



2018 FACILITIES MASTER PLAN COPPER MOUNTAIN COLLEGE





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APRIL 2018

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CHAPTER ONE ■ INTRODUCTION

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INTRODUCTION

HISTORY & BACKGROUND



Copper Mountain College (CMC), centrally located in the Joshua Tree Gateway Communities which is comprised of Joshua Tree, Landers, Morongo Valley, Twentynine Palms, Yucca Valley, and surrounding areas is renowned as the college built by the people. The first phase of the campus was paid for almost entirely with local private money and subsequent phases with substantial private help. Now governed by its own locally elected board of trustees, CMC's road to independence was accelerated by legislative action in recognition of the college's uniquely strong local support.

The college was initially founded in 1966 when the residents of the Morongo Unified School District, comprised of the Joshua Tree Gateway Communities, elected to join the Coachella Valley Community District, currently known as Desert Community College District. Classes were first offered in Fall 1967 at the Twentynine Palms High School to approximately 60 students.

In 1981, a group of Morongo Basin residents decided to build a campus with funds raised by community volunteers. Upon completion of its first phase in 1984, the new campus quickly attracted a host of first-generation college students, including military personnel and their dependents stationed at the Marine Corps Air Ground Combat Center in Twentynine Palms. On July 8, 1988, the

second phase of construction was dedicated, effectively increasing the availability of educational facilities with multiple classrooms.

By 1993, the third phase, including a Library, Student Services Center, and Cafeteria, was completed.

State Senator James Brulte (R-Rancho Cucamonga) learned of Copper Mountain Campus' desire to achieve independent college status and introduced legislation to create the Copper Mountain Community College District. By a 90 percent vote in November 1999, Morongo Basin residents endorsed their new college. In June 2001, Copper Mountain College was granted full accreditation status by the Accrediting Commission for Community and Junior Colleges of the Western Association of Schools and Colleges.

In November 2004, local voters approved the Measure C Bond, granting CMC access to \$19 million to perform renovations in the Library, Student Services and in career training program facilities such as Nursing, Science, and Computer Labs. CMC was also able to construct the General Ernie Reid Bookstore in 2006 and a multi-use sports facility in 2010 now known as the Bell Center. In January 2016, Copper Mountain College opened the Christine Proudfoot Student Activity Center (CPSAC) and Bud & Betty's Place for Veterans.

CMC offers a wide variety of Associate degrees, certificate programs, and non-credit programs. Classes are offered at the Main Campus, the Marine Corps Base Satellite Office and in various other locations convenient to neighborhood residents.

Copper Mountain College serves the Joshua Tree Gateway Communities, with a combined population of approximately 70,000 covering an area of approximately 45 miles east to west and 20 miles north to south.

MISSION STATEMENT

Our mission is to provide educational opportunities for diverse desert communities and beyond through a comprehensive curriculum and support services that demonstrate a passion for the success of every individual student. Copper Mountain College offers high quality, affordable instruction that enables students to attain mastery in basic skills, and career development, as well as building pathways to Associate degrees, certificates, university transfer, and personal enrichment.

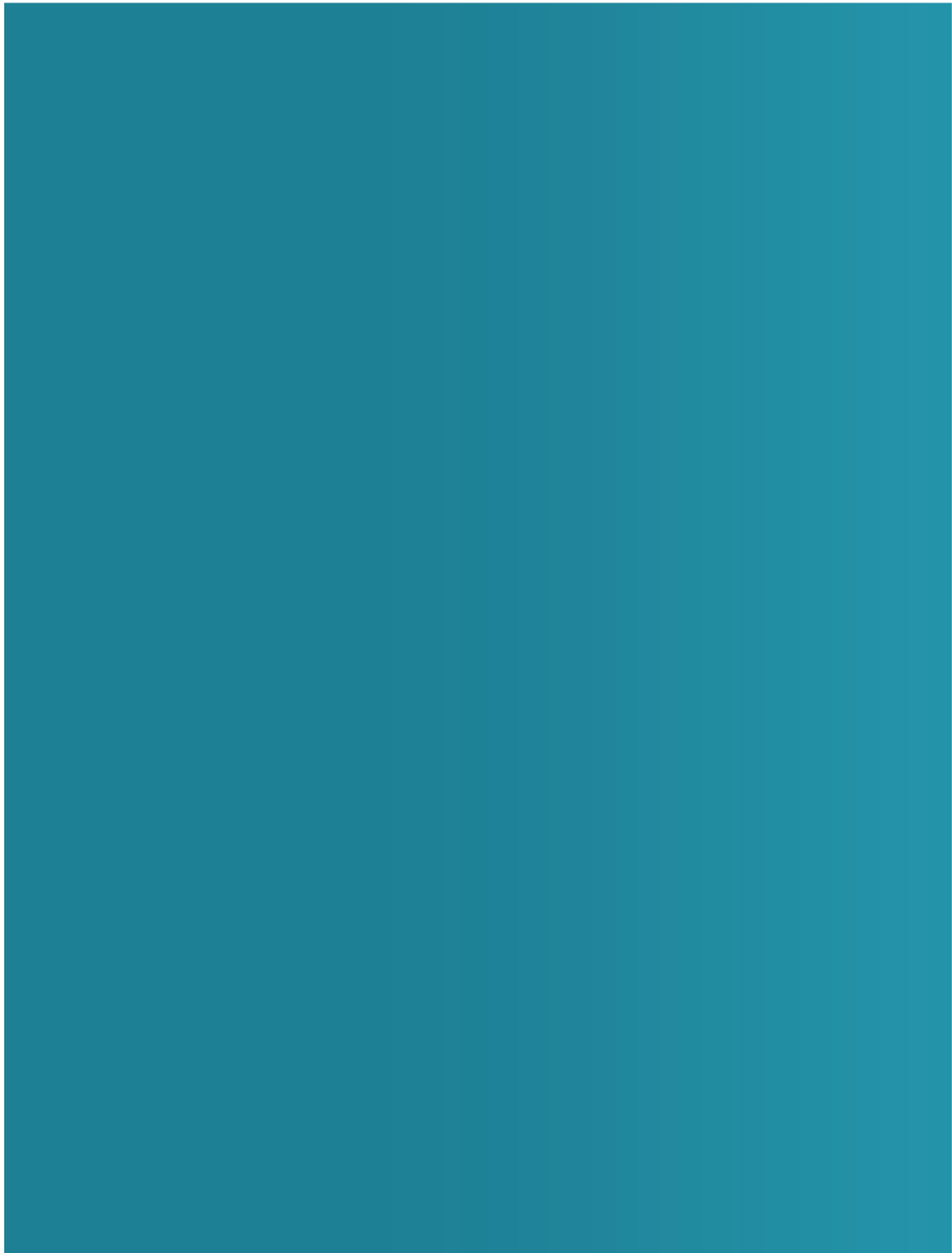
VISION STATEMENT

Copper Mountain College will be the educational and cultural center of the Morongo Basin. Through cooperative efforts with the community and within the college, we will develop innovative curricula matched to the needs of our students to prepare them to achieve their educational, employment, and life-long learning goals.

CORE VALUES

- . **Mutual Respect:** to work in a spirit of cooperation and collaboration.
- . **Ethical Behavior:** to demonstrate through personal action that people should relate to each other in accordance with the accepted principles of right and wrong.
- . **Service:** to help others become morally and ethically wiser, freer in thought, and better able to serve.
- . **Integrity:** to act ethically and honestly toward our students, colleagues, and community in order to hold their trust and to be true to our word.
- . **Collaboration:** to work together to shape the future of the college.
- . **Accountability:** to accept responsibility for our actions.
- . **Commitment:** to work actively in promoting the academic, social, and economic well-being of the students and communities we serve.







CHAPTER TWO ■■ GOALS & STRATEGIES

2

GOALS & STRATEGIES

MASTER PLANNING PROCESS

The primary planning document for Copper Mountain College is our Education Master Plan with embedded Strategic Initiatives. For the size and scope of our college, we have determined that this approach to planning is more effective than attempting to manage separate hierarchical plans such as a separate Education Master Plan and Strategic Plan. Our long range planning and Education Master Plan development process began in the spring of 2015 by holding six separate community forums devoted to acquiring a vision from our various communities as to how Copper Mountain Community College can better serve them in the future. Community forums were held in Morongo Valley, Landers, Yucca Valley, Joshua Tree, Twentynine Palms, and on the Marine Corps Air Ground Combat Center. As a follow up to the Community Forums, an electronic survey for external input was also administered. Approximately 170 community members responded to this survey. In Fall 2015, an internal survey was administered and approximately 120 CMC staff responded to that survey. The information gathered was then combined with recent activities on campus including the Academic Senates adoption of their 100% Student Success Resolution, Classified Senates' Resolution supporting the Academic Senates' and dialogue at the committee level, to develop the original 2016-2021 Education Master Plan Outline Draft. The Superintendent/President then used this draft to inform meetings with individual departments and committees on campus to help develop the details of the Strategic Initiatives. As the final draft matured, staff meetings were held to solicit additional input into the plan and to better define specific plan elements.

STRATEGIC INITIATIVES

(Priorities derived from: Campus dialogue, external and internal surveys, community forums, resolutions, MOUs, Program Review)

1) STUDENT SUCCESS:

Our highest priority in the next five years is the success of our students. Current success rates (defined by the CCC Chancellor's Office as completion of a degree, certificate, or transfer ready) are approximately half of the state average.

GOAL

Increase Student Success by completing all targets as defined in the Institutional Effectiveness Report over the next five years.

STRATEGIES

- Continue to develop a highly "student centric" campus environment.
- Fully implement 100% Student Success Resolution
- Kiosk in Student Activity Center
- Saturday Library Hours and Child Care Center
- Expedited enrollment for local high school graduates including a "seamless" transition to CMC
- Generate a two year schedule and enroll for a full year
- Enhanced focus on student club activities campus engagement
- Transfer and Career support
- Foundation support for student success – "Try One on Us", increase Alumni Association presence on campus and in the community.

2) PARTNERSHIPS:

Partnering with other agencies in the Basin will increase the ability of our students to gain real world experience and employment opportunities while helping the college leverage resources and better supporting our communities.

GOAL

Increase our partnerships by defining and establishing them within the next two years.

STRATEGIES

- CMC – MUSD

- Dual Enrollment
- Full GE rotation offered at high schools
- Adult Education Block Grant full implementation at alternate sites
- Base/Veteran
- Joshua Tree National Park
- Cooperative Work Experience, Internships, Desert Studies projects
- 4 Year University – four year degree opportunities provided in the basin

3) COMMUNITY & BUSINESS ENGAGEMENT:

Copper Mountain College is a unique institution of higher learning, built by the community and for the community. In order to best support our communities, including the businesses that make up our communities, CMC will make our community and business engagement a priority.

GOAL

Increase our engagement in our communities by doubling our community survey responses in the next 5 years.

STRATEGIES

- Campus Tours
- Open House Events
- Internships/CWE
- Athletics and Athletic Boosters

4) PROGRAM DEVELOPMENT:

A significant amount of input related to the future of CMC is in support of developing new programs to better attract and serve our students. Finding programs that are feasible to sustain here in the basin and that will lead to solid employment opportunities for our students is challenging.

GOAL

Add three new programs in the next 5 years contingent upon regional needs.

STRATEGIES

- Athletics
- Men's Basketball
- Women's Basketball or Volleyball
- CTE/Vocational
- Welding

- Logistics and Transportation (truck driving)
- Lineman's school (So Cal Edison)
- STEM technician level programs
- HVAC
- Alternative Energy University/Transfer
- Desert Studies (Environmental Science certificate)
- Career Pathway/MUSD JTNP
- Friday/Saturday accelerated ADT

5) TECHNOLOGY:

Technology has become a major component of our ability to attract students, enroll students, deliver high quality instruction to students, and to communicate both internally and externally. Maintaining an efficient and reliable technology infrastructure that supports our mission is vital to the success of the college. We currently do not have the financial resources available to support much needed technology upgrades.

GOAL

Create and maintain a sustainable process that ensures our ability to provide adequate services over time. This includes budgeting for the cost of life of the equipment and software and providing funding to replace aging equipment on a rotational basis.

PRIORITIES

- Permanent budget to address the upgrading of technology (3 x initial cost over 7 years)
- Upgrade classroom technology
- Website/Remote Delivery (video conferencing)
- Upgrades to hardware and software
- Deployment of open source materials

6) STAFF DEVELOPMENT:

Our staff is our most valuable resource. Given the pace at which the community college environment and student needs are changing, it is imperative that we invest in our employees.

GOALS & STRATEGIES

GOAL

To be determined during the 2016-17 academic year.

PRIORITIES

- Orientation for new employees
- Mentoring
- Cultural/Diversity/Enrichment
- Educational opportunities – Four Year University here
- Communication

7) FACILITIES:

Space to accommodate faculty and staff demands continues to be a challenge. Even a single office move can be challenging at times due to the space constraints we experience. Due to our current lower than capacity enrollment level, our planned facilities projects, primarily the vocational building, have been made a low priority at the Department of State Architects. We have a need for the additional programs that support students and their success.

GOAL

To create and maintain a sustainable and adequate square footage.

PRIORITIES

- Campus Safety
- Cameras
- Vocational Building
- Student Success Center relocation
- Cultural Center
- Monument Center
- Bell Center Utilization – Athletic Programs

SOURCES OF FUNDS

- Increased Enrollment of Students
- State and Federal Grants
- Energy Funds
- State and Local Bonds

GROWTH FORECAST, SPACE NEEDS AND PROJECTS

In 2016, Copper Mountain College Management met to begin compiling a Facilities Master Plan. Considering the current student population of 2,500 students and whereas population growth in San Bernardino County is expected to average (*Kevari to project growth) 1.1% annually from 2015 to 2020, according to the California Department of Transportation, academic space is adequate for the foreseeable future.

According to the Educational Master Plan, academic space capacity is not an issue currently, and five year growth prospects are modest. The District has found that non-credit courses and student success programs have been initiated and will require additional space. In addition, there are several infrastructure projects as well as campus improvements for safety, maintenance and efficiency that are desired.

These projects include (not listed by priority):

- Establish Bell Center facilities for Athletic programs
- Relocate Student Success Center and ESL Classrooms to Modular Units.
- Expand and renovate Building 500 (Maintenance and Operations Warehouse) to replace existing storage unit containers as well as provide for additional office space to accommodate relocation of administrative staff in one location.
- Provide insulation and air conditioning for Building 500 to prevent deterioration of supplies and to meet safety regulations for hazardous materials.
- Provide shade structures and outdoor communal spaces in Quads 100, 200, 300 to enhance campus wide engagement among students, faculty, and staff.
- Investigate the potential to provide additional space for a Cultural Arts Center.

GOALS & STRATEGIES

- Investigate the potential to provide additional space for a Cultural Arts Center.
- Coordinate with the County of San Bernardino to provide curbs and sidewalks along Rotary Way.
- Recommend adding tortoise fencing so areas may be available for future use. Tortoise fencing repair may be included in this area as well.
- Add climbing wall in the Bell Fitness Center.
- Perform a complete renovation of campus dining facility.
- Expand photovoltaic canopies
- Expand vocational and adult education facilities on and off campus
- Technology improvements, related to Building Management System to include additional Security cameras, door auto-locks and panic buttons
- Science Lab chemical storage room enlargement
- Science Lab Fume Hood venting repair and reconstruction

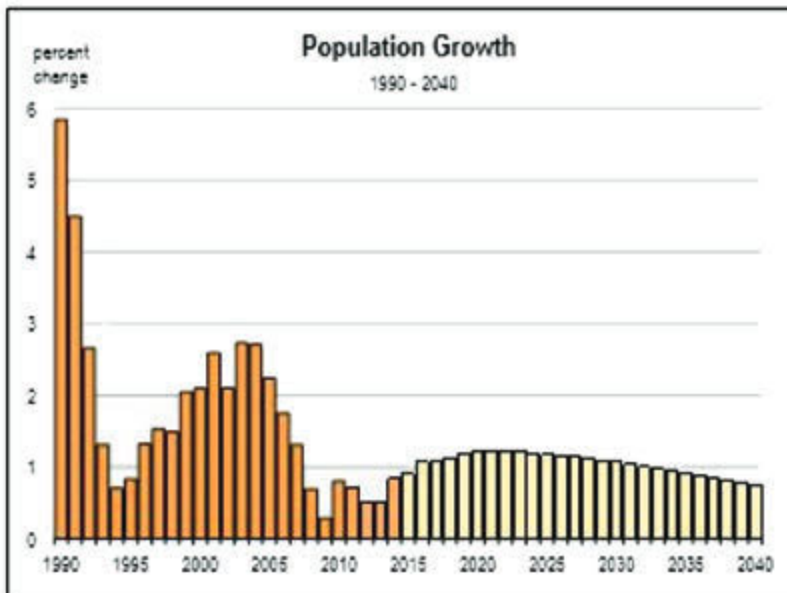
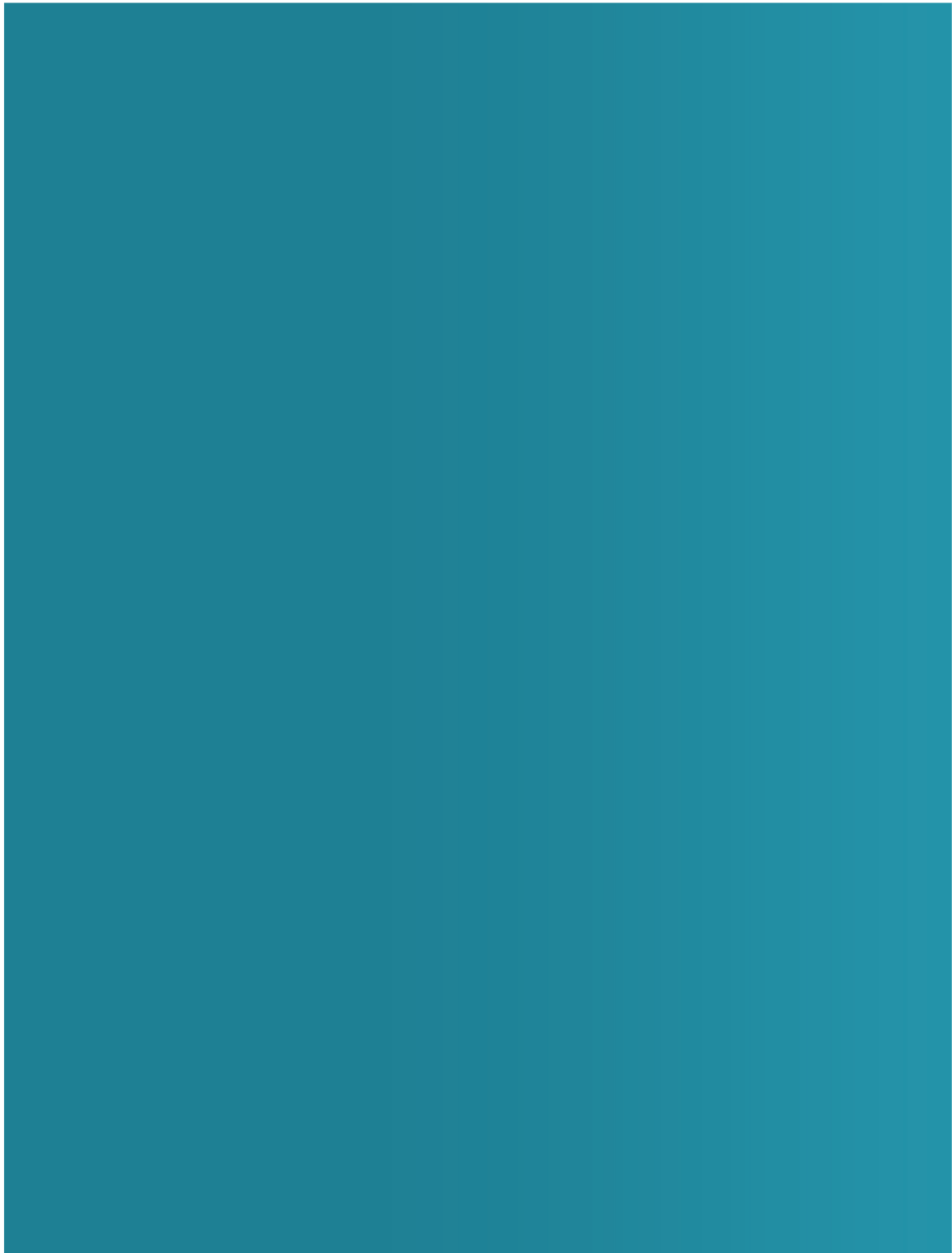
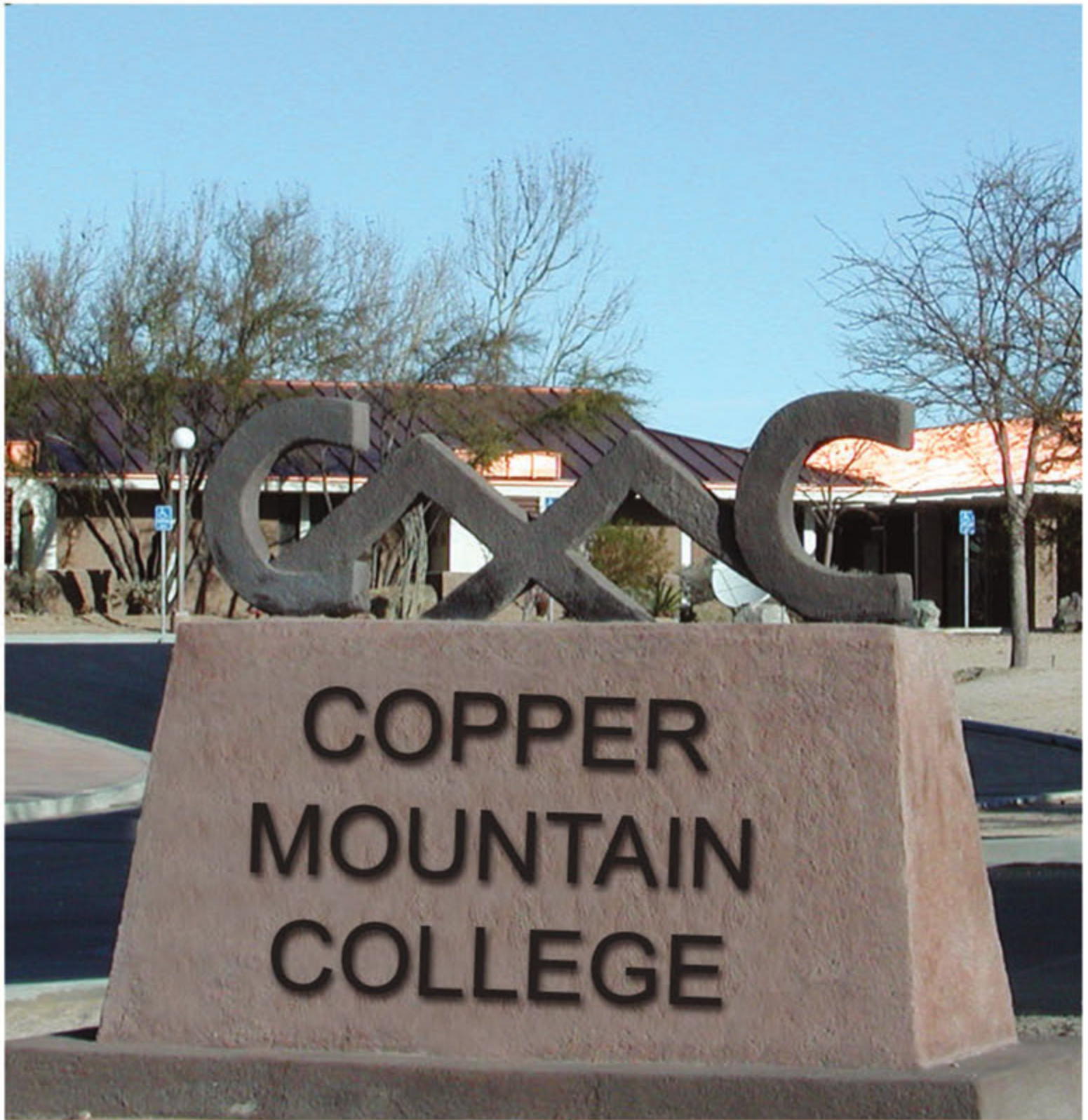


Exhibit 2.1: California Department of Transportation 2014







CHAPTER THREE

FACILITIES MASTER PLAN

3

EXISTING CONDITIONS

FACILITY ASSESSMENTS

An assessment and documentation of existing buildings and facilities was completed in June of 2016. The facility assessment process included research of State records, site visit and walk-through with campus maintenance staff, physical evaluation of facilities and photographic recording of the buildings and facilities. For each building, the facilities assessment information includes building statistics, floor plans, systems descriptions and space analysis.



Exhibit 3.1: Surrounding Counties



Exhibit 3.2: Regional Context

COMMUNITY AND REGIONAL CONTEXT

In area, San Bernardino is the largest county in the United States, encompassing over 20,000 square miles. Surrounding counties include Inyo to the north, Kern and Los Angeles to the west, and Orange and Riverside to the south. The states of Nevada and Arizona border to the east.

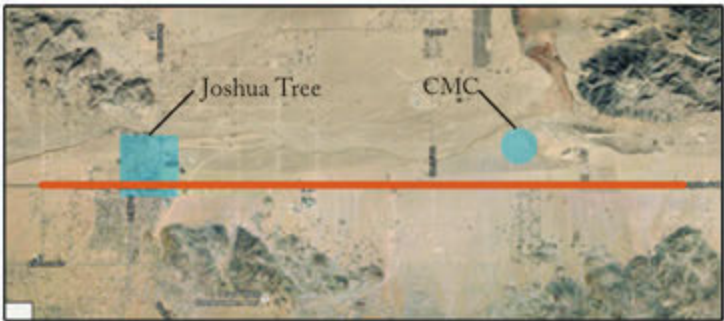


Exhibit 3.3: Highway 62



Exhibit 3.4: Areal Context

The existing Copper Mountain College Campus is approximately 150 acres, with access on Rotary Way from State Highway 62. The campus is surrounded by open desert, including an 85 acre protected tortoise preserve. A conservation easement was placed on the Translocation Area (tortoise preserve), and Copper Mountain College agreed to maintain this area as a tortoise preserve in perpetuity. This includes providing funds for monitoring tortoises in the preserve, maintaining preserve fences, removing litter and non-native plants from the preserve, prohibiting dogs and fire-arms from campus, and using native plants to landscape campus grounds. Further details are available in Appendix I.

TOPOGRAPHY

The campus has a natural slope generally from the north-west corner to the south property line. On campus the perception of slope or terrain change is noticeable from Quad 100 to Quad 300 however building pads and courtyards are flat with little impact on building construction. Accessibility is mitigated by ramps, stairs and gently sloping walkways (See Pedestrian Circulation Exhibit 3.11). The most significant impact of topography is to campus drainage as heavy rain events, together with slopes can result in areas of annual flooding. Sandy soils and settling in the Bell Fitness parking lots have been detrimental to function and durability of paved areas, and will require regular maintenance and corrective work.

BUILDINGS

The campus's permanent facilities are comprised of three quads and various stand-alone buildings. The quads are made up of permanent structures surrounding a central landscaped courtyard. The additional buildings are the Bell Center, the 400s, and the warehouse. The campus includes modular buildings and several storage containers. Buildings range in age from 1981 to 2015 with continual modernization, energy retrofits and remodeling. See Existing Facilities Assessment for a summary of building age and square footage.

The buildings are typically wood or steel frame with split face brick veneer, concrete block or stucco exterior. Roofs are standing seam metal roof and/or composite flat roofs. Exterior doors are typically hollow metal and windows are aluminum frame units. Interiors are typically painted drywall, t-bar ceilings, with VCT, sheet vinyl or carpet flooring.

Temperature controls are primarily Heating, Ventilation and Air Conditioning (HVAC) units. (With the exception of Building 500, Warehouse). Hot water is provided by commercial grade, natural gas heaters. The Bell Center is

equipped with three air handlers and eighteen variable air volume units with reheat coils. The electricity is provided by Southern California Edison (SCE) through a transformer located at Copper Mesa Road. Lighting consists of a combination of fluorescent and Light-Emitting Diode (LED) fixtures. Buildings are equipped with Fire Alarms and Sprinklers.



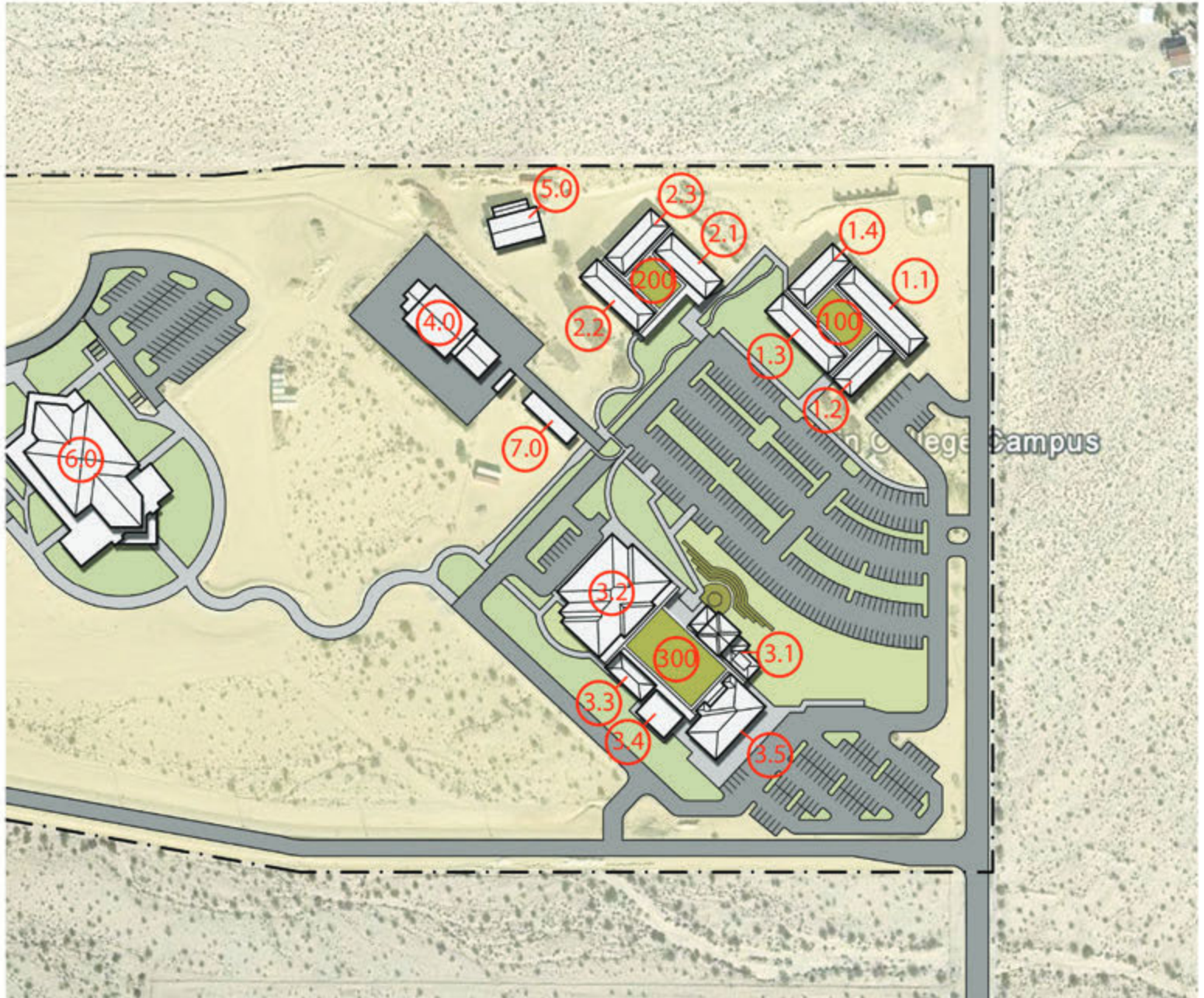
Exhibit 3.5: Quad 2 Courtyard



Exhibit 3.6: Bell Fitness Center



Exhibit 3.7: 2016 Illustrative Existing
Copper Mountain College 6162 Rotary Way, Joshua Tree, CA



EXISTING CAMPUS

NAME	BUILDING USE	S.F.	NAME	BUILDING USE	S.F.
100	QUAD 100	5,256	300	QUAD 300	6,337
1.1	CLASS ROOM NORTH WING	4,205	3.1	CAFETERIA	3,567
1.2	CLASSROOM EAST WING	2,645	3.2	LIBRARY	7,434
1.3	CLASSROOM SOUTH WING	3,692	3.3	BOOK STORE / FOUNDATION	4,493
1.4	CLASSROOM WEST WING	2,595	3.4	STUDENT ACTIVITY CENTER	1,947
200	QUAD 200	4,103	3.5	STUDENT SERVICES	6,792
2.1	APPLIED SCIENCE NORTH WING	2,691	4.0	VOCATIONAL / TECHNOLOGY	6,282
2.2	APPLIED SCIENCE SOUTH WING	2,742	5.0	MAINTENANCE & OPERATIONS	6,719
2.3	APPLIED SCIENCE WEST WING	2,696	6.0	BELL FITNESS CENTER	32,510
			7.0	MODULAR UNITS	849

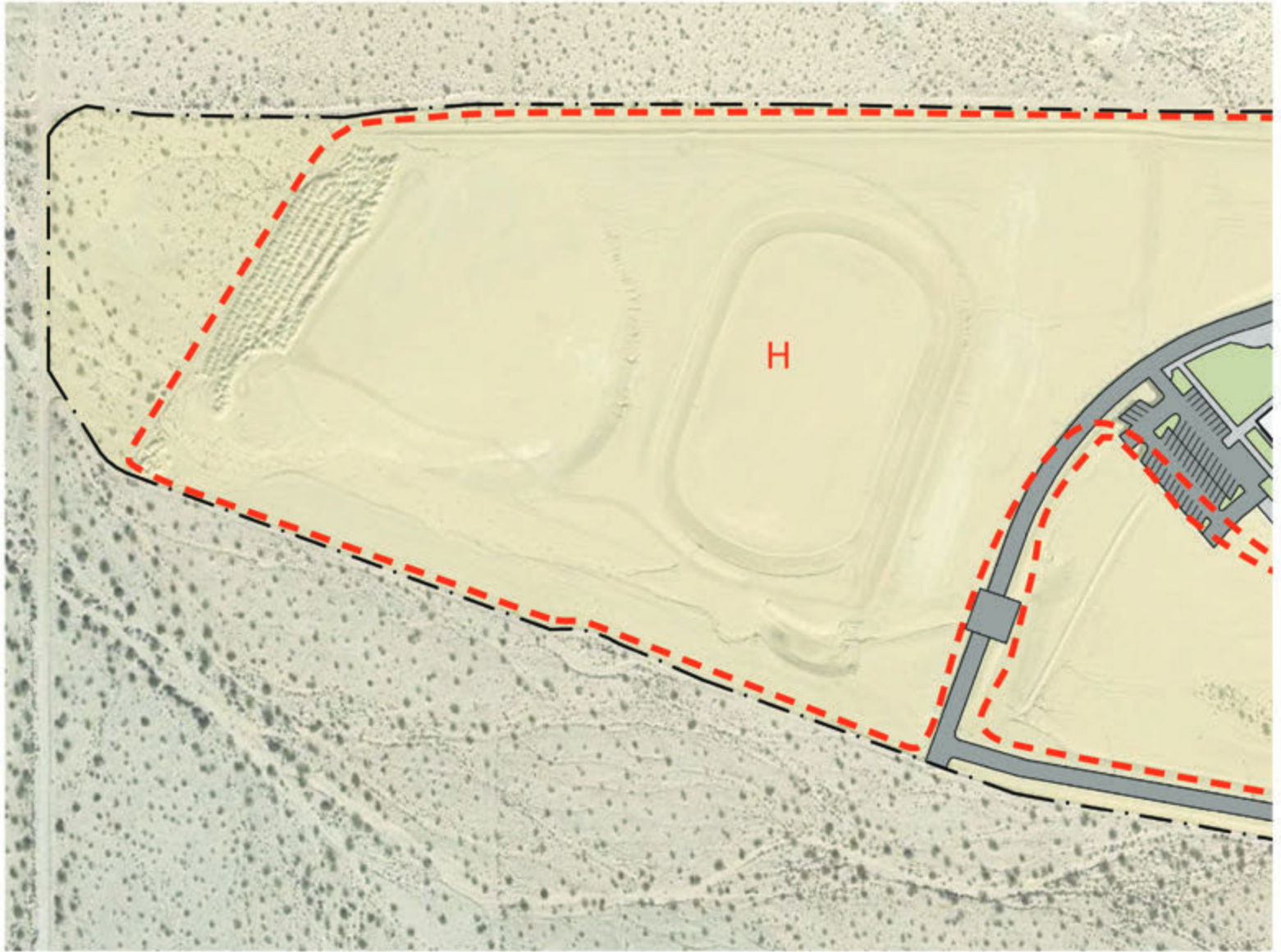
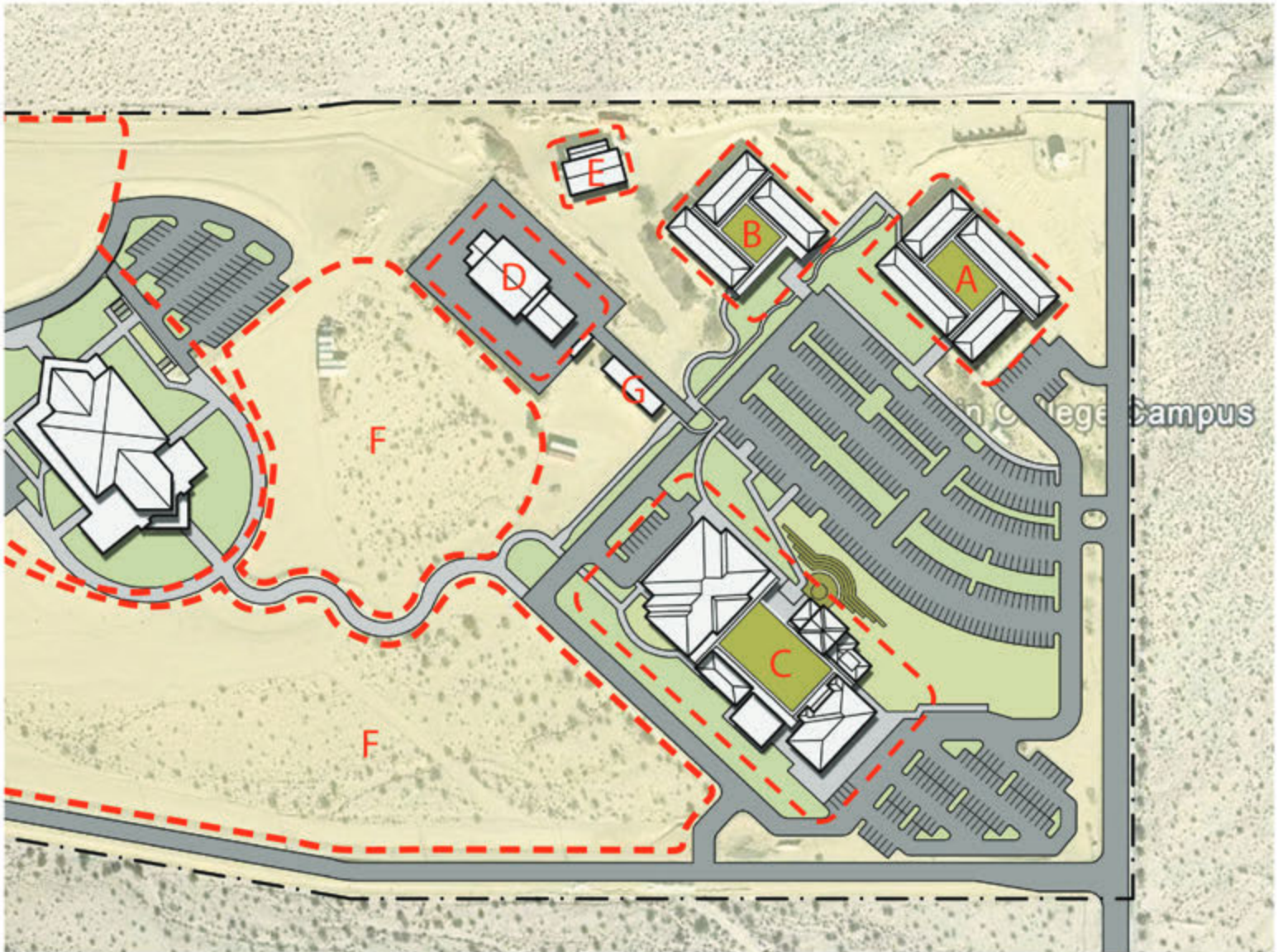


Exhibit 3.9: 2016 Illustrative Academic Organization
Copper Mountain College 6162 Rotary Way, Joshua Tree, CA

The original campus was developed in phases that included small grouping of buildings now referred to as Quads 100, 200 and 300. The courtyards are designed to promote outdoor gathering spaces, however additional landscaping, hardscaping and shaded seating areas would enhance engagement amongst students, faculty and staff.



ACADEMIC ORGANIZATION

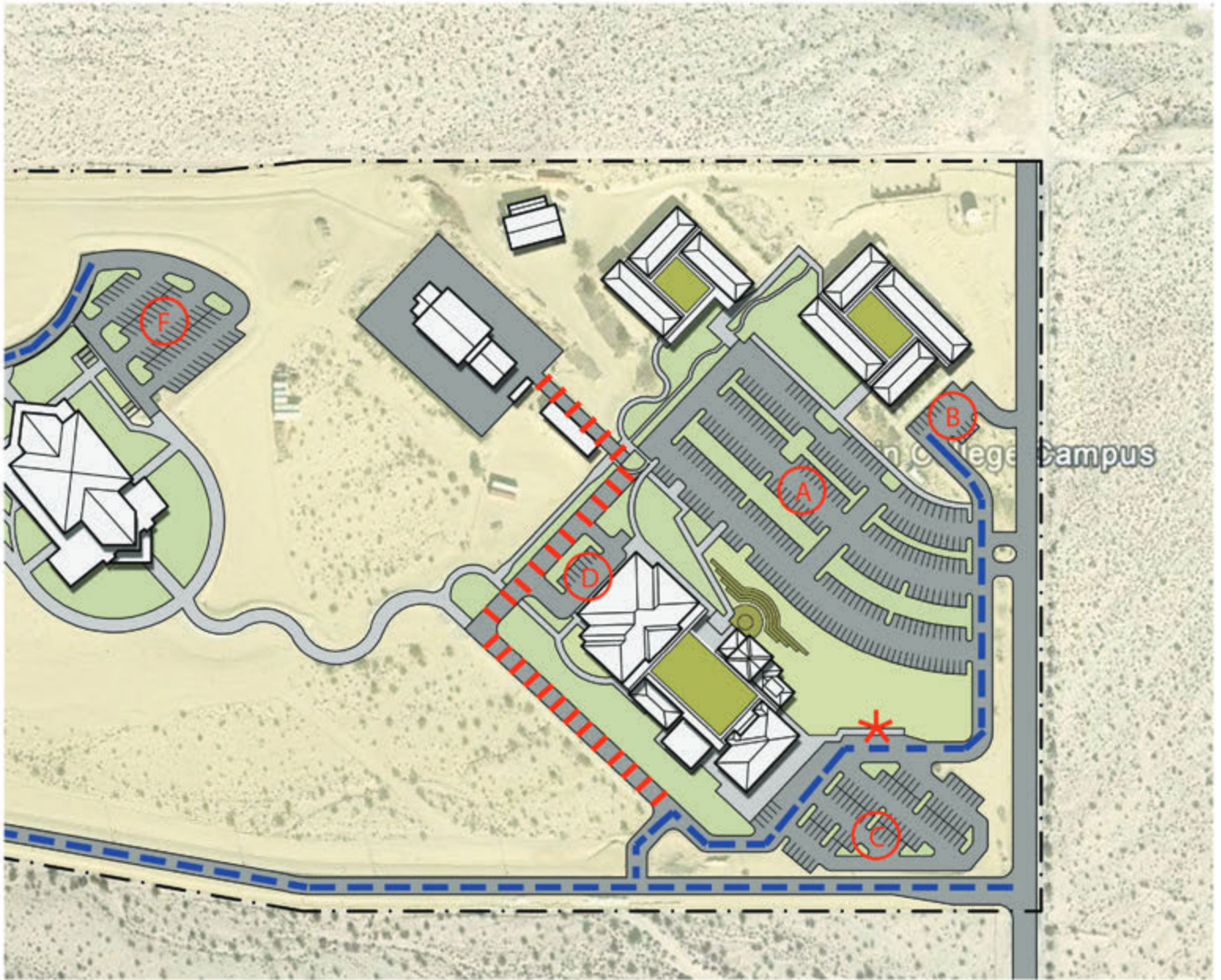
LEGEND NAME / USE

- A** CLASSROOM / OFFICES / QUAD 100
- B** APPLIED SCIENCE / OFFICES / QUAD 200
- C** STUDENT SERVICES / QUAD 300
- D** VOCATIONAL / TECH. / BLDG 400
- E** MAINTENANCE & OPERATIONS / BLDG. 500
- F** FUTURE DEVELOPMENT ZONE
- G** CLASSROOM / OFFICES / MODULARS
- H** ATHLETICS / FUTURE FIELDS / BELL FITNESS



Exhibit 3.10: 2016 Illustrative Vehicular Circulation
Copper Mountain College 6162 Rotary Way, Joshua Tree, CA

The campus provides 504 permanent parking spaces including 22 accessible parking spaces, in six surface lots. There are four entrance/exit drives along Rotary Way; the main entrance, Quad 100 entrance, access to Congressman Lewis Drive and access to service entrance at the north. In addition, there is a bus transit stop located near Quad 300. The existing campus parking ratios are approximately 5 students (based on headcount) per parking space or 6.5 spaces per 1,000 Assignable Square Footage (ASF). By integrating use of public transit systems these ratios are acceptable. Students are utilizing street parking along Rotary Way to avoid a nominal parking fee charged by the College. Rotary Way has no curbs or sidewalks for pedestrian traffic; however, it is presently the main campus entrance and the signal light on the corner of Rotary Way and Highway 62 has improved traffic incidents in this area. A photovoltaic canopy structure provides shade for approximately half of the cars in the main parking lot, and the infrastructure is in place for the expansion of additional shade structures.



VEHICULAR CIRCULATION

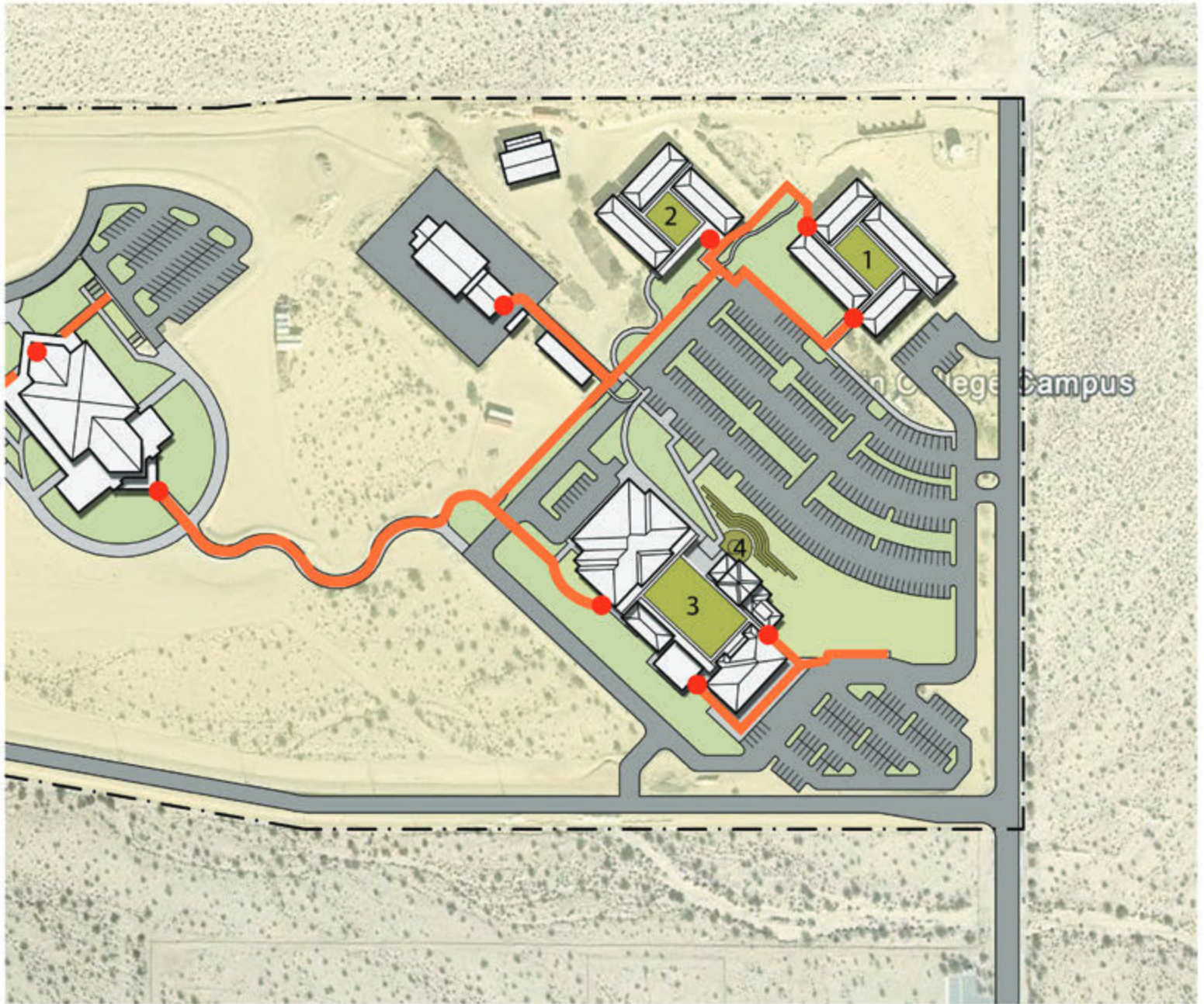
LEGEND	PARKING NAME	
A:	MAIN LOT	254
B:	QUAD 100 LOT	14
C:	QUAD 300 LOT	97
D:	LIBRARY STAFF LOT	7
E:	BELL FITNESS SOUTH	56
F:	BELL FITNESS NORTH	76
	TOTAL	504

- ||||| UNRESTRICTED ACCESS
- PRIMARY ACCESS
- * BUS STOP



Exhibit 3.11: 2016 Illustrative Pedestrian Circulation
Copper Mountain College 6162 Rotary Way, Joshua Tree, CA

The campus is designed for pedestrian circulation with a system of concrete pathways, steps, and handicap-accessible ramps connecting all buildings. The majority of classrooms and facilities open to outdoor courtyard areas with covered pathways. Parking lots are located near building entrances for ease of access.



PEDESTRIAN CIRCULATION

LEGEND

- DESTINATION
- PRIMARY PEDESTRIAN ZONE
- OUTDOOR GATHERING OPEN SPACE

FACILITIES MASTER PLAN

FIVE YEAR PLAN

The five-year development plan is designed to engage current students and improve institutional effectiveness. There are three categories that include Growth, Student Engagement, and Infrastructure projects.

GROWTH PROJECTS

INTERCOLLEGIATE ATHLETICS PROGRAM

Based on community questionnaires and forums, it was determined that there is a significant interest in intercollegiate athletics program at Copper Mountain College. The Bell Center is suited for this program with the exception of a lack of classrooms and team rooms. Currently the Student Success Center is occupying approximately 2,500 SF in the training rooms and will relocate to make room for the program is team rooms.



CLIMBING PROGRAM

There is a large climbing community in the region and the Bell Center is an ideal location for rock climbing training and education. An indoor rock wall is proposed on the west wall of the existing weight room.



STUDENT ENGAGEMENT

CULTURAL ARTS CENTER

The Joshua Tree Gateway Communities encompass a burgeoning cultural area. With an increase in the development of visual, performing, musical, historical, and literary arts. The Cultural Education Enhancement Committee (CEEC) is proposing, as part of the Educational Master Plan for Copper Mountain College, a specialized facility for use as a Cultural and Educational Center on or near the campus.

While the Cultural Center would be considered a somewhat general purpose center for cultural and educational events relating to the college curriculum, the primary purpose would be to support artistic endeavors. By building a facility such as a Cultural Center, the college recognizes the potential for improving campus climate and culture through the creative arts. It could link the college to the community and recognize a mutual cultural asset while taking the lead in educating the community about the arts.

LANDSCAPE ENHANCEMENTS

The Courtyards in each of the three Quads are a natural gathering place for students, and are designed to promote outdoor gathering spaces. However, additional landscaping, hardscaping, and shaded seating areas would enhance engagement amongst students, faculty and staff. In addition, pathways between buildings can be enhanced to provide shade and landscape amenities. Rotary Way is being used for student parking and discussions with the County of San Bernardino to make improvements to include curb, gutter, sidewalk, bicycle paths, and landscaping are ongoing.



STUDENT SUCCESS CENTER

The Student Success Center will be relocated to the newly constructed modular units that will provide additional square footage to accommodate growth and better functionality.

INFRASTRUCTURE

WAREHOUSE

Currently there are multiple large metal storage container units placed throughout the Campus. Materials contained within the units are susceptible to damage in the extreme desert climate. Conditions in the warehouse are similar and for these reasons, upgrades of additional square footage, insulation, and air conditioning are proposed. Upon completion of warehouse upgrades, options for re-purposing the metal storage containers will be explored.

PHOTOVOLTAIC CANOPY

A photovoltaic canopy structure provides shade for approximately half of the cars in the main parking lot, and the infrastructure is in place for the expansion of additional shade structures.



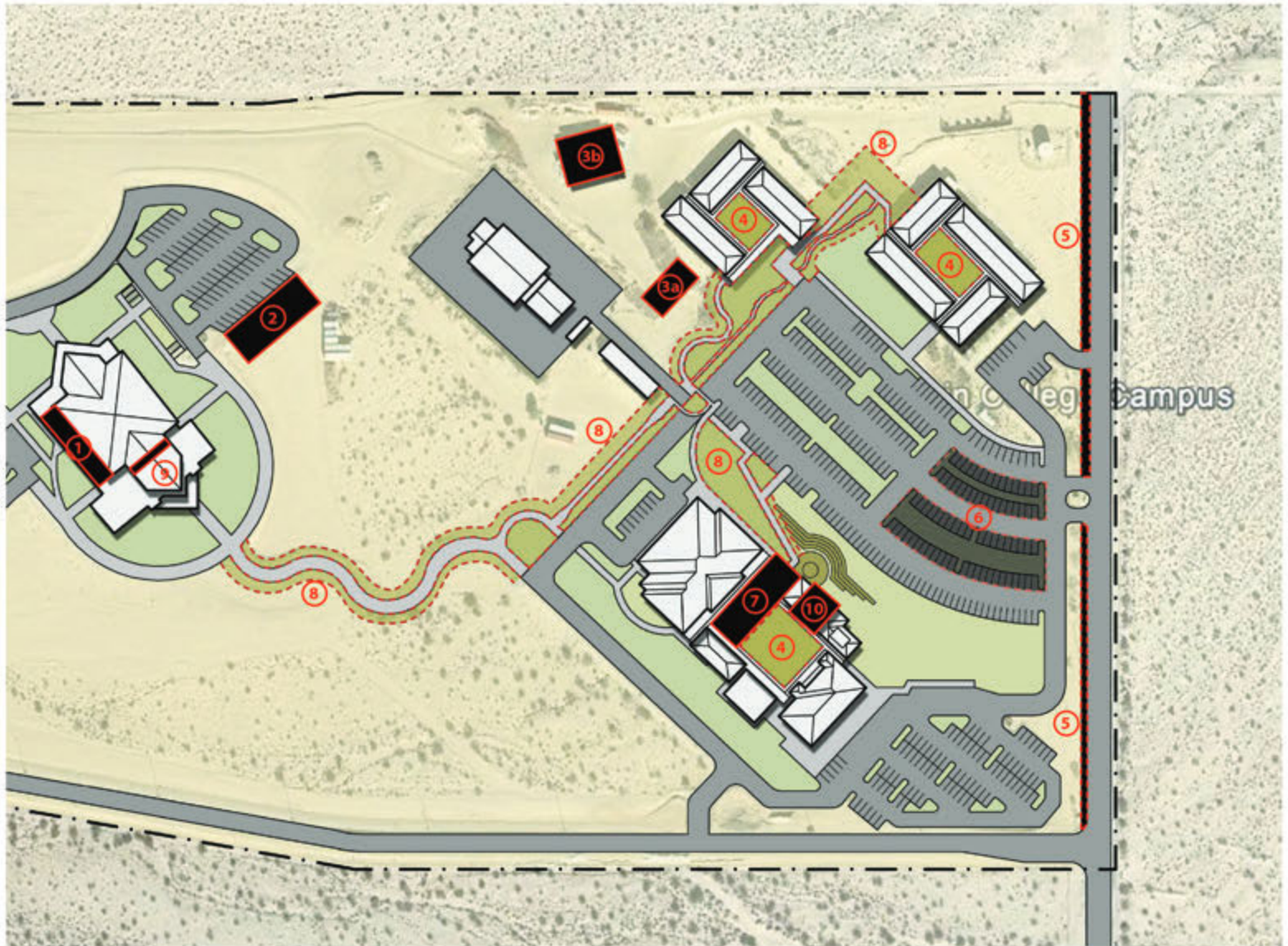
TECHNOLOGY/SECURITY UPGRADES

The college is currently on a seven year replacement schedule for technology hardware and several systems need upgrading. Finding a way to fund Technology needs on a more consistent and accelerated basis is a high priority that will be addressed in a Technology Master Plan that address hardware and software as well as smart boards and building management system.

Copper Mountain College is an open campus and security is managed by part time Security Guards and security cameras. There is no need to secure the perimeter of the campus however additional security cameras will be installed. Electronic door lock hardware and panic buttons will be researched as well.



Exhibit 3.12: 2016 Illustrative Five Year Development
Copper Mountain College 6162 Rotary Way, Joshua Tree, CA



FIVE YEAR DEVELOPMENT PLAN

LEGEND:

1. RENOVATE BELL FITNESS FOR TEAM ROOMS
2. NEW STUDENT SUCCESS MODULAR UNITS
3. A- NEW WAREHOUSE
B- INSULATION & AIR CONDITIONING
4. RENOVATE COURTYARDS
5. CURB + SIDEWALK IMPROVEMENTS
6. PHOTO-VOLTAIC CELL CANOPY STRUCTURE
7. CULTURAL ARTS ADDITION TO LIBRARY
8. ENHANCED LANDSCAPE ALONG STUDENT PATHWAYS
9. ROCK WALL
10. COSMETIC UPGRADE CAFETERIA



Exhibit 3.13: 2016 Illustrative Future Development
Copper Mountain College 6162 Rotary Way, Joshua Tree, CA



FUTURE DEVELOPMENT

LEGEND:

-  EXISTING BUILDINGS
-  PROPOSED BUILDINGS
-  PROPOSED PARKING LOT
-  PROPOSED PATH OF TRAVEL
-  PROPOSED BASKETBALL COURTS
-  PROPOSED BASEBALL FIELDS
-  PROPOSED TRACK & FIELD
-  PROPOSED TENNIS COURTS





CHAPTER FOUR ■■■■

APPENDIX I

4

APPENDIX I

Expansion of the existing college campus and subsequent translocation of tortoises from the designated impact area were authorized by Section 2081 Incidental Take Permit Number 2081-2005-028-06 issued by the California Department of Fish and Wildlife (CDFW) in 2006 and by Section 10(a)(1)(B) Incidental Take Permit TE143444-0 issued by the U.S. Fish and Wildlife Service (USFWS) in 2007. Documents issued by both the USFWS and CDFW (see below) require that this conservation area be regularly monitored to determine the current status of desert tortoises. Pertinent portions of these documents are reiterated below. A conservation easement was placed on the Translocation Area (tortoise preserve), and Copper Mountain College agreed to maintain this area as a tortoise preserve in perpetuity. This includes providing funds for monitoring tortoises in the preserve, maintaining preserve fences, removing litter and non-native plants from the preserve, prohibiting dogs and firearms from campus, and using native plants to landscape campus grounds.

The following **Federal** requirements were outlined in Section 3.2.2.d. of the Environmental Assessment for the expansion project (U.S. Fish and Wildlife Service 2006):

The District would monitor desert tortoises within the Translocation Area for the permit duration to ensure that the translocation is successful. The District would take the following actions to monitor desert tortoises and the Translocation Area:

1. Permanently mark all desert tortoises within the Translocation Area following the methodology described in “Guidelines for Handling Desert Tortoises During Construction Projects” (Desert Tortoise Council 1999) or the most recent version;
2. Perform annual surveys in early spring to identify the total number of desert tortoises present;
3. Weigh, measure, and perform a visual health assessment of desert tortoises to detect evidence of disease on an annual basis; [and]
4. Perform annual surveys for the presence of hatchling desert tortoises that show signs of raven-predation.

Section 3.6.2. of the associated Habitat Conservation Plan (Circle Mountain Biological Consultants 2006) stipulates:

A Service-authorized biologist would work with a District representative for the first three years to establish and modify the monitoring program as necessary. In the fourth year and beyond, the District representative would carry on the responsibilities for at least the next 12 years.

Section 3.6.3. of the Habitat Conservation Plan (Circle Mountain Biological Consultants 2006) indicates:

The District would maintain records of all monitoring activities described in Section 3.6.2 and make them available to the Service upon request. In addition, they would submit a monitoring report for all of these activities to the Service no later than January 31 of each year following issuance of the permit for the duration of the permit.

Section 3.2. of the Habitat Conservation Plan (Circle Mountain Biological Consultants 2006) indicates that the District would:

Implement all monitoring and adaptive management strategies in this HCP to ensure that no desert tortoises infected with URTD contact uninfected individuals. If the District does not meet these objectives, they would implement adaptive management strategies. If the adaptive management strategies, detailed in Section 3.7 of this HCP, fail to remedy the problem, the District would contact the Service to determine the most appropriate course of action.

Section 3.7.2 of the Habitat Conservation Plan (Circle Mountain Biological Consultants 2006) stipulates:

Adaptive management of the Translocation Area: Once the District has completed initial enhancement of the Translocation Area (Section 3.4.6), it would monitor the site and implement the following adaptive management measures, when necessary, to ensure continued achievement of the HCP's biological objectives: quarantine any desert tortoises within the Translocation Area showing signs of URTD, and contact the Service to determine the most appropriate and recent protocols to implement for the care and handling of desert tortoises that have URTD (Objective 4).

Finally, Section 9.1 of the Implementation Agreement associated with the HCP (U.S. Fish and Wildlife Service 2006):

Permittee-initiated adaptive management. The District and the Park will implement the adaptive management provisions in Section 3.7 of the HCP, when changes in management practices are necessary to achieve the HCP's biological objectives, or to respond to monitoring results or new scientific information. The District and the Park will make such changes without awaiting notice from the Service, and will report to the Service on any actions taken pursuant to this section.

The following State requirements were outlined in the incidental take permit issued to the District in 2006 (California Department of Fish and Wildlife 2006) (herein, "MM#" refers to the specific mitigation measure identified in the permit):

MM17, Condition 4.3.12. All tortoises removed from the construction area and translocated into the Translocation Area will be marked and monitored for a period of at least 5 years. A monitoring plan shall be prepared and submitted to the Department for approval prior to translocation of any tortoise into the Translocation Area.

MM22, Condition 4.3.11. Following the establishment of the Translocation Area, the District will develop a monitoring program for tortoises resident in the Translocation Area. An Authorized Biologist will work with the District to establish an appropriate monitoring program. The monitoring program shall be submitted to the Department for approval no later than 36 months after the effective date of this Permit. In the fourth year and beyond, appropriate college staff would carry on the responsibilities until the expiration date of this Permit. Permittee shall ensure that the following actions are taken:

- Both resident and translocated tortoises within the Translocation Area shall be permanently marked following the methodology described in "Guidelines for Handling Desert Tortoises During Construction Projects" (Desert Tortoise Council 1999).

APPENDIX I

- There shall be annual surveys of the area to identify the total number of tortoises present, to be carried out at roughly the same time each year (i.e., early spring).
- As part of this survey, each animal shall be weighed and measured, and a visual assessment of the health of the animal carried out to detect evidence of disease.
- The District shall maintain records of all activities, and make them available to the Department and Service upon request.
- A monitoring report shall be submitted to the Department no later than January 31st of each year.

References:

California Department of Fish and Game. 2006. Copper Mountain Community College Expansion Site, Copper Mountain Community College District, Permit Number 2081-2005-028-06. Desert tortoise incidental take permit issued by CDFG, Sacramento, CA.

Circle Mountain Biological Consultants. 2006. Habitat Conservation Plan for the authorized incidental take of the desert tortoise (*Gopherus agassizii*) from the proposed Copper Mountain Community College Expansion Site consisting of 157 acres in the community of Joshua Tree, San Bernardino County, California. Unpublished report submitted to USFWS and CDFW, Wrightwood, CA.

Circle Mountain Biological Consultants, Inc. 2008. Results of the Translocation Area survey of 9 September 2008. Unpublished report submitted to USFWS and CDFW, Wrightwood, CA.

Circle Mountain Biological Consultants, Inc. 2009a. (Herein, "Tortoise Profiles 2008") Copper Mountain College tortoise observations during 2008 campus expansion activities. Unpublished report submitted to USFWS and CDFW, Job #08-017. Wrightwood, CA.

Circle Mountain Biological Consultants, Inc. 2009b. Summary of tortoise sign found throughout the year in the Morongo Basin on 235 focused tortoise surveys between 1989 and 2009. Unpublished report submitted to U.S. Fish and Wildlife Service. Wrightwood, CA

Circle Mountain Biological Consultants, Inc. 2009c. First annual 2009 census of tortoise occurrence in the Copper Mountain College Translocation Area, San Bernardino County, California (CDFG Permit #2081-2005-028-06; USFWS Permit #TE143444-0). Unpublished report submitted to USFWS and CDFW, Wrightwood, CA.

Circle Mountain Biological Consultants, Inc. 2010. Second annual, 2010 census of tortoise occurrence in the Copper Mountain College Translocation Area, San Bernardino County, California (CDFG Permit #2081-2005-028-06; USFWS Permit #TE143444-0). Unpublished report submitted to USFWS and CDFW, Wrightwood, CA.

Delaney P.M. 2018. Ninth annual 20167report of monitoring activities in the Copper Mountain College Translocation Area, San Bernardino County, California (CDFW Permit #2081-2005-028-06; USFWS Permit #TE143444-0). Unpublished report submitted to USFWS, CFWS and CMCCD.

Circle Mountain Biological Consultants, Inc. 2009a. (Herein, “Tortoise Profiles 2008”) Copper Mountain College tortoise observations during 2008 campus expansion activities. Unpublished report submitted to USFWS and CDFW, Job #08-017. Wrightwood, CA.

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Circle Mountain Biological Consultants, Inc. 2009c. First annual 2009 census of tortoise occurrence in the Copper Mountain College Translocation Area, San Bernardino County, California (CDFG Permit #2081-2005-028-06; USFWS Permit #TE143444-0). Unpublished report submitted to USFWS and CDFW, Wrightwood, CA.

Circle Mountain Biological Consultants, Inc. 2010. Second annual, 2010 census of tortoise occurrence in the Copper Mountain College Translocation Area, San Bernardino County, California (CDFG Permit #2081-2005-028-06; USFWS Permit #TE143444-0). Unpublished report submitted to USFWS and CDFW, Wrightwood, CA.

Delaney P.M. 2018. Ninth annual 20167report of monitoring activities in the Copper Mountain College Translocation Area, San Bernardino County, California (CDFW Permit #2081-2005-028-06; USFWS Permit #TE143444-0). Unpublished report submitted to USFWS, CFWS and CMCCD.

Delaney P.M. 2017. Eighth annual 2016 report of monitoring activities in the Copper Mountain College Translocation Area, San Bernardino County, California (CDFW Permit #2081-2005-028-06; USFWS Permit #TE143444-0). Unpublished report submitted to USFWS, CFWS and CMCCD.

