

# California State Polytechnic University, Pomona Master Plan Update

## President's Cabinet Update



4 February 2019



# AGENDA

4 February 2019

- 1) Master planning process and schedule to completion
- 2) Draft Plan: campus wide concepts
  - *campus entry from i-10 to route traffic around the campus*
  - *extended pedestrian zones and bike routes*
  - *on-campus transit with shuttles + transit center*
  - *parking needs, projections and demand management strategies*
- 3) Draft Plan: specific area or facility studies
  - *academic space:*
    - *utilization analysis findings, Fall 2017 to Fall 2018*
    - *opportunities for hubs, shared space and new/replacement bldgs.*
    - *Bldg #98-CLA studies (in progress)*
  - *student life:*
    - *housing phase 2-3*
    - *Child Care Center relocation*
    - *Health-Wellness Center relocation*
    - *BSC studies, including seating+ shade (in progress)*
  - *Innovation Village*
- 4) Next Steps

OBSERVE + COLLECT

ASSESS + STRATEGIZE

INVESTIGATE + SYNTHESIZE + ENVISION

DRAFT + SUBMIT FOR CEQA

FINALIZE + APPROVE

2017

2018

2019

MAY JUNE - JULY - AUG SEPTEMBER OCTOBER NOVEMBER DECEMBER JANUARY FEBRUARY MARCH APRIL MAY JUNE - JULY - AUG SEPTEMBER OCTOBER NOVEMBER

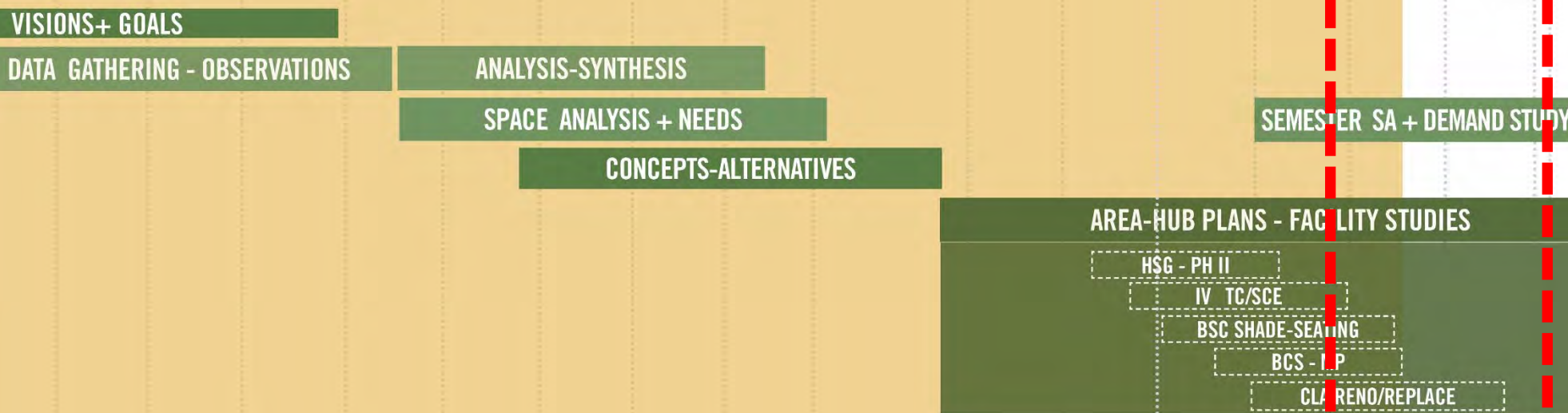
COMMUNITY ENGAGEMENT



CPP LEADERSHIP ENGAGEMENT



PHASES-TASKS



CEQA 12 MO PROCESS

CPP CAMPUS ENGAGEMENT



FINAL MP ADOPTED 2020

DATA:

- SCOPE REV
- DATA REQS
- COLLECTION

WORKSHOP 1 KICKOFF

- GOALS
- VISIONS
- STRATEGIC NEXUS
- CRITICAL ISSUES
- SPACE: -DATA -CONCERNS

WORKSHOP 2 ANALYSIS

- OBSERVATIONS
- CONDITIONS ANALYSIS
- CONNECTIVITY
- PLAN/CONCEPT FRAMEWORK
- SPACE USE- ANOMALIES

WORKSHOP 3 ANALYSIS/ CONCEPTS

- STRATEGIC INITIATIVES
- PLAN THEMES + PRINCIPLES
- INFRASTRUCTURE -SUSTAINABILITY

WORKSHOP 4 CONCEPTS/ALTS

- PLAN PRINCIPLES
- GROWTH/DEV ALTERNATIVES
- CAMPUS-WIDE IMPROVEMENTS
- SPACE ANALYSIS
- AREA/HUBS IDENTIFIED

ADVISORY COMMITTEE UPDATE

9/9

WORKSHOP 5 HUB/AREA PLANS

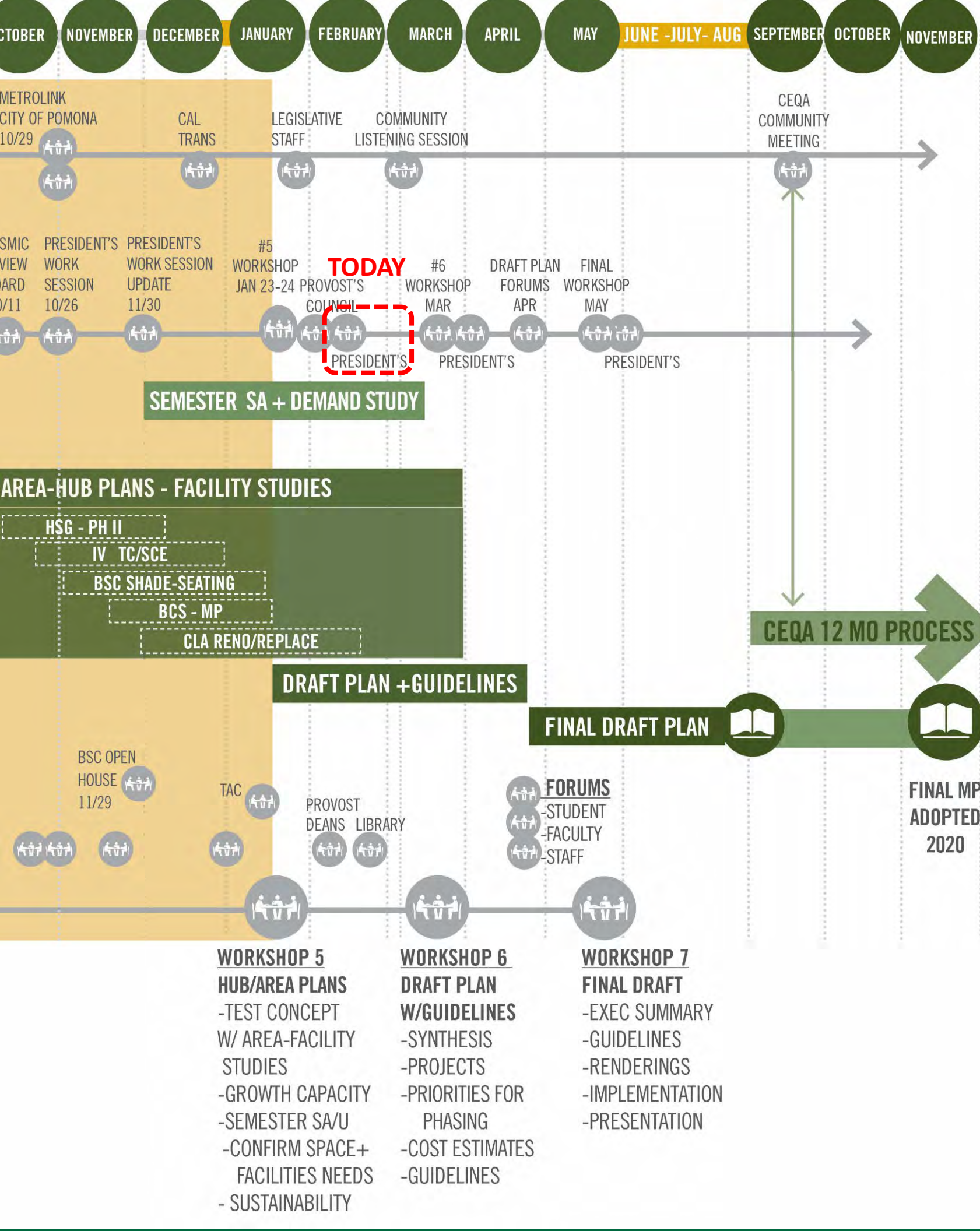
- TEST CONCEPT W/ AREA-FACILITY STUDIES
- GROWTH CAPACITY
- SEMESTER SA/U
- CONFIRM SPACE+ FACILITIES NEEDS
- SUSTAINABILITY

WORKSHOP 6 DRAFT PLAN W/GUIDELINES

- SYNTHESIS PROJECTS
- PRIORITIES FOR PHASING
- COST ESTIMATES
- GUIDELINES

WORKSHOP 7 FINAL DRAFT

- EXEC SUMMARY
- GUIDELINES
- RENDERINGS
- IMPLEMENTATION
- PRESENTATION



## Just Completed:

### Workshop #5: HUB/Area/Facilities Studies- 1/23-24

Focus Sessions:

*Transportation (TAC)*

*Space findings review*

President's Cabinet Update – 2/4/2019

## Coming up Next:

*Stakeholders: Library, BSC*

*Update to Provost's Council*

*Legislative staff briefing*

*Community Listening Session*

### Workshop #6: Draft Plan – March

Focus Sessions: *Phasing, Guidelines + Sustainability, Semester Space Utilization*

### Campus Forums on Draft Plan – April

*Sessions: students, faculty/staff*

### Final Draft Plan to MP Advisory Committee - May

Summer 2019: *final plan + start CEQA EIR*

Final Master Plan 2020: *CSU approval est late 2020*

# Five Themes

emerged from stakeholder engagement + CPP Strategic-Academic plans

1

## Student Experience Above All

All decisions put student experience at the forefront, from physical facilities and accessibility (*including the online environment*) to Cal Poly Pomona programs and policies.

2

## Polytechnic Approach

The campus is a laboratory which supports teaching and learning by doing, inside and outside of the traditional educational settings.

3

## Connectivity is Key

Connectivity is key to orientation/wayfinding and ease of circulation for a safe, inclusive and universally accessible campus.

4

## Pedestrian Campus in a Commuter Reality

Campus has to be safe, accessible and convenient (*by multiple modes of transportation*), and walkable - bikeable for all students, faculty, staff and visitors.

5

## Sustainable in All Aspects

Decisions must be sustainable environmentally, economically, socially and consistent with Cal Poly's values, commitments, goals.

# Campus-wide systems

## Concepts to Draft Plan

# Synthesis + Study-Analysis

- **Campus Entry-Gateways** – Kellogg entrance from I-10 modified to route traffic around the campus
- **Pedestrian/bike way** - extend north to University + across South Campus Dr
- **Campus Transit** – dedicated lane for shuttle bus loop on University, transit ‘hub’
- **Transit Center/Hub Options** – connect to routes on Temple, South Campus Dr and I-10
- **Parking:** new structure locations, projections for current/future needs, demand management strategies

Address:

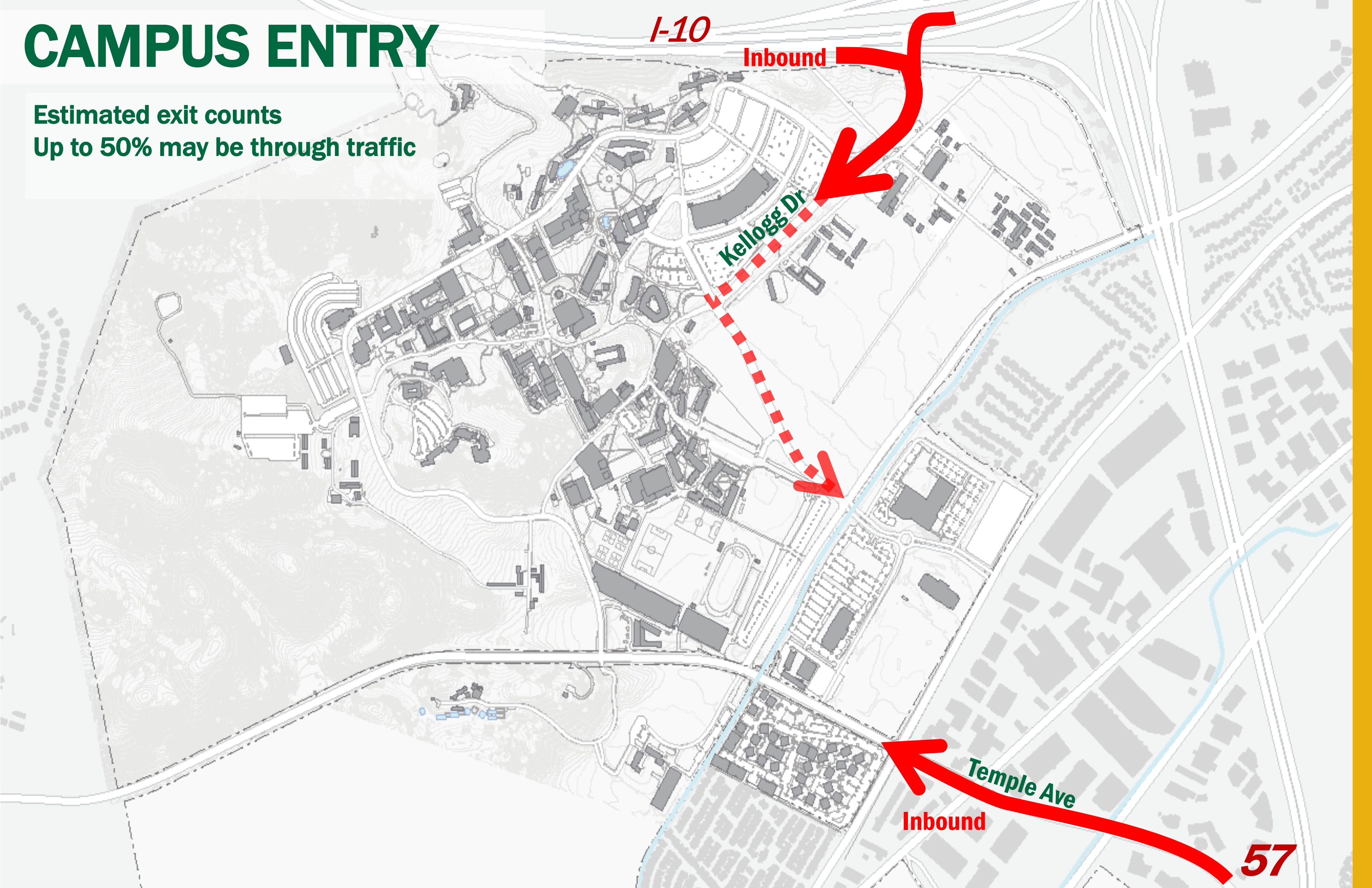
# MOBILITY AREAS OF STUDY

- ✓ I-10 exit reconfiguration to reduce through traffic
- ✓ Expand the pedestrian zone with improved pedestrian malls/walks
- ✓ Enhance pedestrian safety
- ✓ Enhance bike connectivity
- ✓ Improve on-campus transit (*get the bus out of traffic*)
- ✓ Provide better regional transit connections



# CAMPUS ENTRY

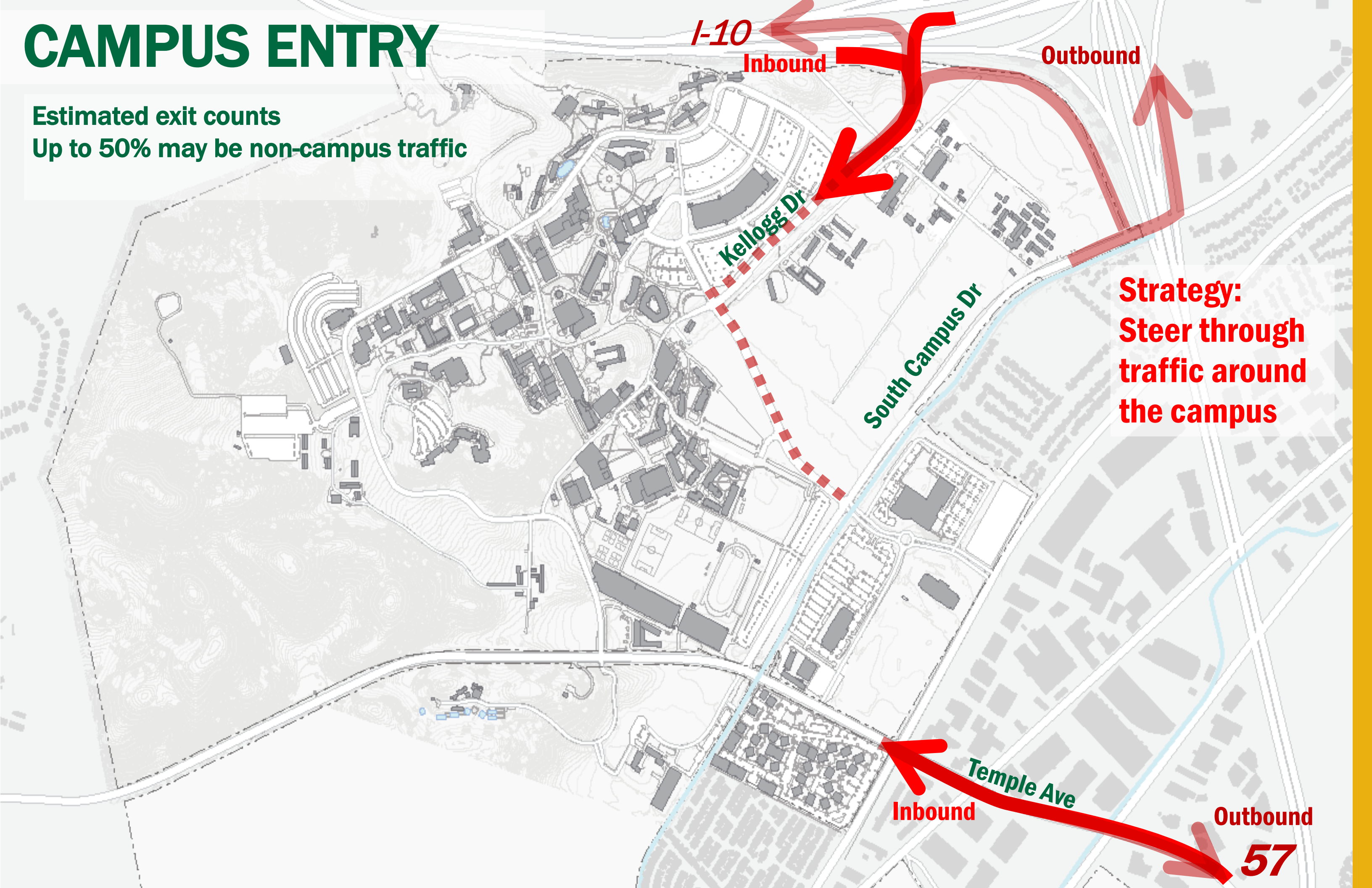
Estimated exit counts  
Up to 50% may be through traffic





# CAMPUS ENTRY

Estimated exit counts  
Up to 50% may be non-campus traffic



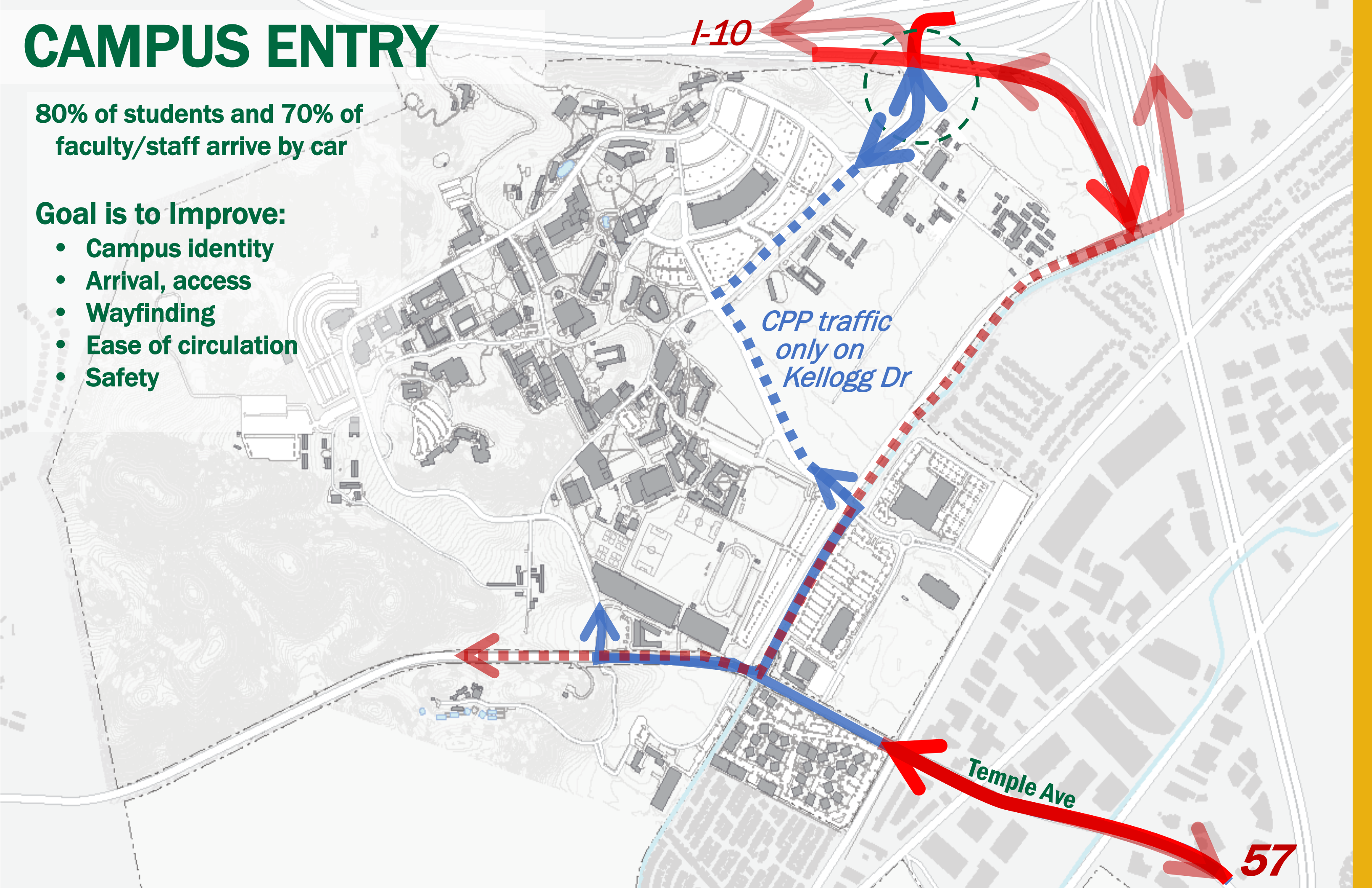
**Strategy:**  
Steer through  
traffic around  
the campus

# CAMPUS ENTRY

80% of students and 70% of faculty/staff arrive by car

## Goal is to Improve:

- Campus identity
- Arrival, access
- Wayfinding
- Ease of circulation
- Safety



# CHP BALDWIN PARK FACILITY

I-10

Change intersection to a 4 way stop

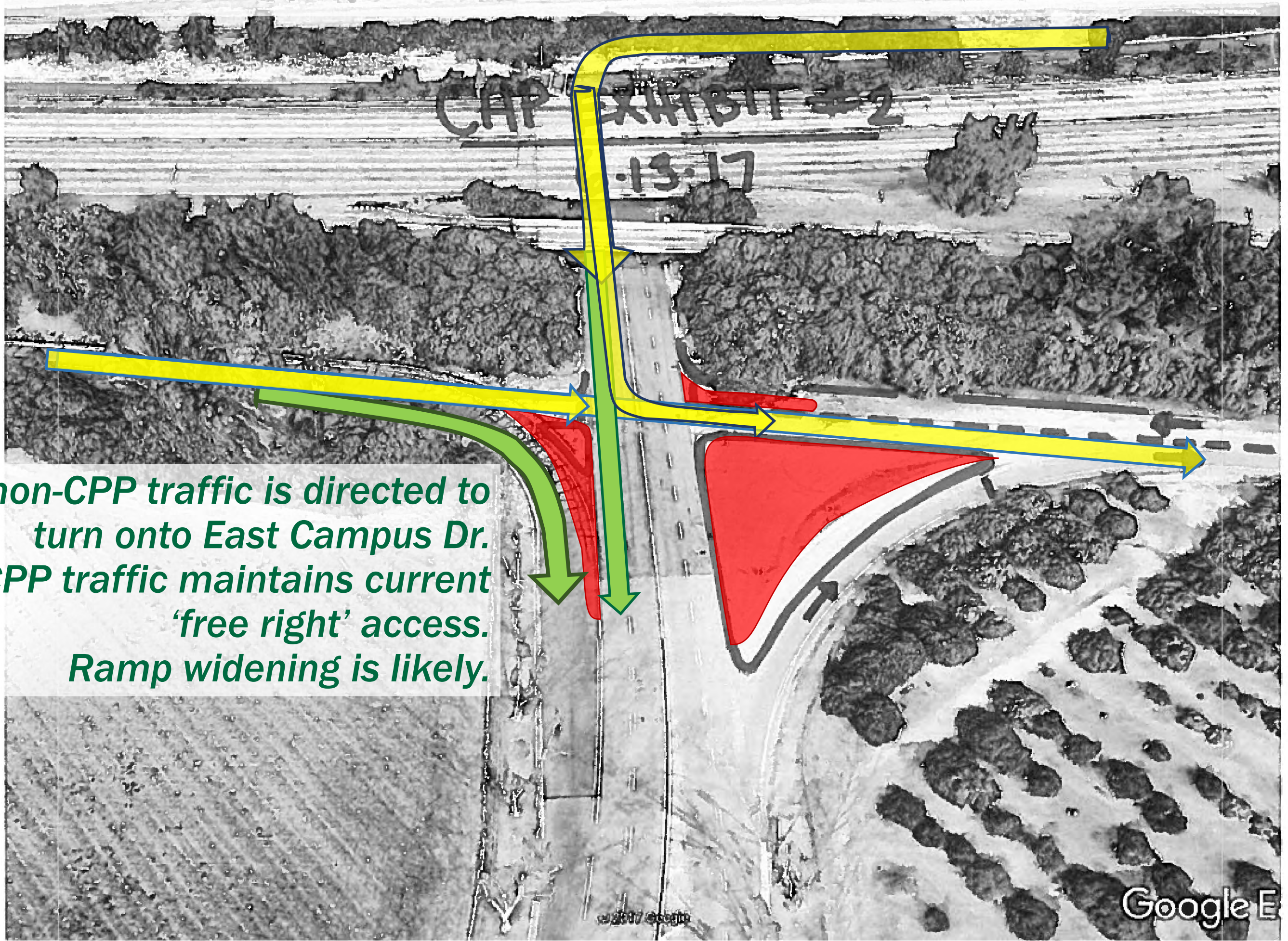
East Campus Drive (2 way)

CHP

## CHP Baldwin Park Facility:

- 2020 start construction, open 2022
- Two-way access on East Campus Dr
- May need turn lane expansion on South Campus Dr
- \$1M budget to support street improvements

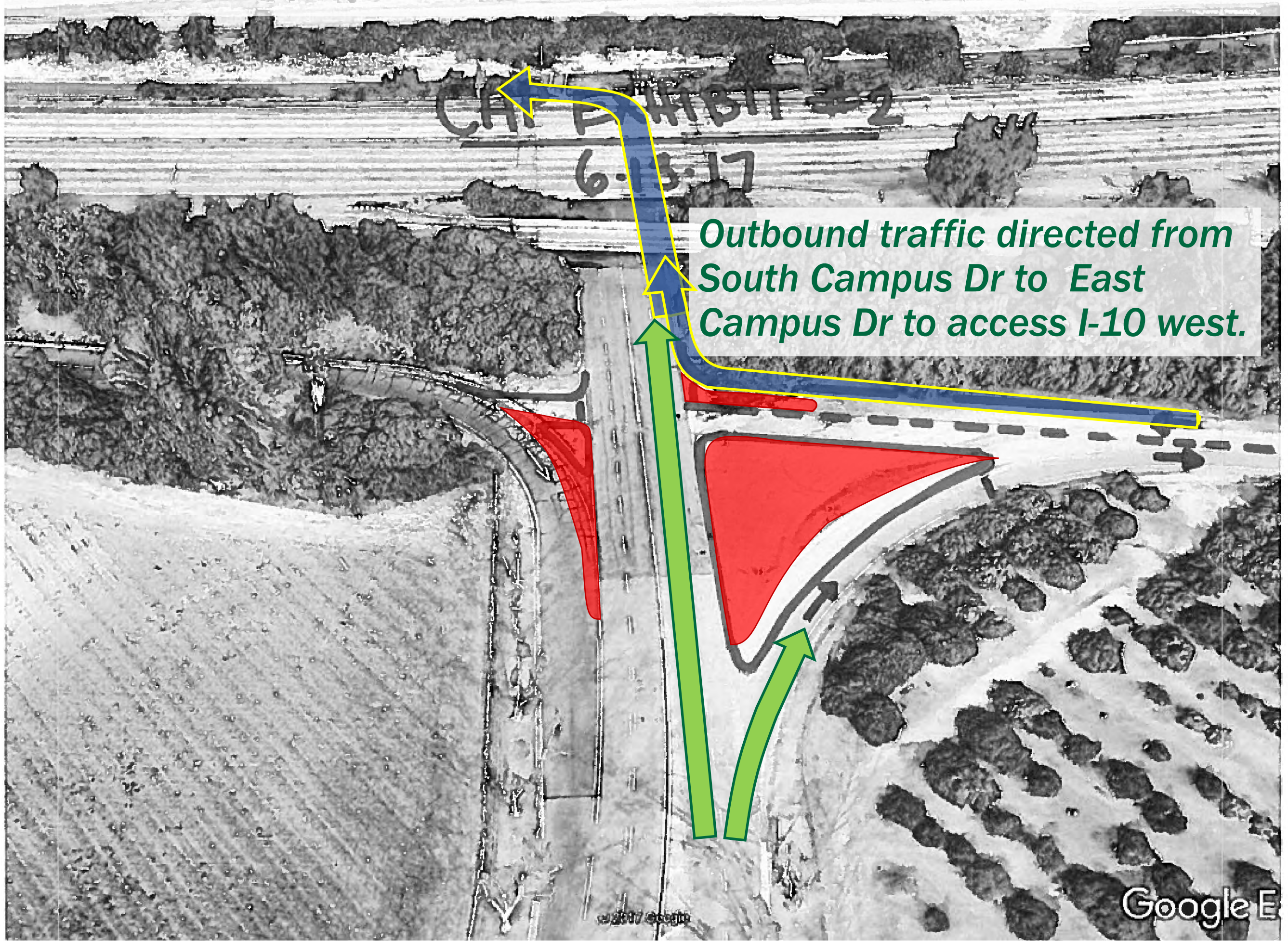
# EAST CAMPUS TWO-WAY OPTION: *inbound traffic*



*Inbound non-CPP traffic is directed to turn onto East Campus Dr. Inbound CPP traffic maintains current 'free right' access. Ramp widening is likely.*

-  Traffic island
-  Thru traffic
-  CPP traffic

# EAST CAMPUS TWO-WAY OPTION: *OUTBOUND TRAFFIC*

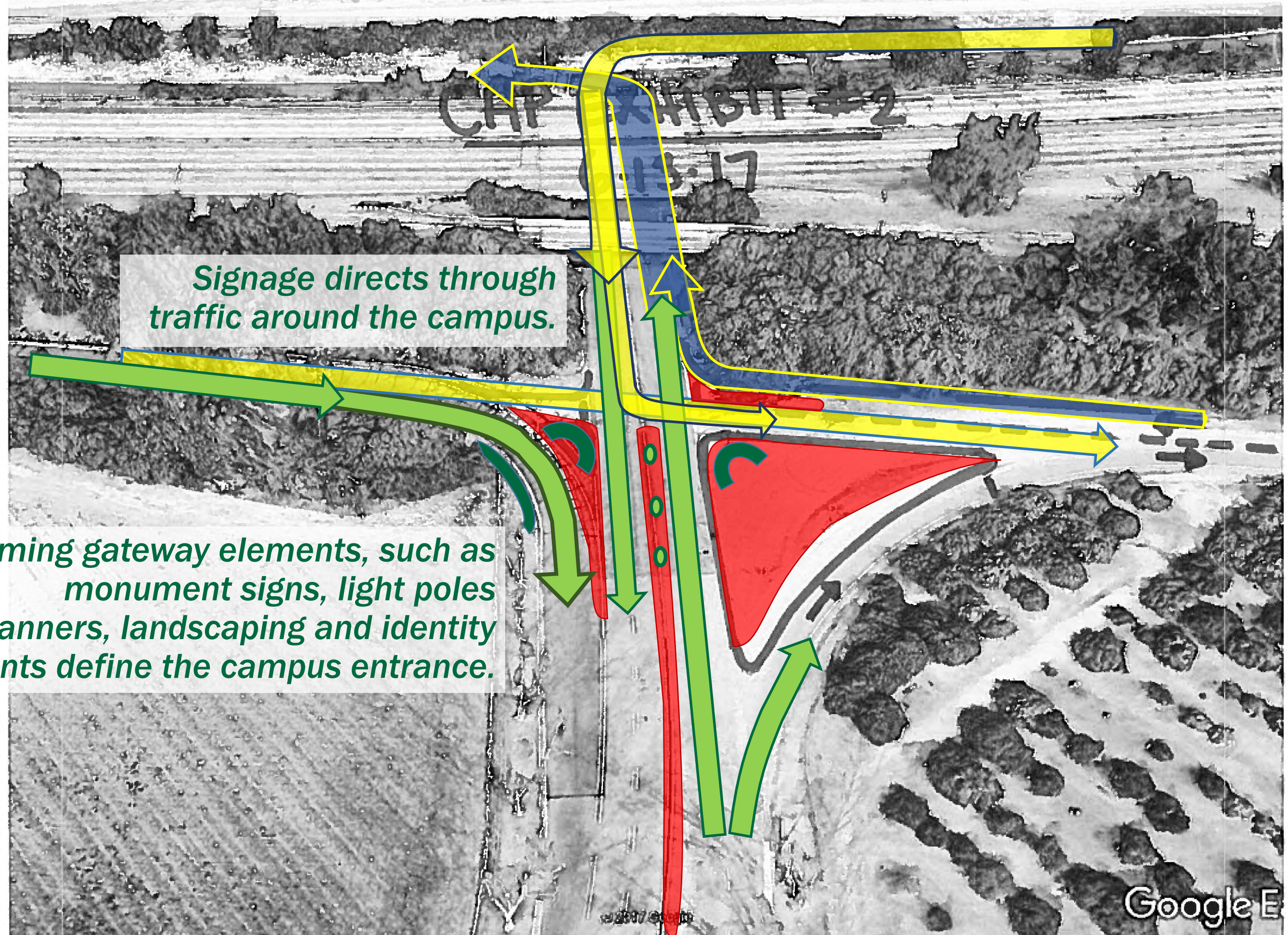


CAMP TRIP #2  
6-13-17

Outbound traffic directed from South Campus Dr to East Campus Dr to access I-10 west.

- Traffic island
- Thru traffic
- CPP traffic

# EAST CAMPUS TWO-WAY OPTION - *GATEWAY ELEMENTS*



# Caltrans District 7 on I-10 Kellogg Dr. Exit

Tuesday December 18, 2018

10:00 a.m. – 11:30 a.m.

Caltrans District 7 Headquarters

## Attending:

### Cal Poly Pomona:

*Dan Johnson, Interim AVP, Facilities Planning & Management*

*Julie Tsang, University Planner*

*John Lloyd, Chair of Transportation Advisory Committee*

*Frances Teves, Exec Dir of Government & Community Relations*

*Joshua Maher, Assist Dir of Government & Community Relations*

### CPP Campus Master Plan Consultants:

*Carolyn Krall, Campus Planning, Ayers Saint Gross*

*Jason Pack, Transportation, Fehr & Peers*

### CA Department of General Services:

*Troy West, Project Director*

*Scott McDonnell, Civil Engineer*

### Caltrans District 7:

*Marco Ruano, Freeway Operations Chief;*

*Mehdi Salehinik, Senior Transportation Engineer;*

*Gregory Farr, Principal Project Manager;*

*Mine Struhl, Branch Chief, Environmental Planning;*

*Mahmoud Hajjar, Traffic Investigations*

## Caltrans comments:

- No major safety concerns
- 4-way stop is a low cost modification
- Permit review process is based on cost, so an expedited review is feasible
- CHP has budget to support East Campus Drive improvements
- CHP plans to start construction in 202
- Cal Trans requested engineering concept drawings for further review

## Follow-up:

- Fehr & Peers identified suitable civil engineers
- ACT has provide a proposal to CPP
- Meet with Caltrans on the concept plan by Mar-Apr

\* PPT and notes by CK at Ayers Saint Gross

# ELEMENTS OF A PEDESTRIAN ENVIRONMENT



Plan for Safety + Wayfinding



Seating/Gathering Spaces



Address Topography Accessibility Challenges



Provide Shade + Lighting at night



# PEDESTRIAN-PRIORITY ZONE CONFLICT AREAS

## Strategies:

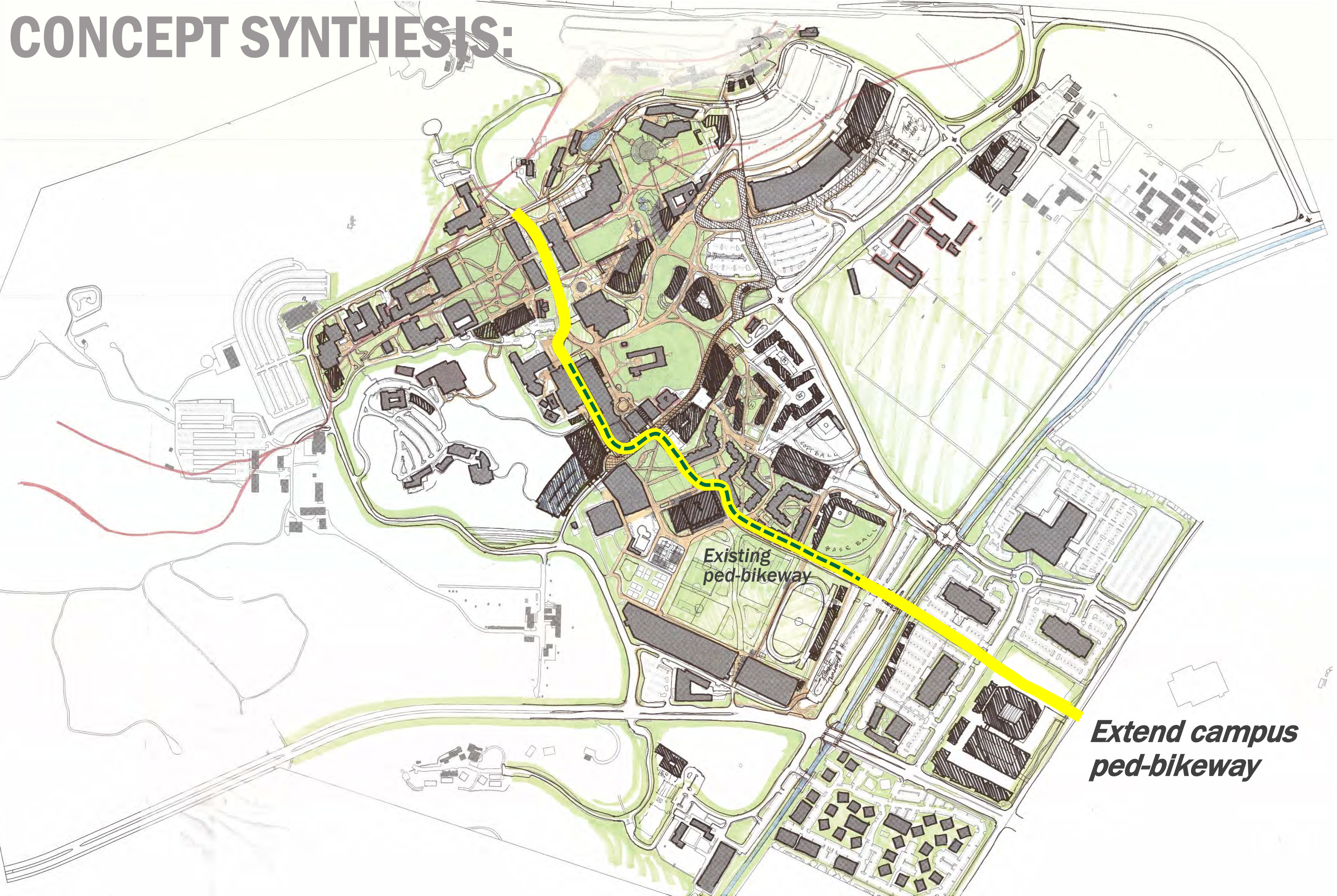
- Transform internal 'streets' to multi-modal malls
- Make campus transit a better option
- Shift vehicles to campus perimeter
- Put Kellogg on a 'road diet' with traffic calming + pedestrian enhancements
- Better defined pedestrian vs. bike/skateboard paths (including crossings)
- Better defined accessible routes (use aps?)
- Provide shade, lighting, signage, seating



# PED/BIKE-WAY



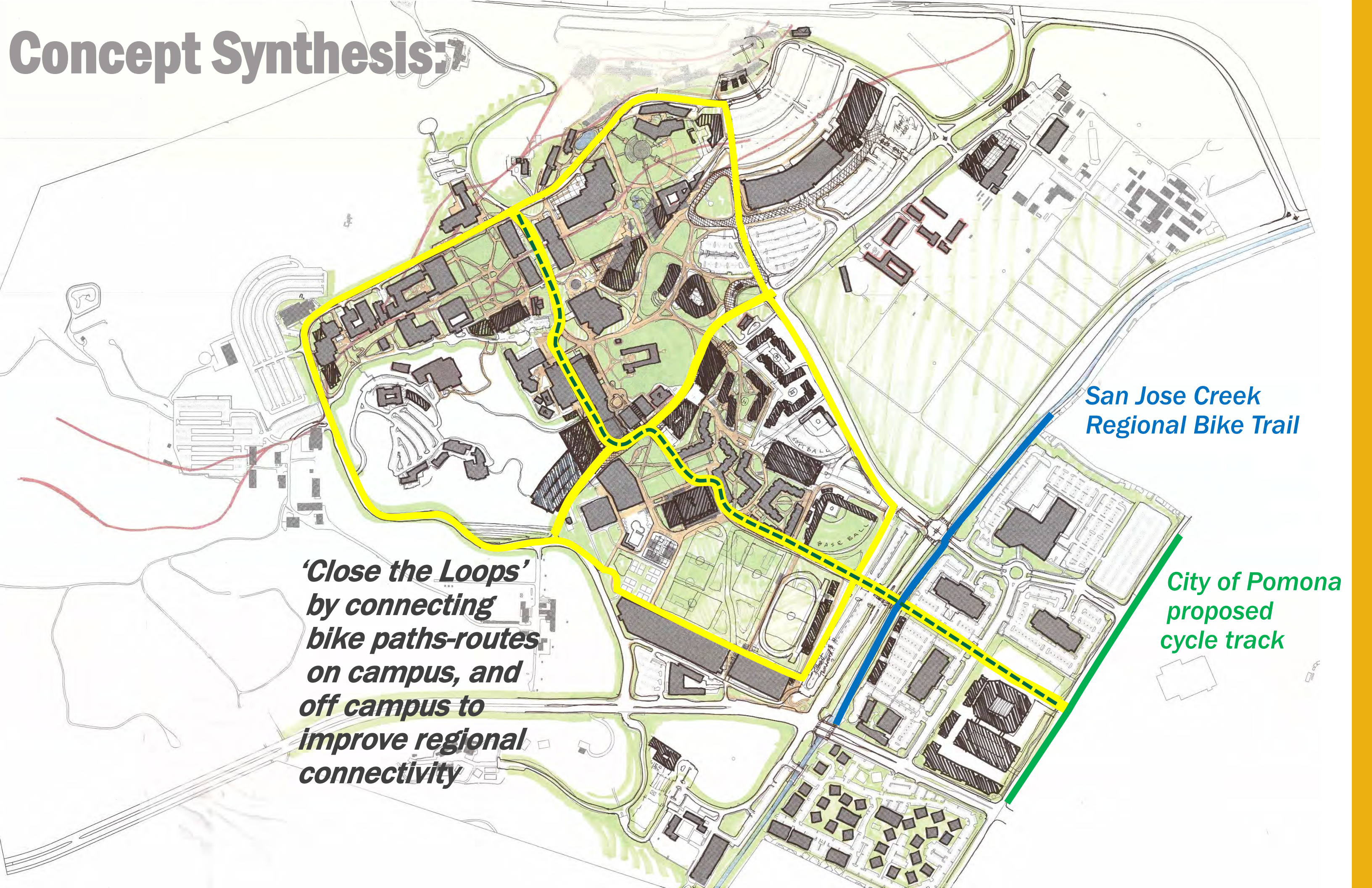
# CONCEPT SYNTHESIS:



Existing  
ped-bikeway

*Extend campus  
ped-bikeway*

# Concept Synthesis



San Jose Creek  
Regional Bike Trail

City of Pomona  
proposed  
cycle track

***'Close the Loops'  
by connecting  
bike paths-routes  
on campus, and  
off campus to  
improve regional  
connectivity***

# Precedent: Northern Arizona University Ped-Bike Path



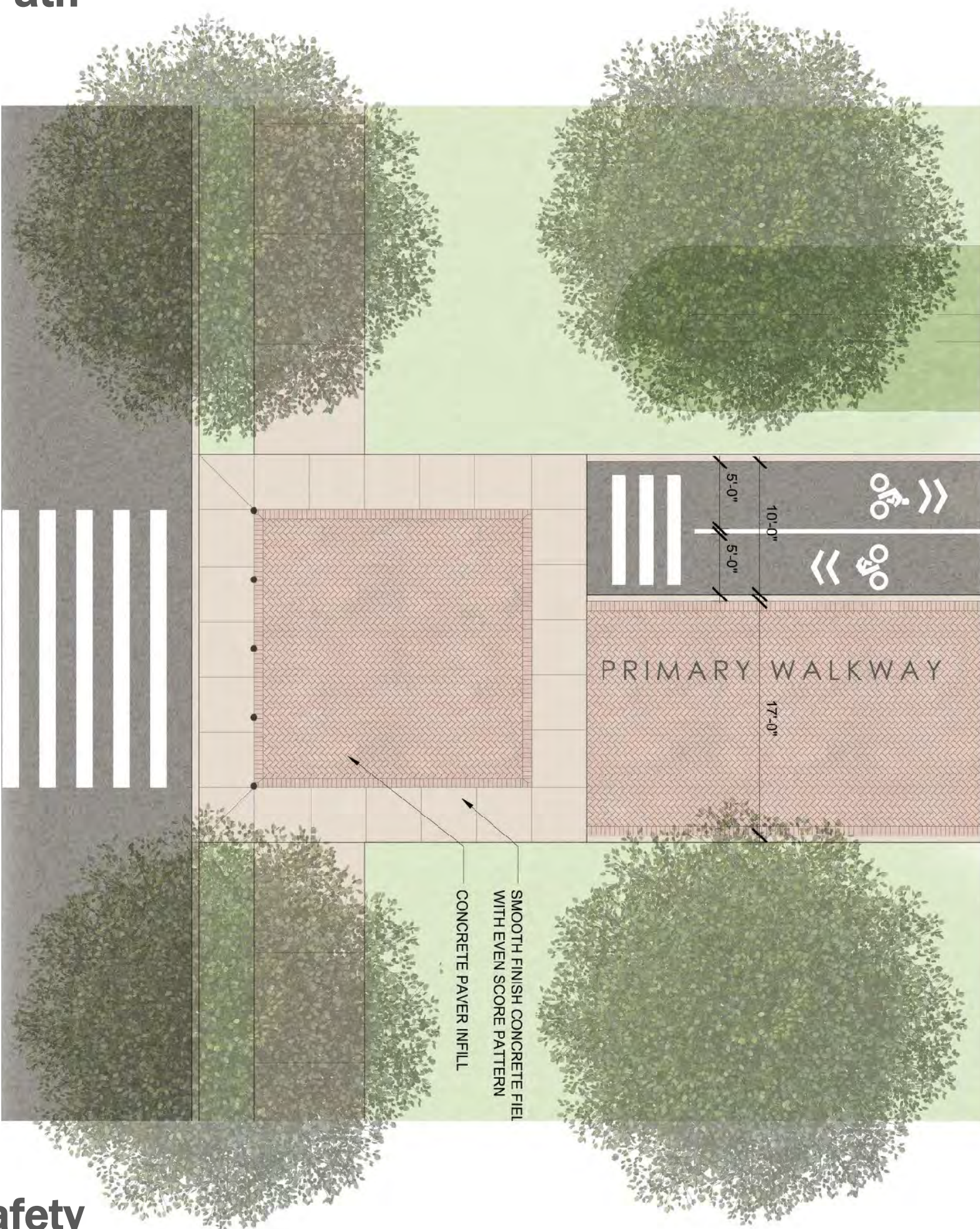
*Cross Campus Connections  
(BEFORE)*

# Precedent: Northern Arizona University Ped-Bike Path



*Cross Campus Connections  
(AFTER)*

# Precedent: Northern Arizona University Ped-Bike Path



Implementation: develop Design Standards for safety

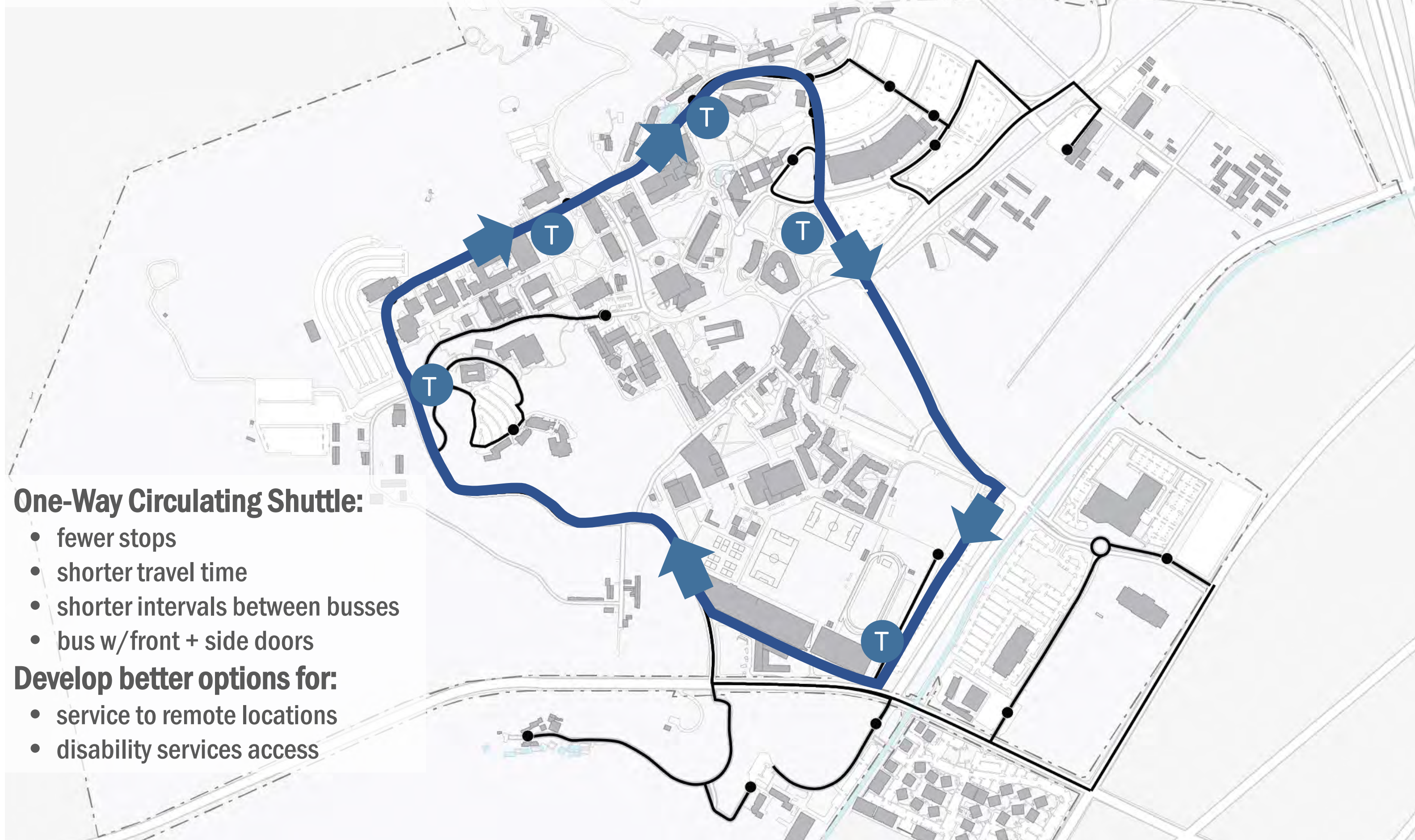
# CAMPUS TRANSIT - EXISTING

*All routes-stops*





# CAMPUS TRANSIT - PROPOSED



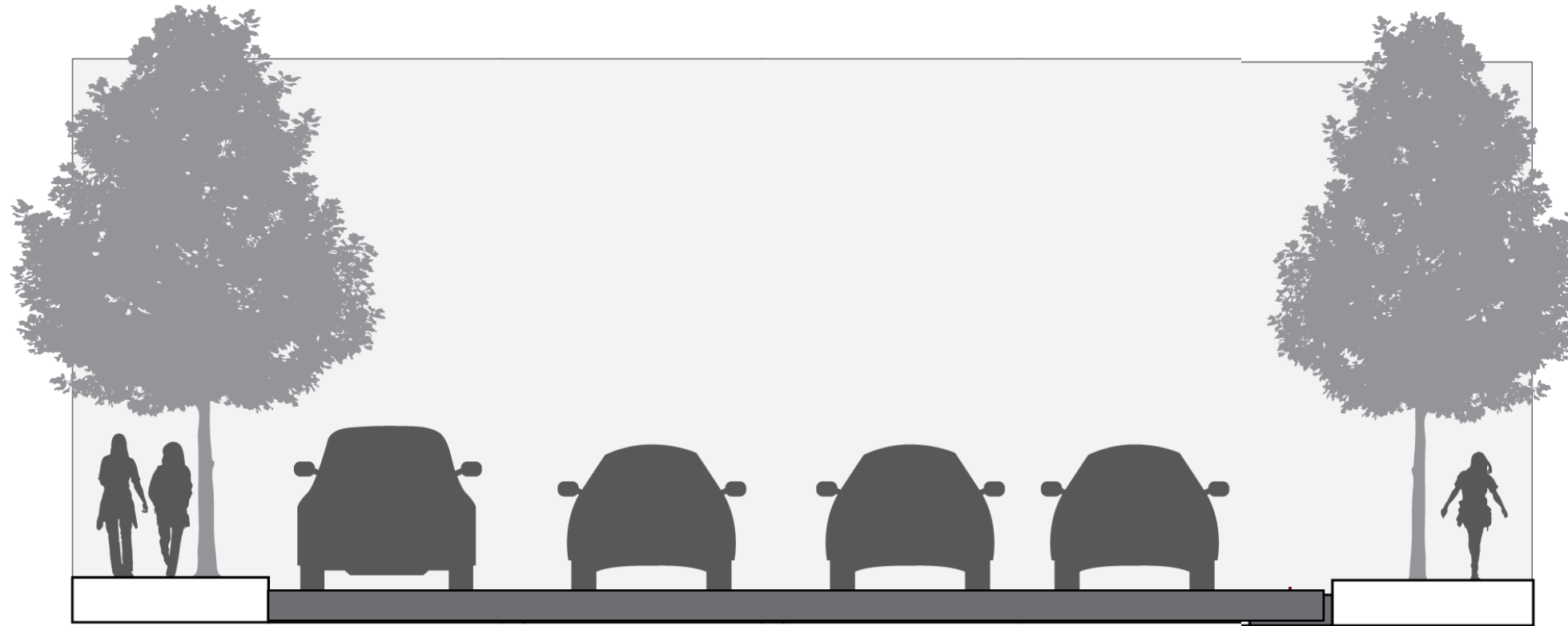
## One-Way Circulating Shuttle:

- fewer stops
- shorter travel time
- shorter intervals between busses
- bus w/front + side doors

## Develop better options for:

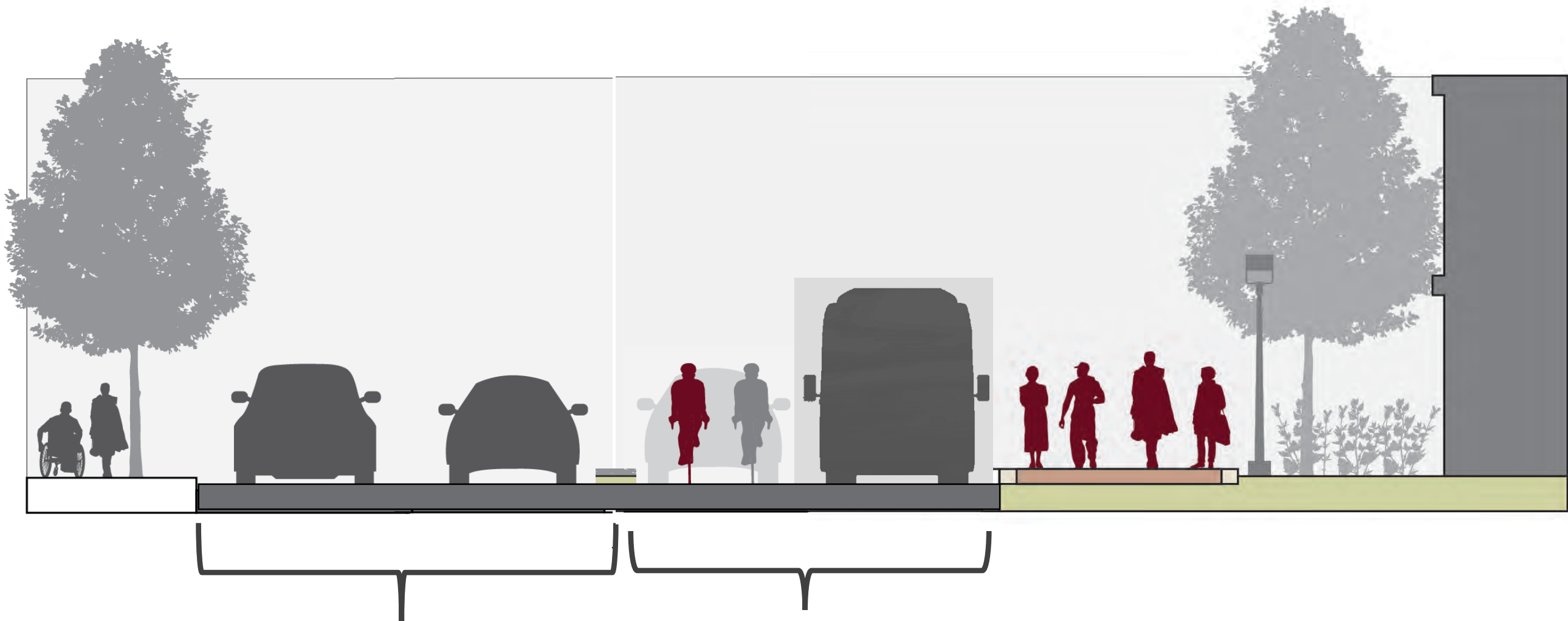
- service to remote locations
- disability services access

# UNIVERSITY DRIVE TRANSFORMATION



**Existing:** limited sidewalks    parking    vehicle travel- 2 way    parking    sidewalks (width varies)

# UNIVERSITY DRIVE TRANSFORMATION



Proposed:

travel lanes

*(eliminate on-street parking  
except pull-outs for  
ADA/Med)*

1 way transit  
+ bikes

widen sidewalks  
on south side

# Precedent: Northern Arizona University Transit Mall



# Precedent: Northern Arizona University Transit Mall



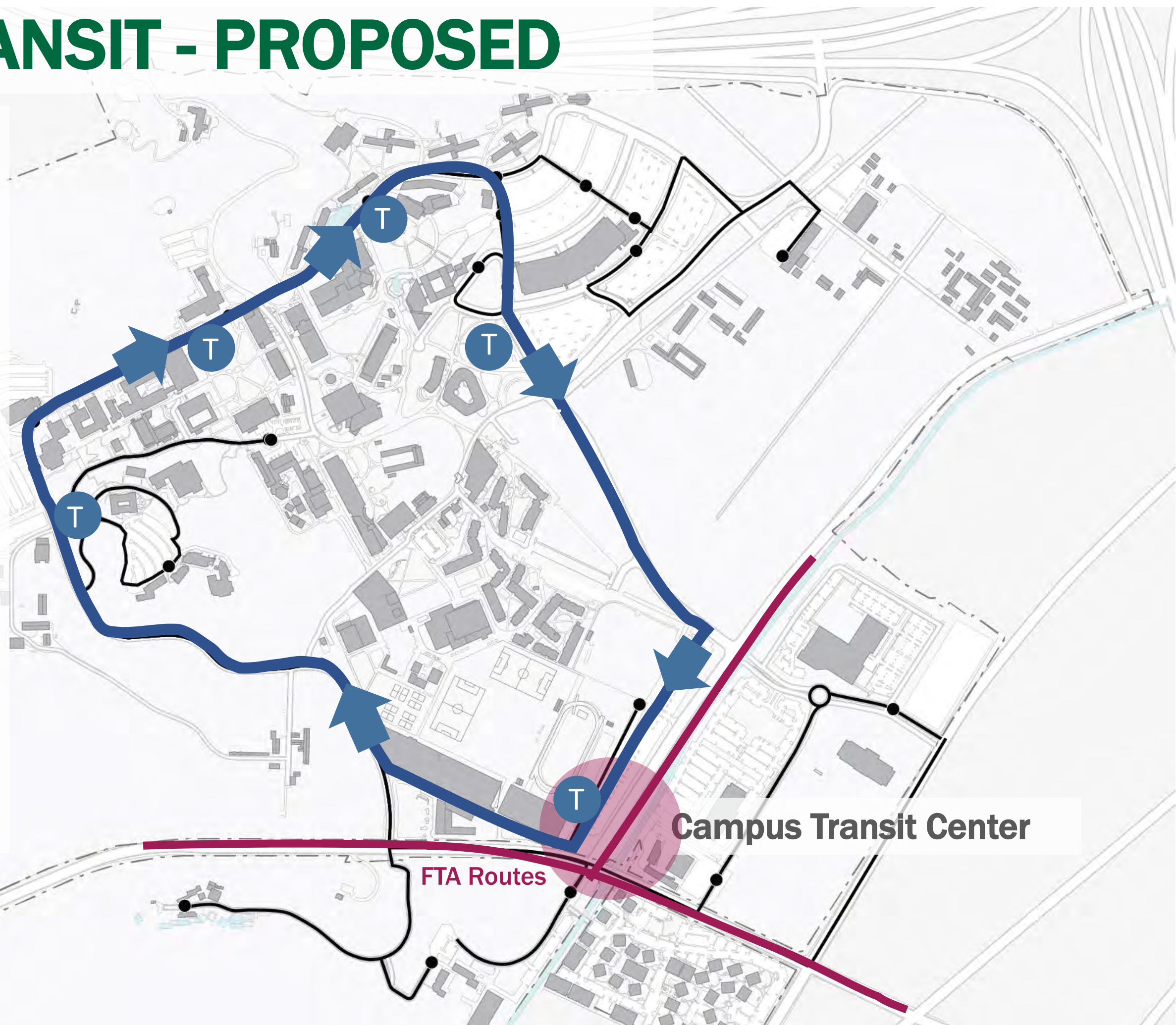
# CAMPUS TRANSIT - PROPOSED

## Transit Center:

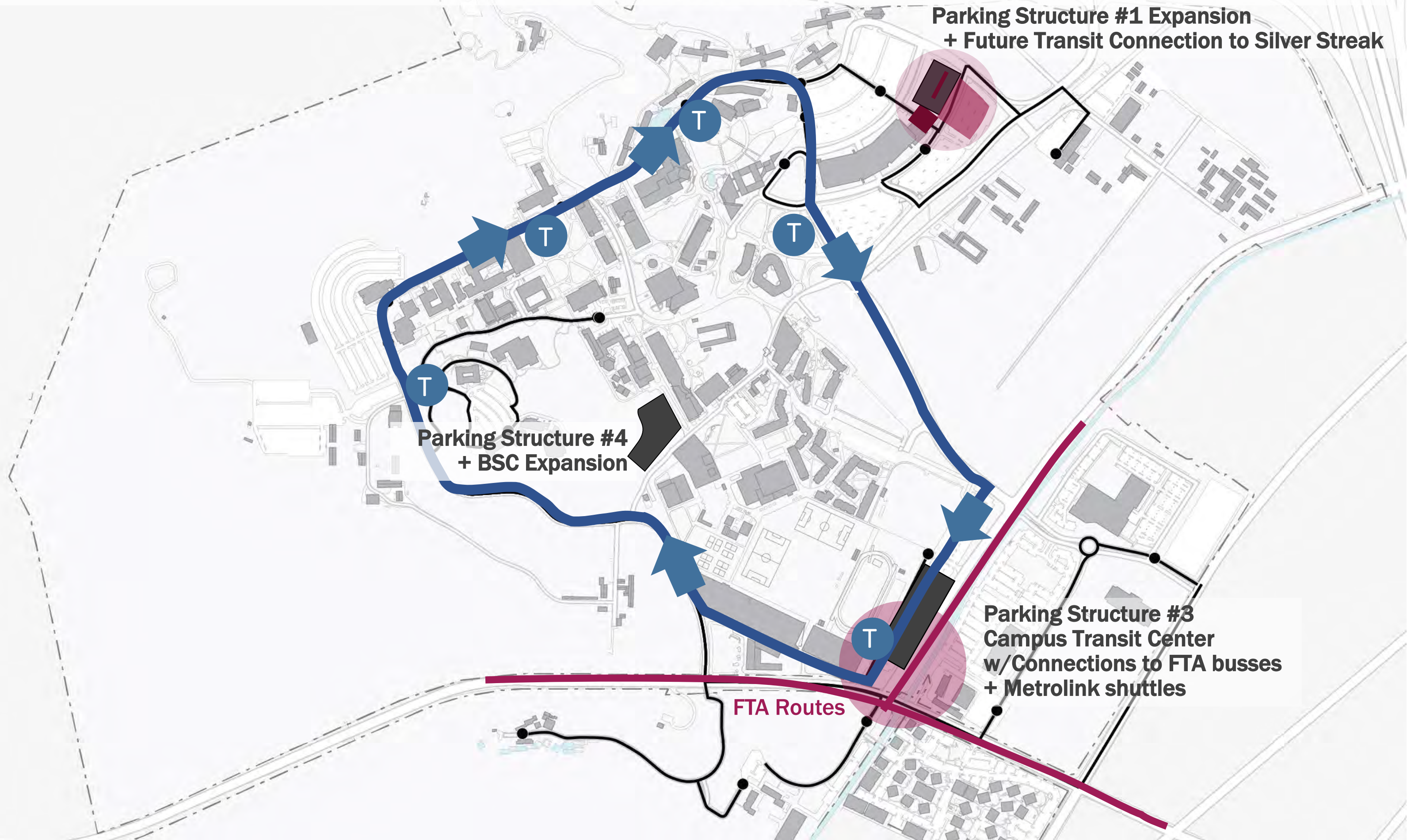
- Connect to parking
- On-campus shuttles
- Local/regional busses
- Metrolink shuttles
- Auto + bike share hub
- Uber/Lyft circle

## Should include:

- Safe, sheltered waiting
- Real-time tracking
- Transit information
- Purchase passes



# TRANSIT + PARKING STRUCTURES



**Parking Structure #1 Expansion  
+ Future Transit Connection to Silver Streak**

**Parking Structure #4  
+ BSC Expansion**

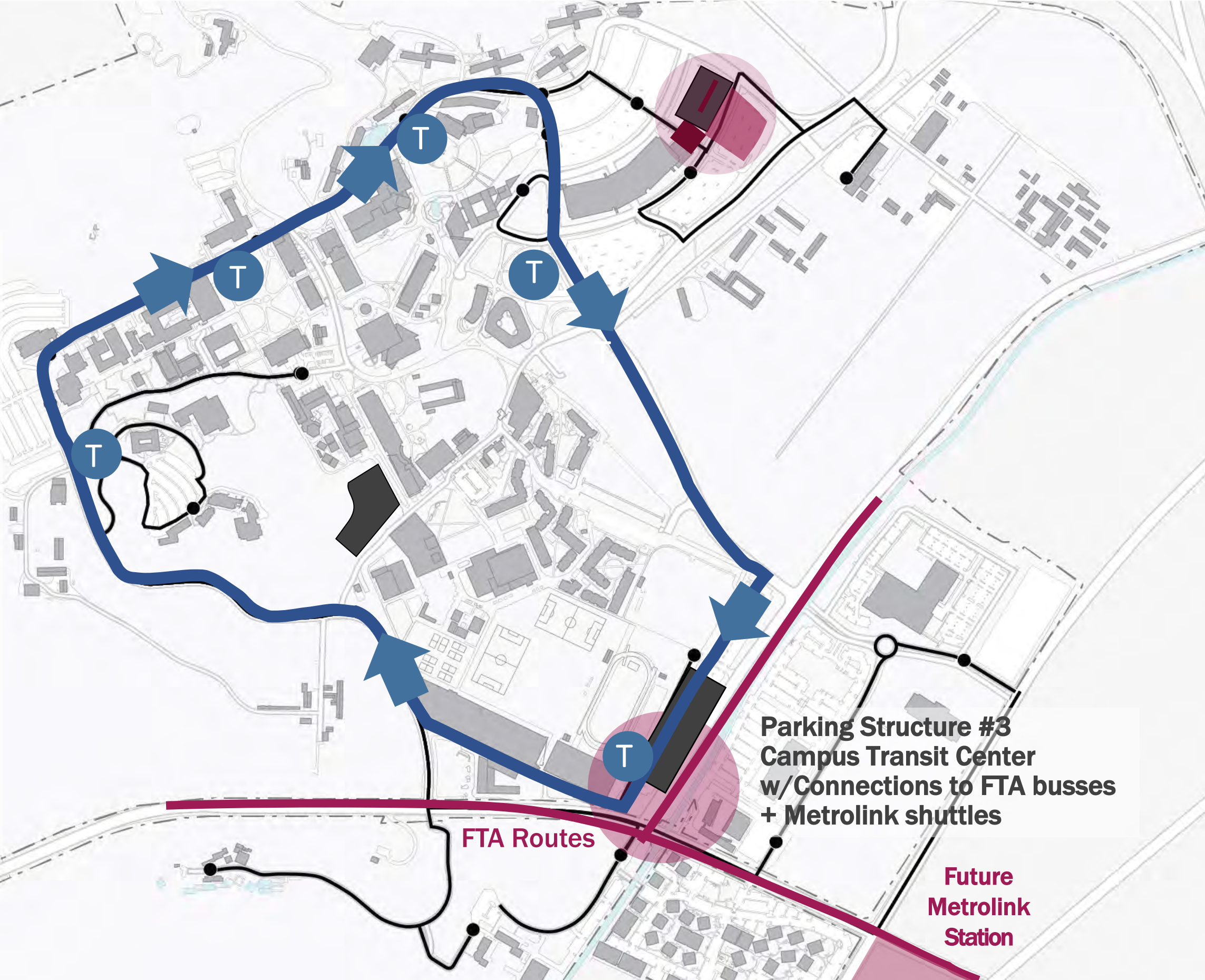
**Parking Structure #3  
Campus Transit Center  
w/Connections to FTA busses  
+ Metrolink shuttles**

**FTA Routes**

# TRANSIT + PARKING STRUCTURES

## SCORE

- Metrolink Partnership w/BNSF
- 10 yr, \$10 Billion
- Phase 1 funded for SB-Las Dimas line
  - 2 trains/hr both ways, all day
  - target is every 15 min
  - Pomona North Station
- Spadras bypass shifts freight to UP rail corridor opens door for Metrolink on BSNF corridor along Valley Drive



Parking Structure #3  
Campus Transit Center  
w/Connections to FTA busses  
+ Metrolink shuttles

FTA Routes

Future  
Metrolink  
Station

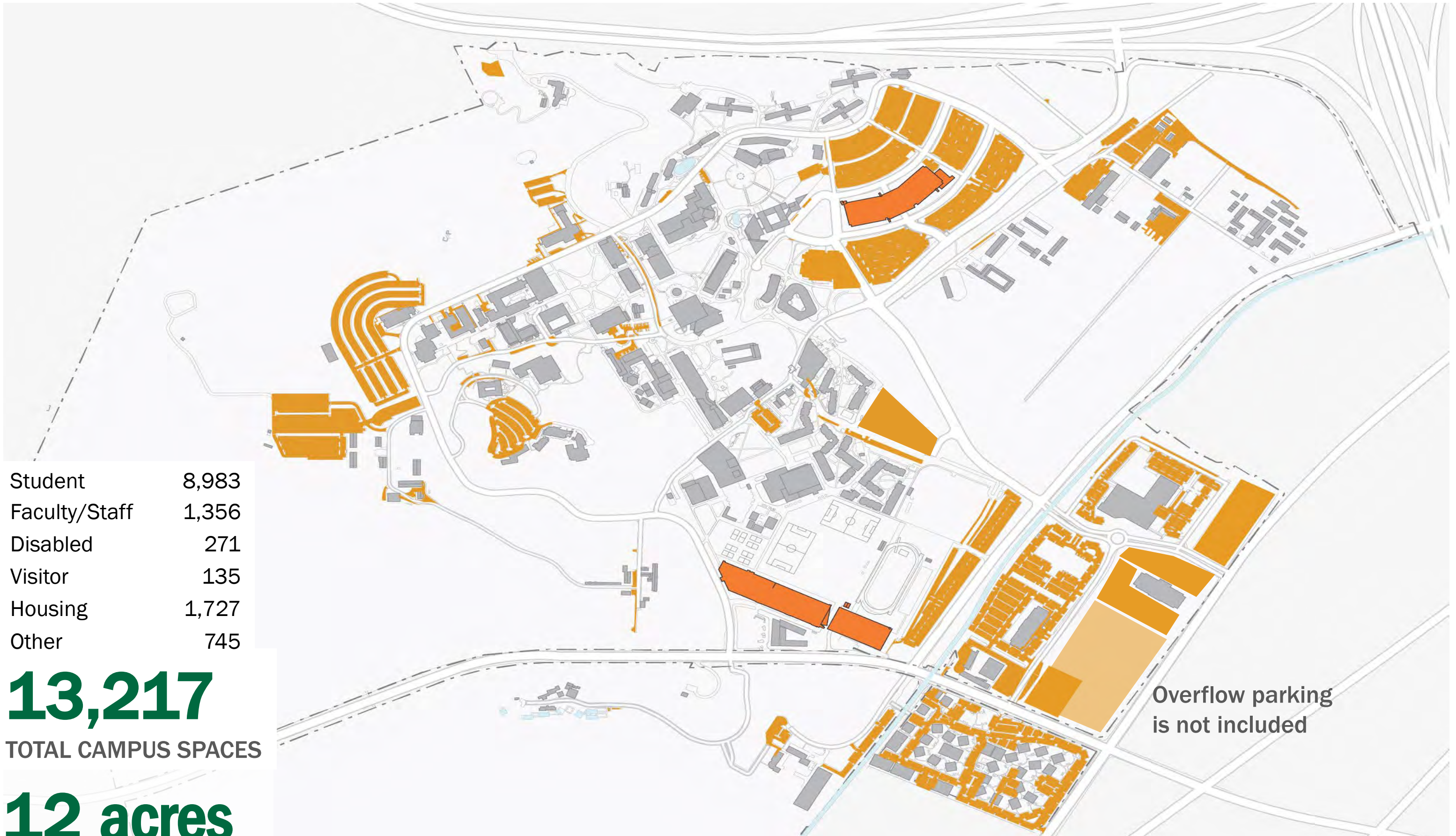


# TRANSIT CENTER + PARKING STRUCTURES



Precedent: rendered view of mixed-use structure

# PARKING DISTRIBUTION



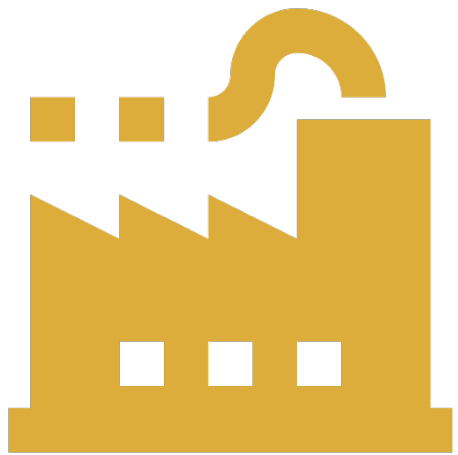
**13,217**

TOTAL CAMPUS SPACES

**12 acres**

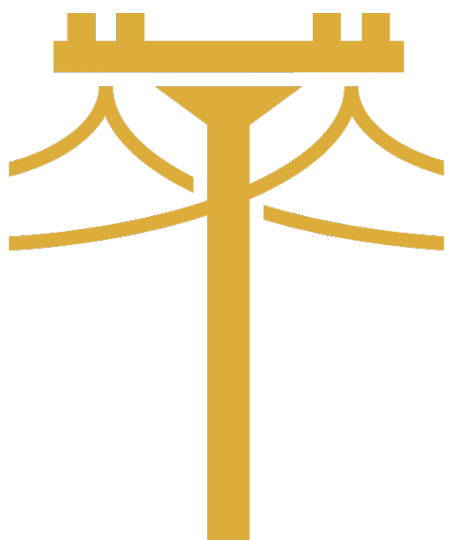
Overflow parking  
is not included

# 2009 CLIMATE ACTION PLAN (CAP)



### Scope 1

Emissions from sources controlled by Cal Poly Pomona, primarily from building and campus scale energy equipment.



### Scope 2

Emissions from the consumption of purchased electricity, steam, or other energy sources generated upstream.



### Scope 3

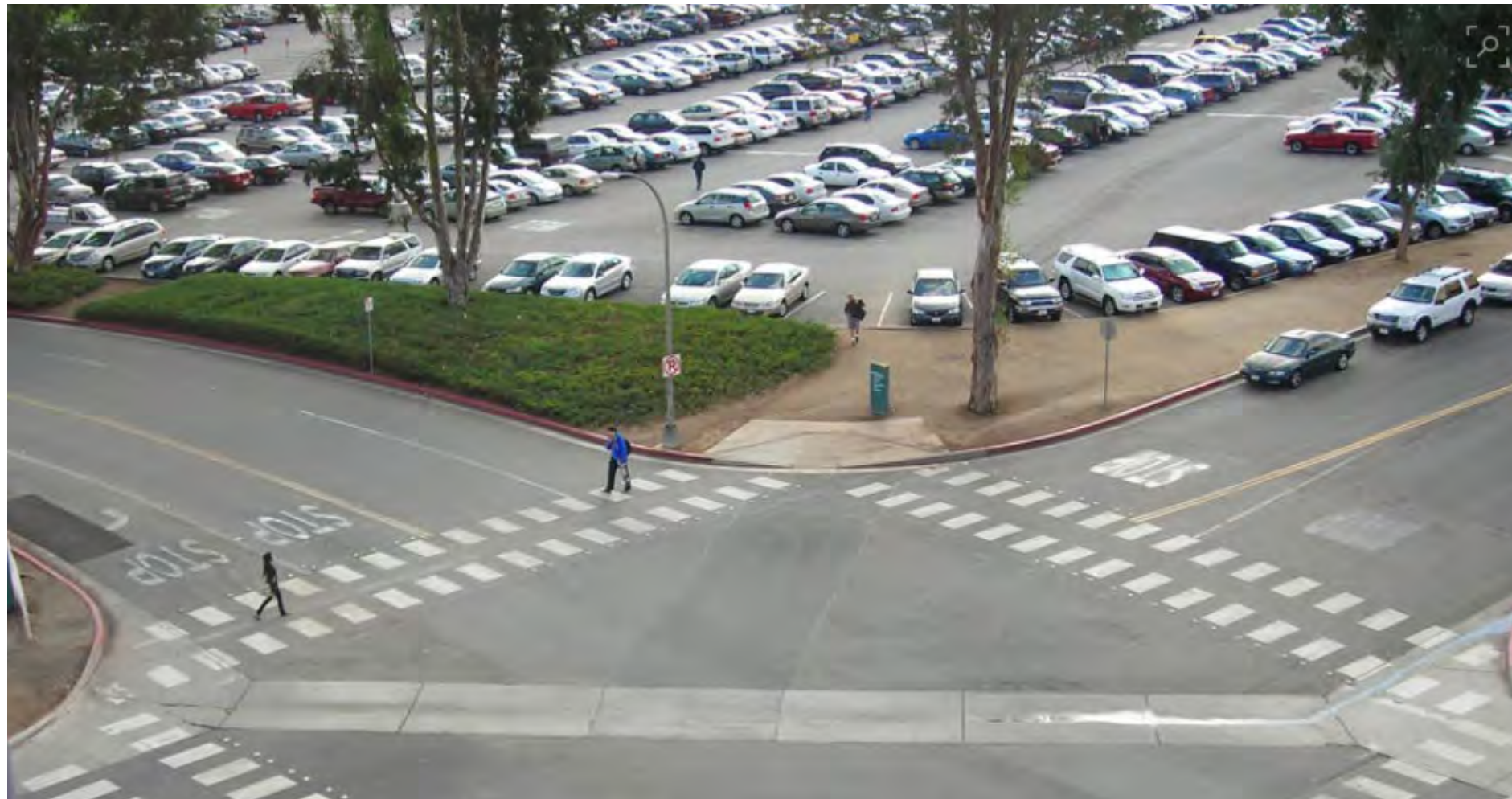
Emissions that are a consequence of Cal Poly Pomona's operations that are not owned or controlled by the organizations, primarily commuting, University-related travel, and purchased goods.

# TRANSPORTATION – 2009 CAP GOALS

1. Reduce student commuting population from 88% to 73%
2. Reduce faculty and staff commuting by 10%
3. 40% of population using alternatives to SOV's to commute



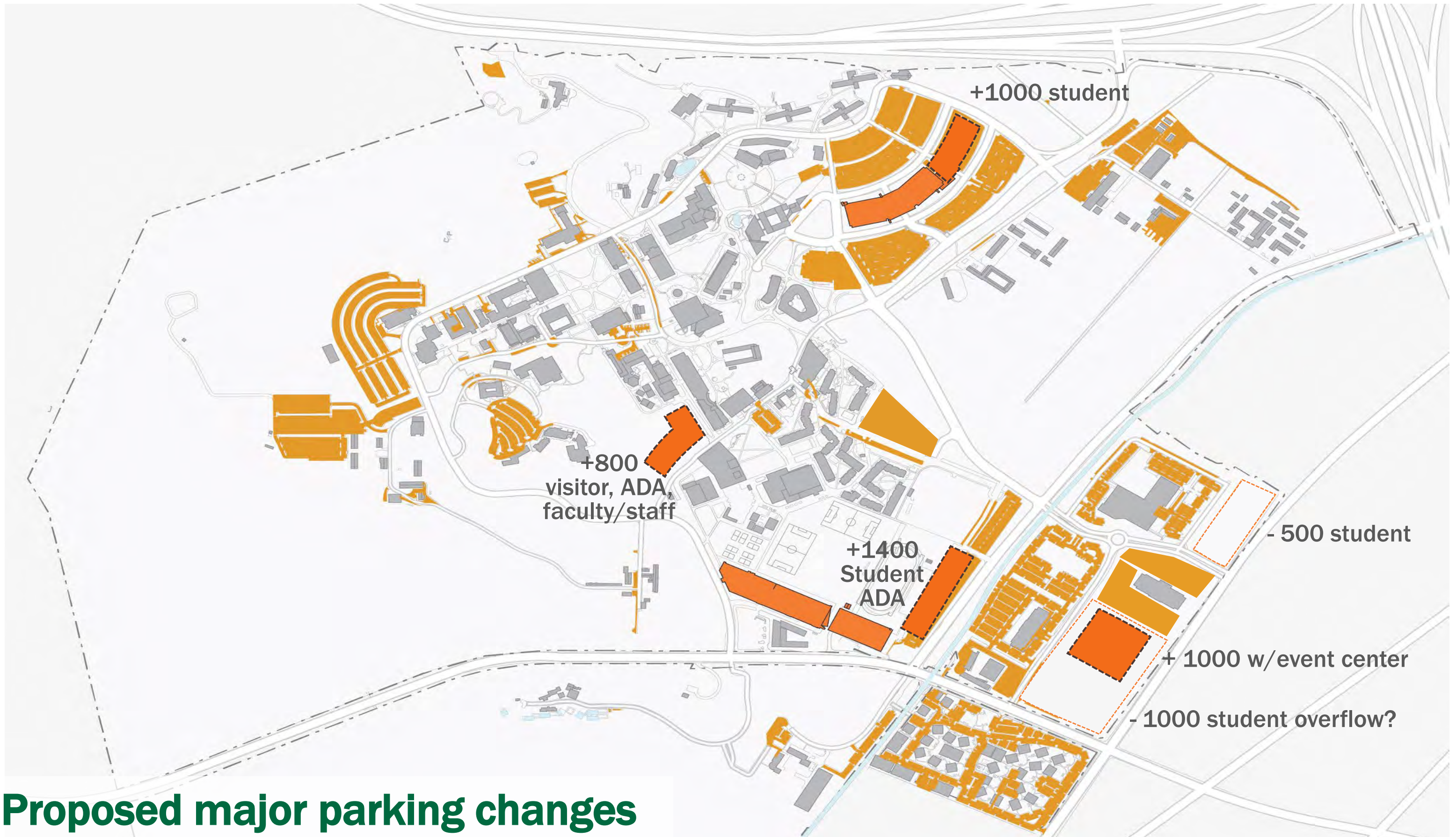
**Scope 3 Emissions**



**Students:**  
**80% Drive Alone**  
**8.5% Carpool**  
**4.3% Transit**

2009 Data

# PARKING DISTRIBUTION



**Proposed major parking changes**

# TRANSPORTATION – 2009 CAP GOALS

## Strategies:

### Increase use of alternative modes of transportation

- Transit Center to improve transit connections, convenience
- Foothills Transit ‘class pass’ program - *free to users, annual cost to university after 1<sup>st</sup> year*
- Silver Steak stop (*demonstrate rider demand*)
- Metrolink connections
  - *shuttles to Pomona North Station, San Bernadino Line*
  - *lobby for new stop on Riverside Line (BNSF on Valley Blvd)*
- Use technology – *real-time ride-matching/sharing aps, transit route apps*
- More housing on/near campus – *need policies to discourage resident parking on campus*
- More student employment options on/near campus – *South Campus, Innovation Village?*
- Provide more robust information + hands-on experience during orientation

### Incentivize less parking with policies + pricing

### Increase parking efficiency + utilization to reduce land dedicated for parking

# Space Analysis and Utilization

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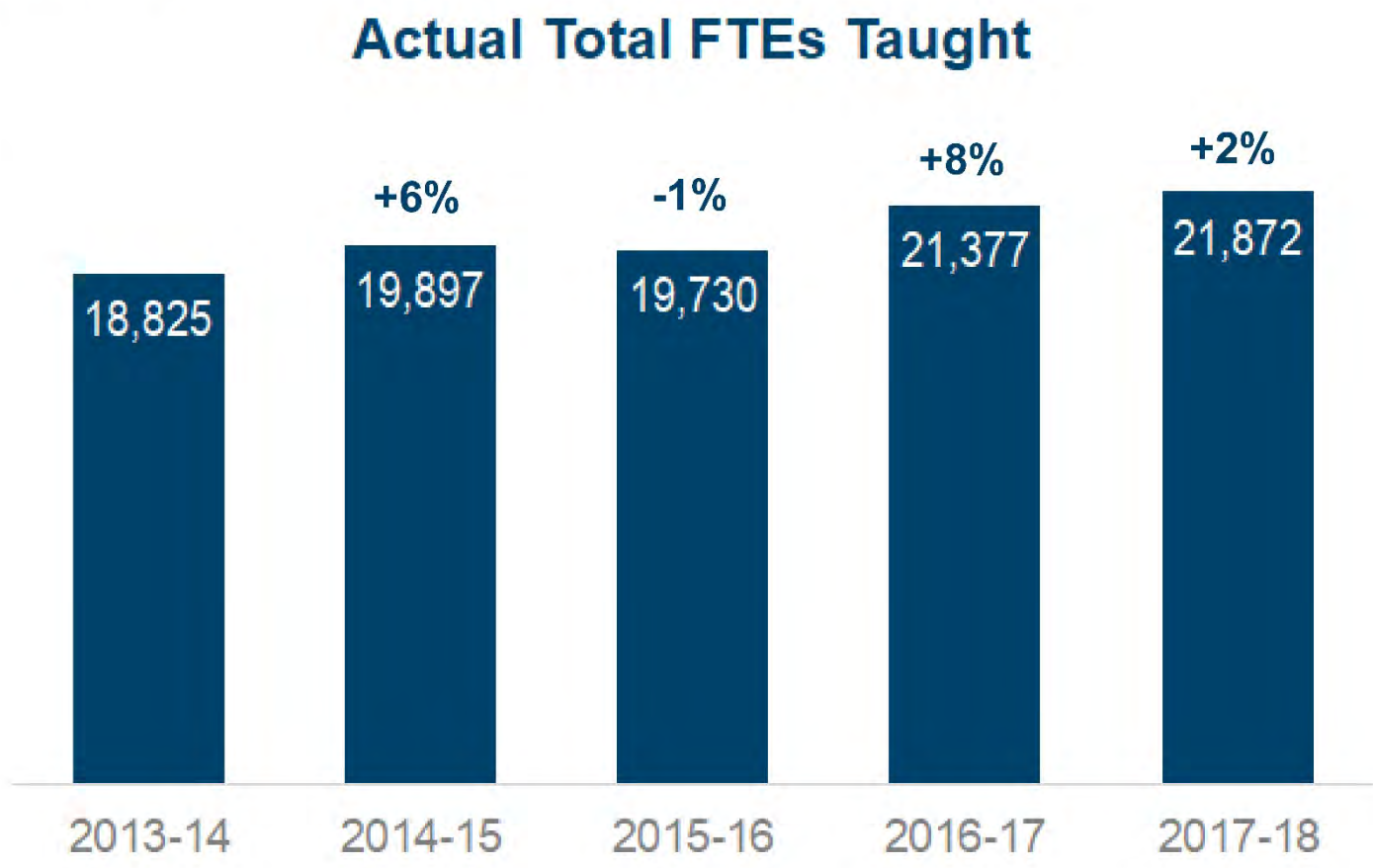
## Preliminary Findings

- *semester analysis is still in progress and classroom demand study will depend on results*
- *Fall 2017 showed rooms highly scheduled, but utilization still short of CSU targets*
- *Fall 2018 shows even higher scheduling*
- *CPP consistently teaches (FTEs) above the CSU calculated capacity and continues to grow*

# SPACE CAPACITY - UTILIZATION FINDINGS

## FTE Capacity v. Actual Total FTEs Taught

College Year Annualized Full-Time Equivalent Students (FTES)					6/20/2018
California State Polytechnic University, Pomona					
	2013-14	2014-15	2015-16	2016-17	2017-18
1) CSU FTES Capacity for Campus	*	*	17,993.00	18,292.00	18,292.00
2) CSU Resident FTES Target	17,356.00	17,756.00	18,294.00	18,586.00	18,714.00
3) Campus total FTES Goal	18,244.00	18,769.00	19,794.00	20,870.00	21,443.30
4) Actual total FTES Taught	18,825.00	19,897.00	19,730.00	21,376.90	21,872.20
<b>Percent of Capacity</b>			<b>110%</b>	<b>117%</b>	<b>120%</b>
1) CSU FTES Capacity for Campus is a calculation used in the analysis of new space needs					
* If necessary, older figures could be researched.					
2) CSU Resident FTES Target is budget teaching expectation for California resident students					
3) Campus total FTES Goal is planned teaching expectation for all students, resident plus non-resident					
4) Actual total FTES Taught is final college-year outcome					
Prepared by Academic Research and Resources					



Overall a 16% Increase over 5 years



# SPACE CAPACITY - UTILIZATION FINDINGS

## Scheduled Use Lecture Rooms by Day + Time Fall 2017

## SCHEDULED LECTURE ROOMS

	Monday	Tuesday	Wednesday	Thursday	Friday	*Average
8:00 AM	53% 83 Rooms	61% 96 Rooms	51% 81 Rooms	59% 94 Rooms	42% 67 Rooms	38% 60 Rooms
9:15 AM	73% 115 Rooms	66% 105 Rooms	72% 113 Rooms	66% 104 Rooms	59% 94 Rooms	48% 76 Rooms
10:00 AM	73% 115 Rooms	92% 145 Rooms	72% 113 Rooms	91% 144 Rooms	59% 93 Rooms	55% 87 Rooms
10:30 AM	79% 125 Rooms	92% 146 Rooms	77% 121 Rooms	92% 145 Rooms	63% 99 Rooms	58% 91 Rooms
11:45 AM	78% 124 Rooms	91% 143 Rooms	77% 122 Rooms	91% 143 Rooms	61% 96 Rooms	57% 90 Rooms
1:00 PM	48% 76 Rooms	98% 155 Rooms	53% 83 Rooms	96% 152 Rooms	28% 45 Rooms	46% 73 Rooms
2:00 PM	92% 146 Rooms	97% 154 Rooms	91% 143 Rooms	95% 150 Rooms	25% 40 Rooms	58% 91 Rooms
3:00 PM	85% 134 Rooms	84% 133 Rooms	82% 130 Rooms	84% 132 Rooms	23% 37 Rooms	51% 81 Rooms
4:00 PM	83% 131 Rooms	85% 134 Rooms	82% 130 Rooms	82% 130 Rooms	8% 12 Rooms	49% 77 Rooms
5:00 PM	78% 124 Rooms	57% 90 Rooms	79% 125 Rooms	55% 87 Rooms	4% 6 Rooms	39% 62 Rooms
6:00 PM	70% 110 Rooms	77% 121 Rooms	73% 115 Rooms	75% 119 Rooms	1% 2 Rooms	42% 67 Rooms
7:00 PM	69% 109 Rooms	56% 88 Rooms	73% 116 Rooms	56% 88 Rooms	1% 2 Rooms	37% 58 Rooms
8:00 PM	26% 41 Rooms	42% 66 Rooms	27% 42 Rooms	42% 67 Rooms	1% 2 Rooms	20% 31 Rooms

Total classrooms = 158

# SPACE CAPACITY - UTILIZATION FINDINGS

## Scheduled Use Lecture Rooms by Day + Time Fall 2018

## SCHEDULED LECTURE ROOMS

	Monday	Tuesday	Wednesday	Thursday	Friday	*Average
8:00 AM	77% 108 Rooms	79% 111 Rooms	75% 106 Rooms	79% 111 Rooms	70% 98 Rooms	76% 107 Rooms
9:15 AM	73% 103 Rooms	79% 112 Rooms	72% 101 Rooms	79% 112 Rooms	65% 91 Rooms	74% 104 Rooms
10:00 AM	79% 111 Rooms	92% 130 Rooms	79% 111 Rooms	91% 129 Rooms	64% 90 Rooms	81% 114 Rooms
10:30 AM	92% 130 Rooms	95% 134 Rooms	91% 129 Rooms	95% 134 Rooms	71% 100 Rooms	89% 125 Rooms
11:45 AM	91% 129 Rooms	15% 21 Rooms	92% 130 Rooms	14% 20 Rooms	51% 72 Rooms	52% 74 Rooms
1:00 PM	95% 134 Rooms	96% 136 Rooms	94% 132 Rooms	95% 134 Rooms	30% 43 Rooms	82% 116 Rooms
2:00 PM	97% 137 Rooms	99% 139 Rooms	96% 136 Rooms	98% 138 Rooms	23% 32 Rooms	82% 116 Rooms
3:00 PM	87% 122 Rooms	91% 129 Rooms	87% 122 Rooms	89% 125 Rooms	18% 25 Rooms	74% 105 Rooms
4:00 PM	82% 115 Rooms	82% 116 Rooms	82% 116 Rooms	80% 113 Rooms	11% 15 Rooms	67% 95 Rooms
5:00 PM	88% 124 Rooms	90% 127 Rooms	91% 129 Rooms	89% 125 Rooms	6% 8 Rooms	73% 103 Rooms
6:00 PM	74% 104 Rooms	73% 103 Rooms	82% 116 Rooms	66% 93 Rooms	4% 5 Rooms	60% 84 Rooms
7:00 PM	58% 82 Rooms	57% 80 Rooms	62% 88 Rooms	52% 73 Rooms	1% 1 Rooms	46% 65 Rooms
8:00 PM	54% 76 Rooms	57% 81 Rooms	57% 81 Rooms	52% 74 Rooms	1% 2 Rooms	45% 63 Rooms

Total classrooms = 141

\* The average is calculated on Monday through Friday use.

# Specific Area-Facility Studies

## Concepts

# Synthesis + Study-Analysis

- **Academic**
  - *needed upgrades, replace temporaries?*
  - *shared instruction + student success resources*
  - *library-learning commons, student study space*
  - *opportunities for hubs, shared space and new/replacement bldgs*

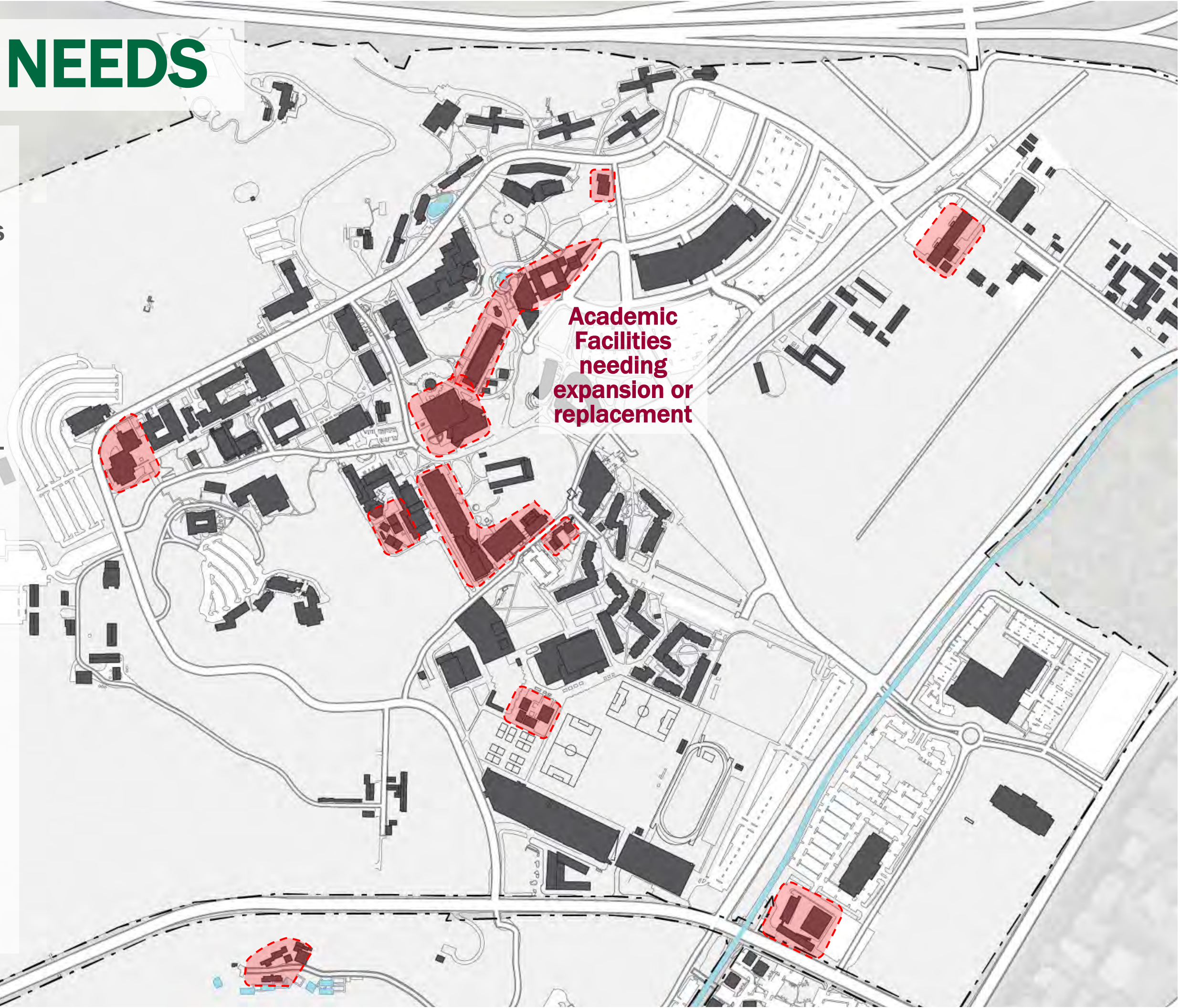
# FACILITY/SITE AREAS FOR STUDY

- Improve/replace Bldg 98 CLA classroom facilities
- Sites for new academic shared facilities, hubs
- Bring remote academic uses back into the core
- Remove Temporary/Modular/Portables
- Plan for seismic demo sites (Tower, dorms, dining hall)
- Improve + Expand BSC, U Center?
- Student housing replacement + growth
- Relocate Health + Wellness Center, Child Care Center
- Athletics and Recreation growth?



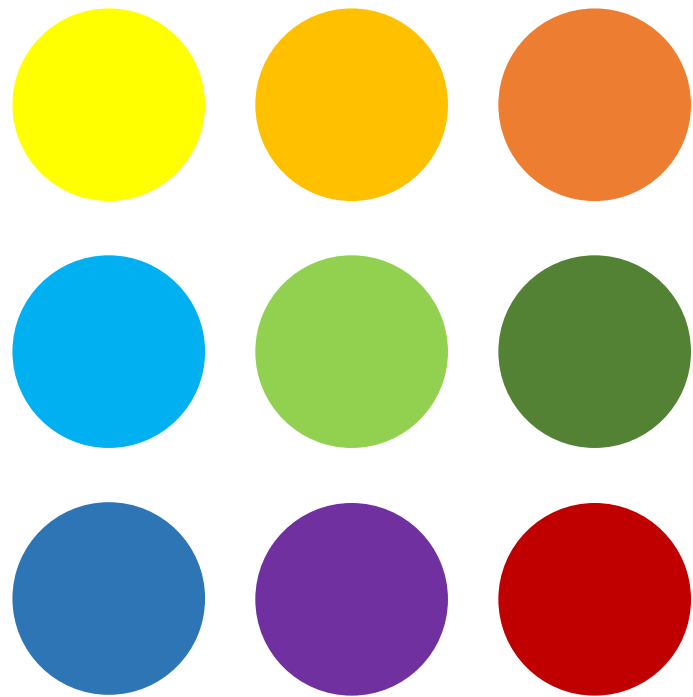
# ACADEMIC NEEDS

- Instructional Space, especially labs, flex studios, and shared project space resources
- CLA – renovate or replace?
- Eng/Art Annex – renovate, expand?
- Interim Design Center – expand or reconsider, consolidate?
- Environmental Design improve, expand?
- Expanded study space, Library learning commons
- CTTi space
- Solutions to eliminate ‘temporaries’ for instructional space

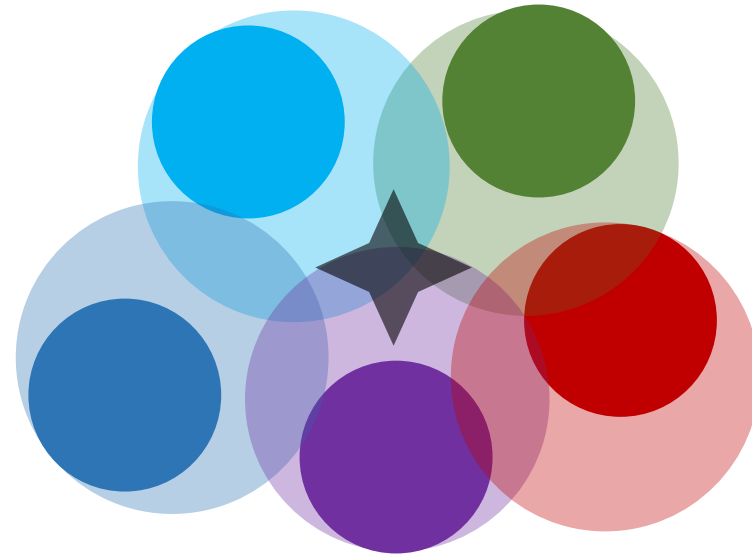


Academic  
Facilities  
needing  
expansion or  
replacement

# TRANSFORM NEIGHBORHOODS INTO HUBS

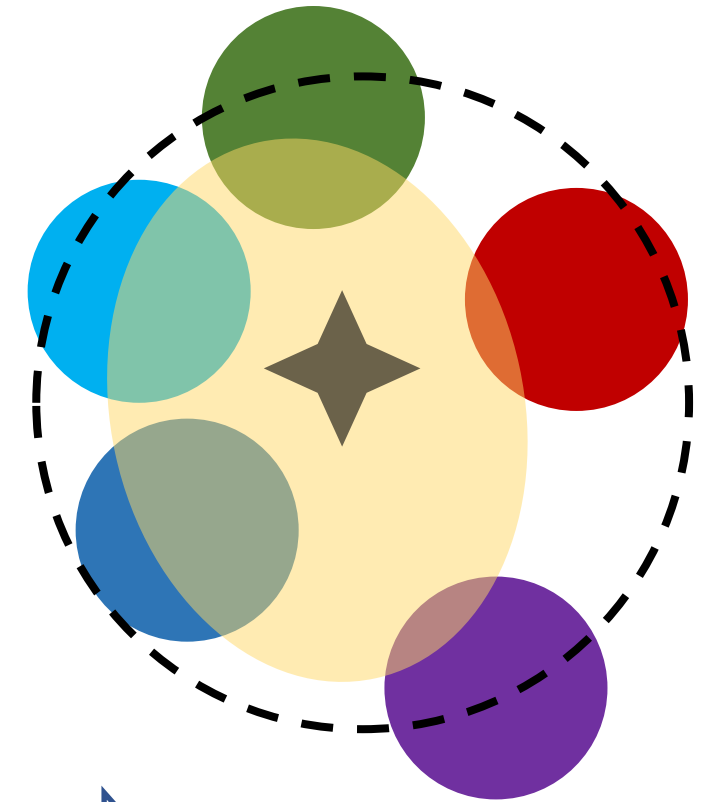


**Neighborhoods**



**Intersections:**

Sponsor interdisciplinary activity  
+ opportunities for collaboration



**Hubs:**

Non-siloed space  
resources w/ample  
interdisciplinary space

*Identify opportunities for HUBS  
in smaller, intermediary  
spaces, perhaps creating  
'connecting' spaces between  
existing academic buildings?*

# ACADEMIC OPPORTUNITIES

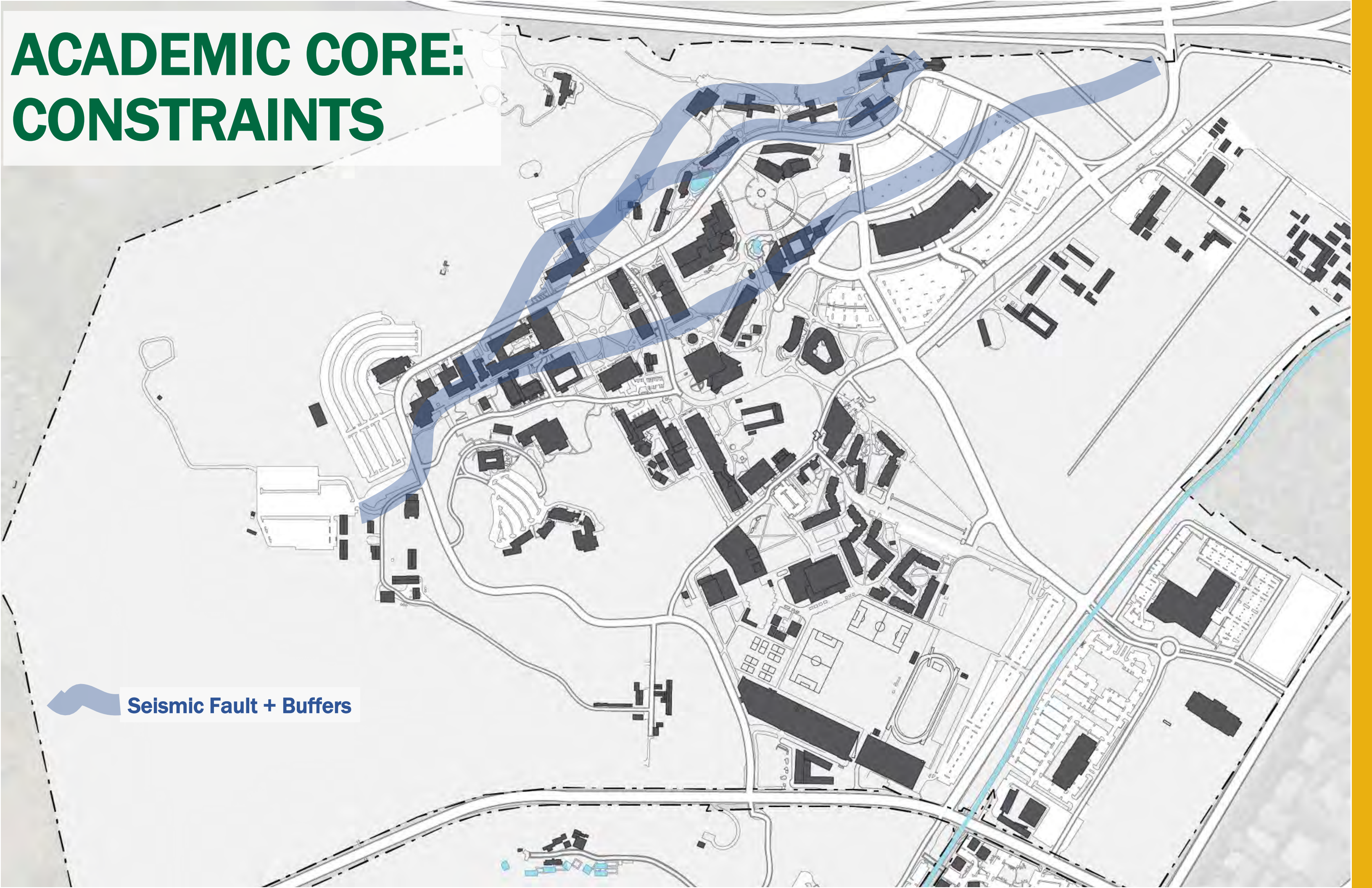
- shared instructional space for active learning
- project space resources, flex studios, exterior project yards
- faculty collaborative space, AV/IT sandbox
- study space, individual and group spaces
- learning commons



Potential Hub Opportunities?



# ACADEMIC CORE: CONSTRAINTS

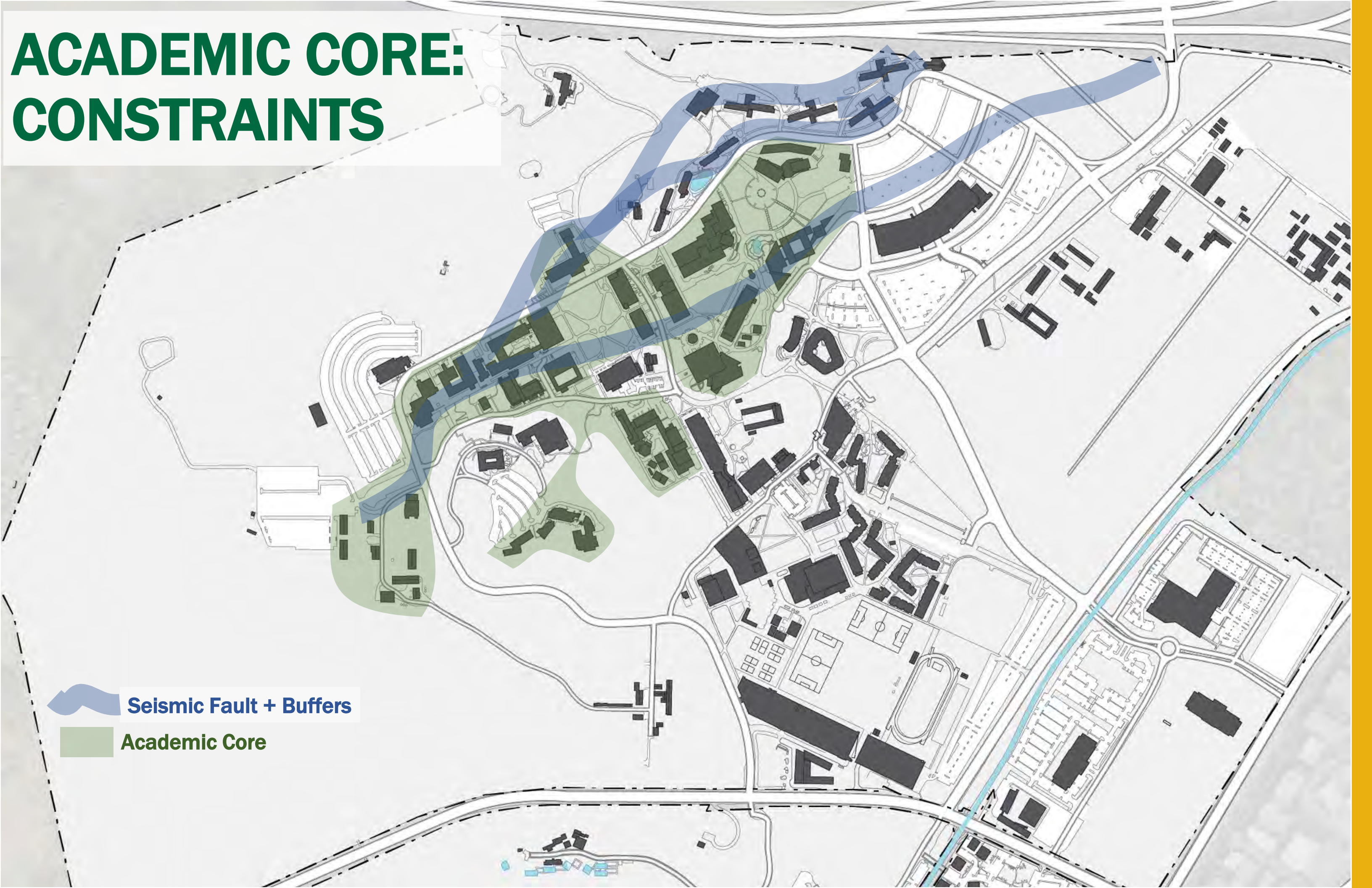
 Seismic Fault + Buffers








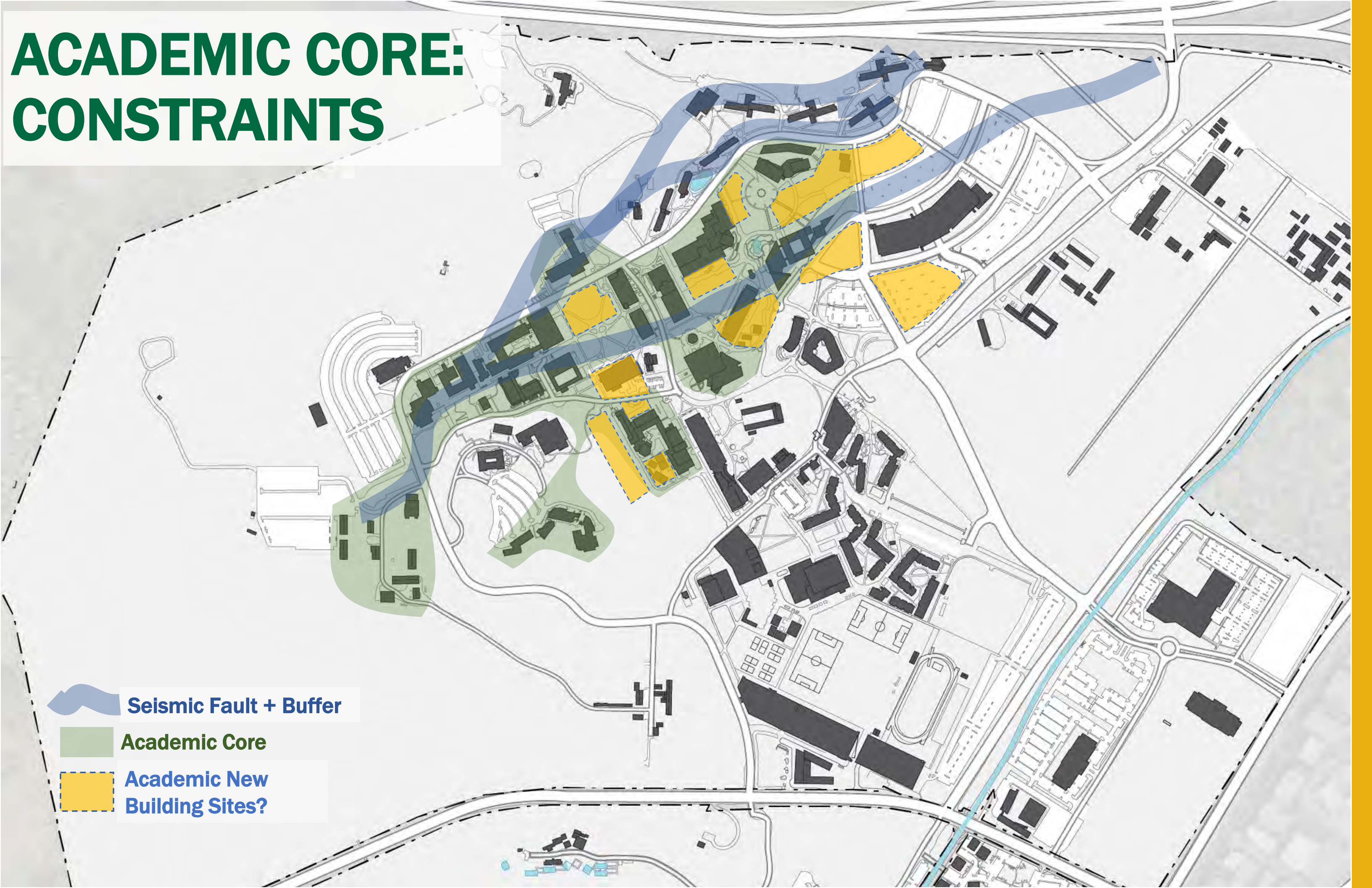
# ACADEMIC CORE: CONSTRAINTS

-  Seismic Fault + Buffers
-  Academic Core

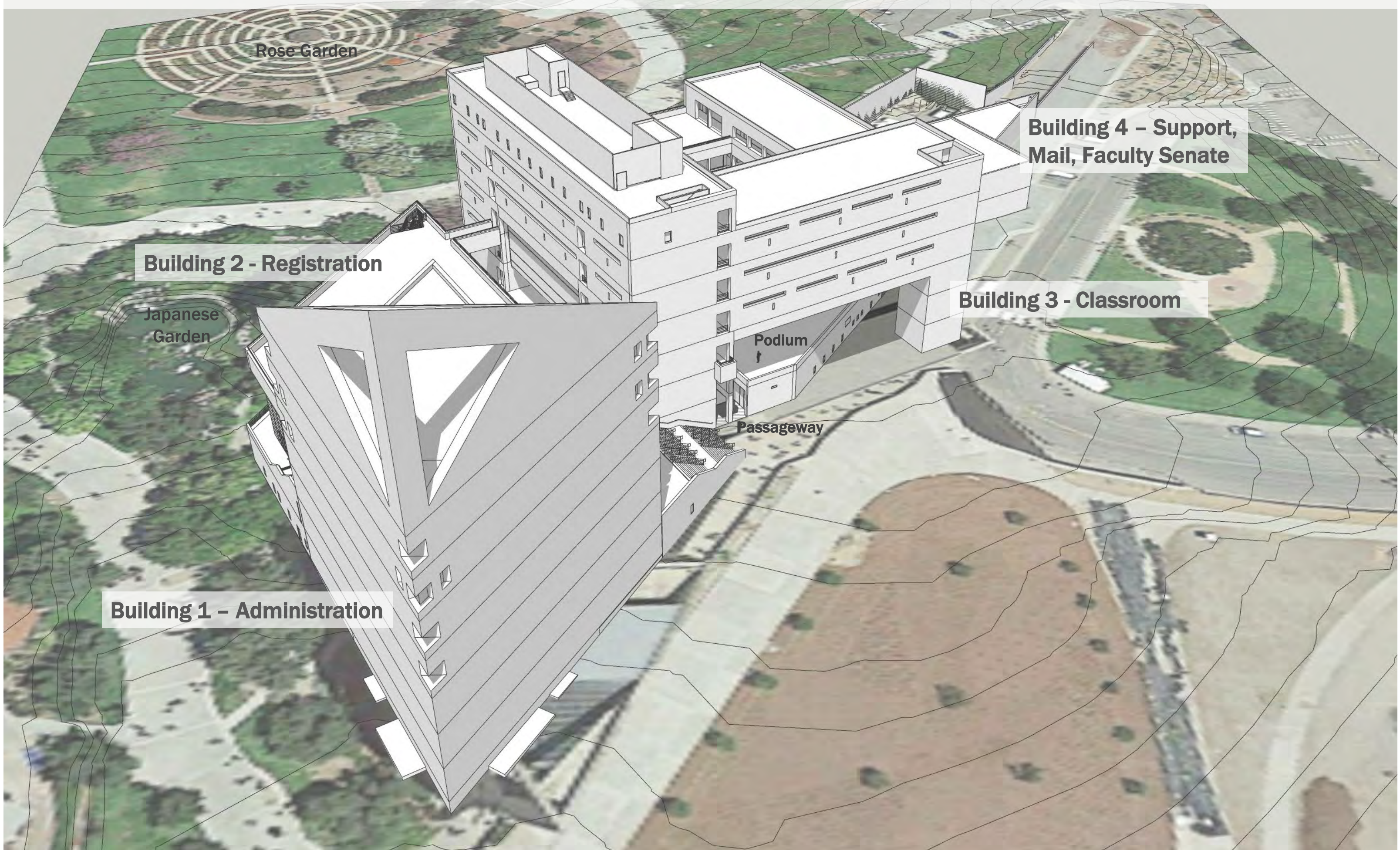


# ACADEMIC CORE: CONSTRAINTS

-  Seismic Fault + Buffer
-  Academic Core
-  Academic New Building Sites?



# BLDG 98-CLA STUDIES: EXISTING



Rose Garden

Building 4 - Support,  
Mail, Faculty Senate

Building 2 - Registration

Building 3 - Classroom

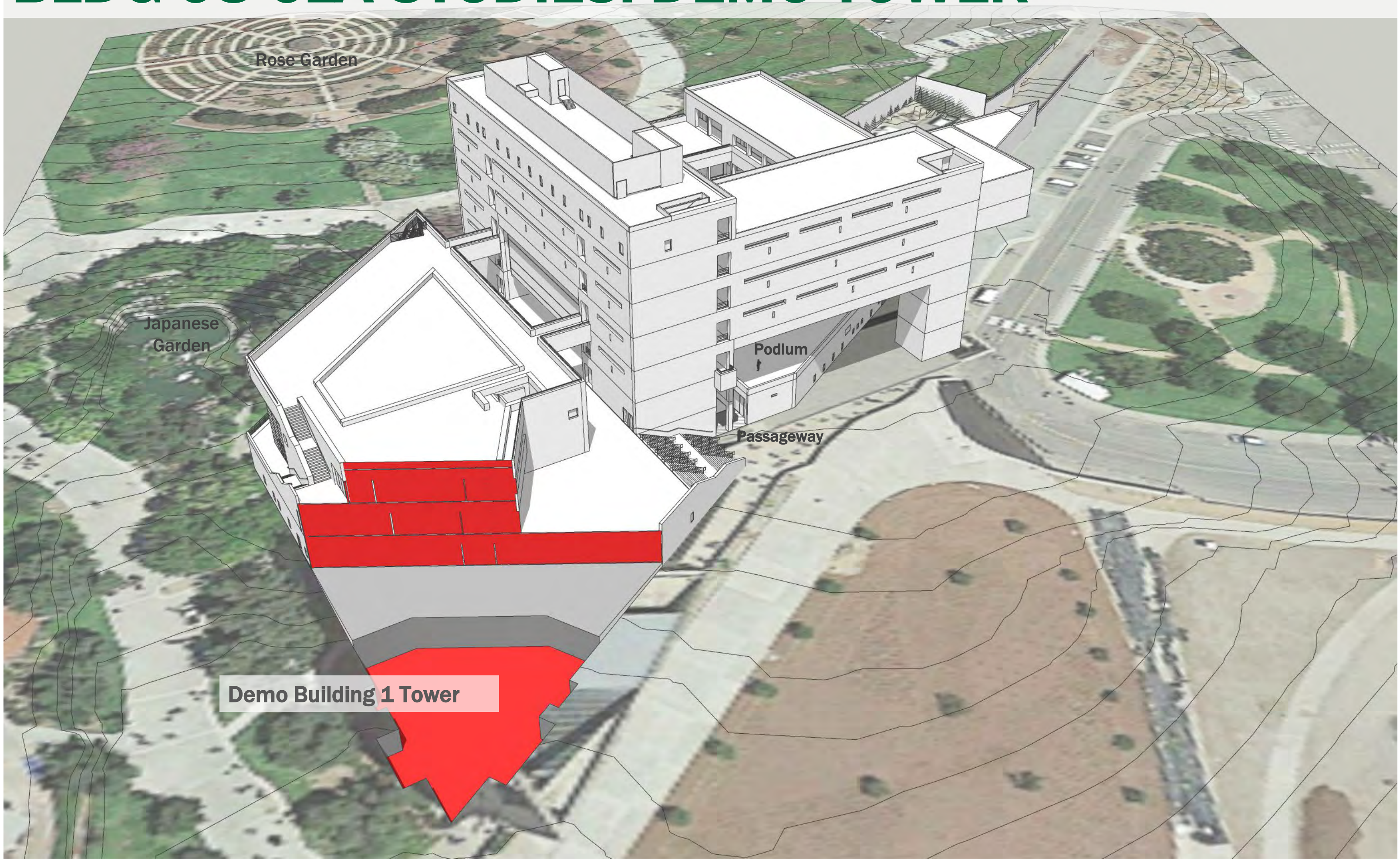
Japanese  
Garden

Podium

Passageway

Building 1 - Administration

# BLDG 98-CLA STUDIES: DEMO TOWER



Rose Garden

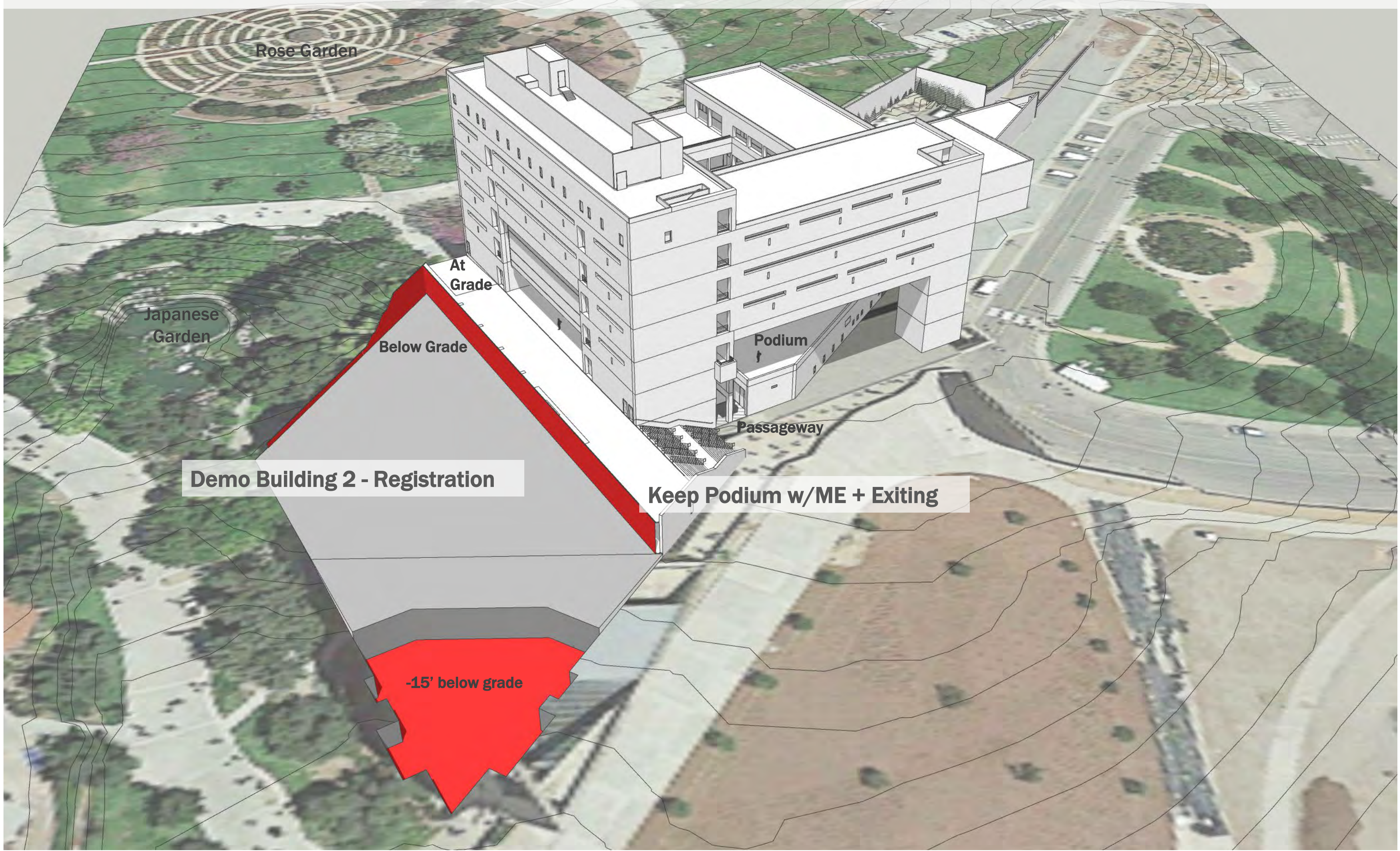
Japanese Garden

Podium

Passageway

Demo Building 1 Tower

# BLDG 98-CLA STUDIES: DEMO REG BLDG ALTS



Rose Garden

Japanese Garden

At Grade

Below Grade

Podium

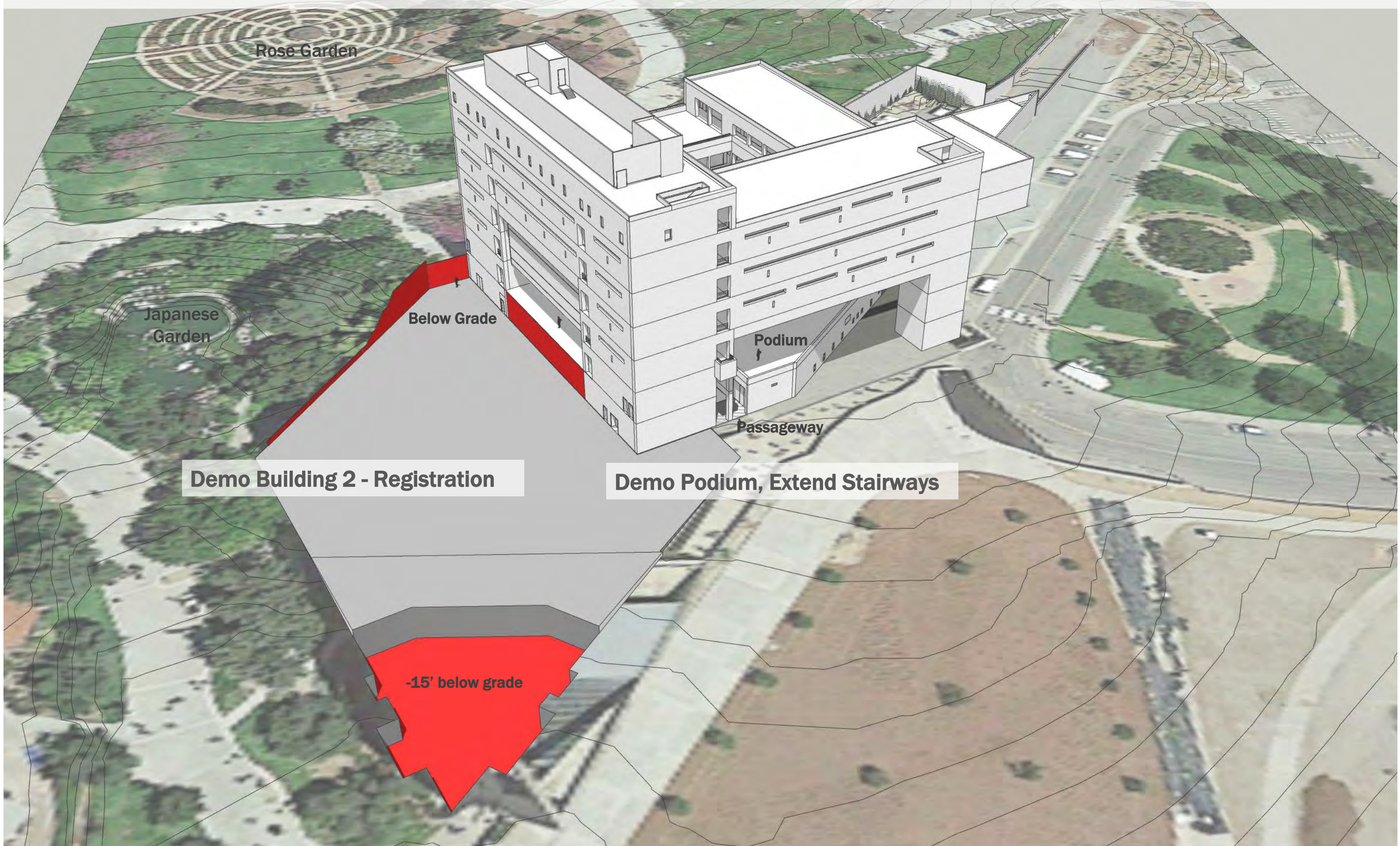
Passageway

Demo Building 2 - Registration

Keep Podium w/ME + Exiting

-15' below grade

# BLDG 98-CLA STUDIES: DEMO REG BLDG ALTS



Rose Garden

Japanese Garden

Below Grade

Podium

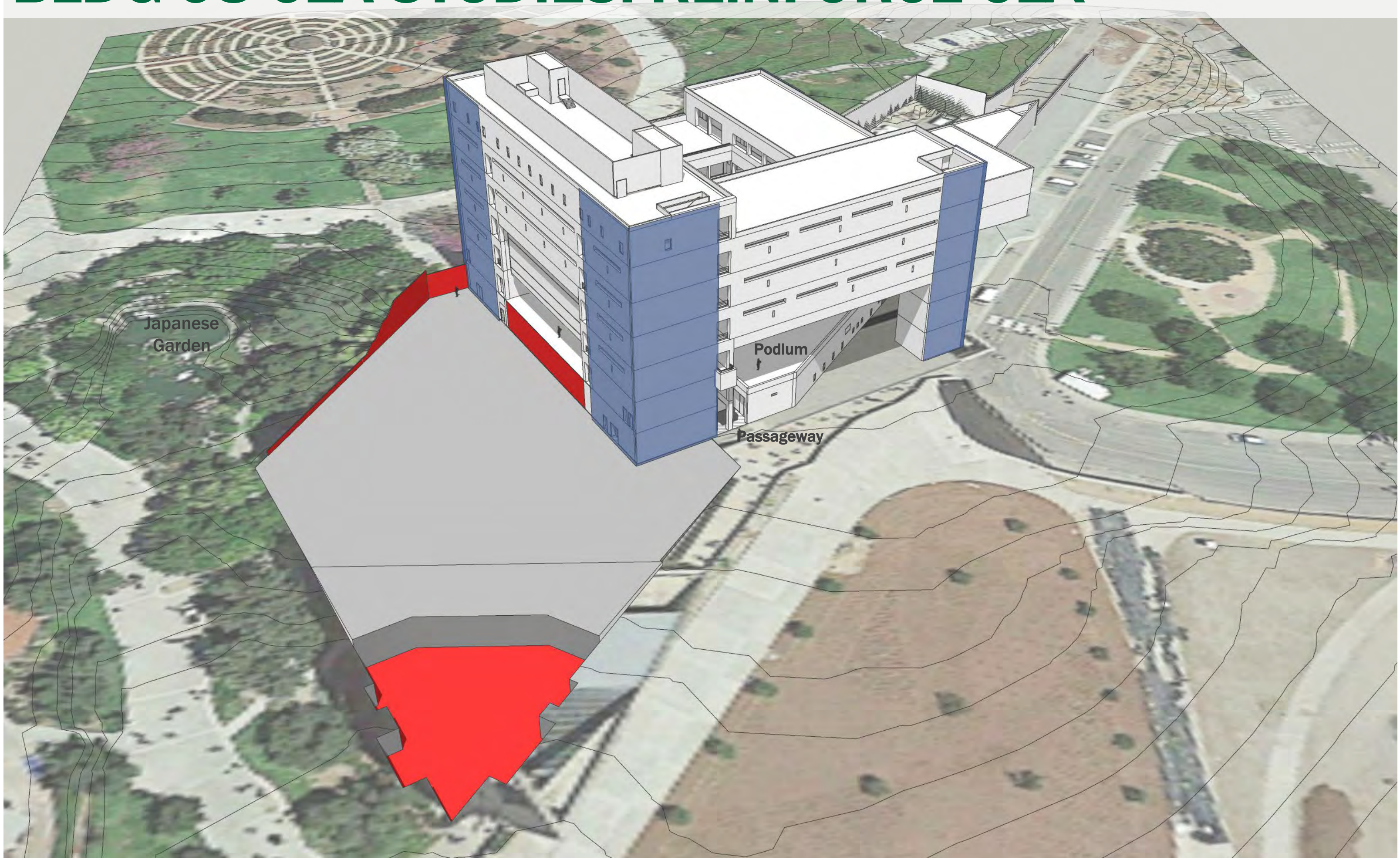
Passageway

Demo Building 2 - Registration

Demo Podium, Extend Stairways

-15' below grade

# BLDG 98-CLA STUDIES: REINFORCE CLA



# BLDG 98-CLA STUDIES: REINFORCE CLA

## Study will identify:

- options to Replace vs Reinforce/Renovate
- classroom/class lab area and impact on utilization
- area needed for replacement building (identify potential footprint and site)
- strategies to improve site-building circulation
- functions needing temp/surge space during renovation
- pro-cons for options
- est cost of each option





# BLDG 98-CLA STUDIES: AT GRADE (UPPER)



**Studies will also identify strategies to improve circulation and campus connectivity in this area.**

# Campus-wide systems

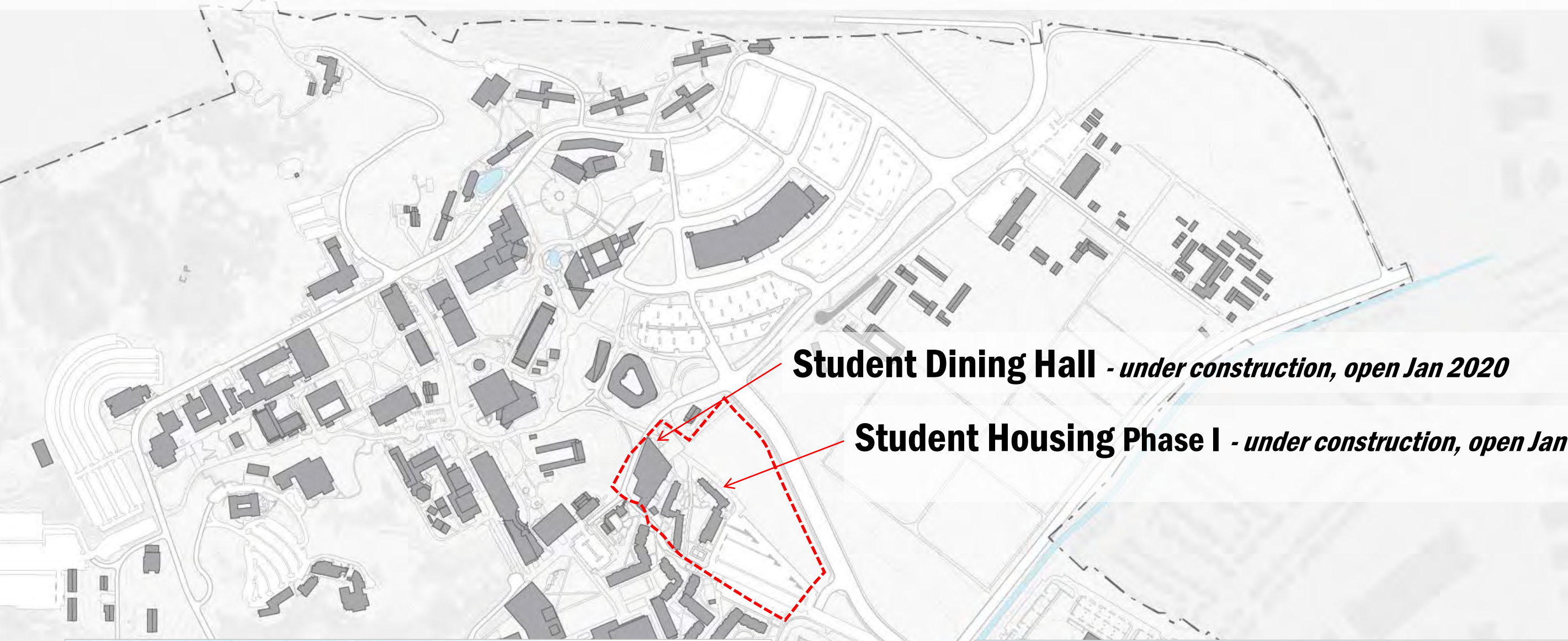
## Concepts

# Synthesis + Study-Analysis

- **Student Life**

- Phase 2 housing + future FY housing sites
- Site for Center for Student Health and Wellness, and Childcare Center
- Expanding recreation + athletics
  - Soccer, track & field competition venue, future softball facility (Title IX)
  - Future Fieldhouse (arena + event center)
- Improving - Expanding Bronc Student Center

# STUDENT HOUSING REPLACEMENT PROJECT - PHASE 1



**Student Dining Hall** - *under construction, open Jan 2020*

**Student Housing Phase I** - *under construction, open Jan 2020*

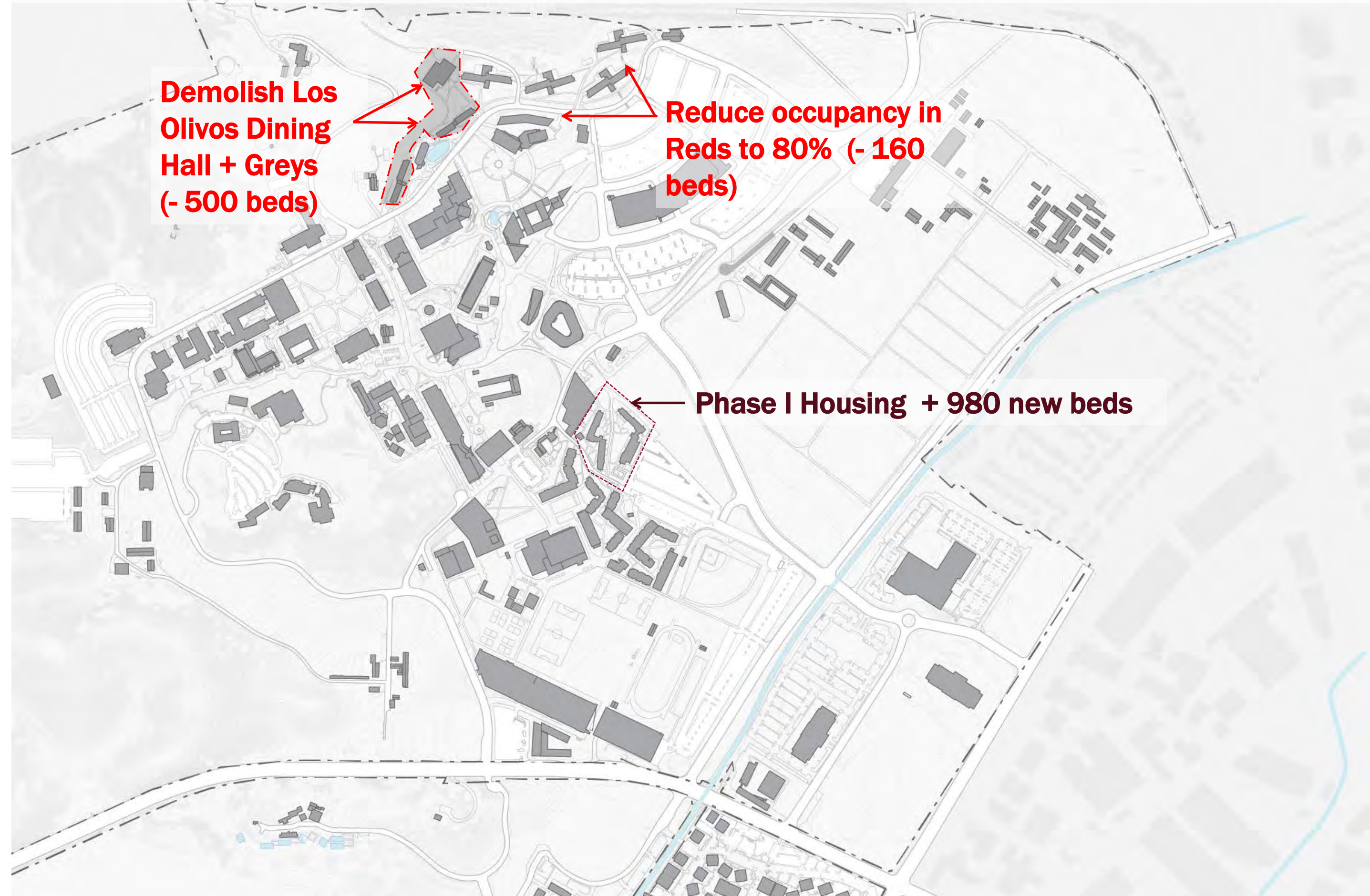


# STUDENT HOUSING REPLACEMENT PROJECT – PHASE 1

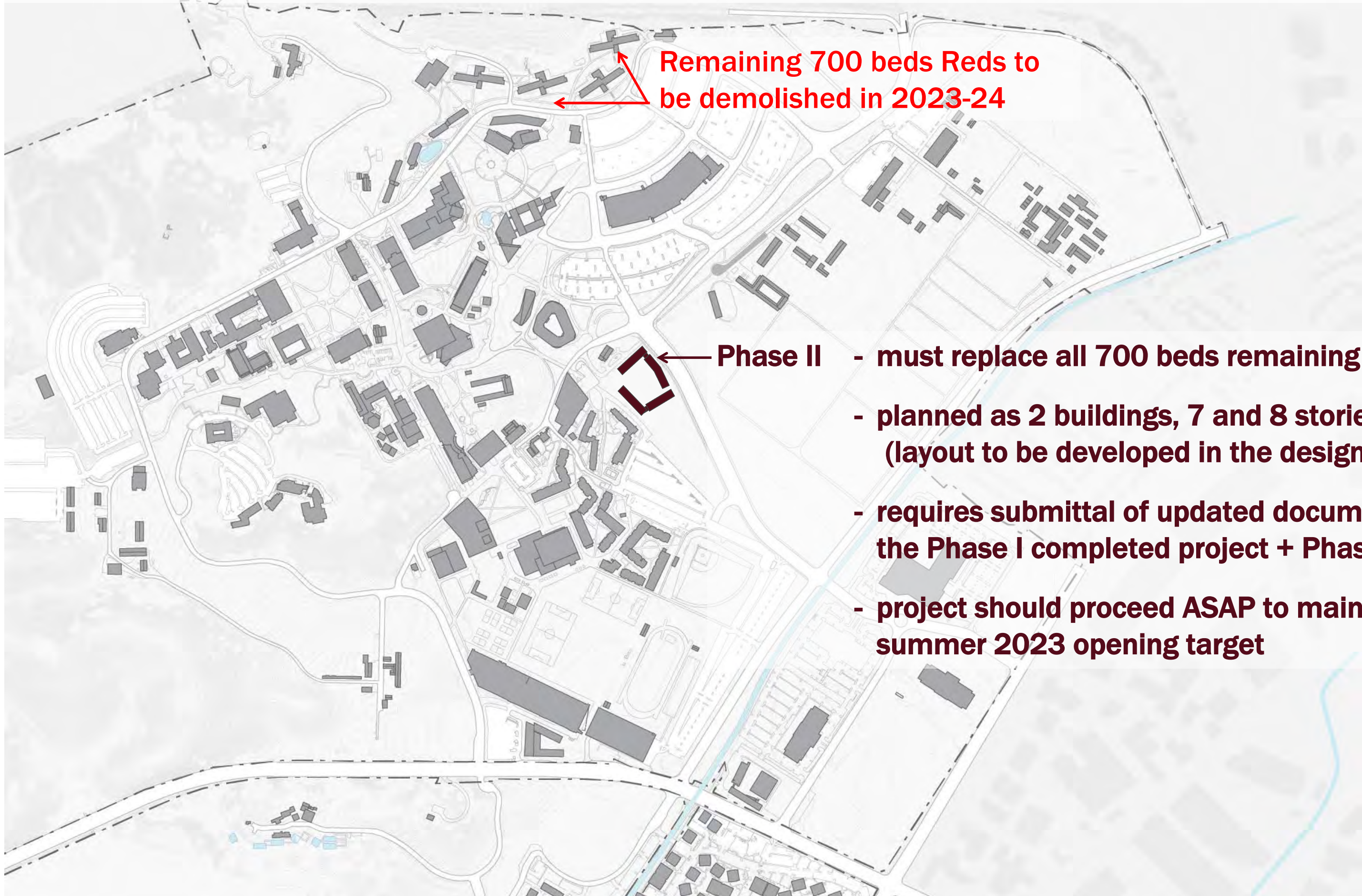
**Demolish Los  
Olivos Dining  
Hall + Greys  
(- 500 beds)**

**Reduce occupancy in  
Reds to 80% (- 160  
beds)**

**Phase I Housing + 980 new beds**



# STUDENT HOUSING REPLACEMENT PROJECT – PHASE 2

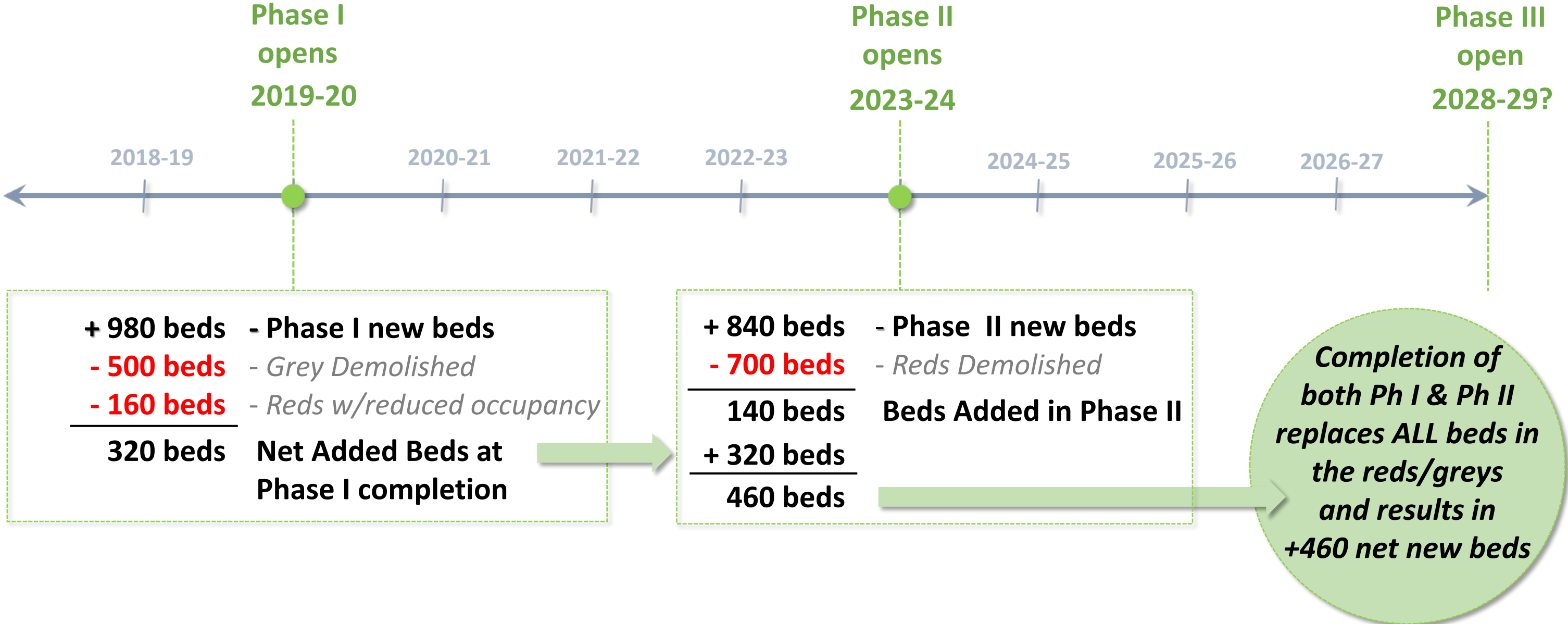


Remaining 700 beds Reds to be demolished in 2023-24

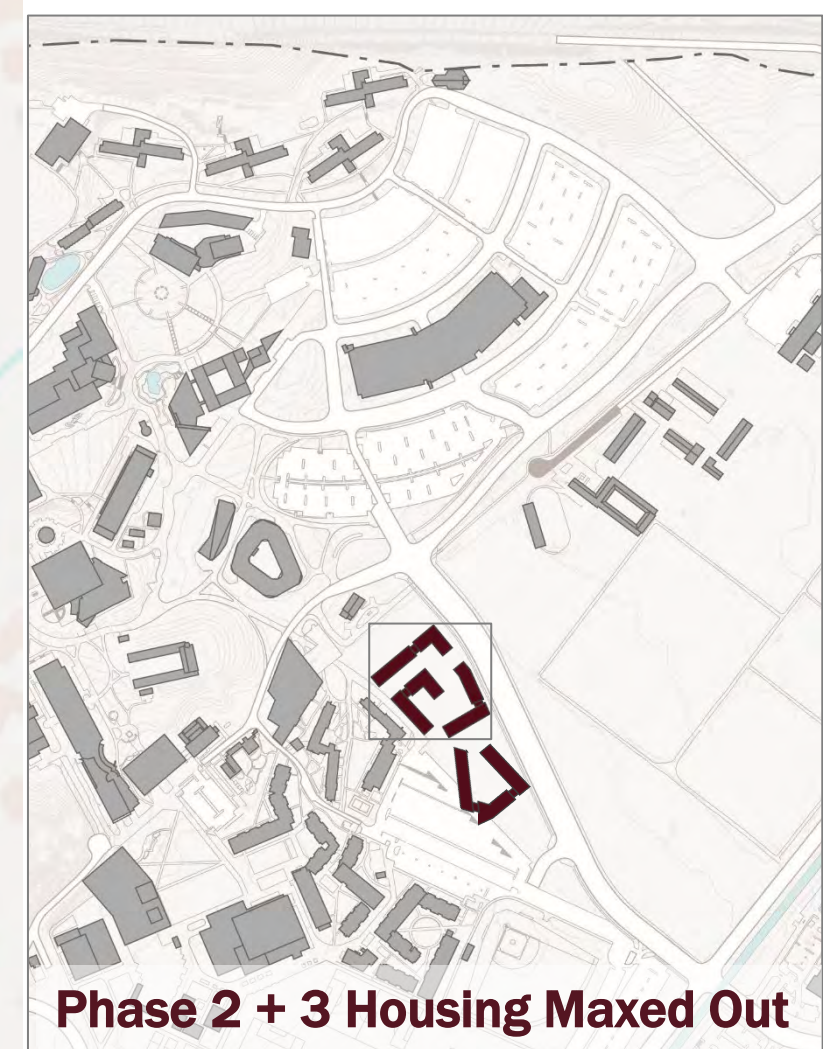
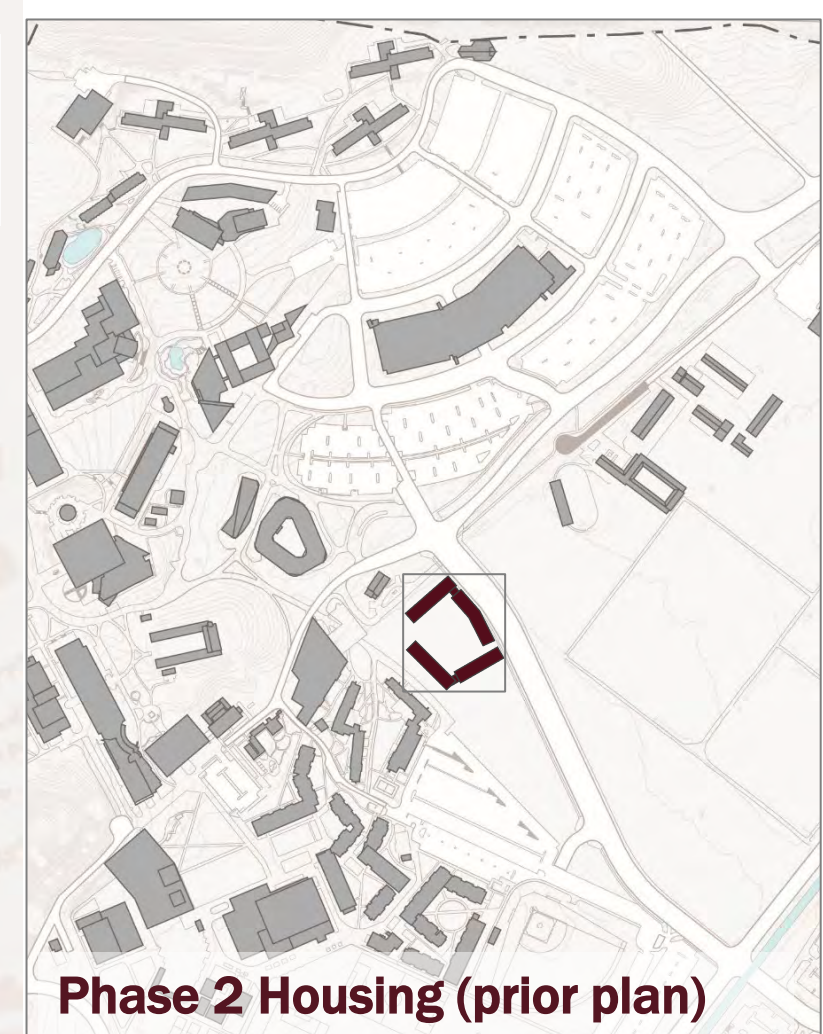
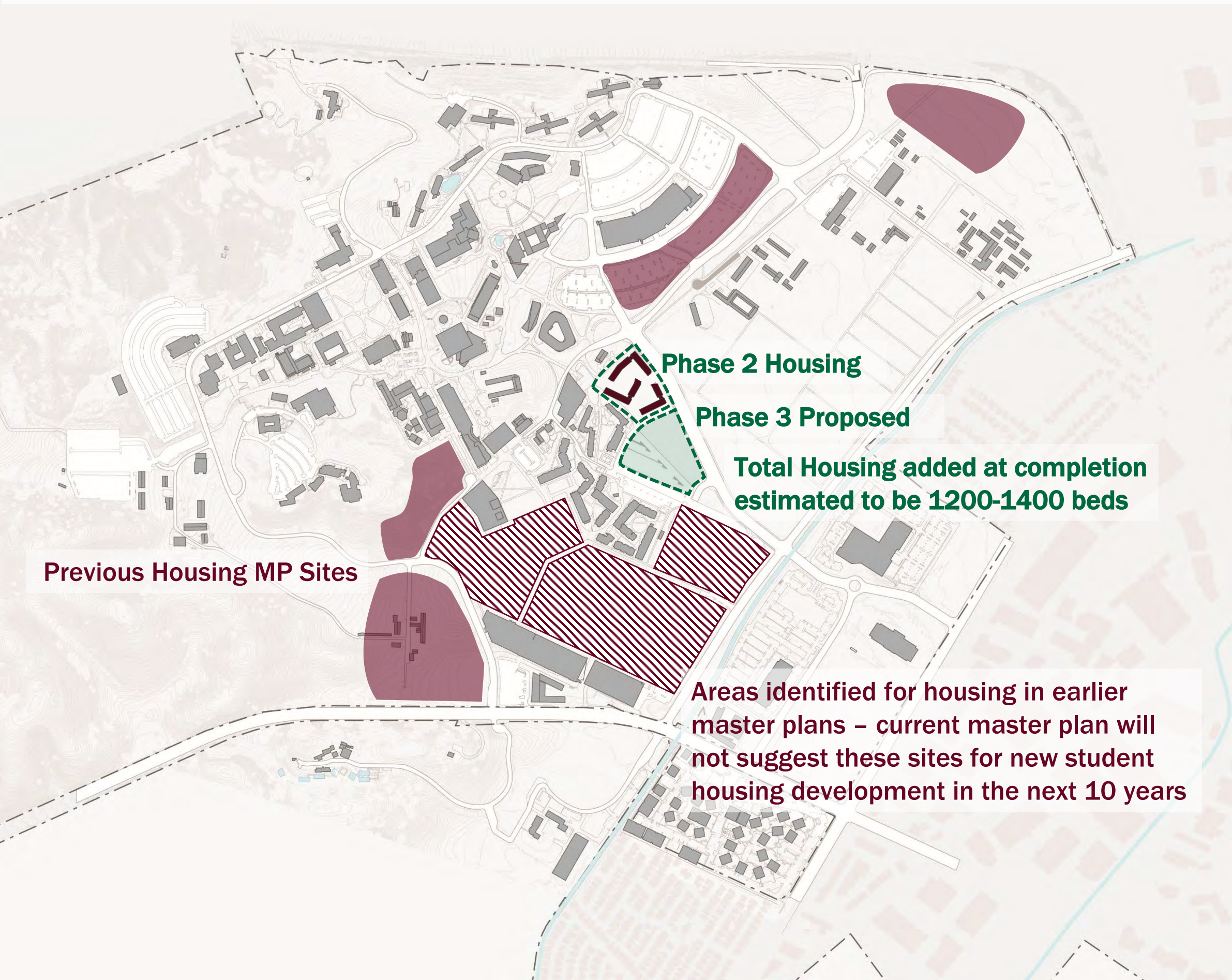
Phase II

- must replace all 700 beds remaining in Reds
- planned as 2 buildings, 7 and 8 stories (layout to be developed in the design phase)
- requires submittal of updated documents for the Phase I completed project + Phase II plan
- project should proceed ASAP to maintain summer 2023 opening target

# STUDENT HOUSING BED COUNTS



# STUDENT HOUSING MP SITES

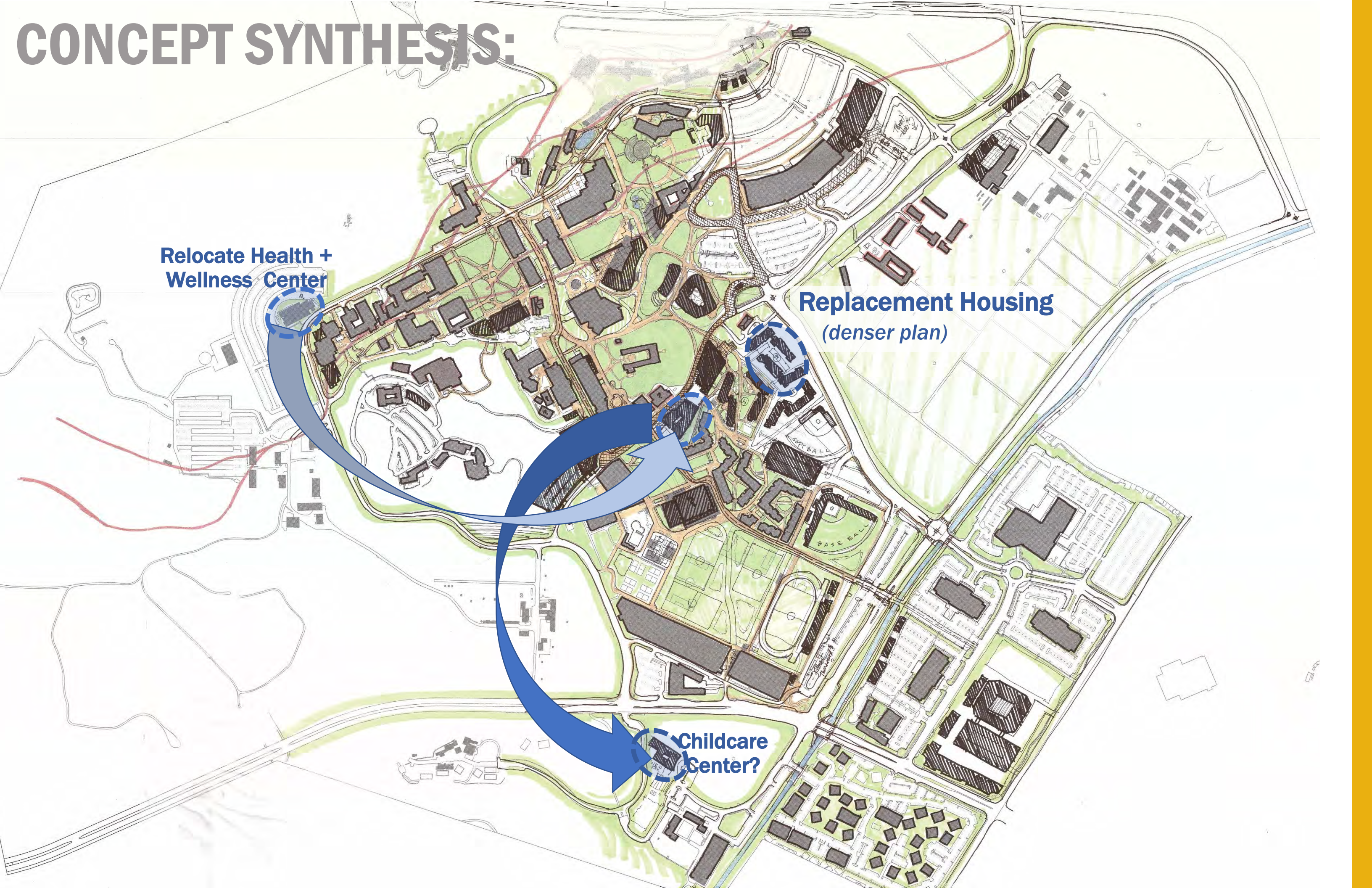


# CONCEPT SYNTHESIS:

Relocate Health + Wellness Center

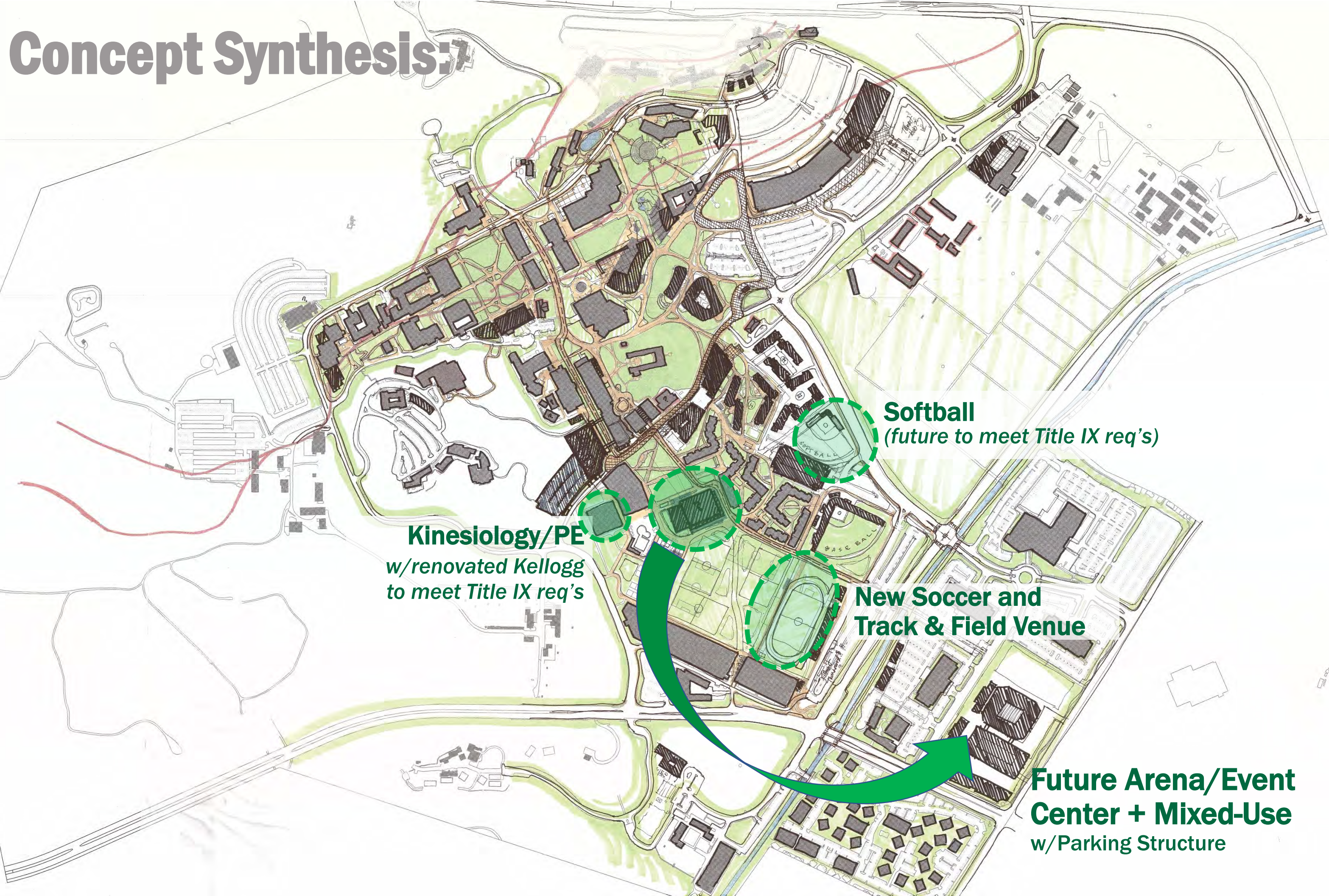
Replacement Housing  
(denser plan)

Childcare Center?





# Concept Synthesis



**Softball**  
*(future to meet Title IX req's)*

**Kinesiology/PE**  
*w/renovated Kellogg  
to meet Title IX req's*

**New Soccer and  
Track & Field Venue**

**Future Arena/Event  
Center + Mixed-Use**  
*w/Parking Structure*

Facility | Area Studies

# Bronco Student Center

---

- plaza seating + shade project
- planning study for facility improvement-expansion



## Proposed planning/design process:

- ✓ **Meet with staff and stakeholders** -- *start w/ASI Facilities + Operations Committee (suggest a 'working group' to manage the process)*
- ✓ **Investigate options + constraints** - especially for shade structures (*existing subsurface structures or utilities, etc.*)
- ✓ **Facilitate an open workshop** to gain additional input from students, staff, faculty
  - challenges/opportunities (*BSC in general*)
  - priorities exercise for plaza project
  - survey visual preferences for furnishings and shade structures
- **Document workshop input and share with stakeholders**  
*(ASI F+O Committee, Foundation, CPP Planning + Facilities, MP Advisory Committee, format to post on MP and ASI websites)*
- **Develop design concepts** (*with alternatives as appropriate, review with the working group to identify preferred concept*)
- **Present the proposed concept** (*with a cost estimate + documentation of the process and student input*)

# STUDENT ENGAGEMENT



# OPEN FORUM SET-UP

<http://polycentric.cpp.edu/2018/12/students-give-input-on-bsc-campus-seating-at-master-plan-open-forum/>



# 63

## Total Students Participated

electrical engineering, chemical engineering, mechanical engineering, civil engineering, electromechanical engineering technology, computer science, biology, chemistry, agriculture, journalism, communications, management and human resources, dietetics, food and nutrition, architecture, urban planning, finance + real estate, pre-law, pre-vet, music, english and english lit, business, geology, kinesiology, anthropology, Ipoly

# STUDENT ENGAGEMENT



# WHAT WAS ASKED

## **Students were asked questions related to the campus:**

- Where do they study?
- Where do they socialize?
- Where do they want and/or need more seating? and more shade?
- ‘Likes & dislikes’ about specific seating and shade elements

## **Students were asked questions related to the Bronco Student Center:**

- How much time do they spend at the BSC?
- What are they doing there?
- Where do they study? socialize?
- Where do they want and/or need more seating? and more shade?
- What are their ‘Top 5’ priorities for future improvements?



# WHAT WAS ASKED

## IN THE BSC:



PLACE DOTS HERE

Relax OR Sleep



PLACE DOTS HERE

Attend Events / Performances



PLACE DOTS HERE

Game



PLACE DOTS HERE

Collaborate/Group Study



PLACE DOTS HERE

Study Alone



PLACE DOTS HERE

Stream Video, Music, Social Media



PLACE DOTS HERE

Read



PLACE DOTS HERE

Access Technology



PLACE DOTS HERE

Socialize / Hang Out



PLACE DOTS HERE

Meditation / Group Exercise



PLACE DOTS HERE

Eat Lunch



PLACE DOTS HERE

Access Academic Resources & Tutoring



PLACE DOTS HERE

Retail / Shop



PLACE DOTS HERE

Print / Makerspace / Craft



PLACE DOTS HERE

Outdoor ASI / Community Events



PLACE DOTS HERE

Morning Coffee



PLACE DOTS HERE

ASI, Clubs, SC Orgs



PLACE DOTS HERE

Use Student Services



PLACE DOTS HERE

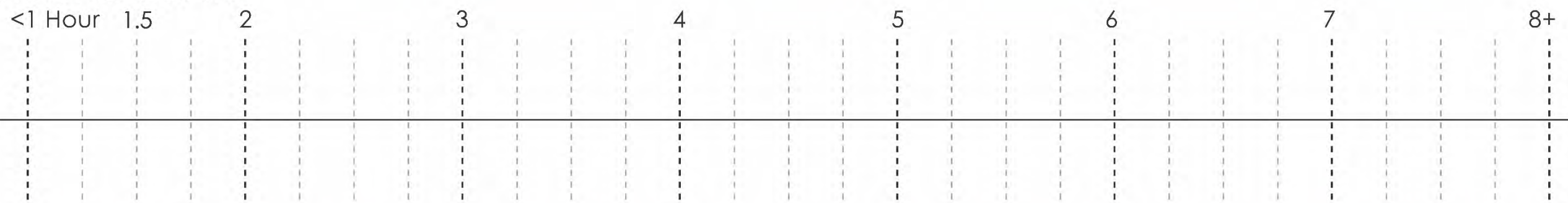
IT Services / Help Desk



PLACE STICKY NOTE HERE!

Other - Write on Sticky Note

## ON A TYPICAL DAY:



## AROUND THE BSC:



PLACE DOTS HERE

Childcare Services



PLACE DOTS HERE

Bookstore



PLACE DOTS HERE

Sif Outdoors



PLACE DOTS HERE

Starbucks



PLACE DOTS HERE

View Art



PLACE STICKY NOTE HERE!

Marketplace

HOW MUCH TIME DO YOU SPEND IN THE BSC? WHAT DO YOU DO? ●

# STUDENT ENGAGEMENT



**500+**

**Total Dots Used**

**(in responses to questions)**

# STUDENT COMMENTS

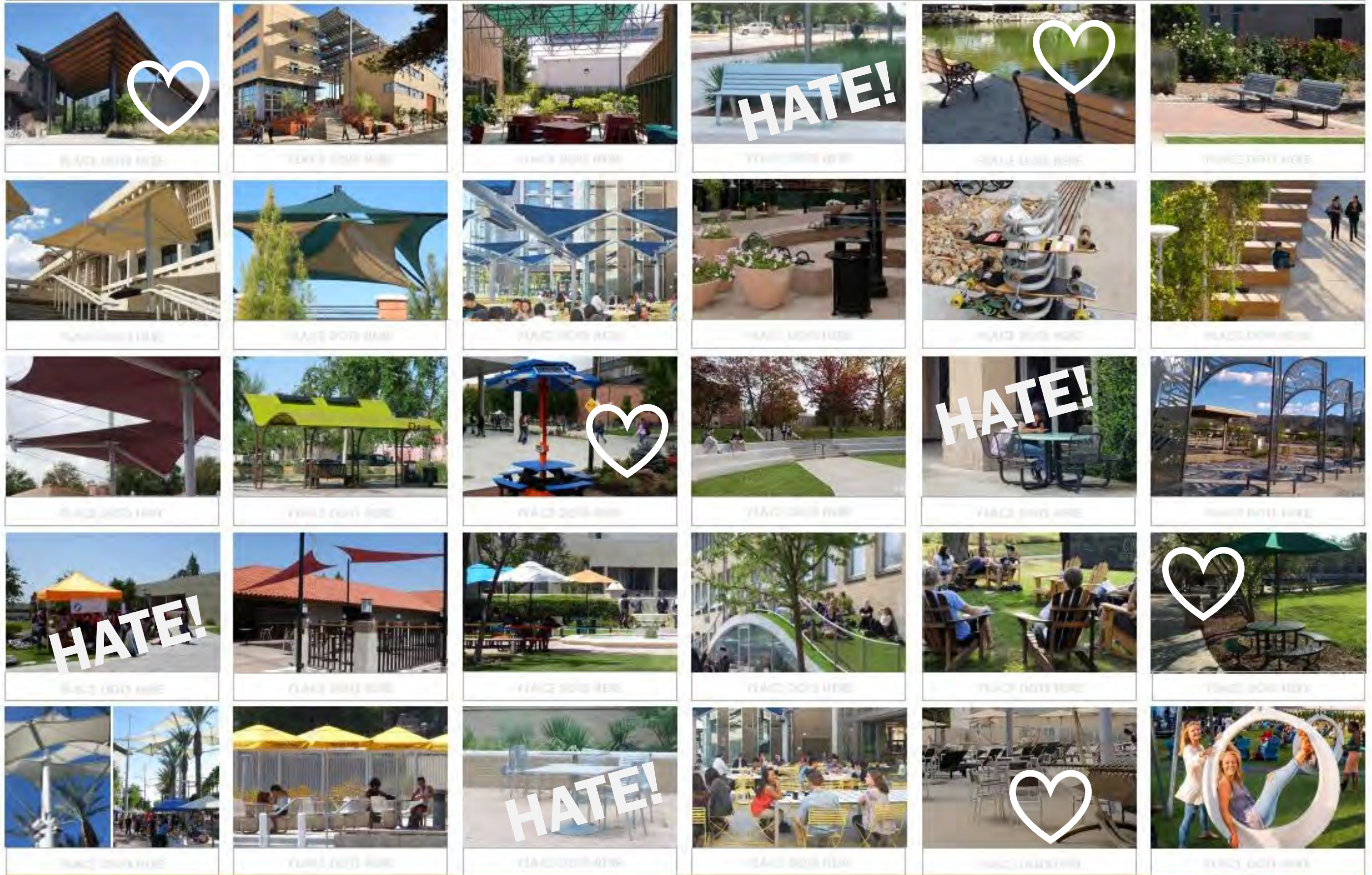


“It’s pretty exciting to see that **our input might actually be implemented** in the university’s **future plans**.”

“I think it’s cool that you’re **exploring** some of the **spaces around the BSC**, like the Childcare Services building. It’s really important to cater to **students’ and staff’s familial needs** as well.”

# SHADE/SEATING PREFERENCES

11



LOVE/HATE

LOVE ●

HATE ●

# MOST HATED!



A3M  
AMERICAN SOCIETY OF TRANSPLANT MEDICINE  
WE'RE THE MATCH

*Be the One to Save a Life*  
Register today  
to be a marrow or  
blood stem cell donor  
DONOR CENTER FOR BE THE MATCH

BE THE MATCH  
Marrow  
Donor  
Registry  
Drive  
HERE

BRONCO STUDENT

welcome to the  
BRONCO

# SHADE/SEATING PREFERENCES

## #1 ♡

- charging outlets
- solar powered
- wifi booster
- shade built-in
- plaza + landscape
- benches not chairs
- work surface / table
- for groups or individuals
- student designed + built



# SEATING PREFERENCES



- lawn (but not wet)
- choices, versatile, flexible
- bench style seating
- shaded
- landscape + hardscape
- work surface / table
- groups or individuals





# SHADE PREFERENCES

- shades a larger area
- shapes a space
- plaza + landscape
- work surface / table
- groups or individuals



# BSC PRIORITIES SURVEY

## BSC IMPROVEMENT

1.  
more / better  
food options  
+ more  
seating/tables  
in the food  
court area

primary identity  
as a  
student center  
with space for  
programs, events  
+ activities

## BSC IMPROVEMENT

1.  
primary identity  
as a  
student center  
with space for  
programs, events  
+ activities

2.  
conference  
center for  
campus,  
community,  
& industry  
mtgs/events

more / better  
food options  
+ more  
seating/tables  
in the food  
court area

## BSC IMPROVEMENT

1.  
more/better  
+ variety of  
study spaces  
individual  
study rooms  
quiet zone  
informal study

2.  
primary identity  
as a  
student center  
with space for  
programs, events  
+ activities

3.  
more / better  
food options  
+ more  
seating/tables  
in the food  
court area

## BSC IMPROVEMENT

1.  
enough space  
for all  
student center  
programs,  
events,  
activities

2.  
more/better  
study spaces  
individual  
study rooms  
quiet zone  
informal study

3.  
more / better  
food options  
+ more  
seating/tables  
in the food  
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## BSC IMPROVEMENT

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enough space  
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individual  
study rooms  
quiet zone  
informal study

3.  
more / better  
food options  
+ more  
seating/tables  
in the food  
court area

# BSC PRIORITIES SURVEY

# TOP 5



1.

more/better + variety of study spaces (individual/group study rooms, quiet space informal study)

2.

more / better food options + more seating/tables in the food court area

3.

improve indoor/outdoor connectivity w/ more/better outdoor space for study, groups, activities

4.

state-of-the-art facilities & technology supporting instruction & events/activities

5.

expand types of activity & socializing offerings (gaming, bowling, arcade, movie theater, etc.)

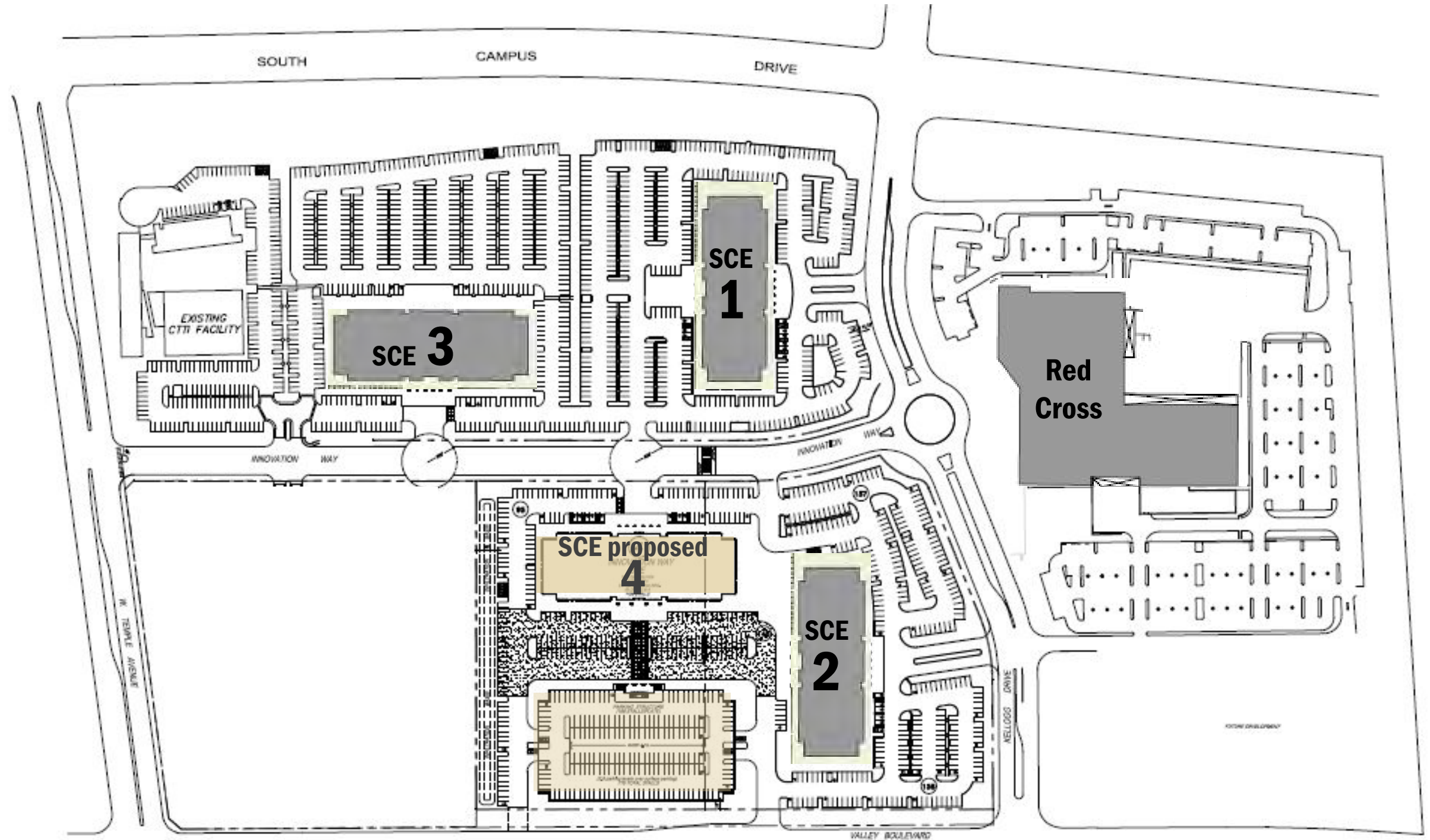
Facility | Area Studies

# Innovation Village

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- review – response to SCE revised proposal

# IV Concepts: original Trammell Crow SCE 4 proposal



**Innovation Village Research Park - Conceptual Master Plan**

Los Angeles County, CA

Proposed Southern California Edison Scheme Overall

DISCLAIMER:  
ALL INFORMATION CONTAINED HEREIN MAY BE SUBJECT  
TO CHANGE PENDING OWNER AND OR AGENCY REVIEW  
AND IS FOR INFORMATION ONLY

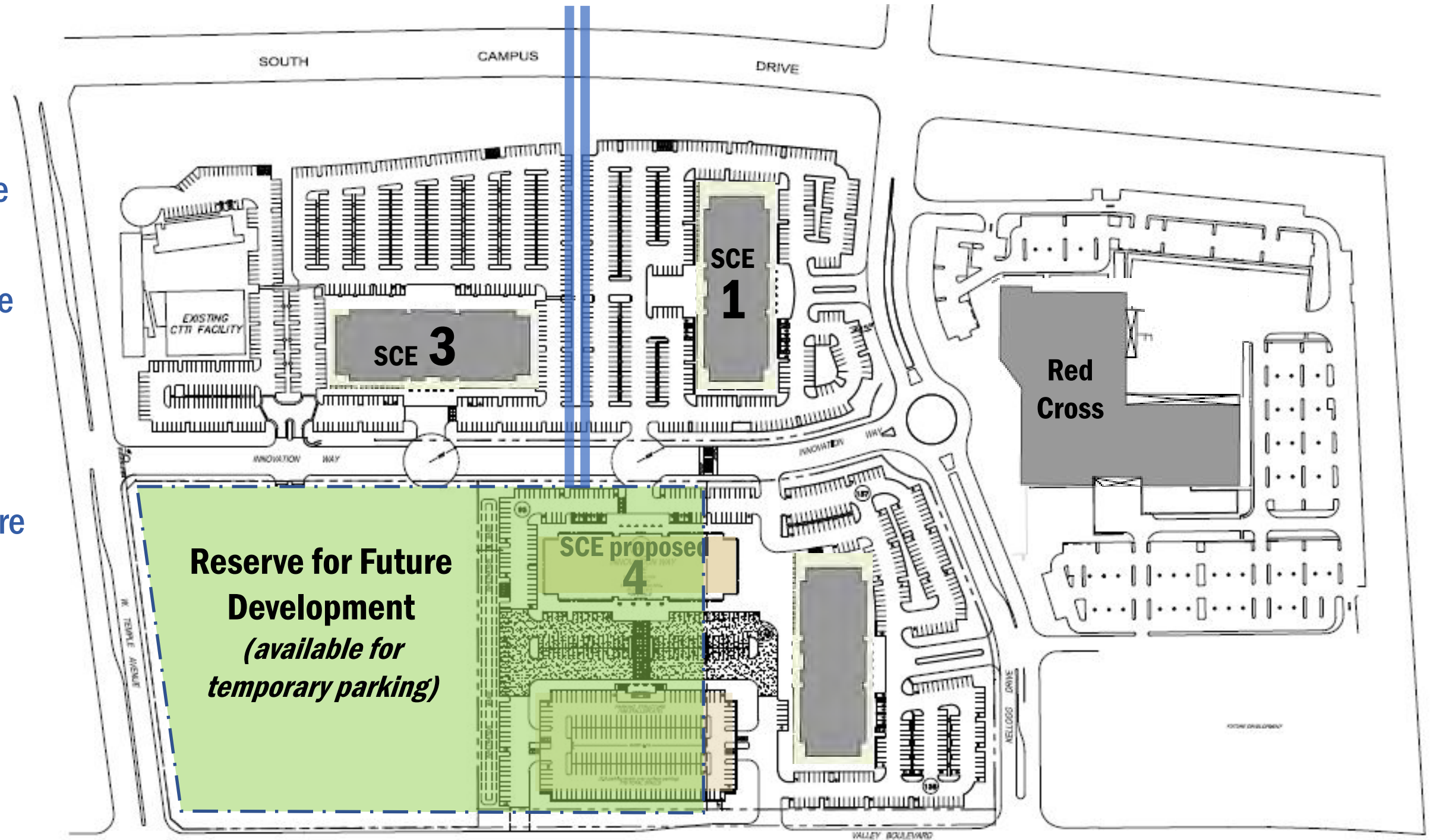
Date: 05/18/2018

Trammell Crow Company

# IV Concepts: CPP response to *Trammell Crow SCE 4 proposal*

## Comments/Constraints:

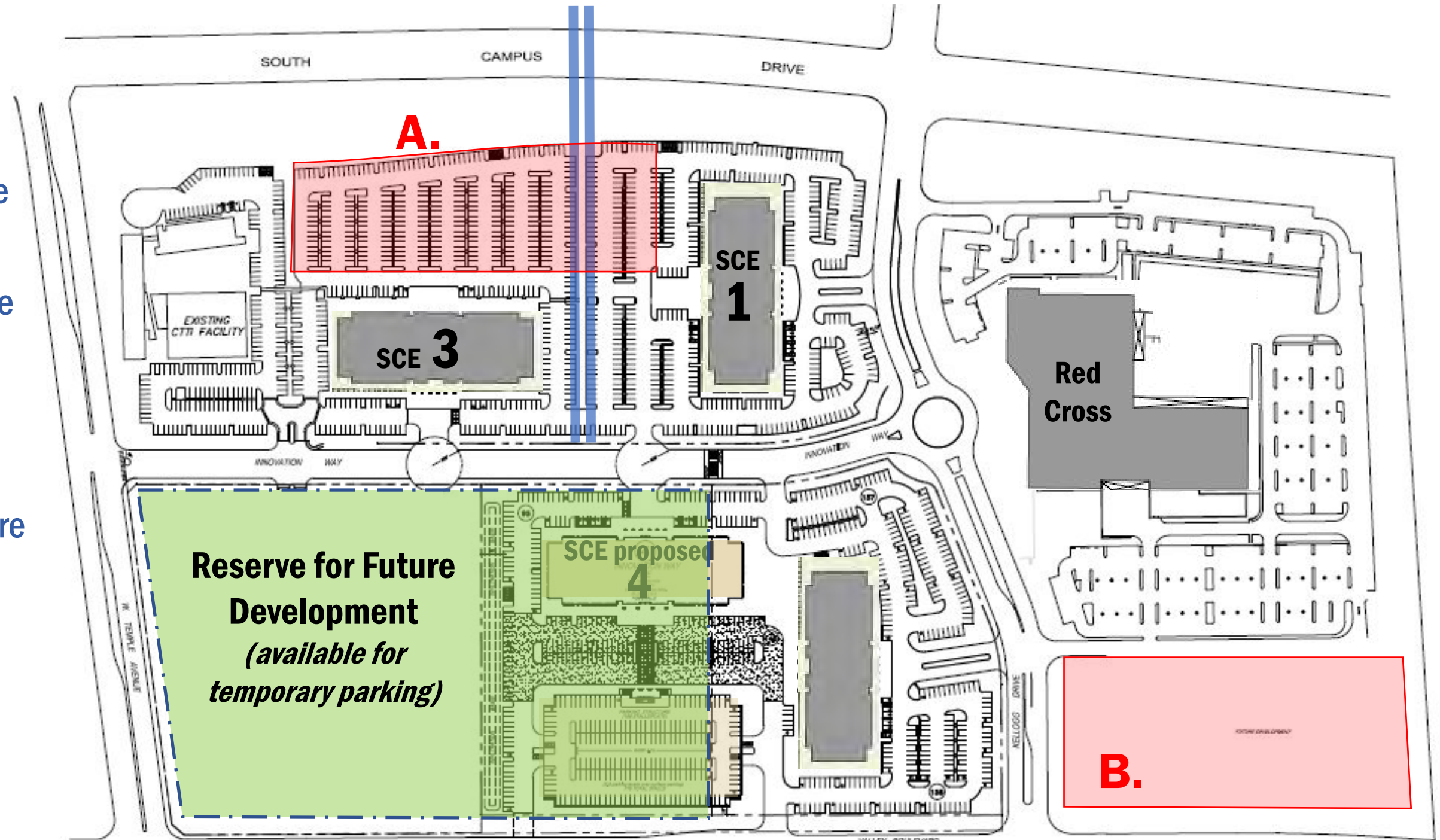
- Reserve the SW undeveloped area for more intensive mixed-use development the future
- Plan for a future ped/bike path crossing on South Campus Drive
- Increase density
- Minimize parking structure street frontage
- Be more innovative



# IV Concepts: CPP response to *Trammell Crow SCE 4 proposal*

## Comments/Constraints:

- Reserve the SW undeveloped area for more intensive mixed-use development the future
- Plan for a future ped/bike path crossing on South Campus Drive
- Increase density
- Minimize parking structure street frontage
- Be more innovative



## Suggested development approach:

- A. add development to an existing SCE parcel/building
- B. Develop smaller parcel adjacent to Red Cross (*could approach Red Cross about site for a shared parking structure*)

# Next Steps:

- **President's Cabinet Update** *February 4*
- **Space Analytics**
  - *Semester 2018 instructional space analysis* *Jan-Feb*
  - *stakeholder mtgs w/Provost's Council* *later Feb*
- **Schedule Workshop #6: Draft Plan + Phasing + Guidelines** *March*
  - **Focus Sessions:**
    - Academic Resources incl library learning commons, study space*
    - Sustainability – guidelines + recommendations*
- **Community Listening Session** *late February?*
- **Campus Forums** *April*
- **Final Workshop on Draft Plan** *May*



**Thank you!**

