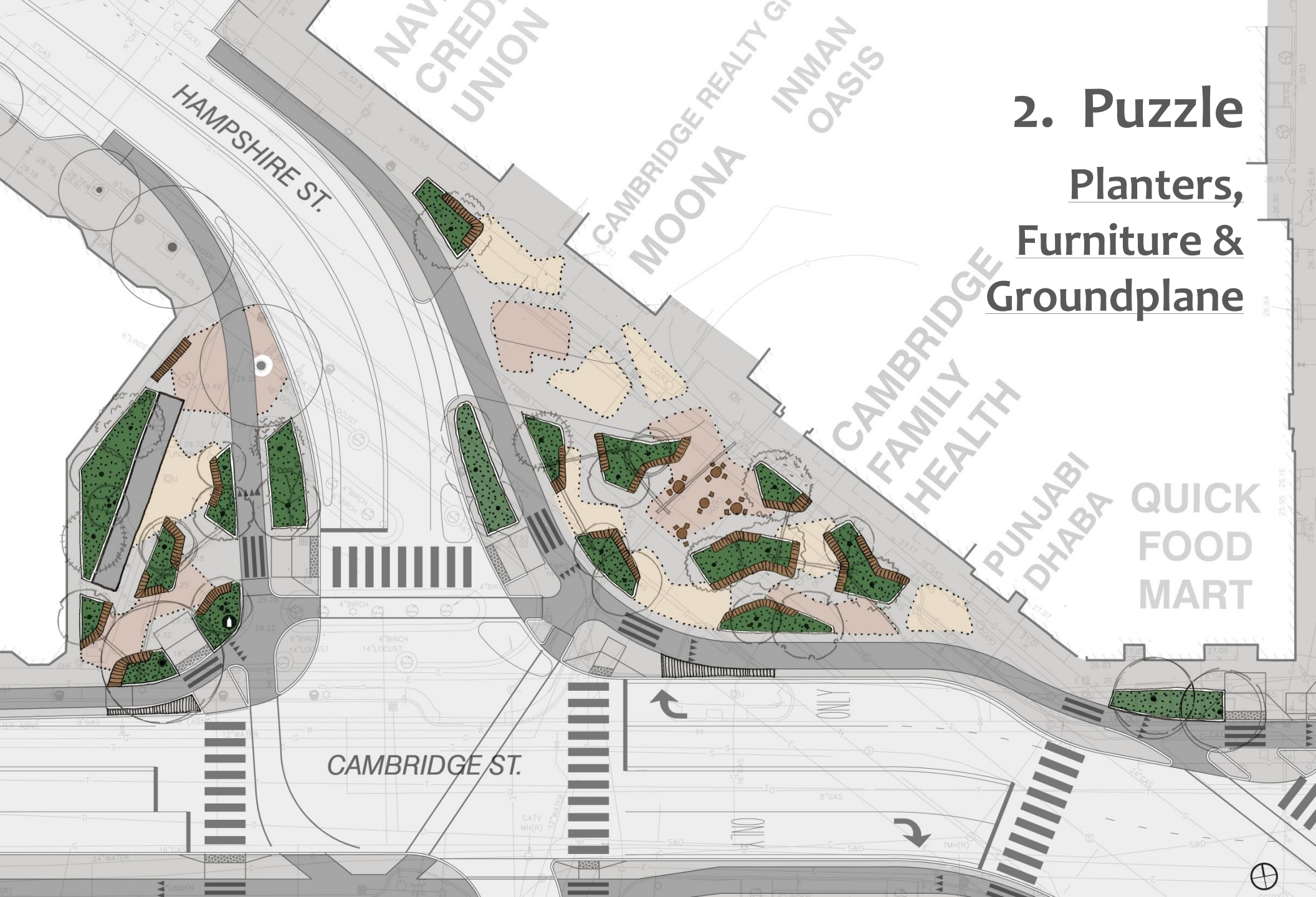
2. Puzzle

'pieces make a whole'

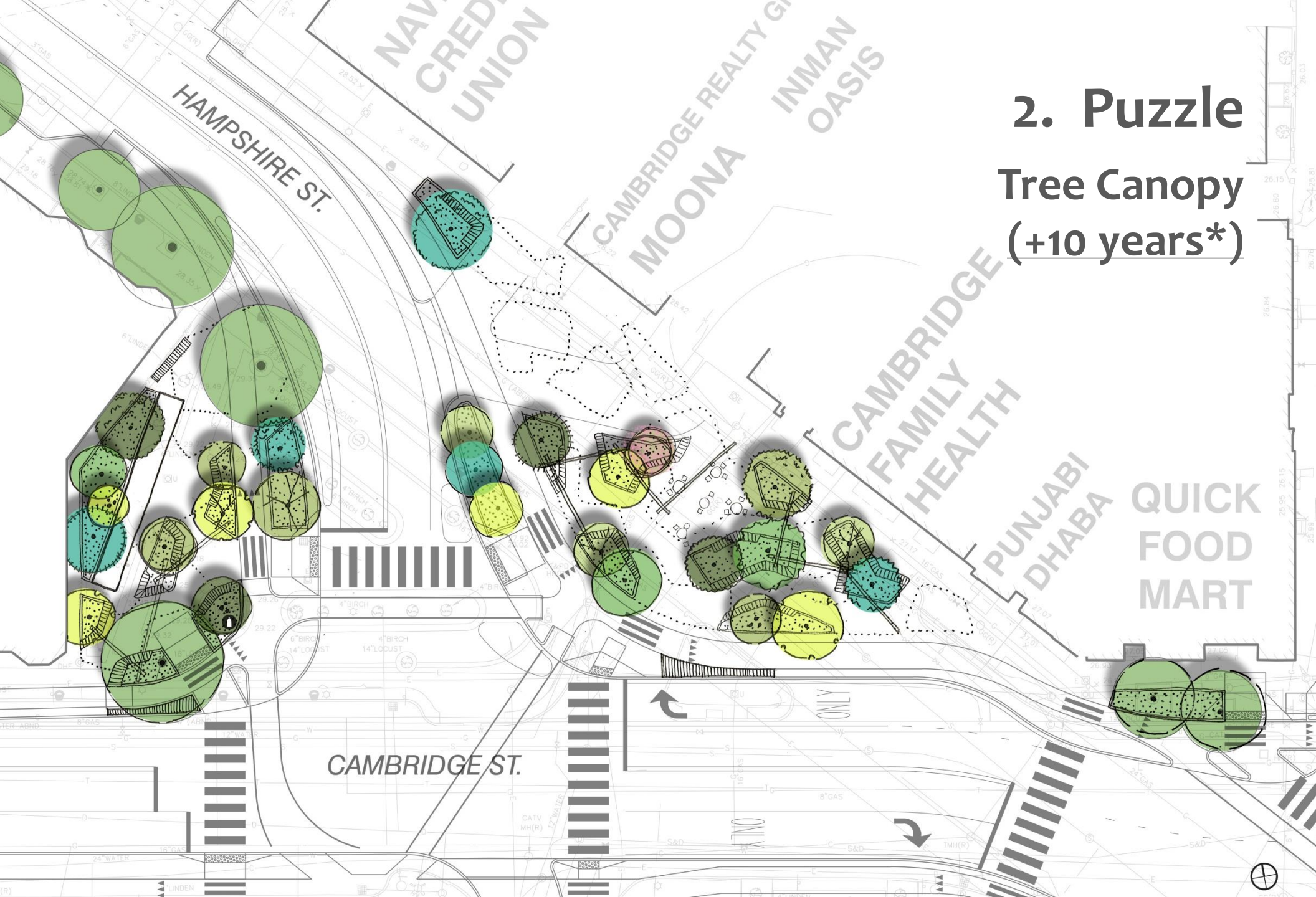
2. Puzzle Proposed Design



2. Puzzle Planters, Furniture & Groundplane



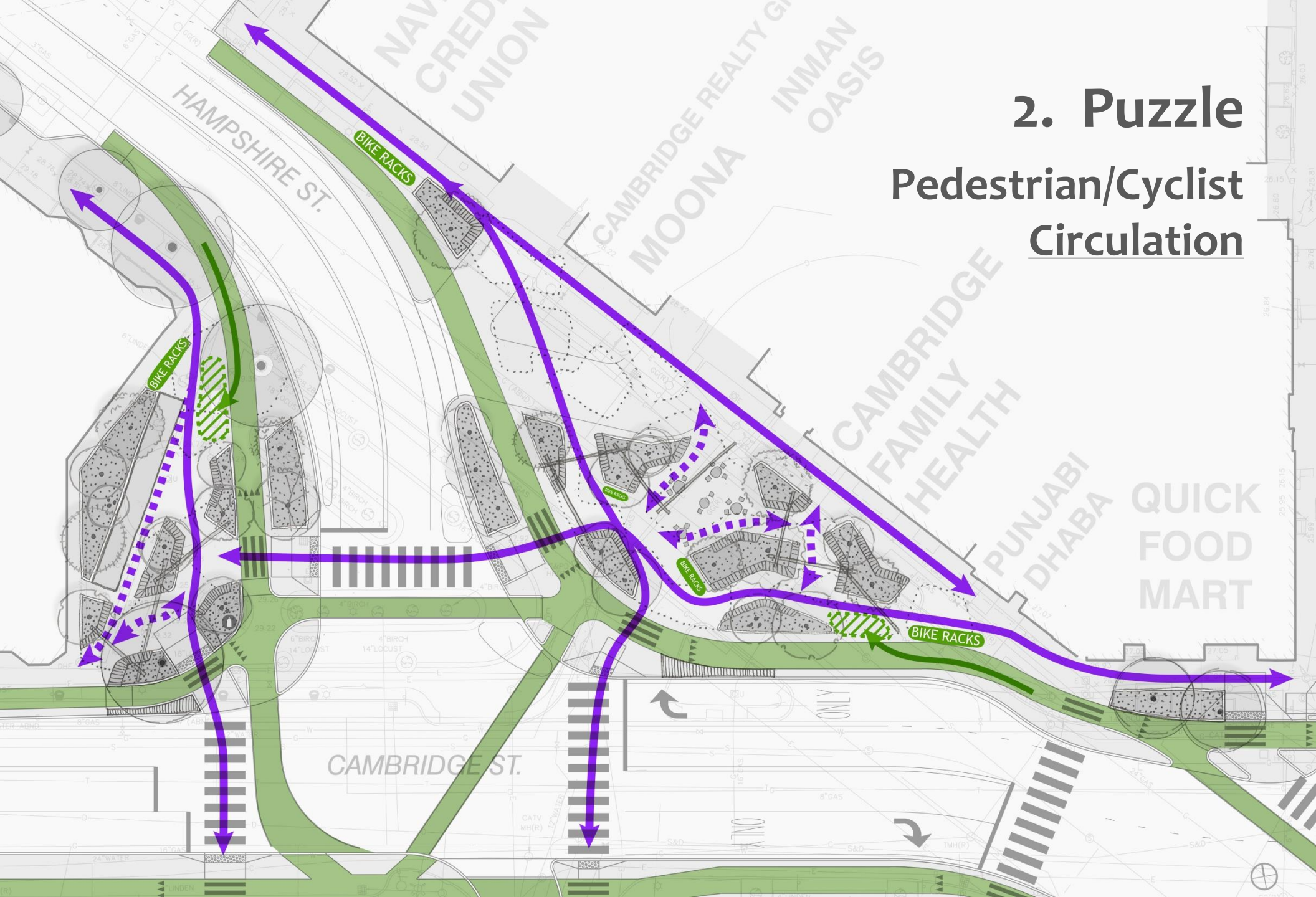
2. Puzzle Tree Canopy (+10 years*)





**Diverse Tree
Canopy to
Maximize
Texture, Color,
Seasons**

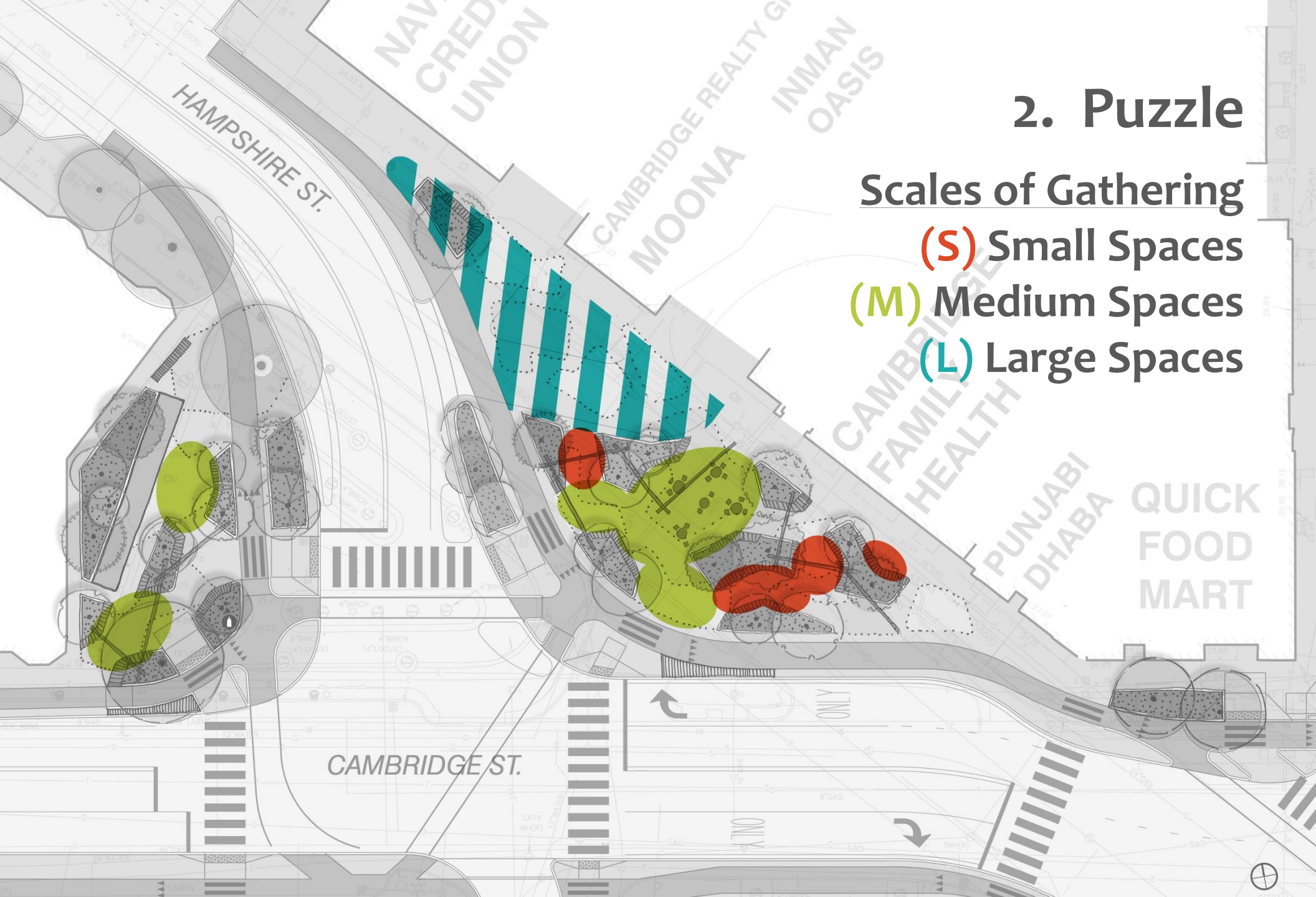
2. Puzzle Pedestrian/Cyclist Circulation



2. Puzzle

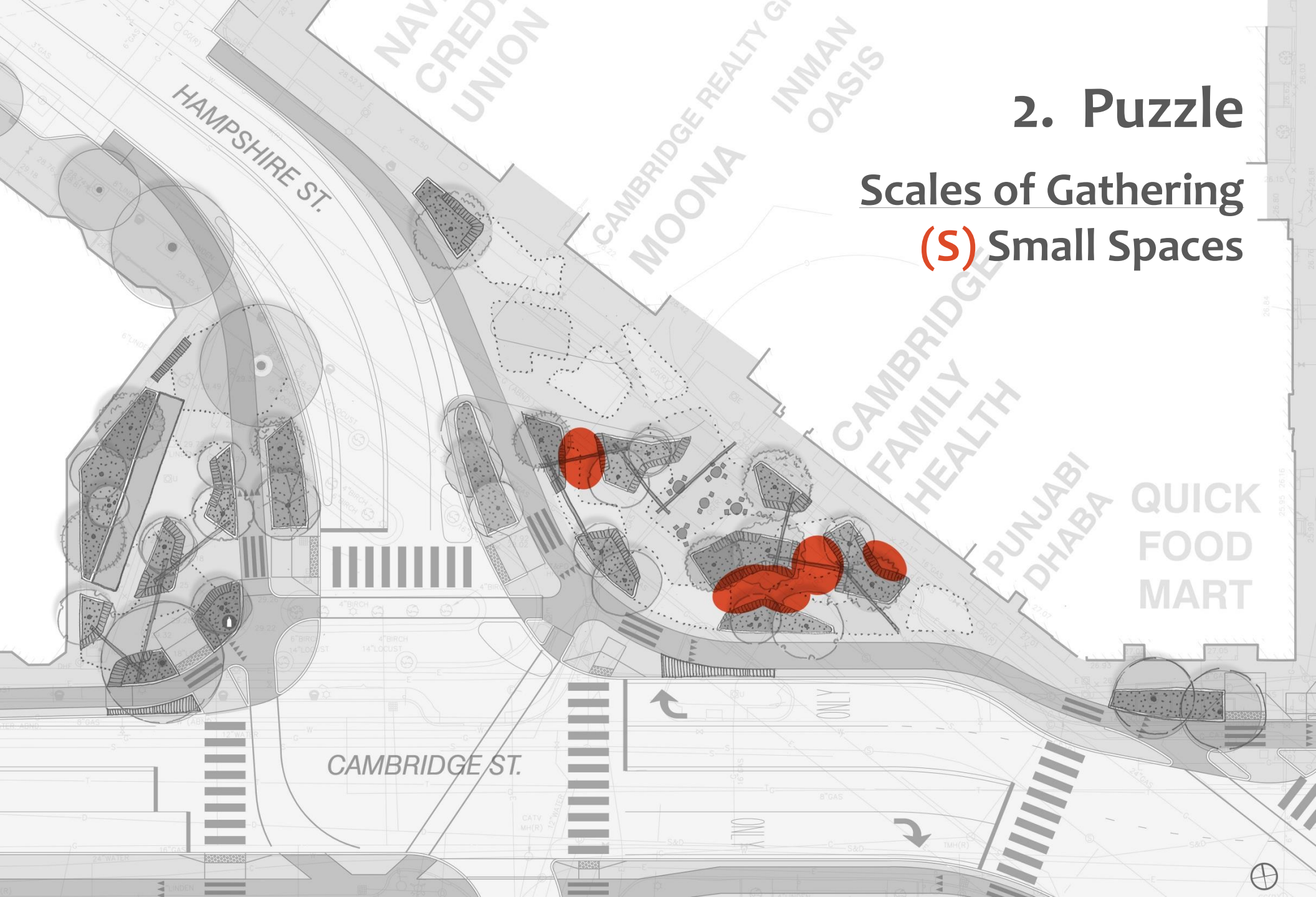
Scales of Gathering

- (S) Small Spaces
- (M) Medium Spaces
- (L) Large Spaces



2. Puzzle

Scales of Gathering (S) Small Spaces





Pier 4 Plaza, Boston



Seville, Spain



Netherlands

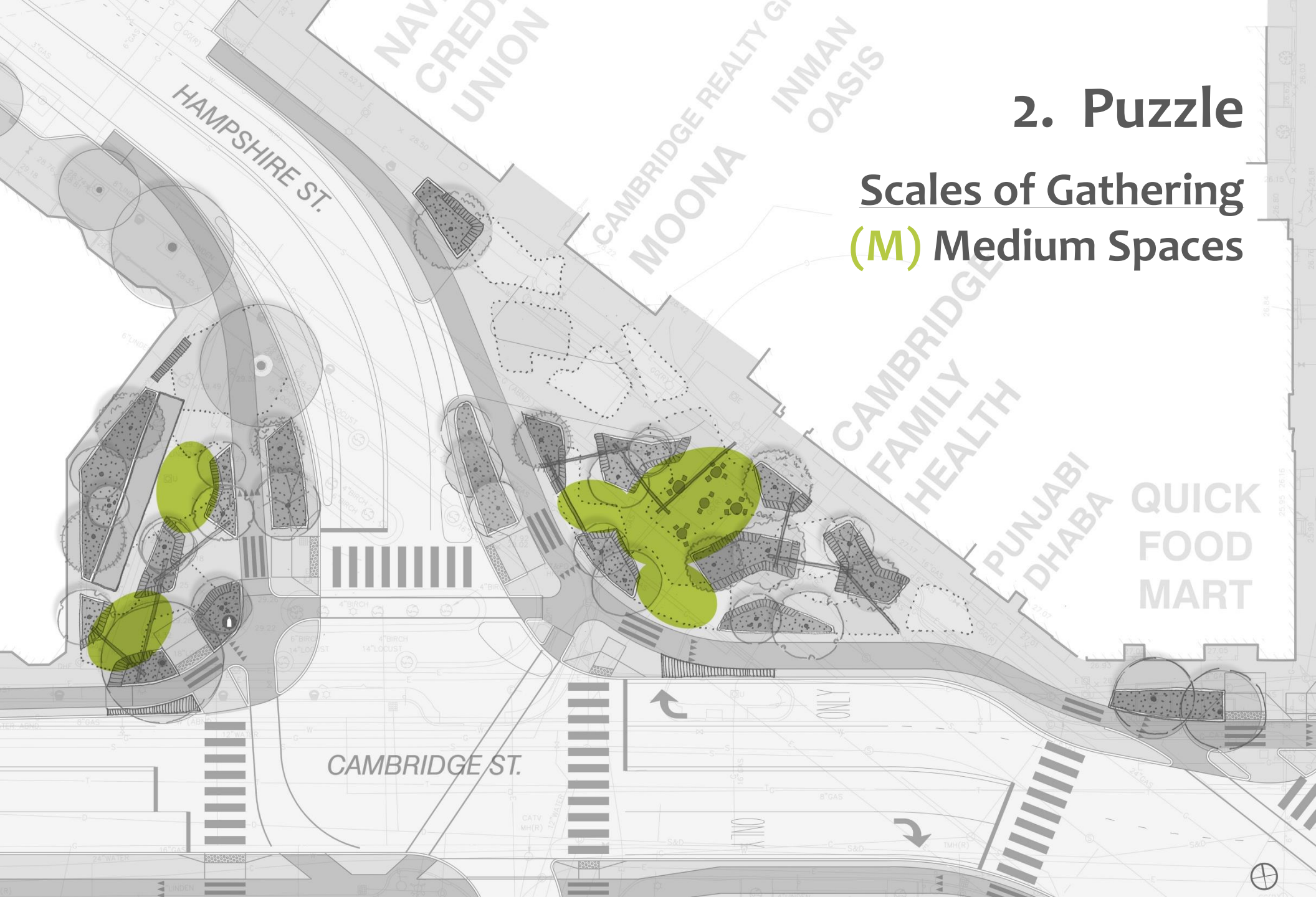
2. Puzzle

(S) Small Spaces



2. Puzzle

Scales of Gathering (M) Medium Spaces





Cleveland, Ohio



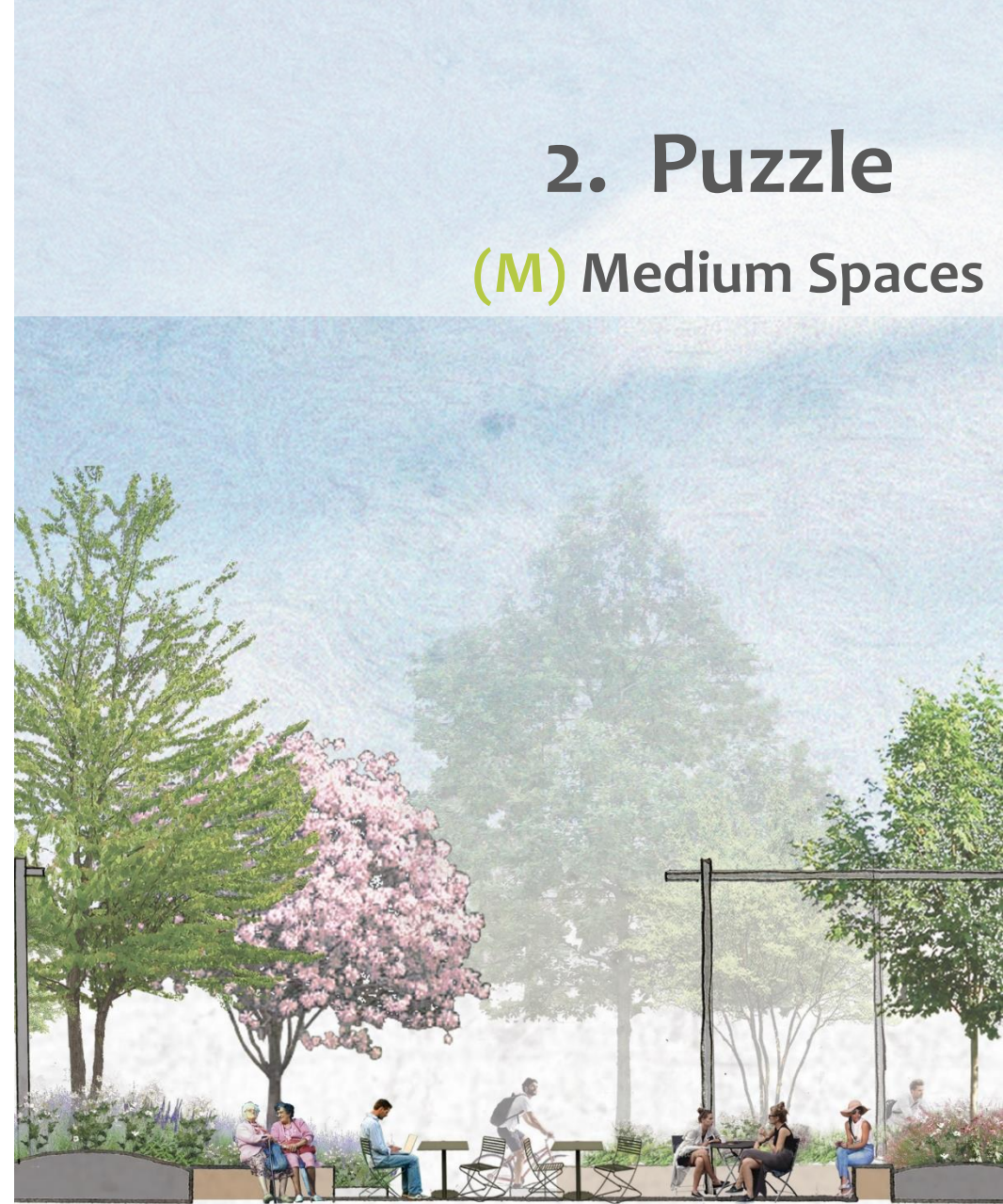
Melbourne, Australia



San Francisco, California

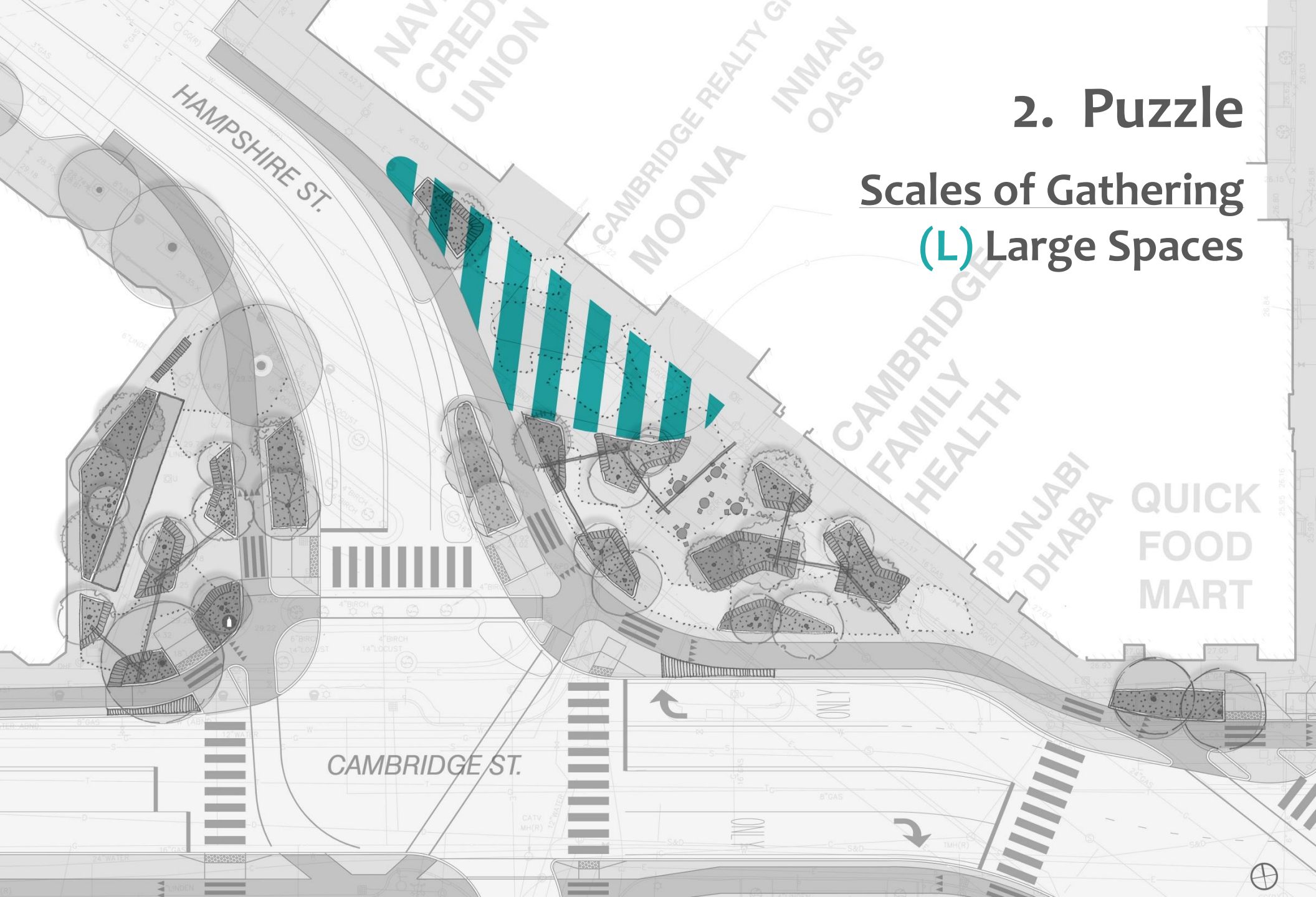
2. Puzzle

(M) Medium Spaces



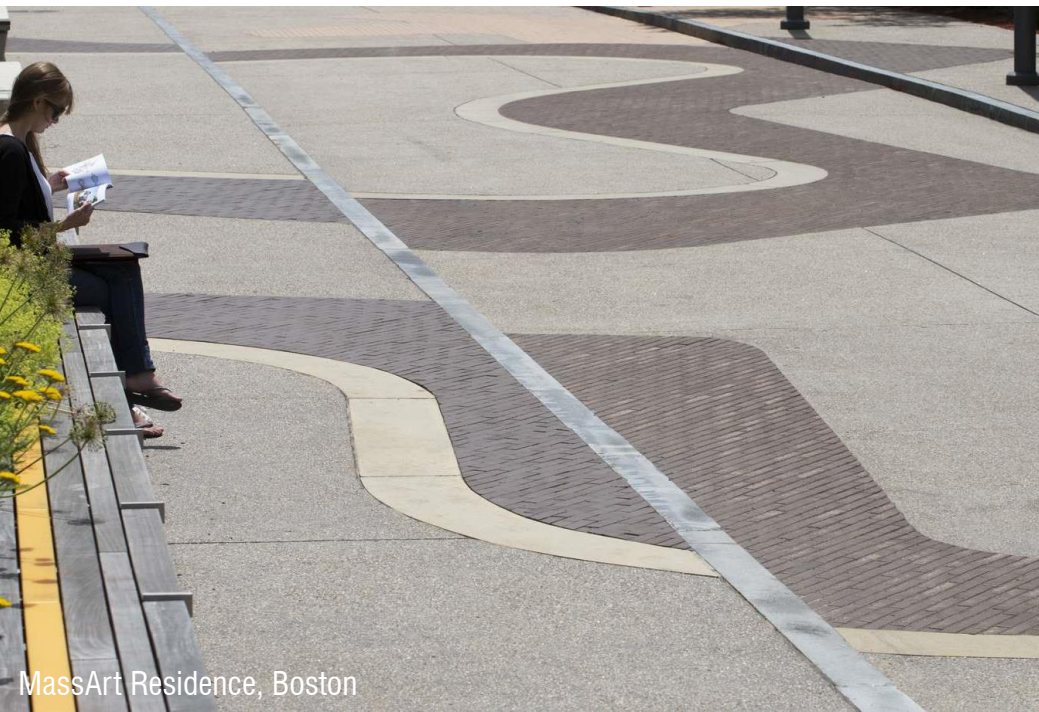
2. Puzzle

Scales of Gathering (L) Large Spaces





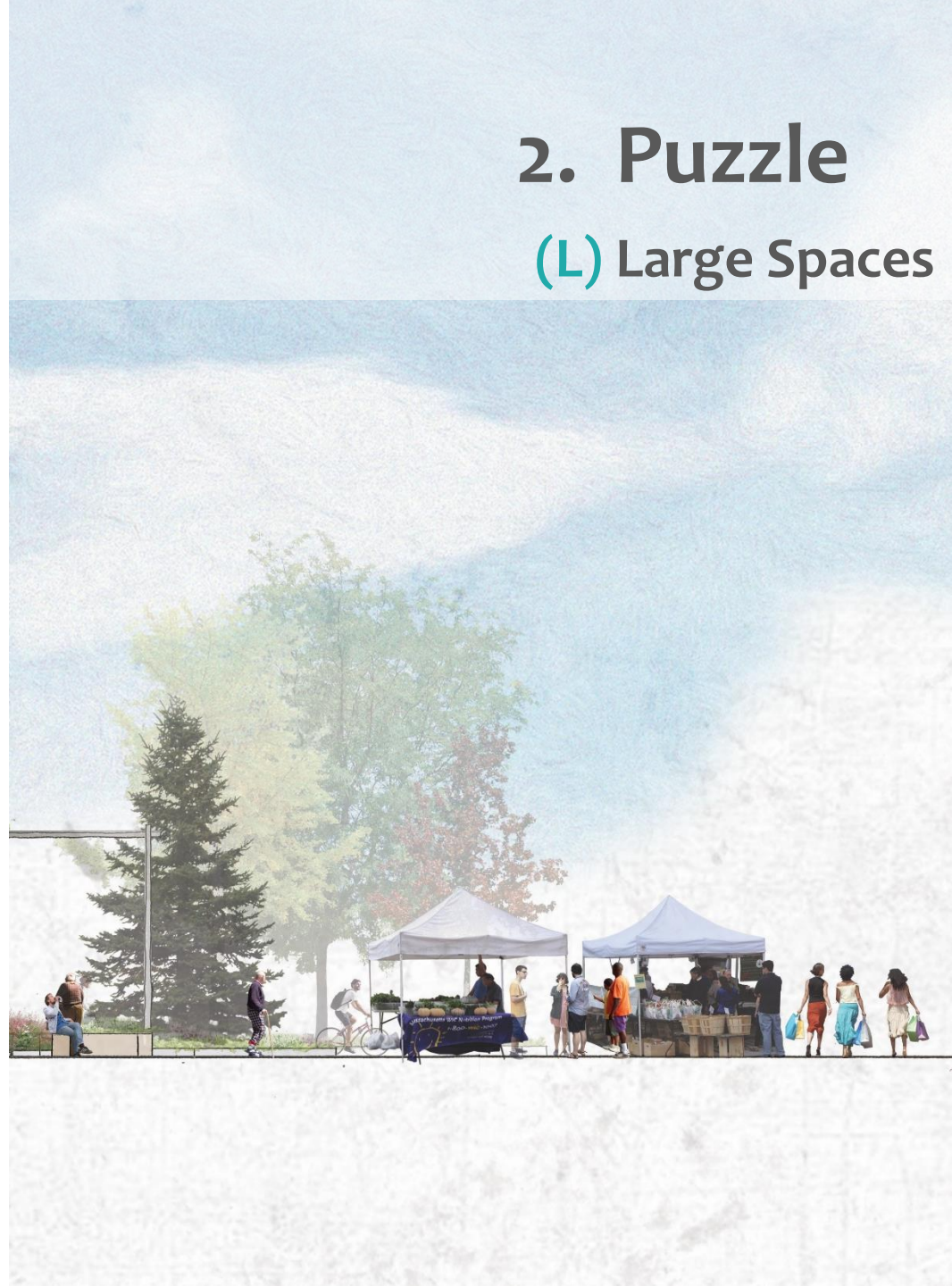
Dewey Square, Boston

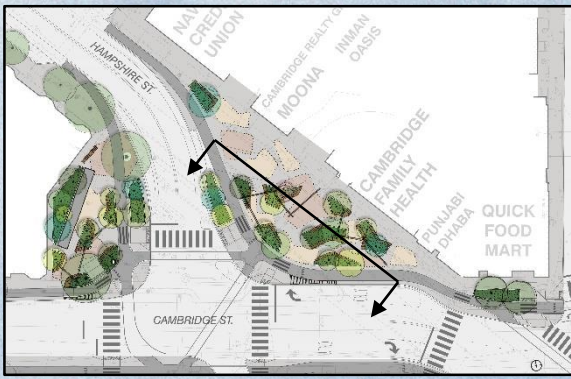


MassArt Residence, Boston

2. Puzzle

(L) Large Spaces





2. Puzzle

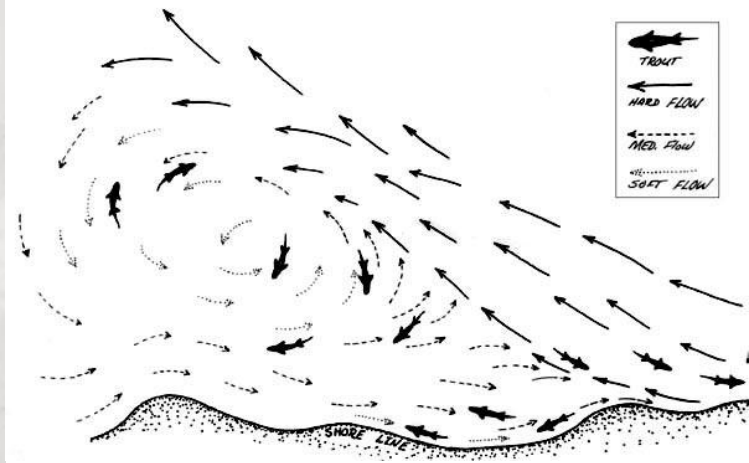
Scales of Gathering

- (S) Small Spaces
- (M) Medium Spaces
- (L) Large Spaces





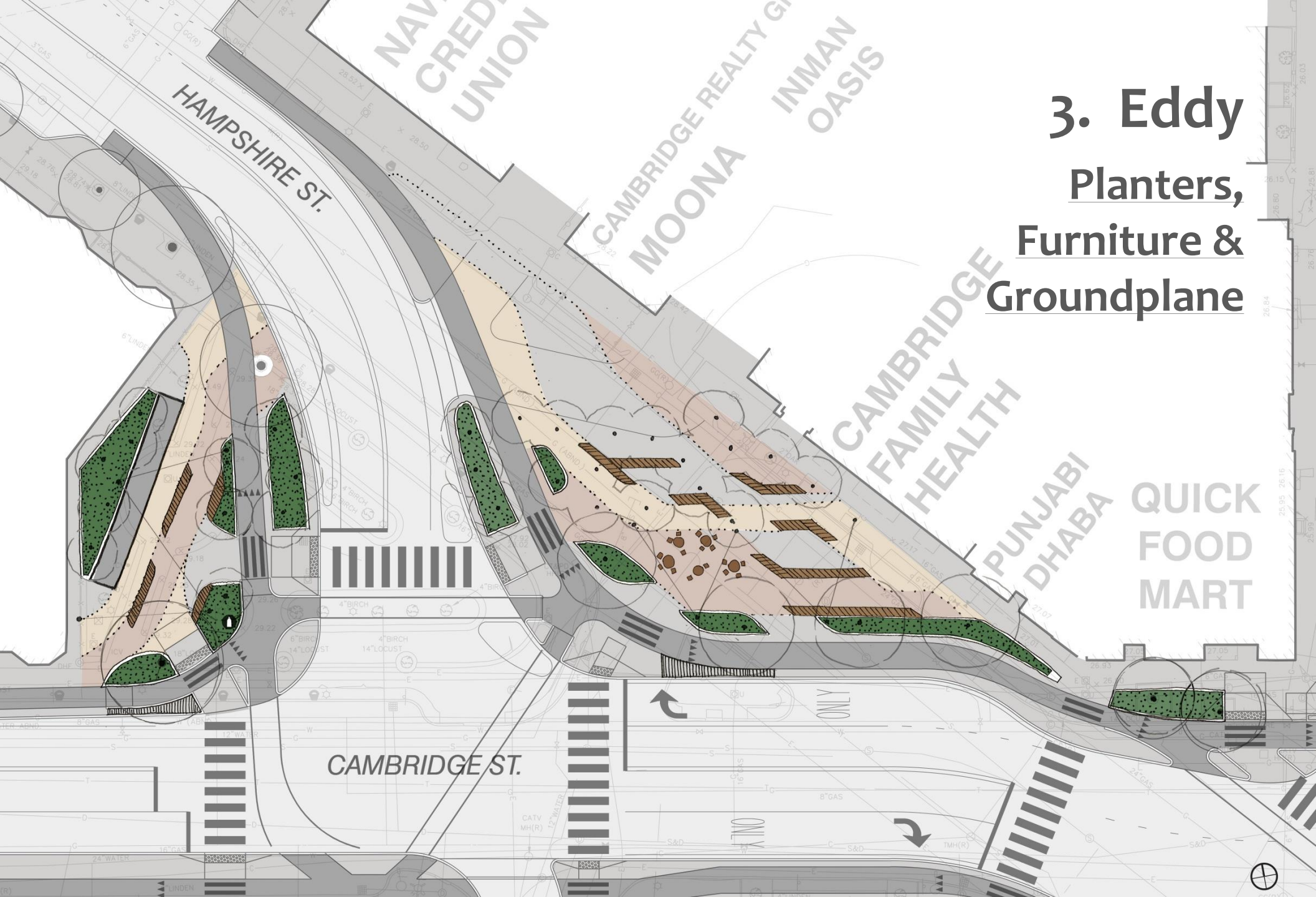
3. Eddy 'plaza is an eddy in circulation'



3. Eddy Proposed Design



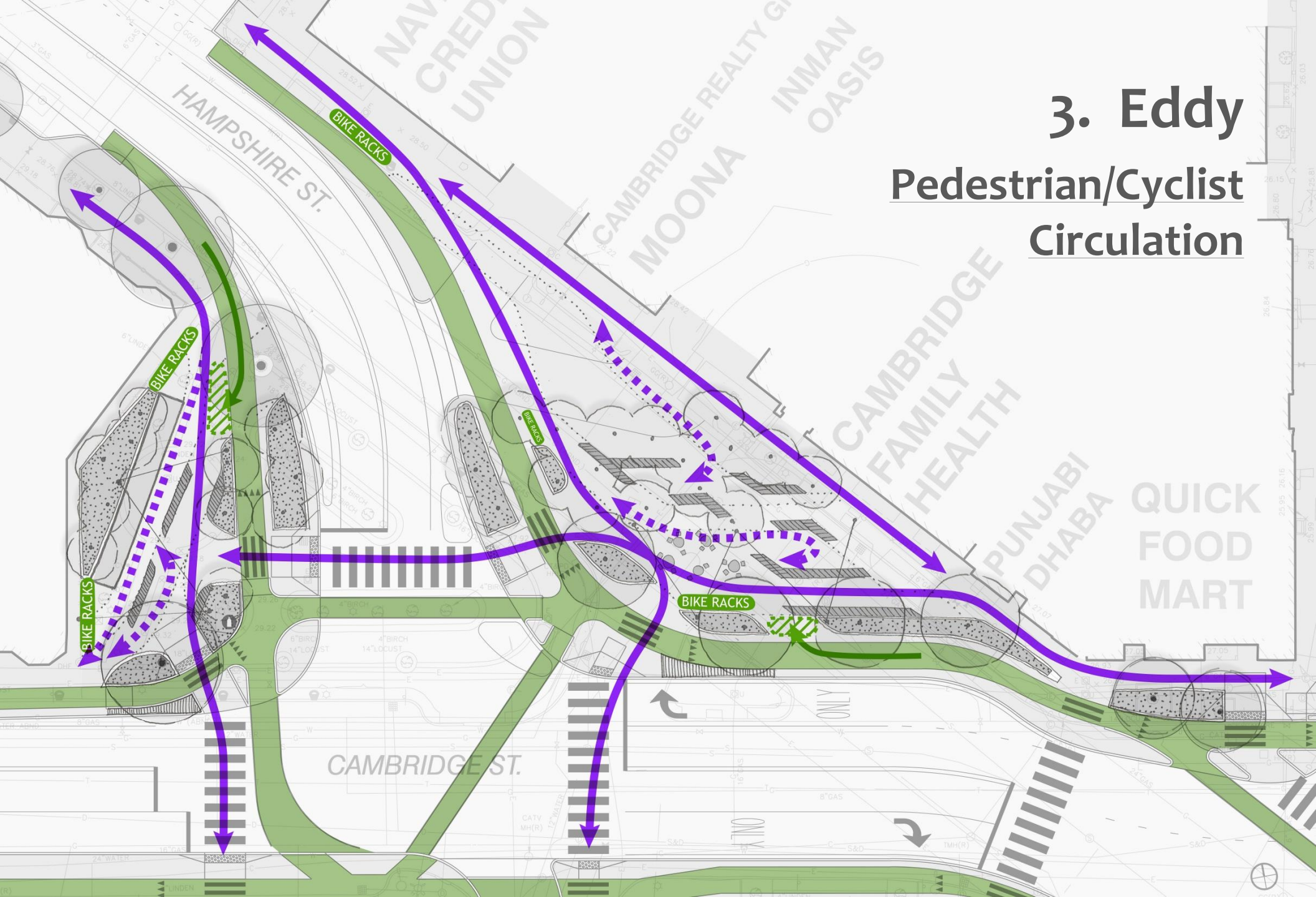
3. Eddy Planters, Furniture & Groundplane



3. Eddy Tree Canopy (+10 years*)



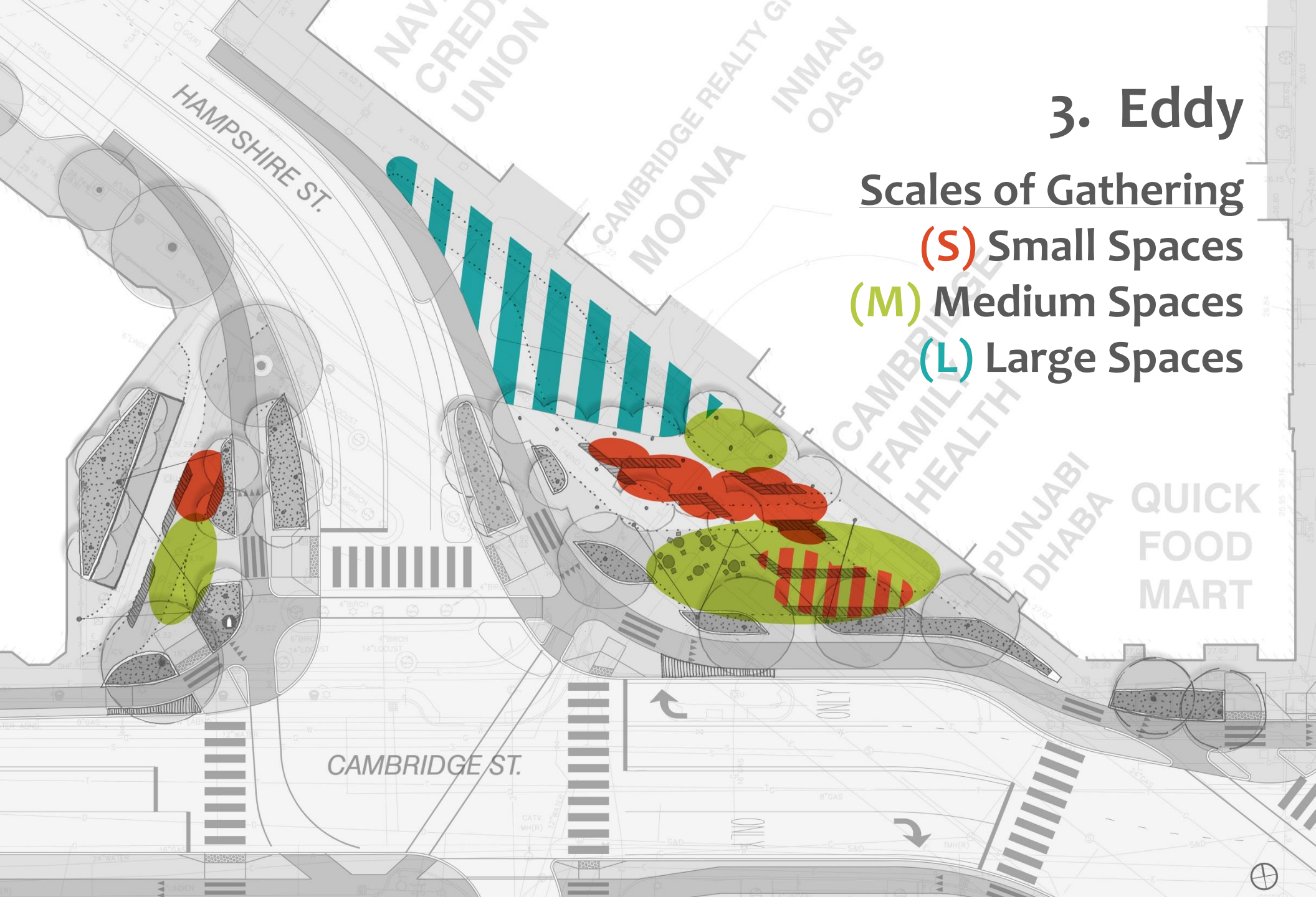
3. Eddy Pedestrian/Cyclist Circulation



3. Eddy

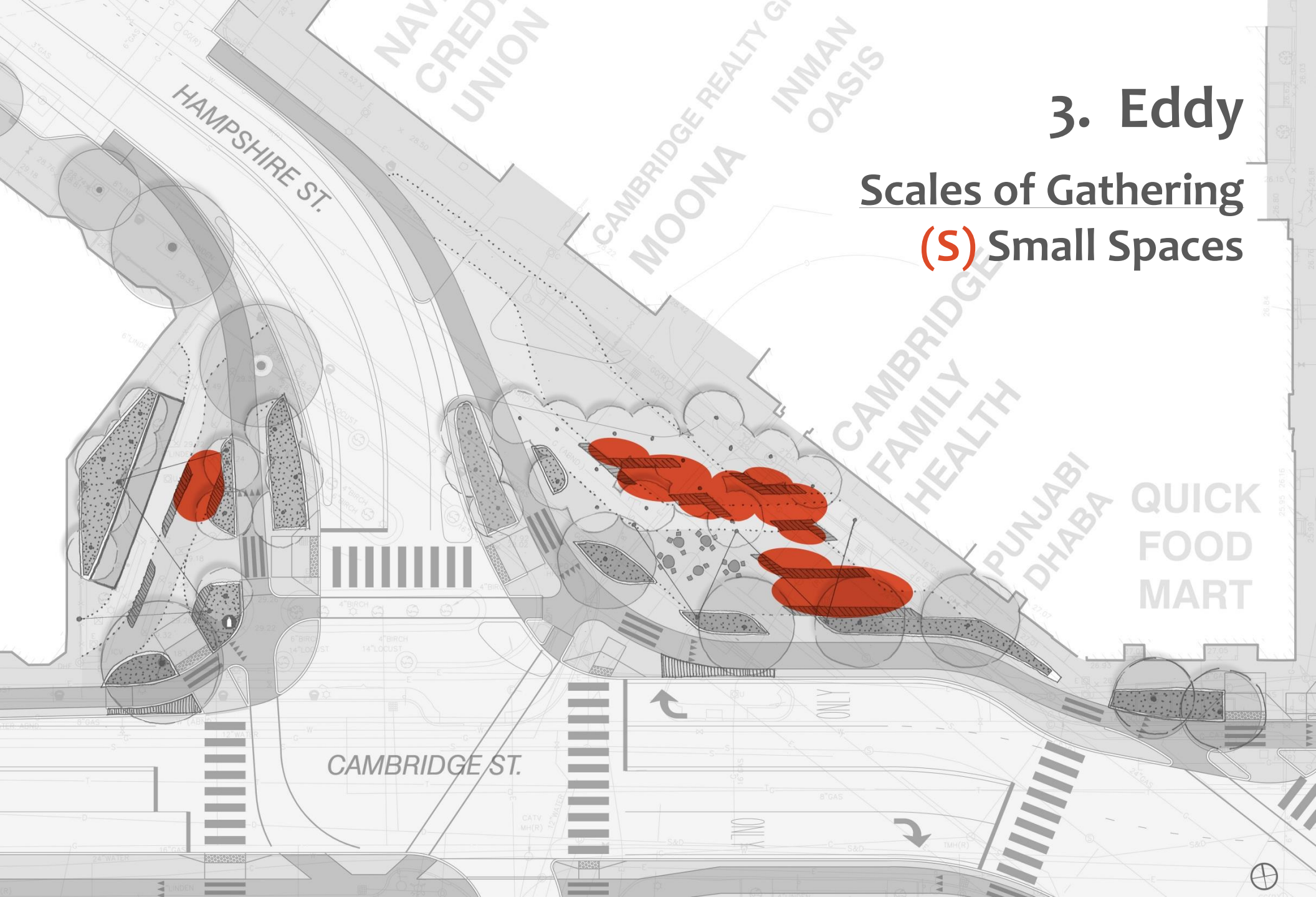
Scales of Gathering

- (S) Small Spaces
- (M) Medium Spaces
- (L) Large Spaces



3. Eddy

Scales of Gathering (S) Small Spaces



3. Eddy

(S) Small Spaces



Pier 4 Plaza, Boston



Science Center Plaza, Harvard

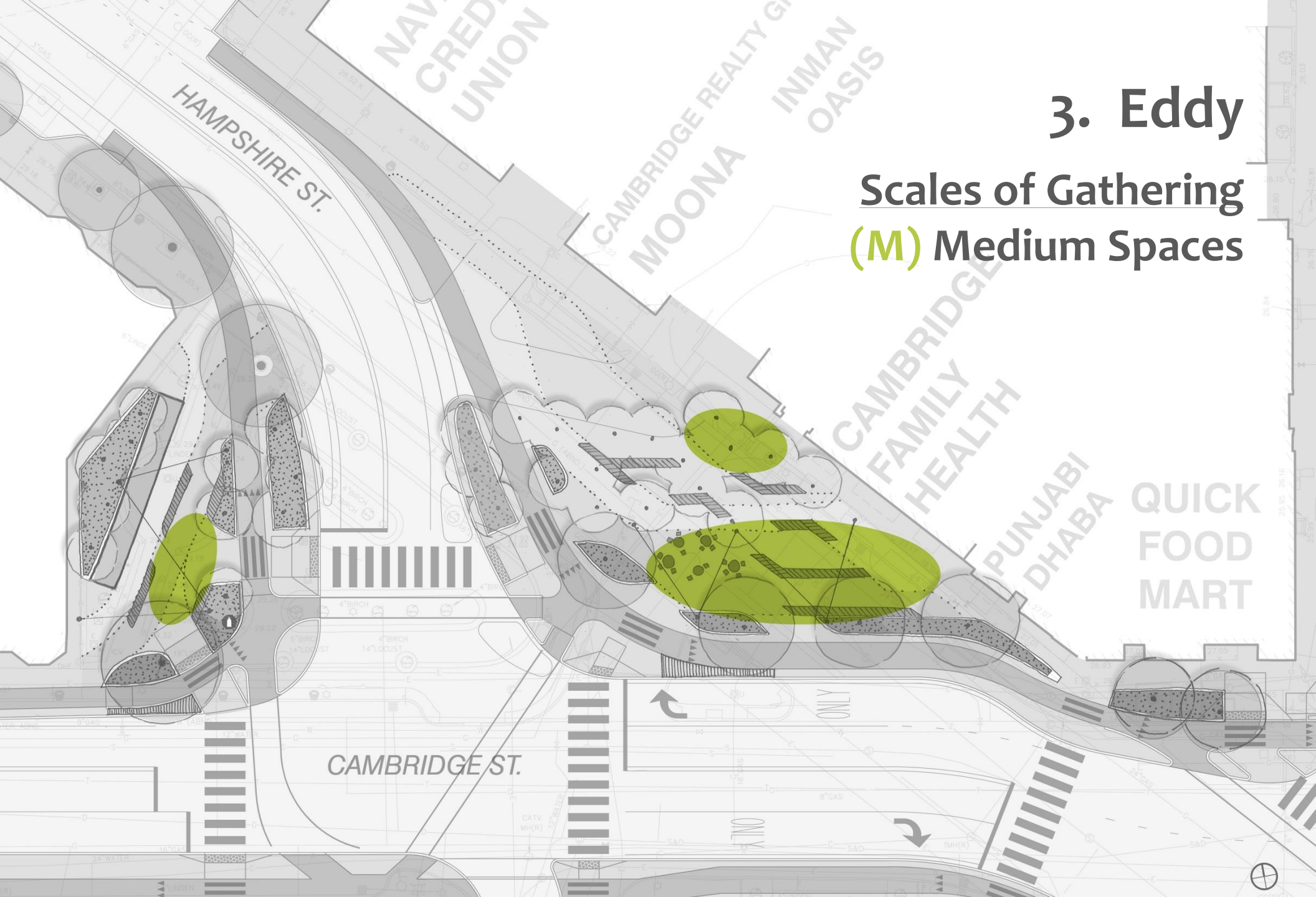


Portland, Oregon



3. Eddy

Scales of Gathering (M) Medium Spaces





Cleveland Ohio



Langley, Canada

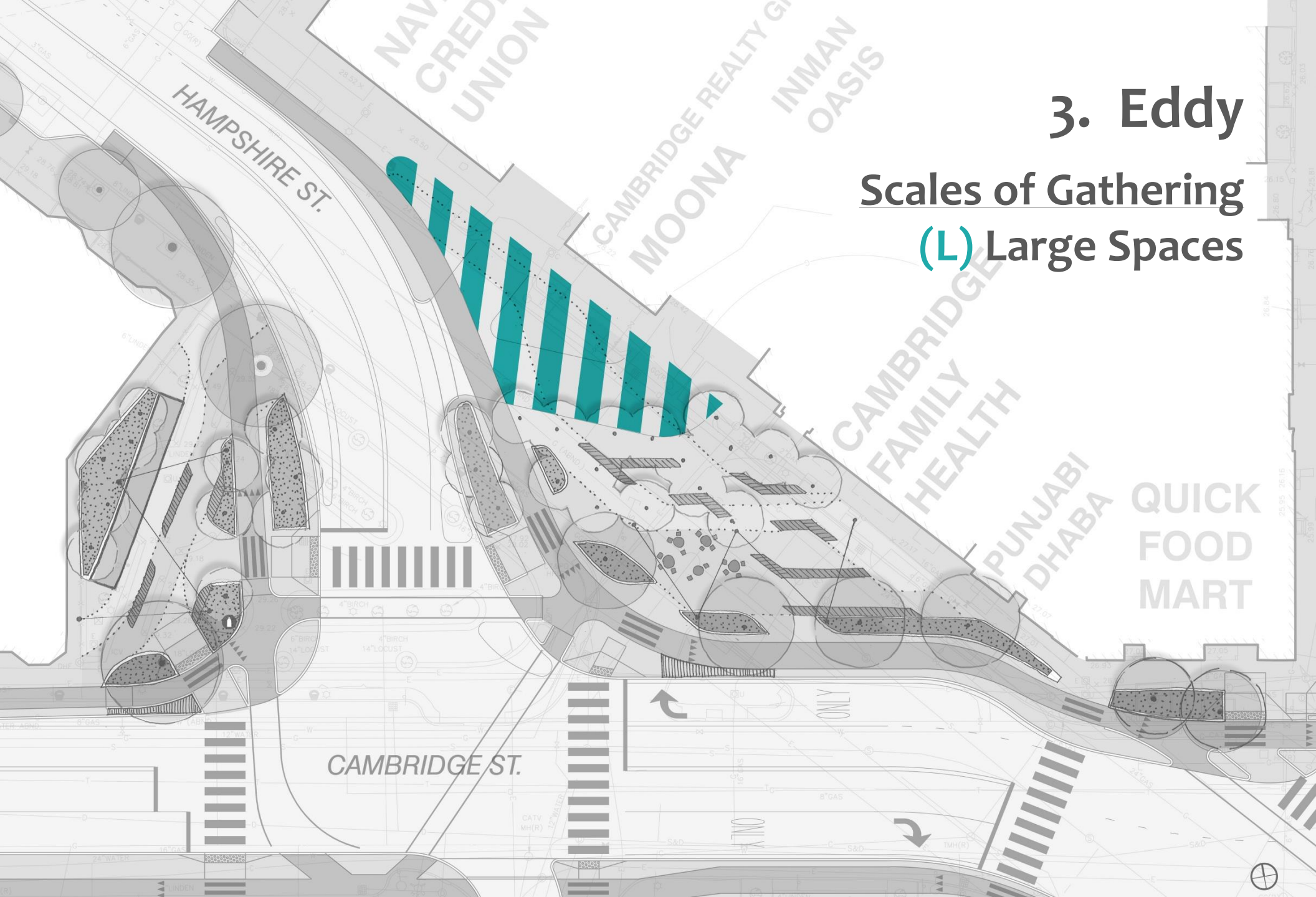
3. Eddy

(M) Medium Spaces



3. Eddy

Scales of Gathering (L) Large Spaces





Dewey Square, Boston

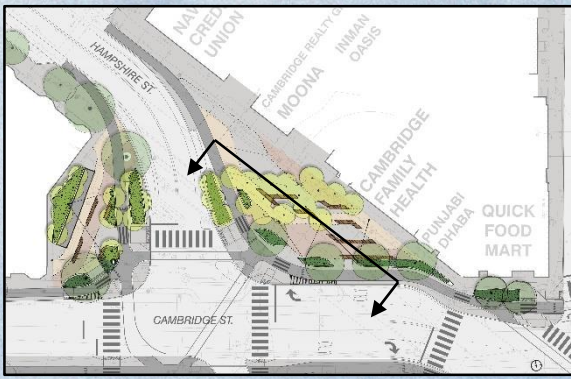


Lafayette Square, Cambridge

3. Eddy

(L) Large Spaces





3. Eddy

Scales of Gathering

- (S) Small Spaces
- (M) Medium Spaces
- (L) Large Spaces





Summary of 3 Plaza Concepts

1. **Wedge**
2. **Puzzle**
3. **Eddy**

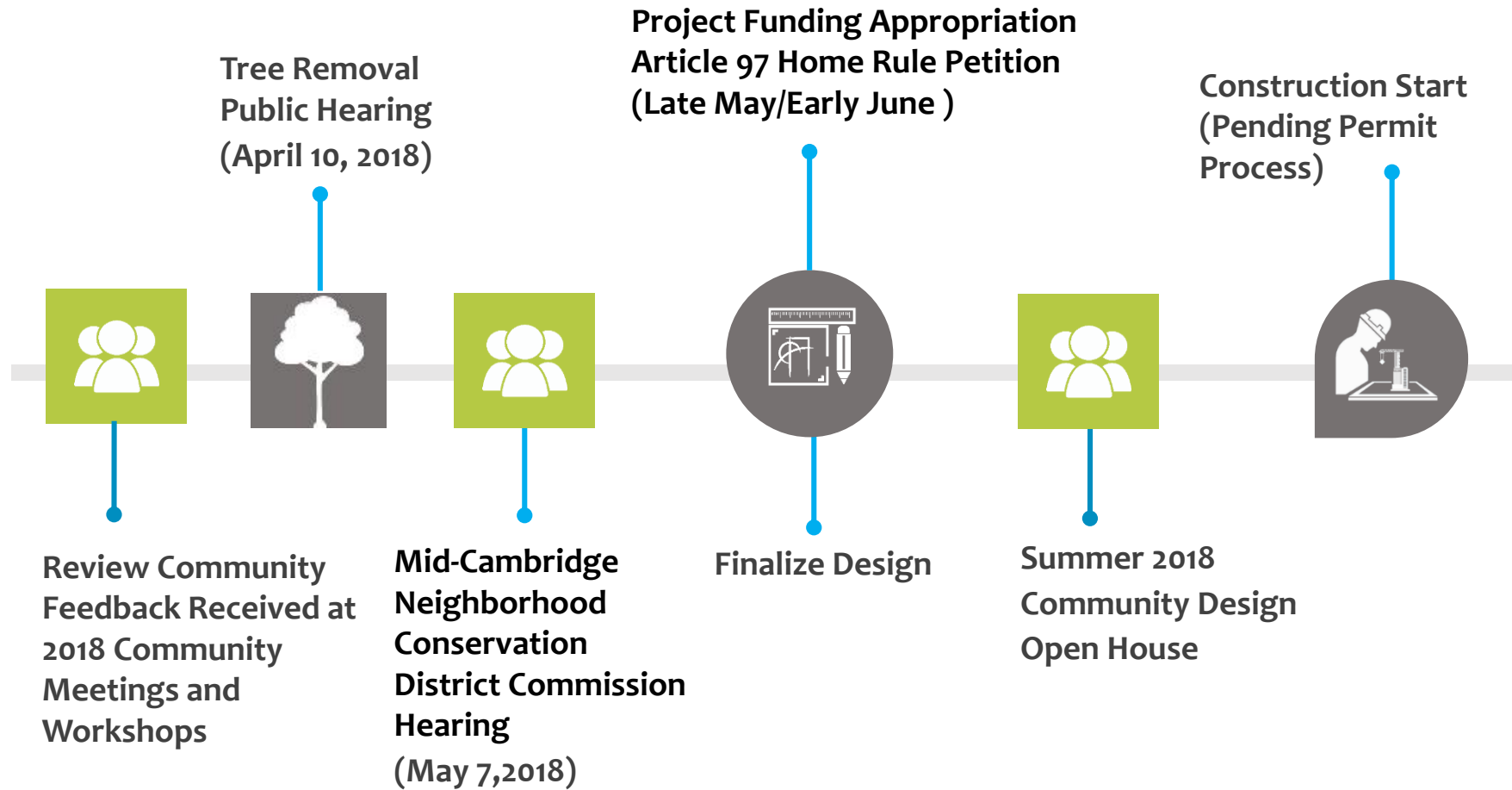
1. Wedge



3. Eddy



Next Steps



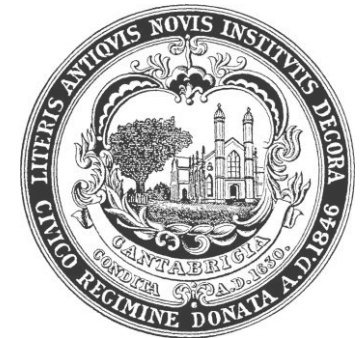
NEXT STEPS AND FEEDBACK SESSION

Next Steps

QUESTIONS

CONTACT INFORMATION:

Community.cambridge@kleinfelder.com
www.cambridgema.gov/theworks/inmansquare



Feedback Session

1. Do you have a preference toward one concept? Or portions of different concepts?
2. What are some of the design features that attract you towards a preferred concept or portions of different concepts?
3. Do you feel there should be more medium or smaller sized spaces?
4. Do you feel there is a need for two large sized spaces in the plaza? Or is one sufficient?

CONTACT INFORMATION:

Community.cambridge@kleinfelder.com

www.cambridgema.gov/theworks/inmansquare

