

# 2021 FHDA FACILITIES MASTER PLAN

# De Anza College

TASK FORCE MEETING #6

February 16<sup>th</sup>, 2021

# SIGN-IN SHEET

## TASK FORCE

- Pam Grey
- Alicia Cortez
- Andrew Stoddard
- Bill Wishart
- Blue Kasikci
- Carol Cini
- Cheryl Owiesny
- Chris Winn
- Cindy Lee
- Daniel Acosta
- Daniel Smith
- Eric Mendoza
- Eugene Rodriguez
- Hyon Chu Yi-Baker
- Jennifer Mahato
- Mary Sullivan
- Matt Holt
- Michele LeBleu-Burns
- Patrick Gannon
- Rich Hanson
- Rosafel Nogra
- Sam Bliss
- Sarah Wallace
- Tina Lockwood
- Yuetong Zhang
- Zoe Vulpe

## DESIGN TEAM

- Deb Shepley
- Gray Dougherty
- Jessica Rothschild
- Farrokh Rostami Kia

# AGENDA

PROJECT STATUS

STUDENT FOCUS GROUPS

SUSTAINABILITY WORKSHOP

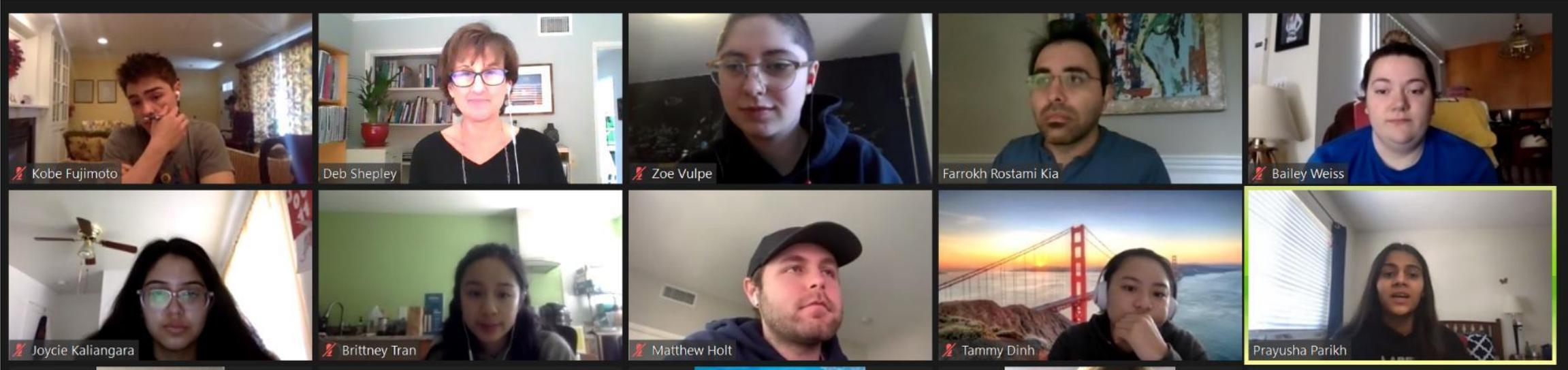
FACILITIES PLANNING PRINCIPLES

DRAFT RECOMMENDATIONS

NEXT STEPS



# STUDENT FOCUS GROUPS



# STUDENT FOCUS GROUPS

What are some of your favorite places on campus to study? And WHY?

Library

East Cottage

L Quad – Outside Area

Kirsch Center

ATC

Honors Lounge

Pool Deck, Team + Training Rooms

# STUDENT FOCUS GROUPS

What are some of your favorite places on campus to study? And **WHY**?

Library

East Cottage

L Quad – Outside Area

Kirsch Center

ATC

Honors Lounge

Pool Deck, Team + Training Rooms

- Spacious, lots of places to sit, lots of computers
- Quiet areas - few distractions
- Upstairs, loud section – good mix
- Privacy, ability to focus
- All resources are there (whiteboards, etc.)
- Tall tables- like to stand up study
- Amazing! Sometimes sleep there

# STUDENT FOCUS GROUPS

What are some of your favorite places on campus to study? And WHY?

Library

East Cottage

L Quad – Outside Area

Kirsch Center

ATC

Honors Lounge

Pool Deck, Team + Training Rooms

- Great community
- Printers, couch, blankets
- Food pantry – open to all

# STUDENT FOCUS GROUPS

What are some of your favorite places on campus to study? And WHY?

Library

East Cottage

L Quad – Outside Area

Kirsch Center

ATC

Honors Lounge

Pool Deck, Team + Training Rooms

- Like the tables

# STUDENT FOCUS GROUPS

What are some of your favorite places on campus to study? And WHY?

Library

East Cottage

L Quad – Outside Area

Kirsch Center

ATC

Honors Lounge

Pool Deck, Team + Training Rooms

- Secluded
- Amazing computer lab

# STUDENT FOCUS GROUPS

What are some of your favorite places on campus to study? And WHY?

Library

East Cottage

L Quad – Outside Area

Kirsch Center

ATC

Honors Lounge

Pool Deck, Team + Training Rooms

- Computers
- Quiet
- Couches

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ATC

Honors Lounge

Pool Deck, Team + Training Rooms

- Great people with similar goals

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# STUDENT FOCUS GROUPS

What are some of your favorite places on campus to socialize? And WHY?

Campus Center / Cafeteria

L Quad - Outside Tables

Quad

Cottage

STEM area near Science Building

Pool Deck, Team + Training Rooms

# STUDENT FOCUS GROUPS

What are some of your favorite places on campus to socialize? And WHY?

Campus Center / Cafeteria

L Quad - Outside Tables

Quad

Cottage

STEM area near Science Building

Pool Deck, Team + Training Rooms

- Food!
- Variety of areas - like the edge seating
- Lots of light
- Lots of students
- All my friends are there

# STUDENT FOCUS GROUPS

What are some of your favorite places on campus to socialize? And WHY?

Campus Center / Cafeteria

L Quad - Outside Tables

Quad

Cottage

STEM area near Science Building

Pool Deck, Team + Training Rooms

- Nice outside area
- People walk by this area a lot

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What are some of your favorite places on campus to socialize? And WHY?

Campus Center / Cafeteria

L Quad - Outside Tables

Quad

Cottage

STEM area near Science Building

Pool Deck, Team + Training Rooms

- Lots going on
- Friends are there
- People walk by

# STUDENT FOCUS GROUPS

What are some of your favorite places on campus to socialize? And WHY?

Campus Center / Cafeteria

L Quad - Outside Tables

Quad

Cottage

STEM area near Science Building

Pool Deck, Team + Training Rooms

- Great community
- Comfy furniture
- Food

# STUDENT FOCUS GROUPS

What are some of your favorite places on campus to socialize? And WHY?

Campus Center / Cafeteria

L Quad - Outside Tables

Quad

Cottage

STEM area near Science Building

Pool Deck, Team + Training Rooms

- Great people with similar goals

# STUDENT FOCUS GROUPS

Is there a place on campus where you feel a sense of belonging?

**East Cottage** – open space and resources there; very welcoming and accessible

**Kirsch Center**  
Outdoor space, super quiet, free stuff (PB sandwiches); faculty are nearby

**Cafeteria**  
Relaxing; rejuvenating

**RSS**  
Lots of services there; DSS is there

**Athletic Areas**  
Staff is great; we know each other

**Library**  
People respect each other

# STUDENT FOCUS GROUPS

Is there a place on campus where you do not feel welcomed/uncomfortable?

**Campus Center  
Lower Level**  
Dark, not enough seating

**Financial Aid Office**  
Hard to find; have to  
step down to access

**Near S Quad – dark at night**

**Portables** by tennis  
courts – super removed

**MLC**  
No seating area, just a bench  
by front door; great outdoor  
space, but no seating

**Basement of Baldwin Winery**  
PT Faculty office area

**History Center**  
Nice, but no place to  
site

# STUDENT FOCUS GROUPS

What types of spaces would you like to see developed on campus to support your success?

Gender Neutral / Accessible Restrooms

Improved Visibility + Access to Resources

Food Pantry

Areas to Rest or Nap

Centralized Tutoring

More Indoor Sitting Areas

Housing

# SUSTAINABILITY WORKSHOP

DeAnza College  
FMP 2020 Sustainability Workshop

**G2Z: NEW BUILDINGS**

- Design to Net Zero Carbon Operations
- Go All Electric
- Set embodied carbon targets for new building projects and major retrofits.
- Global CO<sub>2</sub> Emissions by Sector
- Target LEED Gold + certification

**G2Z: TRANSPORTATION**

- Electrify the College Fleet
- Expand EV charging also include for bikes, scooters,...
- Improve Bike Lock Locations

**G2Z: SEQUESTRATION**

- Climate Positive Landscape
- More bio-diversity

**WB: AIR QUALITY**

- Set air quality targets and survey spaces for performance against targets
- Pursue 3rd party Well Being Certification

**WB: INCLUSIVE DESIGN**

- Embrace Inclusive Design Principles

**WB: OUTDOOR LEARNING**

- Possible Locations
- Infrastructure Needs

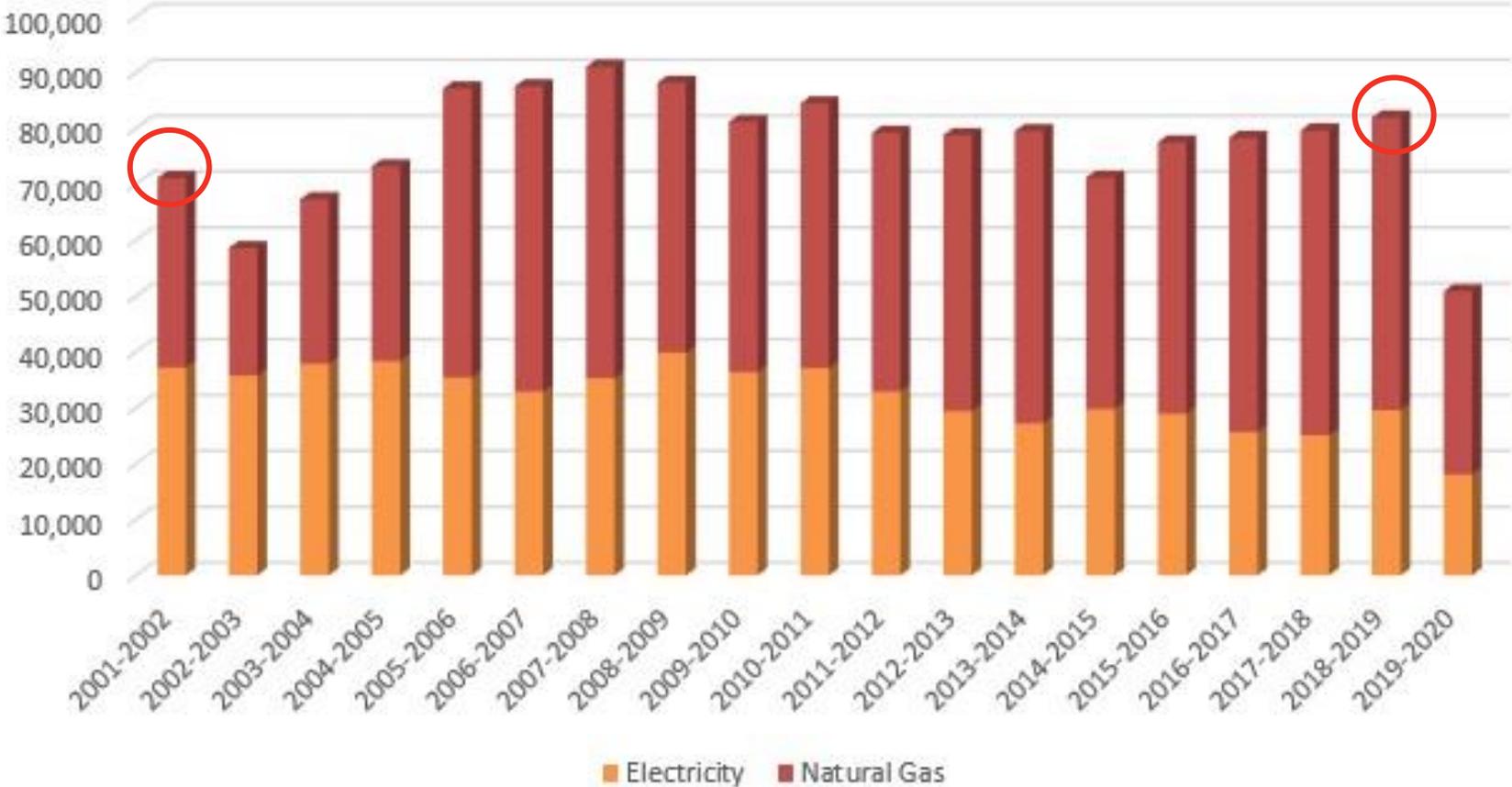
Participants in the workshop:

- Kirsten Ritchie
- Deb Shepley
- Gray Dougherty
- Bret Watson
- Mary Sullivan
- Lester Lyons
- Gay Krause
- Araceli Kaliangara
- gokce kasicki BLUE-she/her
- Cheryl

# De Anza College Total Energy Use Trend (Mbtu)

15% increase in  
total energy use  
2001 – 2019

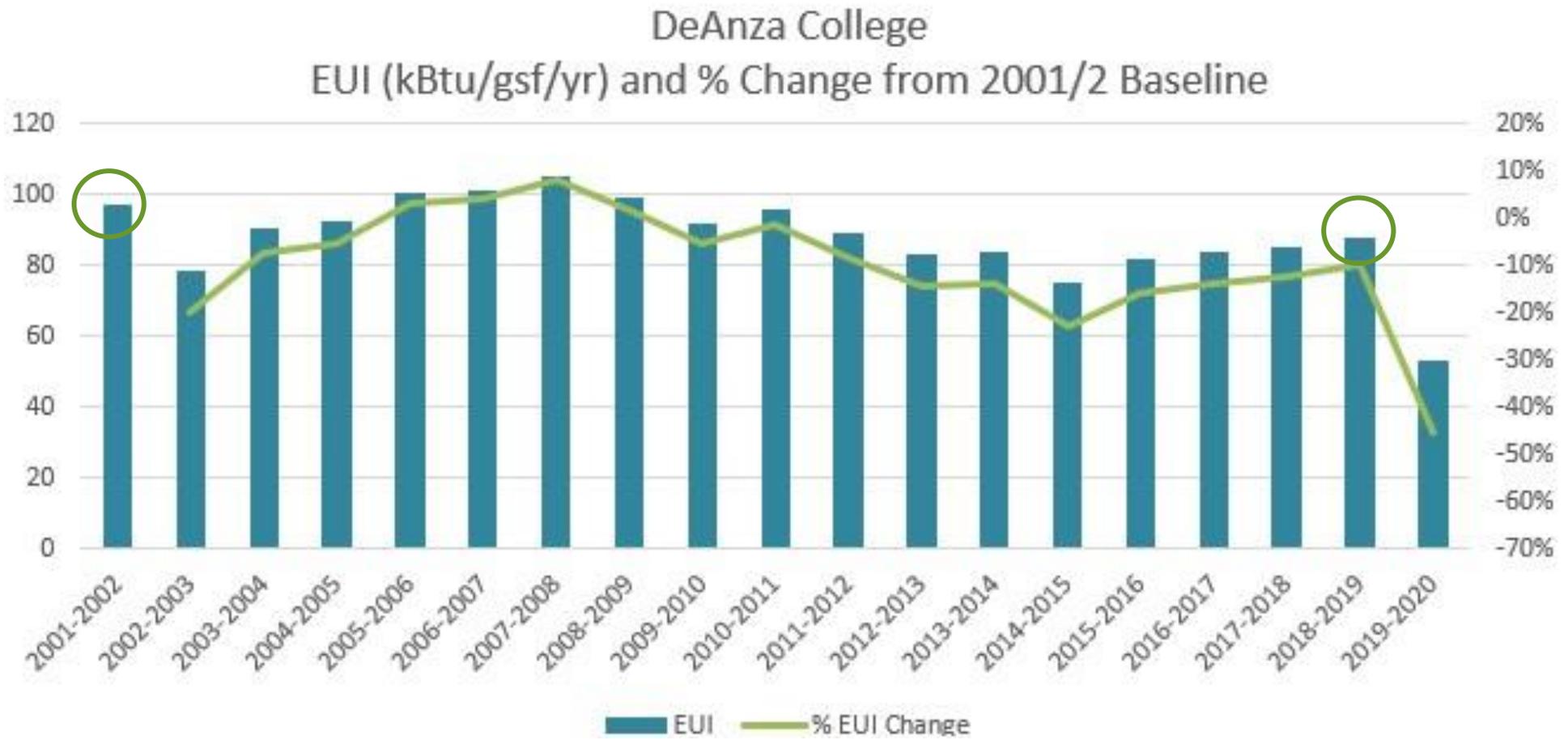
DeAnza College Total Energy Consumption (MBtu)



# De Anza College

## Energy Use Intensity Trend (kbtu/sf/yr)

10% decrease in energy use intensity (EUI) 2001 – 2019



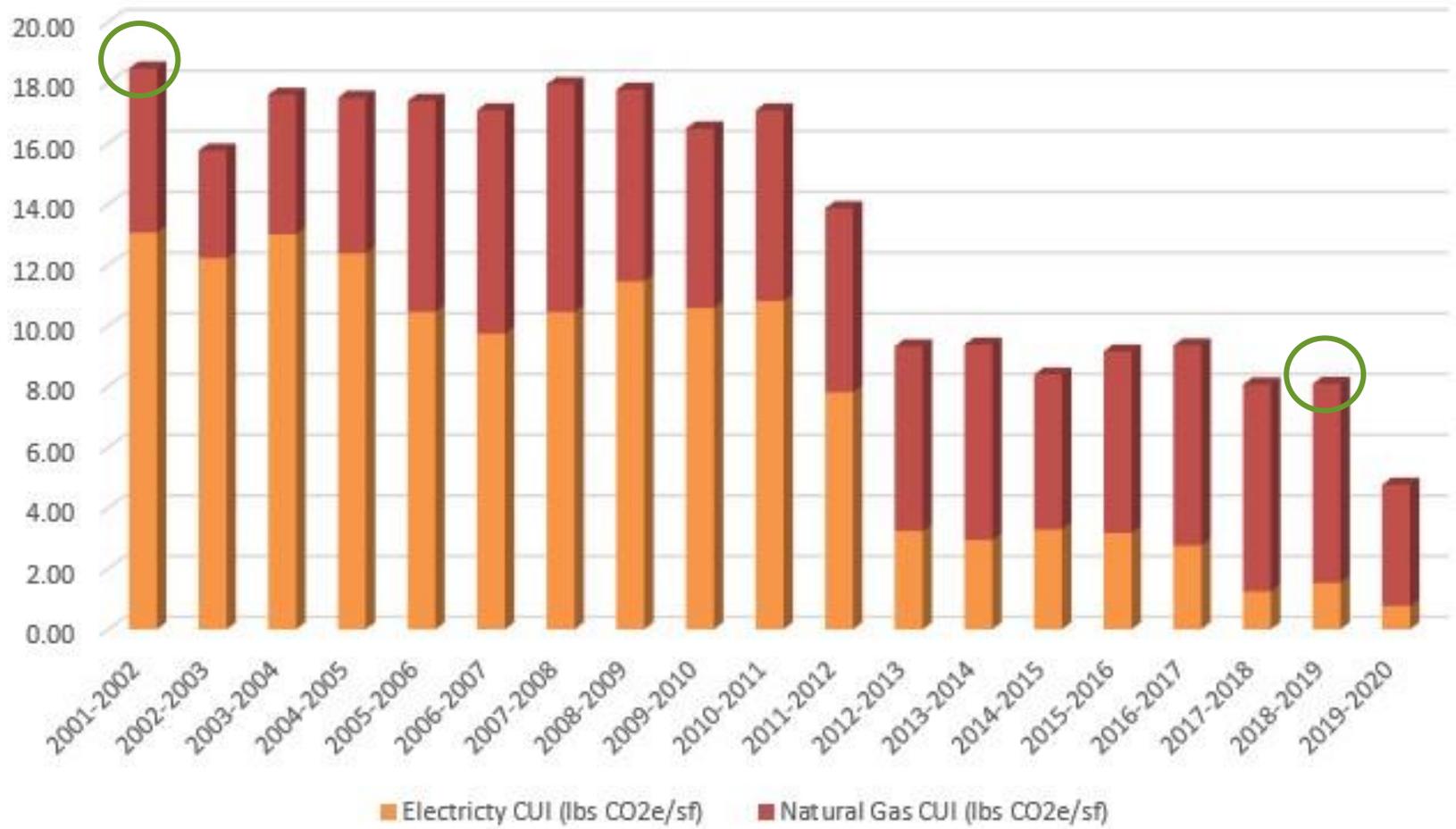
# De Anza College

## Carbon Use Intensity Trend (lbs CO2e/sf/yr)

**56%**

decrease in carbon use intensity (CUI) 2001 – 2019

DeAnza College Carbon Use Intensity (lbs CO2e/gsf)



2021 FACILITIES MASTER PLAN

# MOVING FORWARD

## A Focus on Two Key Lenses of Sustainability

### GETTING TO ZERO

- DISTRICT ENERGY SYSTEMS
- BUILDING OPERATIONS
- NEW BUILDINGS
- TRANSPORTATION
- SEQUESTRATION

### WELLBEING FOR EVERYONE

- AIR QUALITY
- INCLUSIVE DESIGN
- OUTDOOR LEARNING
- FOOD & WATER
- DIVERSITY & EQUITY

**HOW TO ENGAGE**

**REFERENCES**

**G2Z: DISTRICT ENERGY SYSTEMS**

**G2Z: BUILDING OPERATIONS**

**G2Z: NEW BUILDINGS**

**G2Z: TRANSPORTATION**

**G2Z: SEQUESTRATION**

**WB: AIR QUALITY**

**WB: INCLUSIVE DESIGN**

**WB: OUTDOOR LEARNING**

**WB: FOOD & WATER**

**WB: DIVERSITY & EQUITY**

**DeAnza College Energy Use Trend 2001-2020**

**DeAnza College EUI (kbtu/sf/yr) Trend**

**DeAnza College CUI (lbs CO2e/sf/yr) Trend**

**Invest in on-site energy storage?**

**Upgrade Demand Response**

**Design to Net Zero Carbon Operations**

**Improve Bike Lock Locations**

**Climate Positive Landscape**

**Set air quality targets and survey spaces for performance against targets**

**Embrace Inclusive Design Principles**

**Infrastructure Needs**

**Hydration Stations**

**Set D&E targets for procurement?**

**Expand On-Site Renewable Energy?**

**Broader Operating Temperatures**

**Go All Electric**

**Set embodied carbon targets for new building projects and major retrofits.**

**Global CO<sub>2</sub> Emissions by Sector**

**Improve Parking Lots**

**More bio-diversity**

**Electrify the College Fleet**

**Pursue 3rd party Well Being Certification**

**Smoke-free Campus: take final steps for no smoking areas!**

**Possible Locations**

**Gathering Spaces**

**Ventilation system - to meet the current guidelines for any infectious disease outbreak**

**Compostable Utensils/Containers**

**How to Comment**

**How to Add a Post**

**How to Vote**

**Comments**

**Reactions**

**Contributors**

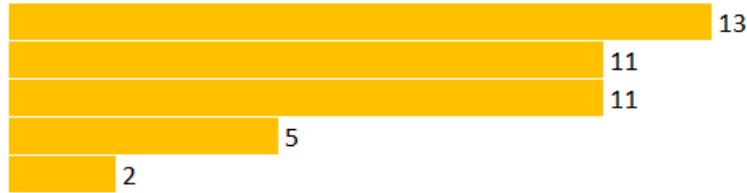
| DeAnza College FMP 2020 Sustainability Workshop |     |
|---|-----|
| Posts   | 42  |
| Comments  | 122 |
| Reactions                                       | 242 |
| Contributors                                    | 31  |

# De Anza College

## Getting to Zero

### DISTRICT ENERGY SYSTEMS

- Invest in On-Site Energy Storage
- Expand On-Site Renewable Energy
- Go All Electric
- Buy Clean Energy
- Upgrade CoGen Facilities



### BUILDING OPERATIONS

- Upgrade Demand Response
- Implement Building Energy Metering
- Broader Operating Temperatures



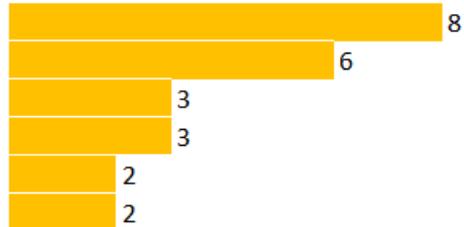
### NEW BUILDINGS

- Design to Net Zero Carbon Operations
- Target LEED+ Certification
- Go All Electric
- Set Embodied Carbon Targets
- Use Weather Resistant Exterior Materials



### TRANSPORTATION

- Improve Bike Lock Locations
- Expand EV Charging
- Electrify the College Fleet
- Improve Parking Lots
- Promote Ride-Sharing
- Uber/Lyft Barriers



### SEQUESTRATION

- Climate Positive Landscape
- More Biodiversity



**Expand On-Site Renewable Energy?**

Currently the on-site PVs at DeAnza provide about 20% of the college's yearly electricity demand (7% of the total energy demand).

11 likes

3 comments

**armstrongtom** 5d  
Yes, increase generation capacity and utilize storage on-site

**mahatojennifer** 5d  
Yes - if we can also have a viable storage solution

**Cheryl Dwiesny** 5d  
the PV on tops of new buildings

**Climate Positive Landscape**

Smart landscape design can deliver significant carbon sequestration opportunities!

<https://climatepositivedesign.com/resources/case-studies/>

15 likes

5 comments

**Anonymous** 5d  
native plants>grass lawns

**winnchristian** 5d  
Any new planting projects potentially be drought tolerant CA natives

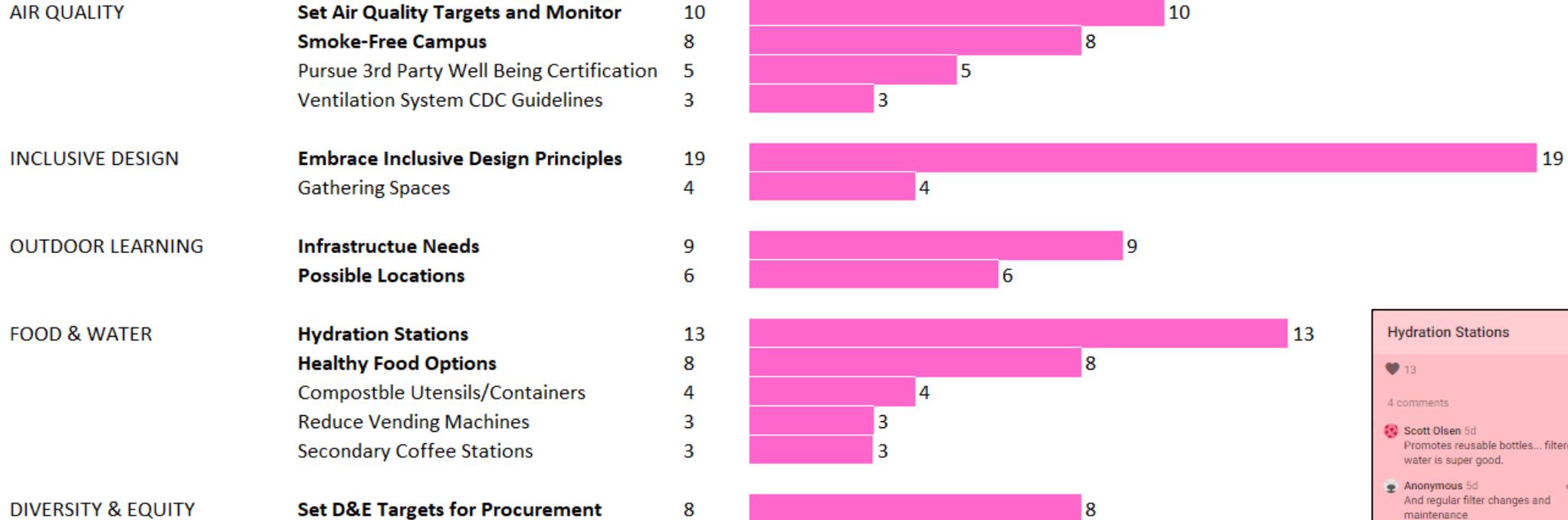
**Anonymous** 5d  
The current redwoods (?) and their failing health are evidence of the need for plants to thrive without more resource expenses

**mahatojennifer** 5d  
Consideration for low maintenance (and low cost maintenance) landscape options that is also sustainable. Code will drive "green" design options (thanks CALGREEN).

**winnchristian** 5d  
Santa Clara Valley Water District has programs in place that actually pay per square foot to convert grass areas to drought tolerant native plants

# De Anza College

## Well Being for All



### Hydration Stations

13

4 comments

**Scott Olsen** 5d  
Promotes reusable bottles... filtered water is super good.

**Anonymous** 5d  
And regular filter changes and maintenance

**Rosafel Adriano-Nogra** 5d  
Drinking fountains: Replacing all with Sustainable Drinking Fountains

**Cindy Lee** 5d  
Agree with the regular filter changes and maintenance

Add comment

### Embrace Inclusive Design Principles

Body Fit, Comfort, Awareness, Understanding, Wellness, Social Integration, Personalization, Appropriateness

INCLUSIVE DESIGN GOALS

19

7 comments

**Kyle Pascoe** 5d  
Promoting wellness with mental/physical health by partnering with psychological services/DSS/Physical Education department. Perhaps can make more inclusive promotion of health with signs/billboards/events

**Rosafel Adriano-Nogra** 5d  
Emergency access for Health Services and Mental Health

**Rosafel Adriano-Nogra** 5d  
Visibility of signs/billboards/events and accessibility

**Cindy Lee** 5d  
Universal elements (i.e. elevator buttons, doorways/entrances & ramp placement, etc.) for students w disabilities/mobility issues

**Cheryl Owlesny** 5d  
signage around campus continued to be improved.

**pippag** 5d  
more welcoming spaces in classrooms for wheelchairs. Incl. automatic doors wide enough for powered chairs.

**Cindy Lee** 5d  
Better signage on campus and along campus road

A photograph of a campus courtyard with a central fountain, young trees, benches, and a paved walkway. Two people are walking away from the camera towards the fountain. The scene is overlaid with a semi-transparent dark grey rectangle containing the title text.

# FACILITIES PLANNING PRINCIPLES

# FACILITIES PLANNING PRINCIPLES

*... for DA students to be:*

**DIRECTED +  
FOCUSED**

**ENGAGED +  
CONNECTED**

**NURTURED +  
VALUED**

**+**

*... for De Anza College to be:*

**AGILE**

**RESILIENT**

**EQUITABLE**

# DIRECTED + FOCUSED

- Create welcoming arrival experiences
- Improve access to student support services
- Increase presence and visibility of instructional support services
- Improve navigation and wayfinding
- Consolidate related programs and services



# ENGAGED + CONNECTED

- Develop indoor and outdoor spaces to support student engagement
- Provide spaces for students to socialize, study and rest
- Develop the campus to support faculty and staff collaboration
- Enhance physical connections to all areas of the campus
- Develop outward facing connections to the community



# NURTURED + VALUED

- Develop the campus as a welcoming and nurturing community
- Inspire a sense of belonging and pride for all
- Create spaces for gatherings and cultural expression
- Create equitable facilities across campus
- Develop campus to promote health and wellness



# AGILE

- Enhance collaboration across all areas of the campus
- Develop flexible, multi-purpose space to serve multiple uses
- Extend learning and study space into outdoor space
- Develop spaces to support both in person and online
- Improve functional zoning for shared supervision and sharing of resources



# RESILIENT

- Maximize land use for efficient planning
- Improve utilization of existing facilities
- Renovate or replace inefficient and underperforming facilities
- Right-size facilities to address current and future program needs
- Address regulatory requirements and emergency / safety operations
- Improve functional zoning for operational efficiencies
- Promote environmental stewardship
- Encourage alternative modes of transportation



# EQUITABLE

- Design campus from the student's perspective
- Celebrate the arts and cultural expression
- Provide a safe and universally accessible campus
- Create equitable facilities across campus



# FACILITIES PLANNING PRINCIPLES

*... for DA students to be:*

**DIRECTED +  
FOCUSED**

**ENGAGED +  
CONNECTED**

**NURTURED +  
VALUED**

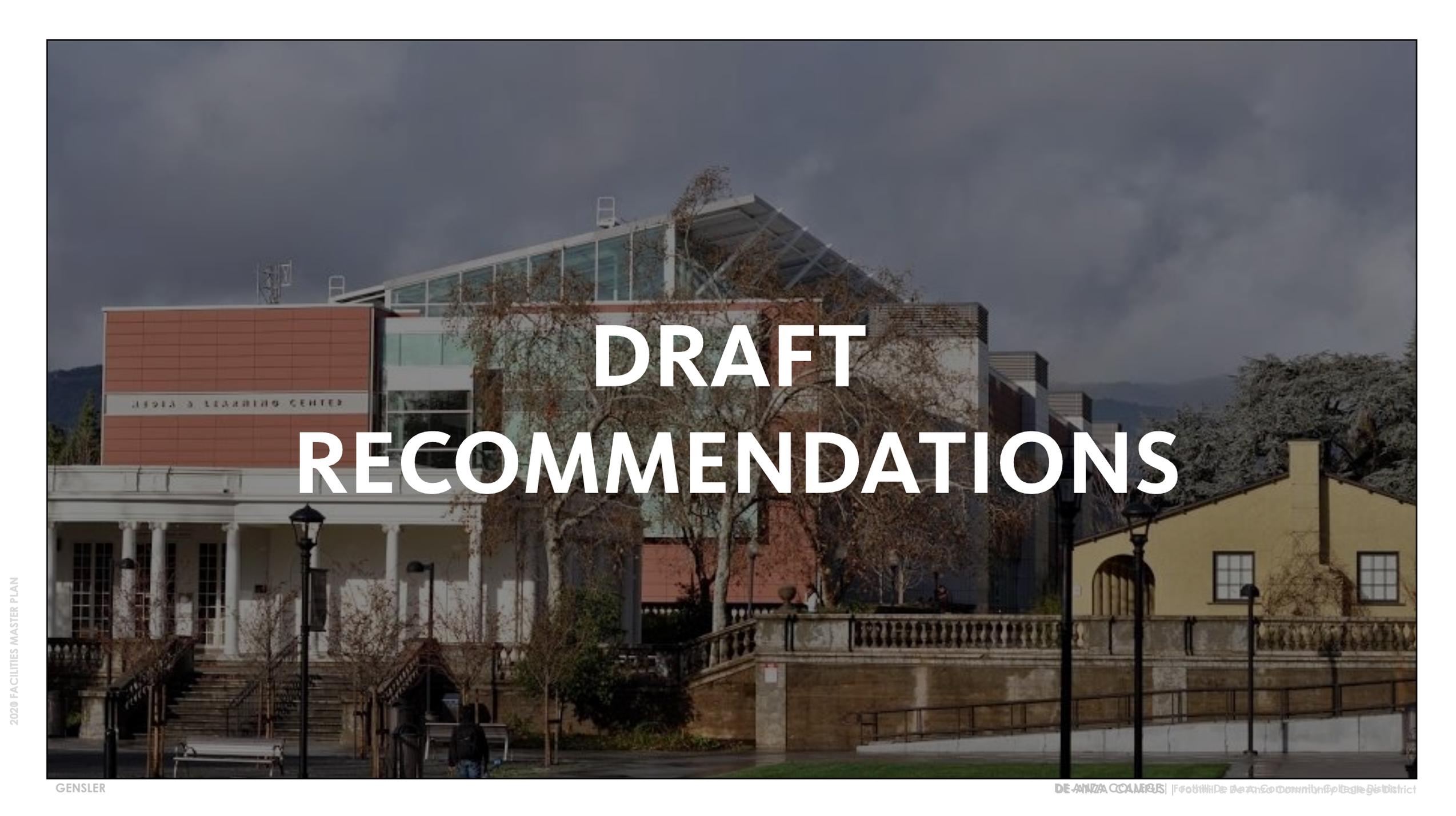
**+**

*... for De Anza College to be:*

**AGILE**

**RESILIENT**

**EQUITABLE**

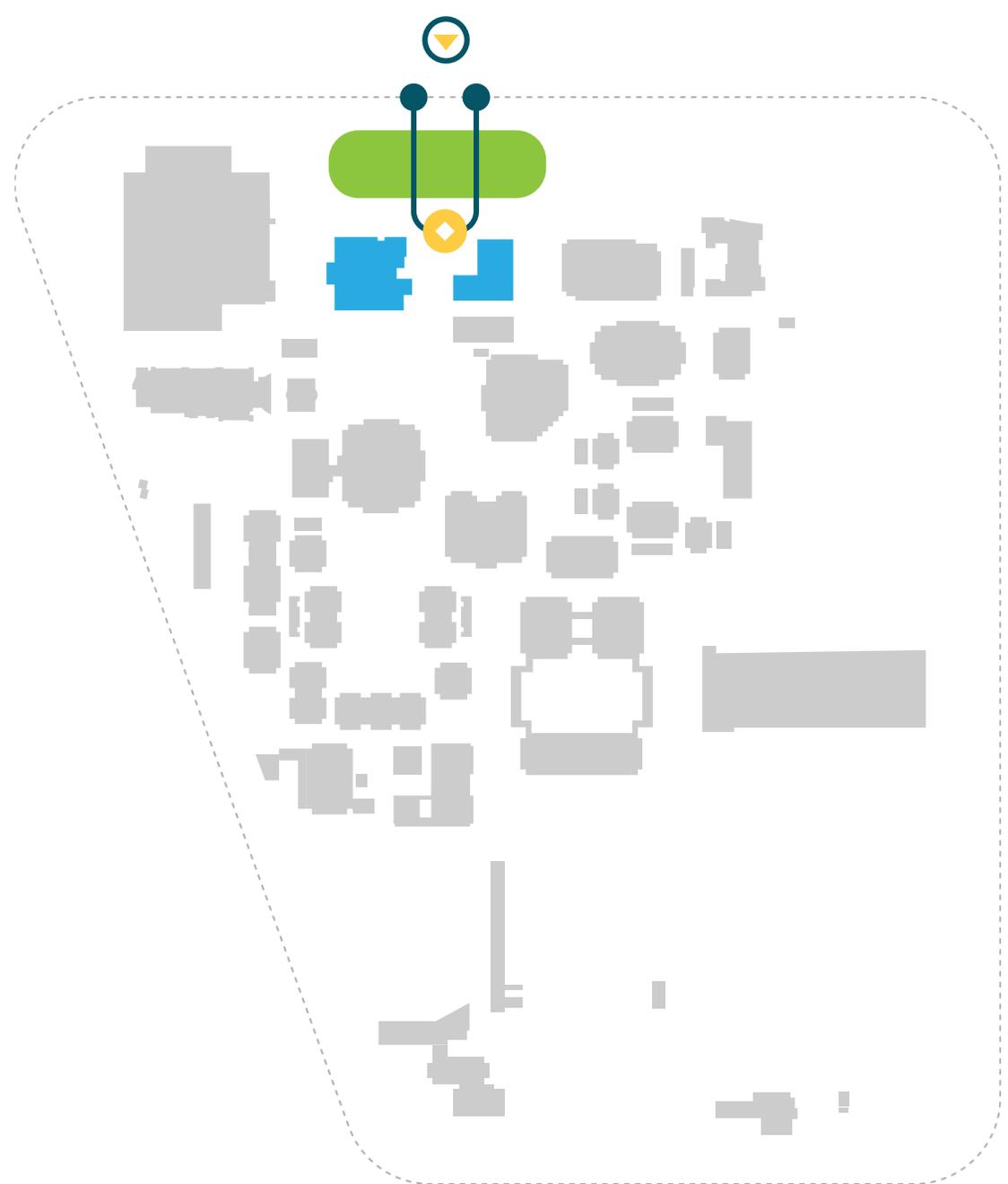


# DRAFT RECOMMENDATIONS

# DEVELOPMENT CONCEPTS

## CELEBRATE THE CAMPUS GATEWAY

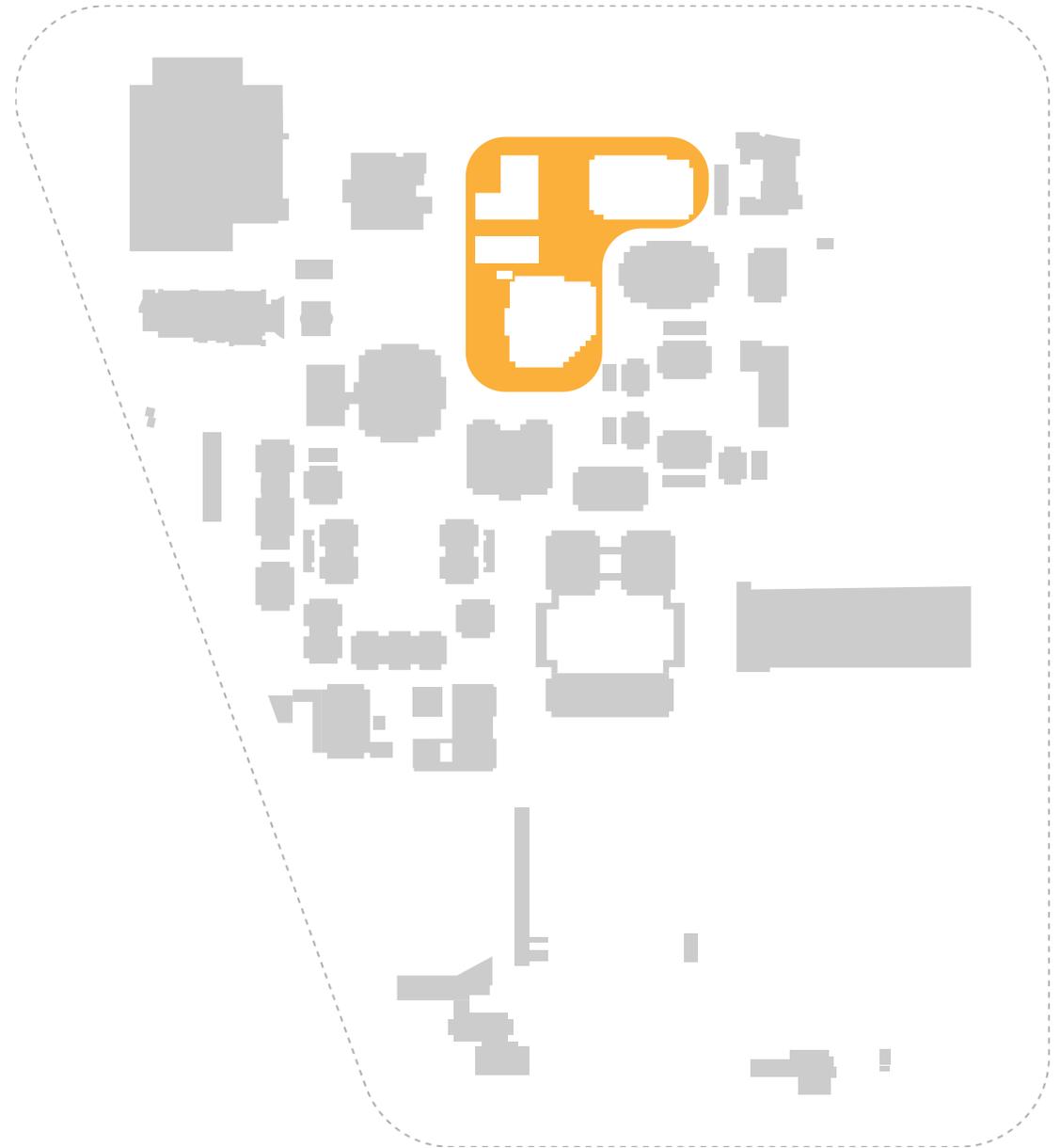
- Create a welcoming arrival experience
- Provide a safe and universally accessible campus
- Develop outward facing connections to the community
- Celebrate the arts and cultural expression



# DEVELOPMENT CONCEPTS

## ELEVATE THE STUDENT EXPERIENCE

- Improve access to student support services
- Increase presence and visibility of student services
- Improve navigation and wayfinding



# DEVELOPMENT CONCEPTS

## ENHANCE CAMPUS CONNECTIONS

- Enhance physical connections to all areas of the campus
- Develop indoor and outdoor spaces to support student engagement
- Provide spaces for students to socialize, study and rest

Additional connected paths here



# EXISTING





# DRAFT

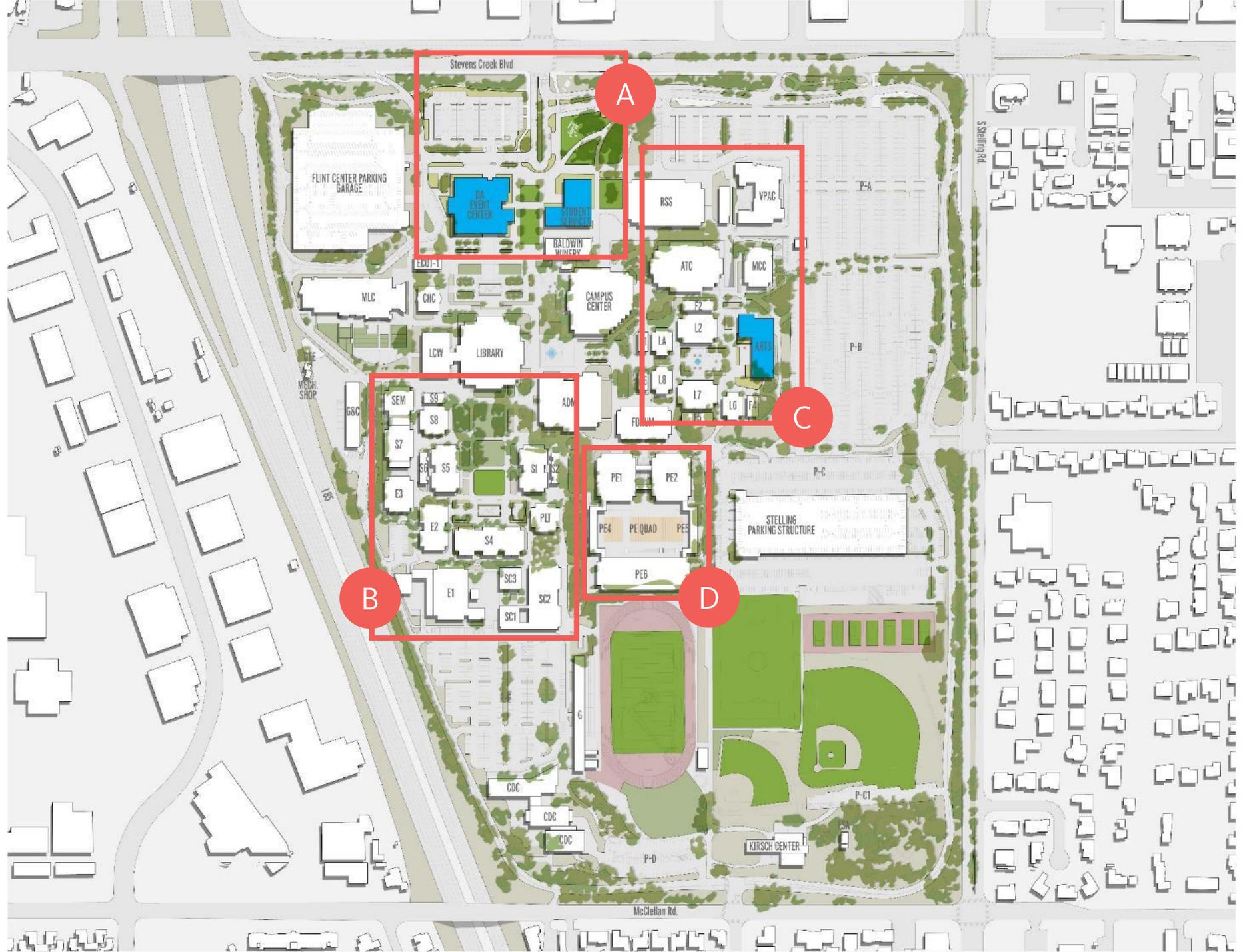


# DRAFT FMP



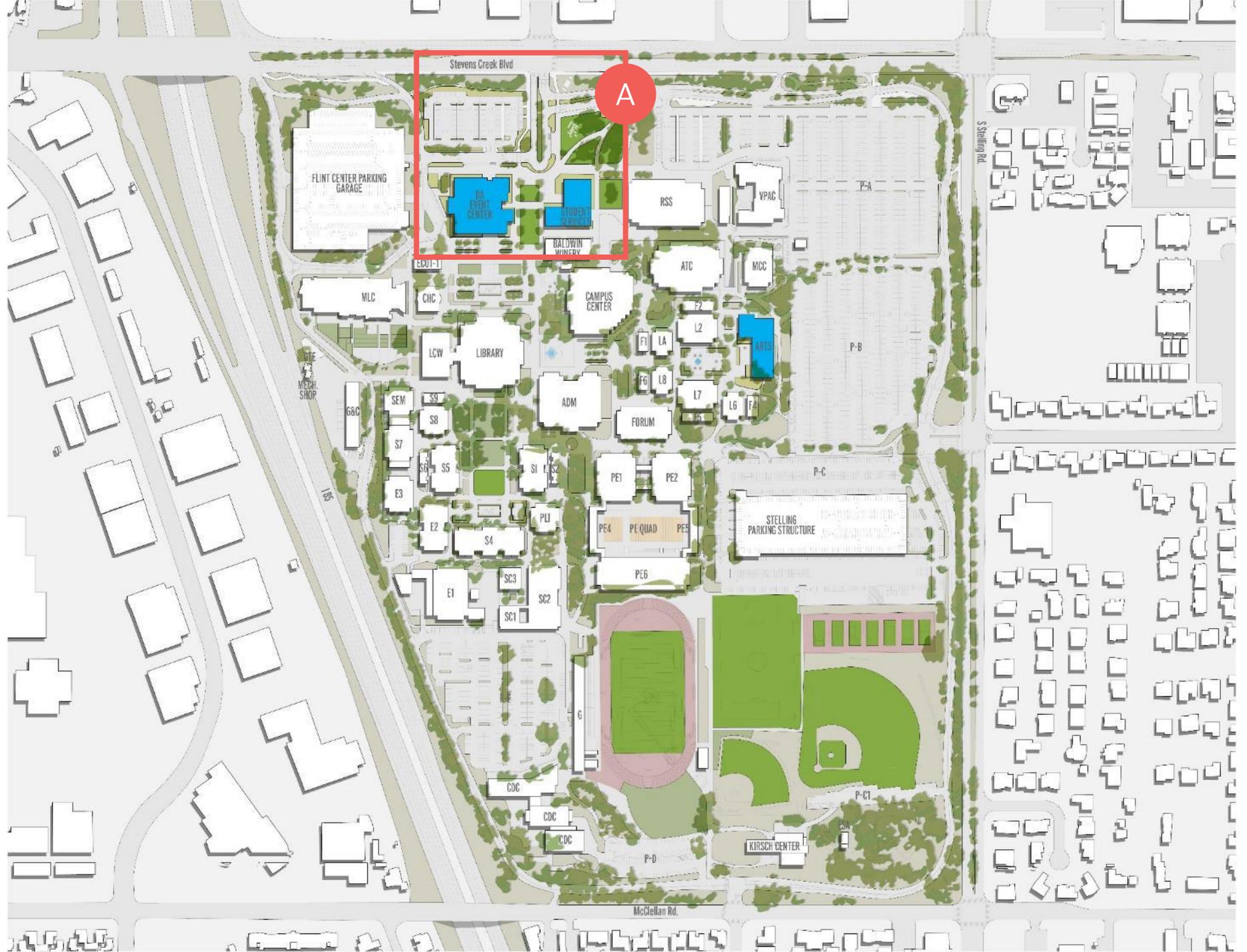
# KEY

- A** CAMPUS GATEWAY
- B** SOUTH QUAD
- C** EAST EDGE
- D** PHYSICAL EDUCATION



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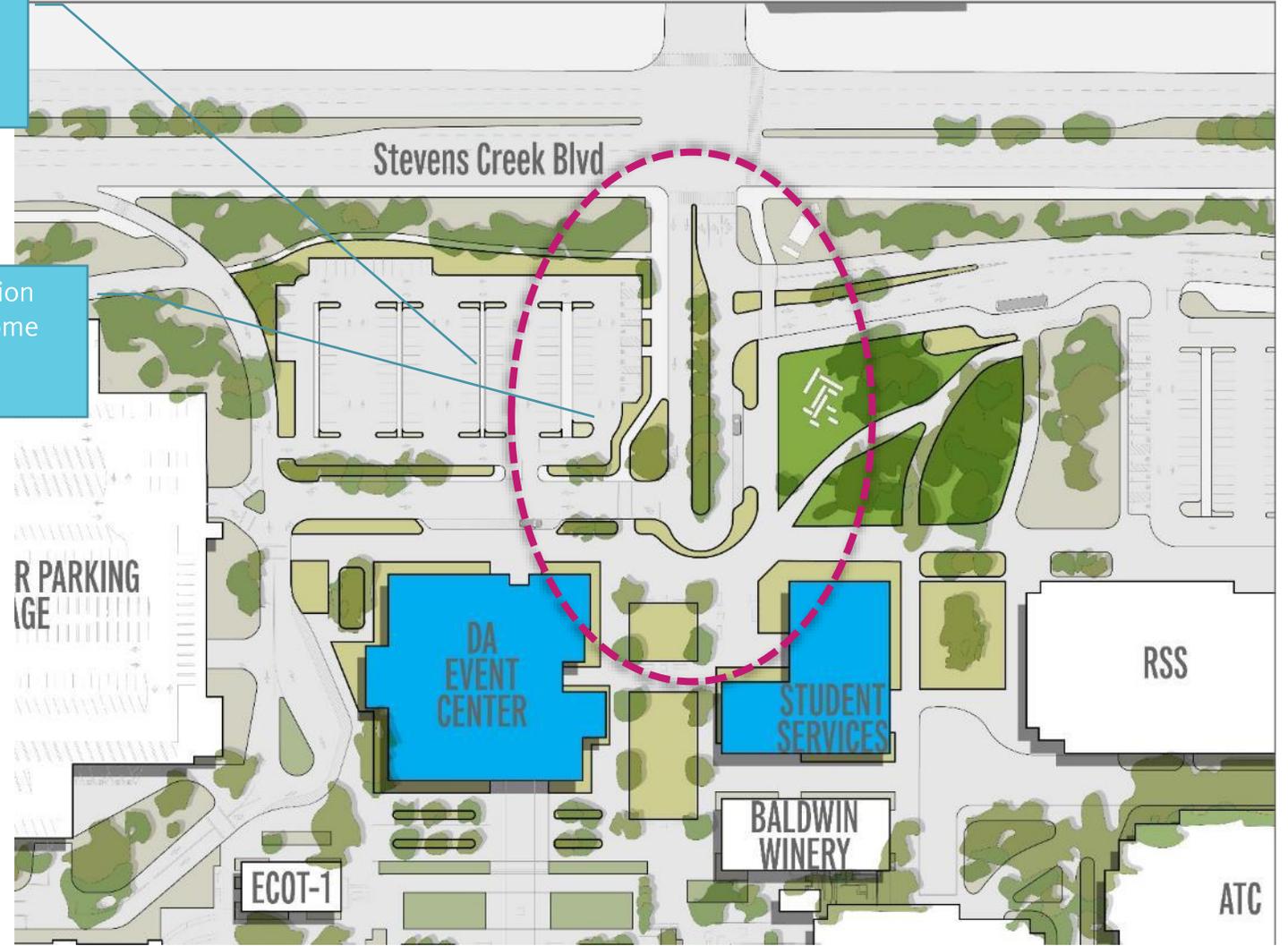


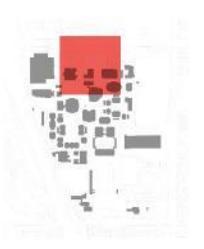
# A Campus gateway



Is parking the best use?

Transportation Hub? Welcome Center?





# A Campus gateway







## B South Quad

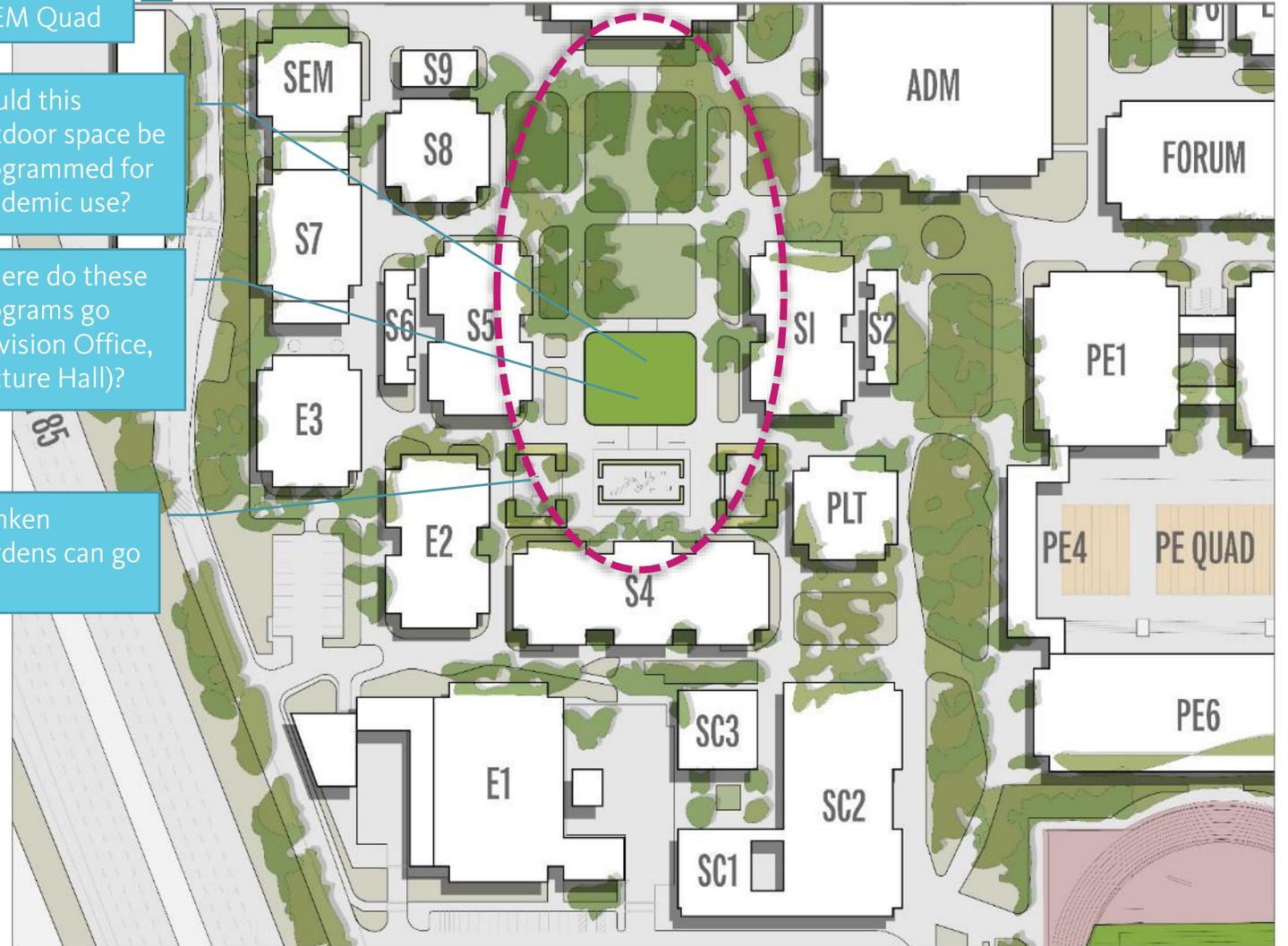
Include demolition as an alternate to renovation for S3

STEM Quad

Could this outdoor space be programmed for academic use?

Where do these programs go (Division Office, Lecture Hall)?

Sunken gardens can go



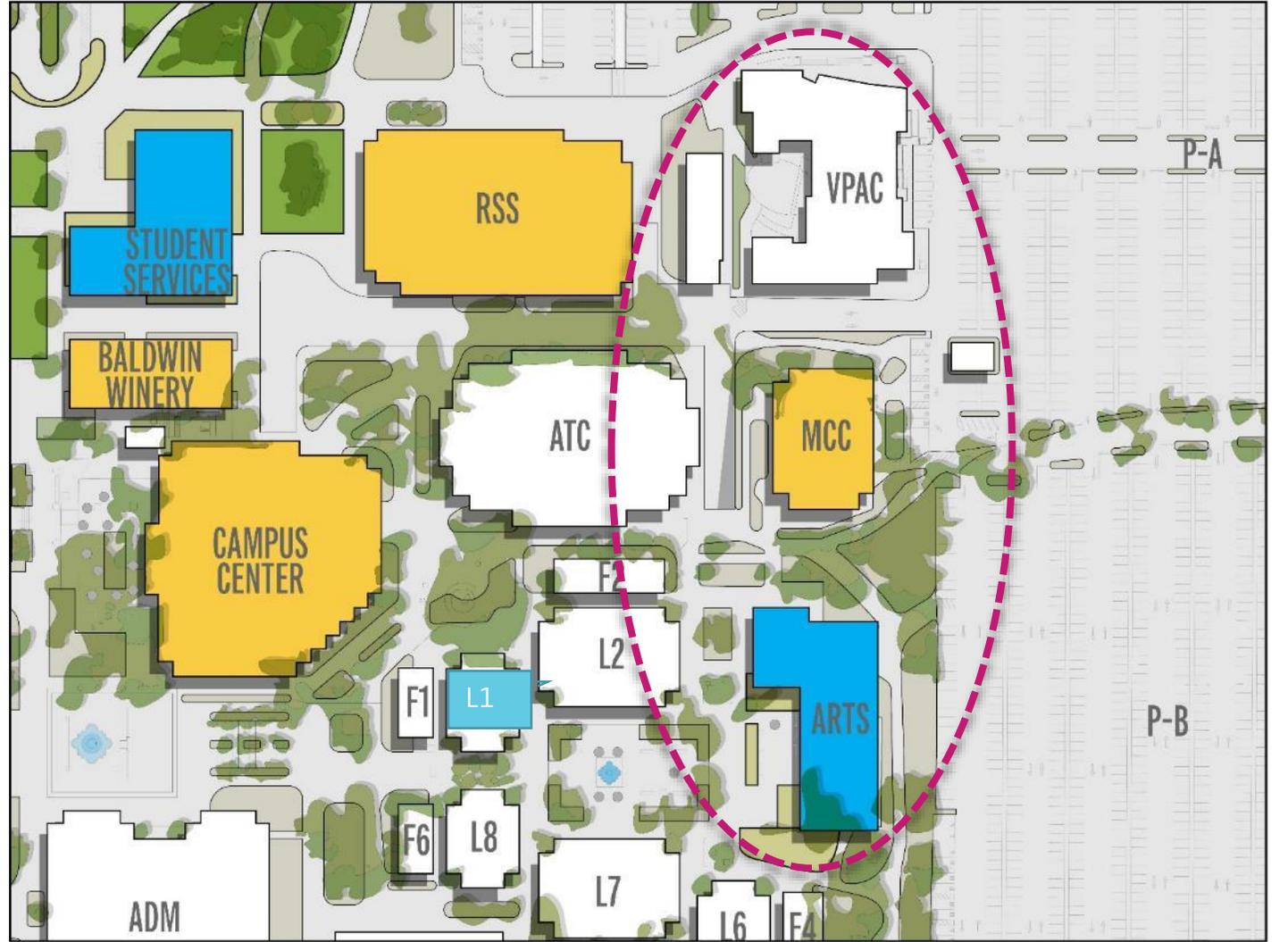
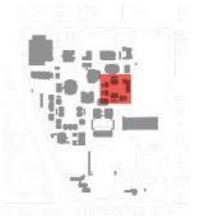
# KEY

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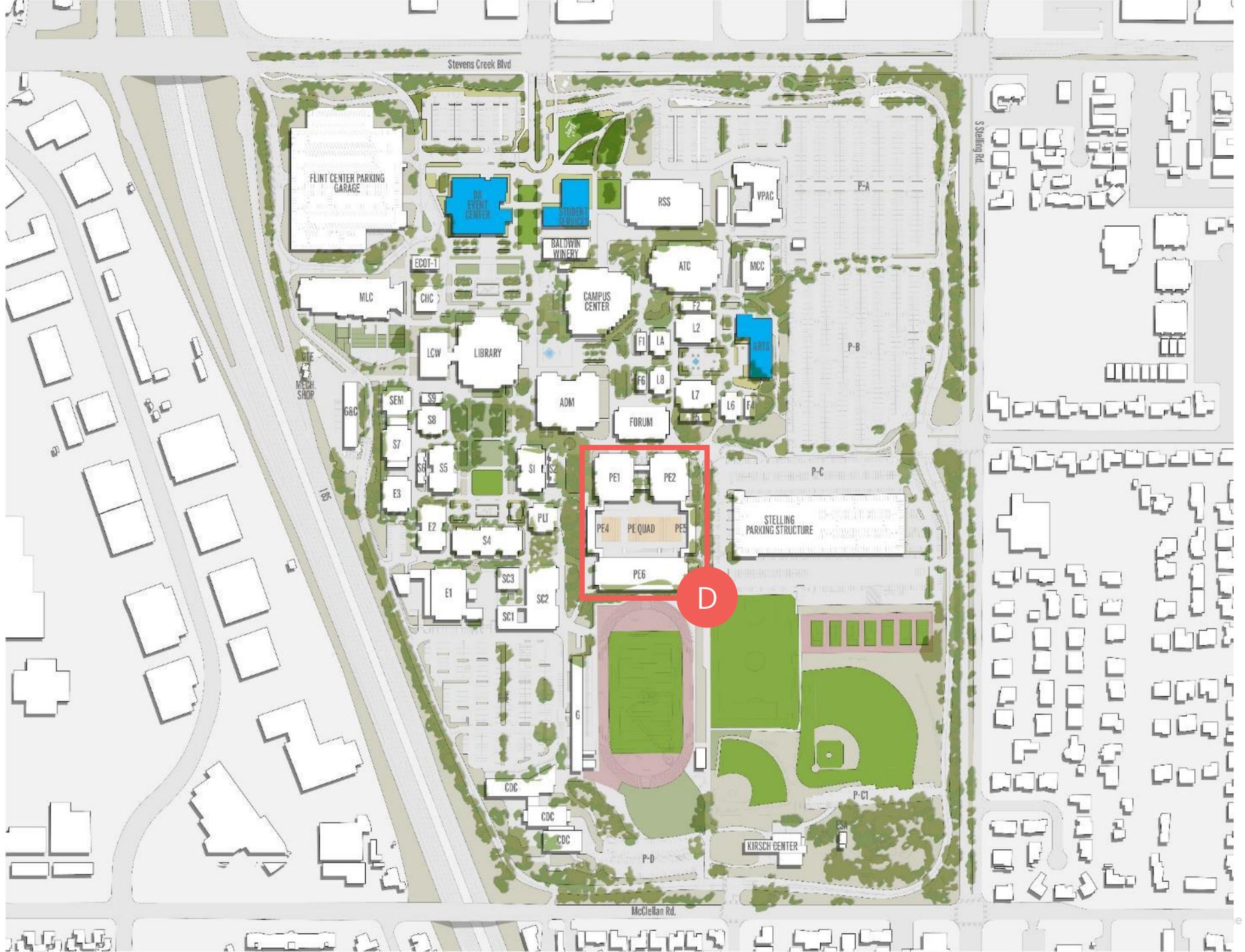


# C Arts Zone



# KEY

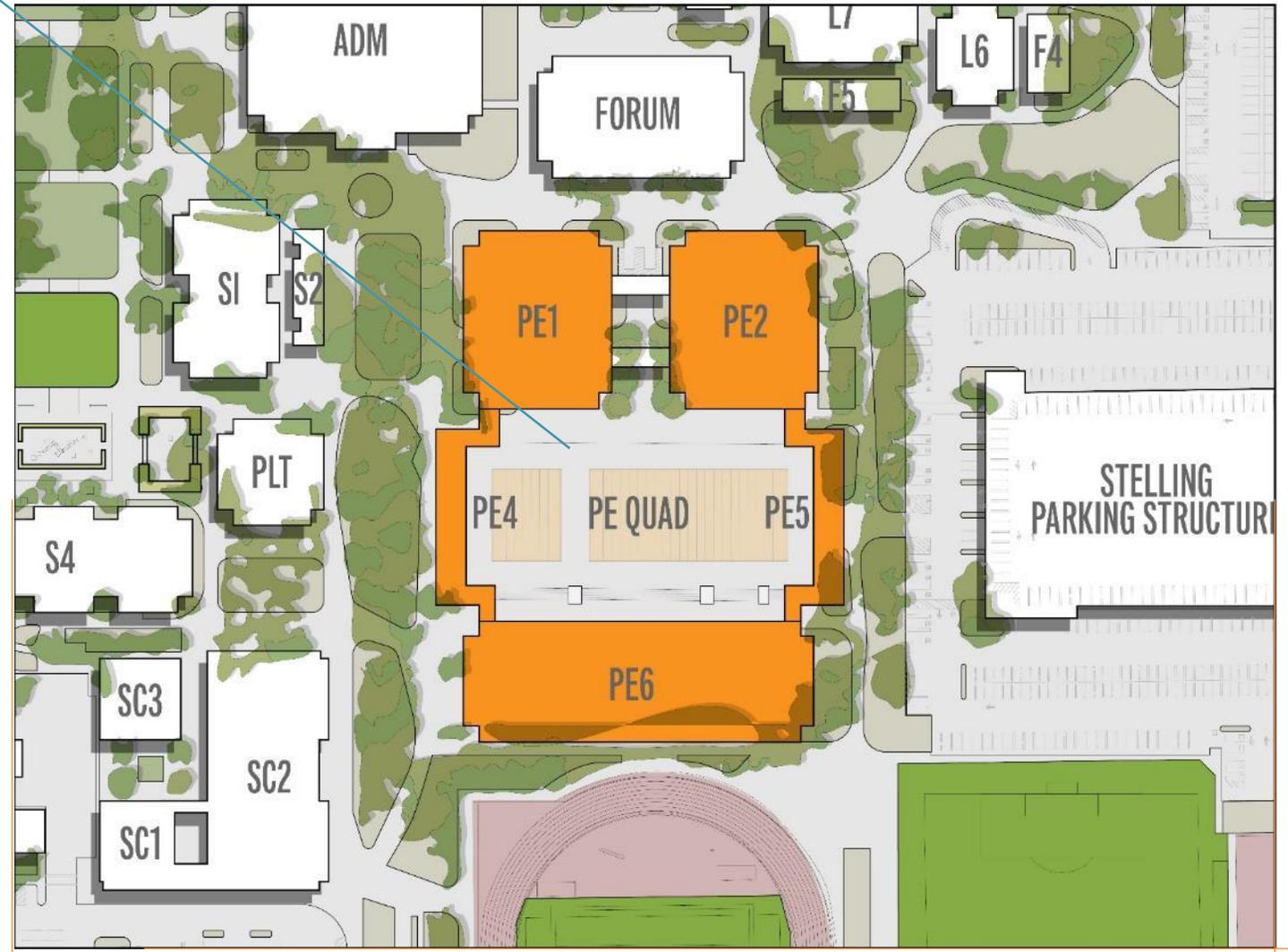
- A** CAMPUS GATEWAY
- B** SOUTH QUAD
- C** EAST EDGE
- D** PHYSICAL EDUCATION





# D Physical Education

Include details on further evaluation required in final document



2021 FACILITIES MASTER PLAN

# DRAFT FMP



2021 FACILITIES MASTER PLAN