

MT. SAN ANTONIO COLLEGE

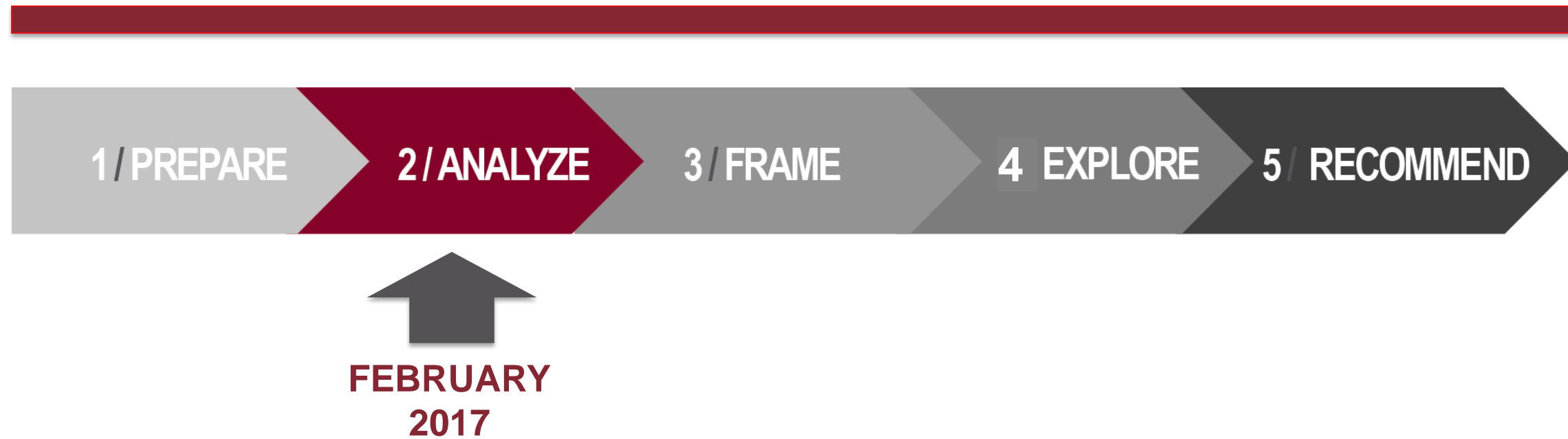
2018 Educational and Facilities Master Plan

MARCH 27, 2017 COMMUNITY FACILITIES PLAN ADVISORY COMMITTEE MEETING

Updates

SEPTEMBER
2016

DECEMBER
2017












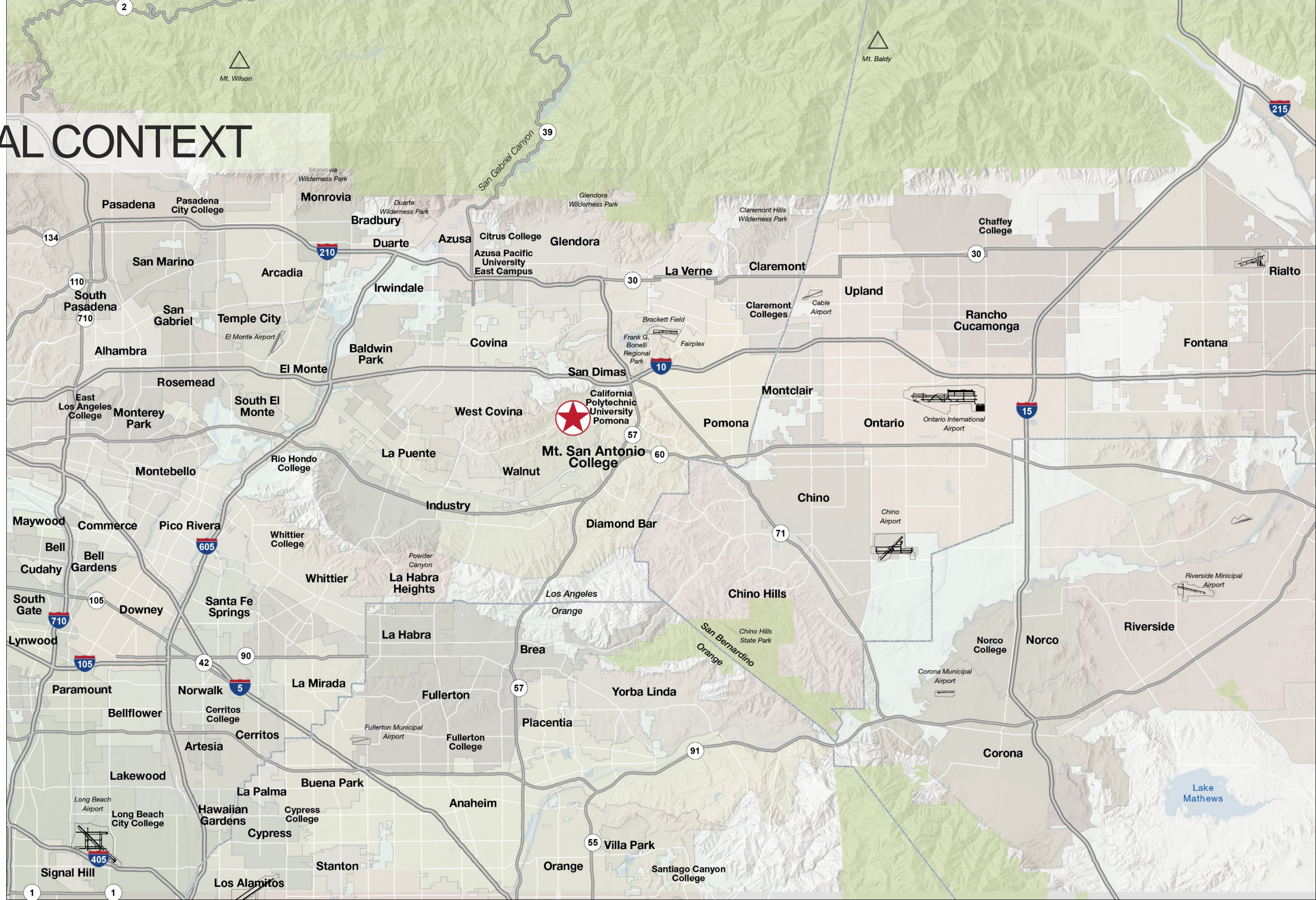
Existing Conditions Analysis

ANALYSIS

REGIONAL CONTEXT

LEGEND

-  MT. SAN ANTONIO COLLEGE
-  INTERSTATE
-  STATE HIGHWAY
-  COUNTY BOUNDARIES
-  CITY DISTRICTS
-  AIRPORT RUNWAY
-  AIRPORT AREA
-  BODIES OF WATER
-  FORESTS AND PARKLANDS



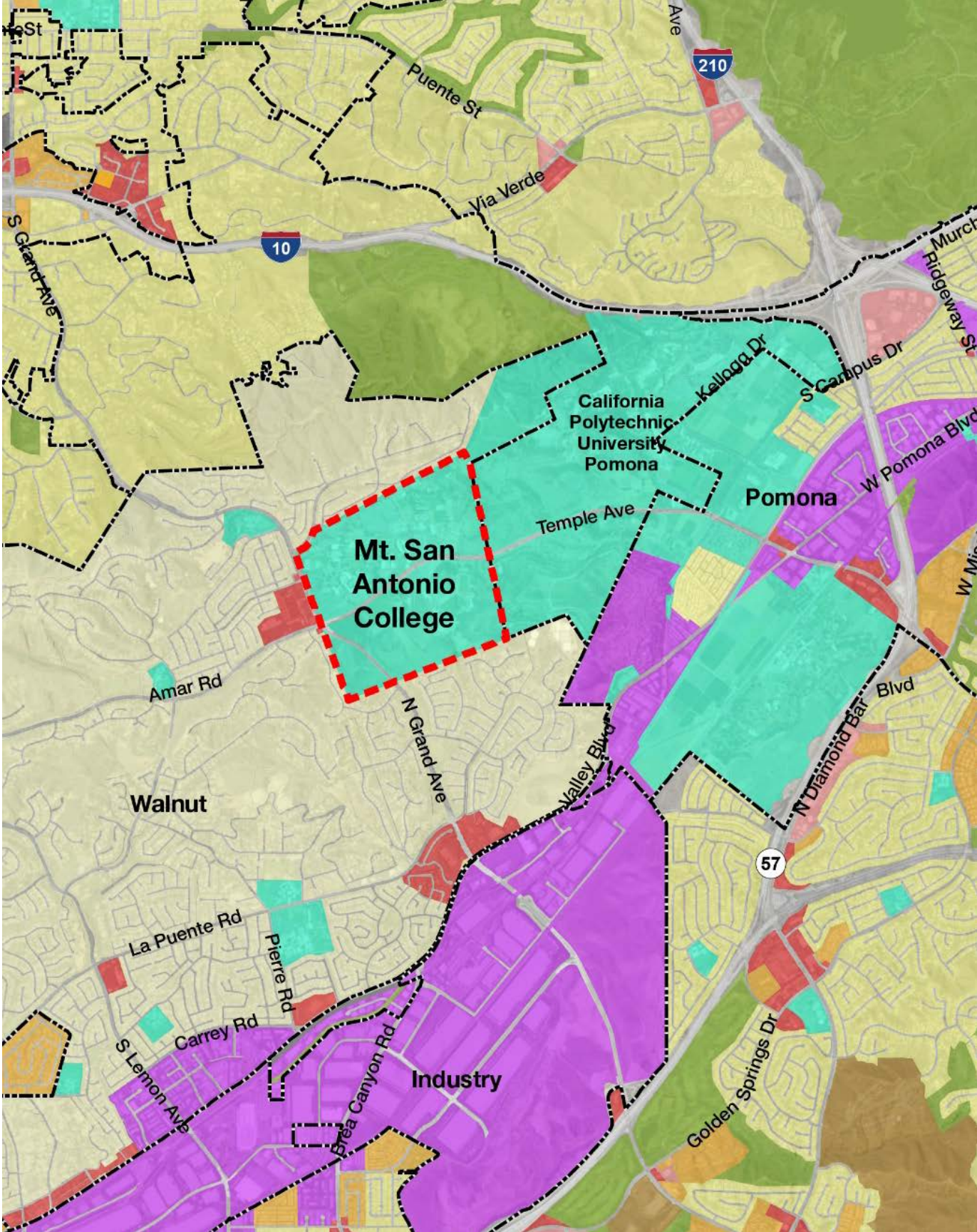
SURROUNDING LAND USE: GENERAL PLAN

OBSERVATIONS:

- City of Walnut General Plan update
 - Anticipated completion September 2017
 - Focus is on key change areas
 - Mt. San Antonio Shopping Center discussed

LEGEND

--- REGIONAL CITIES ---	EDUCATION
- - - MT. SAC - - -	INDUSTRIAL
MIXED RESIDENTIAL	TRANSPORTATION
SINGLE FAMILY RESIDENTIAL	UTILITIES
MULTI-FAMILY RESIDENTIAL	MIXED COMMERCIAL AND INDUSTRIAL
MOBILE HOME/TRAILER PARK	MIXED URBAN
GENERAL OFFICE	OPEN SPACE AND RECREATION
COMMERCIAL SERVICES	WATER
PUBLIC FACILITIES	



CAMPUS PLAN

OBSERVATIONS:

- Large land area—over 400 acres
- Diverse uses & characteristics
- Topography is significant—unique aesthetic
- Public roadways are key elements
- Potential for solar orientation
- Many buildings—including temporary buildings & buildings under construction

LEGEND

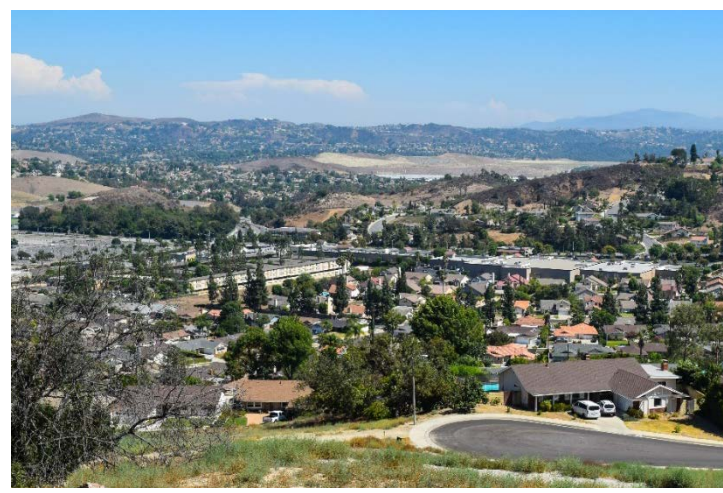
- PROPERTY LINE---
- EXISTING FACILITIES
- TEMPORARY FACILITIES
- FACILITIES UNDER CONSTRUCTION
- SITE AREA UNDER CONSTRUCTION
- CROSS COUNTRY COURSE



VIEWS INTO CAMPUS

OBSERVATIONS:

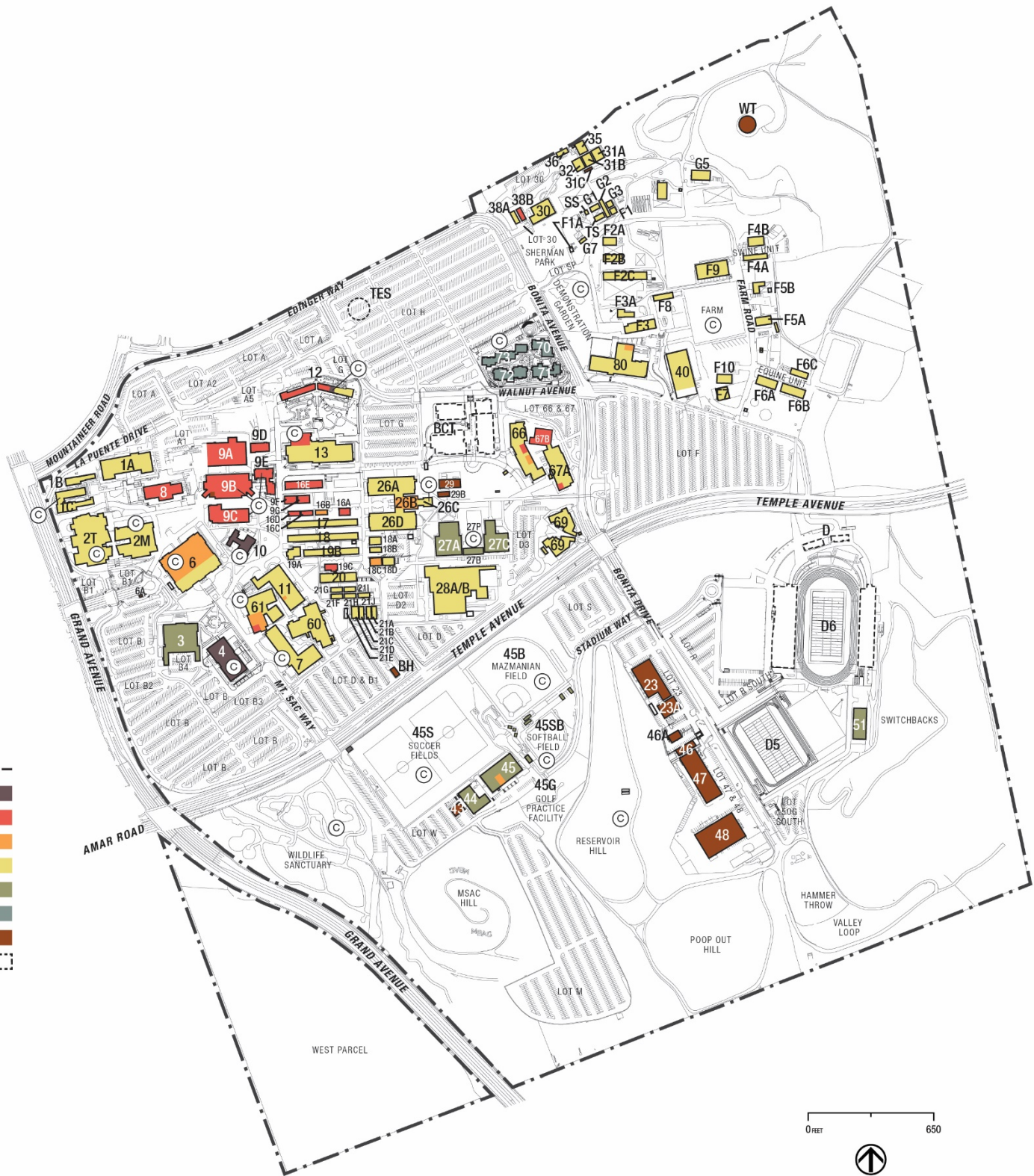
- Neighborhood homes overlook campus
- Views from Temple and Grand Avenues:
 - Landmarks—Mt. SAC Hill, Stadium, soccer fields, and the PAC
- Also parking lots & backs of buildings



CAMPUS ZONING

OBSERVATIONS:

- Student Services & Activities clustered—many temporary buildings
- Continuing Education—separated & many temporary buildings
- PE & Athletics—rezoning in progress



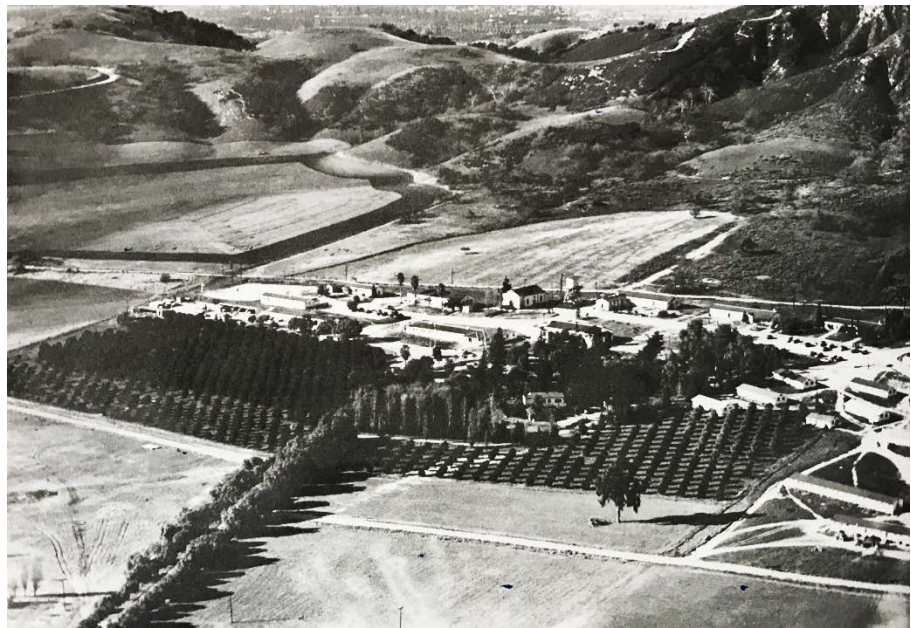
LEGEND

- PROPERTY LINE ---
- ADMINISTRATION
- STUDENT SERVICES & ACTIVITIES
- LIBRARY/LEARNING RESOURCES
- INSTRUCTION - GENERAL
- INSTRUCTION - KINESIOLOGY/ATHLETICS
- INSTRUCTION - CHILD DEVELOPMENT
- CAMPUS SERVICES
- FACILITIES UNDER CONSTRUCTION ---
- © COMMUNITY USE

CAMPUS DEVELOPMENT HISTORY

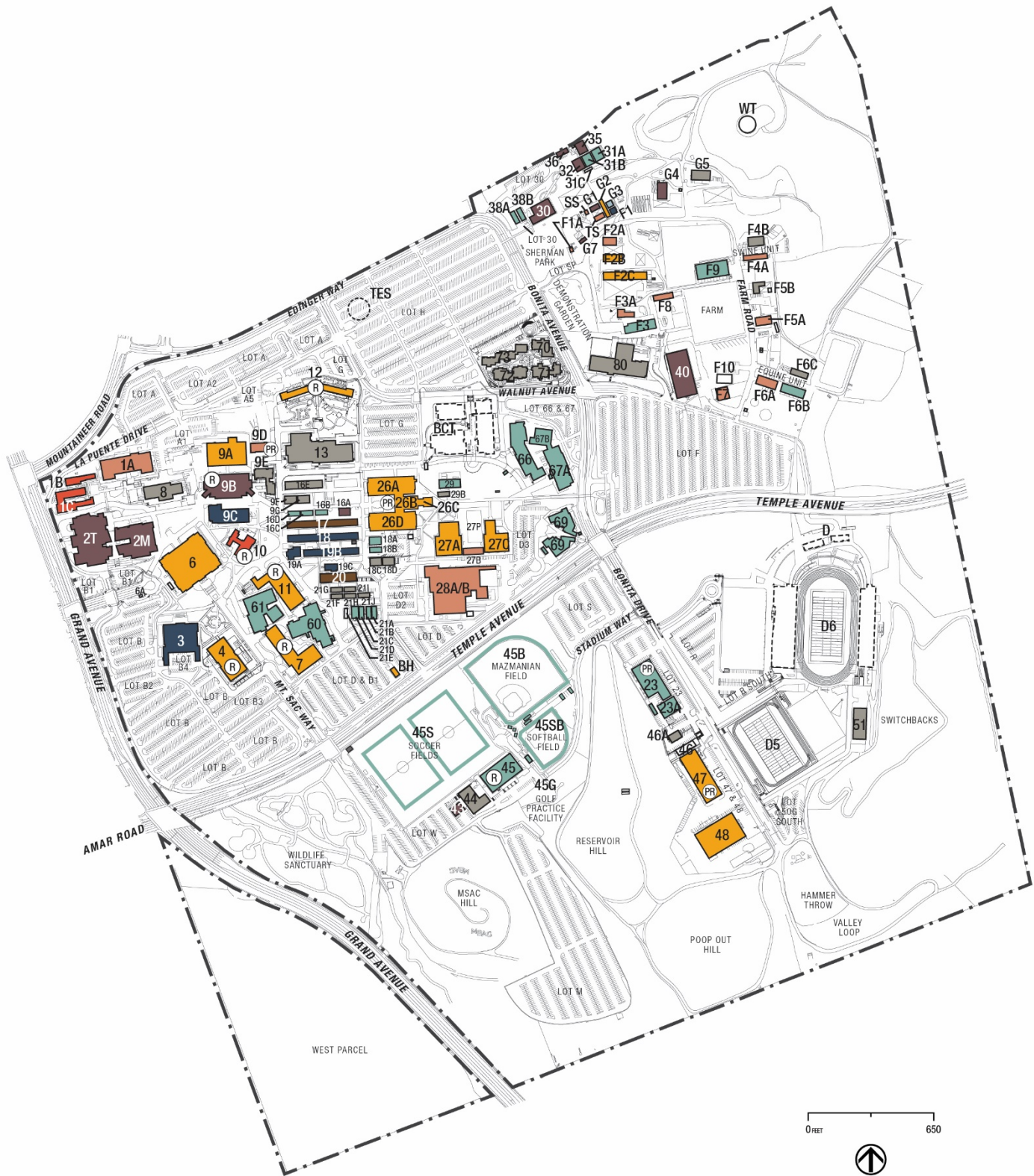
OBSERVATIONS:

- Mt. SAC CCD est. 1945—after WWII
- Former US Naval Hospital leased (1946) then purchased
- Different eras—styles & scales



LEGEND

- PROPERTY LINE ---
- 1930 - 1939
- 1940 - 1949
- 1950 - 1959
- 1960 - 1969
- 1970 - 1979
- 1980 - 1989
- 1990 - 1999
- 2000 - 2009
- 2010 - 2017
- FACILITIES UNDER CONSTRUCTION ---
- (R) RECENTLY RENOVATED FACILITIES
- (PR) PARTIALLY RENOVATED FACILITIES

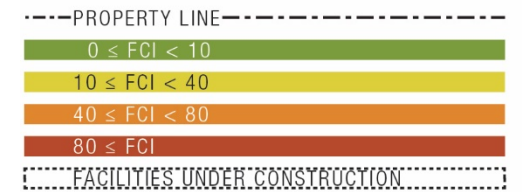


FACILITIES CONDITION

OBSERVATIONS:

- Recent (2016) assessment
- Many facilities are in good condition
- Many higher than 40% (some over 100%)—renovate or replace

LEGEND



FCI - FACILITIES CONDITION INDEX

The estimated total cost of repairs as a percentage of the cost to replace a facility. Source: 2016 Facilities Condition Assessment Report, prepared by R.G. McClung, FUSION Assessor



Open Space Analysis

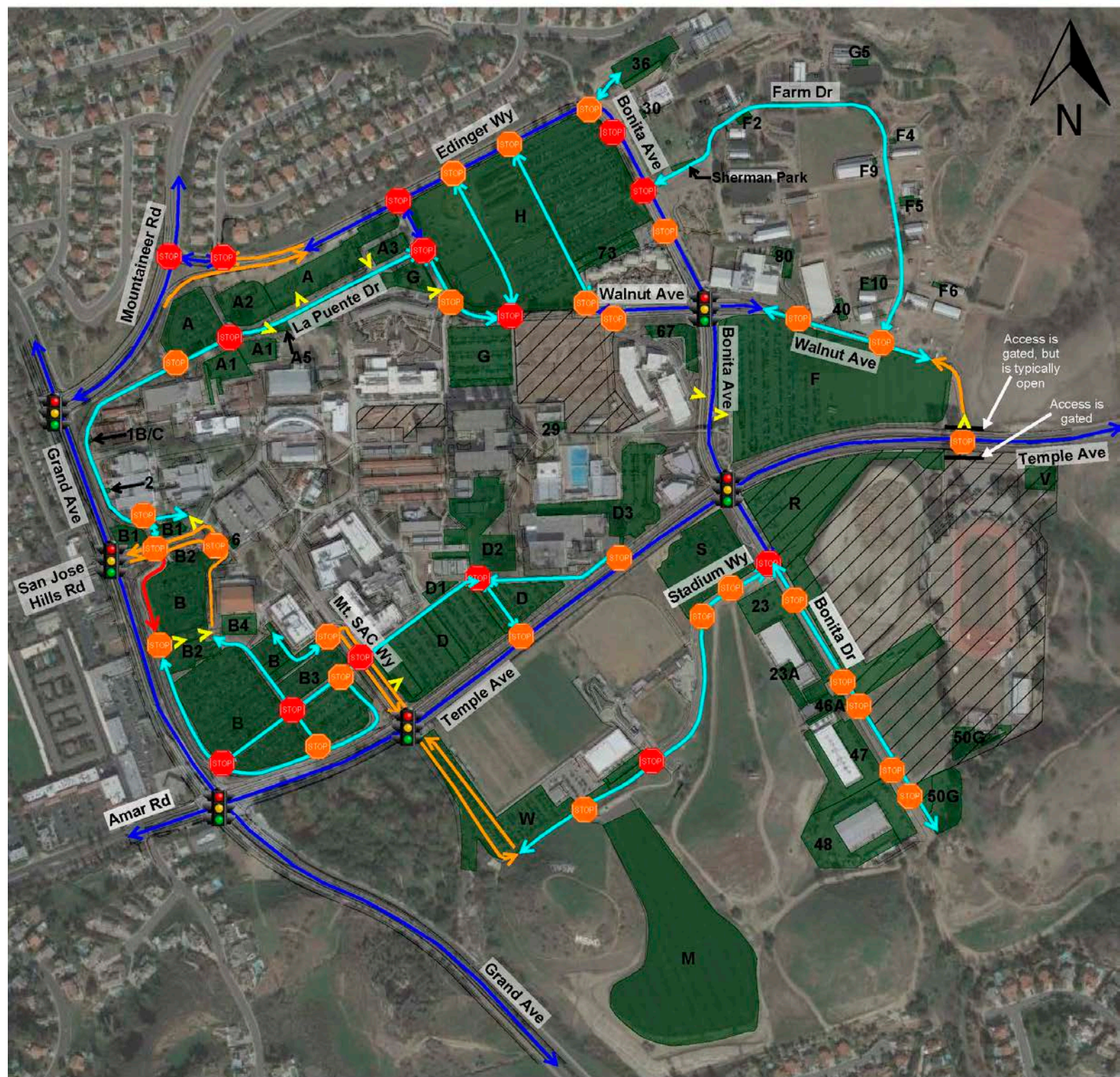
VEHICULAR CIRCULATION

OBSERVATIONS:

- Good access from major cross streets
- High capacity intersections at Temple / Grand and Grand / San Jose Hills
- Well-served by public transit
- Confusing on-campus circulation

LEGEND

- Two-Way, Two Lanes
- Two-Way, Four Lanes
- One Way, One Lane
- One Way, Two Lanes
- Access - Signalized
- Access - All Way Stop
- Access - Two-Way Stop
- Access - Two-Way Stop, Right-in, Right-out only
- Access - One Way (Entrance or Exit Only)
- Areas under construction or starting construction soon
- Parking lots (see Existing Parking figure for additional information)



PEDESTRIAN CIRCULATION

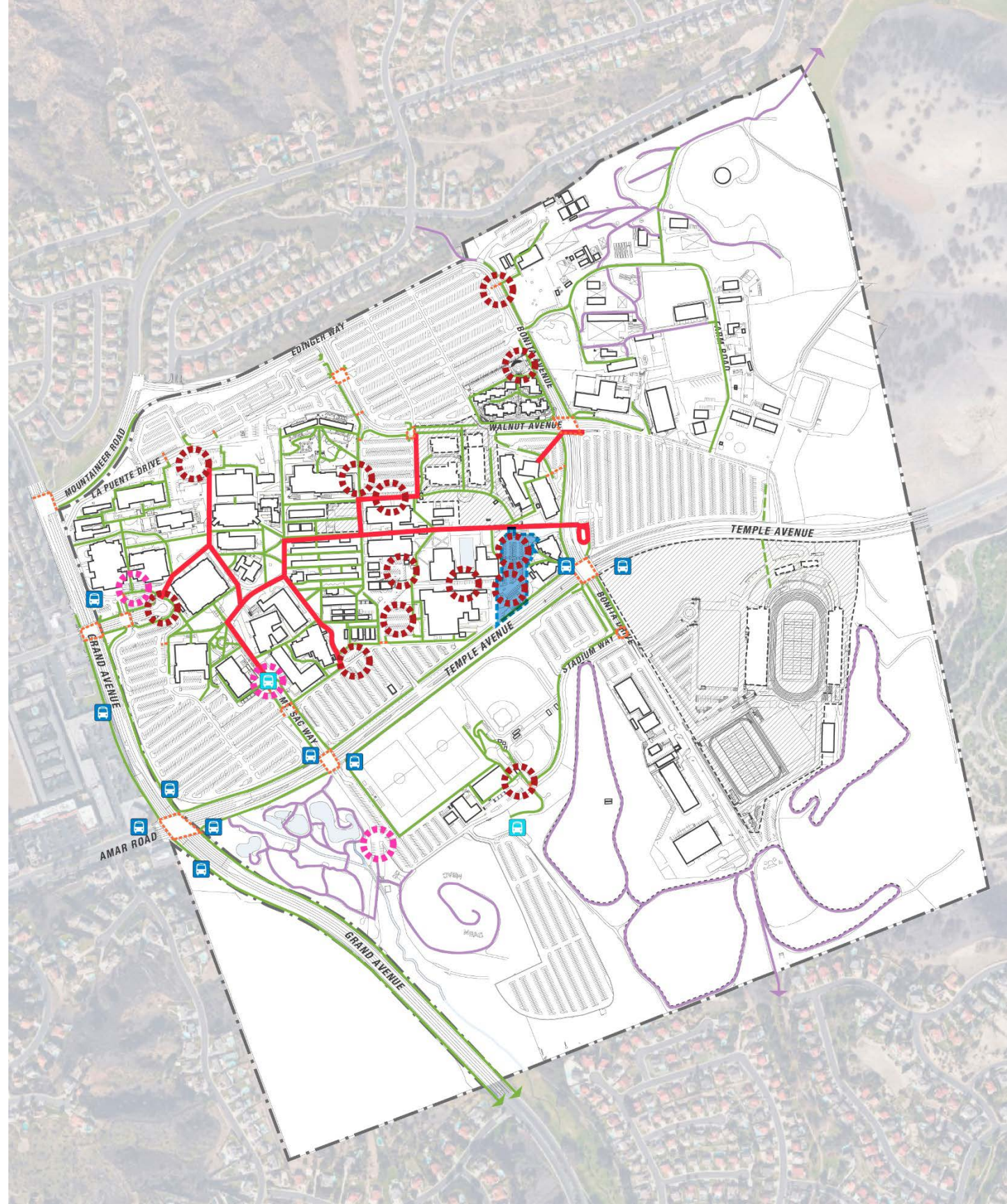
OBSERVATIONS:

- Walkable scale, impaired by design & topography
- Weak connections between campus core & other areas
- Universal access circulation is incomplete



LEGEND

- PROPERTY LINE ---
- EXISTING FACILITIES
- FACILITIES UNDER CONSTRUCTION ---
- LANDSCAPE UNDER CONSTRUCTION ---
- PRIMARY PEDESTRIAN CIRCULATION ---
- SECONDARY PEDESTRIAN CIRCULATION ---
- MULTI-PURPOSE TRAILS ---
- TRANSIT STOPS
- CAMPUS SHUTTLE STOPS
- FUTURE TRANSIT CENTER ---
- CROSSWALKS ---
- PASSENGER DROP-OFF/PICK-UP (DESIGNATED)
- PASSENGER DROP-OFF/PICK-UP (NOT DESIGNATED)
- CROSS COUNTRY COURSE



SITE LIGHTING

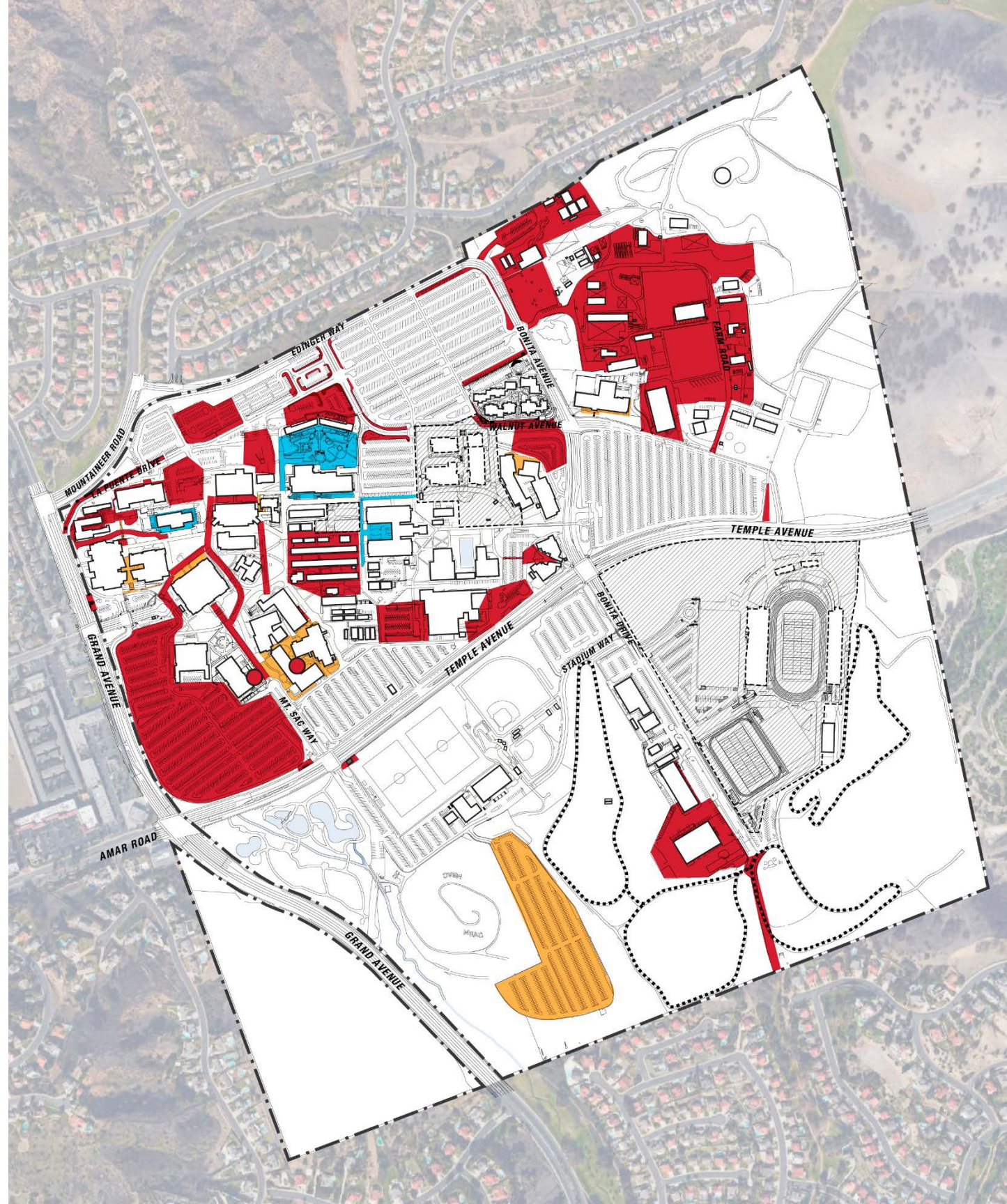
OBSERVATIONS:

- Lack of campus lighting standards
- Inadequate lighting affects safety and education
- Desire for LED lighting as new standard



LEGEND

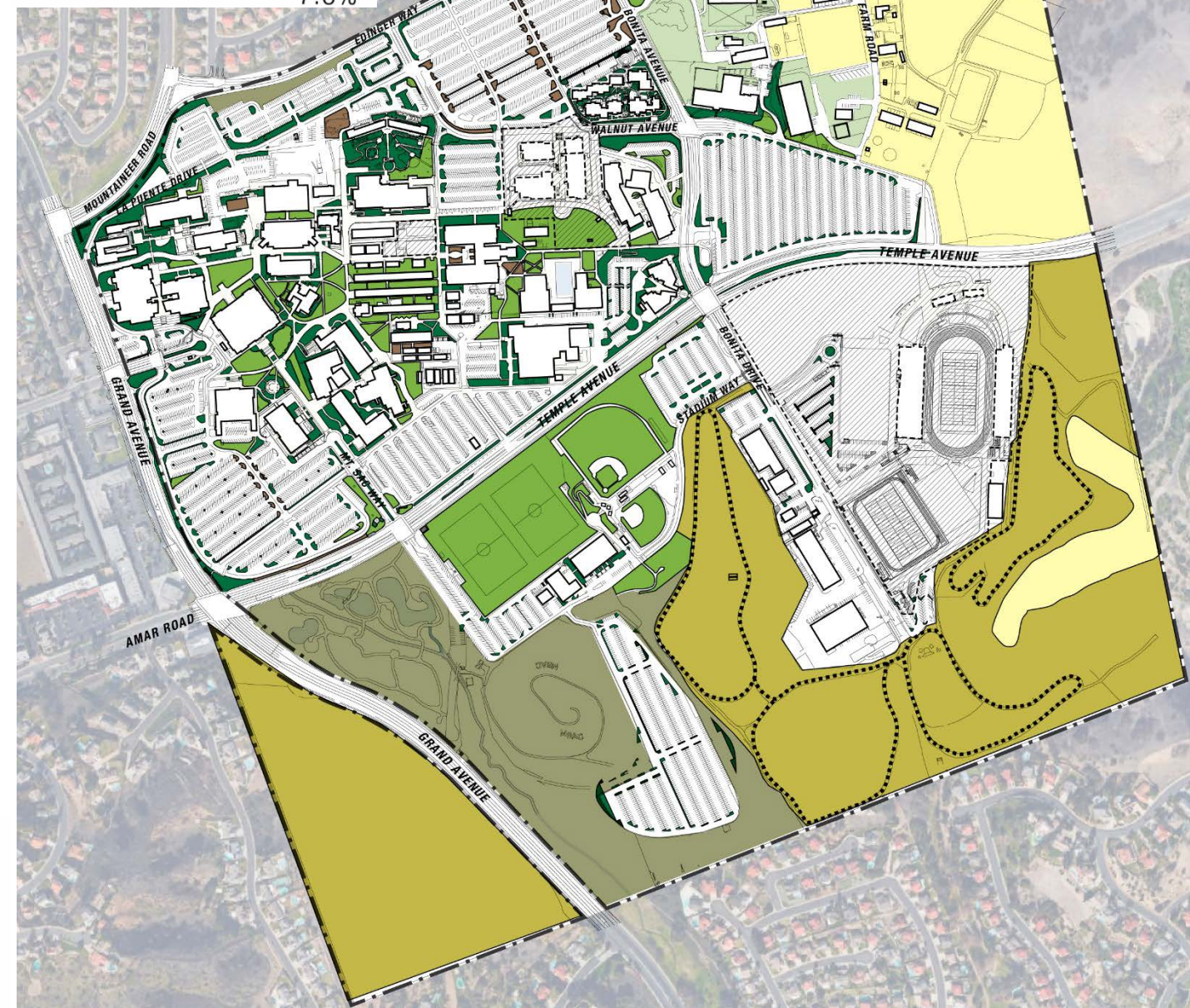
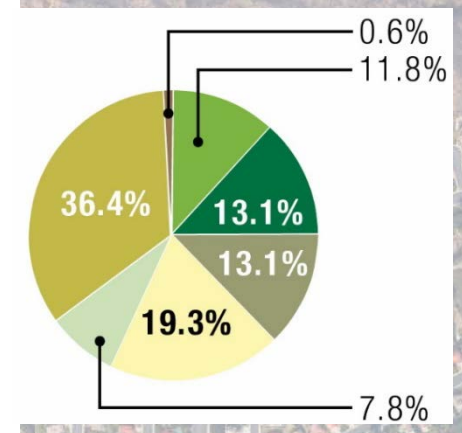
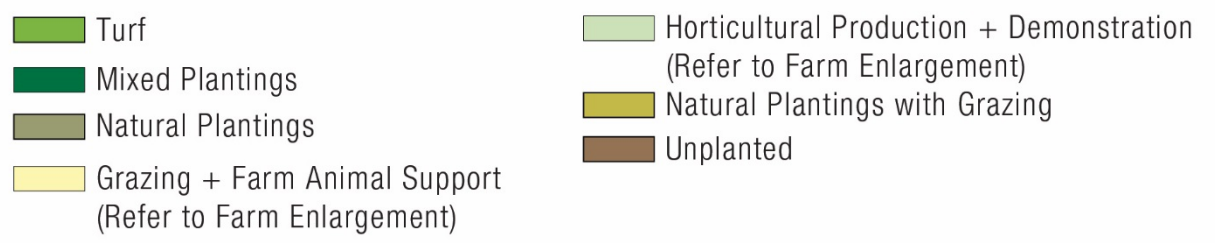
- PROPERTY LINE
- EXISTING FACILITIES
- FACILITIES UNDER CONSTRUCTION
- LANDSCAPE UNDER CONSTRUCTION
- AREAS WITH INSUFFICIENT LIGHTING
- HIGH-MAINTENANCE AREAS
- AREAS WITH LED LIGHTING
- FLAGS WITHOUT LIGHTING FIXTURES
- CROSS COUNTRY COURSE



SOFTSCAPE

OBSERVATIONS:

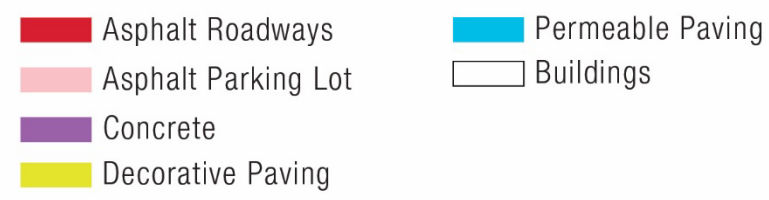
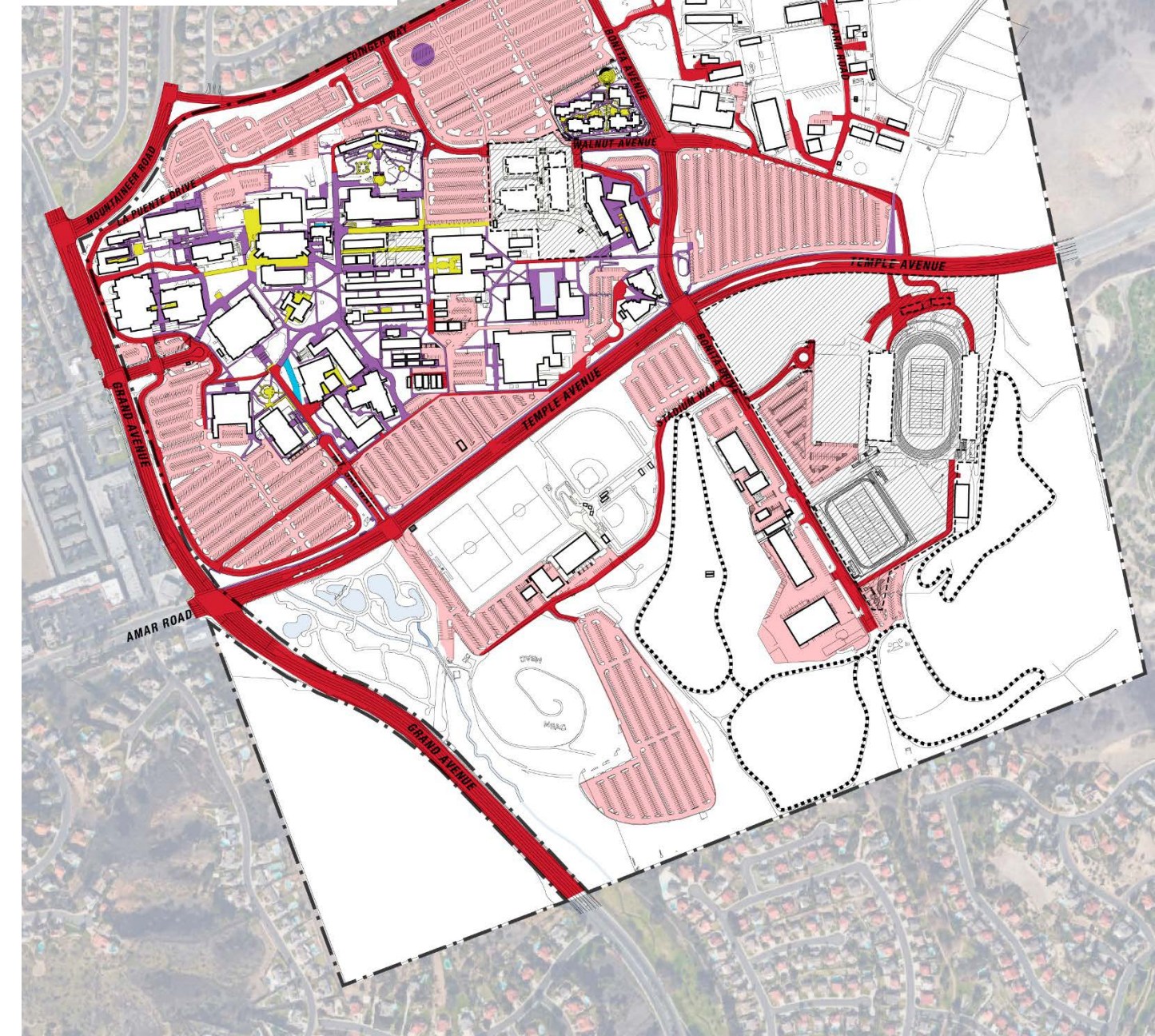
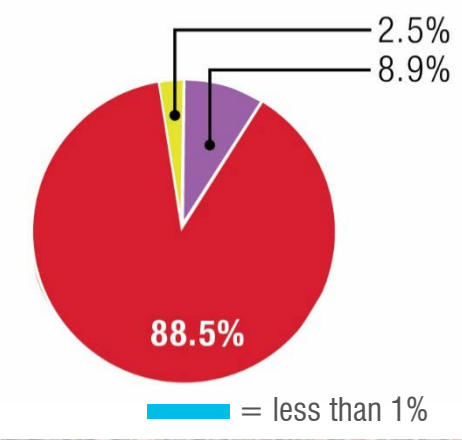
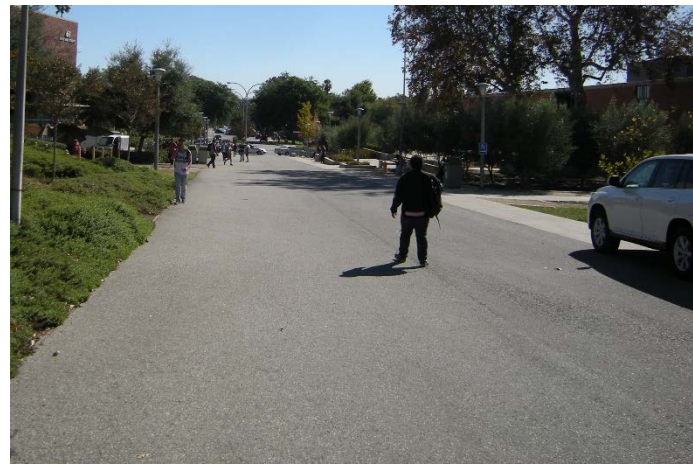
- 60% of the campus is softscape (planting)
- 18% of campus core is softscape
- Planting type impacts irrigation water needs
- Plantings support educational objectives



HARDSCAPE

OBSERVATIONS:

- 30% of overall campus is hardscape
- 74% of campus core is hardscape
- Need for consistent paving types



FARM FACILITIES

OBSERVATIONS:

- Inadequate infrastructure: drainage, irrigation, circulation, & lighting
- Many aging and outdated facilities
- Need for more efficient organization of space & facilities



Environmental Analysis

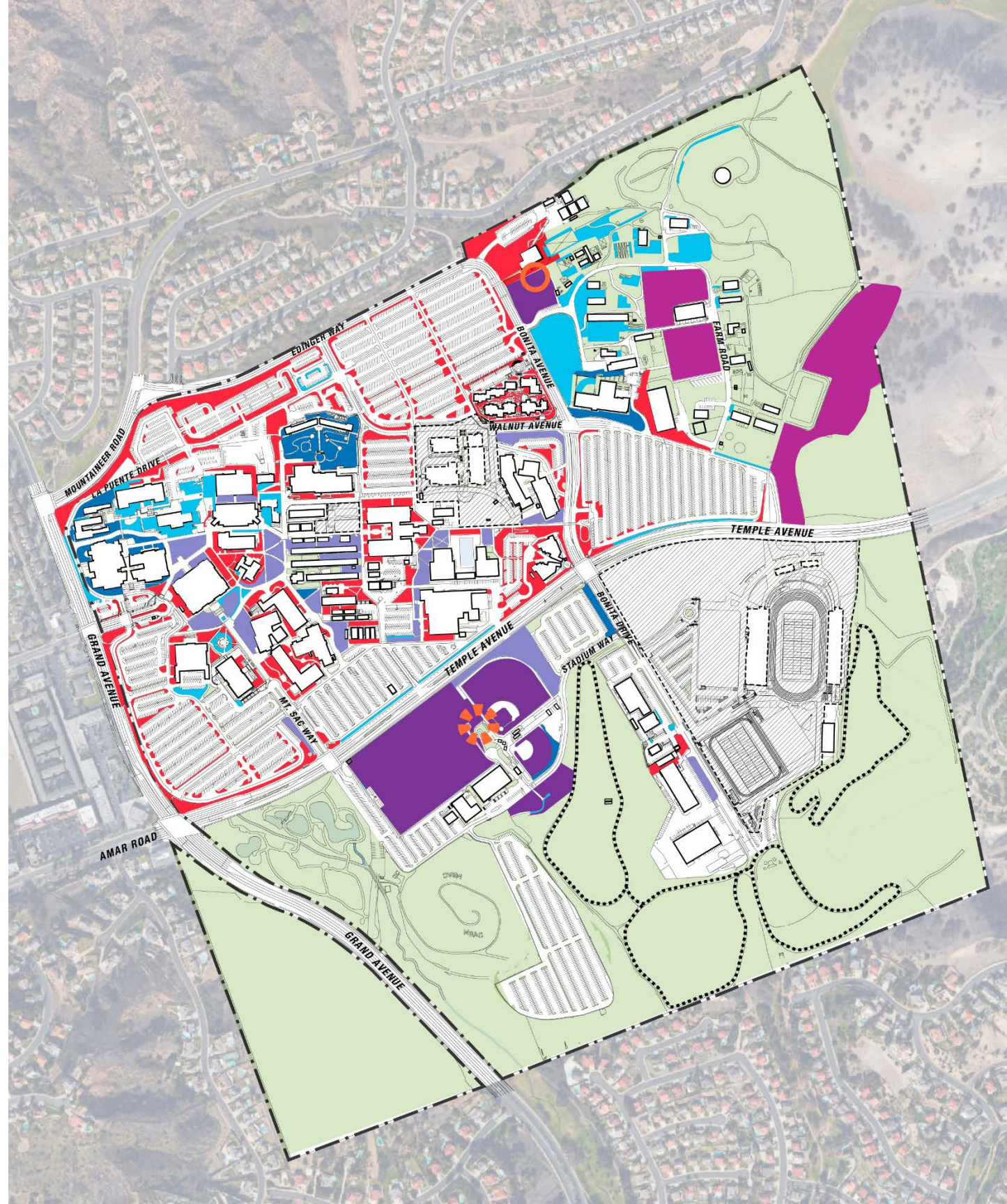
LANDSCAPE IRRIGATION INTENSITY

OBSERVATIONS:

- Irrigation conversion in process
- Planting type & open space use impacts water needs
- Multiple campus microclimates challenge irrigation efficiency

LEGEND

---	PROPERTY LINE
□	EXISTING FACILITIES
▨	FACILITIES UNDER CONSTRUCTION
▩	LANDSCAPE UNDER CONSTRUCTION
■	DRIP IRRIGATION (MOST EFFICIENT)
■	ROTARY NOZZLES
■	RAINBIRD 5000 ROTOR
■	RAINBIRD 6500 ROTOR
■	HUNTER I-90 ROTOR
■	SPRAY NOZZLES (LEAST EFFICIENT)
■	SOFTSCAPE WITHOUT IRRIGATION
○	CURRENT WEATHER STATION
⊗	FUTURE WEATHER STATION
⋯	CROSS COUNTRY COURSE



HEAT ISLAND

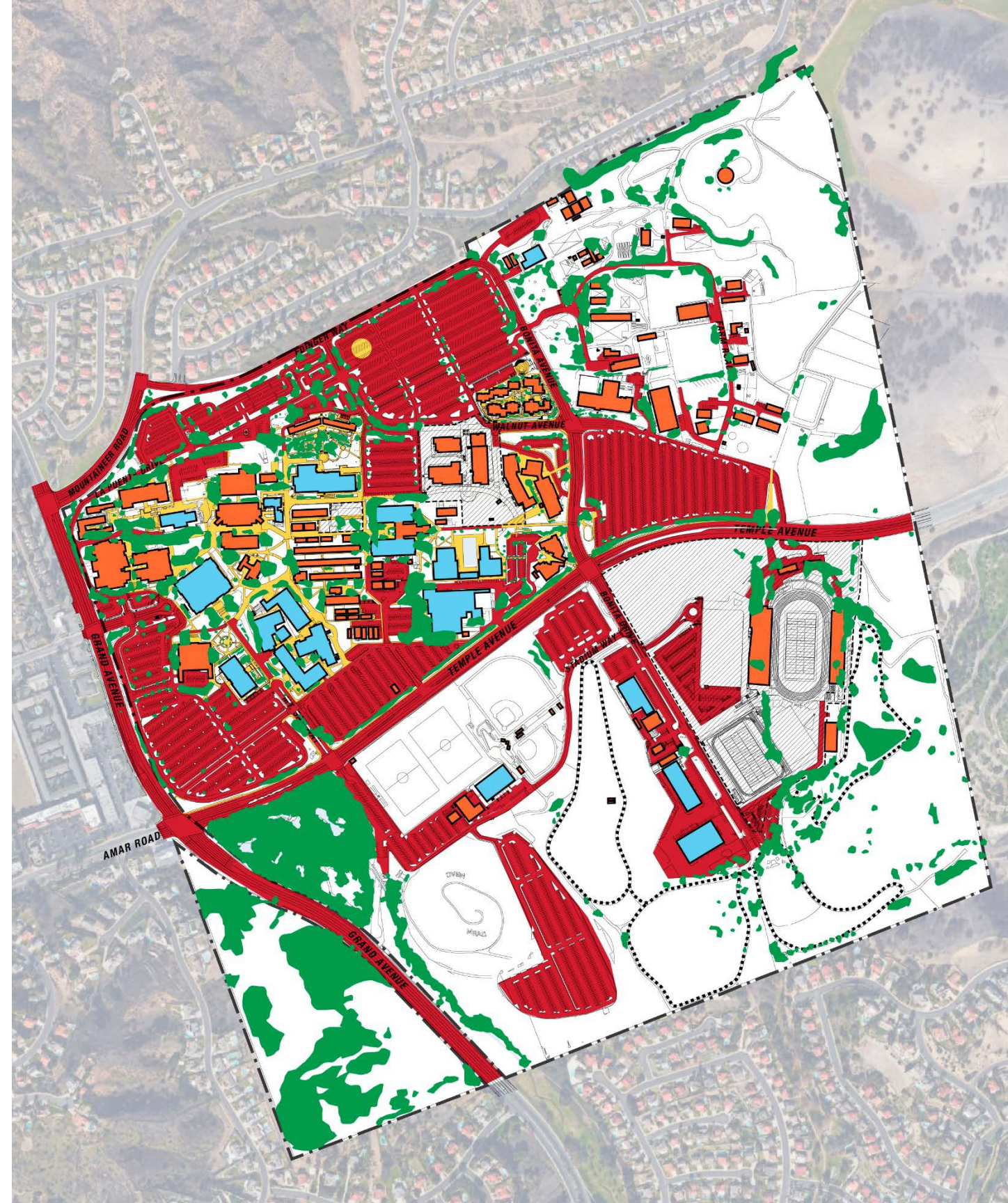
OBSERVATIONS:

- 88% of campus hardscape is asphalt
- Large areas of paving lack tree canopy coverage
- 37.5% of roof surface area has cool roof materials



LEGEND

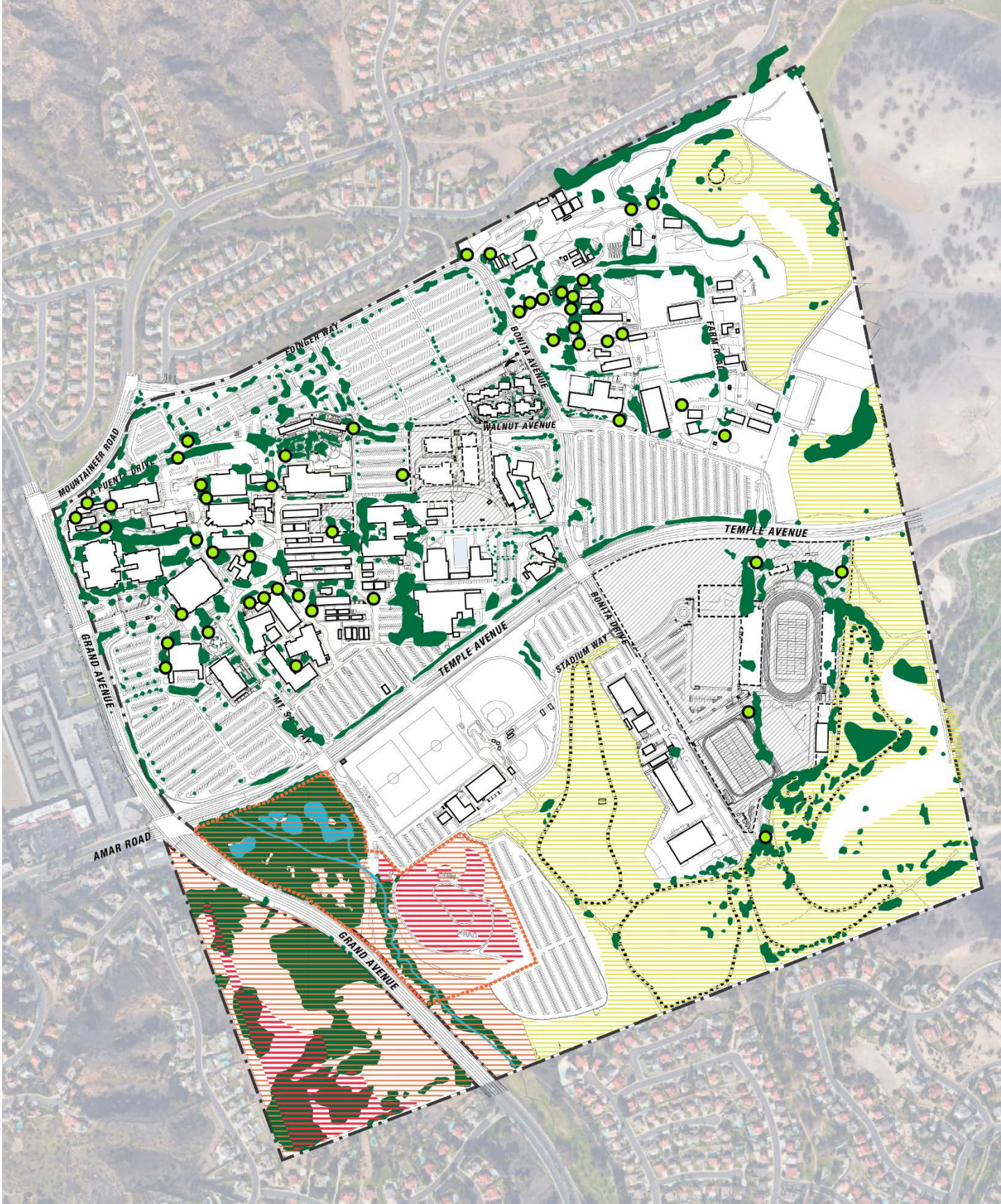
---	PROPERTY LINE
□	EXISTING FACILITIES
▨	FACILITIES UNDER CONSTRUCTION
▩	LANDSCAPE UNDER CONSTRUCTION
■	EXPOSED ASPHALT
■	EXPOSED CONCRETE/DECORATIVE PAVING
■	ROOF TOPS - TRADITIONAL
■	ROOF TOPS - COOL ROOF
■	TREE CANOPY
⋯	CROSS COUNTRY COURSE



CAMPUS NATURAL HABITAT + CAMPUS FOREST

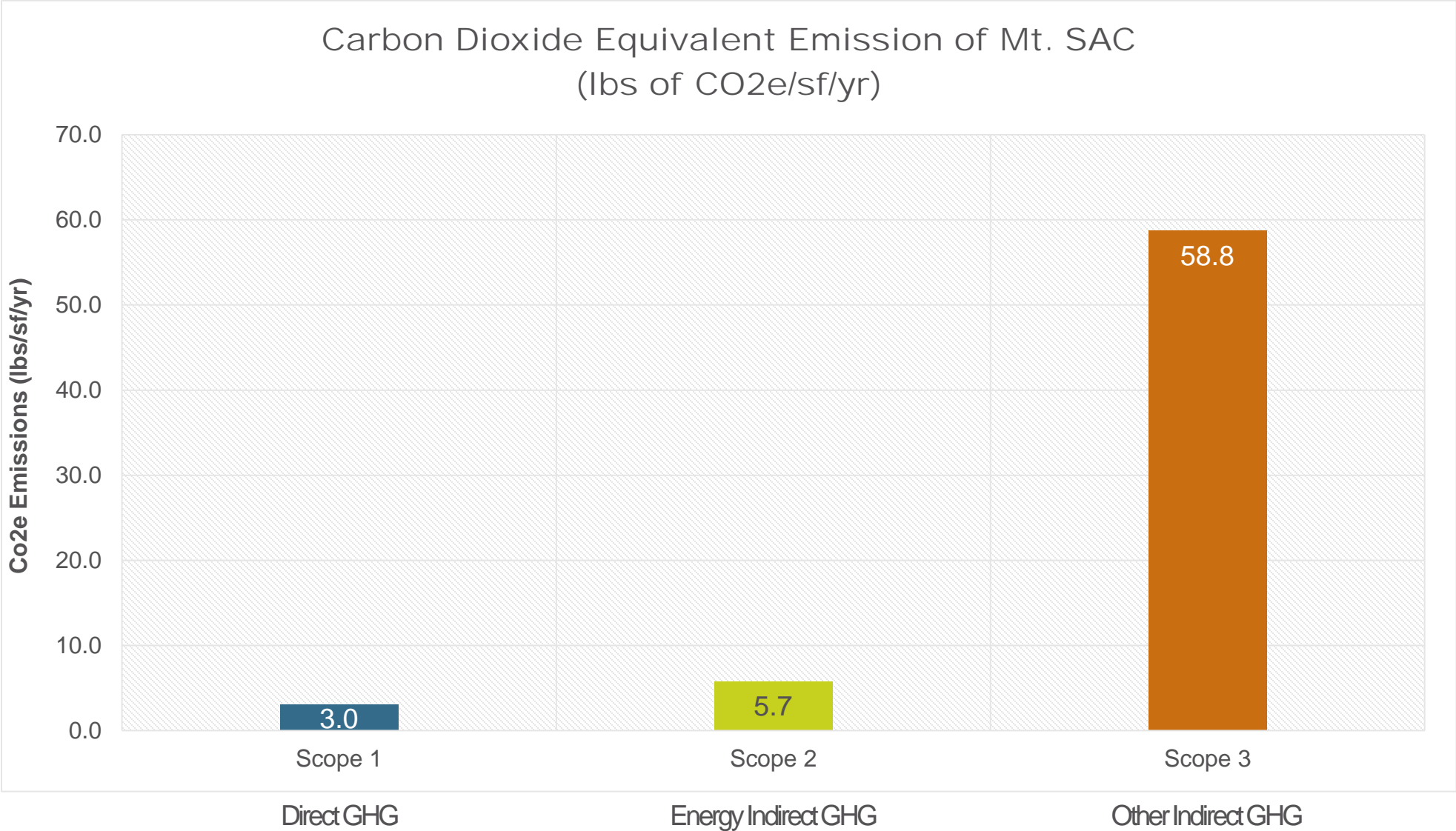
OBSERVATIONS:

- 24.5% of the campus is natural habitat, but needs adequate fencing & signage
- Campus forest provides environmental, educational, & aesthetic benefits
- Campus forest is fragmented



- Specimen Tree
- Tree Canopy
- ▨ Natural Habitat - Restrictive Covenant, Restricted Access
- ▨ Natural Habitat - Not in Restrictive Covenant, Restricted Access
- ▨ Natural Habitat - Livestock Management
- Natural Habitat - Water
- ▭ Wildlife Sanctuary

CARBON FOOTPRINT: MT. SAC SCOPE 1, 2, + 3 EMISSIONS



Opportunities

OPPORTUNITIES

Connect to the community.

/ Source of pride

/ Partnered

/ Respectful

/ Well-branded identity



OPPORTUNITIES

Maximize functional space.

/ Well-equipped and outfitted

/ Appropriately zoned

/ Well-connected and linked



OPPORTUNITIES

Eliminate non-functional space.

/ With no temporary space

/ With no aged and outdated space



OPPORTUNITIES

Improve the efficiency/utilization of space.

/ Aligned with program needs

/ Balanced among priorities

/ Flexible

/ Densified and intentional land use



OPPORTUNITIES

Right-size the campus for program needs.

/ Data-driven planning for services



OPPORTUNITIES

Enhance the campus learning and working environment.

/ Student-focused

/ Intellectually rich

/ Delightful and welcoming

/ Healthy, safe, and secure



OPPORTUNITIES

Promote sustainable design, construction, and operations.

/ Financially, socially, and environmentally sustainable

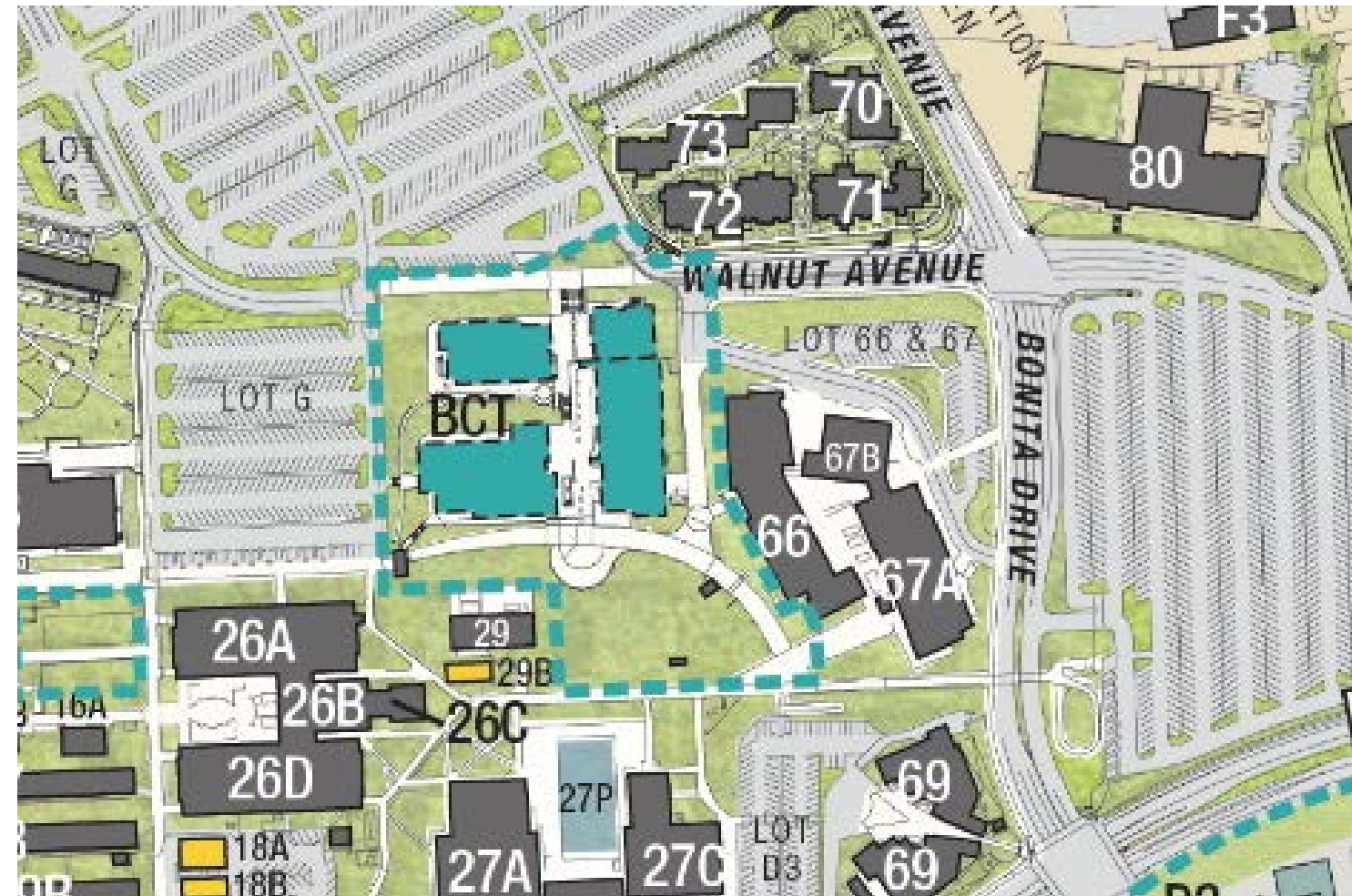
/ Promote sustainable culture, facilities, and operations



OPPORTUNITIES

Simplify Implementation.

/ Minimally disruptive





QUESTIONS + COMMENTS

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