



ALTERNATIVE MASTER PLAN SCENARIOS

CSUSB MASTER PLAN

25,000 FTE | OCTOBER, 2015

Assembledge⁺

RTKL

AN ARCADIS COMPANY



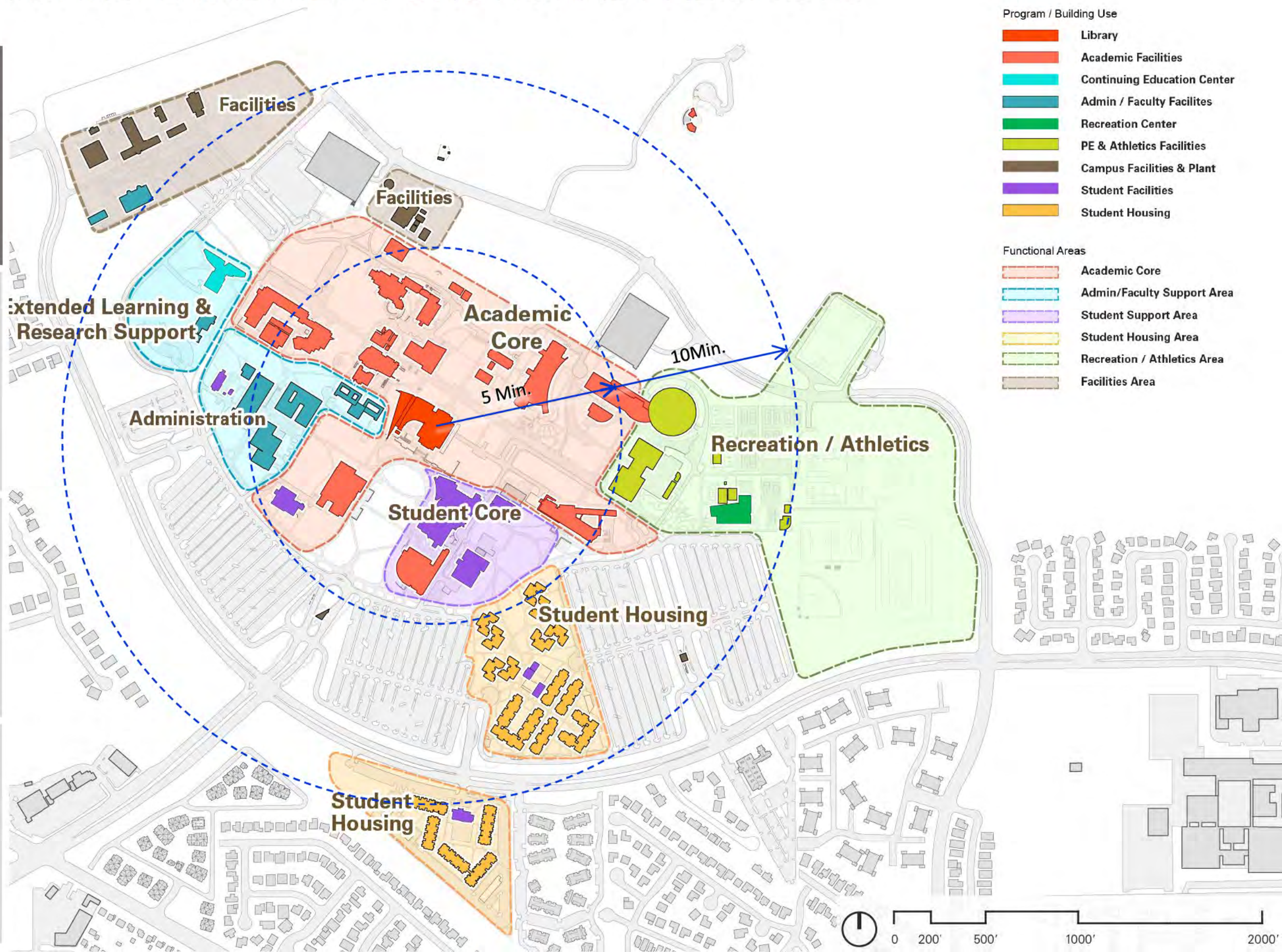
FACILITIES ANALYSIS

EXISTING FACILITIES: FUNCTIONAL PRECINCTS

ANALYSIS

PRIORITIES

SCHEMES



EXISTING FACILITIES: YEAR BUILT

ANALYSIS

PRIORITIES

SCHEMES



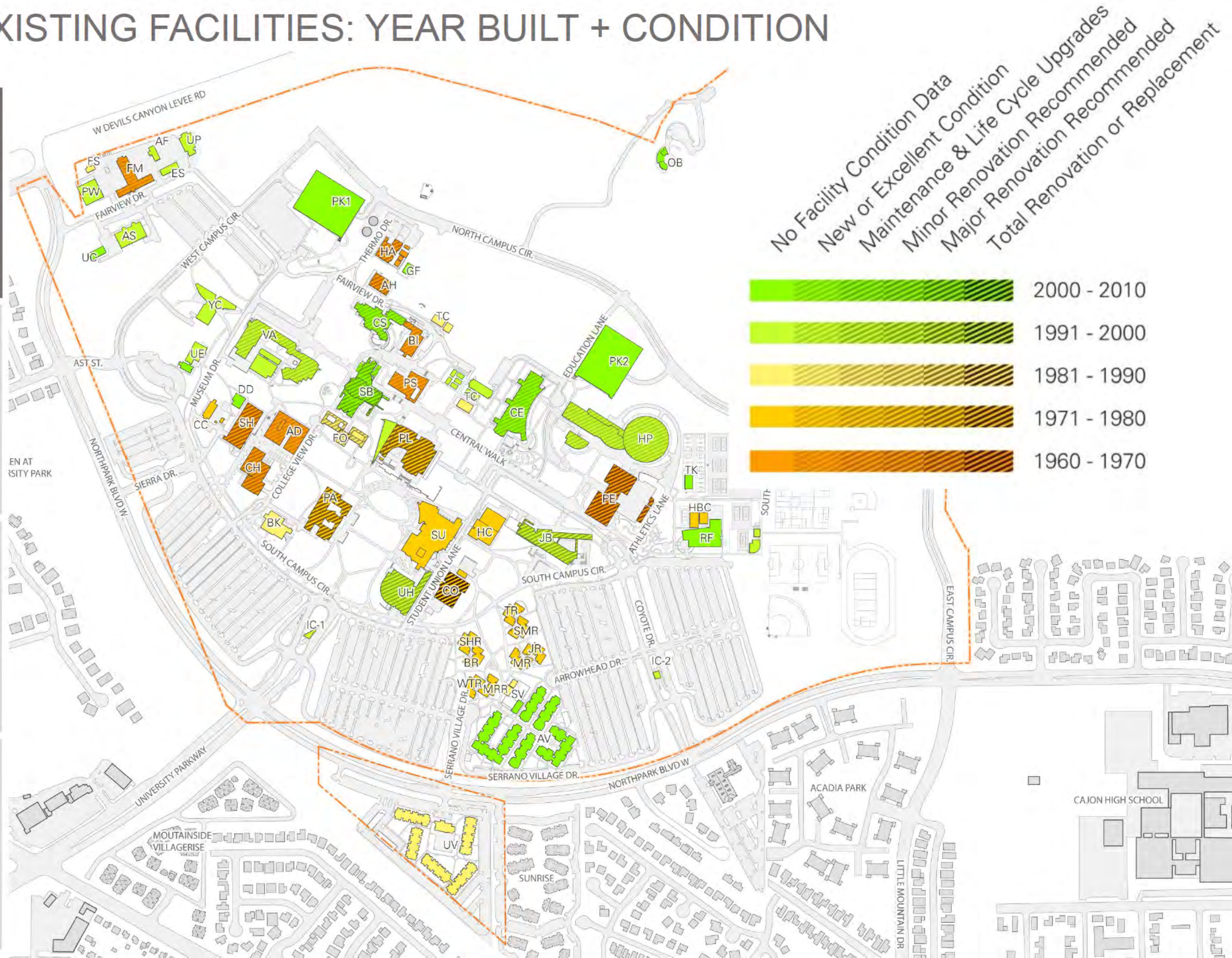
No Facility Condition Data
New or Excellent Condition
Maintenance & Life Cycle Upgrades
Minor Renovation Recommended
Major Renovation Recommended
Total Renovation or Replacement

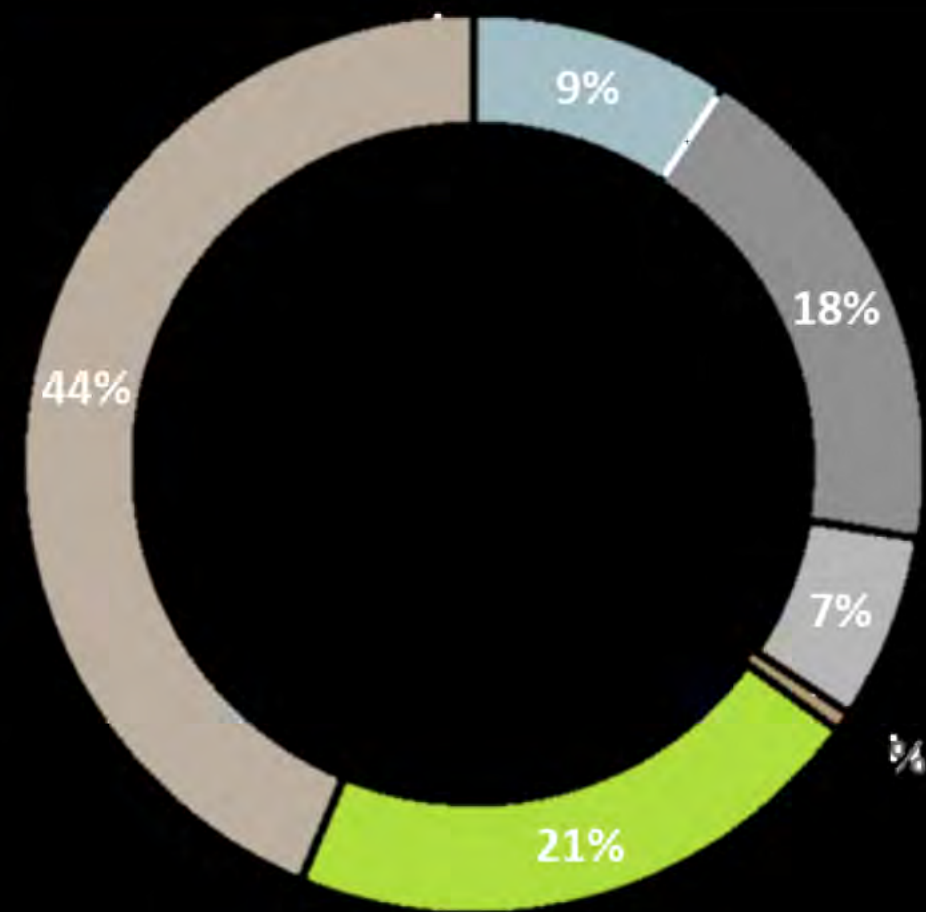
EXISTING FACILITIES: YEAR BUILT + CONDITION

ANALYSIS

PRIORITIES

SCHEMES



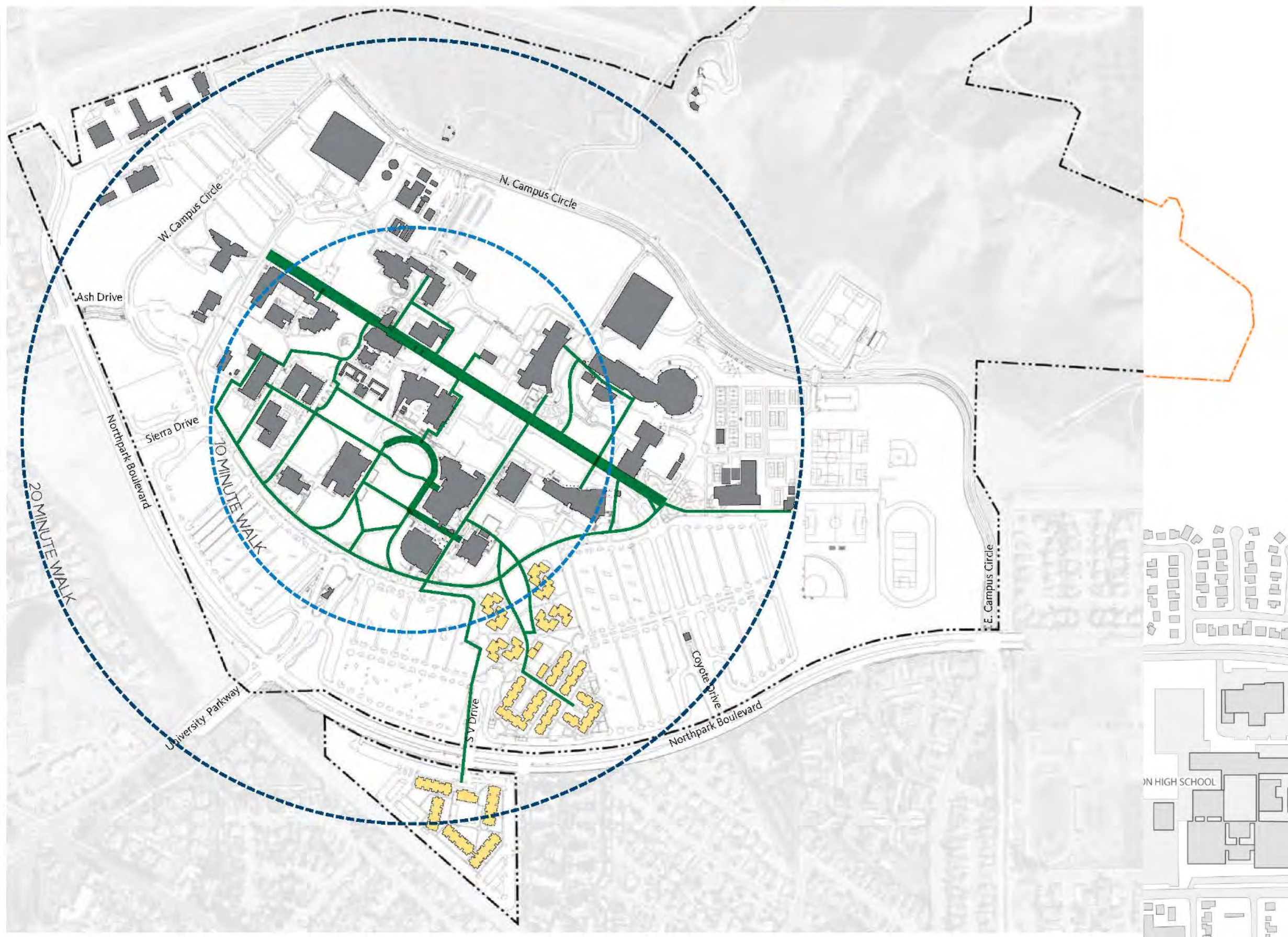


EXISTING FACILITIES: PEDESTRIAN CIRCULATION

ANALYSIS

PRIORITIES

SCHEMES

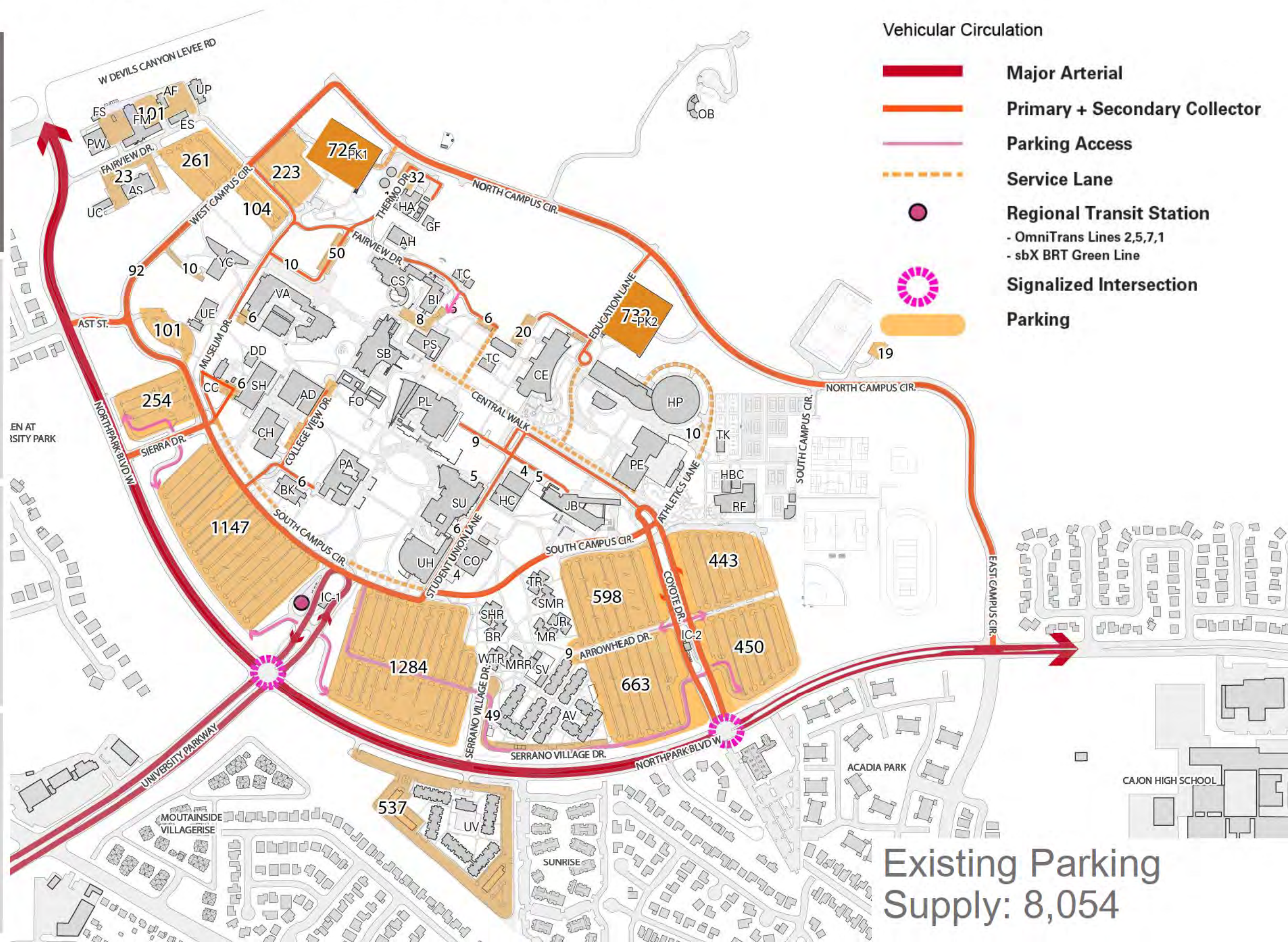


PARKING: PARKING AND CIRCULATION

ANALYSIS

PRIORITIES

SCHEMES



Vehicular Circulation

- Major Arterial
- Primary + Secondary Collector
- Parking Access
- Service Lane
- Regional Transit Station
 - OmniTrans Lines 2,5,7,1
 - sbX BRT Green Line
- Signalized Intersection
- Parking

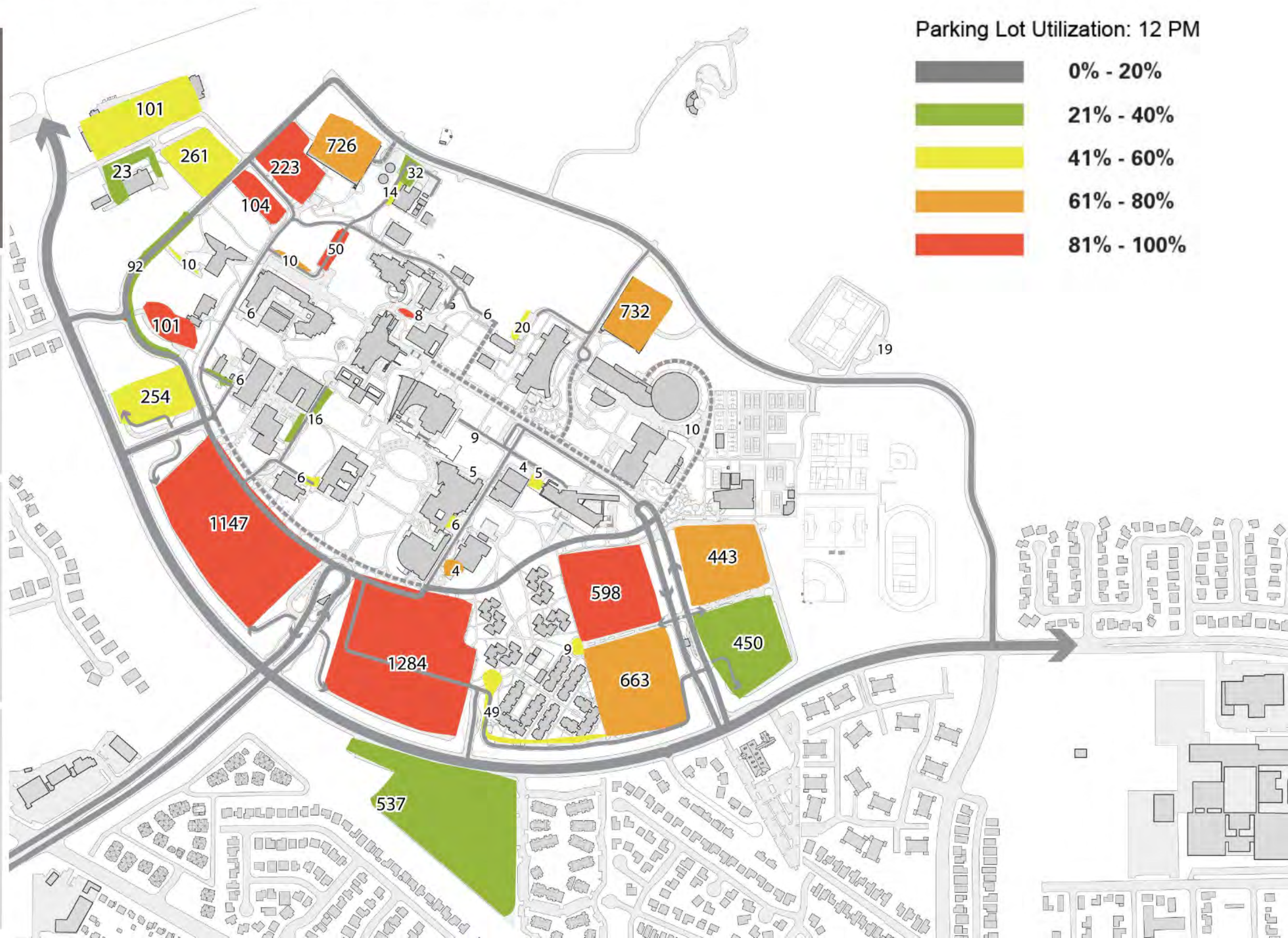
Existing Parking
Supply: 8,054

PARKING: PARKING UTILIZATION

ANALYSIS

PRIORITIES

SCHEMES



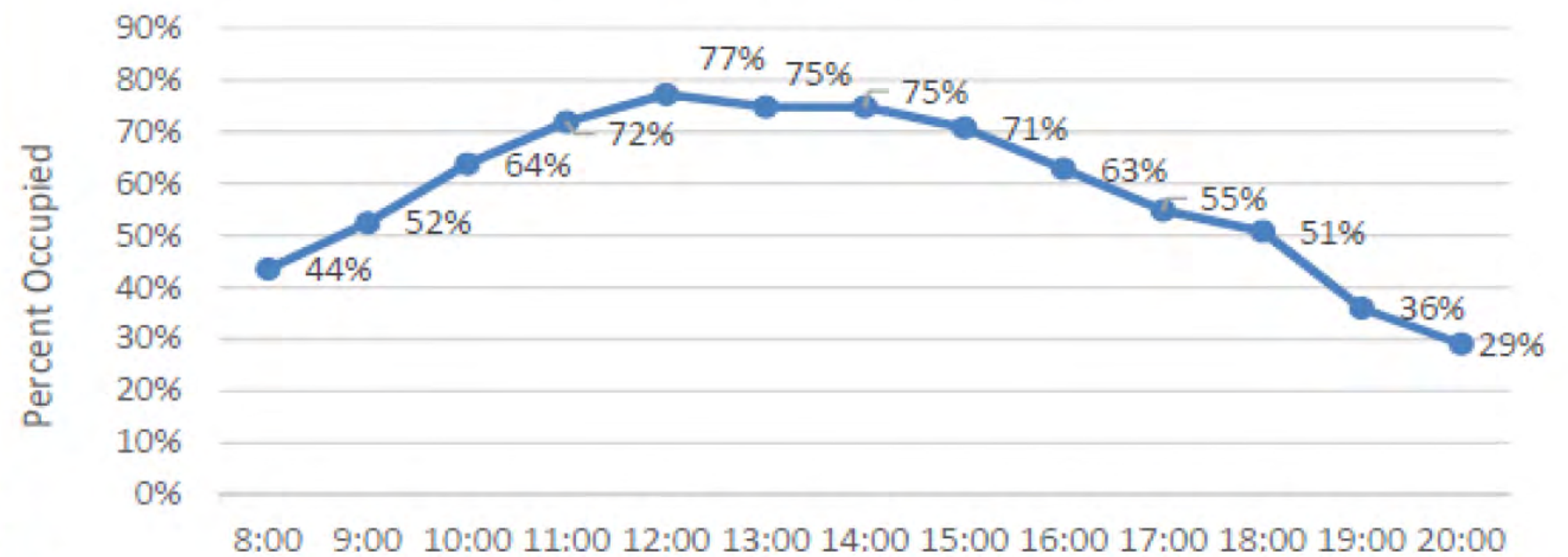
PARKING: EXISTING UTILIZATION – OVERALL AND BY USER

ANALYSIS

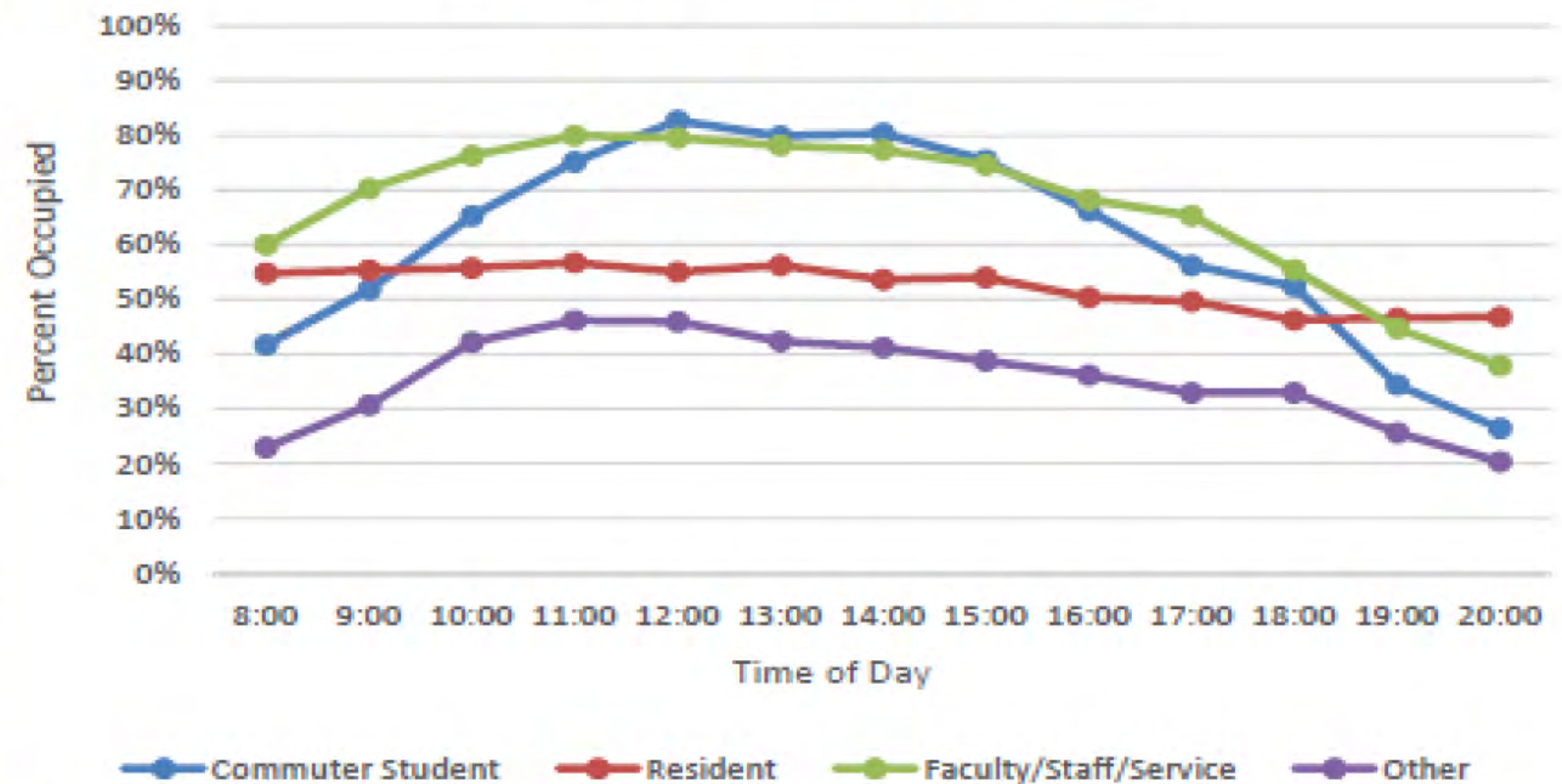
PRIORITIES

SCHEMES

Campus Parking Utilization



Main Campus Parking Demand



PARKING: FUTURE PARKING SUPPLY (25,000 FTE)

ANALYSIS

PRIORITIES

SCHEMES



- Existing Parking Supply
8,054
- Future Recommended Supply
13,358
- New Parking Needed
5,304



CAMPUS PLANNING PRIORITIES + VISION

MASTER PLAN VISION STATEMENT

Cal State University San Bernardino will become a global learning center of opportunity and enterprise for the Inland Empire and the Southern California Region.

MASTER PLAN MISSION STATEMENT

As a healthy environment enabling diverse lives to grow and prosper, the campus will provide a setting in which the intellectual and creative pursuits of the University and general community are activated, interconnected, and celebrated.

The Master Plan Vision and Mission statements boldly declare a chosen direction for this campus and are embodied by five essential Principles aligned with the Strategic Goals of the University's Strategic Plan. These five Master Plan Principles will be fulfilled by meeting twelve clear Objectives and their supporting Strategies which will establish this campus as a leader among the rest.



LEARNING

STUDENT SUCCESS

The Master Plan will support the University to be an outstanding and inspirational academic institution that emphasizes community engagement, collaboration and shared discovery, and balances student life, arts, academics, and athletics. Through a focus on preparing students for resilient and prosperous lives, the university will take its place as a leader in ensuring a brighter future for the region.



LEADERSHIP

FACULTY + STAFF SUCCESS

The Master Plan will reinforce faculty and staff success, diversity, academic rigor and applied research programs, and with effective and innovative governance and administration. Doing this with an eye toward regional purpose and global reach will further establish this University as a preeminent and recognized institution. University resources will further enable faculty and staff to deliver a high-calibur learning environment that will be the pride of the state.



RESOURCE SUSTAINABILITY + EXPANSION

This campus will accommodate expected growth while becoming an inspiring exemplar and community hub for sustainable growth and resilient living. Achieving this through resource optimization means leveraging existing campus assets, strategic partnerships, and community relationships in addition to adding new facilities, technologies, and programs. The university will demonstrate how to optimistically meet future challenges with knowledge, efficiency, and collaboration.



COMMUNITY ENGAGEMENT + PARTNERSHIPS

The Master Plan will support the growth of the University as an innovative Regional economic engine, center for community interaction, source of diverse social engagement. Strengthening ties to alumni and groups will bolster long term University health while partnering with industries will open doors for more entrepreneurial and connected graduates.



IDENTITY

The Master Plan will support the growth of the University as a recognized destination for intellectual and cultural activities, for an active campus life and for environmental stewardship. Increased housing opportunities and amenities that provide a desirable, healthy, and safe 24/7 campus lifestyle will create a community that belongs to students and can call the university a home away from home. Doing this will vastly enhance University identity and celebrate coyote spirit.

DRAFT VISION

ANALYSIS



OBJECTIVE 1:

Create learning communities to build fully supportive learning environments



OBJECTIVE 2:

Embody a regional learning hub



OBJECTIVE 3:

Support innovation and scholarship



OBJECTIVE 4:

Attain a regionally and globally recognized institution



OBJECTIVE 5:

Grow fundamentally sustainable and resilient



OBJECTIVE 6:

Instigate greater environmental resilience in the region



OBJECTIVE 7:

Perform as an active community resource



OBJECTIVE 8:

Provide a safe haven



OBJECTIVE 9:

Form alliances that enhance university living and learning



OBJECTIVE 10:

Accommodate productive entrepreneurial partnerships



OBJECTIVE 11:

Build a vital urban campus environment



OBJECTIVE 12:

Promote coyote spirit

PRIORITIES

SCHEMES



LONG TERM SPACE NEEDS ASSESSMENT

CSUSB PRELIMINARY LONG TERM SPACE NEED ANALYSIS* 25,000 FTE

7-Oct-15

Major Campus Space Categories	Projected New Needed GSF to Accommodate 25,000 FTE
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Range of Instructional Space Estimates

Instructional Spaces (Classrooms, Labs, Instructional Activity Spaces, and Faculty Offices only)	545,591
Library & Collaborative Learning Space	227,000
Physical Education	60,000
Student Support (Recreation and Union Centers)	217,000
Physical Plant	32,000
Other Spaces (includes Administration, Assembly, Exhibit space)	94,950
TOTAL	1,176,541

*SUBJECT TO REFINEMENT PENDING CONTINUED DETAILED ANALYSIS AND CAMPUS INPUT

CSUSB TERM SPACE NEED ANALYSIS* - 25,000 FTE





PRELIMINARY LONG TERM MASTER PLAN ALTERNATIVES

WHAT ARE ELEMENTS COMMON TO EACH CONCEPT?

- Includes current Projects in planning or design:
 - Phase 1 Housing and Dining
 - CEL Expansion
 - Student Union Expansion
 - Library Expansion
 - Athletic Fields Expansion
 - Recreation Center Expansion
- Each Concept reflects projected space and parking requirements to accommodate enrollment growth up to 25,000 FTES
- Each Concept assumes that Administrative functions will be relocated to University Hall to replace academic uses (requires new academic classroom building in order to relocate displaced classrooms).
- Each Concept uses available development sites or re-purposed land

CAMPUS PLANNING ALTERNATIVES

SCHEME A: ECO DISTRICTS

SCHEME A: ECO DISTRICTS

KEY FEATURES

- SITE DESIGN **DRIVEN BY OPTOMIZED SOLAR ORIENTATION** MOVING TOWARDS A NET ZERO CAMPUS
- ENERGY & WATER **CONSERVATION**
- **EMPHASIZES GREEN TECHNOLOGY & INFRASTRUCTURE**

SCHEME A: ECO DISTRICTS

ANALYSIS

PRIORITIES

SCHEMES



EXISTING FUNCTIONAL PRECINCTS

ANALYSIS

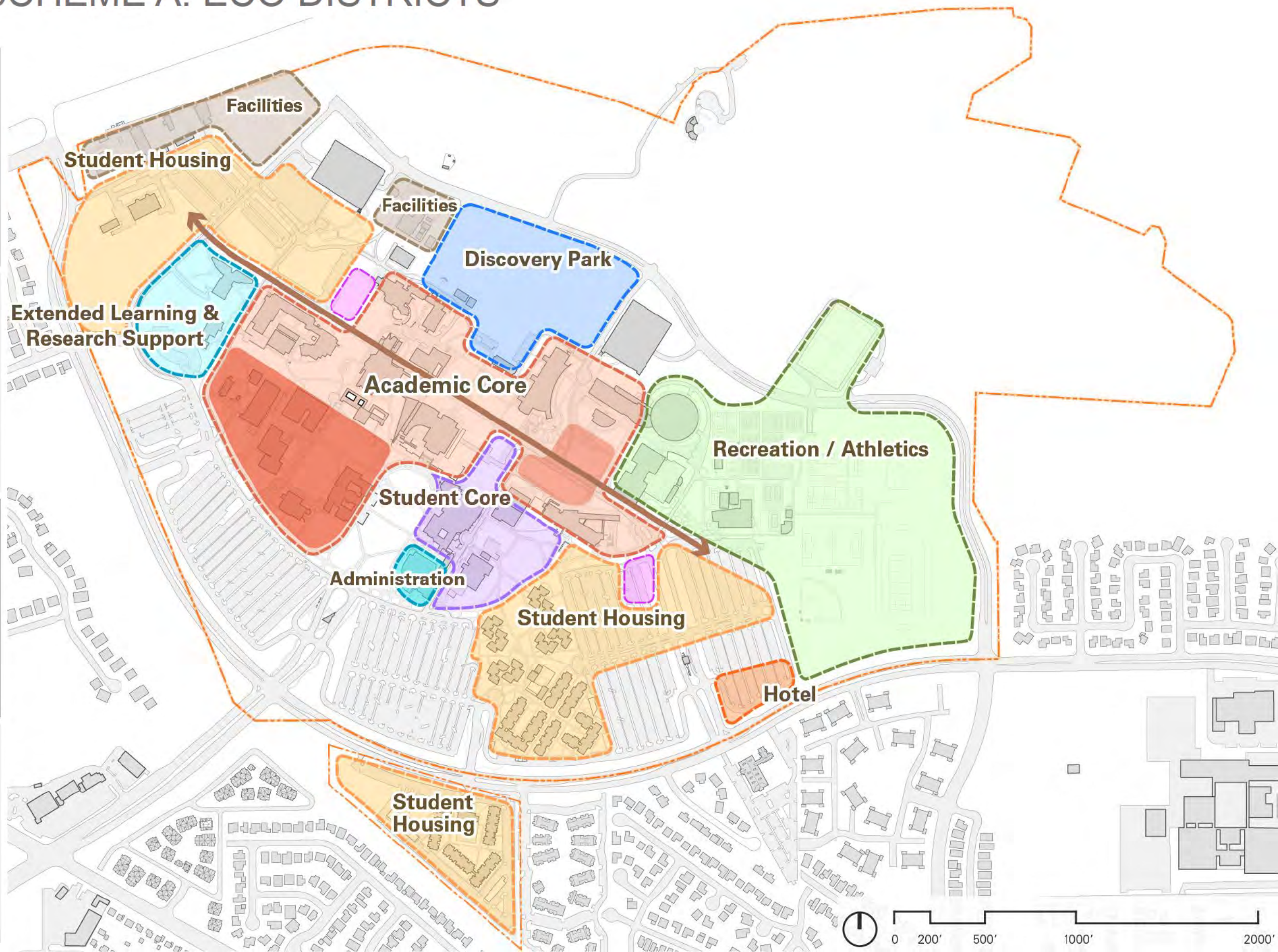
PRIORITIES

SCHEMES



SCHEME A: ECO DISTRICTS

ANALYSIS
PRIORITIES
SCHEMES
COMPARISON



SCHEME A: ECO DISTRICTS

ANALYSIS

PRIORITIES

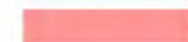
SCHEMES



SCHEME A: ECO DISTRICTS

LEGEND

Functional Areas



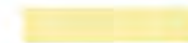
Academic Core



Student Support



Dining Commons



Student Housing



Discovery Park



Parking Structure



SCHEME A: ECO DISTRICTS

LEGEND

Functional Areas



Academic Core



Student Support



Dining Commons



Student Housing



Discovery Park



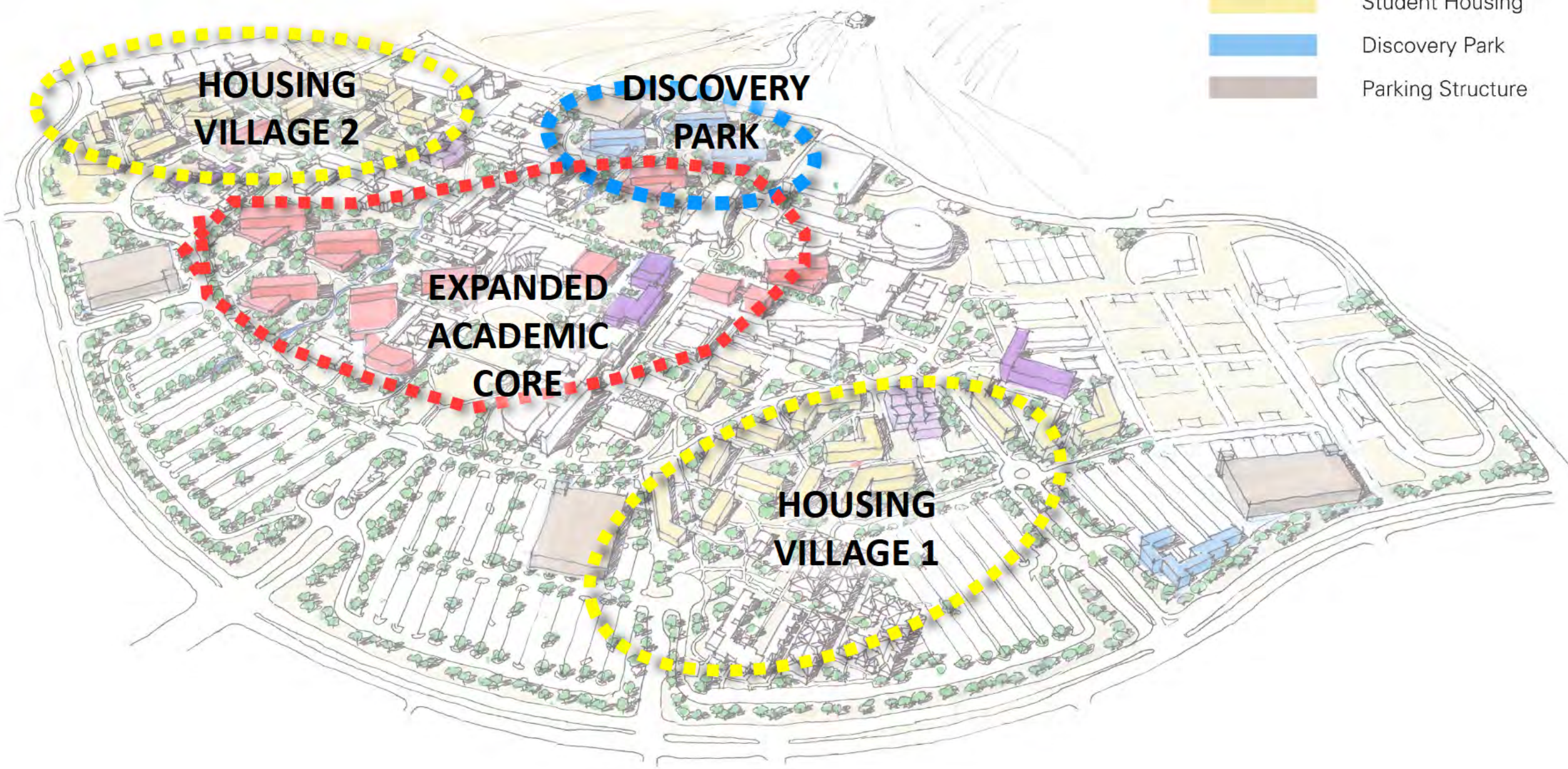
Parking Structure

**HOUSING
VILLAGE 2**

**DISCOVERY
PARK**

**EXPANDED
ACADEMIC
CORE**

**HOUSING
VILLAGE 1**



SCHEME A: ECO DISTRICTS

ANALYSIS

PRIORITIES

SCHEMES

PERFORMING ARTS
THEATER

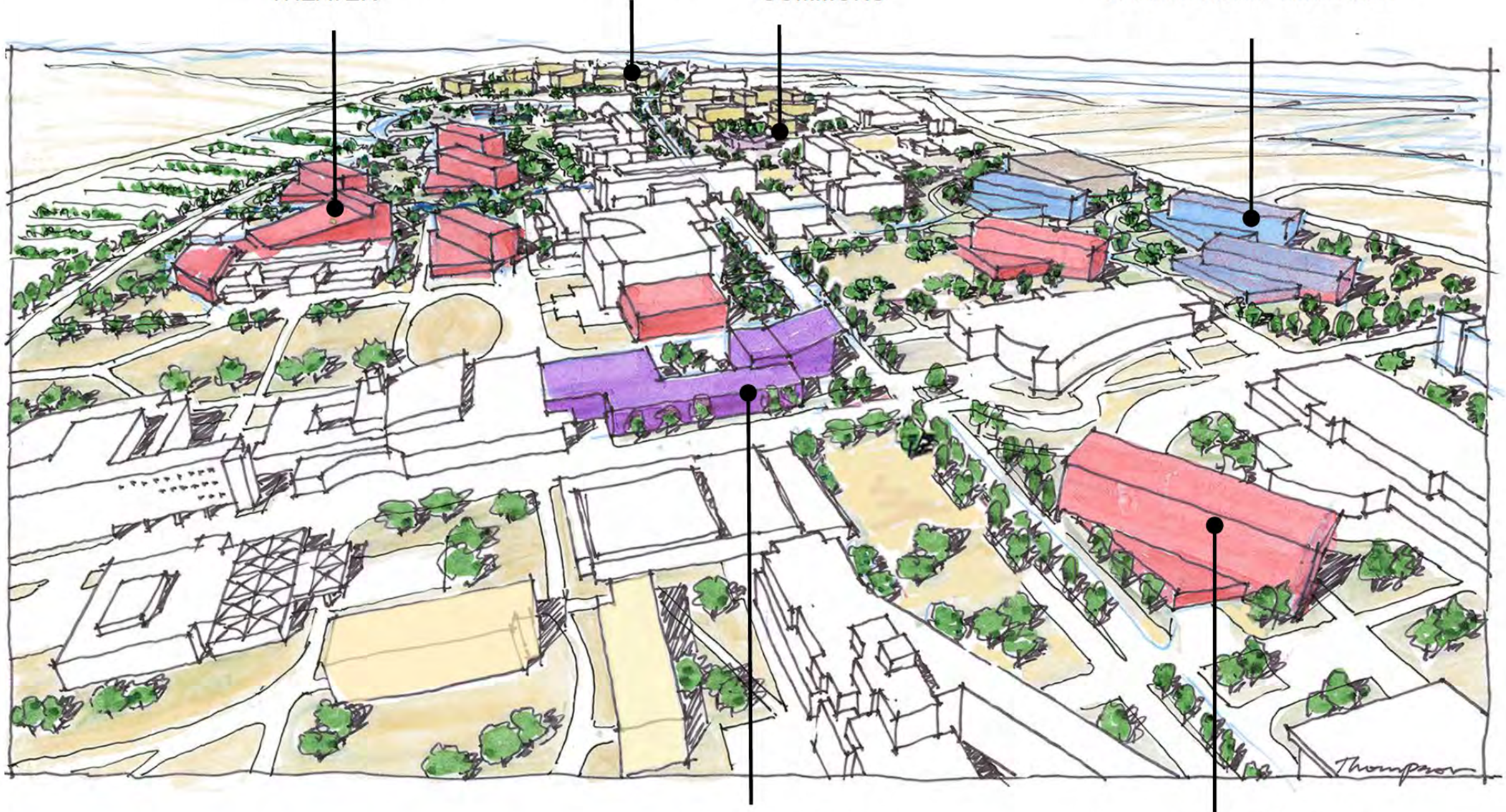
WESTERN HOUSING
VILLAGE 2

DINING
COMMONS

DISCOVERY PARK
JOINT PUBLIC/PRIVATE
PARTNERSHIP COMPLEX

STUDENT UNION
EXPANSION

NEW BUILDINGS
ORIENTED FOR OPTIMAL
ENERGY CONSERVATION



CAMPUS PLANNING ALTERNATIVES

SCHEME B: CREATIVE CORRIDOR

SCHEME B: CREATIVE CORRIDOR

KEY FEATURES

- INCREASED DENSITY TO REDUCE PEDESTRIAN TRAVEL DISTANCES
- “COYOTE” WALK AS ACTIVATED PUBLIC PLAZA / PROMENADE
- INTEGRATES CAMPUS LIFE & ACTIVITIES
- ENCOURAGES MULTI-DISCIPLINARY SHARED SPACE ACADEMIC BUILDINGS

SCHEME B: CREATIVE CORRIDOR

ANALYSIS

PRIORITIES

SCHEMES



EXISTING FUNCTIONAL PRECINCTS

ANALYSIS

PRIORITIES

SCHEMES

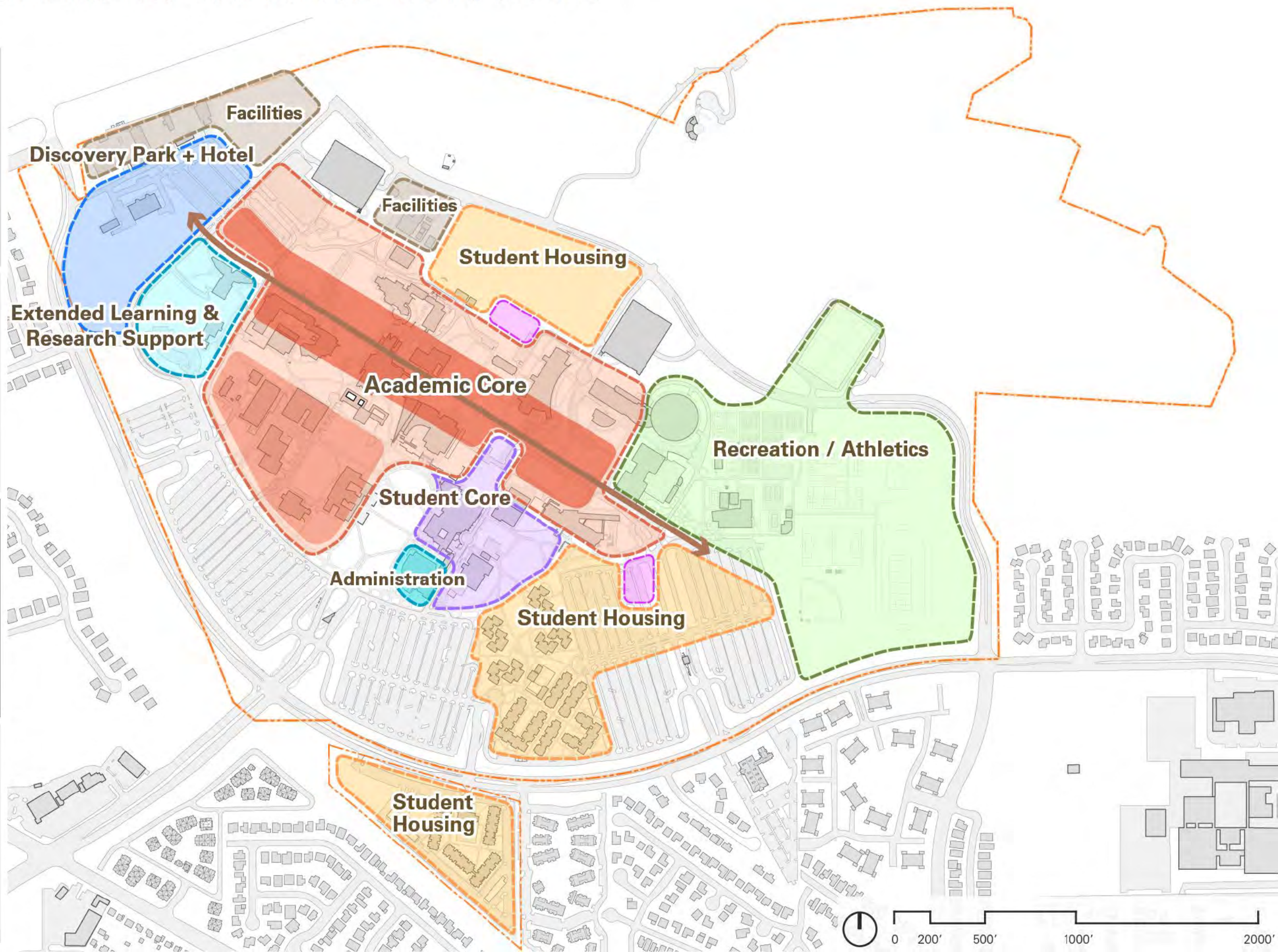


SCHEME B: CREATIVE CORRIDOR

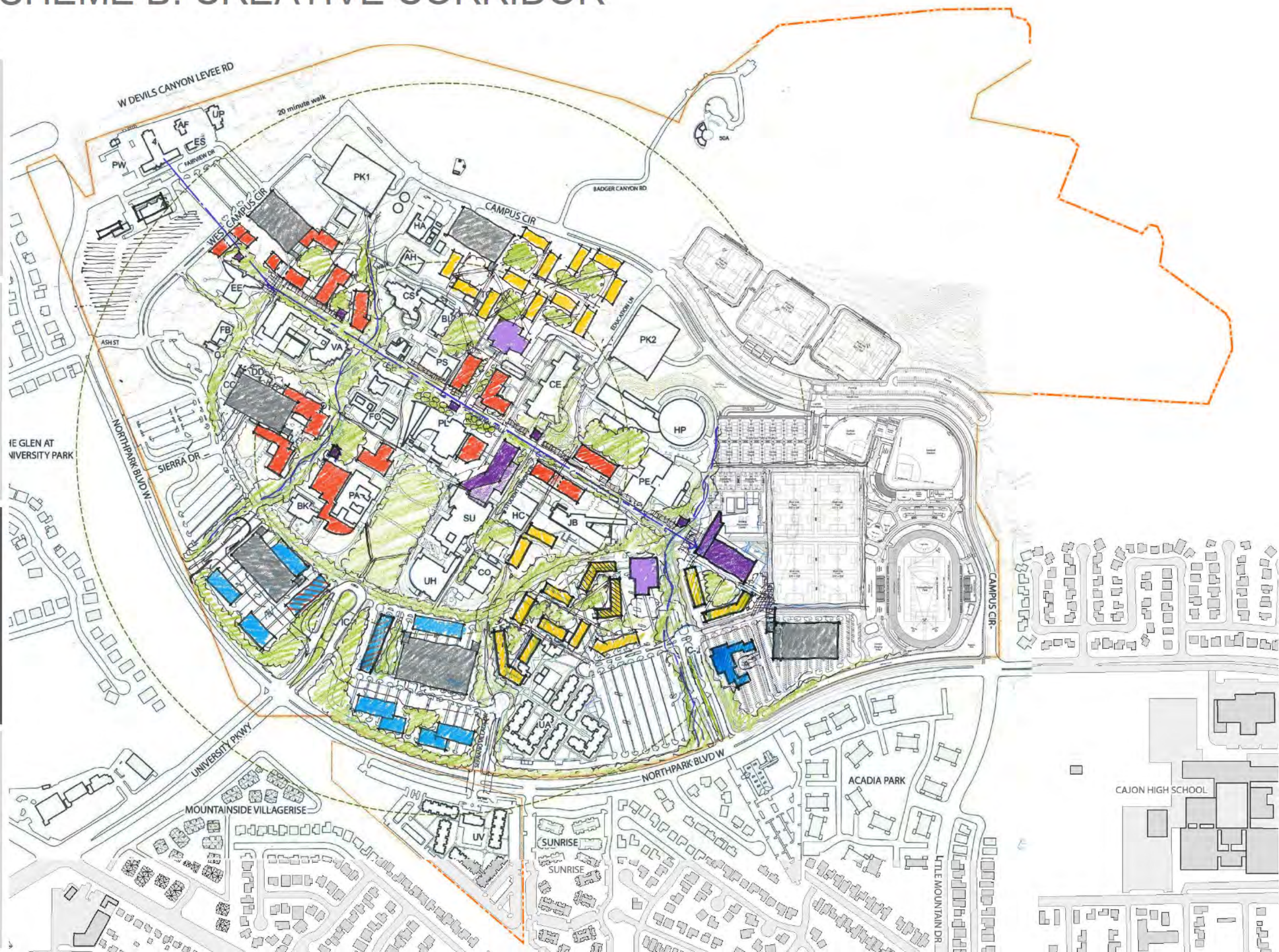
ANALYSIS

PRIORITIES

SCHEMES



SCHEMES



SCHEME B: CREATIVE CORRIDOR

LEGEND

Functional Areas



Academic Core



Student Support



Dining Commons



Student Housing



Discovery Park



Parking Structure



SCHEME B: CREATIVE CORRIDOR

LEGEND

Functional Areas

	Academic Core
	Student Support
	Dining Commons
	Student Housing
	Discovery Park
	Parking Structure



SCHEME B: CREATIVE CORRIDOR

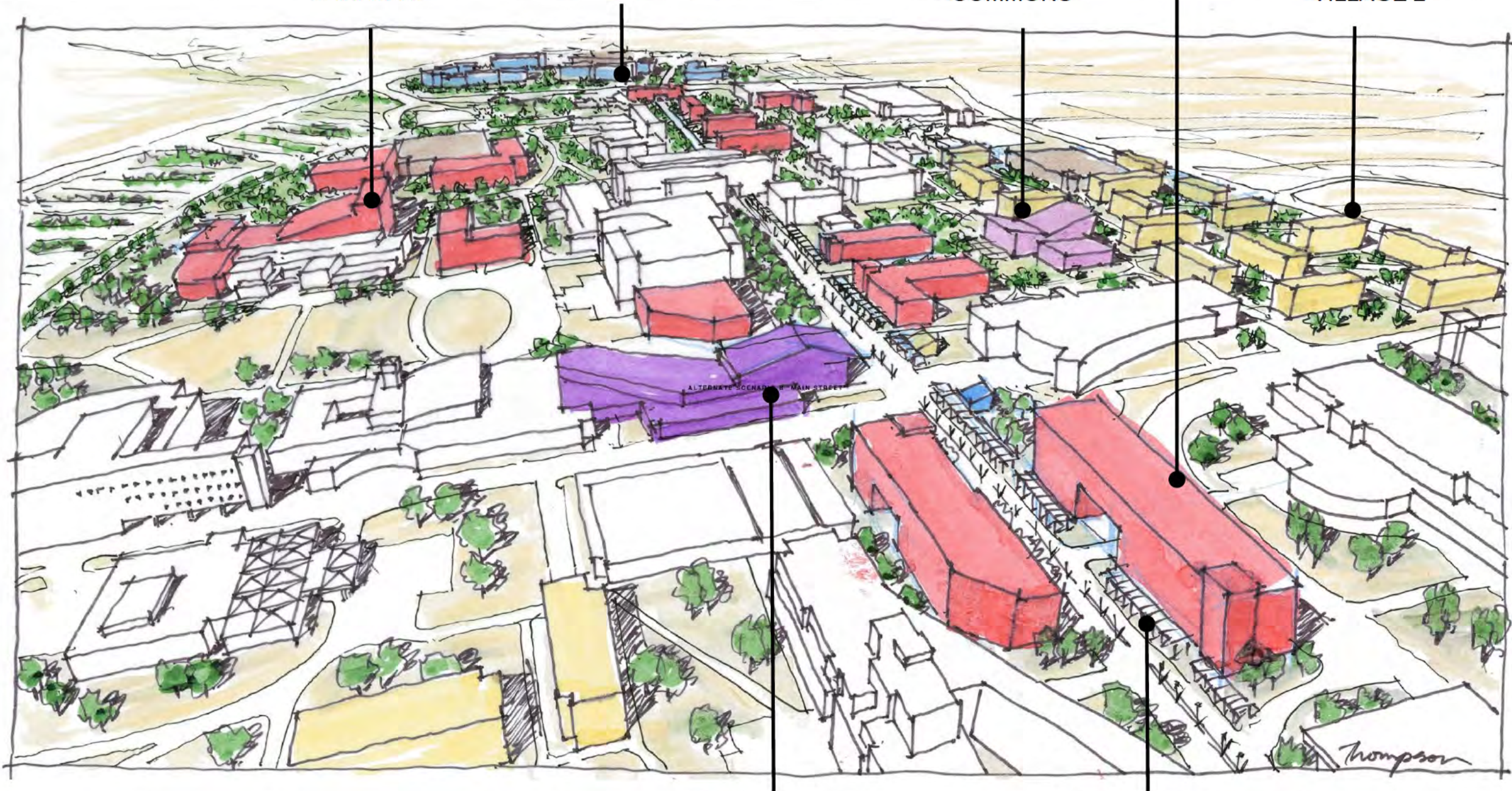
PERFORMING ARTS
THEATER

DISCOVERY PARK
JOINT PUBLIC/PRIVATE
PARTNERSHIP COMPLEX

DINING
COMMONS

ACADEMIC INFILL

NORTHERN HOUSING
VILLAGE 2



STUDENT UNION
EXPANSION

ENHANCED "COYOTE WALK"
AS CENTRAL CAMPUS FOCUS

CAMPUS PLANNING ALTERNATIVES

SCHEME C: KNOWLEDGE HUBS

SCHEME C: KNOWLEDGE HUBS

KEY FEATURES

- INCREASED DENSITY TO REDUCE PEDESTRIAN TRAVEL DISTANCES
- REINFORCES INSTITUTIONAL CLUSTERS
- SHARES RESOURCES BY DEPARTMENT
- EMPHASIZES 4 OR 5 “KNOWLEDGE HUBS”
- REFLECTIVE OF CAMPUS CURRENT TRENDS

SCHEME C:

ANALYSIS

PRIORITIES

SCHEMES

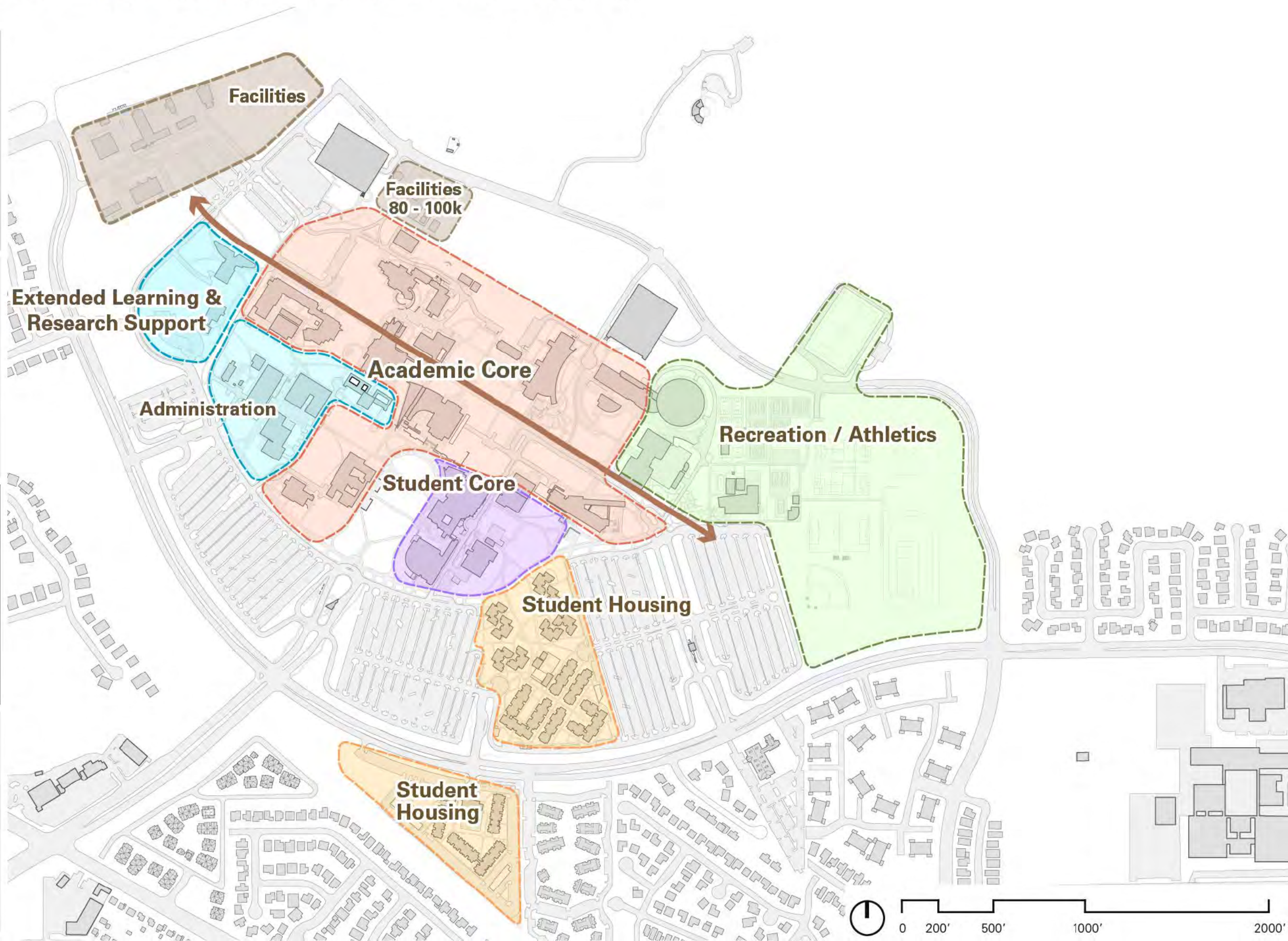


EXISTING FUNCTIONAL PRECINCTS

ANALYSIS

PRIORITIES

SCHEMES

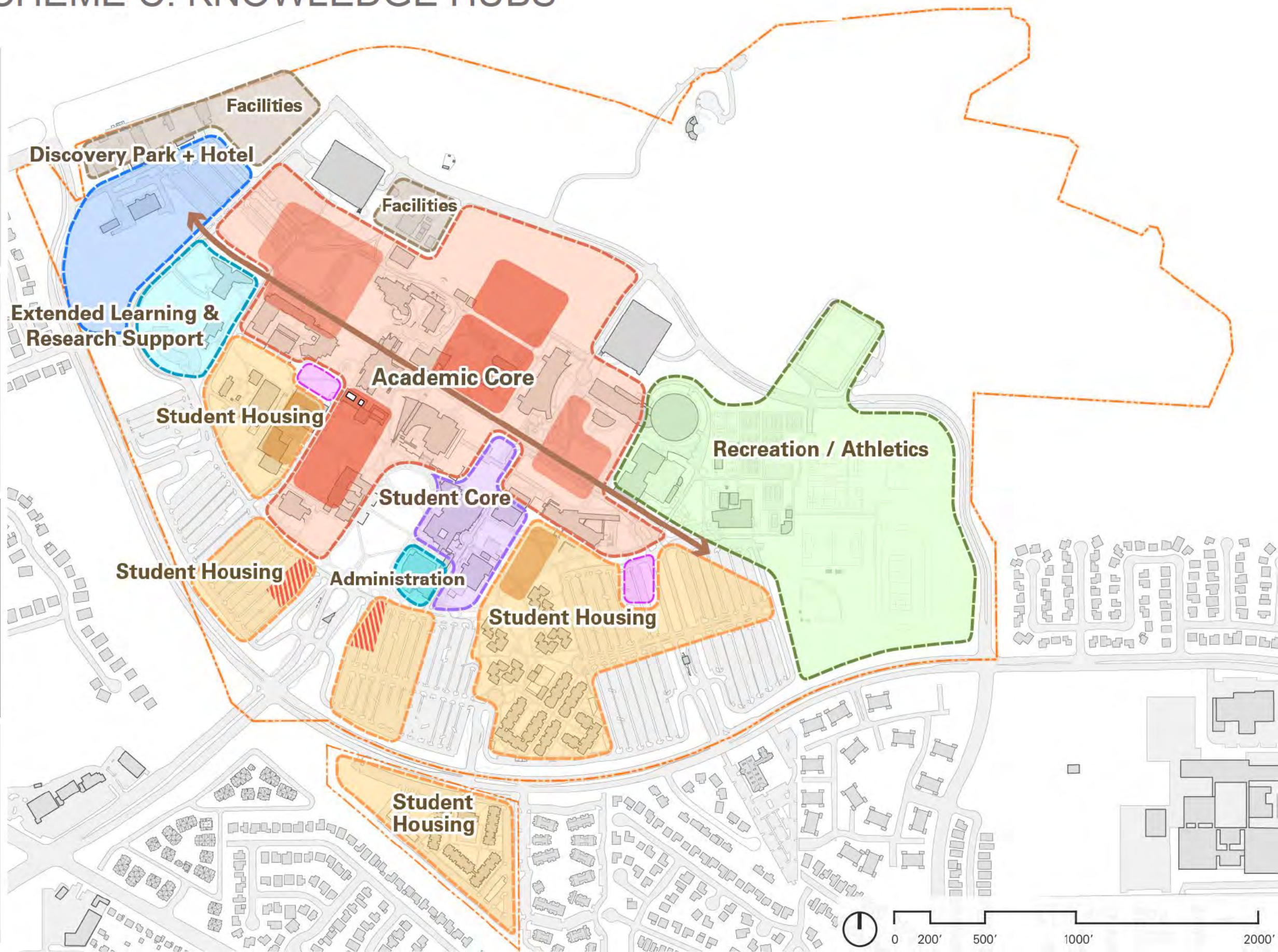


SCHEME C: KNOWLEDGE HUBS

ANALYSIS

PRIORITIES

SCHEMES



SCHEME C: KNOWLEDGE HUBS

ANALYSIS

PRIORITIES

SCHEMES



SCHEME C: KNOWLEDGE HUBS

LEGEND

Functional Areas



Academic Core



Student Support



Dining Commons



Student Housing



Discovery Park



Parking Structure



SCHEME C: KNOWLEDGE HUBS

LEGEND

Functional Areas

- Academic Core
- Student Support
- Dining Commons
- Student Housing
- Discovery Park
- Parking Structure

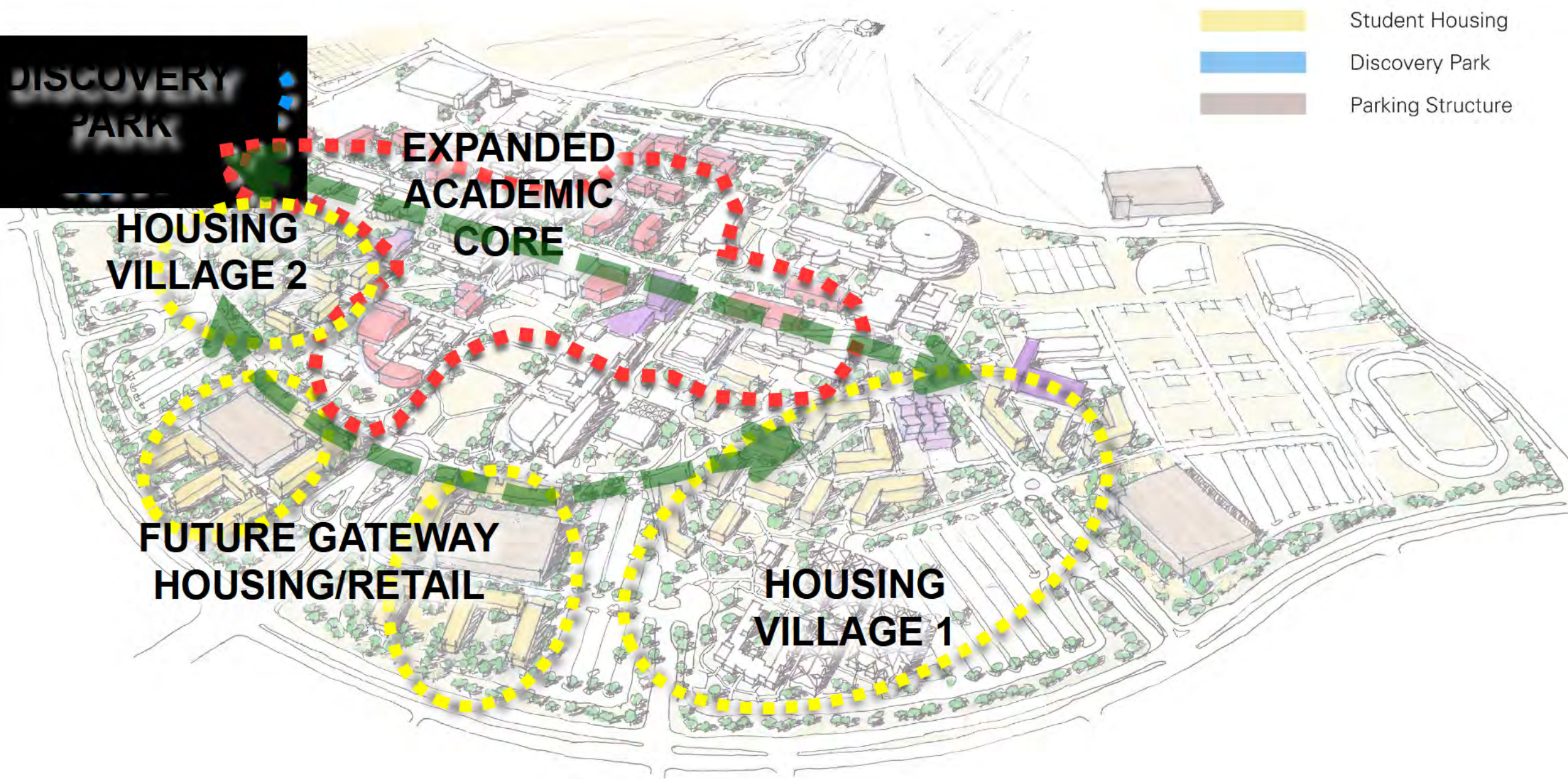
DISCOVERY
PARK

HOUSING
VILLAGE 2

EXPANDED
ACADEMIC
CORE

FUTURE GATEWAY
HOUSING/RETAIL

HOUSING
VILLAGE 1



SCHEME C: KNOWLEDGE HUBS

ACADEMIC INFILL

ACADEMIC INFILL

STUDENT UNION
EXPANSION

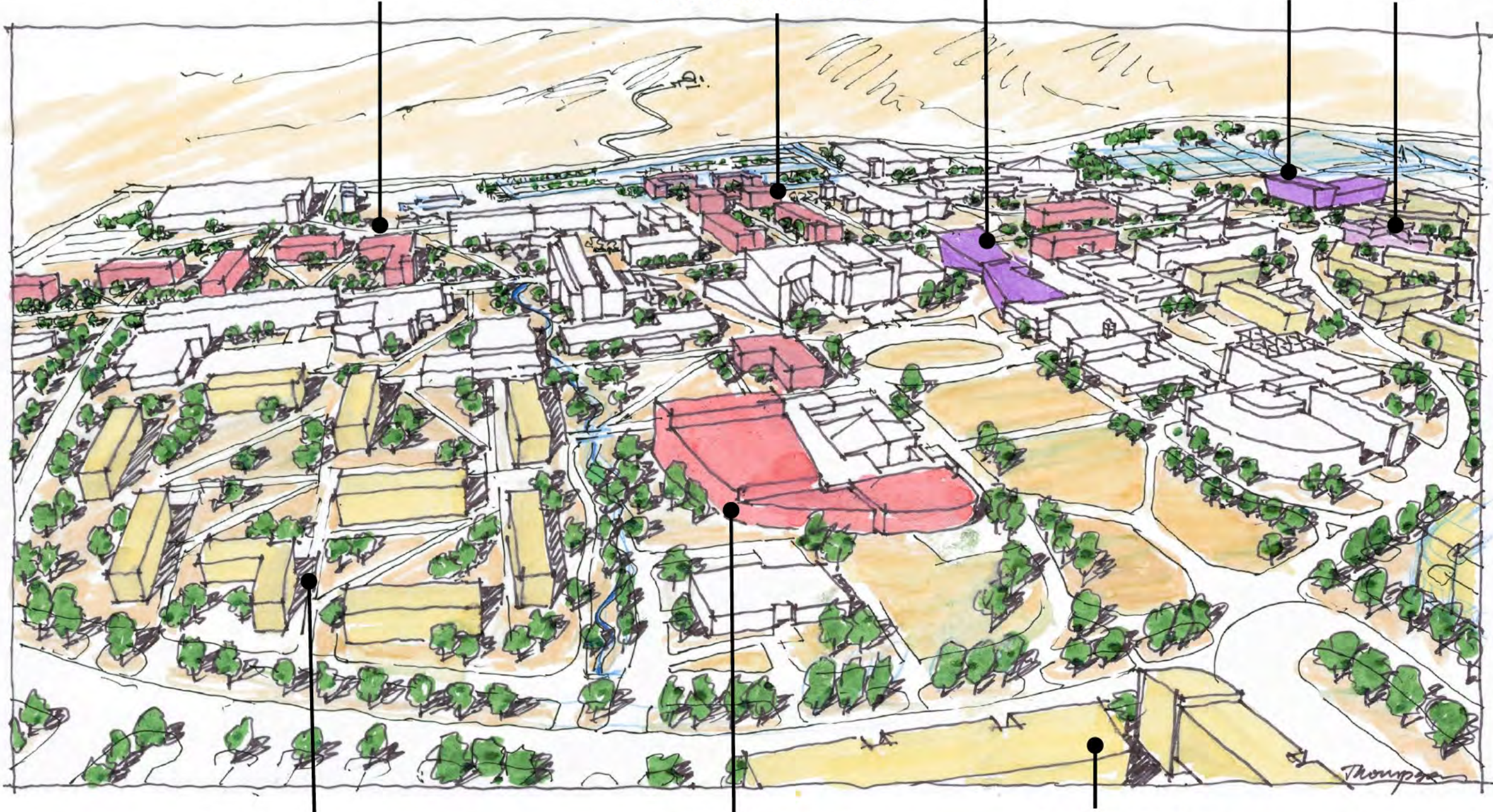
RECREATION
CENTER
EXPANSION

PHASE 1
DINING
COMMONS

CENTRAL HOUSING
VILLAGE 2

PERFORMING ARTS
THEATER

FUTURE GATEWAY
HOUSING/RETAIL



EVALUATING THE ALTERNATIVE SCENARIOS:

WHAT ARE THE PRIMARY LONG TERM MASTER PLAN DECISIONS?

1. STUDENT HOUSING:

- Where to locate a 2nd student housing village – scenarios show 3 potential locations

2. ACADEMIC

- What is the best approach for infill of future academic buildings - Scenarios show 3 different approaches to infilling existing campus
 - Academic infill – net zero????
 - Infill along “Coyote” Mall
 - Functional HUBS/courtyards

3. PARKING AND CIRCULATION

- 25,000 FTE enrollment requires 5,400 parking spaces or 5-6 parking structures with 750 – 1,000 spaces each – locations to be selected after consensus plan is selected

4. DISCOVERY PARK

- Where to locate partnership development area - Scenarios show 3 potential locations for a Joint Public/private partnership area

A wide-angle photograph of a university campus. In the foreground is a large, green lawn. In the middle ground, there is a modern, multi-story building with a grid-like facade of windows. To the right of the building, there are several large, leafy trees. In the background, a range of mountains is visible under a blue sky with scattered white clouds. The overall scene is bright and clear.

ENROLLMENT DEMAND & NEAR TERM SPACE NEEDS ASSESSMENT

Enrollment vs. Physical Capacity



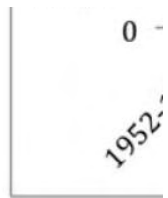
** Based on Historical Enrollments (IR) and CPDC 1-2 projections

Enrollment Demand

- Using 2025 county-level population data with a 0.02% increase in the participation rate for the San Bernardino and Riverside counties (the largest feeders to CSUSB) yields a potential enrollment demand of approximately **21%** or about **2%** annually over the next ten years.

Enrollment Demand: International Students

- In 2012-2013 the U.S. enrolled the highest number of international students in its history.
- For the first time international undergraduates exceeded the number of graduate students
- Over the last 10 years the number of international students in the U.S. has increased by 40%.



Source: Institute of International Education (IIE) annual survey "2103 Open Doors Report on International Education Exchange"

Current Status of Academic Programs Campus wide

- Impacted Programs:
 - Nursing
 - Criminal Justice
 - Social Work
 - Kinesthesiology
- Programs at Capacity: unable to enroll additional students because of lack of space and/or faculty
 - Biology
 - Chemistry
 - Geological Sciences
 - Physics
 - CEL

Overall Campus Academic Space Needs

- Classrooms (60-80 seats) and Larger lecture halls (125-150 seats for general education classes)
- Laboratories (biology, chemistry, nursing,(also clinical nursing sites), computer engineering, crime analysis labs)
- Faculty offices
- Academic Research space

Other long term Needs

- Performing Arts (500 seats)
- Expanded Childcare
- K-12 demonstration school
- Conference Center/hotel
- Police facility

Centers & Institutes at CSUSB

Potential Candidates for Off-Campus Location

1. Center on Aging
2. California Council on Economic Education
3. Center for Criminal Justice Research
4. Center for Global Management
5. Center for Indigenous Peoples Studies
6. Center for International Studies and
7. Programs
8. Center for Labor Studies
9. Center for Prose Studies
10. Center for Teaching English Learners
11. Center for the Advancement of Second Language Acquisition
12. Center for the Enhancement of Mathematics Education
13. Center for the Promotion of Health Disparities Research and Training
14. Center for the Study of Correctional Education
15. Center for the Study of Hate and Extremism
16. Center of Islamic and Middle East Studies
17. Community Counseling Center
18. Center on Cyber Security for Information Assurance and Security Management
19. Inland Commerce and Security Institute
20. Inland Empire Center for Entrepreneurship
21. Institute for Child Development and Family Relations
22. Institute of Applied Research and Policy Analysis
23. Institute for Research, Assessment & Professional Development
24. Learning Research Institute
25. Leonard Transportation Center
26. Media Arts Center
27. Palm Springs Institute for Environmental Sustainability
28. University Center for Developmental Disabilities
29. Water Resources Institute
30. Watson and Associates Literacy

* Indicates potential candidate Centers/Institutes for partial or complete relocation off-campus

OPTIONS FOR ADDRESSING NEAR-TERM ACADEMIC SPACE NEEDS AT CSUSB

NEAR TERM OPTIONS

1. Expand Class Scheduling
2. Off-Site Space Resources
3. New Interim Use of Existing Spaces
4. Reconfiguration of Existing Spaces
5. Distance Education Options
6. On-Campus Temporary Facilities (least desirable option)
7. Increase CEL expansion plan and leaseback academic functions to campus

MID TERM OPTIONS

1. Begin planning/fund raising/political campaign process for new multi-purpose lab/classroom/lecture hall/office building

POTENTIAL DOWNTOWN LOCATION FOR CSUSB CENTER

CITY HALL

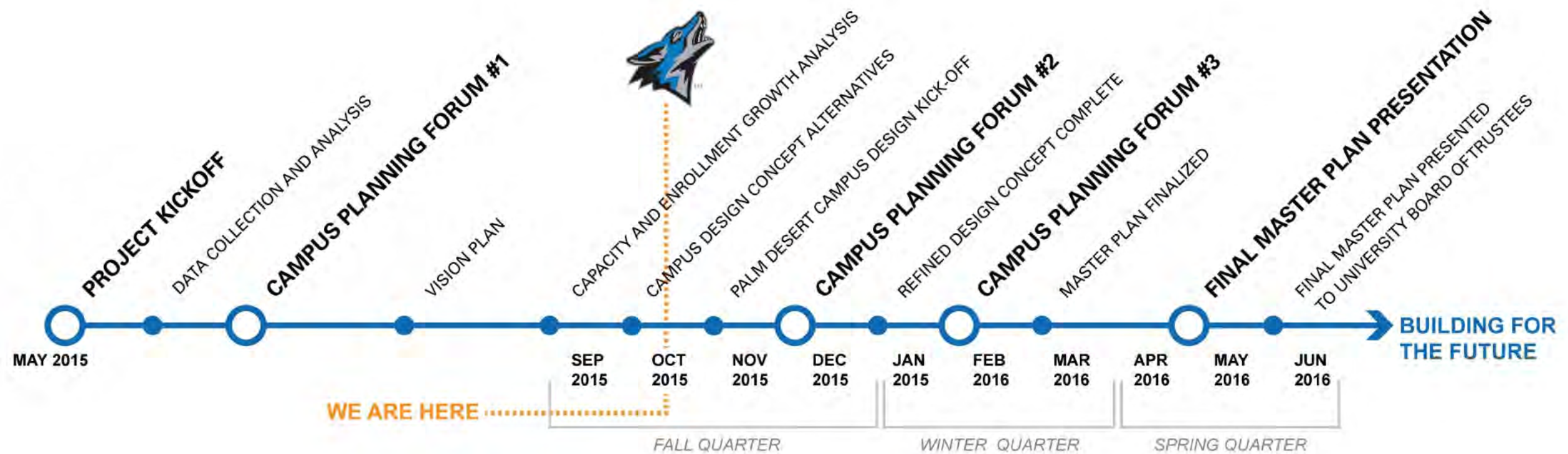
POTENTIAL
CSUSB
SATELLITE

SBX STATION



PRIMARY SHORT TERM MASTER PLAN ISSUES?

1. ESTABLISH NEAR TERM ENROLLMENT DEMAND STRATEGY/POLICY
2. FIND INTERIM ACADEMIC SPACE:
 - LABORATORIES AND CLASSROOMS ARE BEING USED VERY EFFICIENTLY BUT LITTLE OR NO ROOM FOR ADDED ENROLLMENT. (Nursing, Biology, Chemistry, Criminal Justice, Geological Sciences, Physics)
 - LARGER, MORE FLEXIBLE CLASSROOMS (60 – 75 SEATS) AND EVEN LARGER LECTURE HALLS FOR GE CLASSES (125-150 SEATS)
 - FACULTY OFFICES (evaluate grant programs, centers and institutes to determine which programs might better be located off campus)



MASTER PLAN TIMELINE

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