

# UW Tacoma Milgard Hall

UWAC Meeting  
10 August 2020

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1.

# Project Goals

## Goals in Progress

### Innovate

- **Promote interdisciplinary innovation** through the creation of teaching and convening spaces that leverage existing industry and nonprofit partnerships and engage the Tacoma community.
- **Encourage Design Thinking** by promoting interactions between faculty, staff, students, and the community.

### Educate

- **Provide a flexible environment** that will support evolving modes of teaching, learning, and collaboration throughout the building's lifetime.
- **Integrate ambitious sustainable strategies** through mass timber and energy efficient construction that demonstrate environmentally responsible design to students and faculty.

### Engage

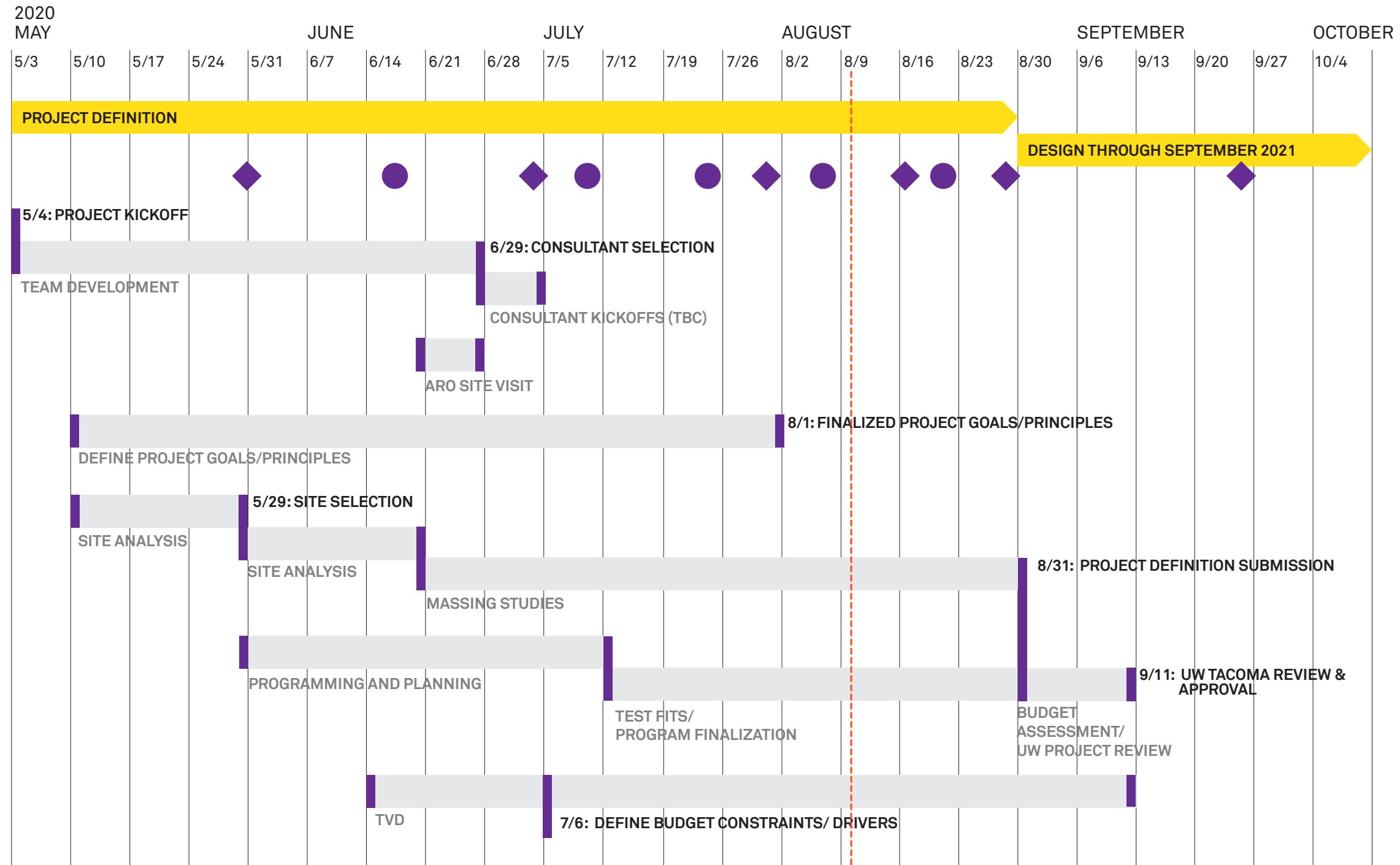
- **Establish a student-oriented hub** at the south end of campus that contributes to the academic core and reinforces the Prairie Line Trail.
- **Create a welcoming building** that relates to Tacoma's rich history of timber and speaks to the future.

# 2.

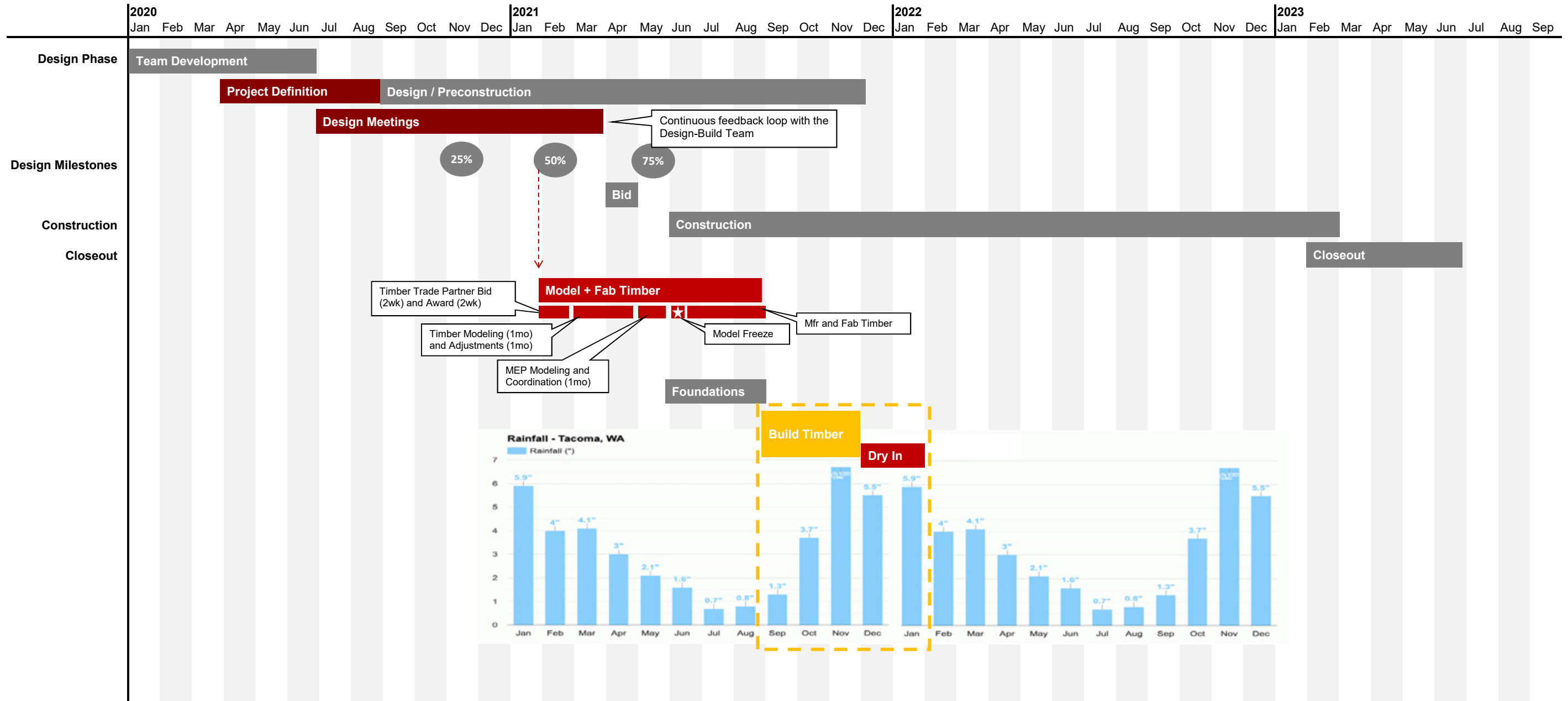
## Project Schedule

# Project Definition Schedule

- ◆ PEC MEETING
- WORKING GROUP MEETING



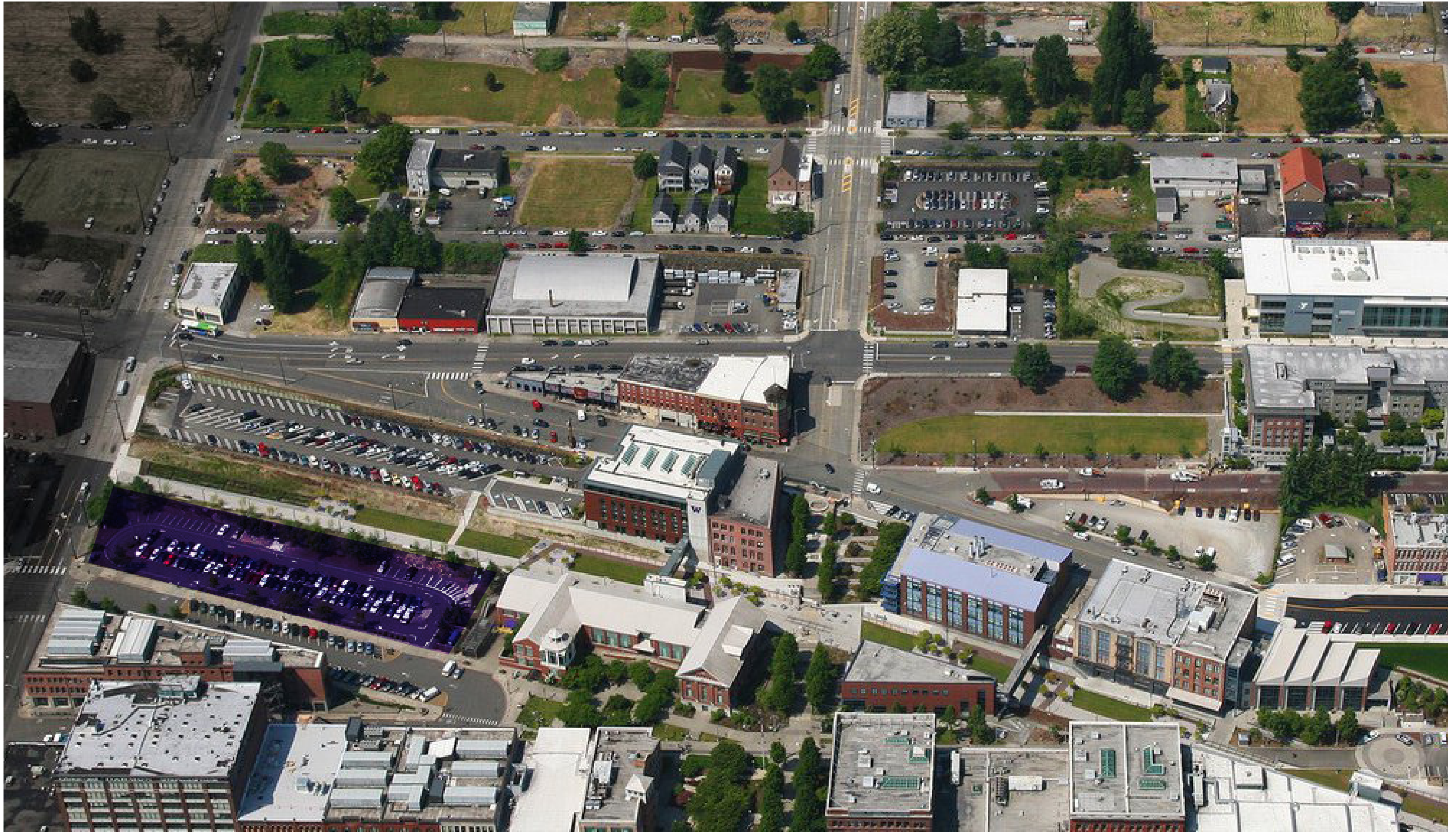
# Project Schedule



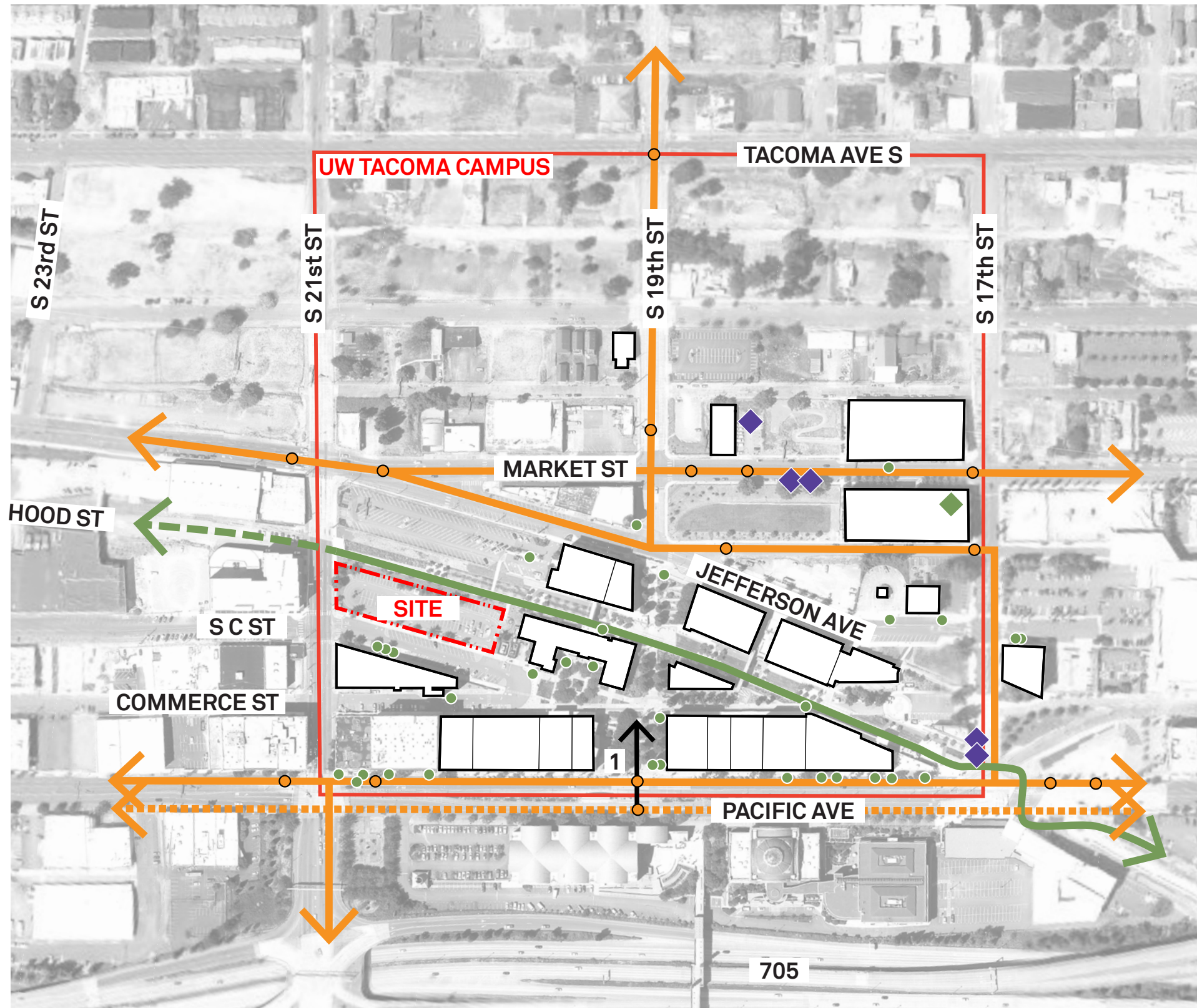
# 3. Site



# Site



# Mobility - Public Transit and Bike Routes










1. Union Station

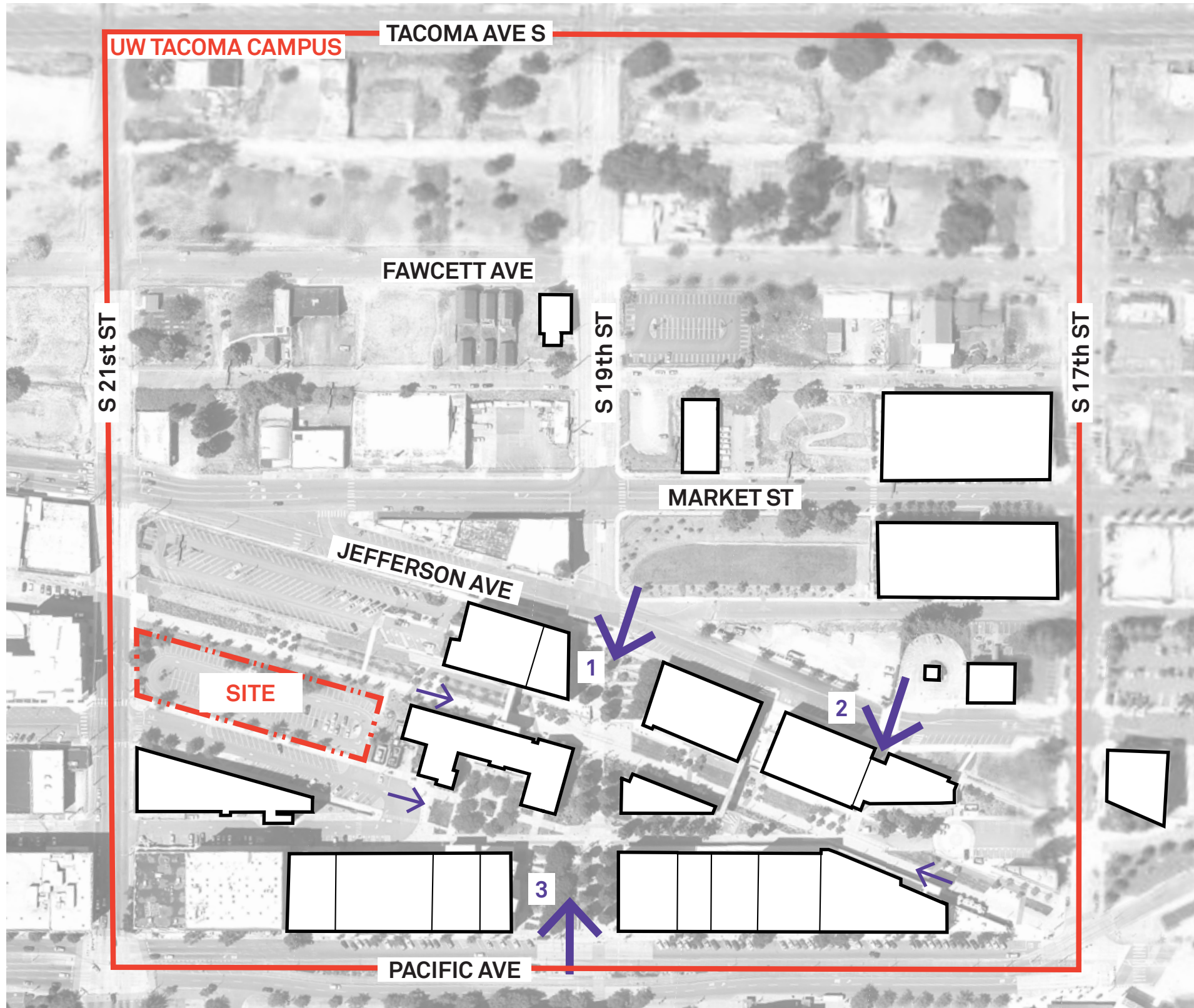


1. Union Station



-  Car Sharing
-  Bus Route
-  Light Rail
-  Bus / Light Rail Stop
-  Bike Routes
-  Bike Rack
-  Bike Storage

# Major Campus Entry



1. S 19th Street



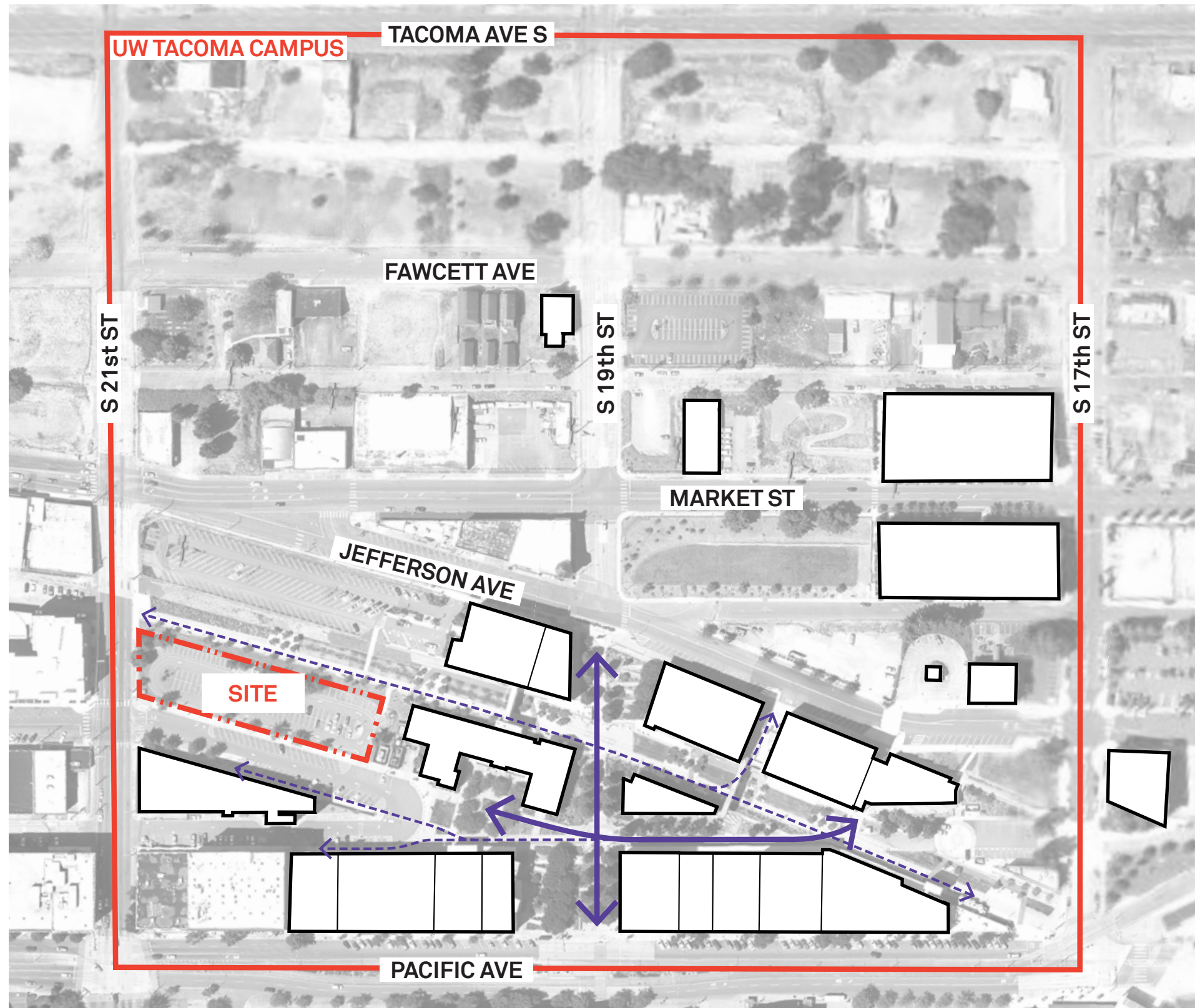
2. Dougan



3. Union Station



# Campus Circulation



# UW Tacoma - Along the Prairie Line

Present



1920s

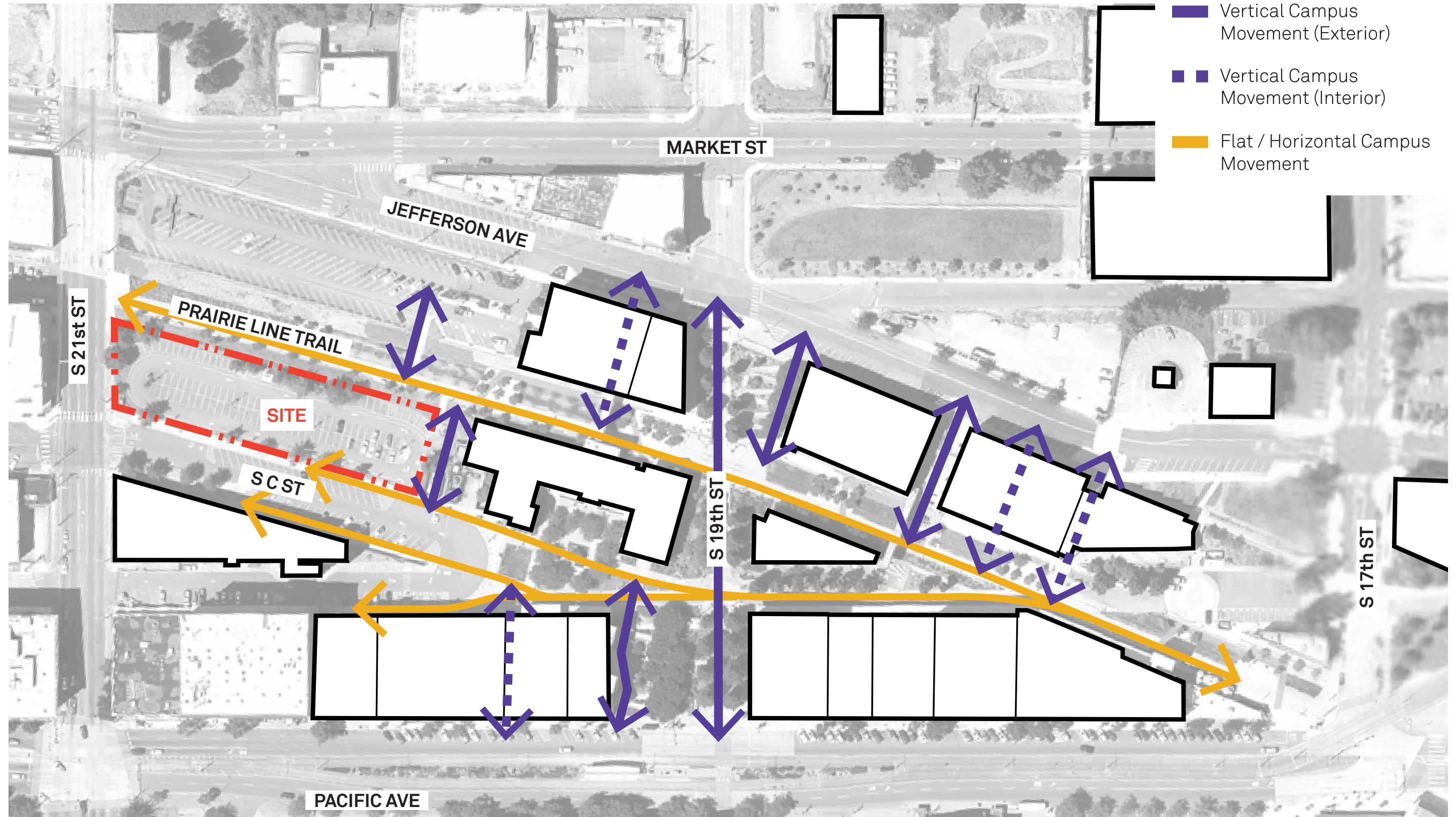


Looking North over the 21st Street crossing on the Prairie Line

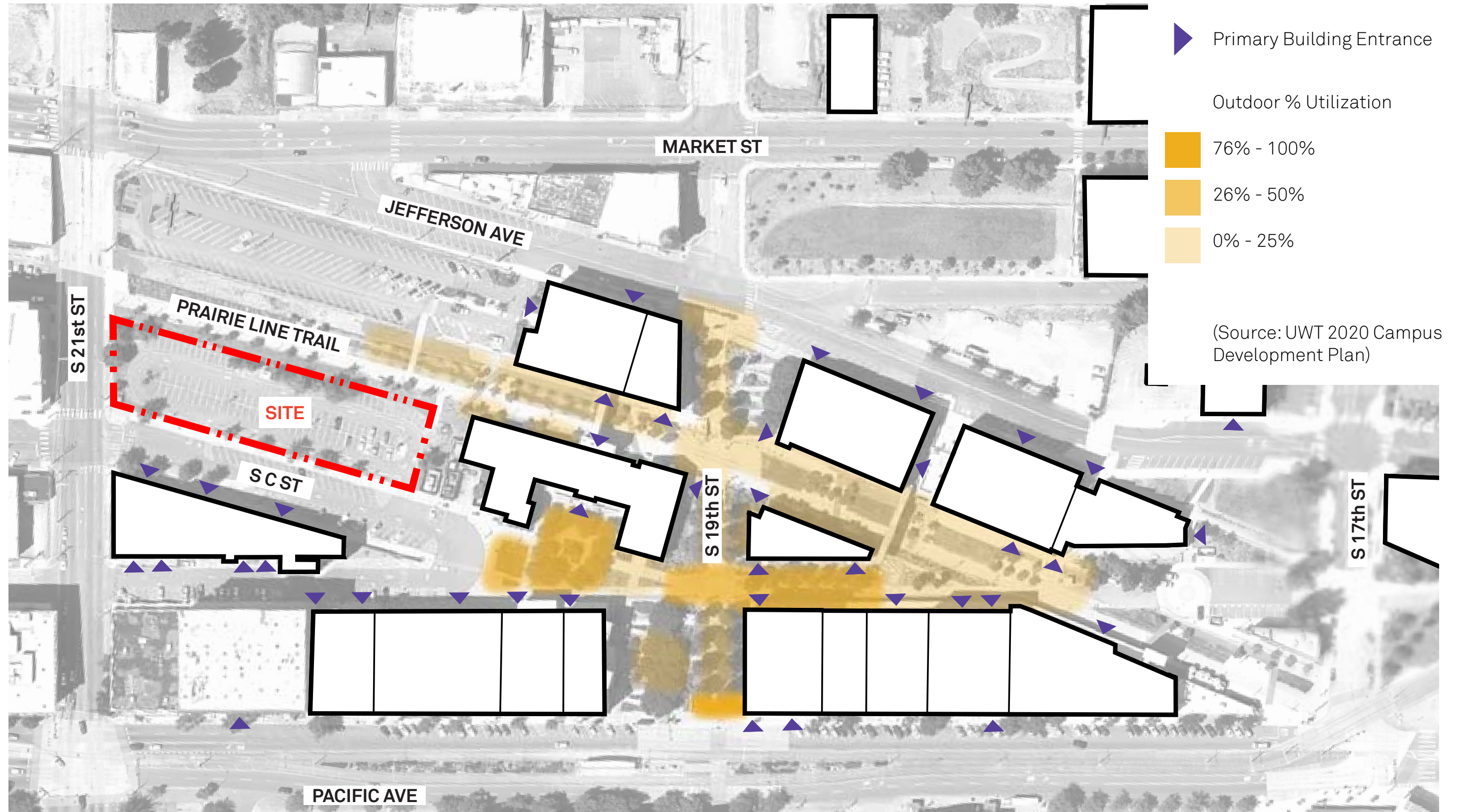


Intersection of the Prairie Line and 19th Street looking North

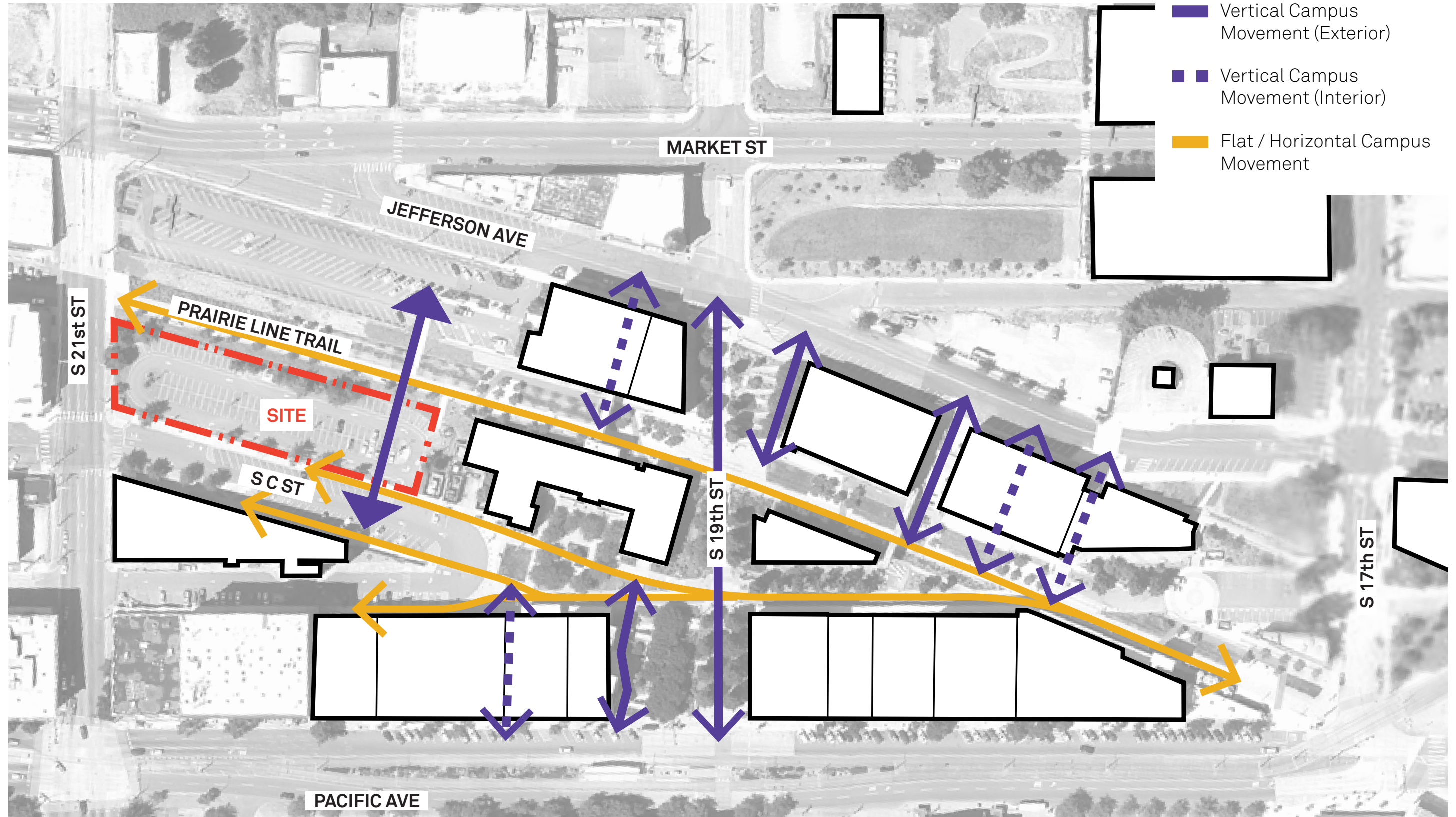
# Existing Campus Circulation



# Existing Building Entry and Outdoor Heatmap

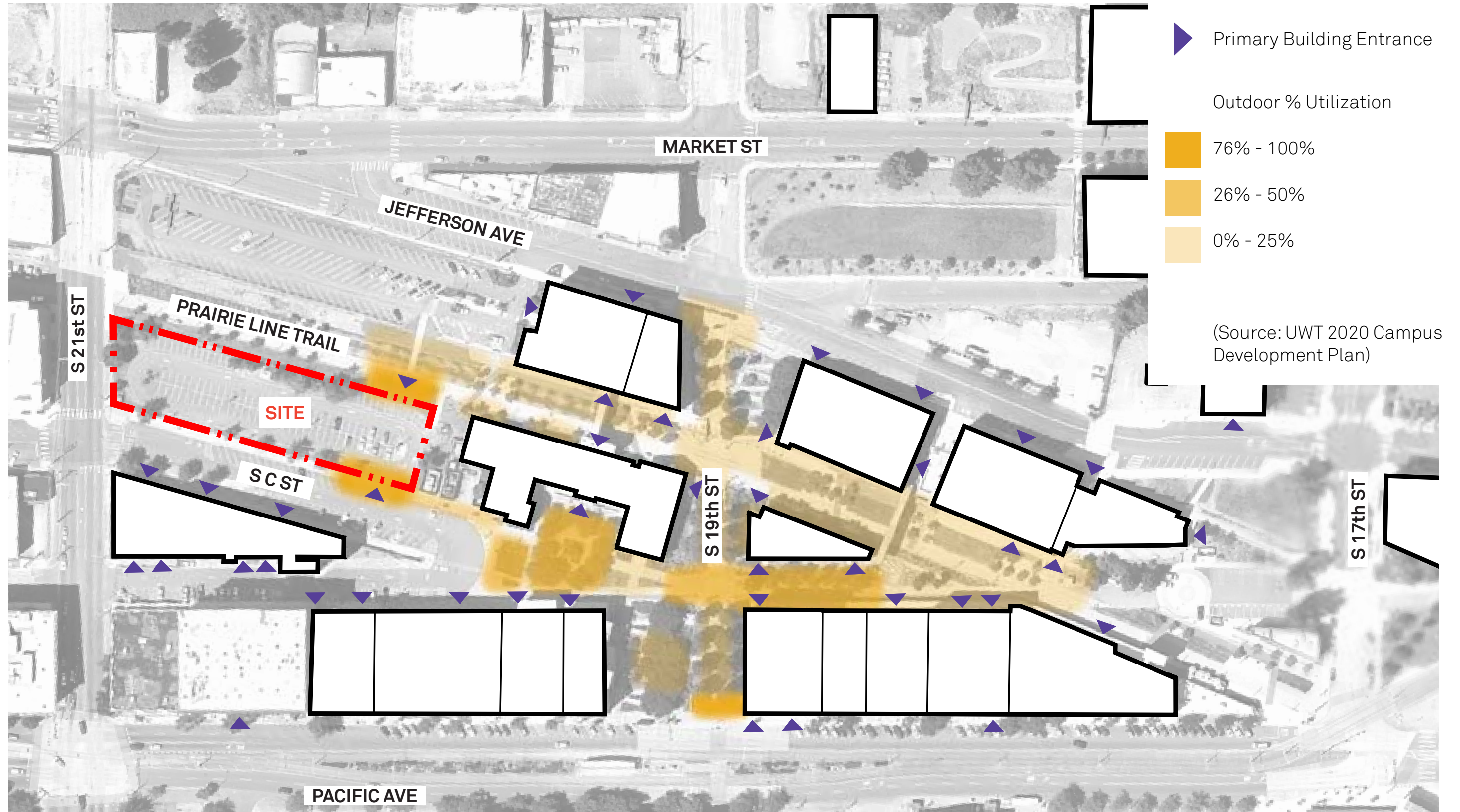


# Proposed Campus Circulation

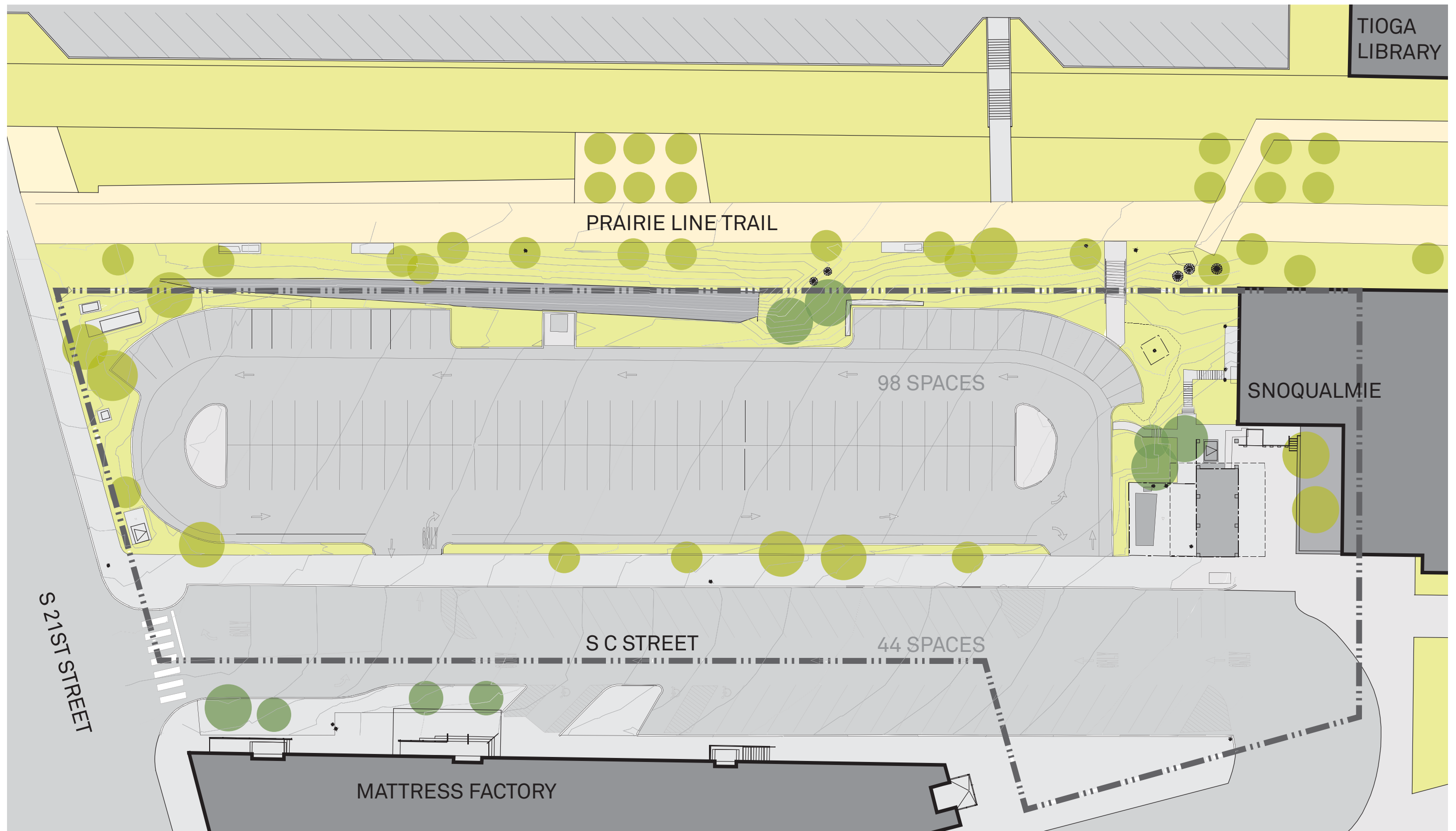




# Proposed Building Entry and Outdoor Heatmap



# Project Site



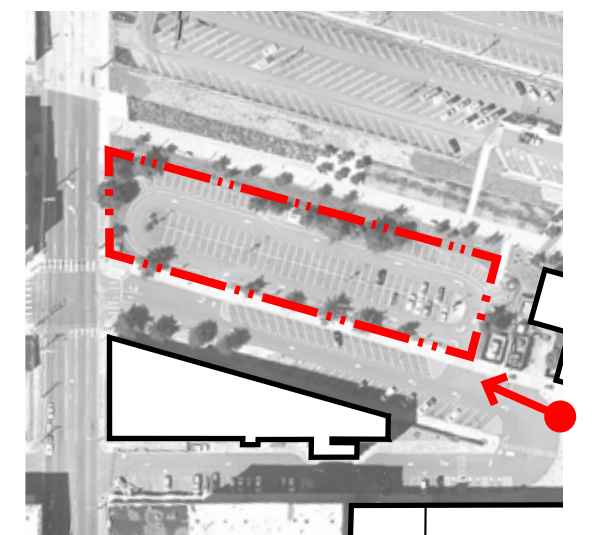
# View from South



# View of the Prairie Line Trail



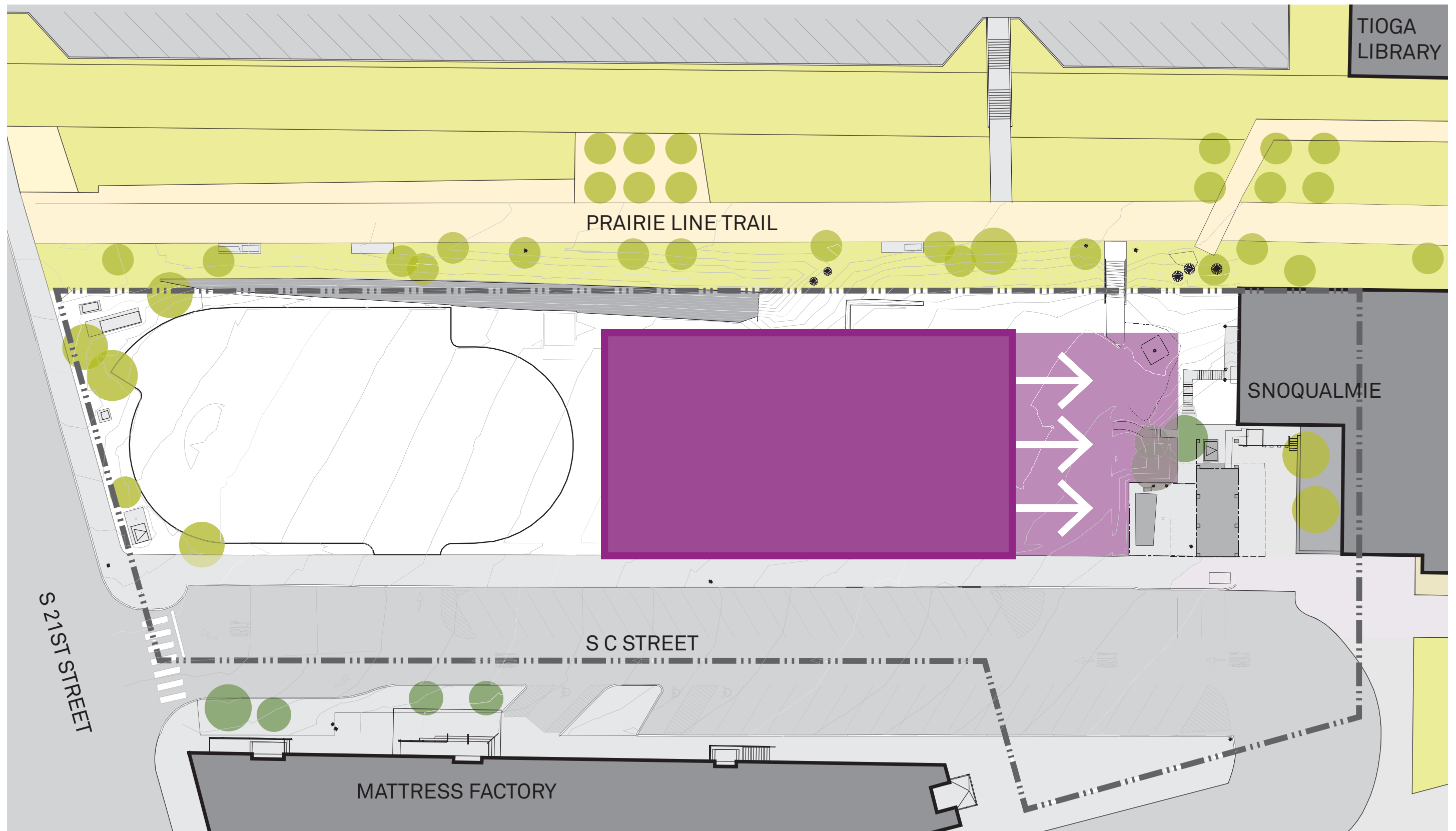
# View from Snoqualmie



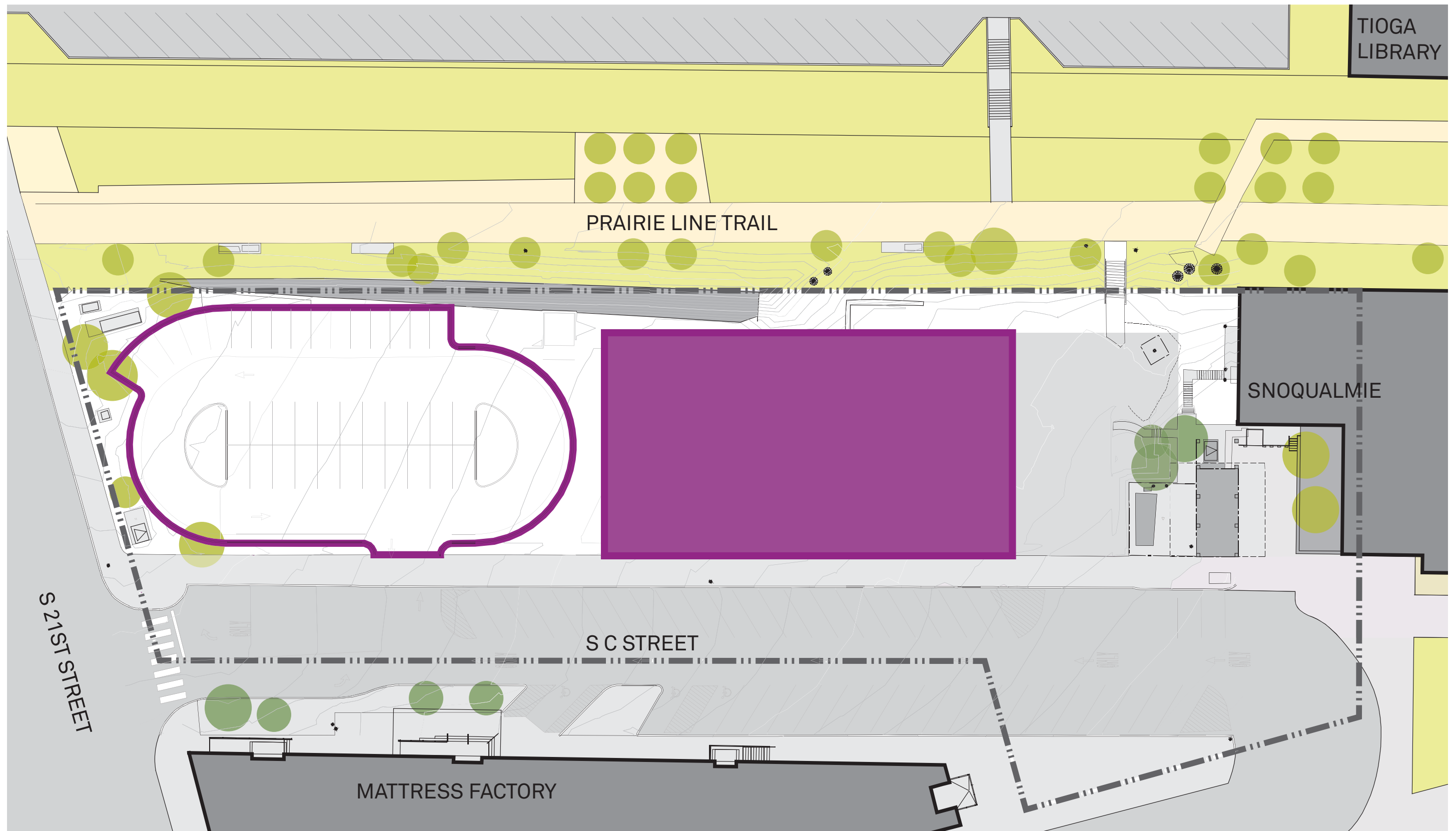
# View of Coal Bunker



# Site Strategy: Create a Science Court

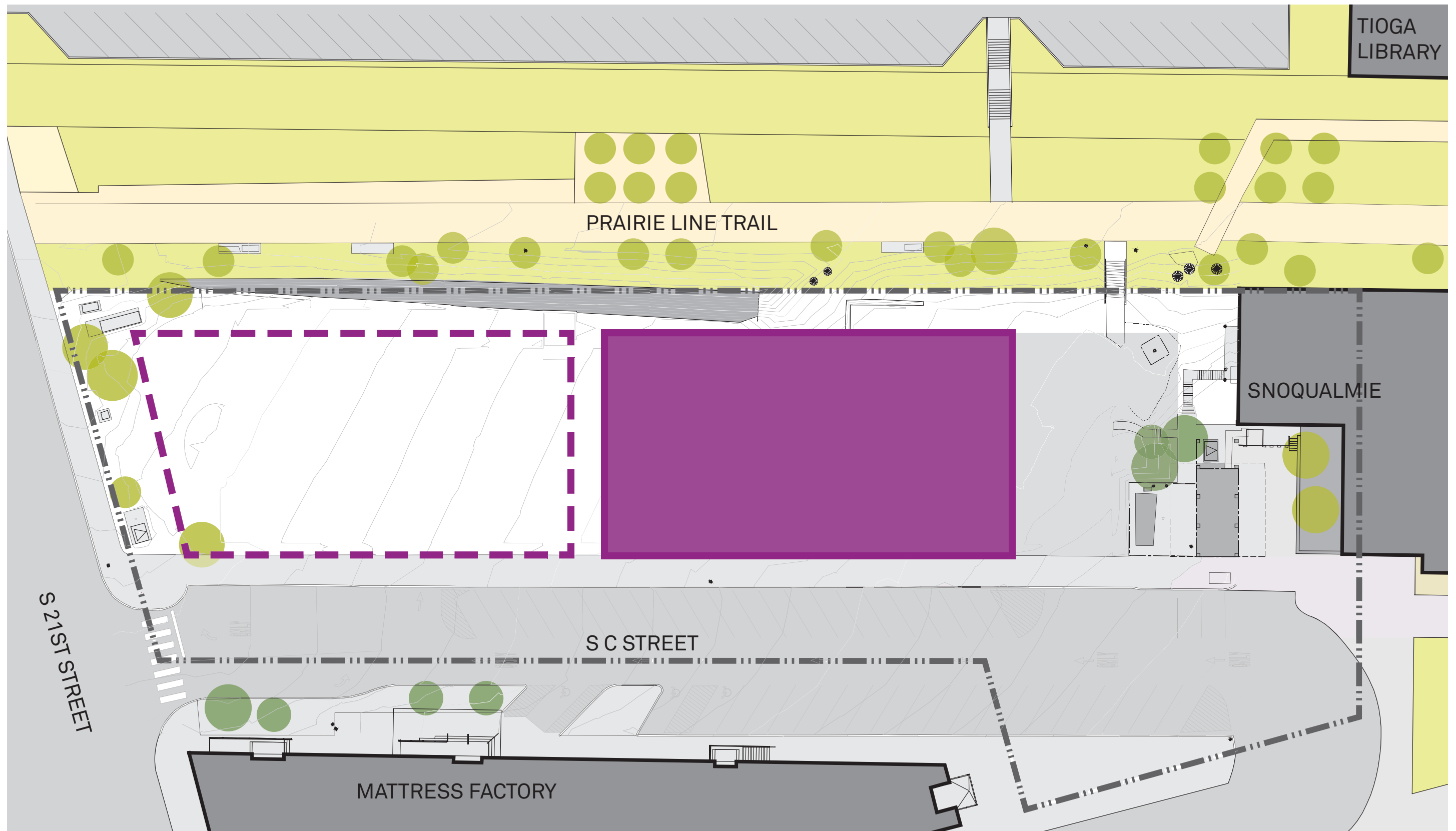


# Site Strategy: Maximize Parking



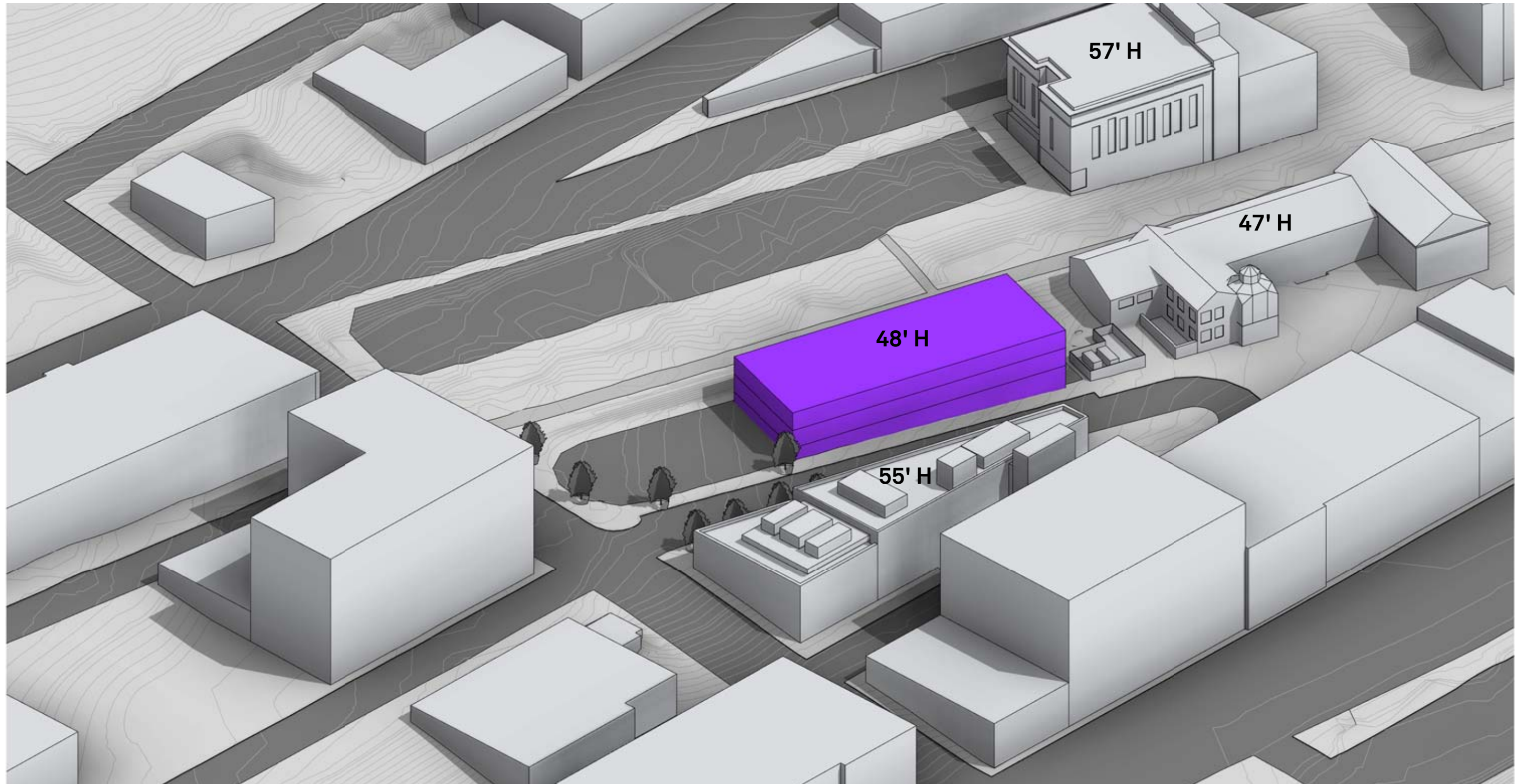


# Site Strategy: Allow for Future Development



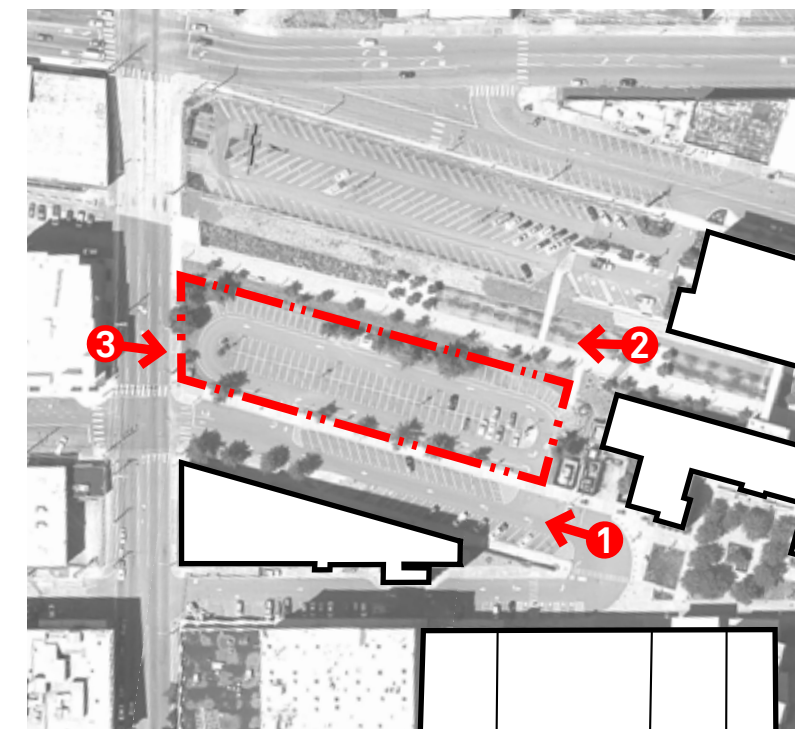
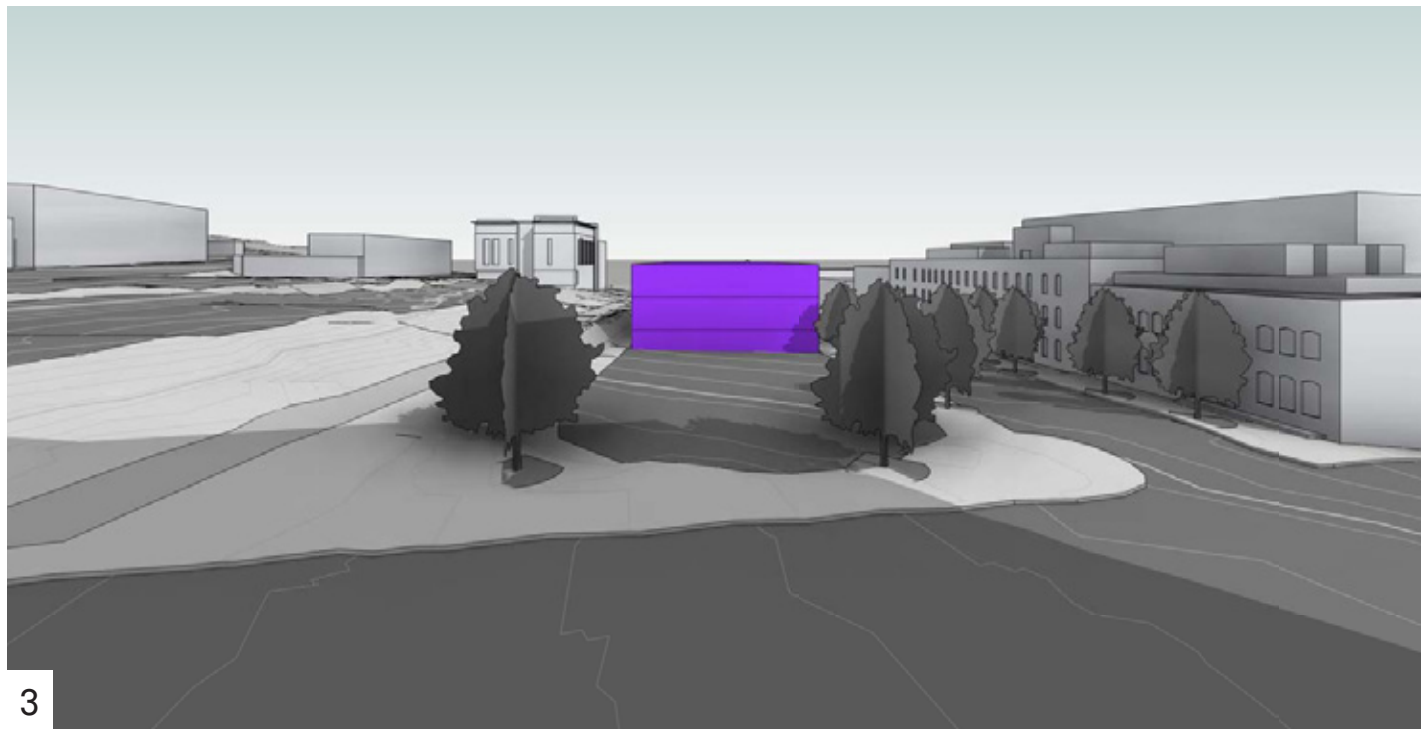
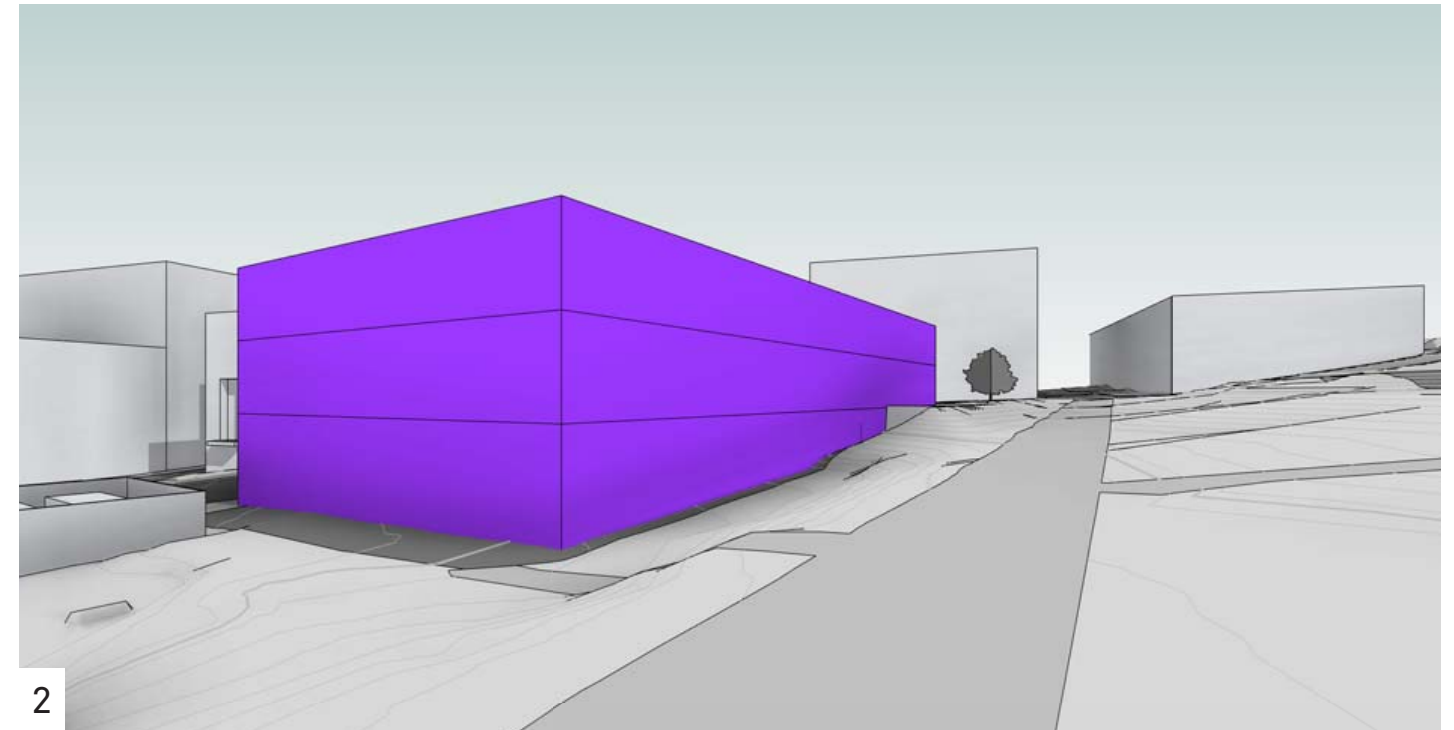
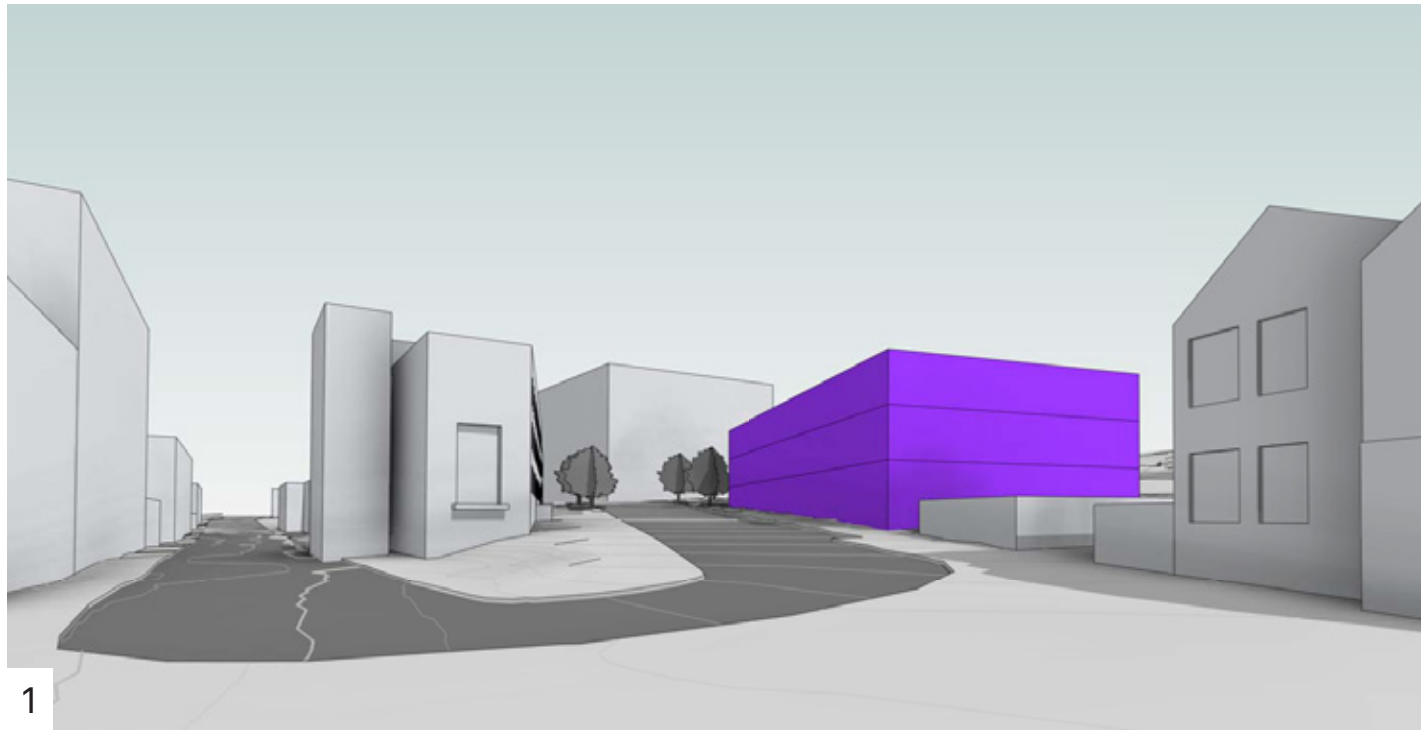
# Massing Studies

Option A: 3 Stories



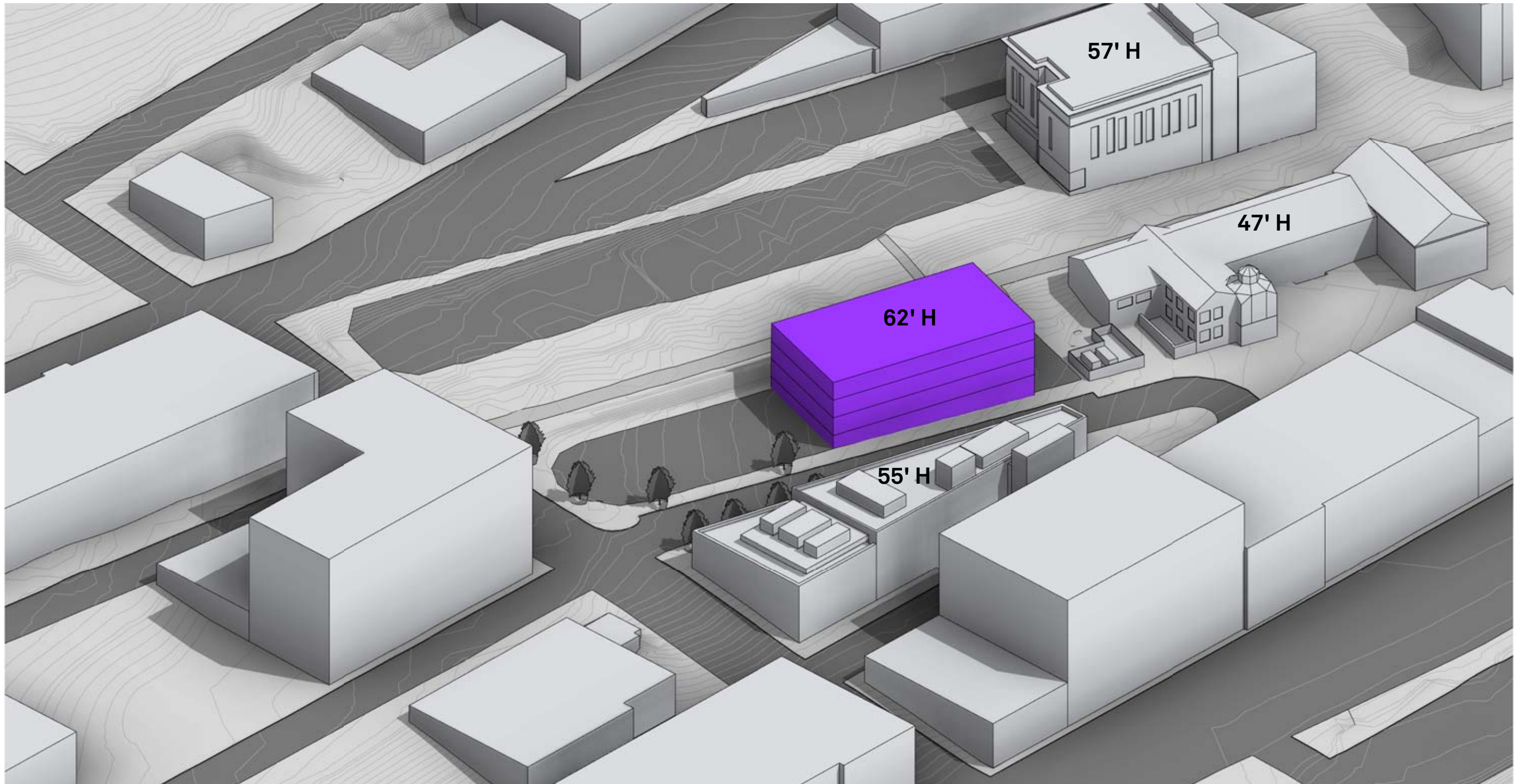
# Massing Studies

## Option A: 3 Stories



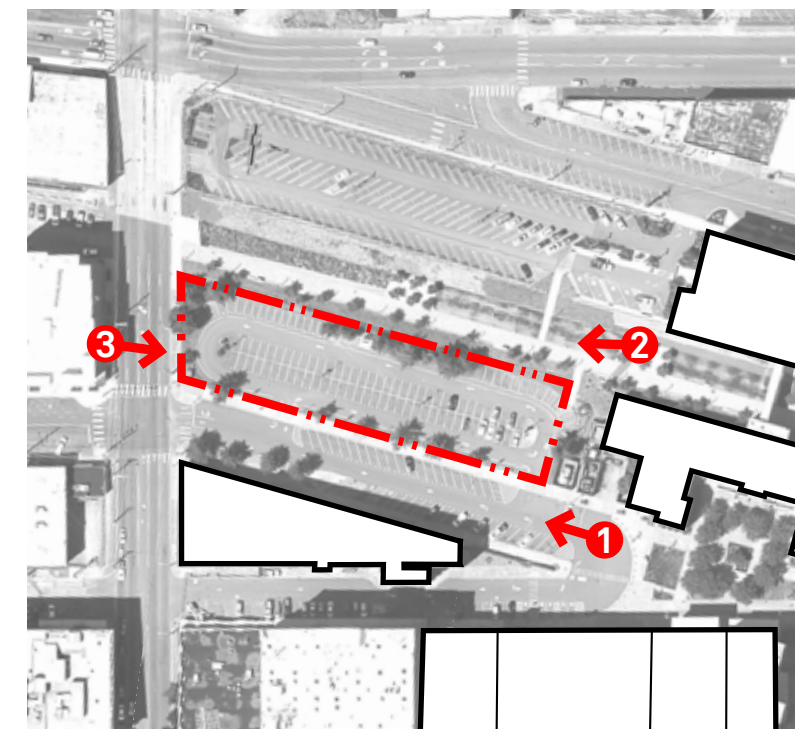
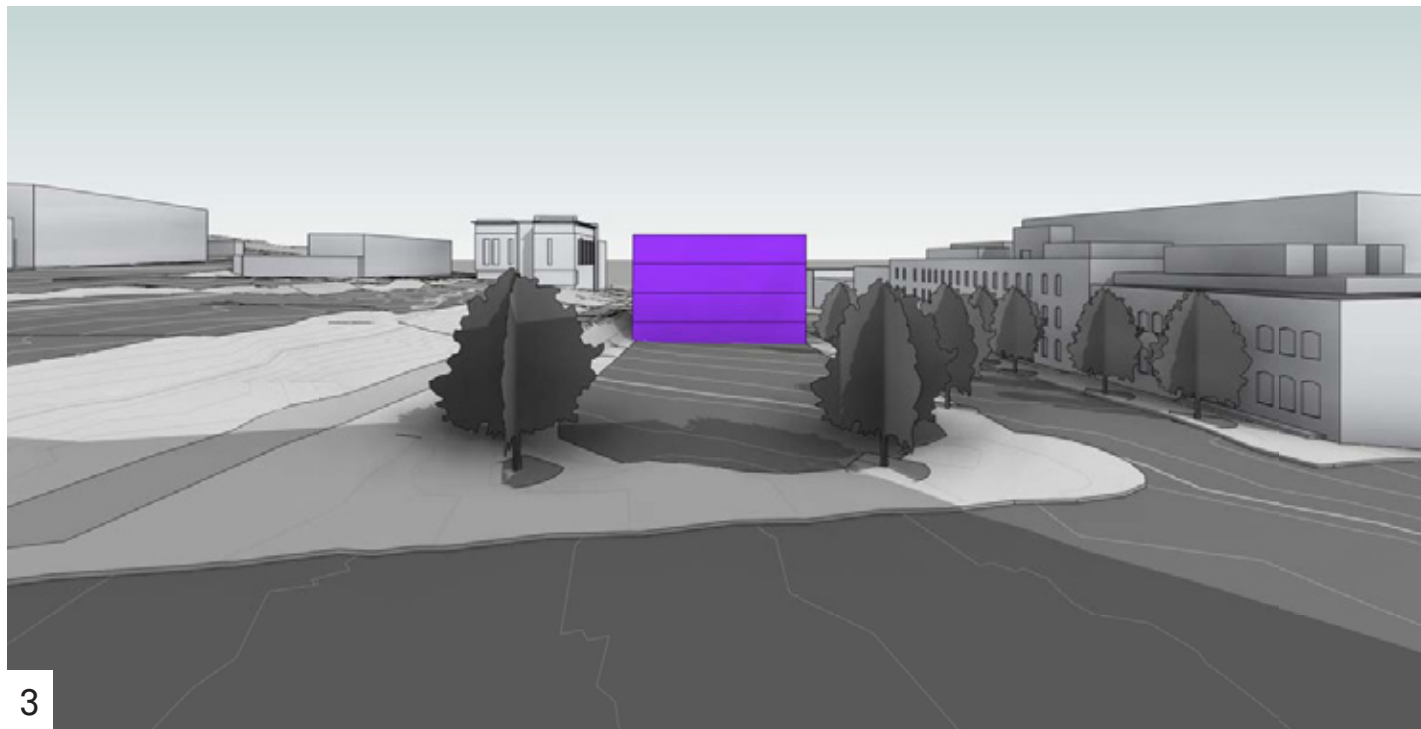
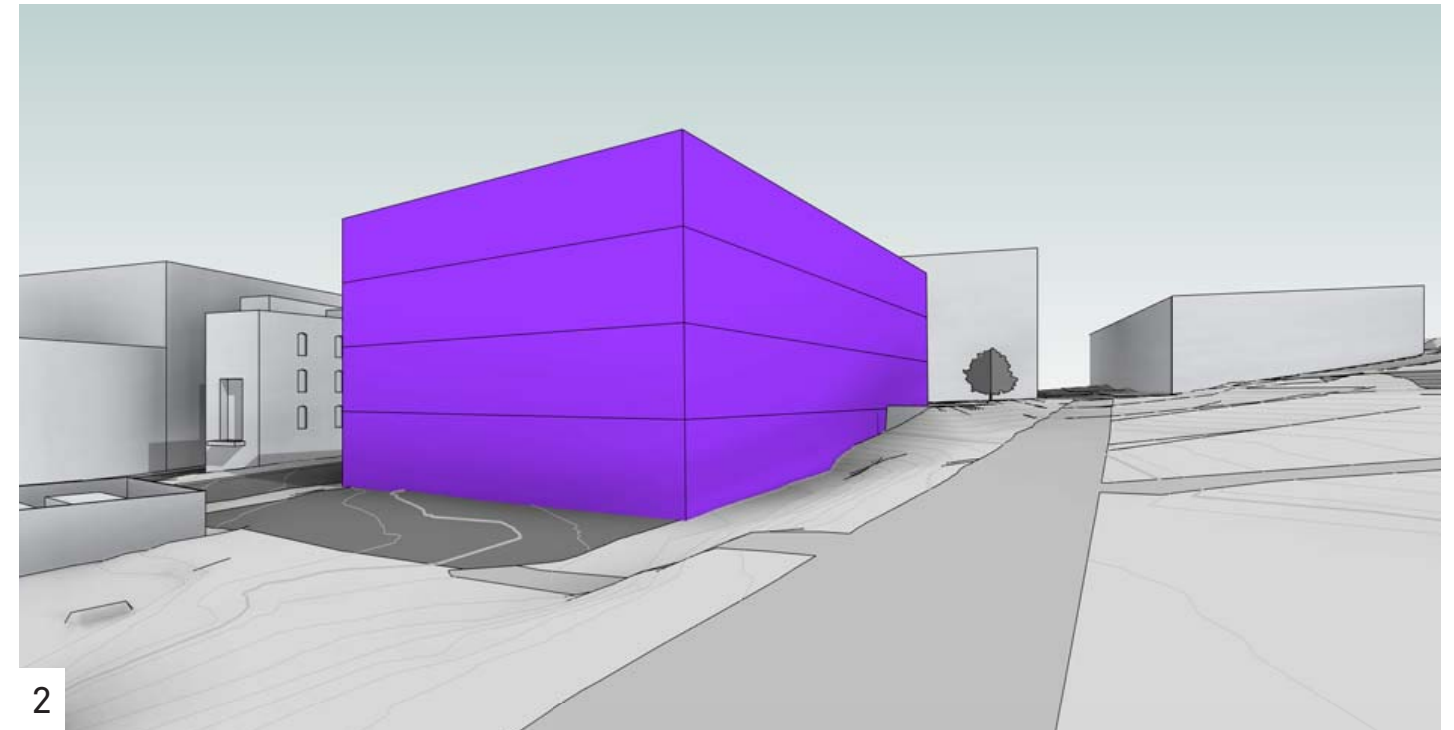
# Massing Studies

Option B: 4 Stories



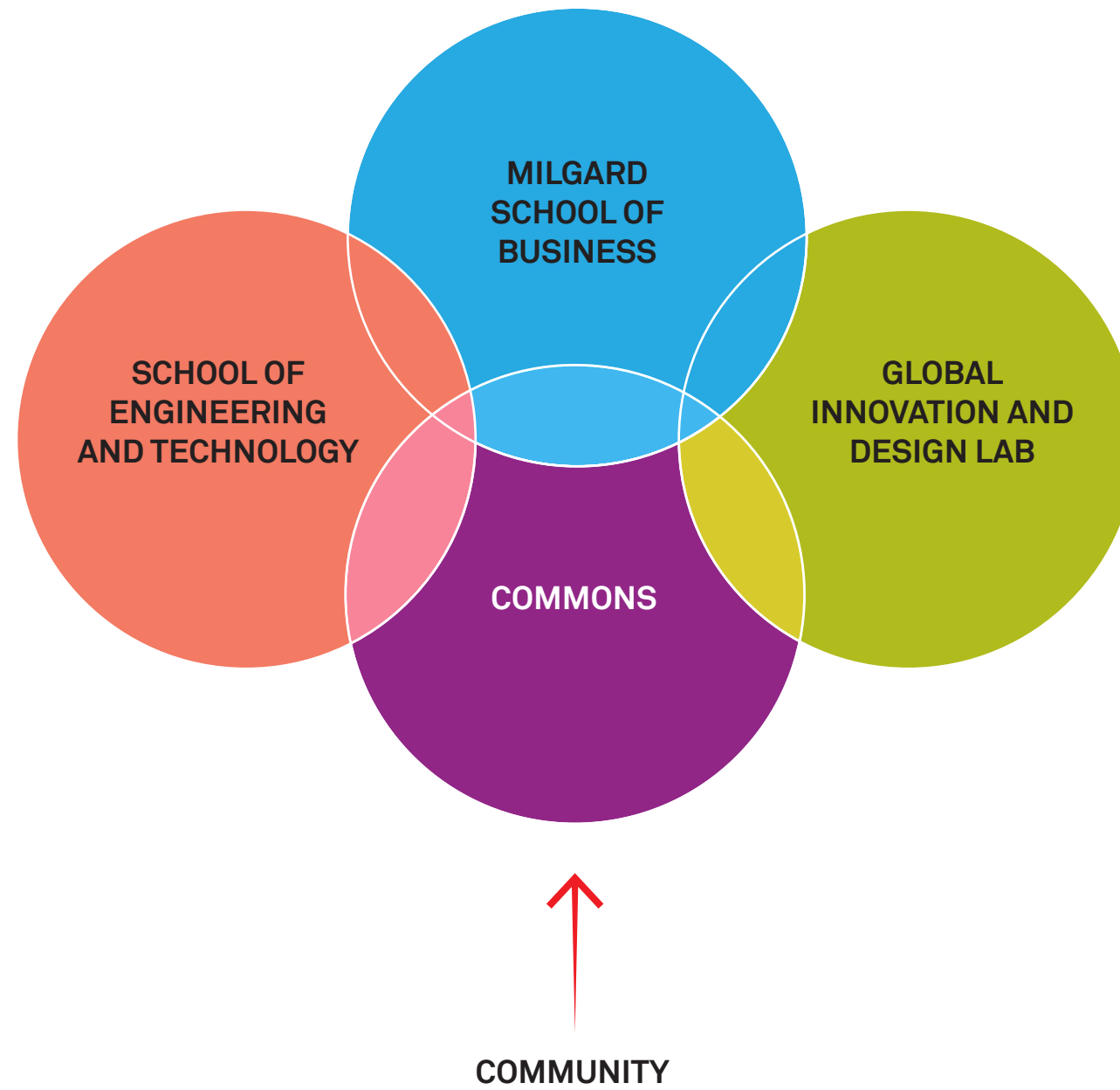
# Massing Studies

## Option B: 4 Stories

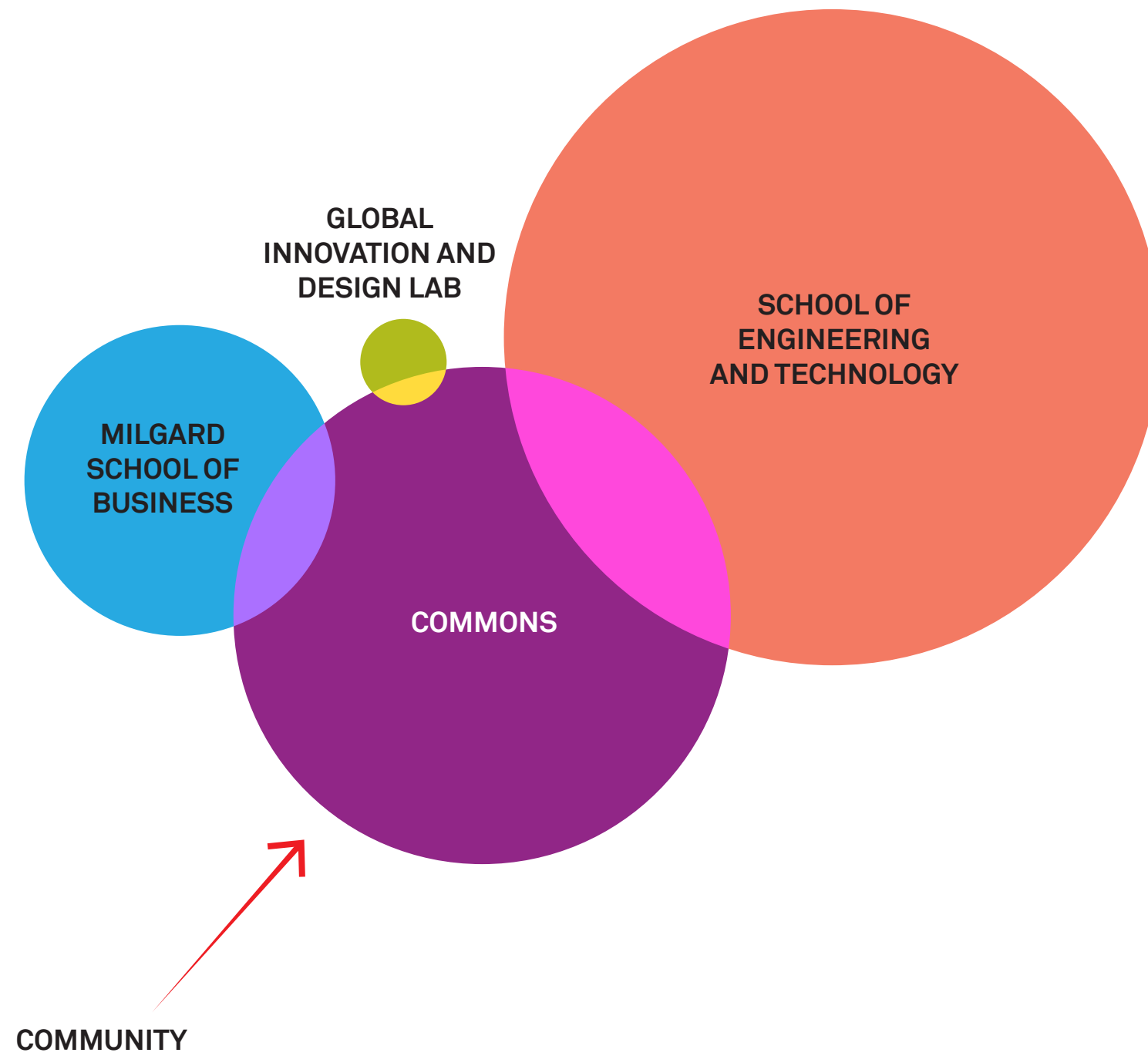


# 4. Program

# Overall Program



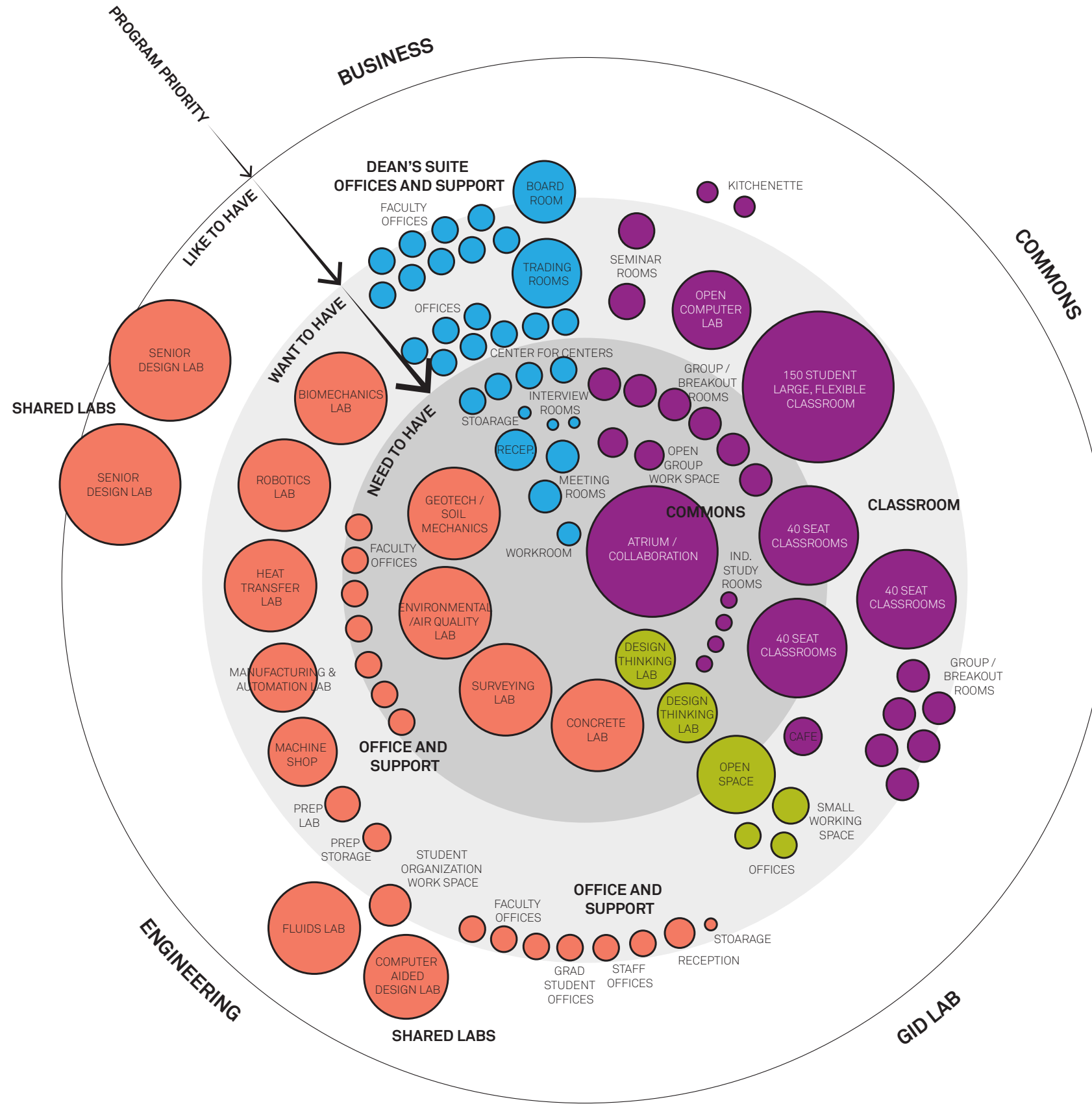
# Program Users





# Program Priority

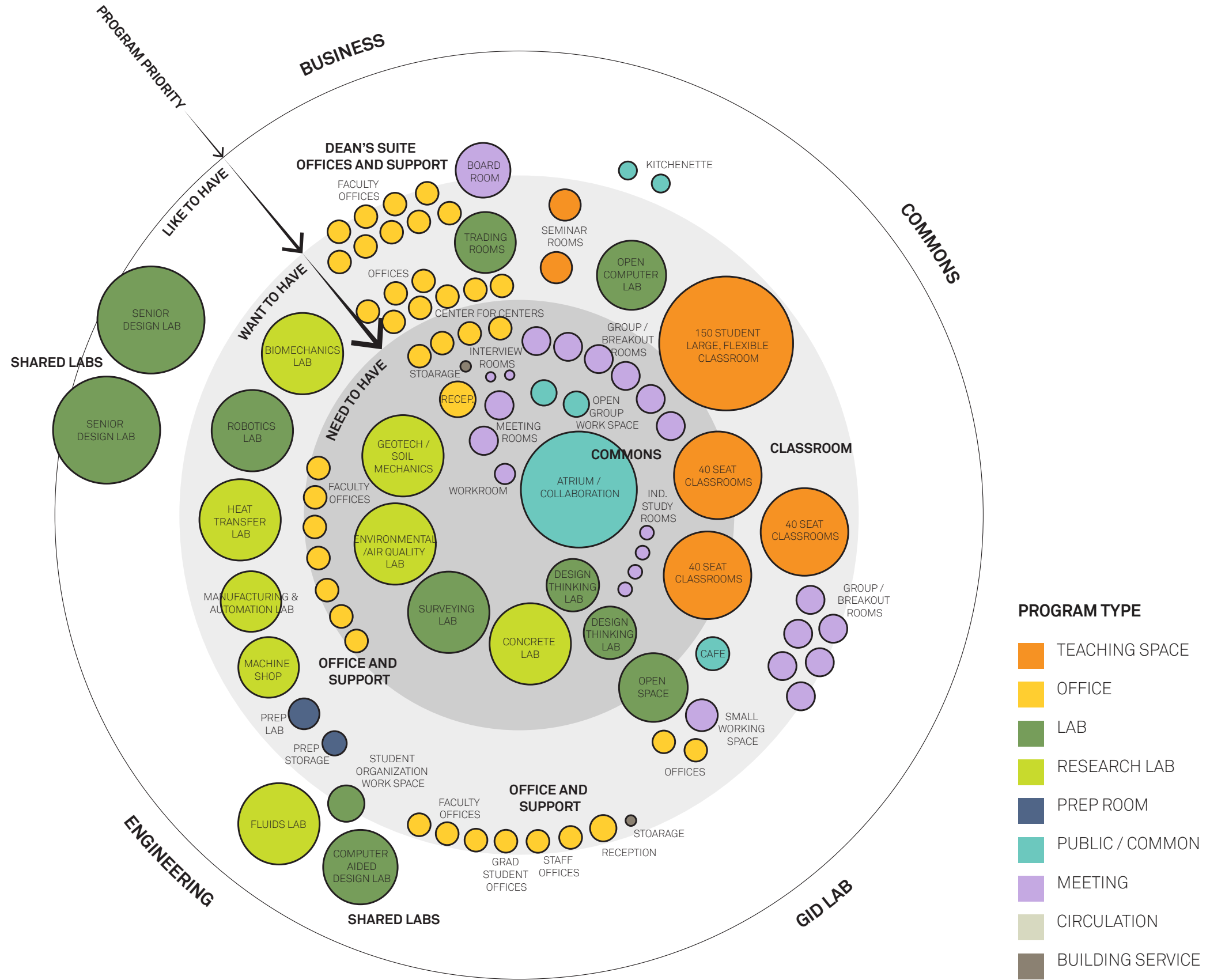
Department



- UWT MILGARD GROUPS**
- COMMON
  - GID LAB
  - MILGARD BUSINESS
  - MECH AND CIVIL ENG.

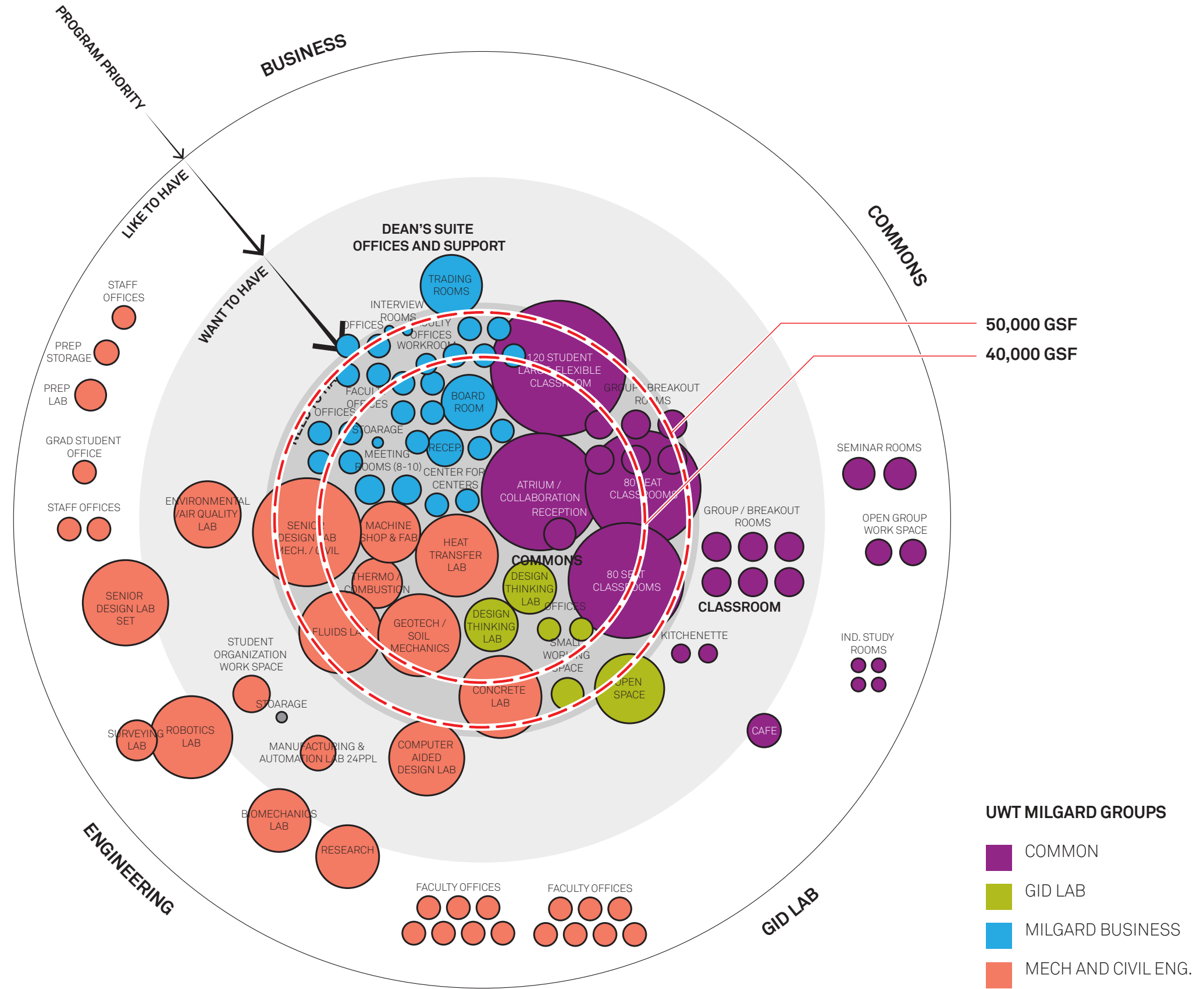
# Program Priority

Program Type



# Program Priority

Department



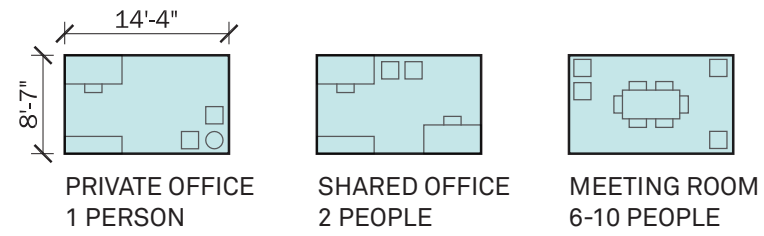


# Program Scale

Offices  
Student Advising Room  
Group Rooms



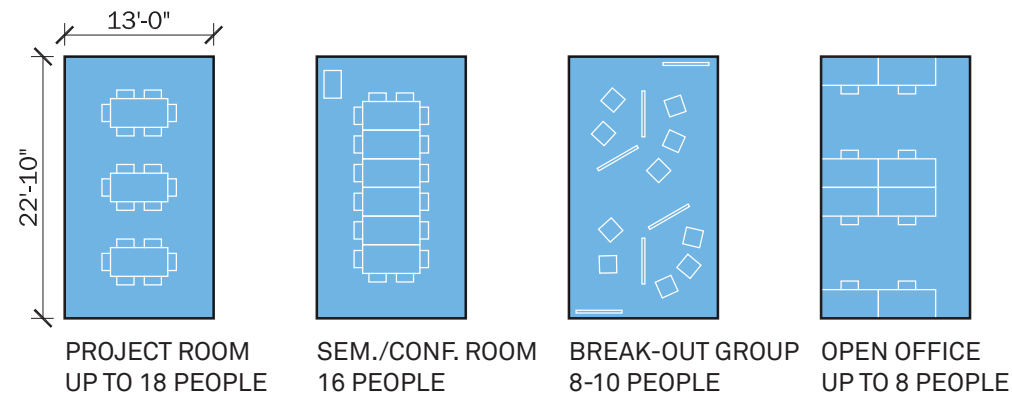
**Small**  
0-200 SF



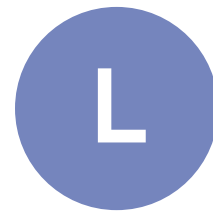
Breakout Rooms  
Conference Rooms  
Open Offices



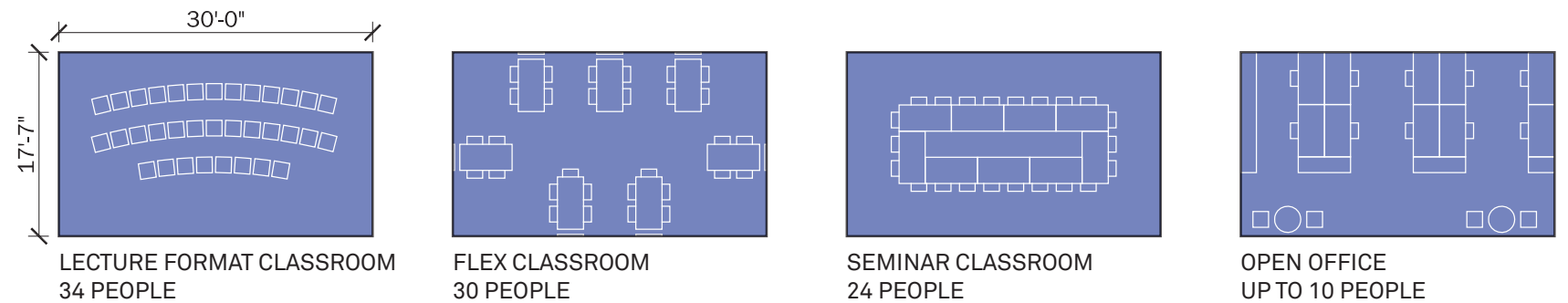
**Medium**  
201-500 SF



Classrooms  
Flexible Labs  
Open Offices



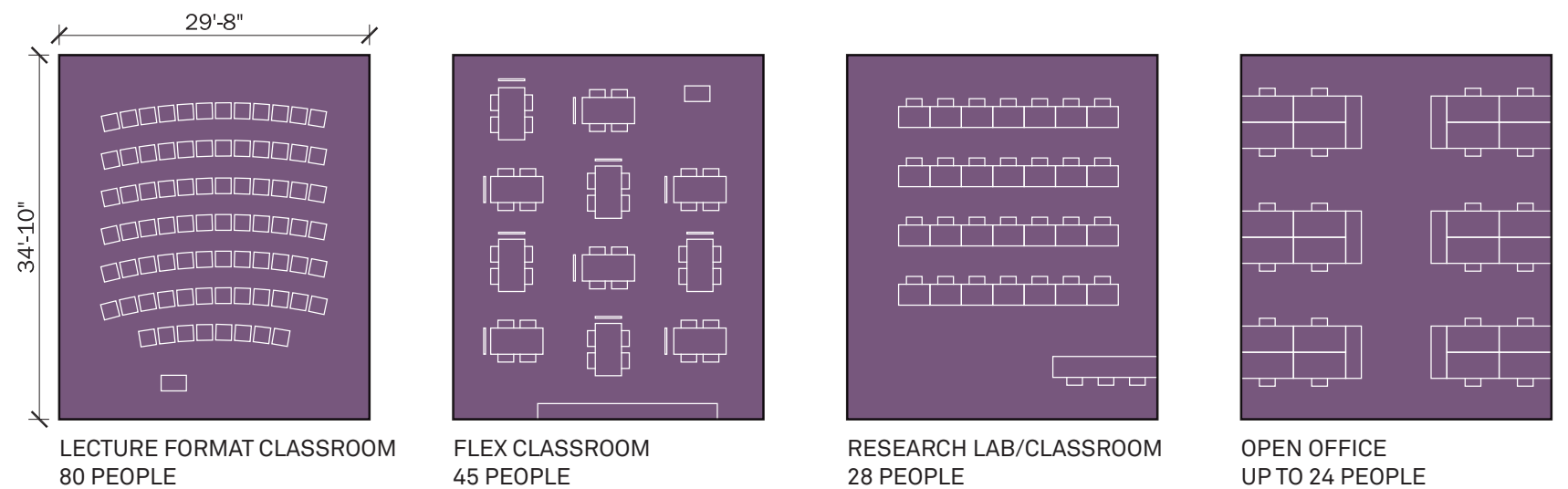
**Large**  
501-800 SF



80-Seat Classrooms  
120-Seat Classroom  
Specialized Labs  
Flexible Labs



**Extra-Large**  
801+ SF



# 5. Process

## Team Update

After an extensive RFP and interview process, the following design consultants have been added to the project team:

**Structural Engineer:** KPFF

**Mechanical/Plumbing, Electrical Engineer:** PAE

**Civil Engineer:** AHBL

**Code Consultant:** Code Unlimited

## Next Steps:

### Design Consultants Round 2

**Disciplines:** Sustainability, Landscape, Envelope, Acoustical, Lab Consultant, Lighting

**Status:** selected firms to be awarded in August

### Trade Partners Round 1

**Trades:** Mechanical/Plumbing, Electrical

**Status:** selected contractors to be awarded summer





# Process

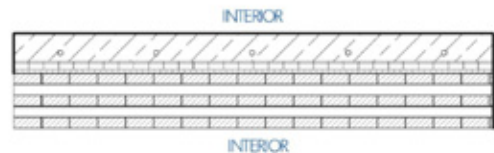
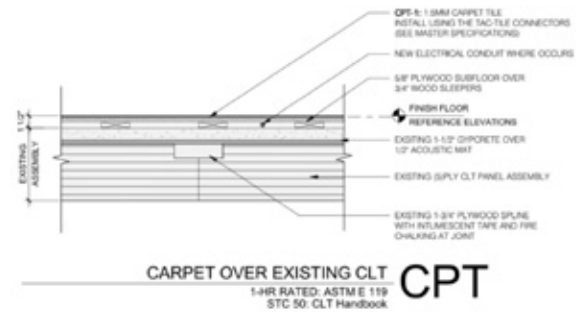
## Team Collaboration and Digital Big Rooms

Timber Workshops:



5. Optimal Details

1. Column to Column and Beam to Column
2. Joist to beam
3. Framing and Deck to Core
4. CLT to core and beams



Acoustic Performance - Floor assemblies

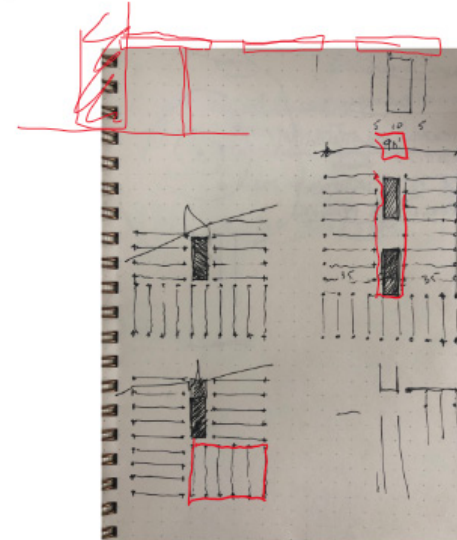
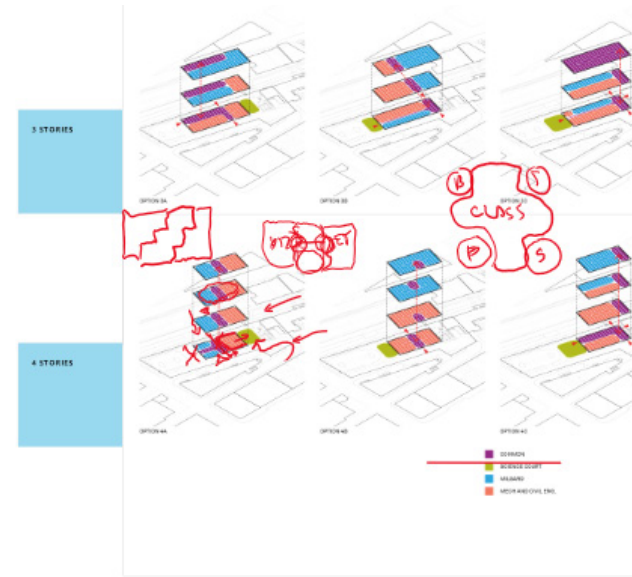
CONTINUOUS INSULATION  
FRR-1 HR  
PER 3 1/2" THICK  
CONCRETE  
SLAB; CLT ALSO  
HAS 1-HR FRR

### FLOOR TYPICAL

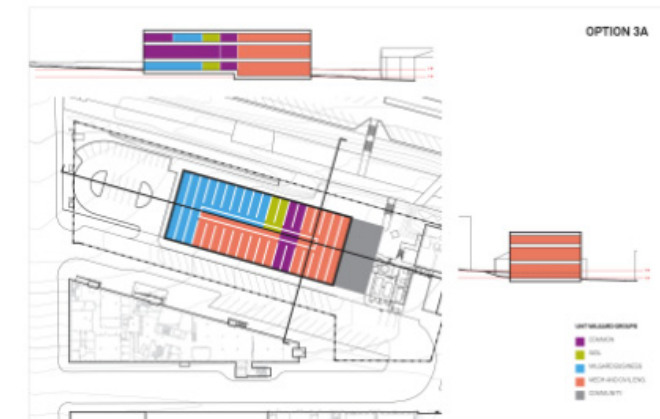
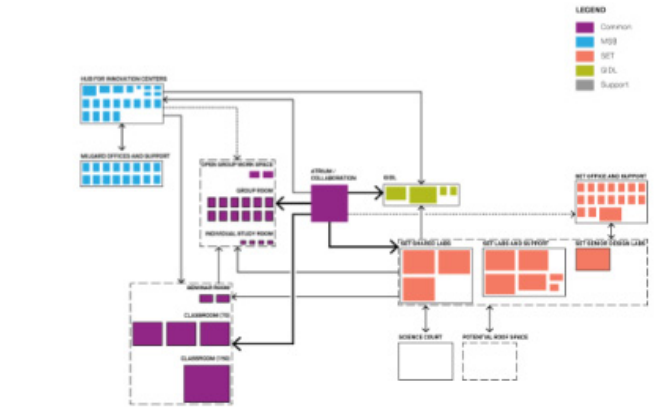
- FLOOR FINISH REFER TO FLOOR PLAN
- CONCRETE SLABS AS PER STRUCTURAL
- IN FLOOR RADIANT SYSTEM
- 1/2" THERMAL INSULATION
- 5/8" ACOUSTIC UNDERLAYMENT AU-1
- 1 1/2" CLEAR FROM HBV CONNECTORS AT BEAM LOCATION
- CLT PANELS AND PLYWOOD AT GAPS AS PER STRUCTURAL
- CEILING FINISH ON CLT PANEL WDC 1 UNO
- CEILING FINISH AT GAP REFER TO RCP



Digital Whiteboard:



PROGRAM DISTRIBUTION STUDIES



# Site Visits: Commercial Mass Timber projects Portland, OR

## 1. Sideyard by Skylab

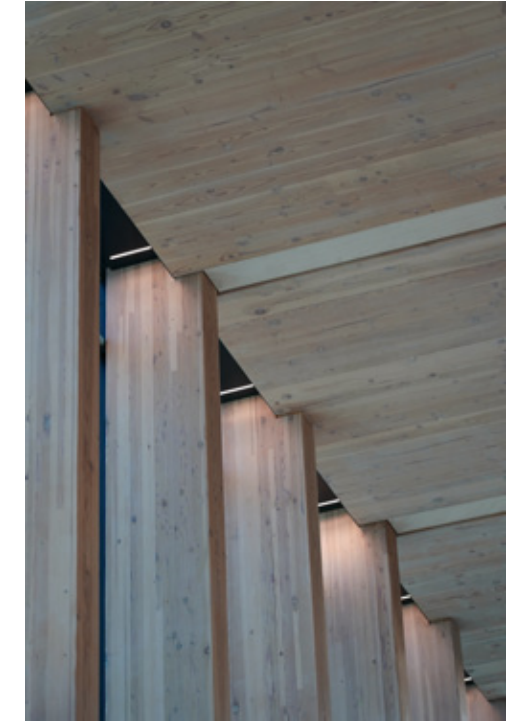


## 2. District Office by Hacker Architects

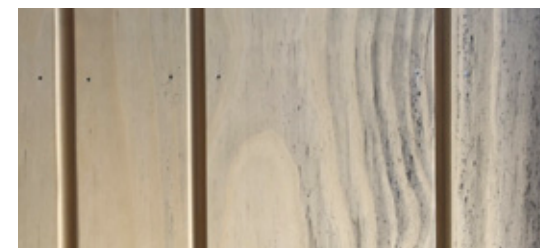


# Site Visits: Academic Mass Timber projects Oregon State University

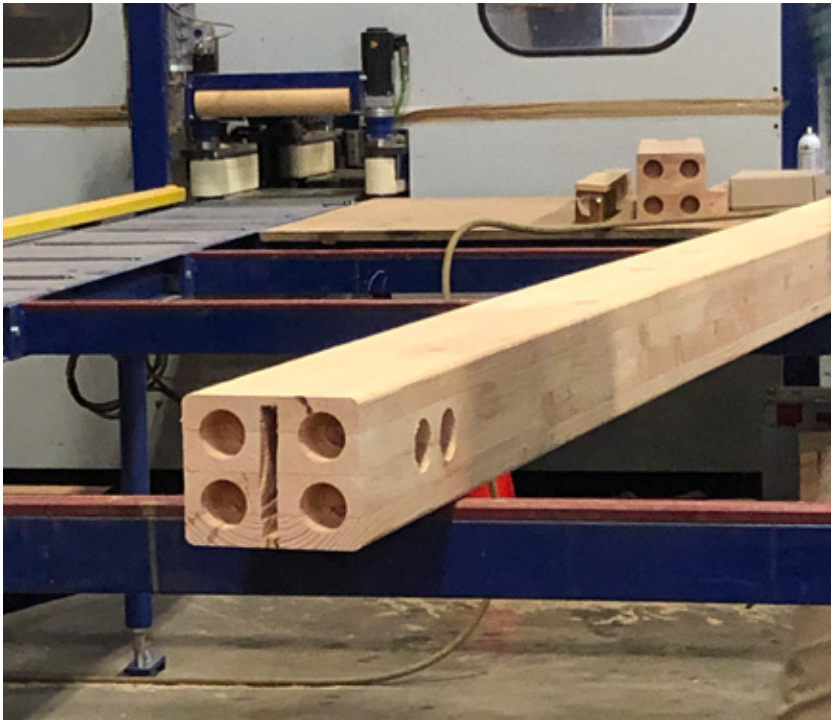
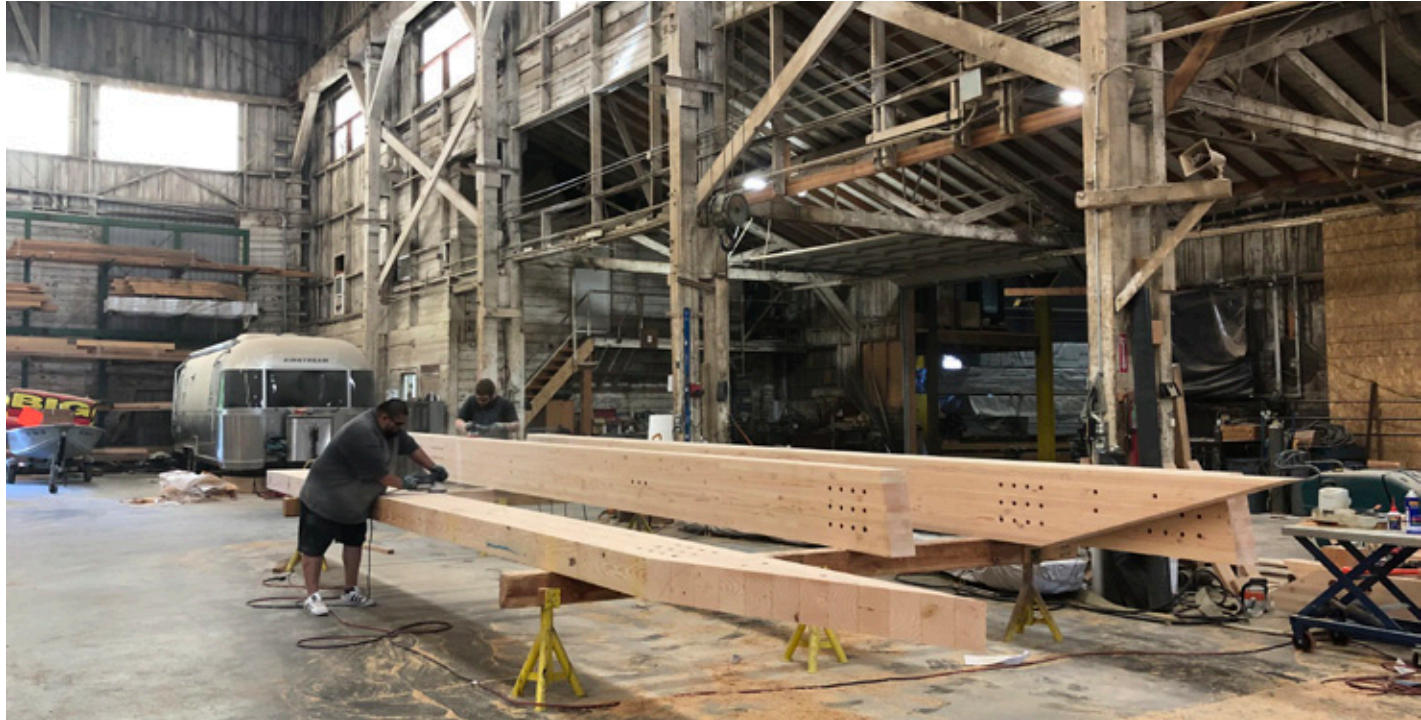
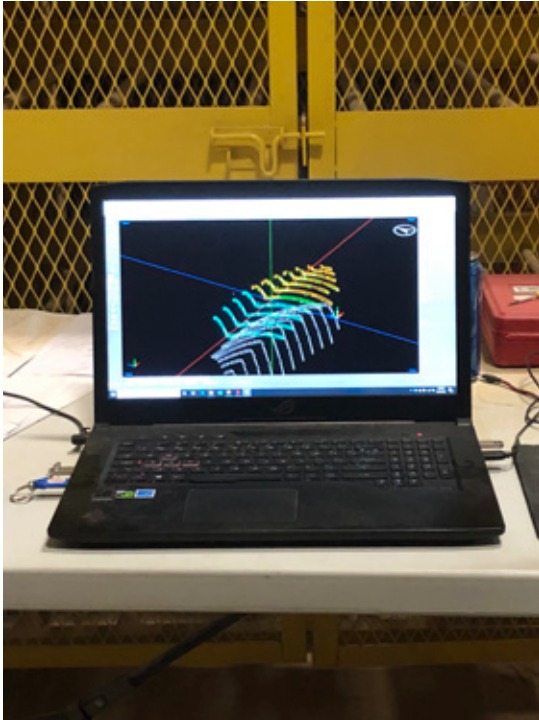
1. Peavy Hall by Michael Green Architecture



2. Emmerson Advanced Wood Products Lab by Michael Green Architecture



# Site Visits: CutMyTimber Mass Timber Processing in Portland, OR



# Site Visits: Academic Classroom projects Oregon State University

1. Austin School of Business by Hacker Architects



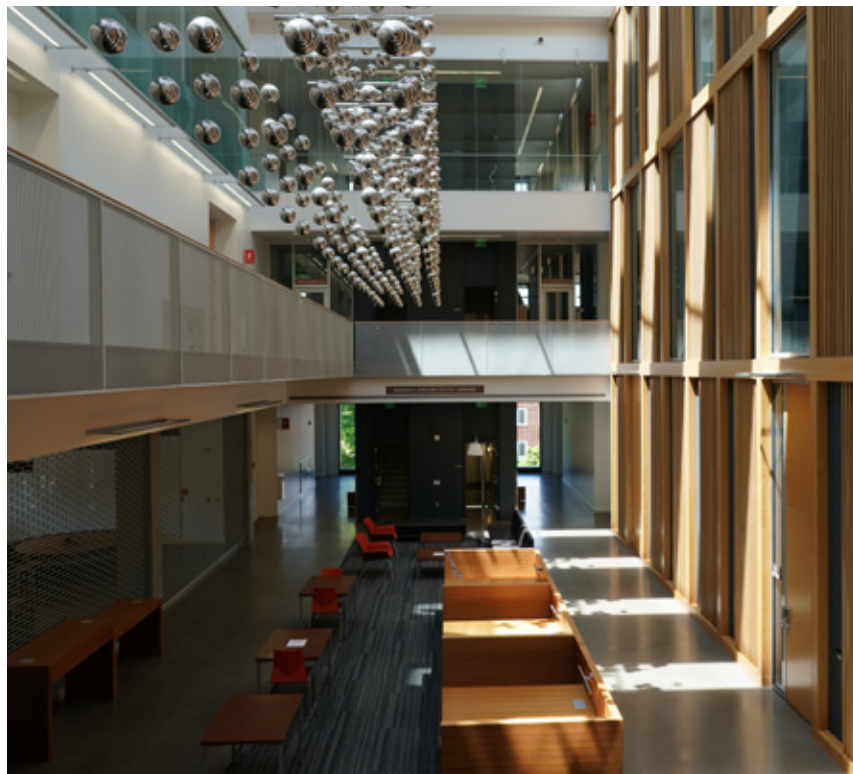
2. Learning Innovation Center by BORA



588 Seats



395 Seats



174 Seats



225 Seats

# Thank you.