



University of Colorado Boulder

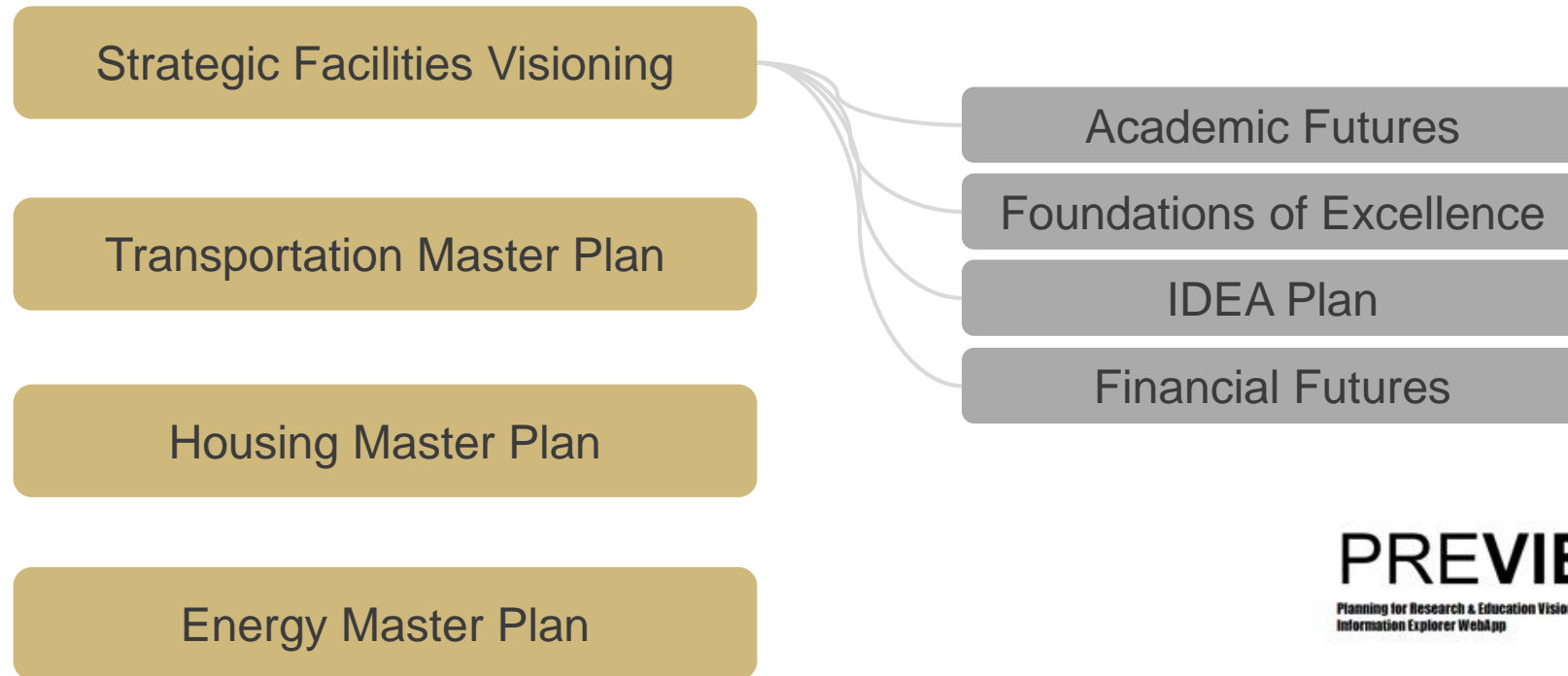
DRB Presentation
February 17, 2021



SASAKI

Integration of Previous Studies + Guidance

The CMP is, essentially, Phase 2 of the broader Strategic Facilities Visioning process. The CMP presents an opportunity to build upon and translate previous studies into the physical environment.



PREVIEW

Planning for Research & Education Visioning
Information Explorer WebApp



CMP Project Goals

Goal #1: Create a long term facilities development plan that integrates the findings of recent campus initiatives

Goal #2: Maintain the existing context of buildings and landscape that define the campus character, and determine outdoor spaces and buildings of merit that shall be preserved.

Goal #3: Identify campus areas for opportunity and improvement with a focus toward addressing deferred maintenance and renewal.

Goal #4: Reassess and ensure that the physical space at the university is resilient, especially in light of COVID-19, and it is managed, developed, and improved to meet the current and future academic and research priorities.

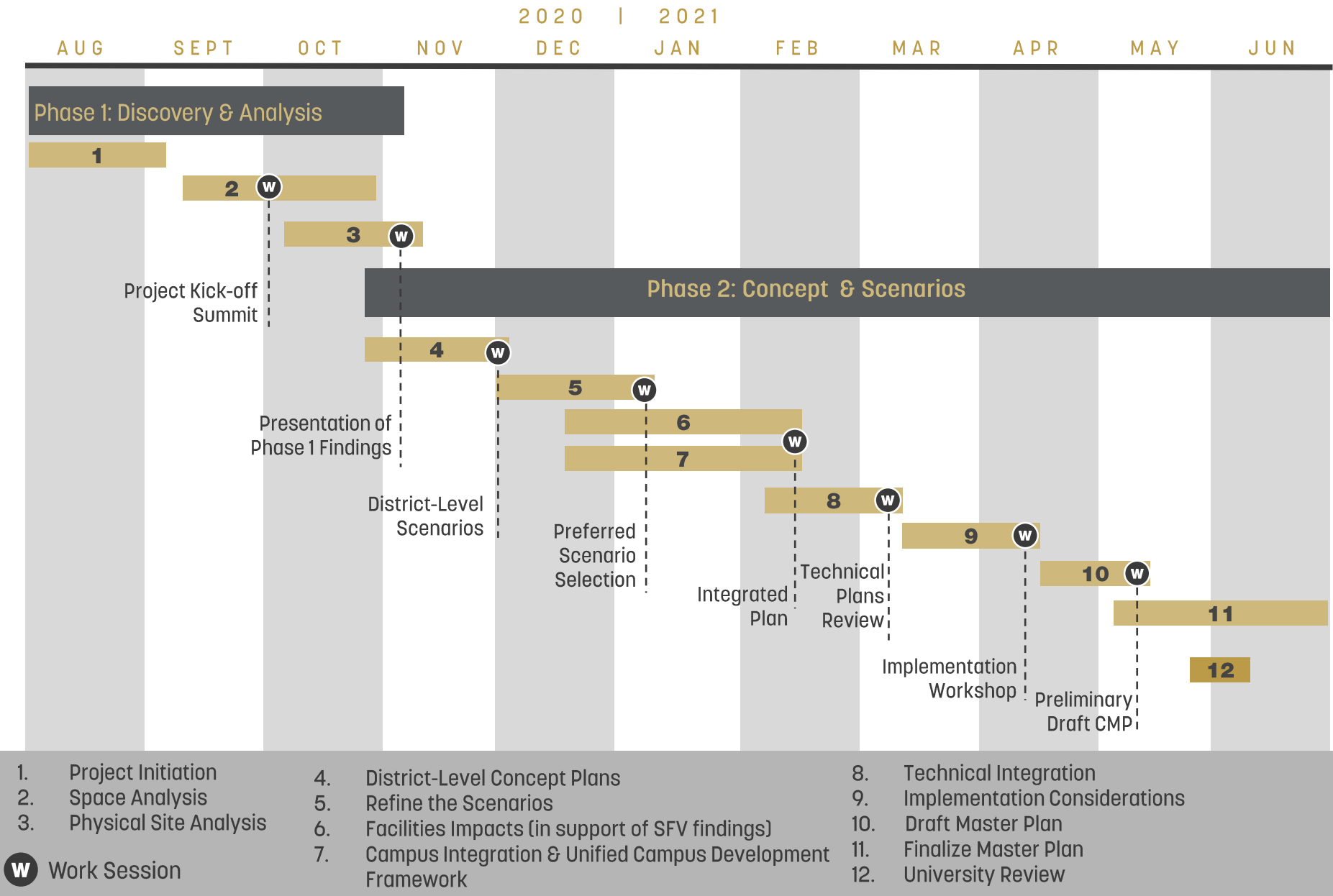
Goal #5: Facilitate a collaborative process with students, faculty, and staff that is mindful of limited resources, focuses on attainable solutions, and manifests physical spaces that emphasize the campus' culture of equity and inclusion.

Agenda

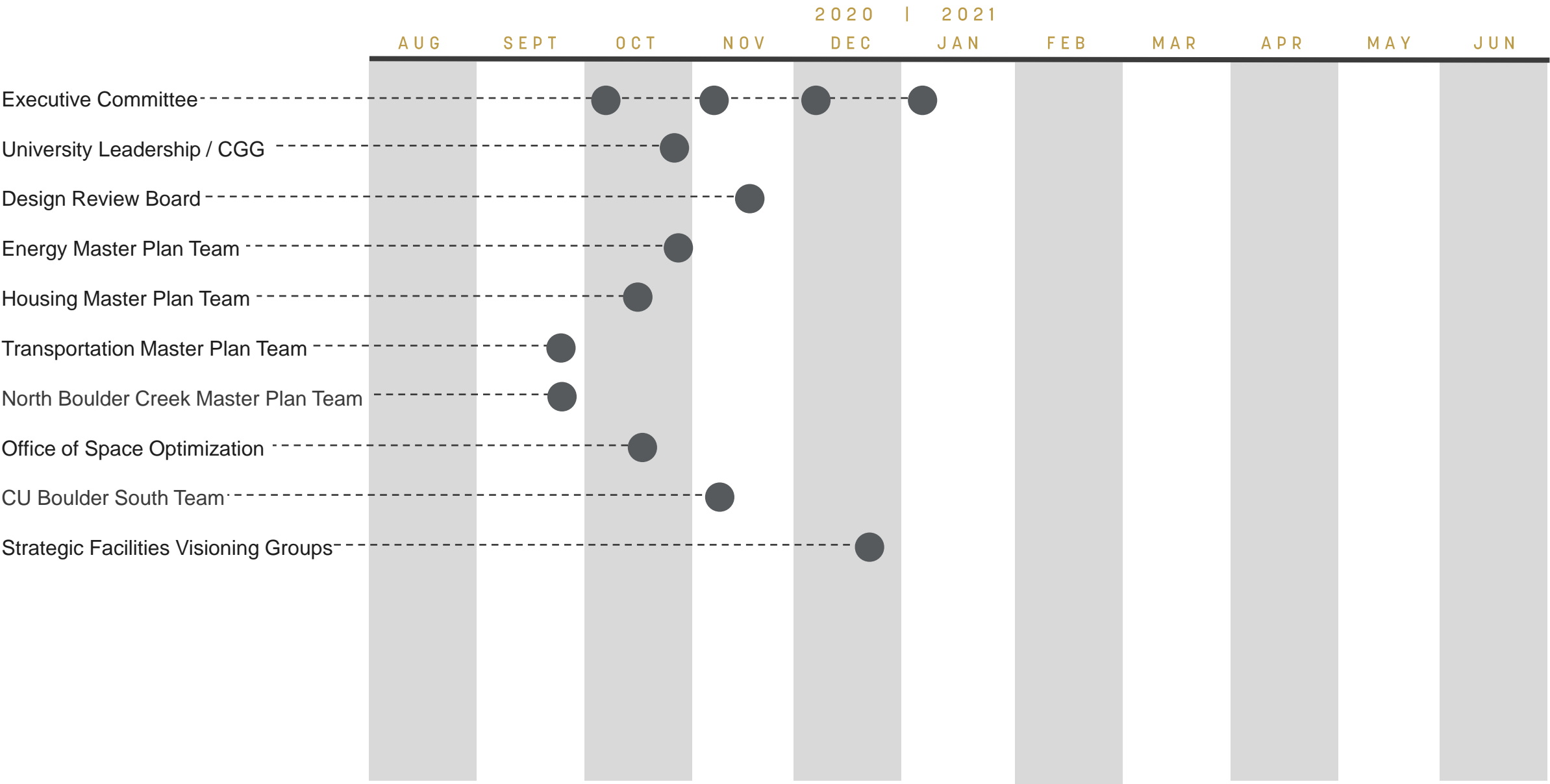
1. Outreach Summary
2. MyCampus survey results
3. Campus Frameworks
 - Main Campus
 - North of Boulder Creek
 - Williams Village
 - East Campus

1 Outreach

Project Schedule & Engagements

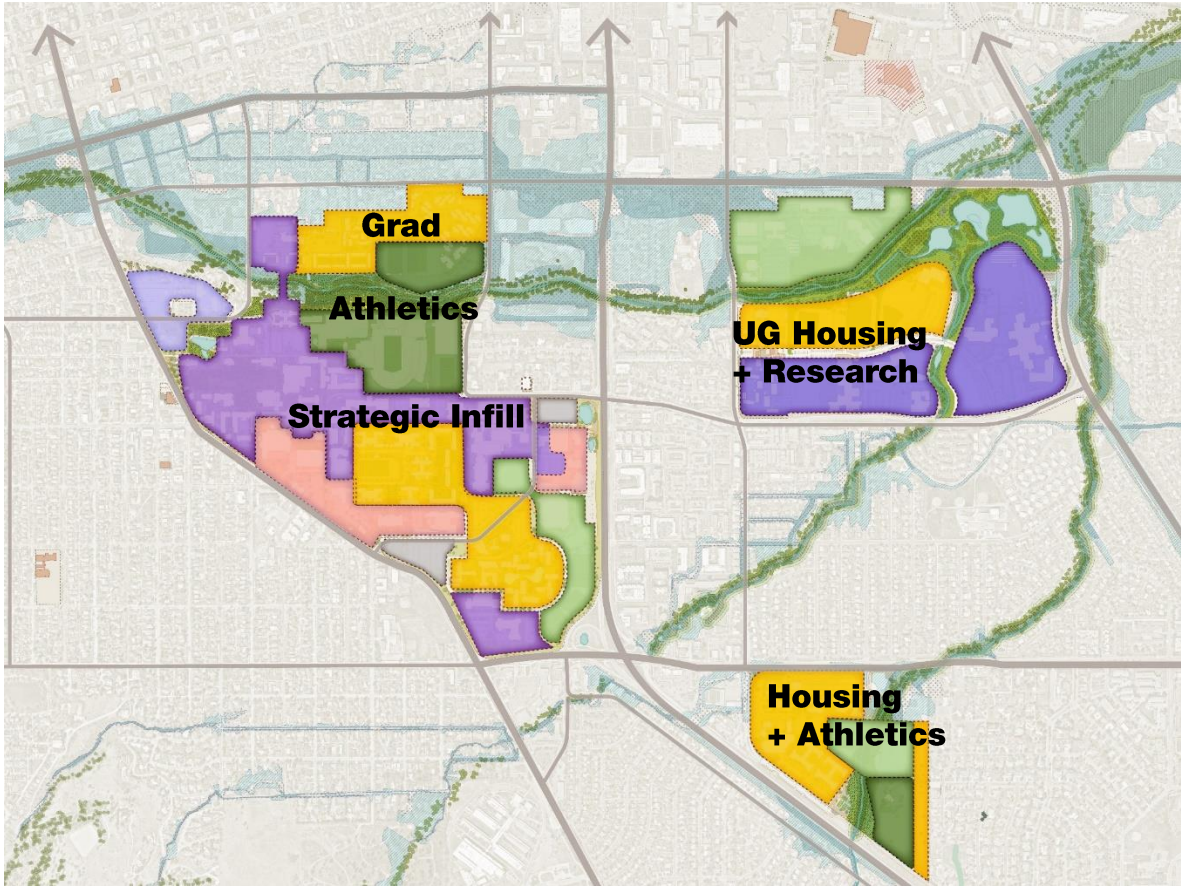


Summary of Outreach

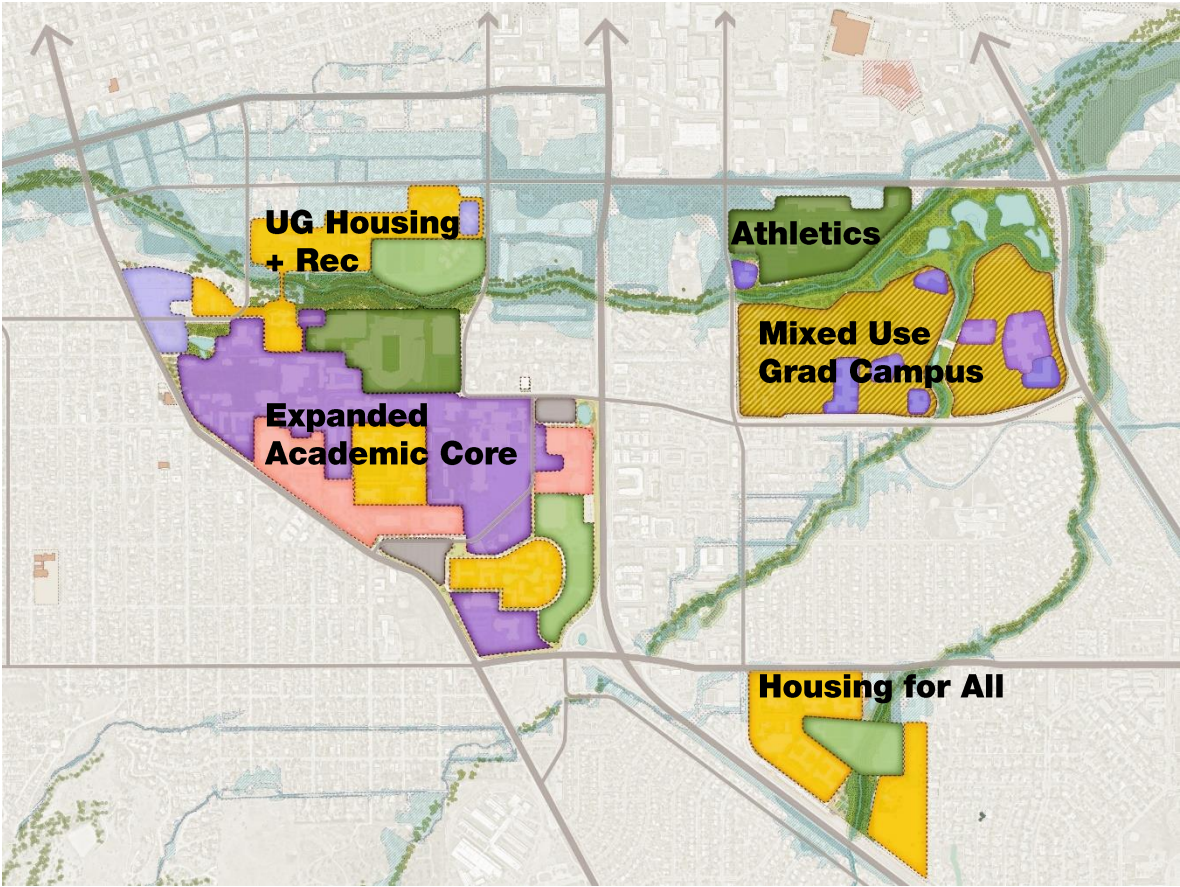


Where We Were: December Engagement

Scenario 1: Reinforce and Extend Existing Districts



Scenario 2: Define the Identity of Each Campus



Feedback from Campus Visionaries

Distribution of Uses Across Campuses

- Each campus should have a mix of uses

Research

- Collaboration spaces for students, faculty, 3rd party partnerships

Other Campus Spaces

- Outdoor spaces that are conducive to teaching & learning

Community Connections

more integration of campus and community and K-12 connections

Academic / Instructional

- Cutting-edge classroom building for cross-disciplinary work

Campus Accessibility and Mobility

- Better connectivity for back & forth travel between main campus, east campus & Will Vill

Student Services and Admin

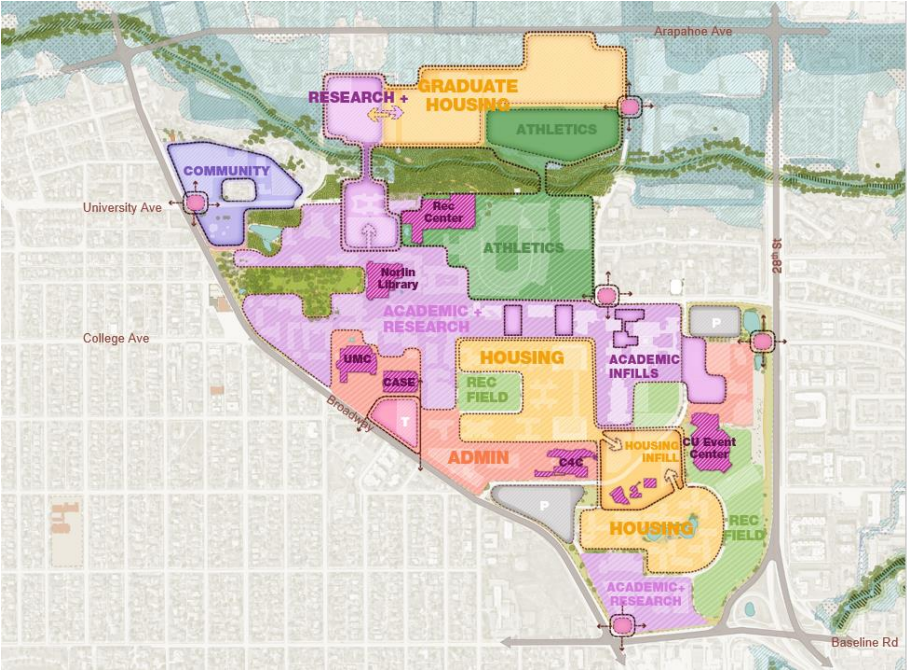
- Need a hub / collocation of student services on each campus
- Take advantage of remote working

Housing

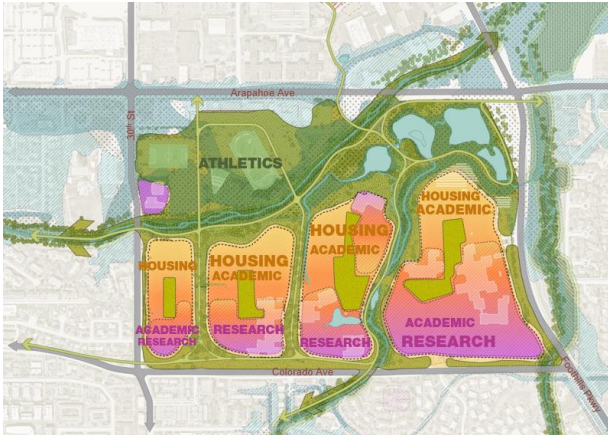
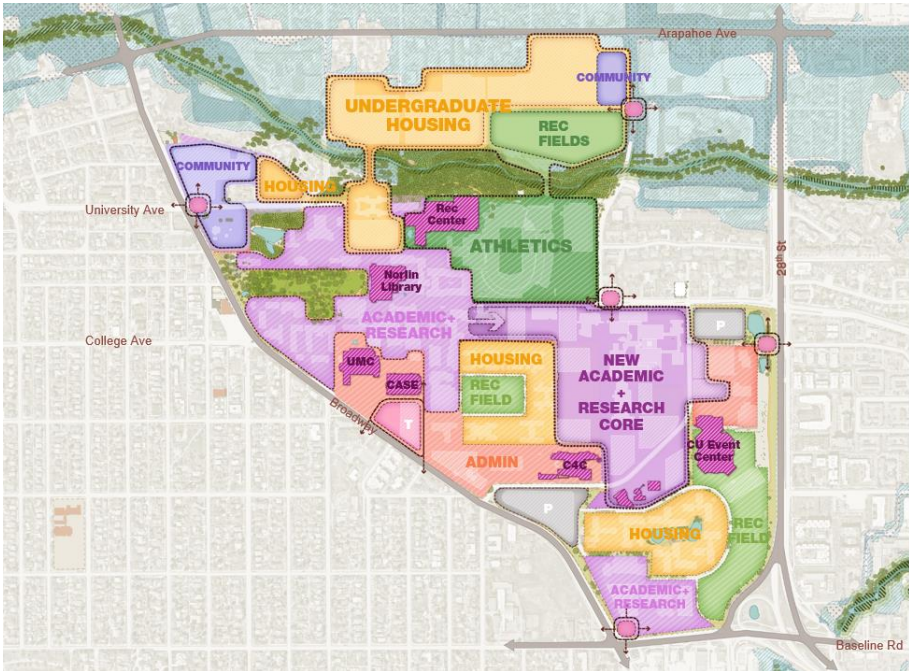
- Living-Learning-Communities and cohort experience
- Mix class years across campuses

Where We Were: January Engagement

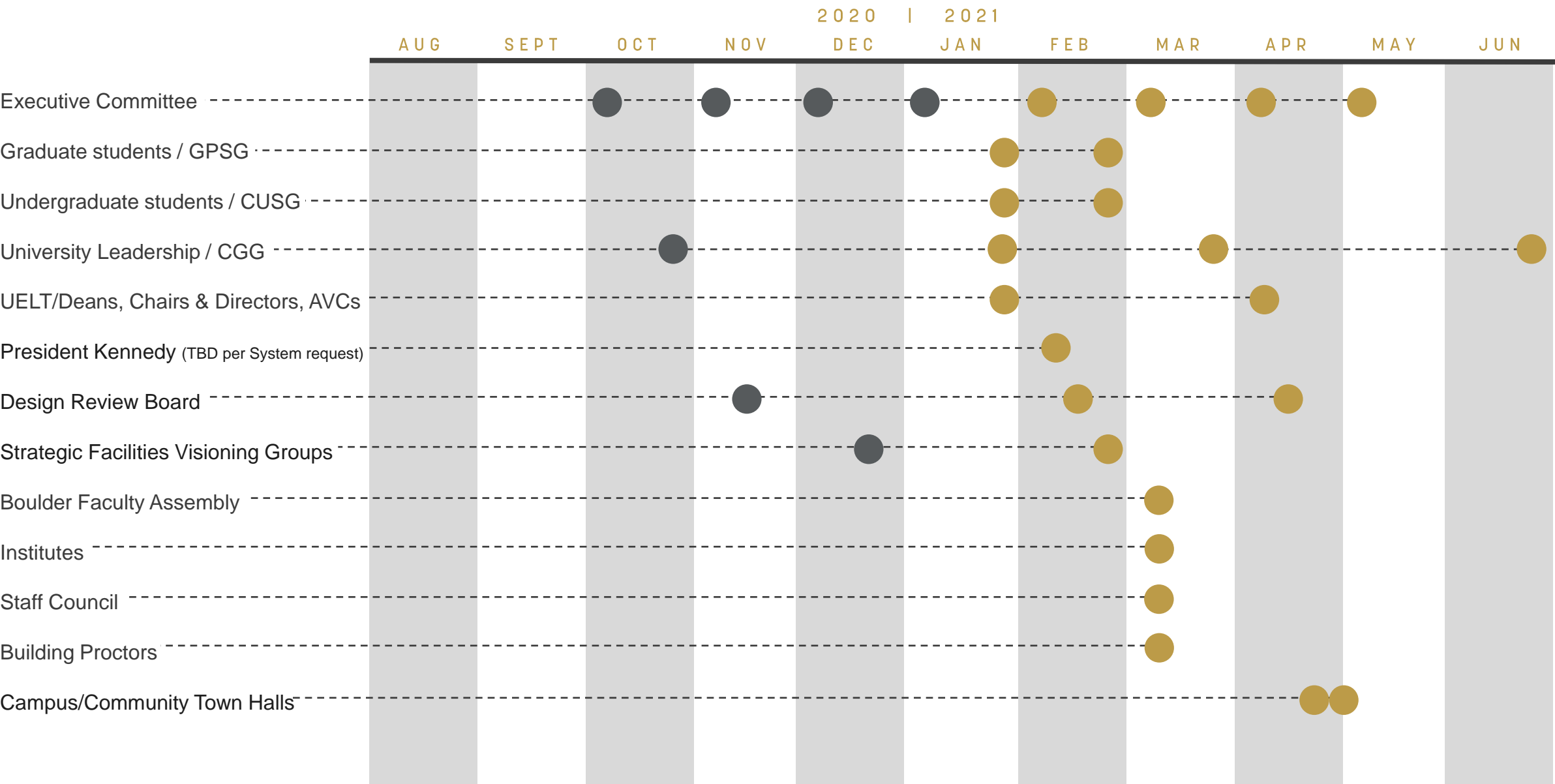
Scenario 1



Scenario 2

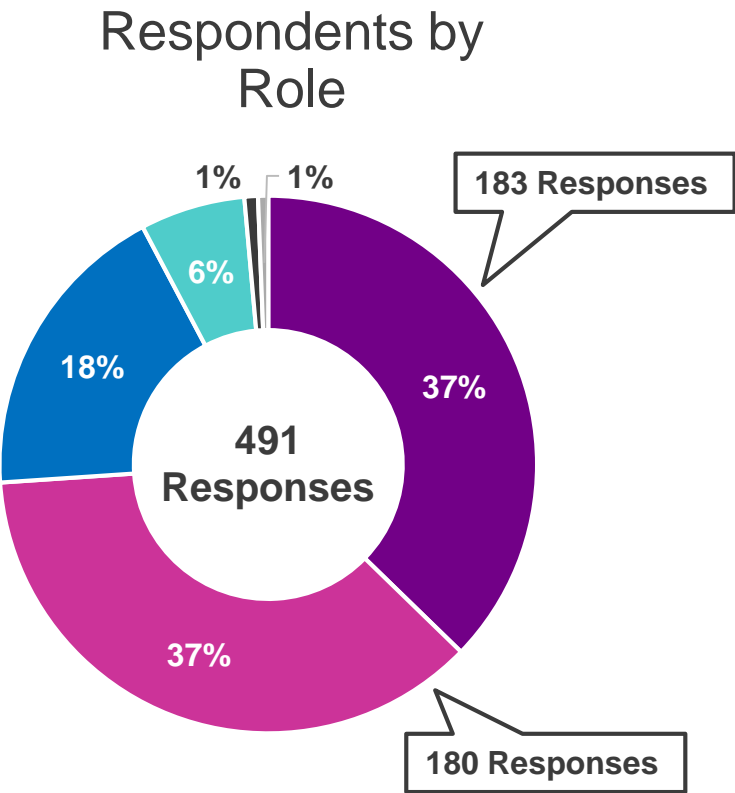


Upcoming Outreach

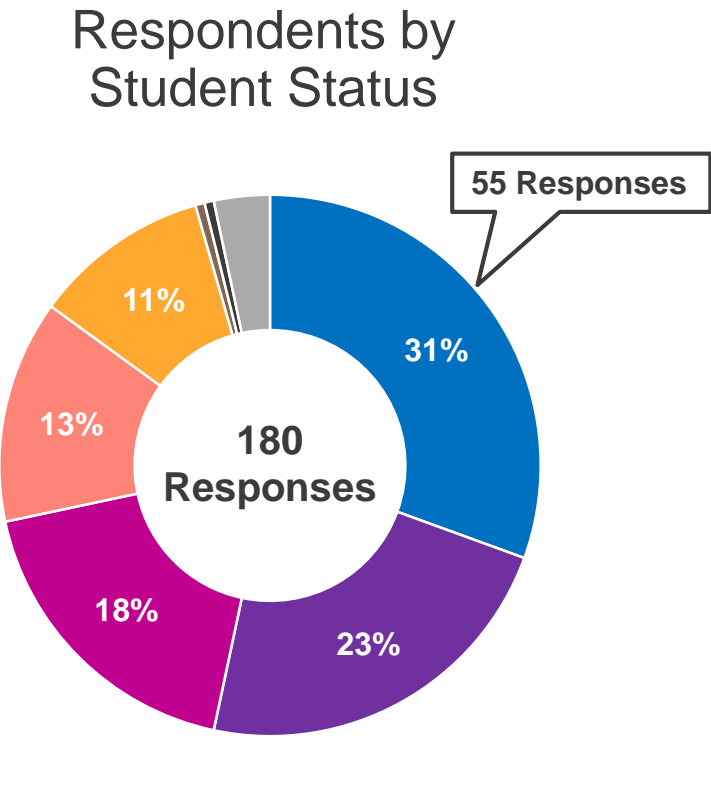


2 MyCampus Survey Summary

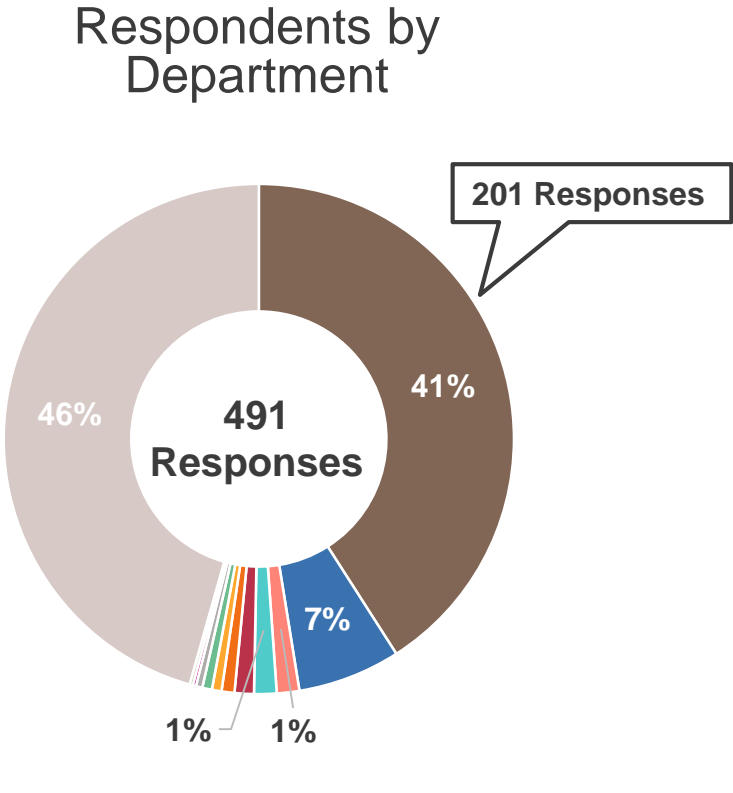
Demographics



- Staff
- Student
- Faculty/Researcher
- Alumni
- Other
- No Response



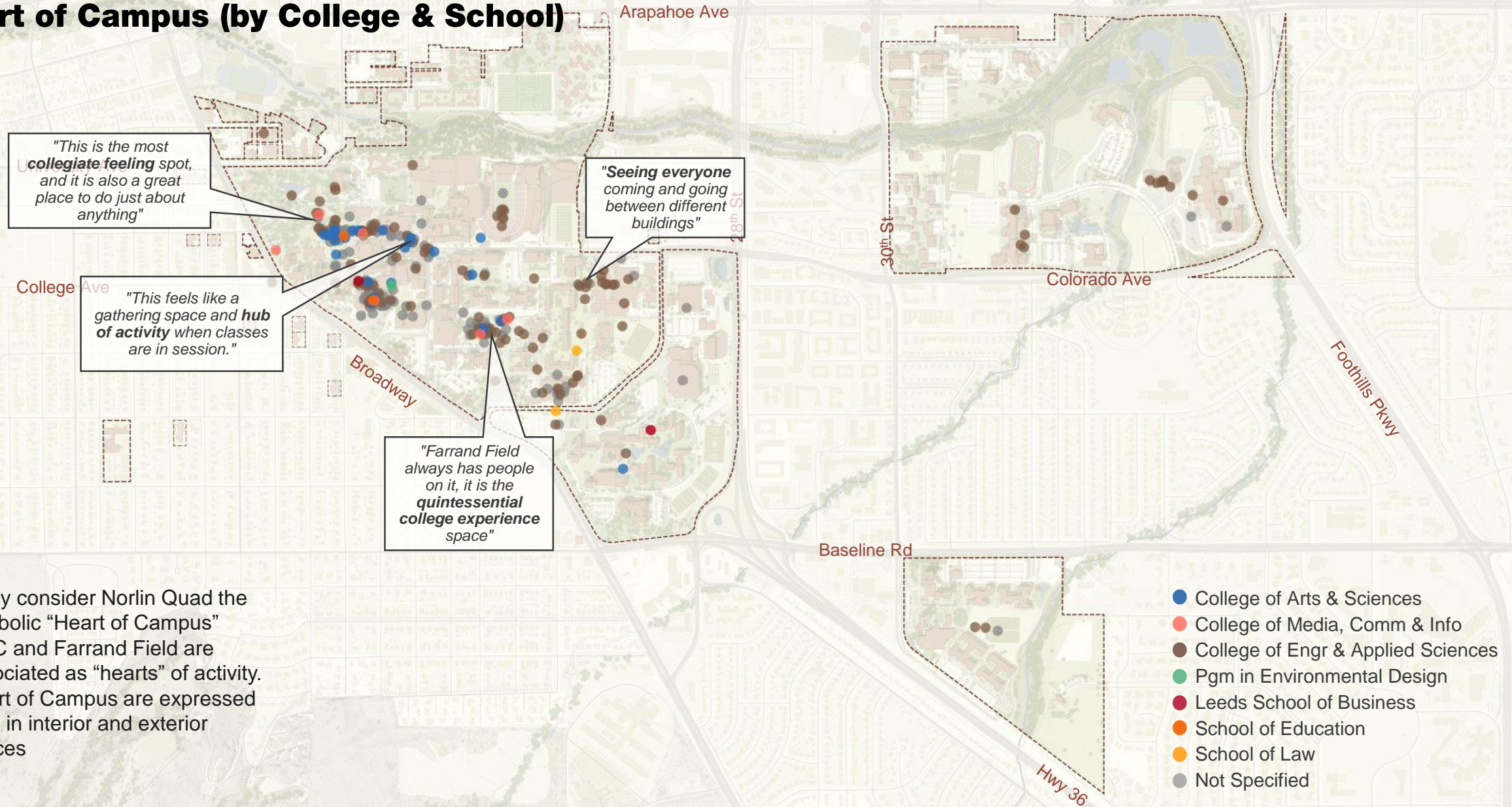
- Graduate
- Junior
- Senior
- Sophomore
- First Year
- Professional
- Other
- Not Specified



- College of Engr & Applied Sciences
- College of Arts & Sciences
- College of Media, Comm & Info
- Research Institutes
- Leeds School of Business
- School of Education
- School of Law
- Pgm in Environmental Design
- University Libraries
- College of Music
- Continuing Education
- Not Specified

Campus Life

Heart of Campus (by College & School)



- Many consider Norlin Quad the symbolic "Heart of Campus"
- UMC and Farrand Field are associated as "hearts" of activity.
- Heart of Campus are expressed both in interior and exterior spaces

Campus Life

Explore & Recreate

- A lot of recreation and exploration happens in the mountain range.
- Exploration on campus happens in the more historic parts of campus and along the Creek
- Recreation happens in the Rec Center, at Farrand and Kittredge Fields, and along the Creek.

"Beautiful old part of campus...I like to walk around Varsity Pond when I have a chance"

"top notch rec center"

"love to go for walks at the creek for a **break** in the school day"

"Bike paths!"

"always fun exploring this part of campus as well as taking the paths... rarely come all the way out here"

"I love **walking** around Kitt ponds and setting up a **hammock** here"

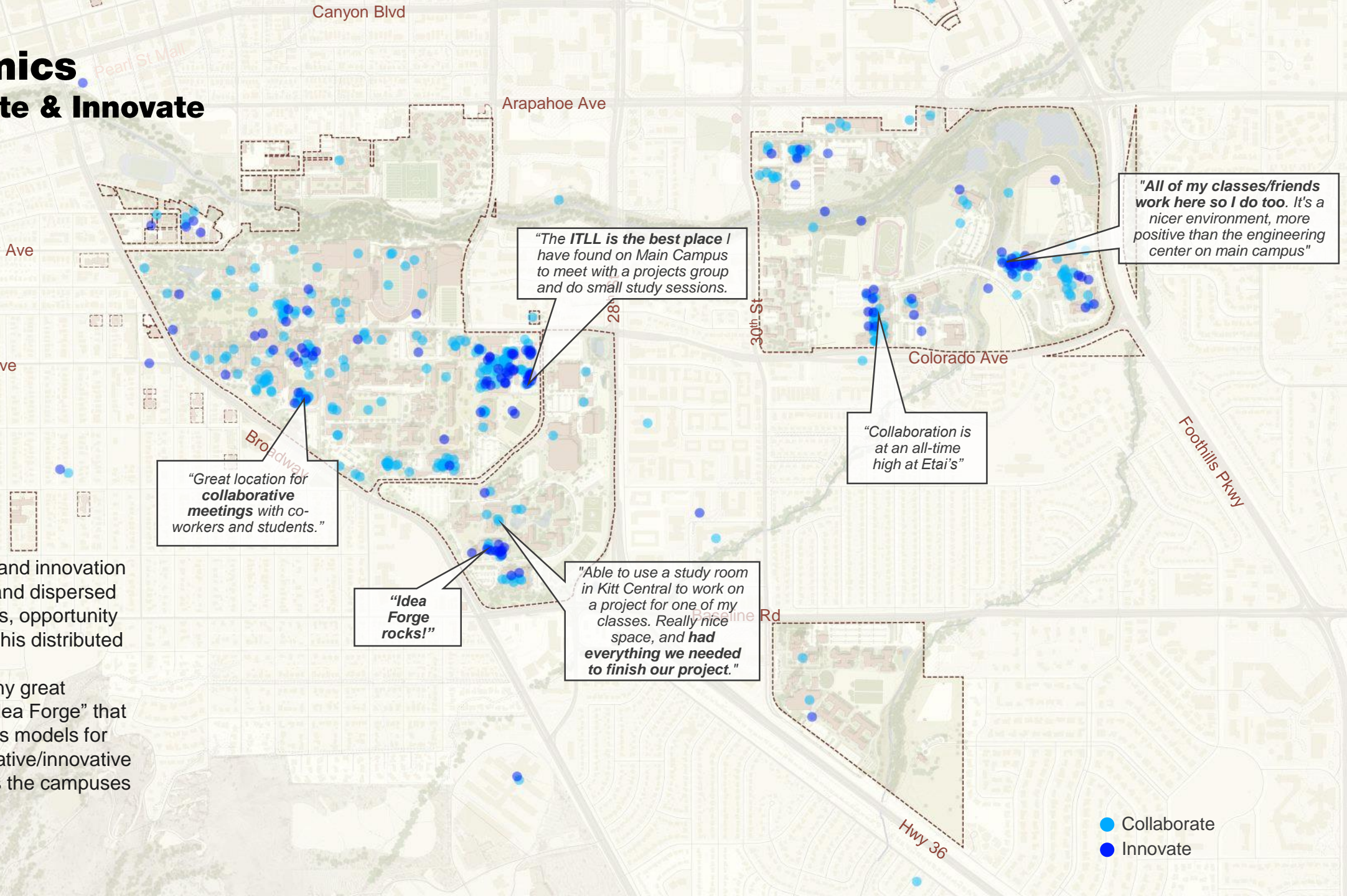
"fun place to play games and be outside with friends, one of the best spots on campus"

● Explore
● Recreate

Academics

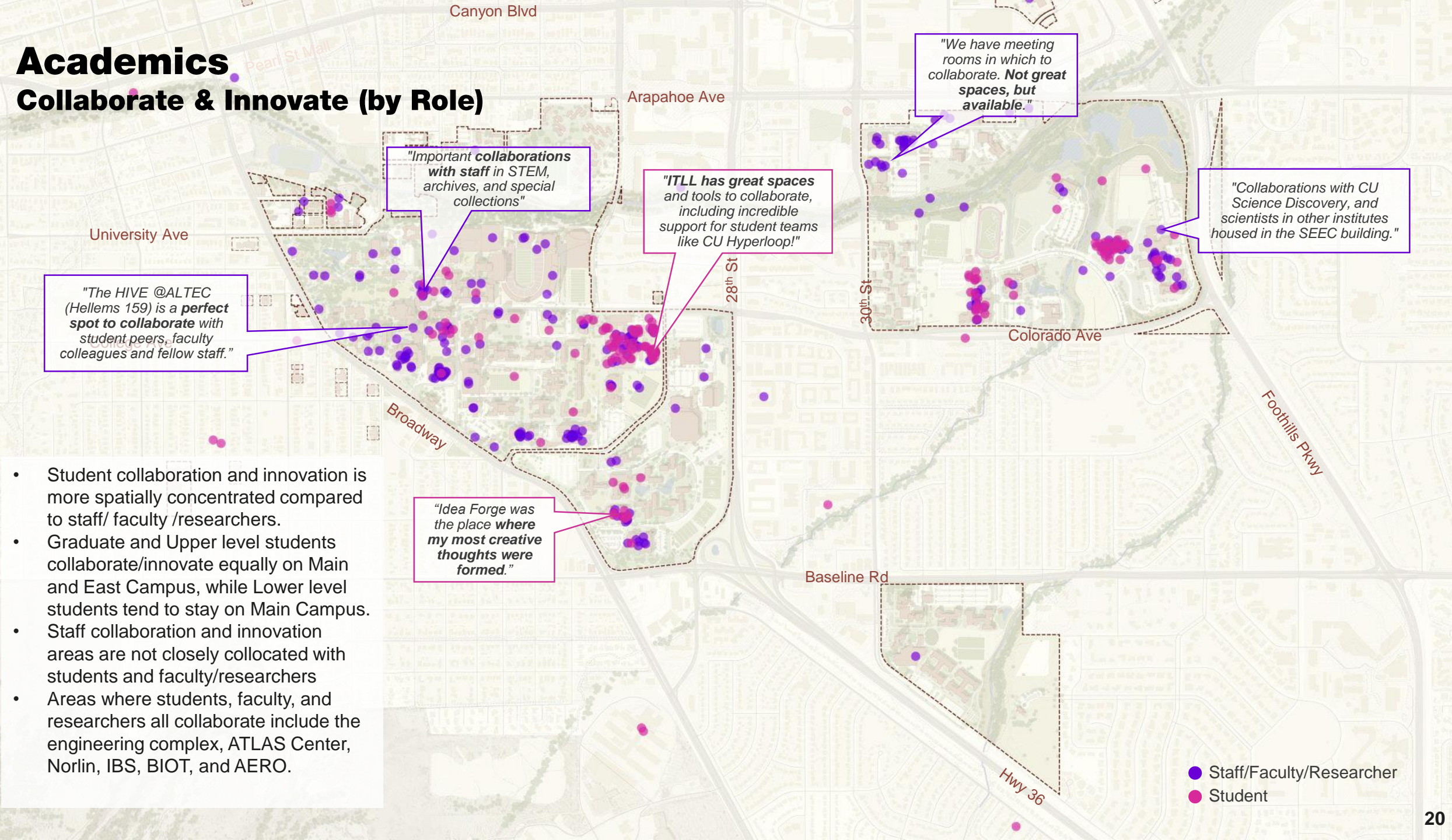
Collaborate & Innovate

- Collaboration and innovation is intermixed and dispersed across campus, opportunity to expand on this distributed model.
- There are many great spaces like “Idea Forge” that can be used as models for more collaborative/innovative spaces across the campuses



Academics

Collaborate & Innovate (by Role)



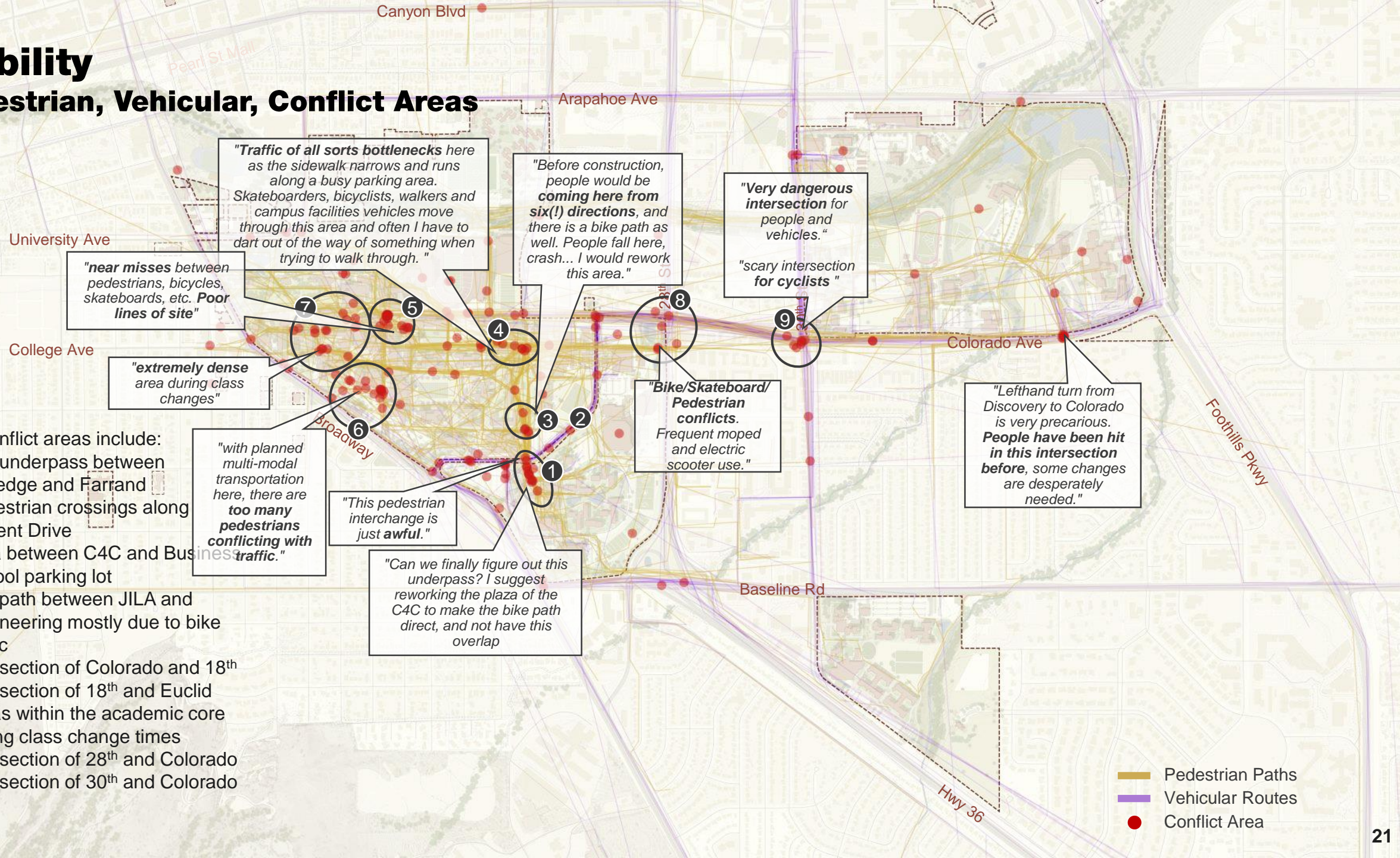
- Student collaboration and innovation is more spatially concentrated compared to staff/ faculty /researchers.
- Graduate and Upper level students collaborate/innovate equally on Main and East Campus, while Lower level students tend to stay on Main Campus.
- Staff collaboration and innovation areas are not closely collocated with students and faculty/researchers
- Areas where students, faculty, and researchers all collaborate include the engineering complex, ATLAS Center, Norlin, IBS, BIOT, and AERO.

Mobility

Pedestrian, Vehicular, Conflict Areas

Major conflict areas include:

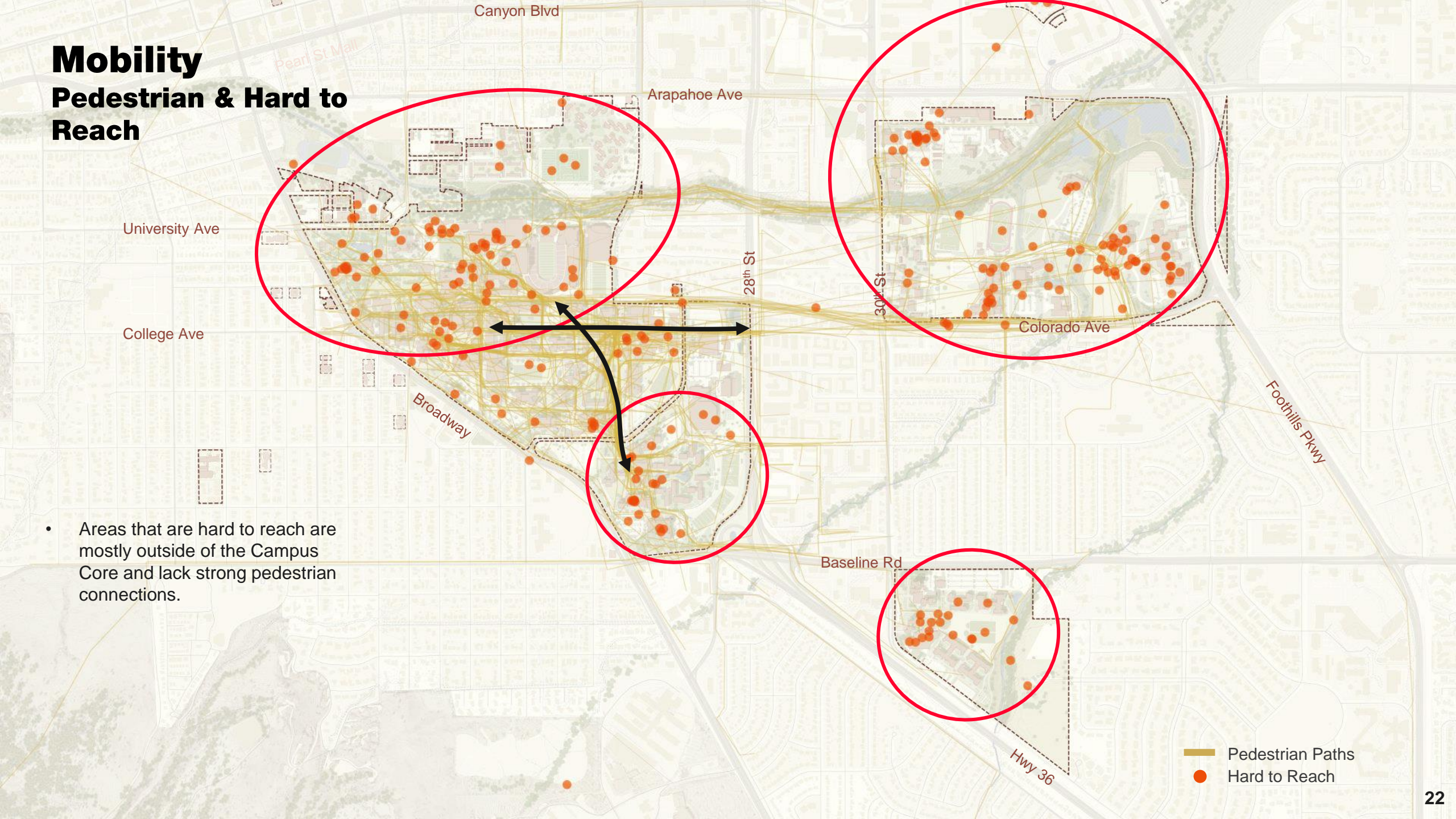
1. The underpass between Kittredge and Farrand
2. Pedestrian crossings along Regent Drive
3. Area between C4C and Business School parking lot
4. The path between JILA and Engineering mostly due to bike traffic
5. Intersection of Colorado and 18th
6. Intersection of 18th and Euclid
7. Areas within the academic core during class change times
8. Intersection of 28th and Colorado
9. Intersection of 30th and Colorado



Mobility

Pedestrian & Hard to Reach

- Areas that are hard to reach are mostly outside of the Campus Core and lack strong pedestrian connections.



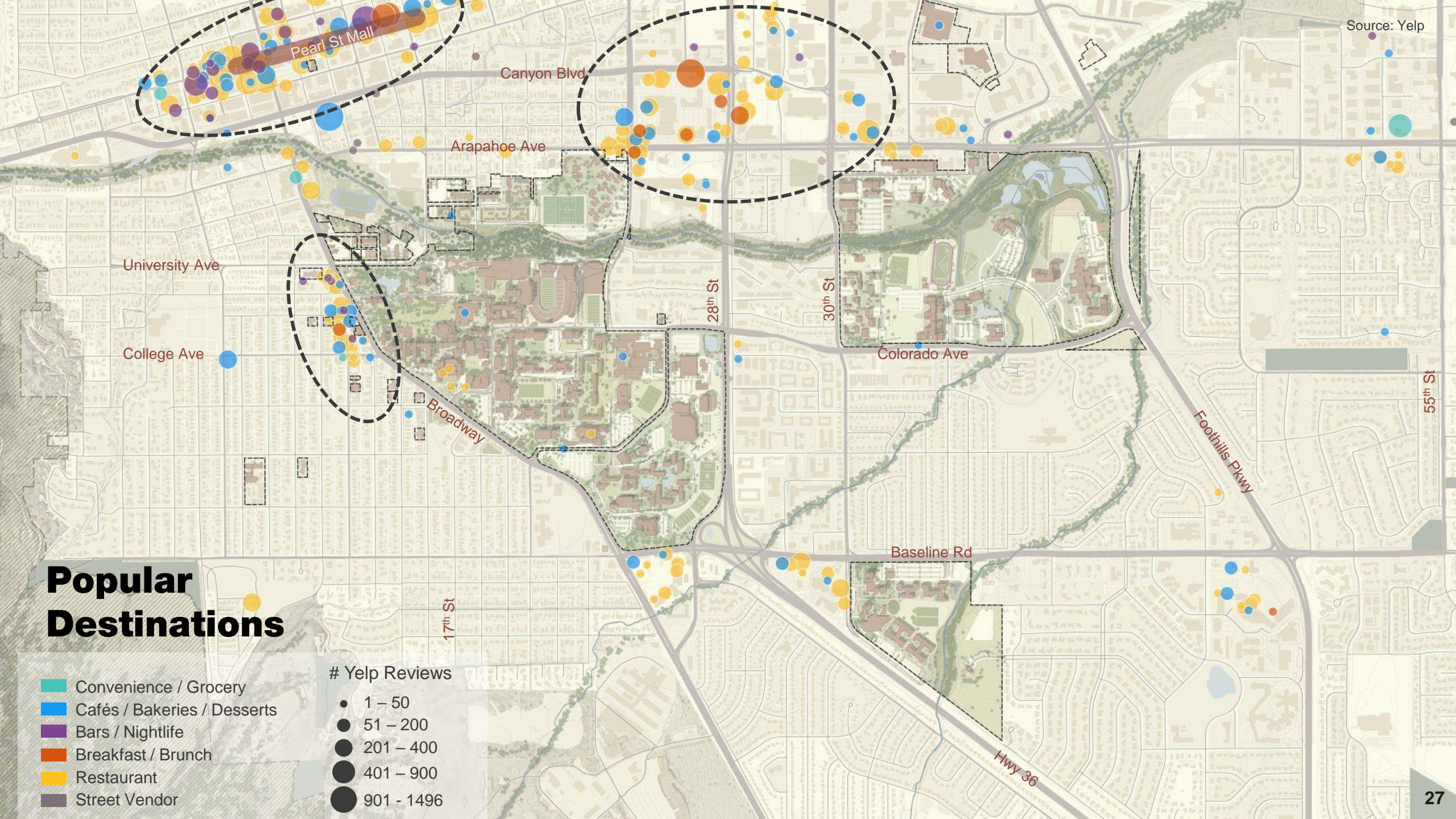
3 **Campus Frameworks**

Popular Destinations

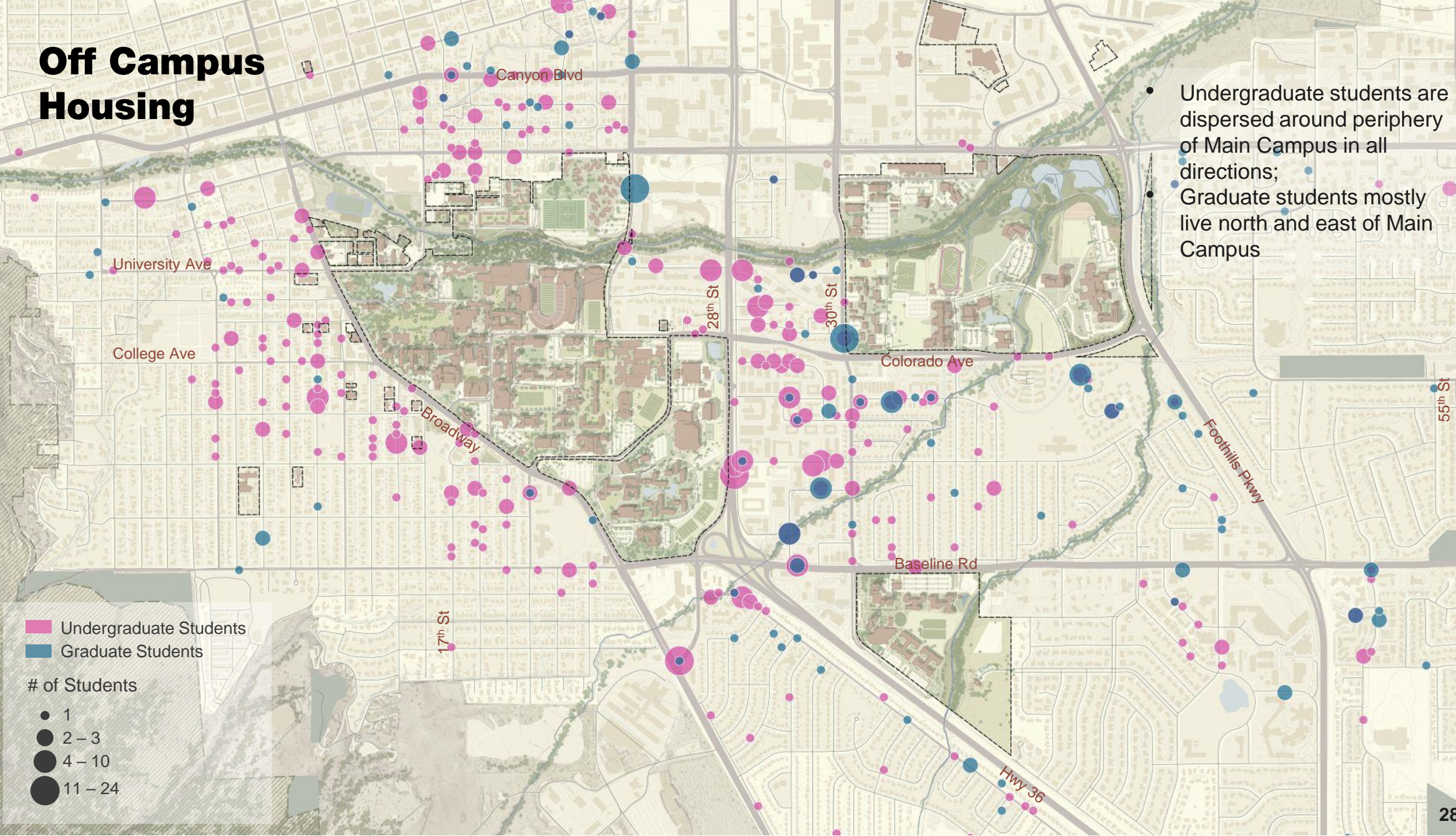
- Convenience / Grocery
- Cafés / Bakeries / Desserts
- Bars / Nightlife
- Breakfast / Brunch
- Restaurant
- Street Vendor

Yelp Reviews

- 1 – 50
- 51 – 200
- 201 – 400
- 401 – 900
- 901 – 1496



Off Campus Housing



- Undergraduate students are dispersed around periphery of Main Campus in all directions;
- Graduate students mostly live north and east of Main Campus

Undergraduate Students

Graduate Students

of Students

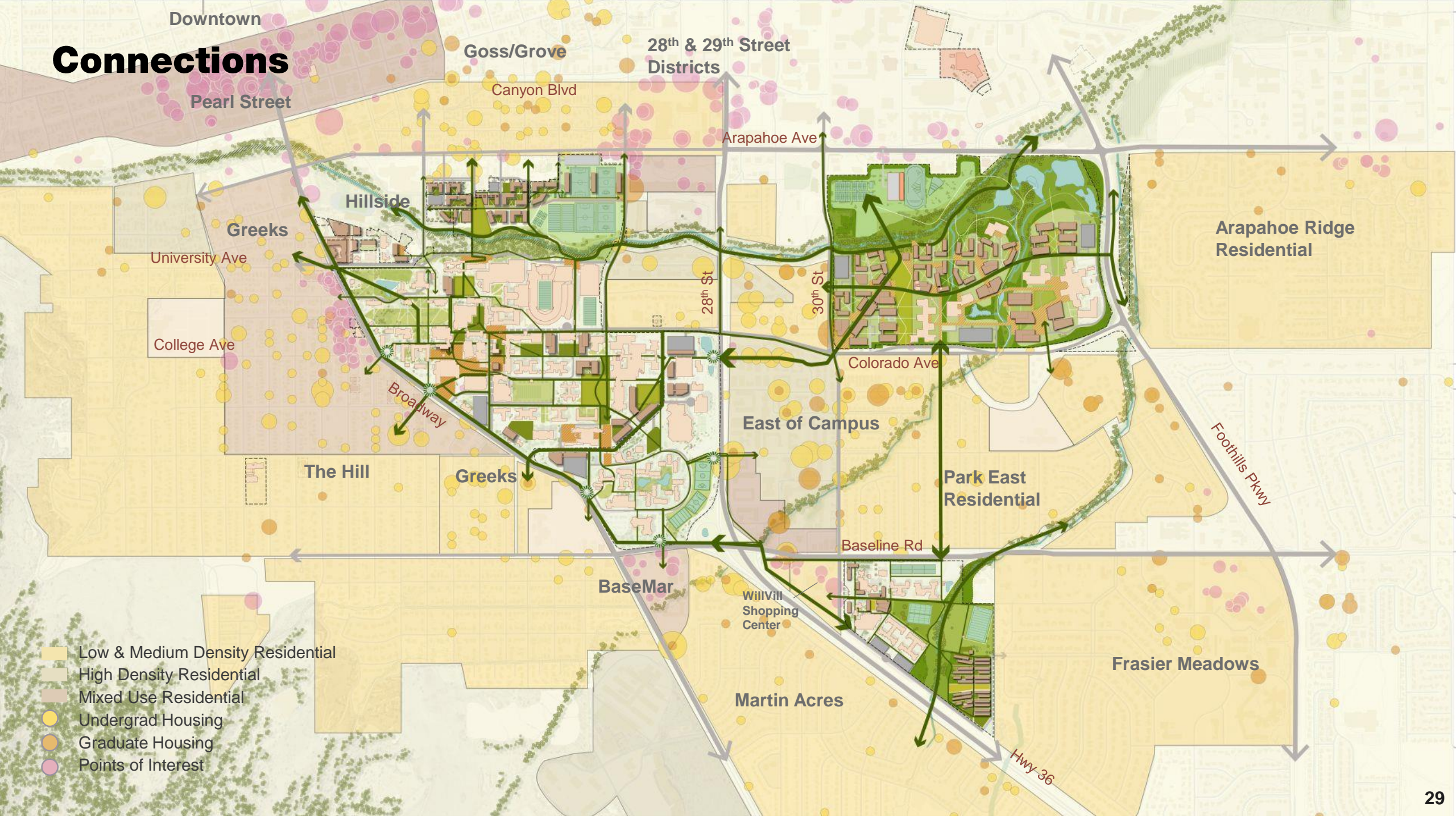
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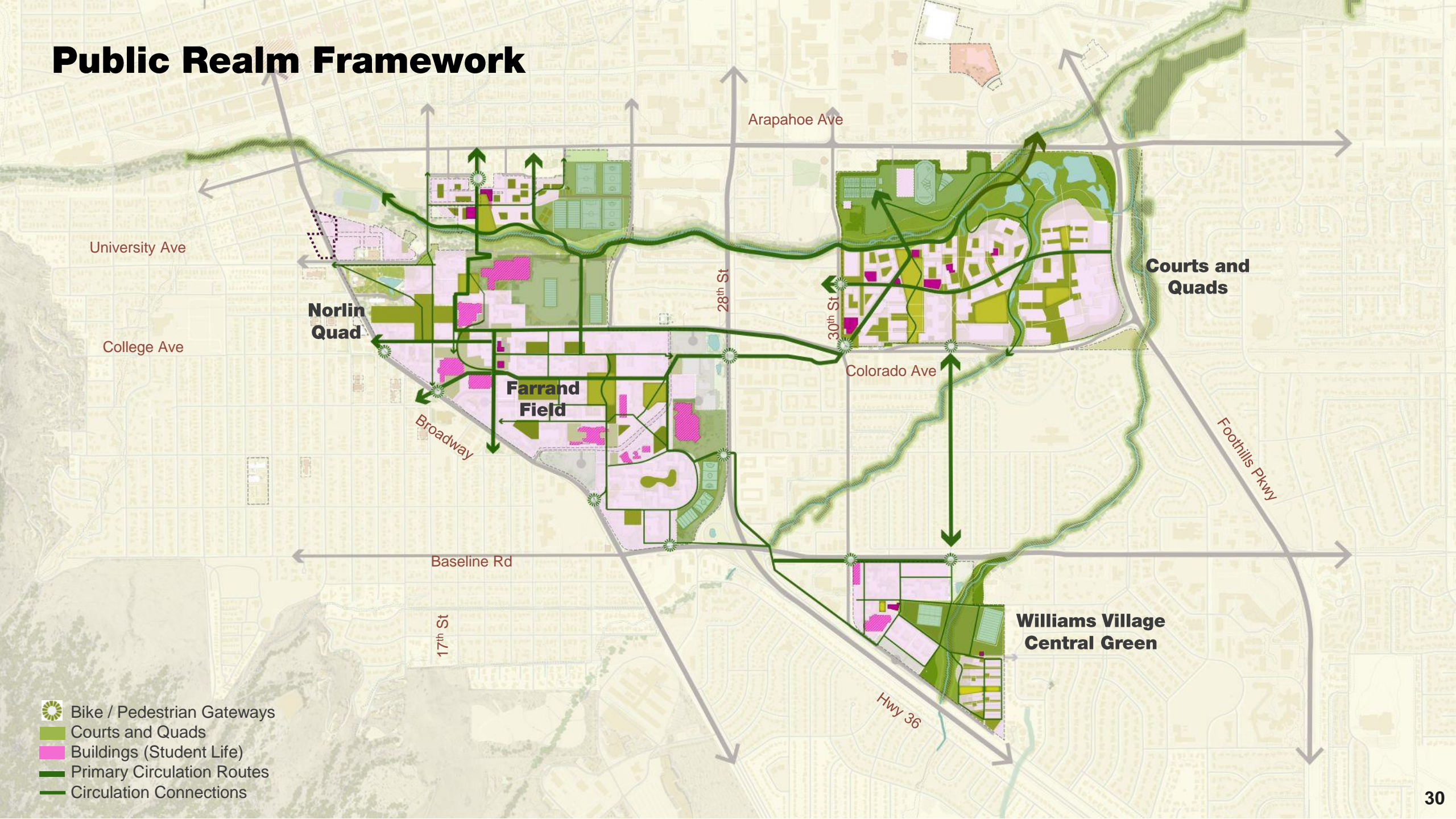
4 – 10

11 – 24

Connections



Public Realm Framework



Main Campus

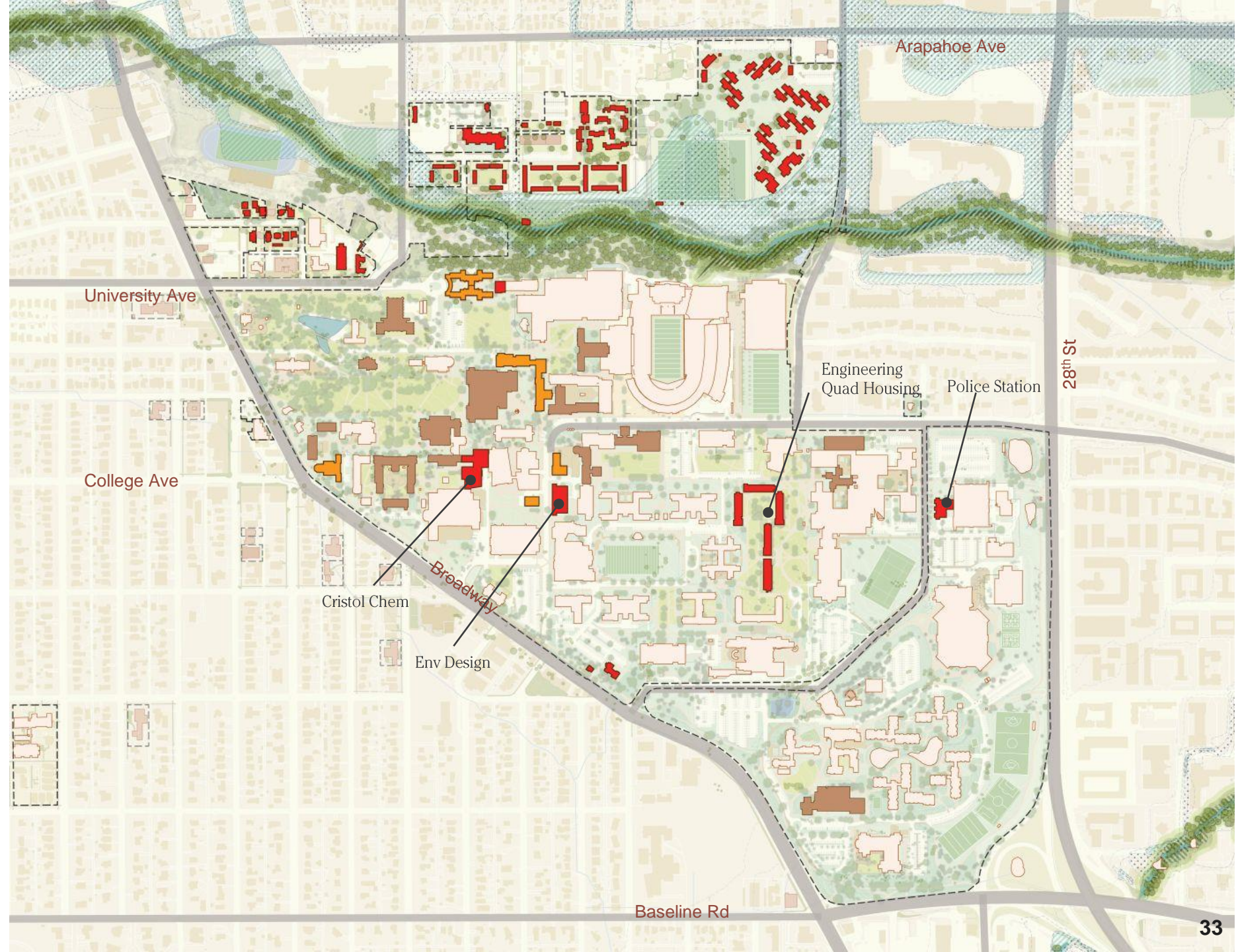
Existing Condition



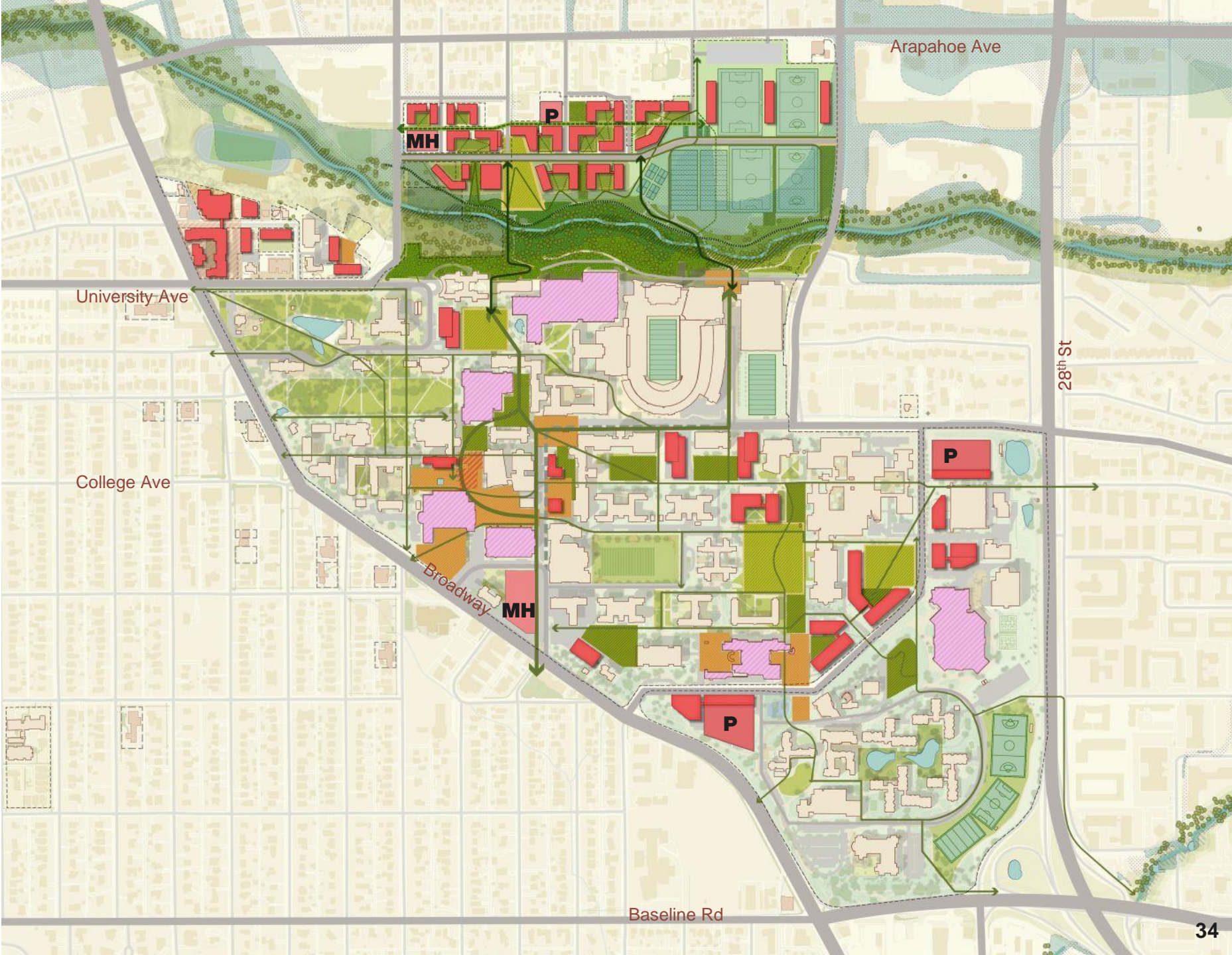
Strategic Demolitions / Interventions

- Strategic demolitions and renovation opportunities were determined through conversations with the CU Boulder Executive Committee, Planning Team, and the Project Management Team.
- Proposed Capital projects and demolition for housing NBC and the Engineering Quad was determined in previous planning efforts.

- High Hazard Zone
- 100 Year Floodplain
- Conveyance Zone
- Renovation Opportunities
- Proposed Demolition
- Proposed Capital Projects



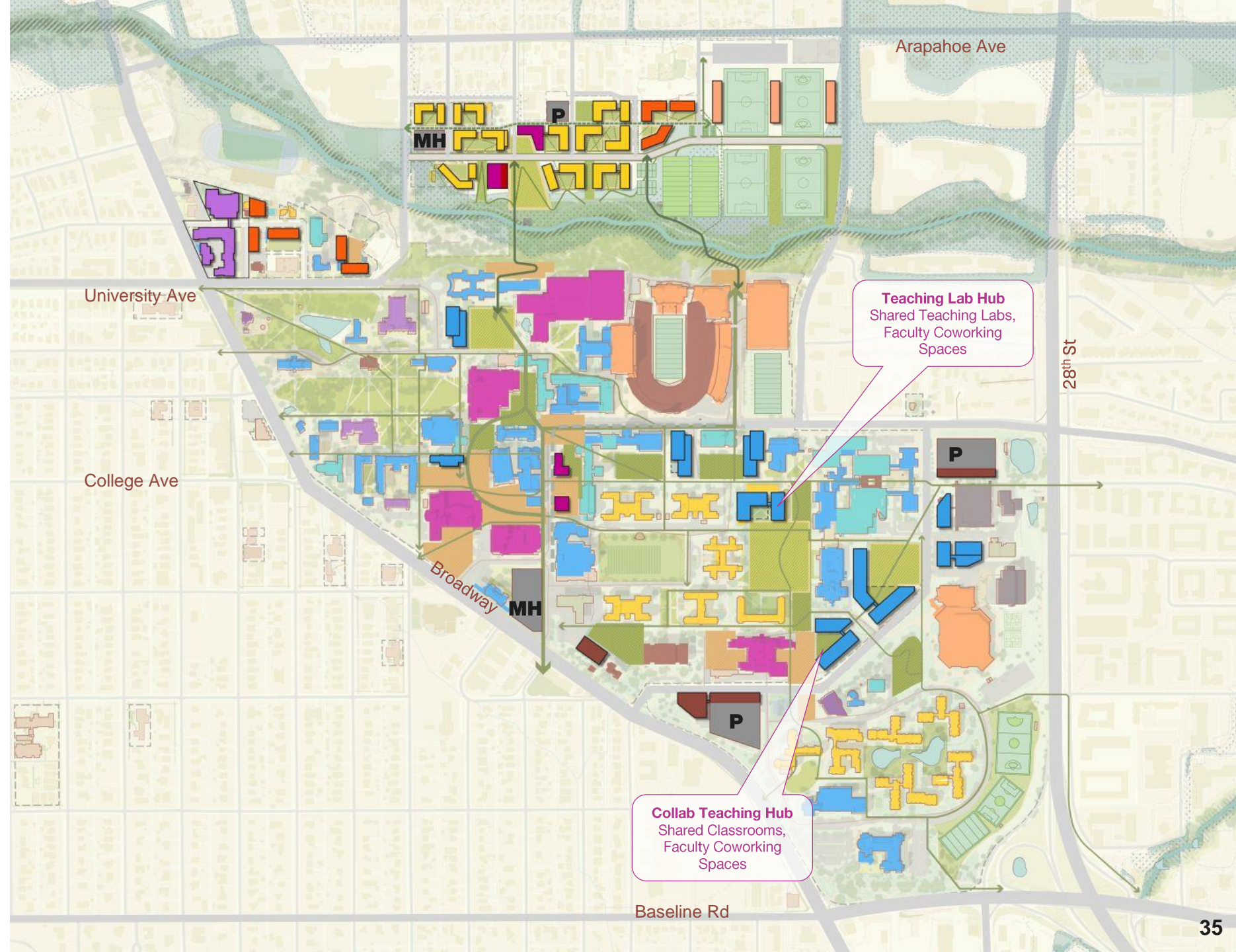
Proposed Buildings



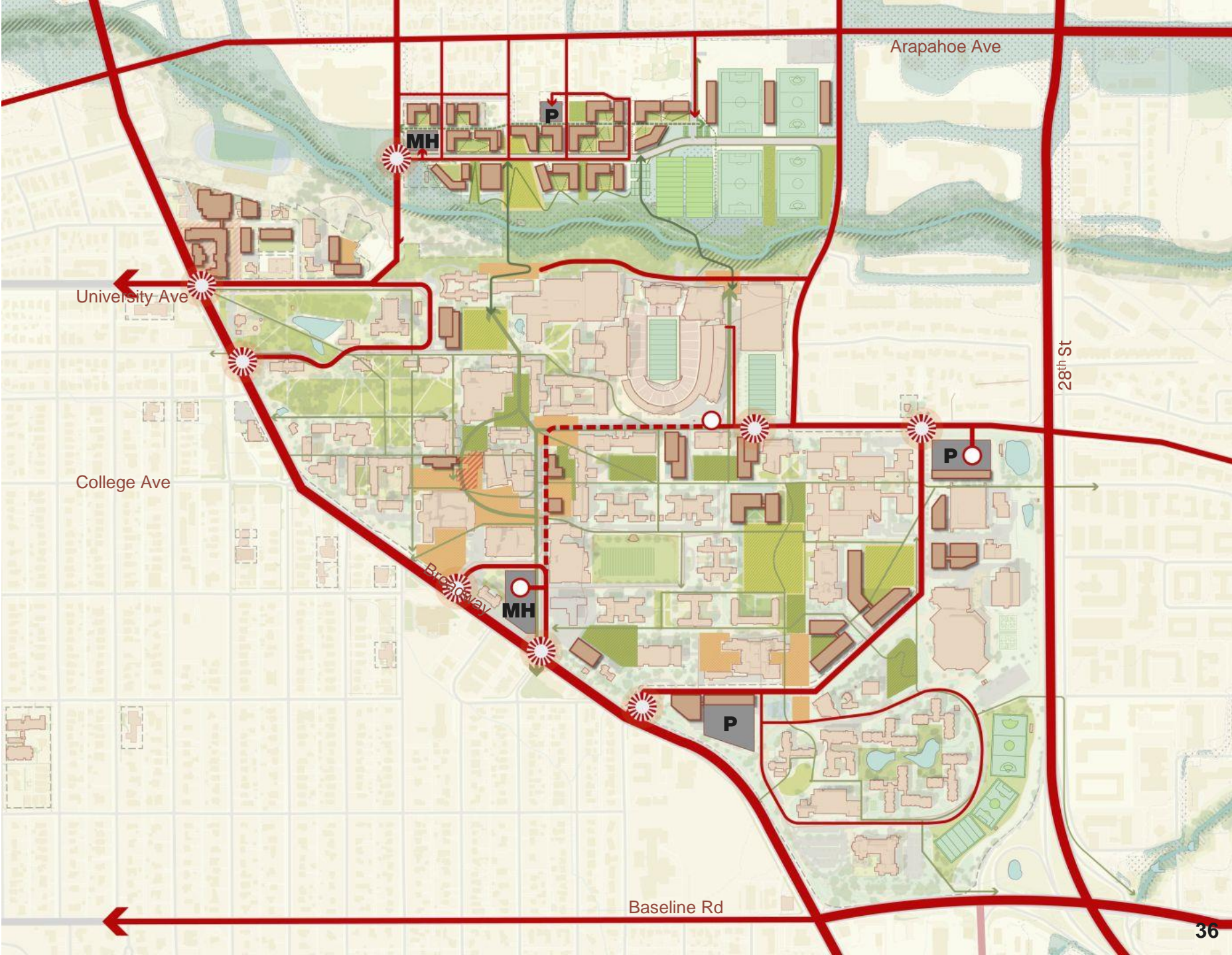
- 100 Year Floodplain
- Existing Open Space
- Existing Student Life
- Proposed Open Space
- Proposed Buildings
- Proposed Parking Garage

Program Distribution

- Increased focus of academics in the core with a shift of housing to North of Boulder Creek and Grandview.
- Additional student life opportunities in the core with the transformation of the power plant.



Vehicular Network



- Primary Roads
- Secondary Roads
- Gateways
- Proposed Parking

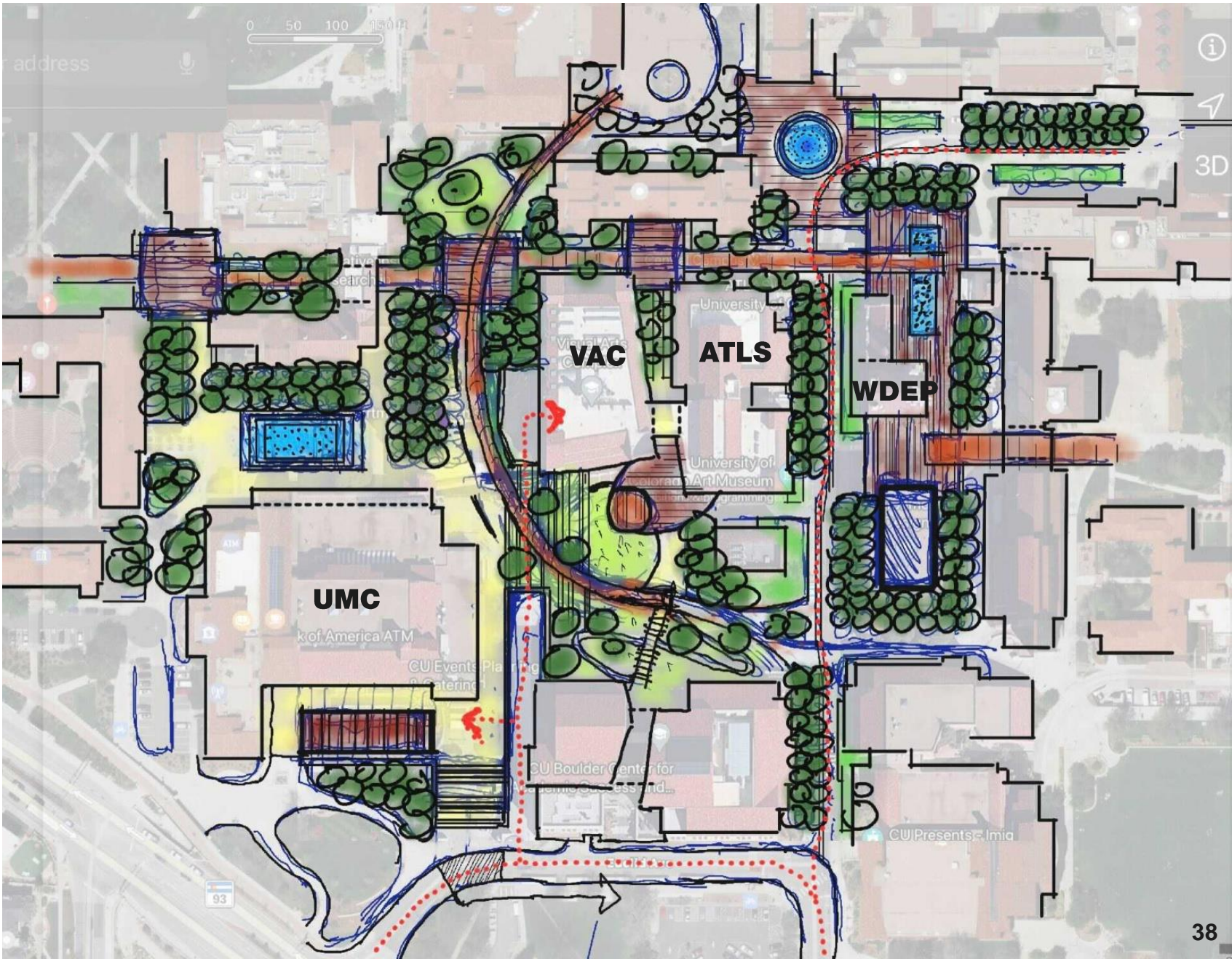
Pedestrian Network & Open Spaces



- Inter-Campus Connections
- Pedestrian Connections
- New Public Spaces
- Primary Public Spaces
- Improved and New Plazas
- Existing Buildings
- Proposed Buildings
- Proposed Parking

Landscape Strategies

West Core



Campus Landscape Precedents

Central Gathering Spaces



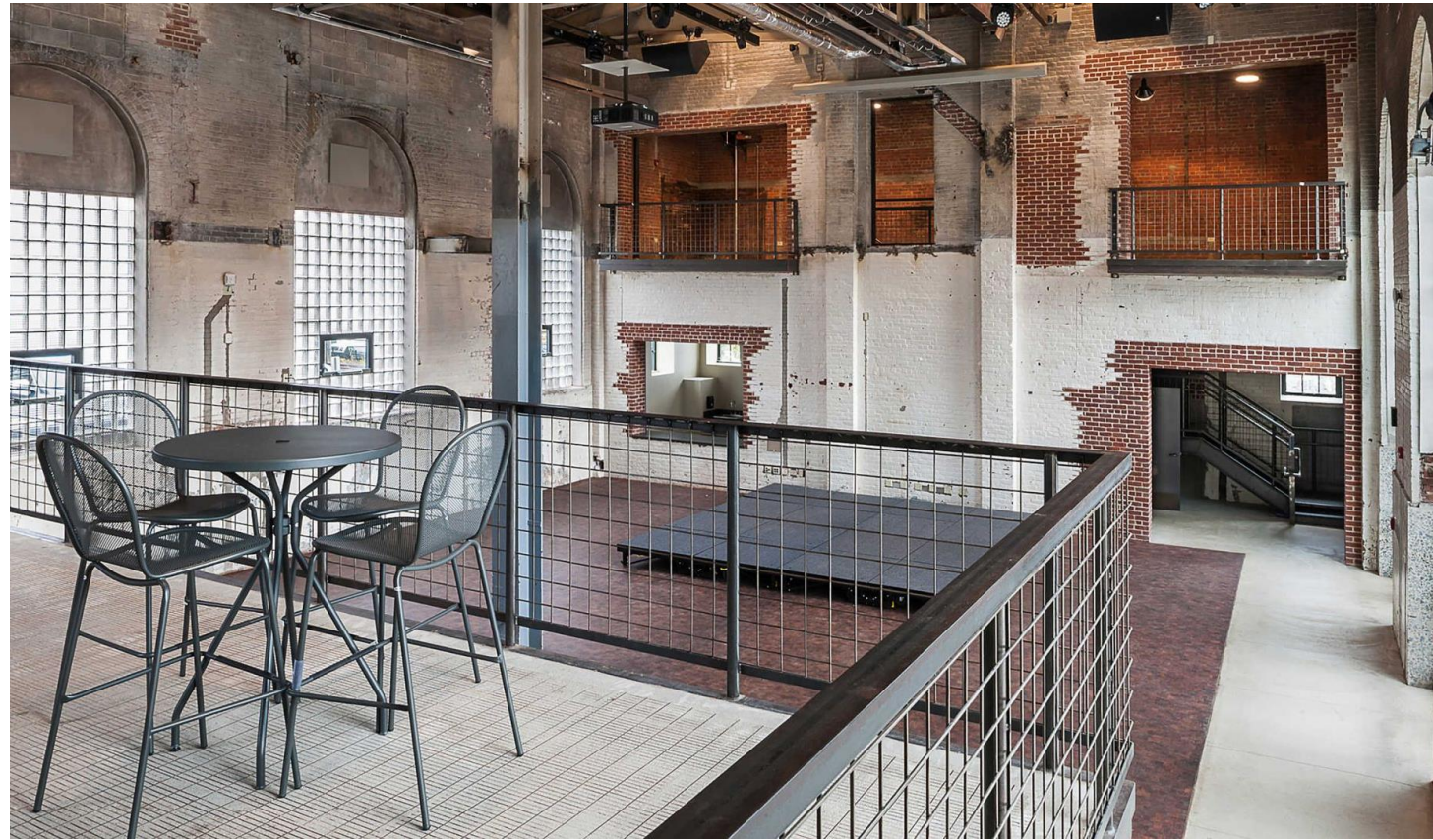
West Power Plant Precedent

Amherst College



West Power Plant Precedent

Amherst College



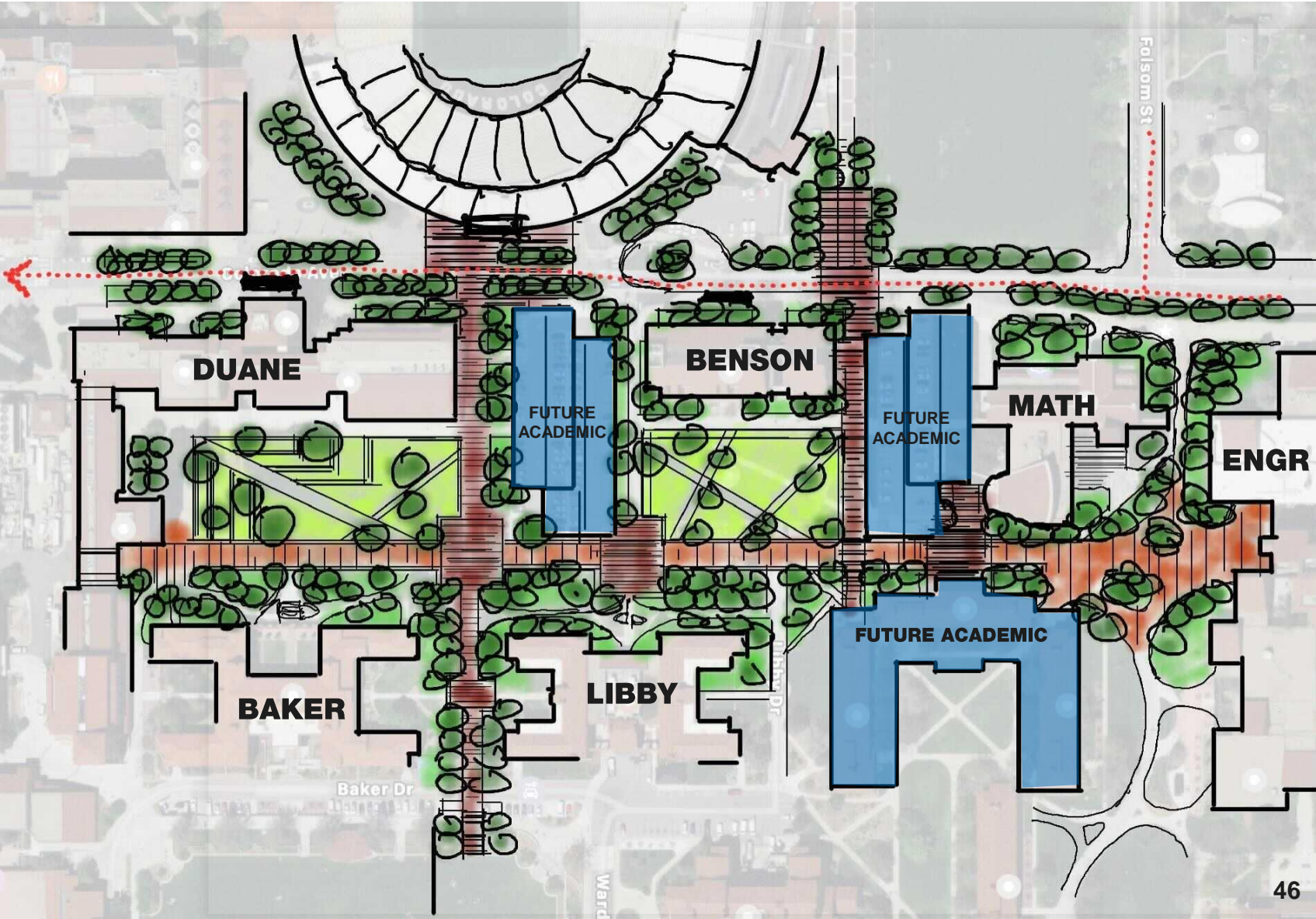
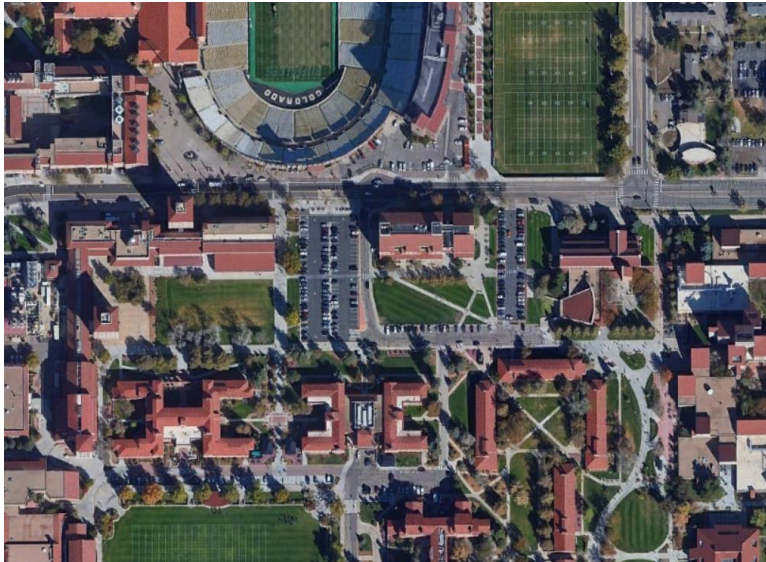
Environmental Design Replacement: Precedent

Rice University Brochstein Pavilion



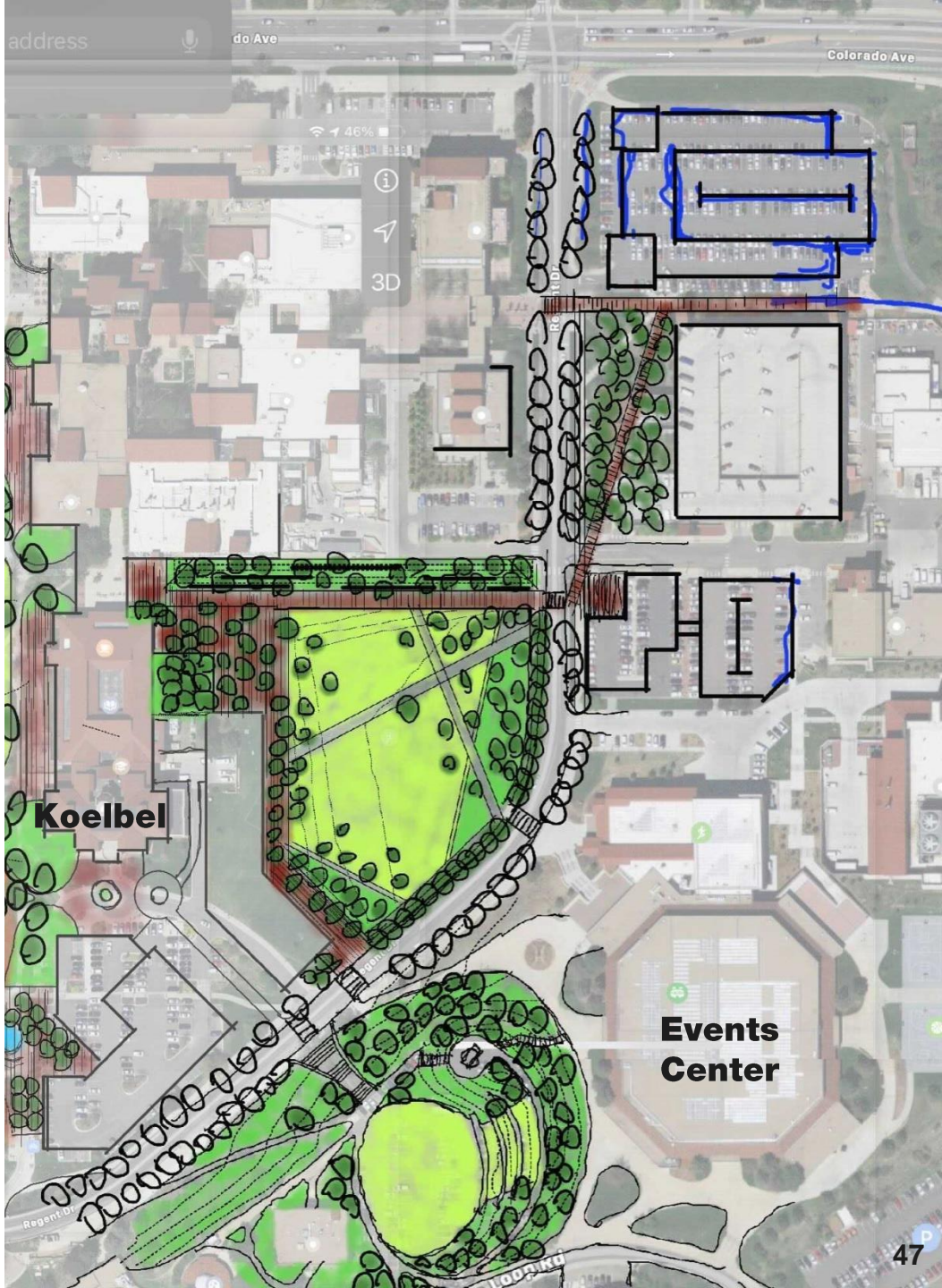
Landscape Strategies

Engine Alley “Extension”



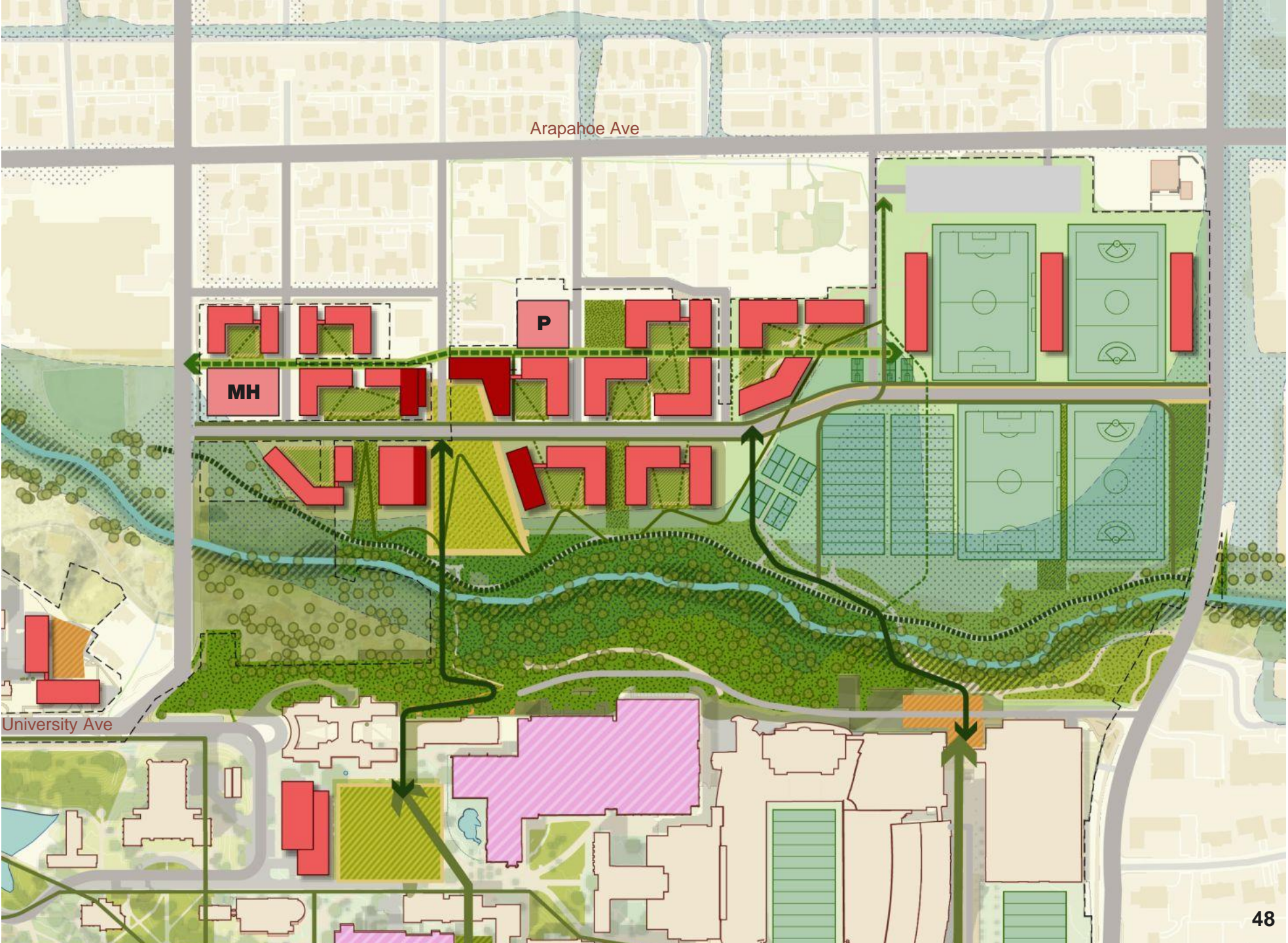
Landscape Strategies

Business Field and Regent

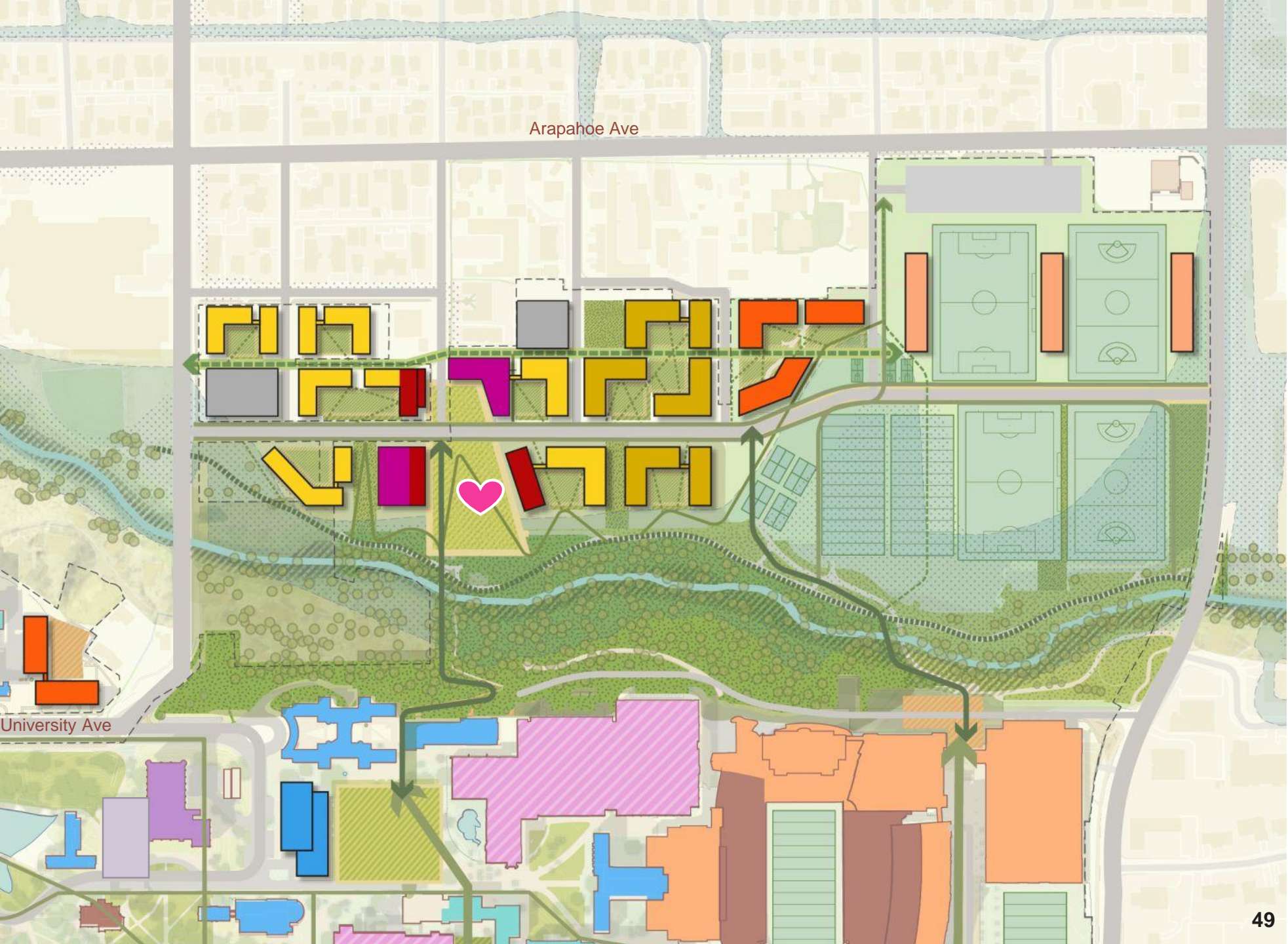


NBC

Proposed Buildings



NBC Program Distribution



Housing Precedents: Community Connections

University of Washington-Seattle West Campus Housing



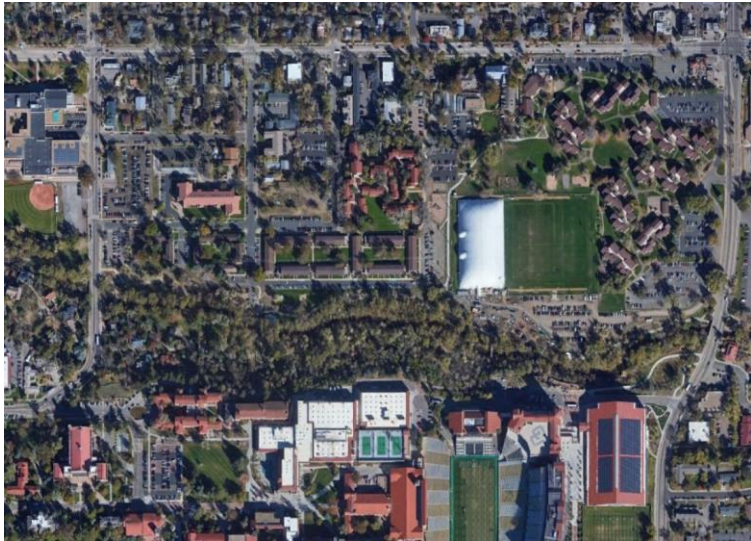
Housing Precedents: Community Connections

University of Washington-Seattle West Campus Housing



Landscape Strategies

North of Boulder Creek

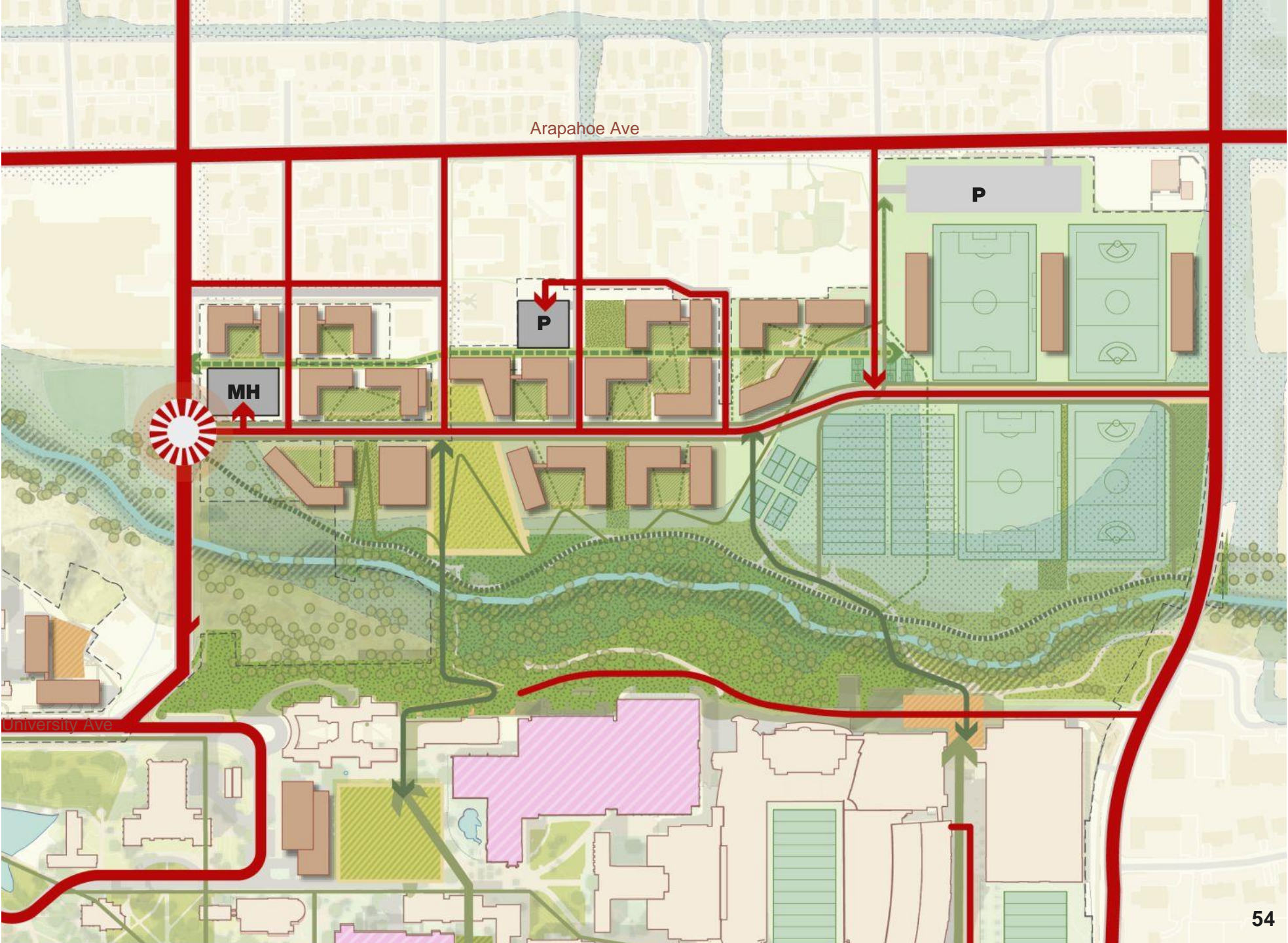


Campus Landscape Precedents

Recreation Adjacencies



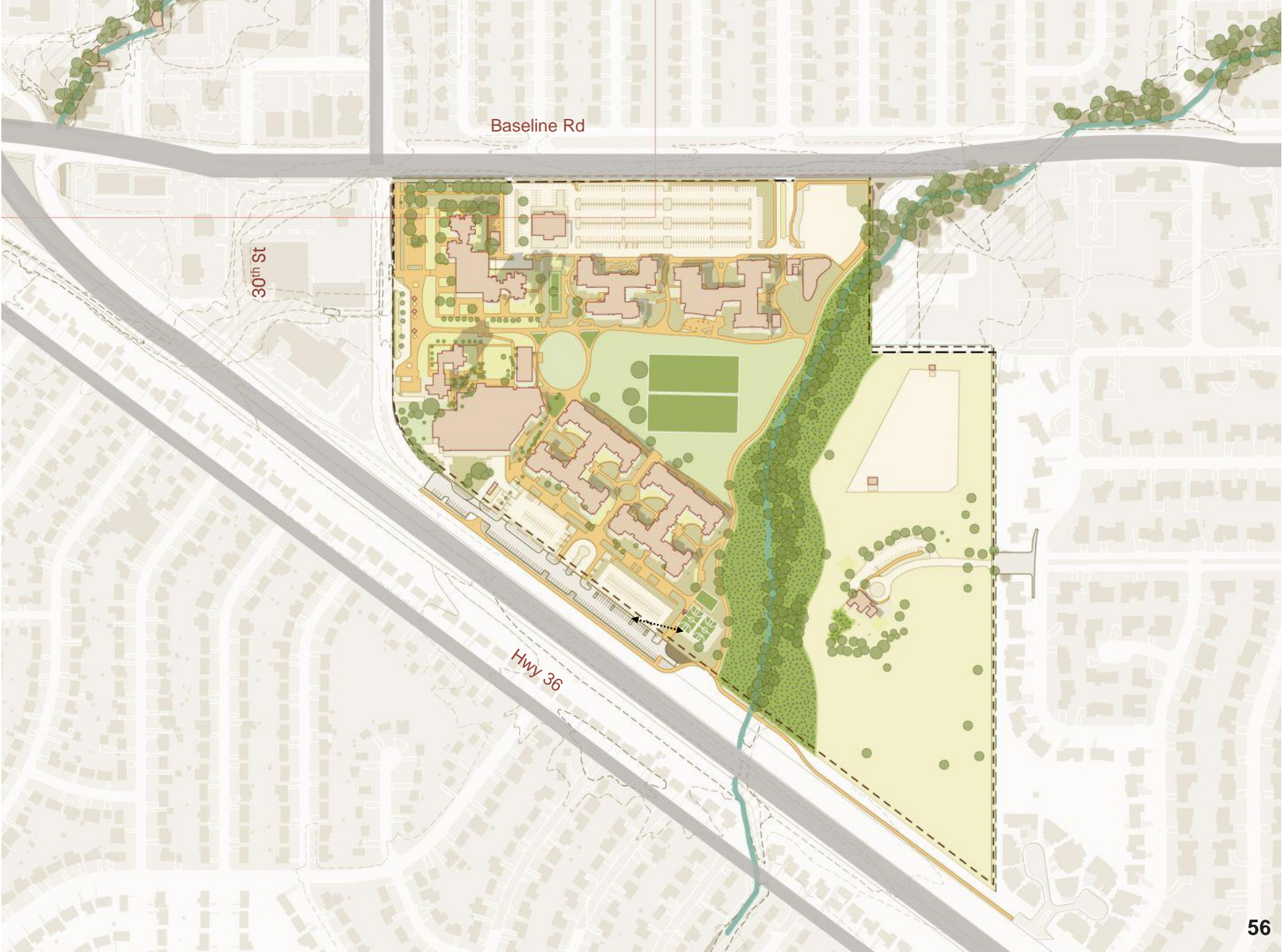
NBC - Vehicular Network



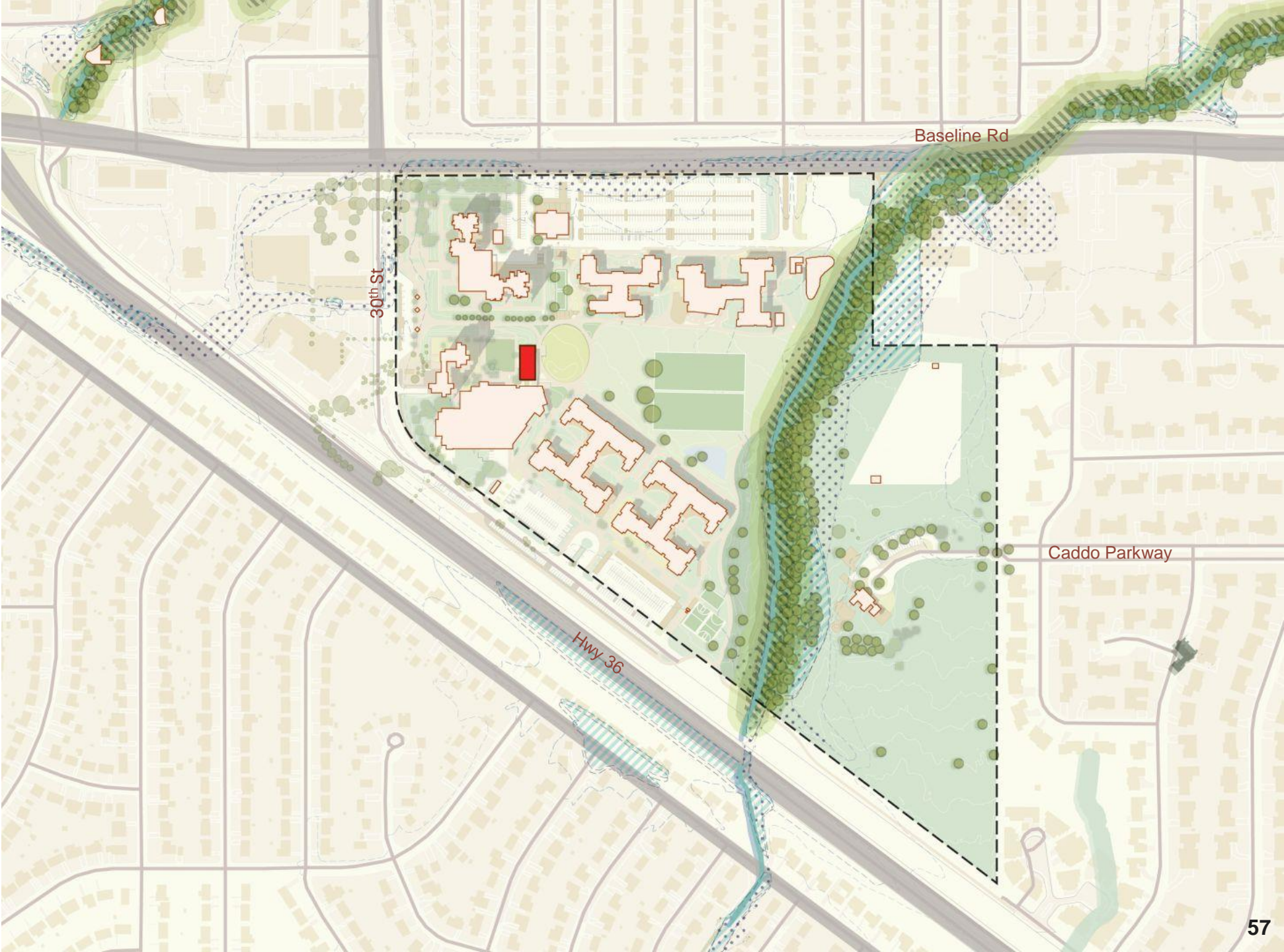
- Primary Roads
- Secondary Roads
- Gateways
- Proposed Parking

Williams Village

Existing Conditions

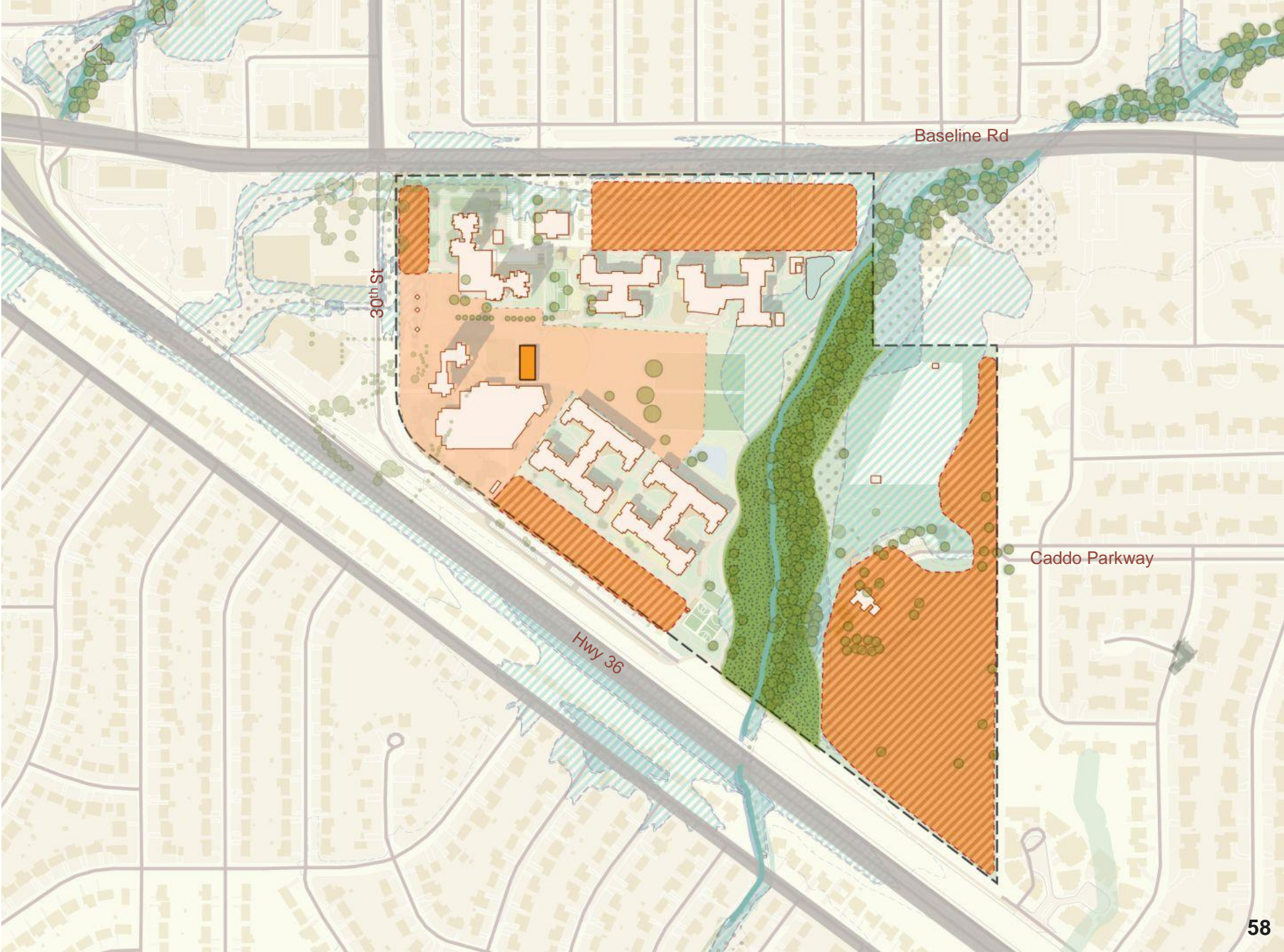


Strategic Demolition



- Wetland Buffer
- 100 Year Floodplain
- Conveyance Zone
- Potential Demolition

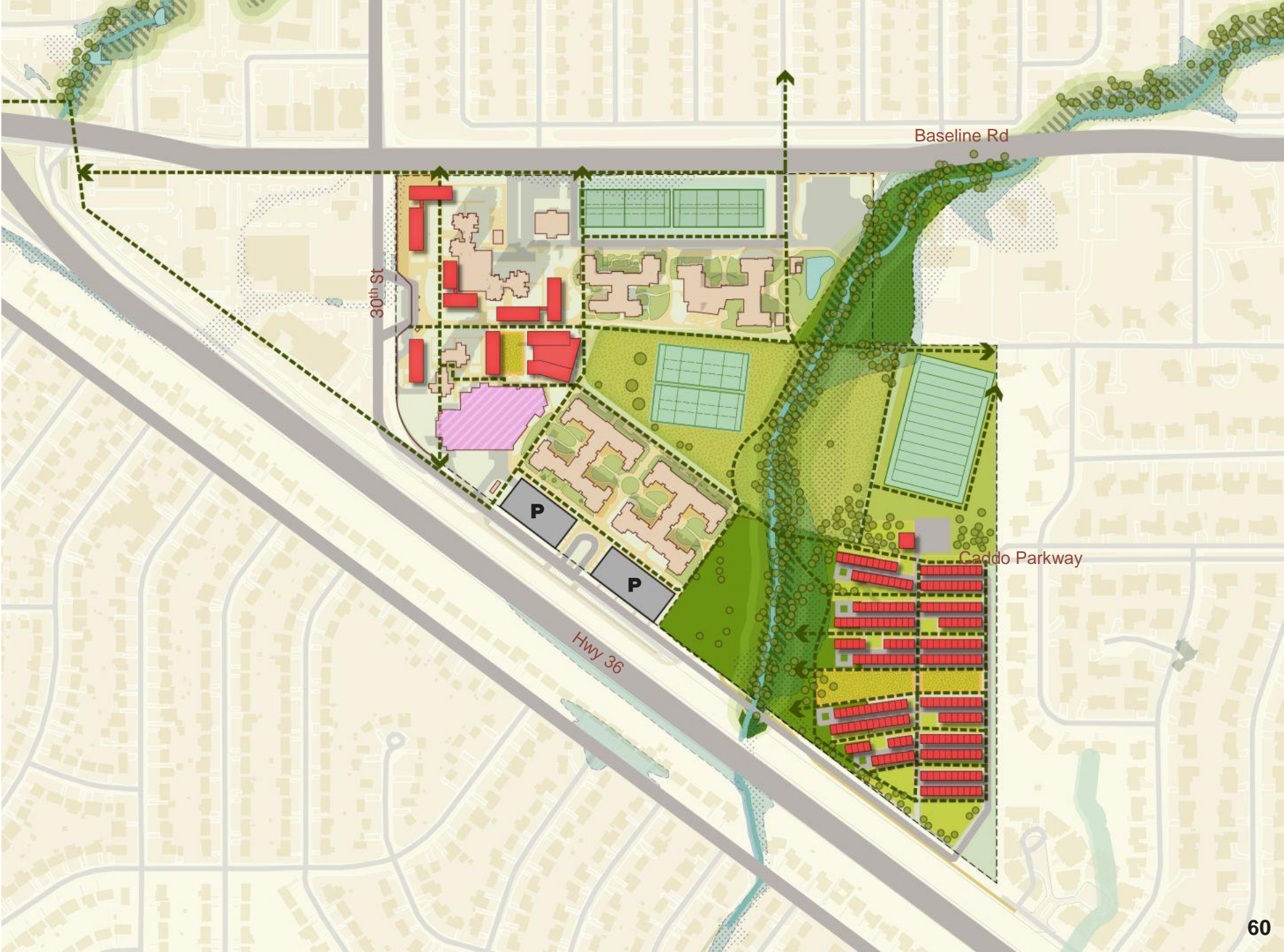
Opportunity Sites



- Wooded / Riparian Area
- High Hazard Zone
- 100 Year Floodplain
- Conveyance Zone
- Opportunity Buildings

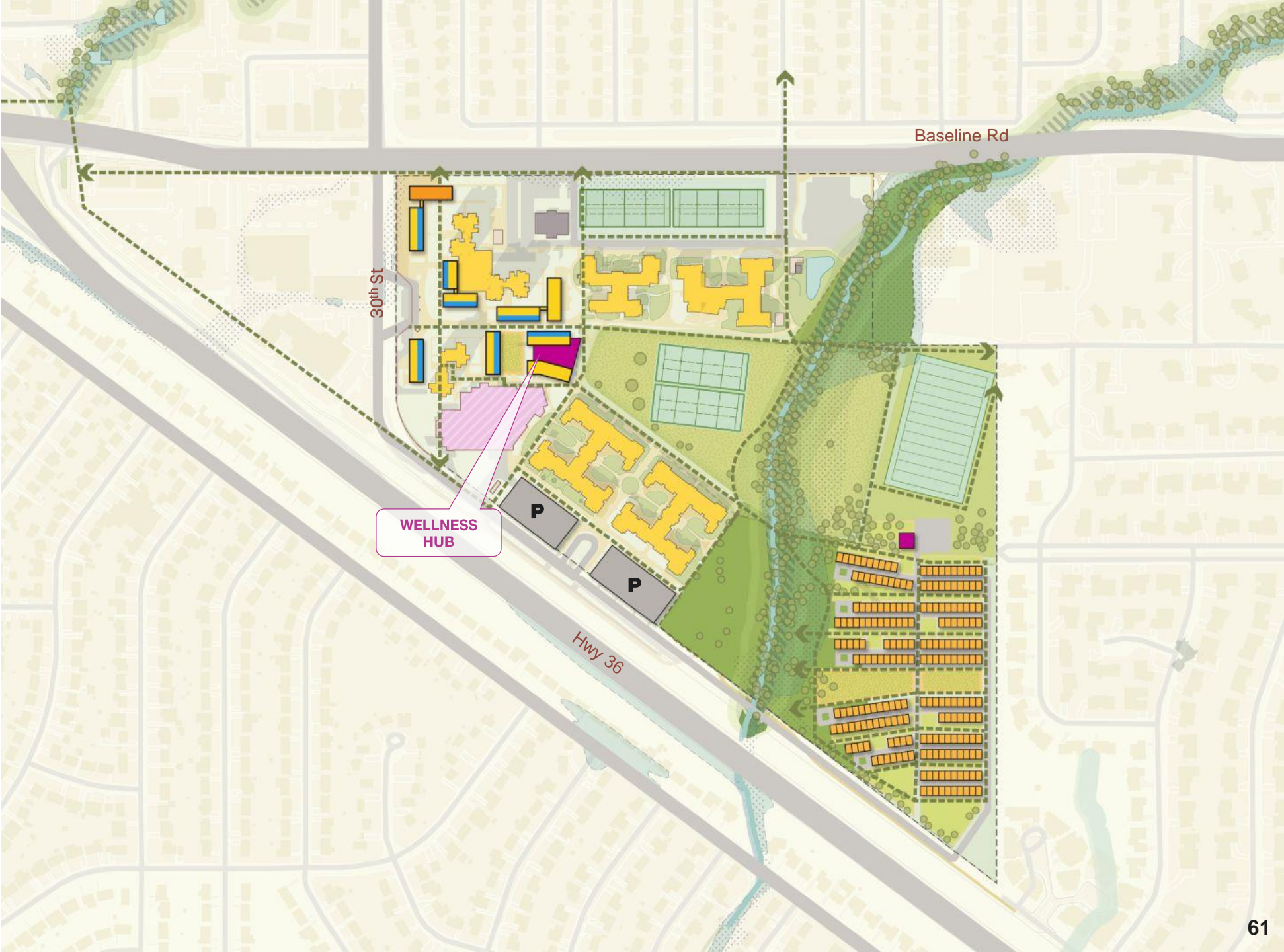
Proposed Buildings

- 100 Year Floodplain
- Existing Open Space
- Existing Student Life
- Proposed Open Space
- Proposed Buildings
- Proposed Parking Garage



Program Distribution

Note: Academic Space is designated at the ground level of all new housing buildings

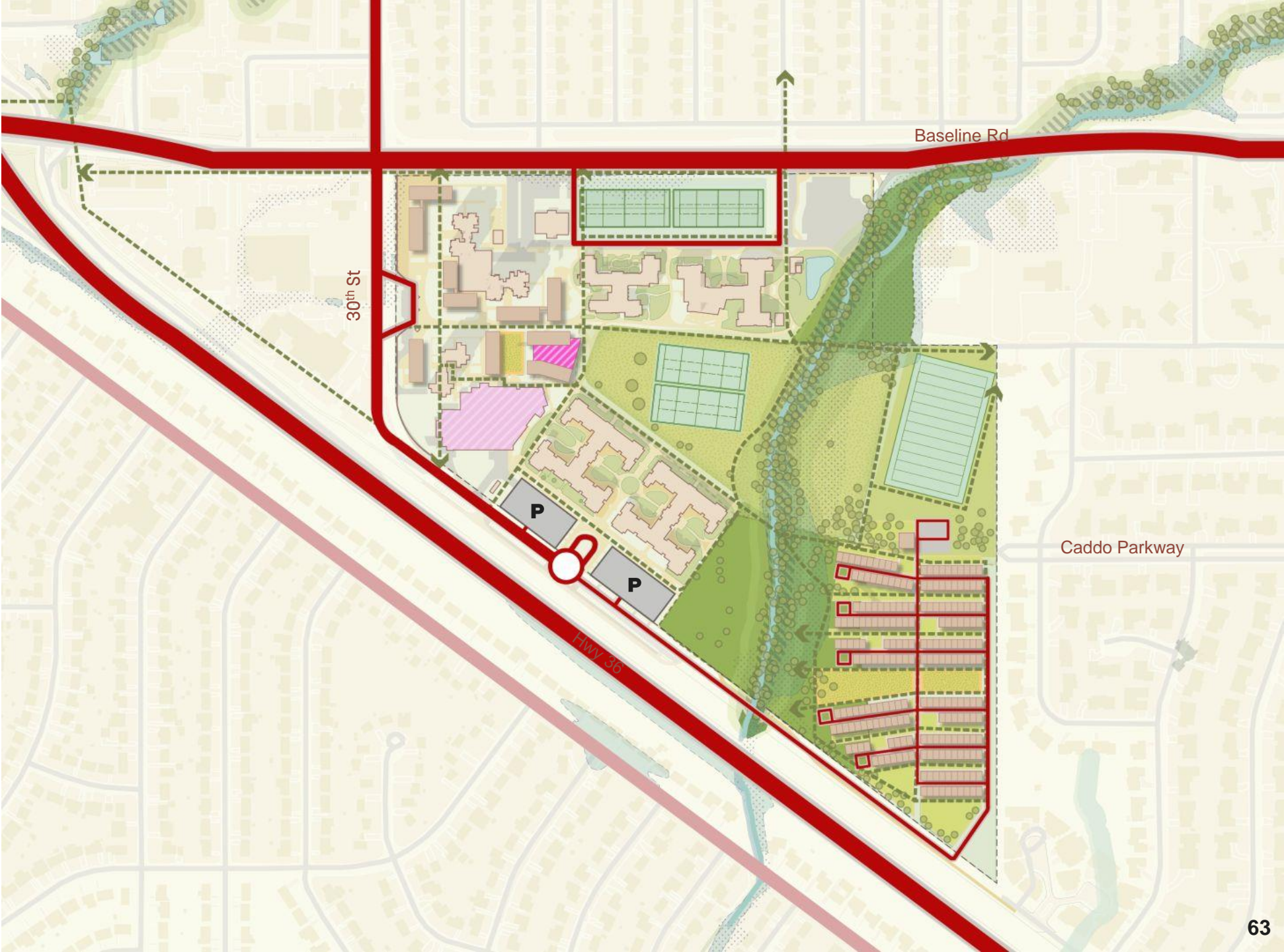


- Traditional (Freshman)
- Semi-Suites (Sophomores)
- Apartments (Graduate Students)
- Townhome / Apartments (Faculty)
- Student Life
- Academic
- Parking

Landscape Strategies

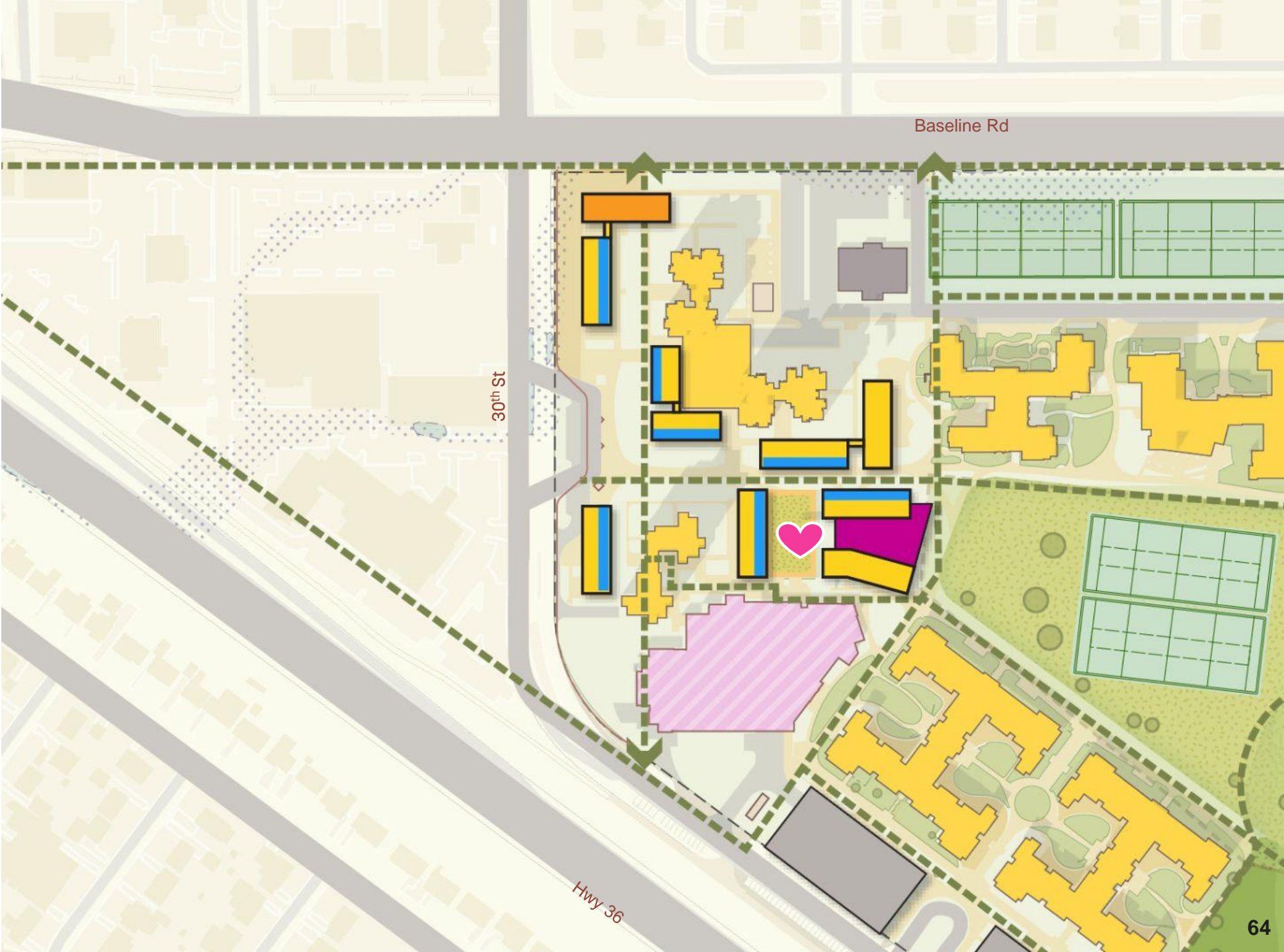


Vehicular Network



- Primary Roads
- Secondary Roads
- Gateways
- Proposed Parking

Williams Village Towers



Precedent – Ohio State North Campus Transformation



 THE OHIO STATE UNIVERSITY **North Residential District Transformation**



Precedent – Ohio State North Campus Transformation

BEFORE



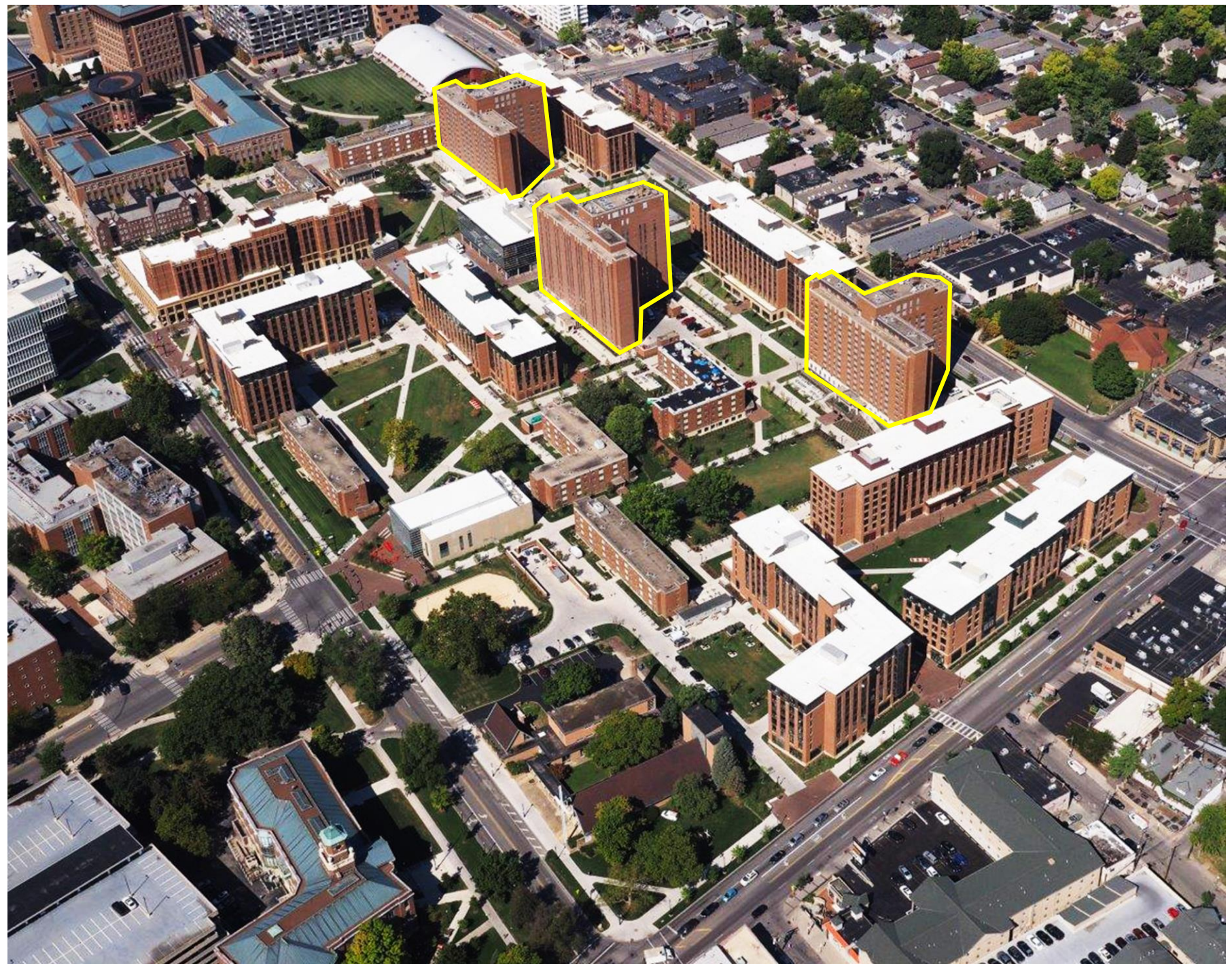






BEFORE

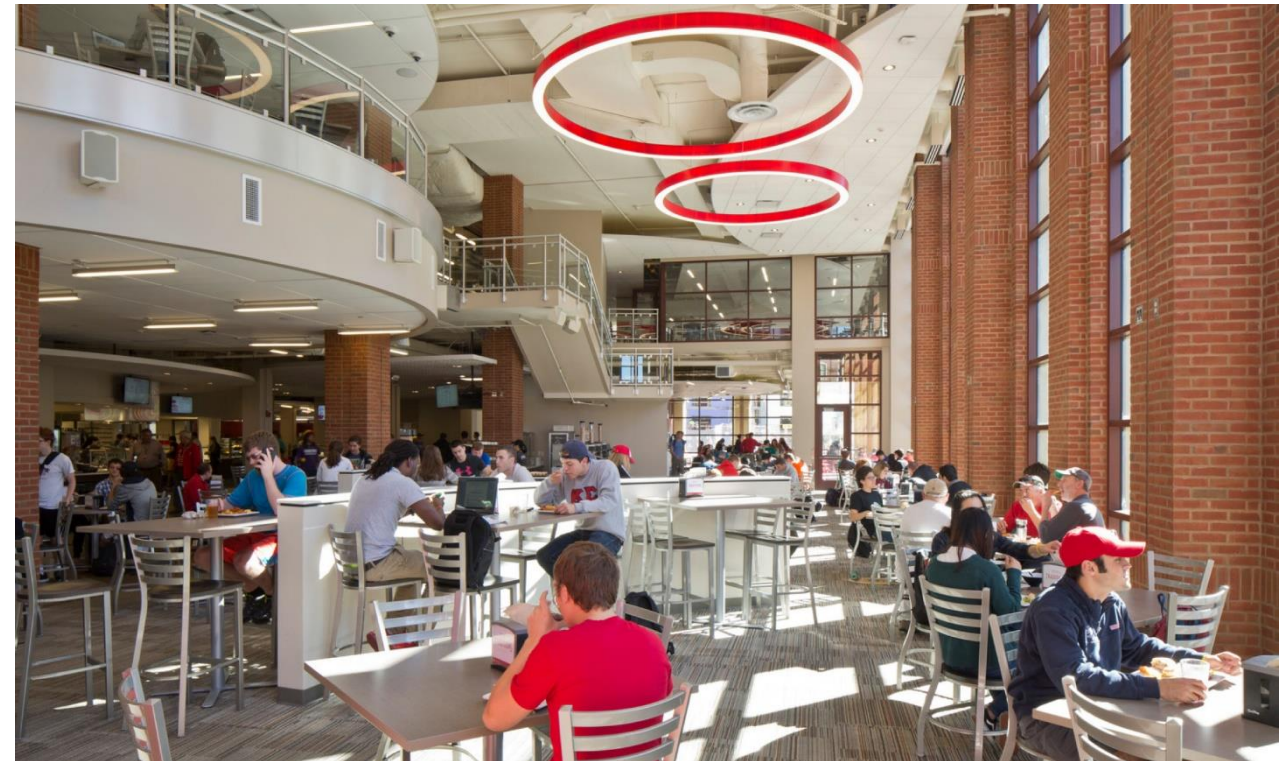




Precedent – Ohio State North Campus Transformation



Precedent – Ohio State North Campus Transformation

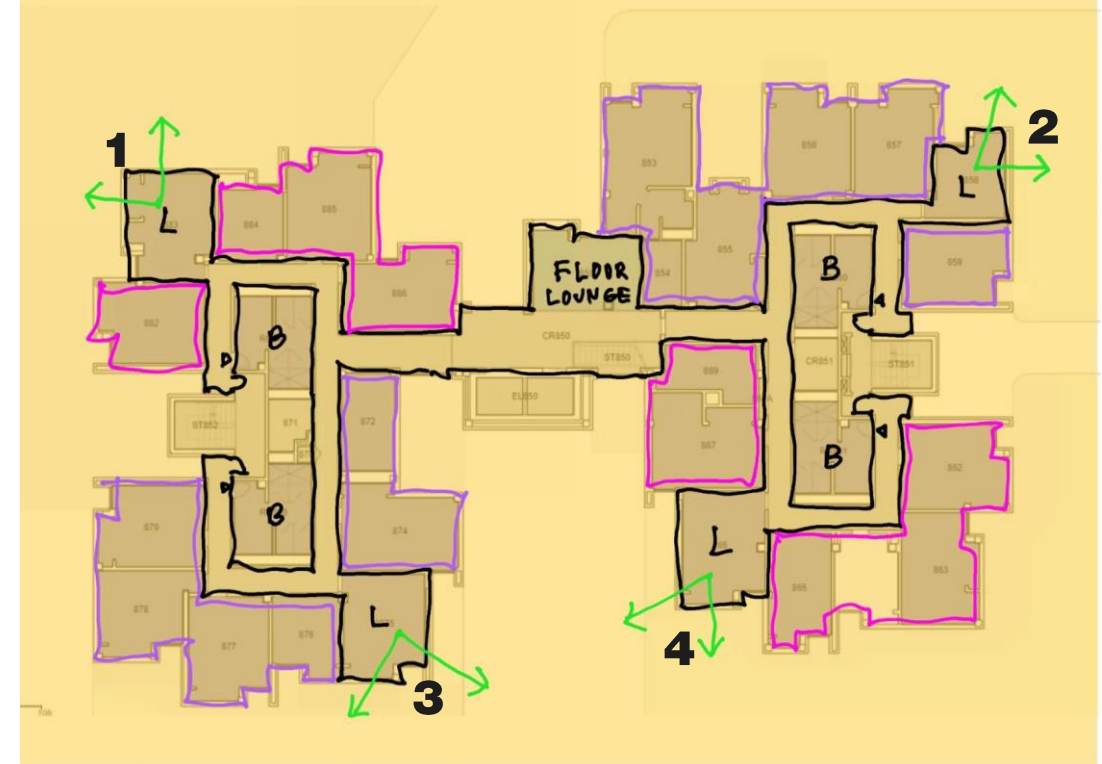


Williams Village Towers



Existing

- 4 residential scaled communities
- Limited orientation moments in hallways
- Limited social spaces
- Limited views



Proposal

- 4 new corner lounges
- Views provide connection to place and region
- Daylight reaches into corridors
- Reinforced communities
- 88 +/- bed loss / tower pair

**New windows at
new lounges**



Precedents - Renewal



Precedents - Renewal



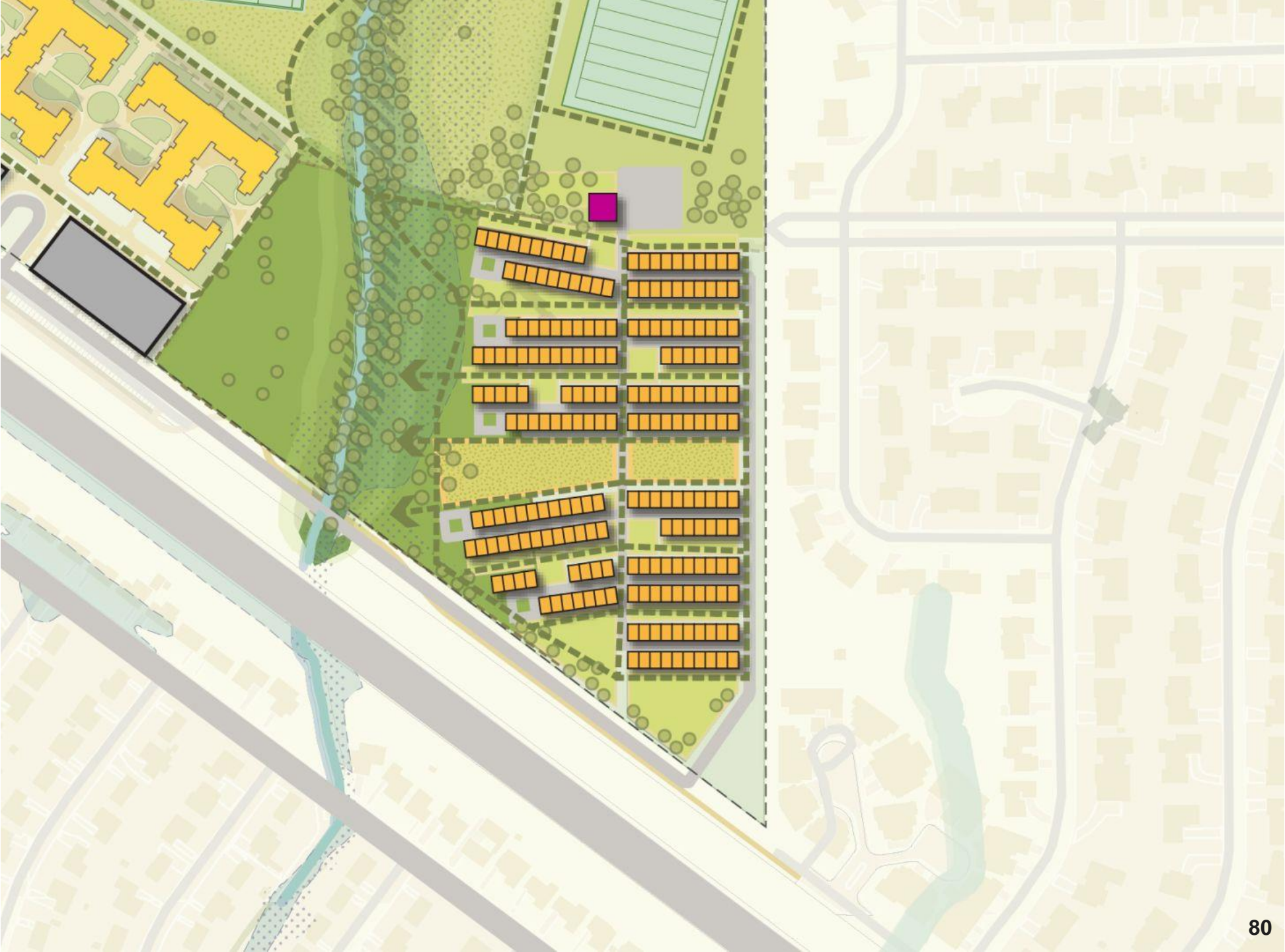
Precedents - Renewal



Precedents - Renewal



Williams Village Faculty Housing



- Traditional (Freshman)
- Townhome / Apartments (Faculty)
- Student Life

Faculty /Staff / Married Grads - Precedents

Apartments & Townhomes



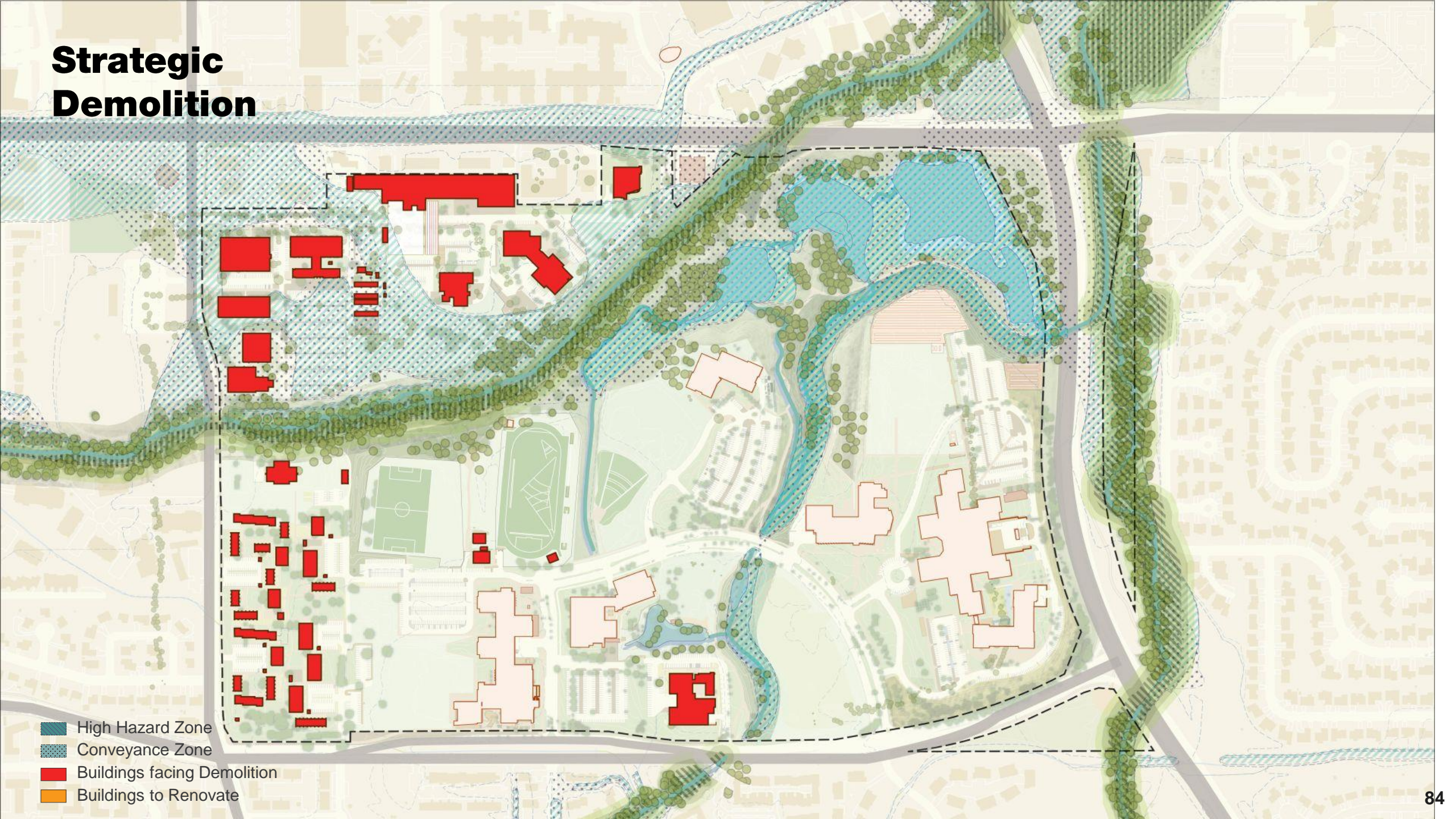
Faculty / Family Housing-Precedents

Apartments & Townhomes



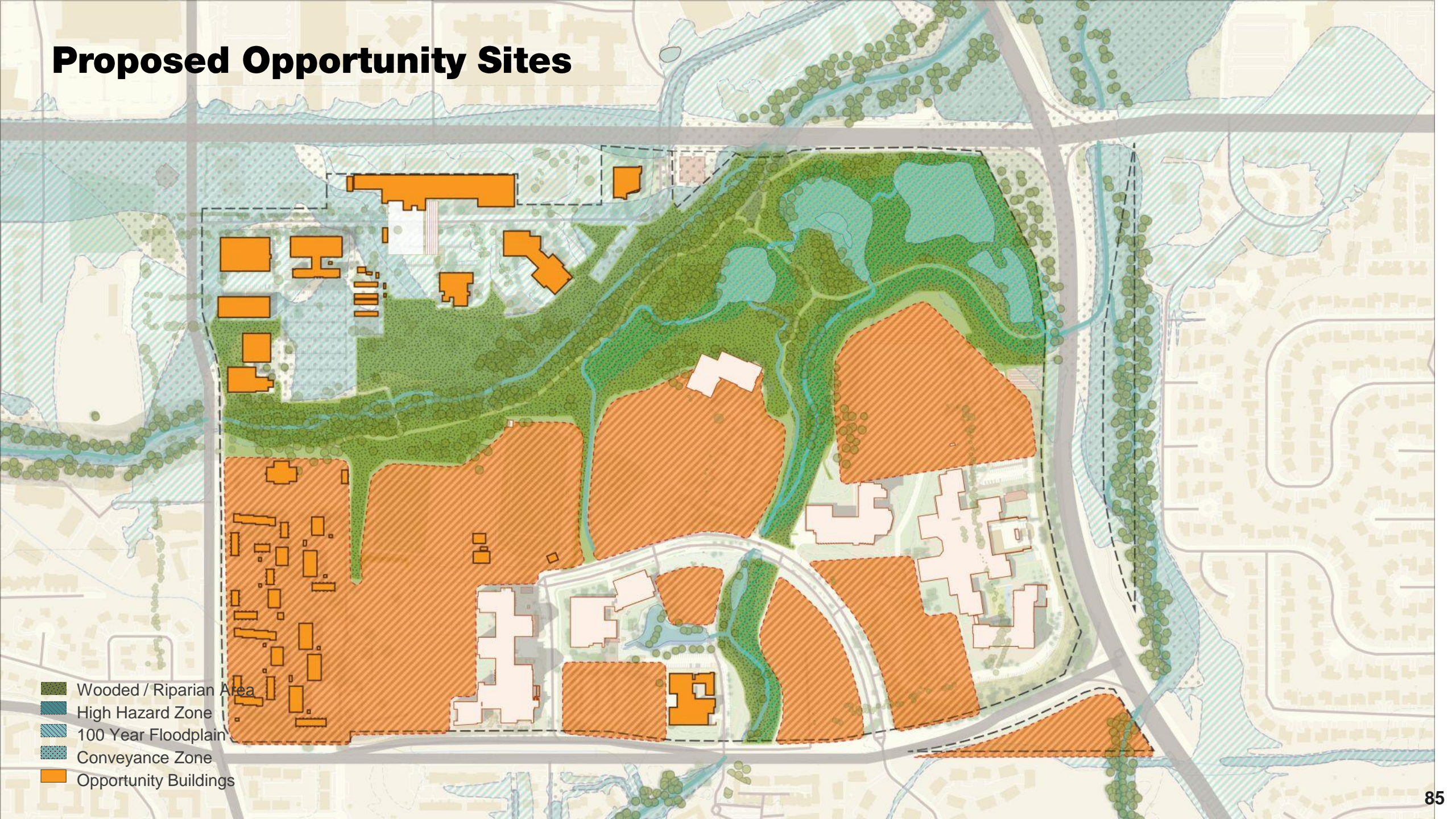
East Campus

Strategic Demolition



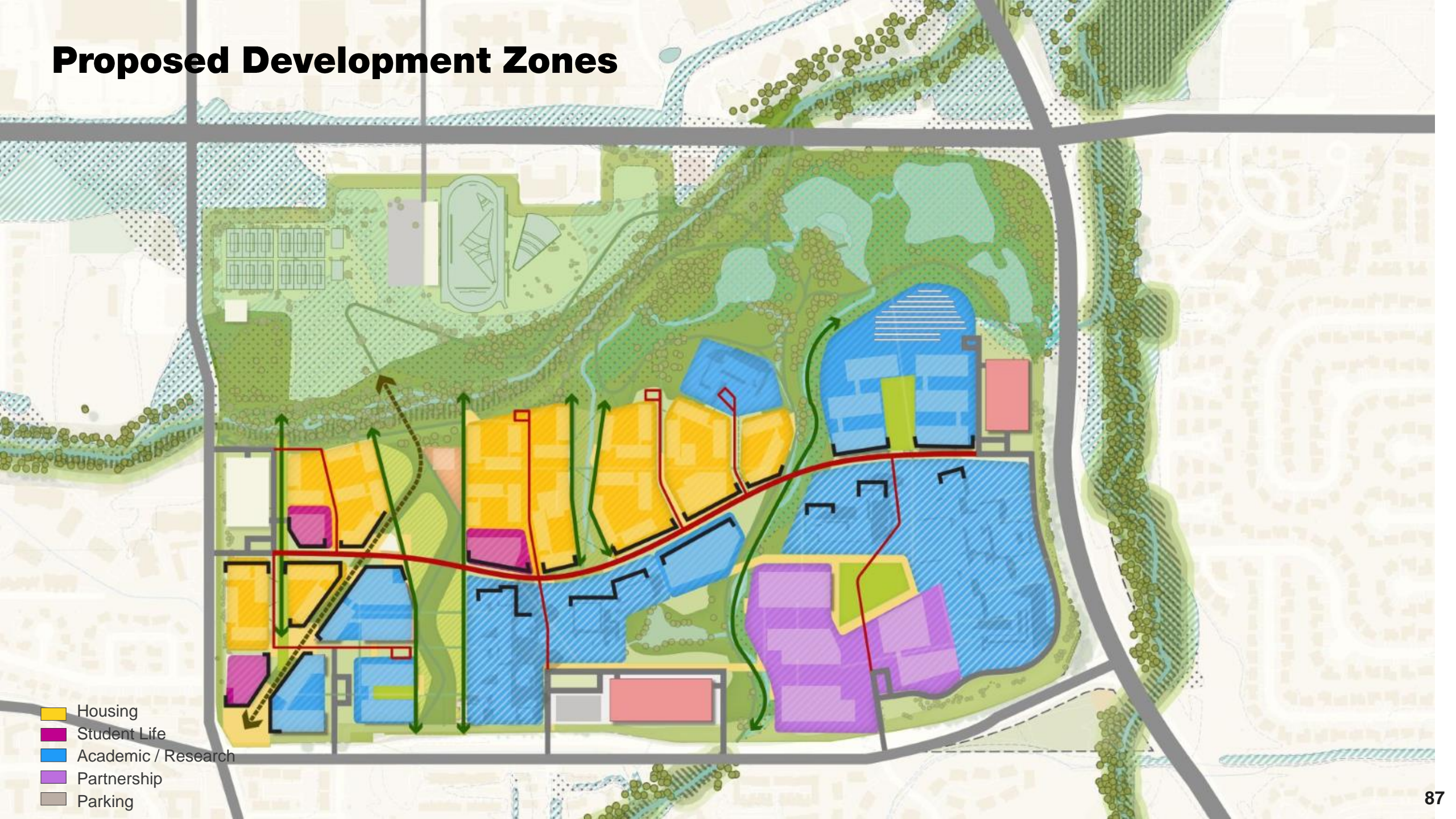
- High Hazard Zone
- Conveyance Zone
- Buildings facing Demolition
- Buildings to Renovate

Proposed Opportunity Sites



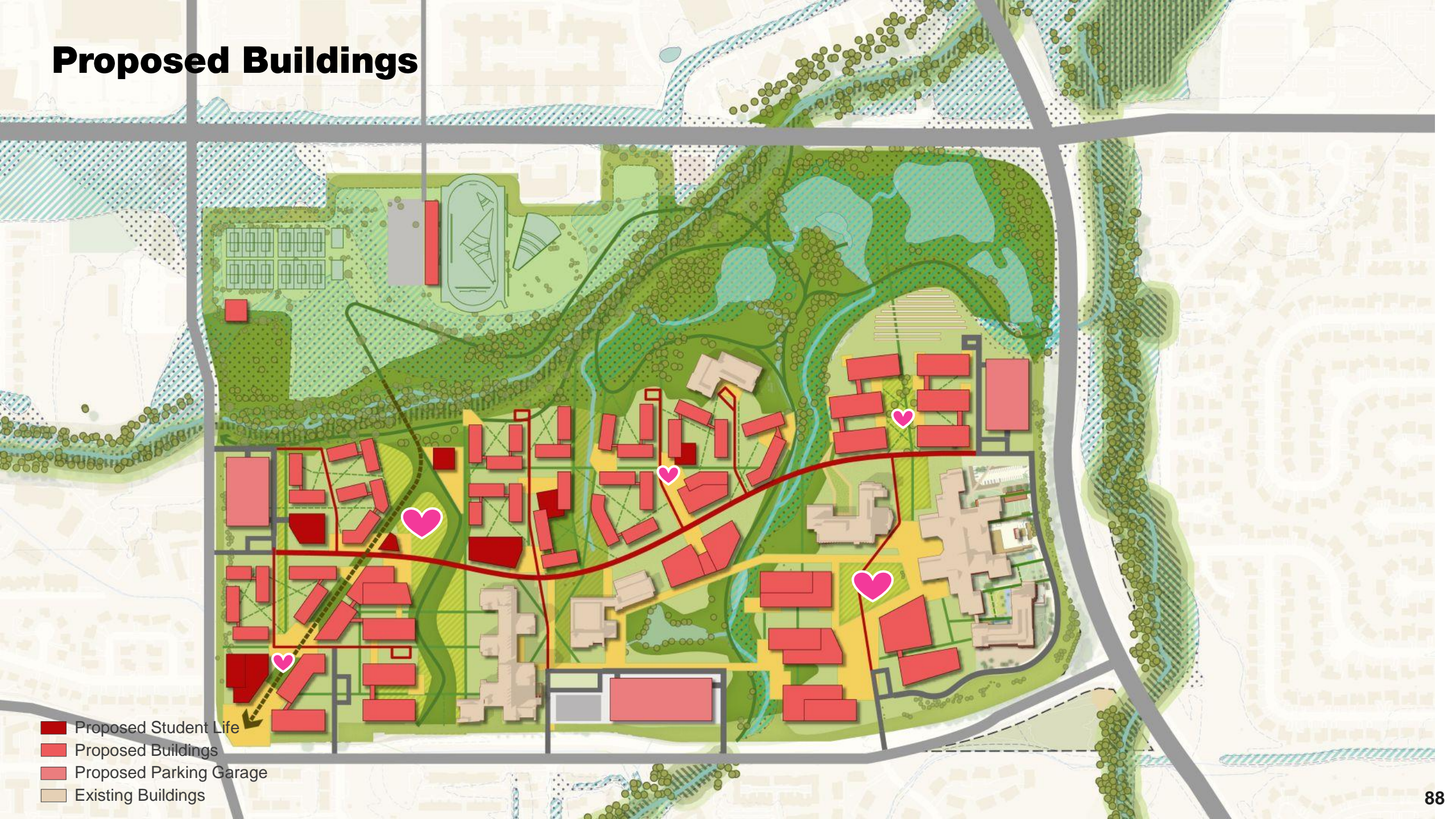
- Wooded / Riparian Area
- High Hazard Zone
- 100 Year Floodplain
- Conveyance Zone
- Opportunity Buildings

Proposed Development Zones



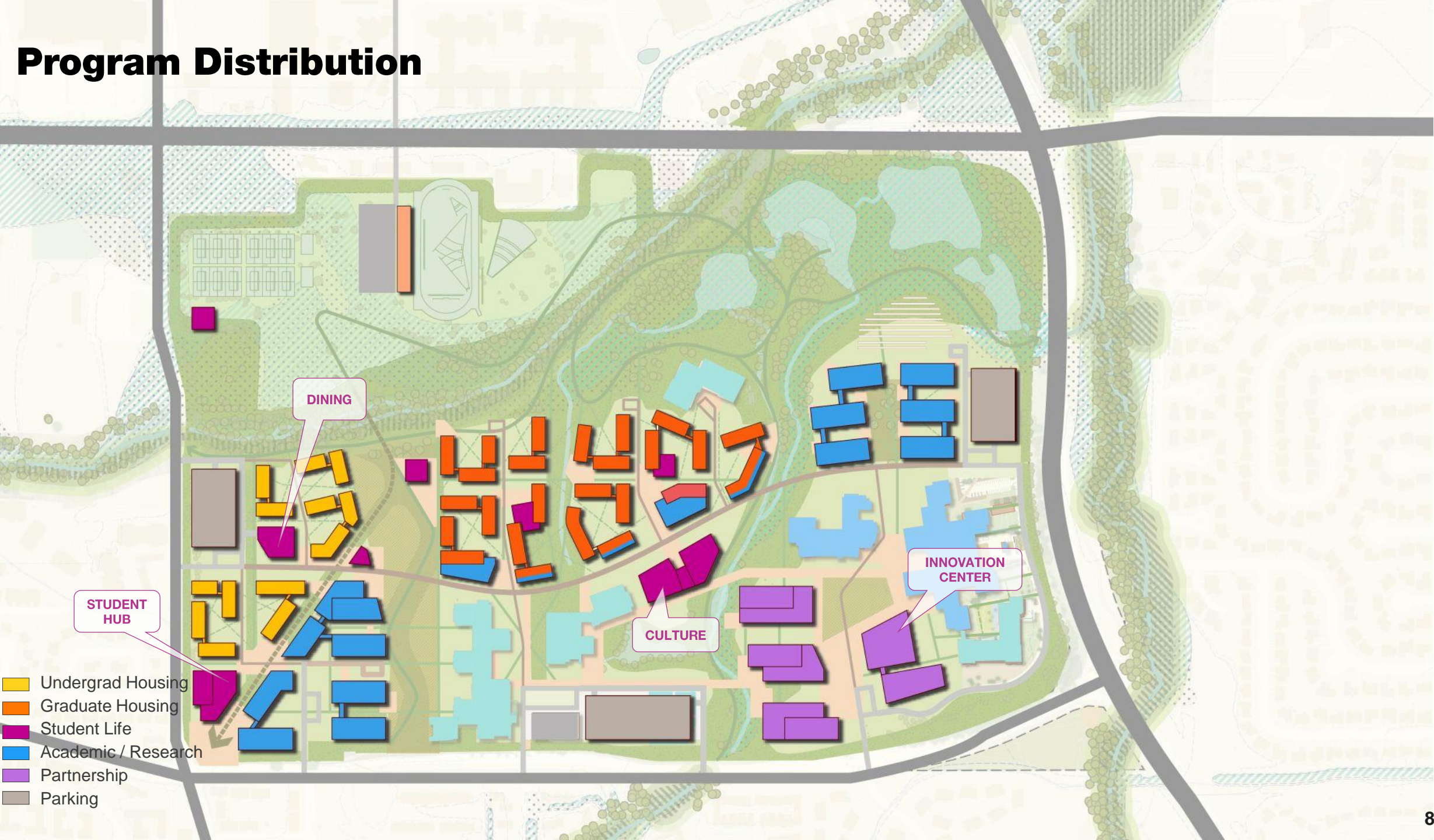
- Housing
- Student Life
- Academic / Research
- Partnership
- Parking

Proposed Buildings

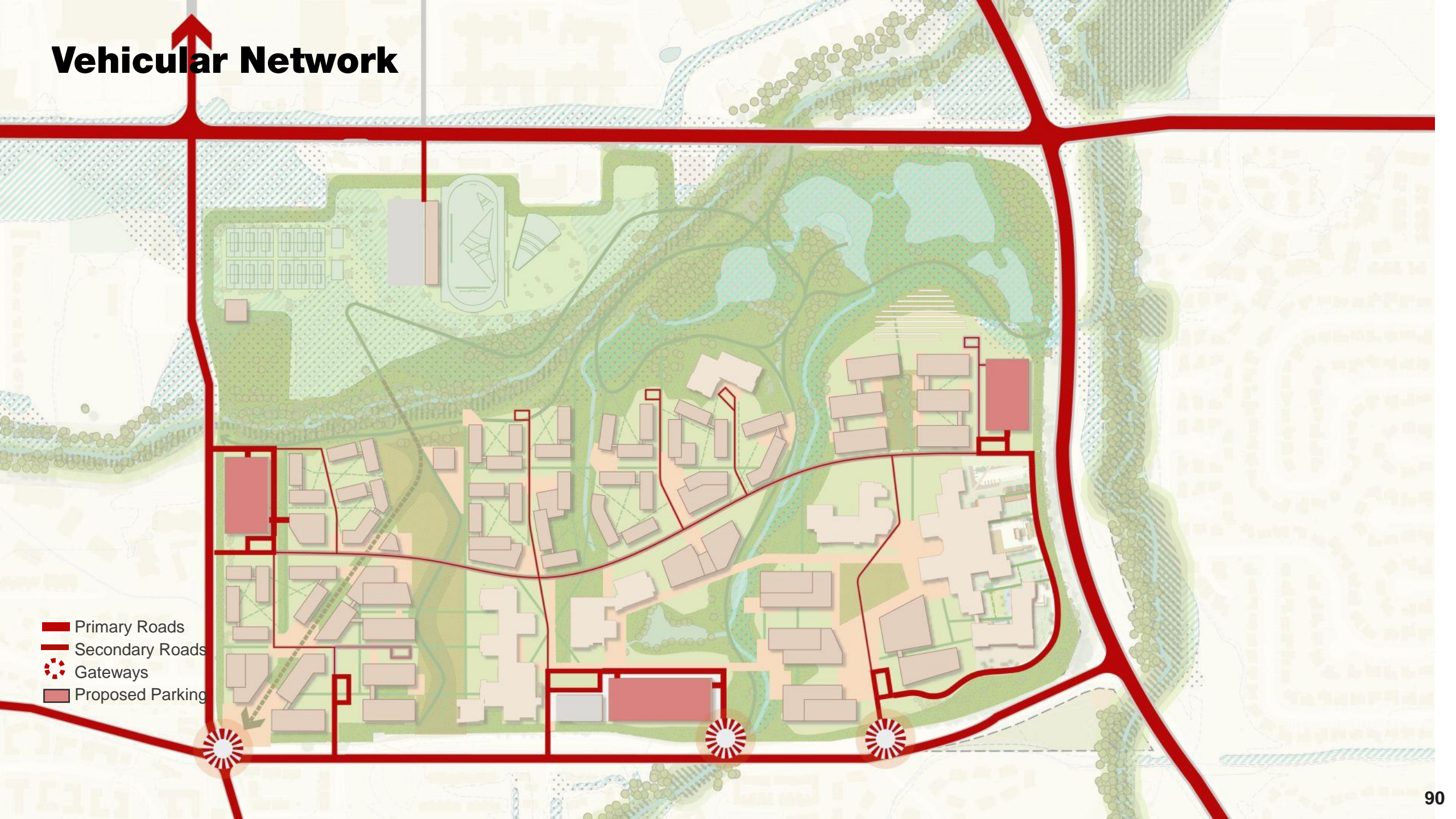


- Proposed Student Life
- Proposed Buildings
- Proposed Parking Garage
- Existing Buildings

Program Distribution



Vehicular Network



- Primary Roads
- Secondary Roads
- Gateways
- Proposed Parking

Graduate Housing-Precedents

Connections to nature



Graduate Housing-Precedents

Connections to nature



Graduate Housing-Precedents

Connections to nature



Landscape Strategies



Campus Landscape Precedents

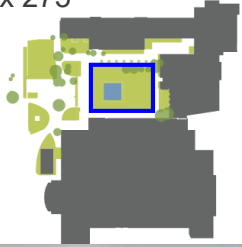
Creek Edges



Main Campus Landscapes & Open Spaces

Dalton Trumbo Fountain Court

.5 Acres
130' x 275'



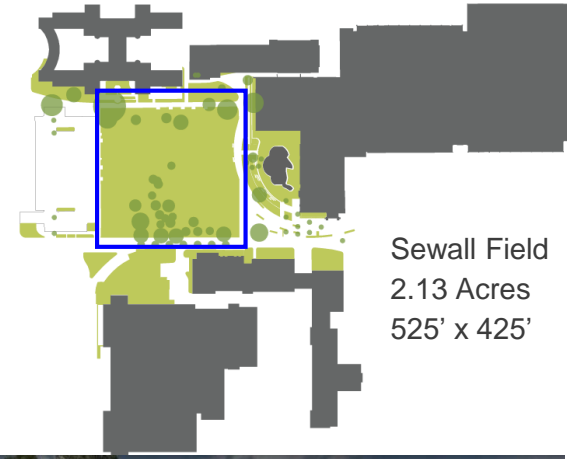
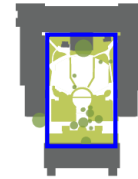
Baker Hall and Libby Hall

.54 Acres
310' x 80'



Mary Rippon Outdoor Theater

.31 Acres
150' x 210'

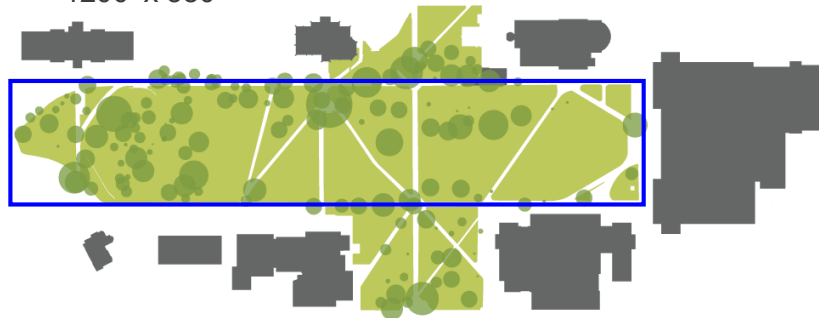


Sewall Field
2.13 Acres
525' x 425'



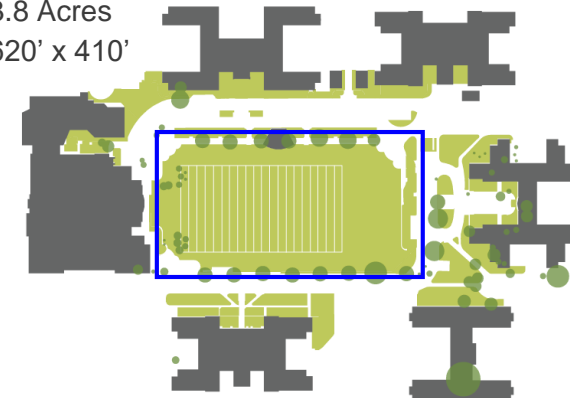
Norlin Quad

3.5 Acres
1200' x 580'



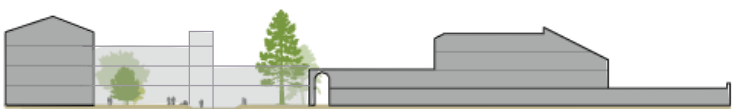
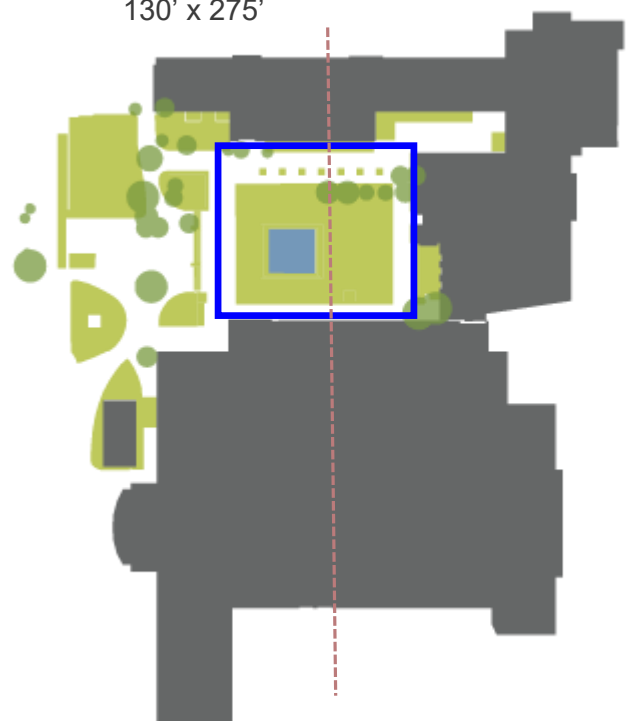
Farrand Field

3.8 Acres
620' x 410'



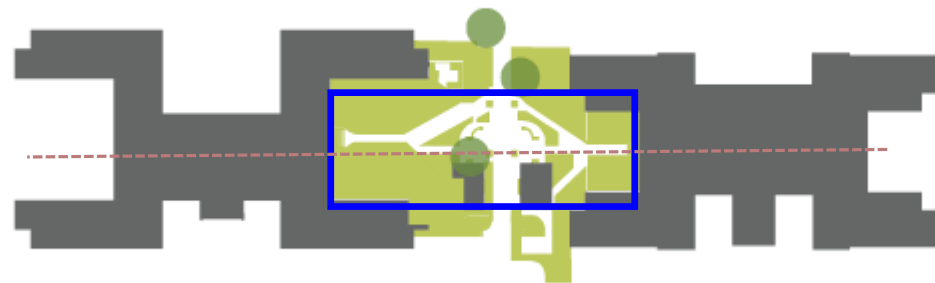
Main Campus Open Spaces Sectional Relationship to Surrounding Buildings

Dalton Trumbo Fountain Court
.5 Acres
130' x 275'



0 100'

Baker Hall and Libby Hall
.54 Acres
310' x 80'



0 100'

Sewall Field
2.13 Acres
525' x 425'



0 100'

Scale Comparisons



Campus Landscape Precedents

New Quads



Campus Landscape Precedents

Residential Courtyards



Campus Landscape Precedents

Interstitial Spaces



Campus Landscape Precedents

Linear Connections

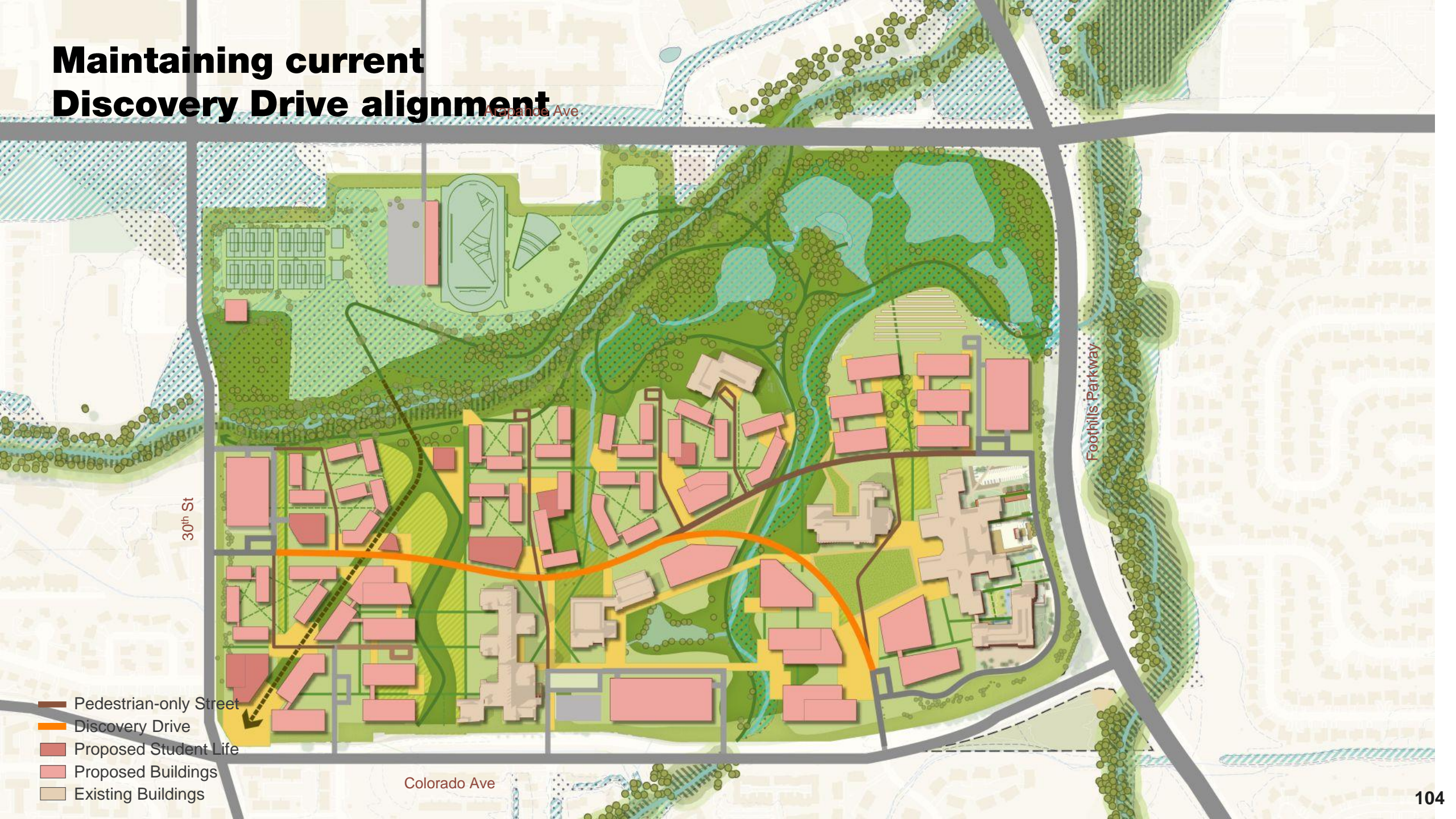


Campus Landscape Precedents

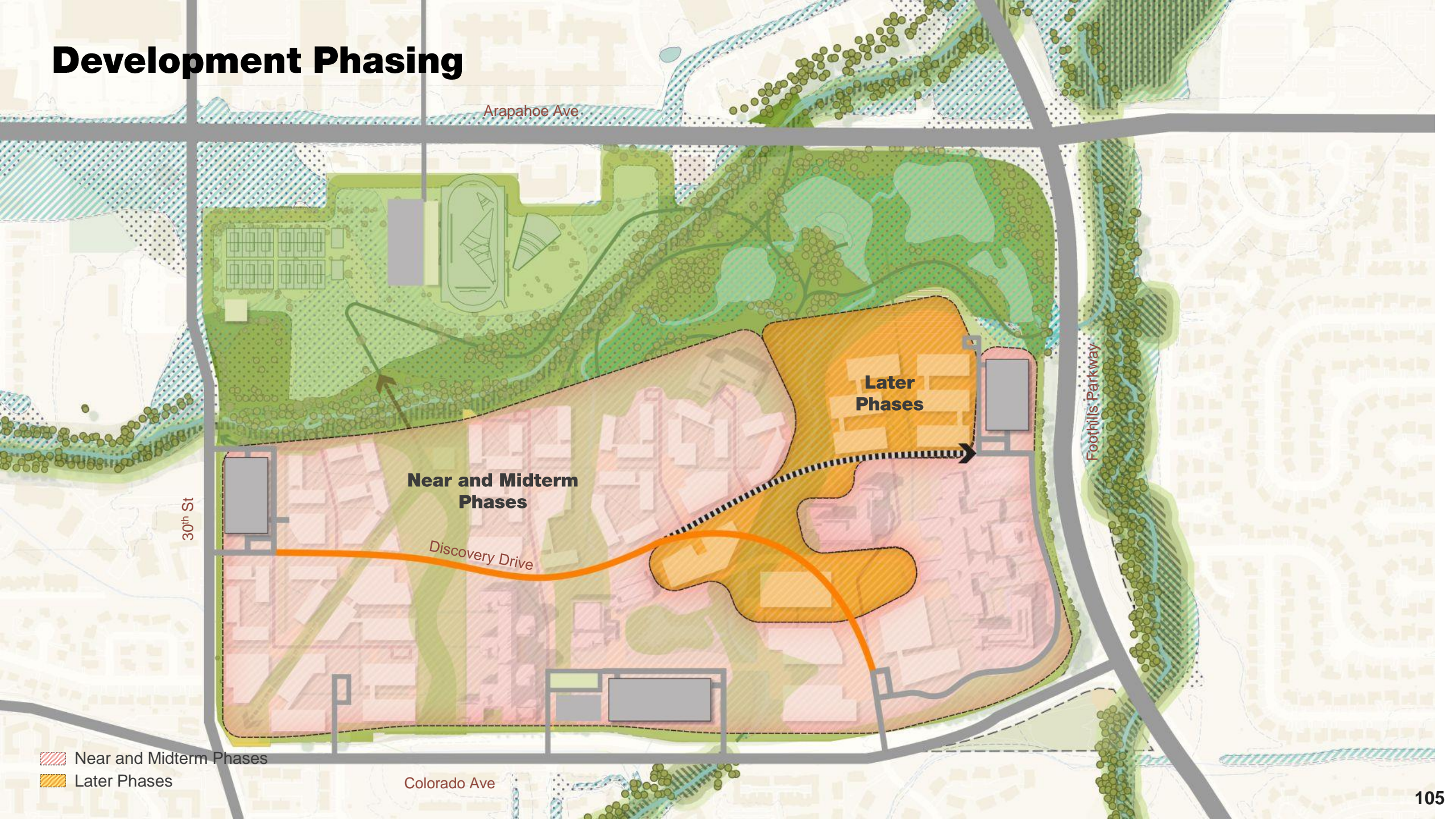
Shared Streets



Maintaining current Discovery Drive alignment

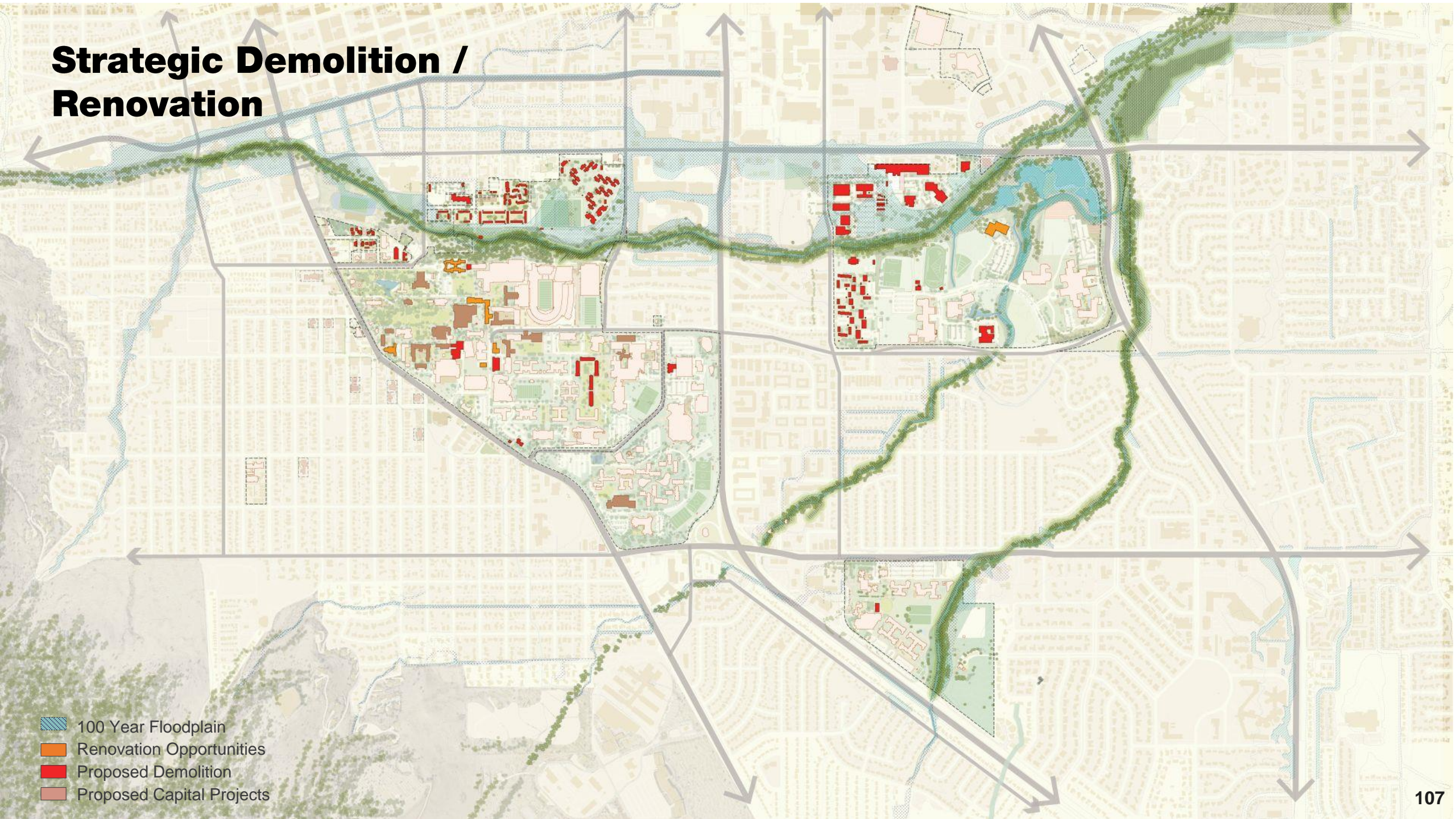


Development Phasing



The Campus System

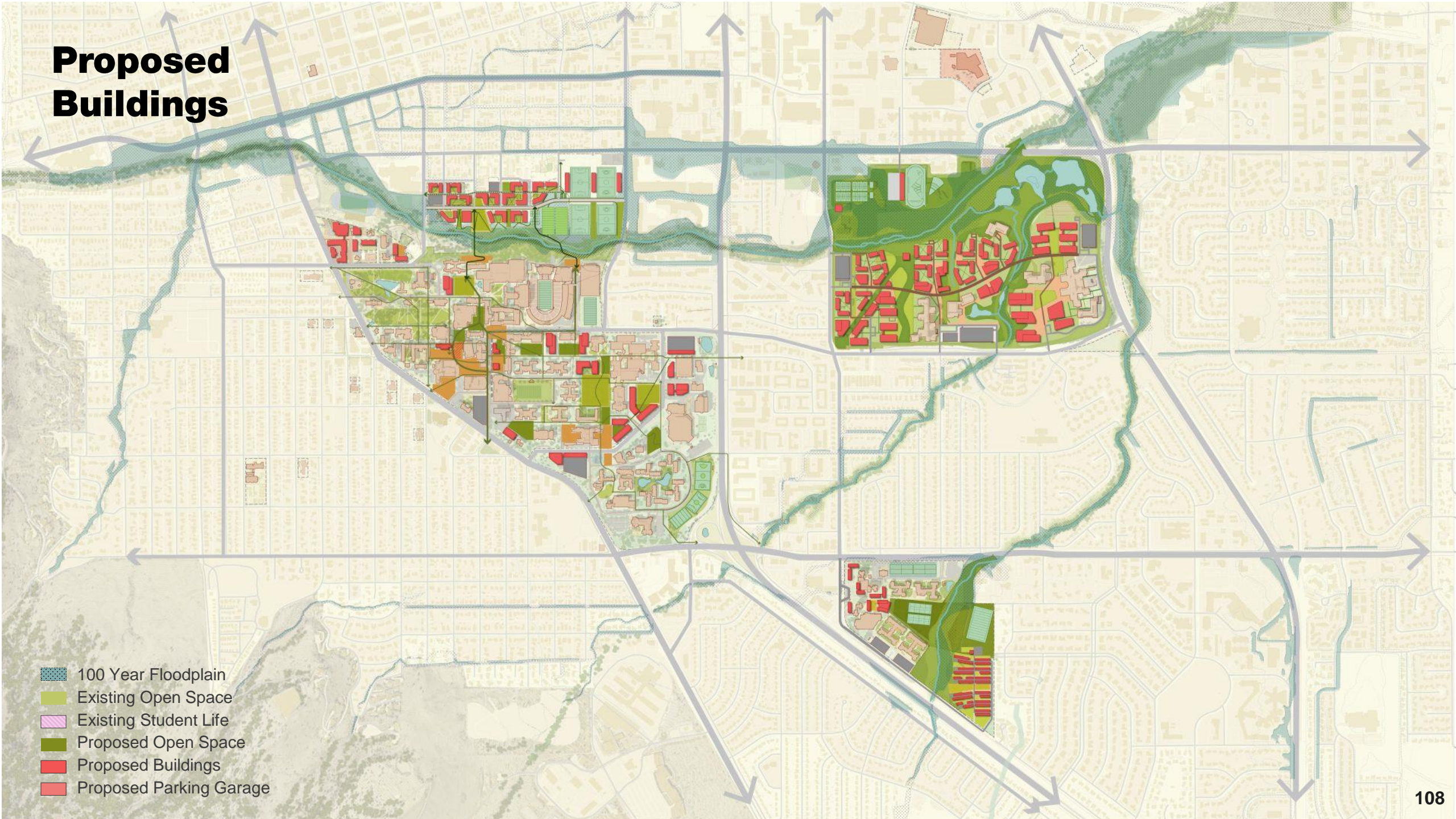
Strategic Demolition / Renovation



- 100 Year Floodplain
- Renovation Opportunities
- Proposed Demolition
- Proposed Capital Projects

Proposed Buildings

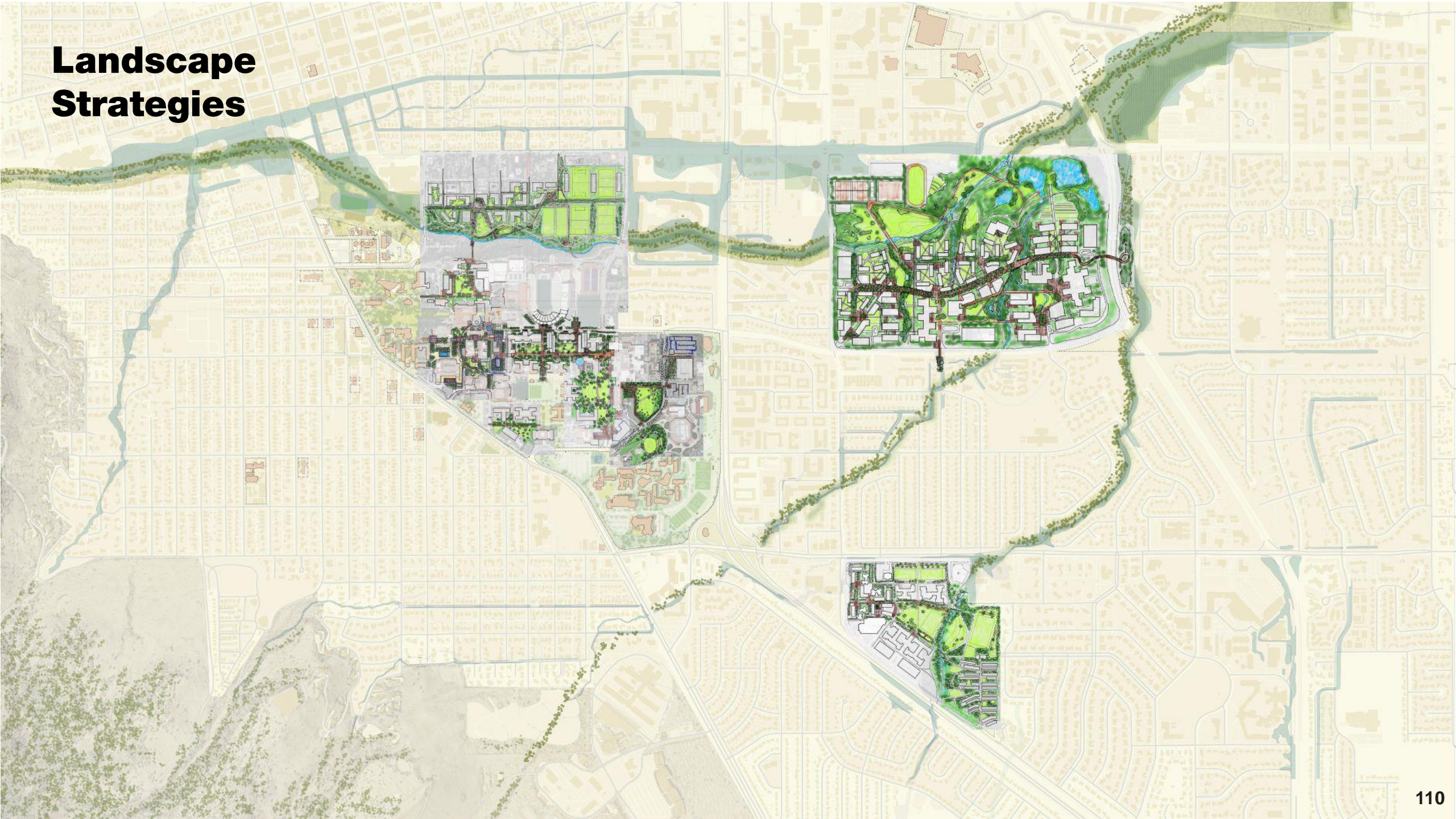
- 100 Year Floodplain
- Existing Open Space
- Existing Student Life
- Proposed Open Space
- Proposed Buildings
- Proposed Parking Garage



Program Distribution

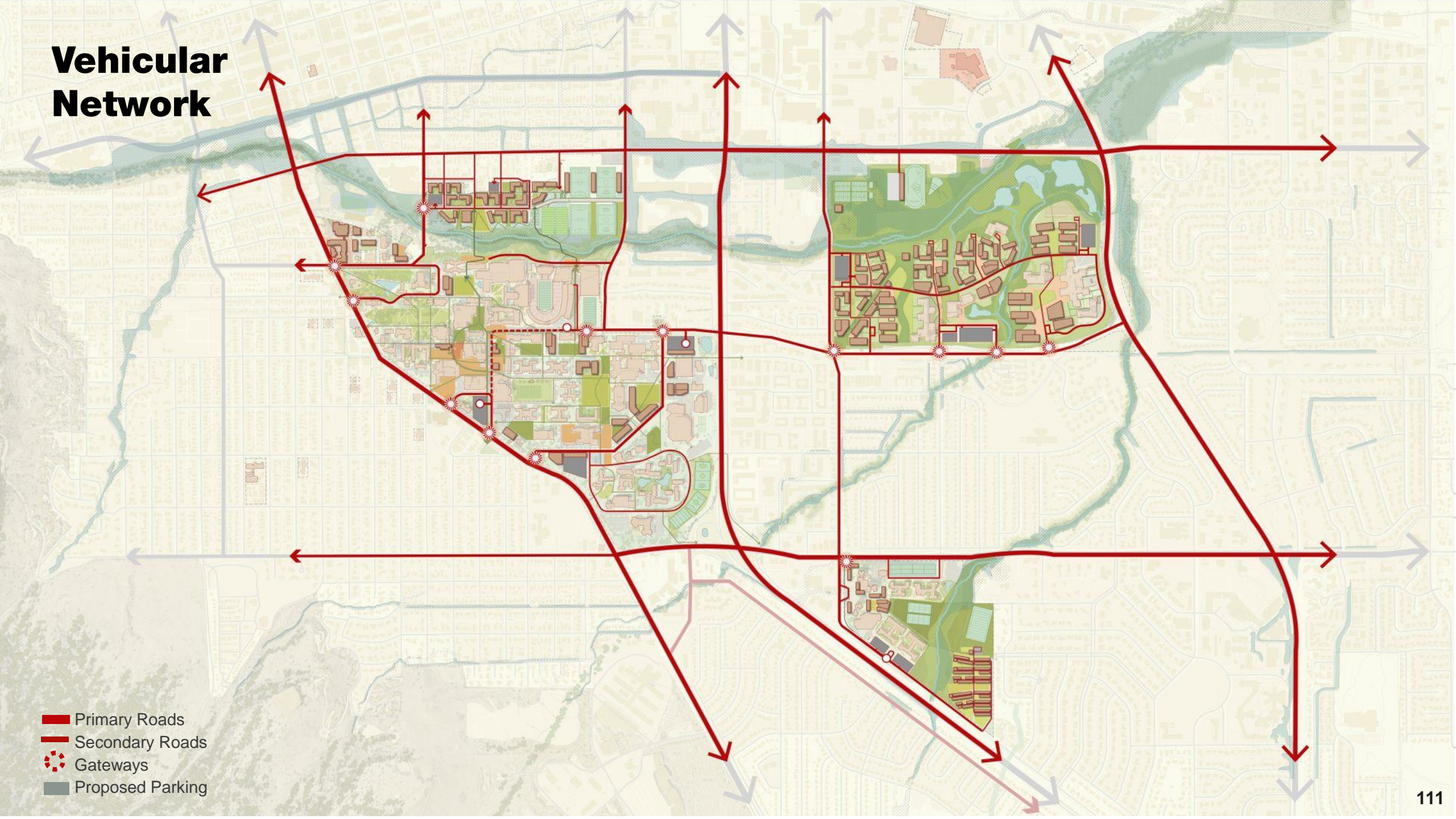
- Traditional (Freshman)
- Semi-Suites (Sophomores)
- Apartments (Graduate Students)
- Townhome / Apartments (Faculty)
- Administration
- Athletics
- Student Life
- Academic / Research
- Partnership
- Parking

Landscape Strategies



Vehicular Network

- Primary Roads
- Secondary Roads
- Gateways
- Proposed Parking



Thank you