MASTER PLAN INTRODUCTION

UNIVERSITY OF ARIZONA - SIERRA VISTA

COLLEGE OF APPLIED SCIENCE & TECHNOLOGY (CAST)

AYERS SAINT GROSS INTRODUCTION / MARCH 18, 2022

Agenda

Meeting Objectives

- Team
- Process
- Strategic Plan
- Campus Analysis
- Next Steps

- Introduction, Start Master Planning Process for CAST
- Introductions of Team, Work Group Structure
- Overview of Planning Process
- Review of CAST Strategic Plan
- Aligning Campus Resources to Objectives
- Review High Level Input on Physical Characteristics of CAST and Folklore
- Assess and Discuss Next Steps, Meeting Plans

TEAM



Who is in the room?









Gary Packard

CAST Dean and Senior Administrator for Sierra Vista Campus



Linda Denno

CAST Associate Dean Academics and Faculty Affairs



Nicol Rae

CAST Associate Dean Applied Research and Development



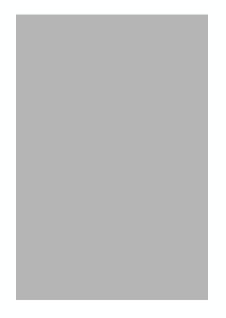
Eric Mapp

Department Head Applied Science



Paul Wagner

Department Head Applied Technology



Jason Denno

Director Cyber and Applied Research Center



Chuck Smith Business Director

Melody Dugie HR Director



Brian Bates



Brittany Gordon Assistant Director of Academic Advising



Romi Wittman

Program Director, CAST Organizational Leadership + Regional Commerce



Drew Lutz

Construction Project Manager III, Renovation Services



Michael Boardman

Board President USF

Danielle Hallahan

Project Management Assistant II



Tracy Prudhomme

Operations Manager, CIIO Dept.







Ariella Valencia

Administrative Assistant

Chris Kopach

Look up title

Meet the UA – Planning, Design & Construction Team



Peter Dourlein Associate Vice President, University Architect



Ed Galda Planning Manager



Mark Novak

University Landscape Architect

Meet the Ayers Saint Gross Team

Planning Consultant for the CAST Masterplan Project



Jack Black Principal-in-Charge & Engagement



Ray Byrd Campus Planner & Engagement



Ashwin Dharmadhikari

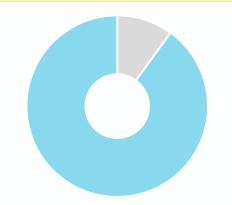
Campus Planner & Engagement

Inclusive, flexible, and creative engagement expertise.

Ayers Saint Gross

FIRM OVERVIEW

Focus



100% or our work

is for mission

driven clients

(90% higher education)

Philosophy

We engage people

and places to

create designs

that enrich our

world.

By the Numbers

1912

Founded

180 Professional Staff

250+

College and University Clients

250+ Design Awards

Higher Education Expertise

SELECT CLIENT LIST

University of Arizona Arizona State University Boise State University California State University, Channel Islands Carnegie Mellon University Case Western Reserve University College of Charleston University of Chicago University of Colorado, Colorado Springs Dallas Community College University of Delaware **DePauw University** Duke University Eckerd College Emory University George Mason University George Washington University University of Georgia Harvard Medical School Harvard University, Allston Campus Hawaii Pacific University Johns Hopkins University Kansas State University University of Kentucky Lafayette College Loyola University University of Maryland University of Massachusetts, Amherst University of New Hampshire

University of New Mexico, Rio Rancho University of North Carolina at Chapel Hill University of North Carolina at Charlotte University of North Florida University of North Texas University of North Texas Health Science Center University of Notre Dame Northern Arizona University Old Dominion University University of Rhode Island University of Richmond University of Rochester Rutgers, State University of New Jersey University of Scranton Smithsonian Institution University of Southern California SUNY Brockport Swarthmore College Tarrant County College University of Texas at Austin University of Texas at El Paso Texas A&M University Texas State University, San Marcos Towson University University of Virginia Virginia Commonwealth University Wake Forest University Washington University in St. Louis University of Wisconsin



An Interdisciplinary Approach

IN-HOUSE DISCIPLINES & RESOURCES

Planning



Architecture



Graphic Design



Sustainability



Landscape Architecture



Space Analytics



Interiors



Engagement



University of Arizona: History of Collaboration

AYERS SAINT GROSS

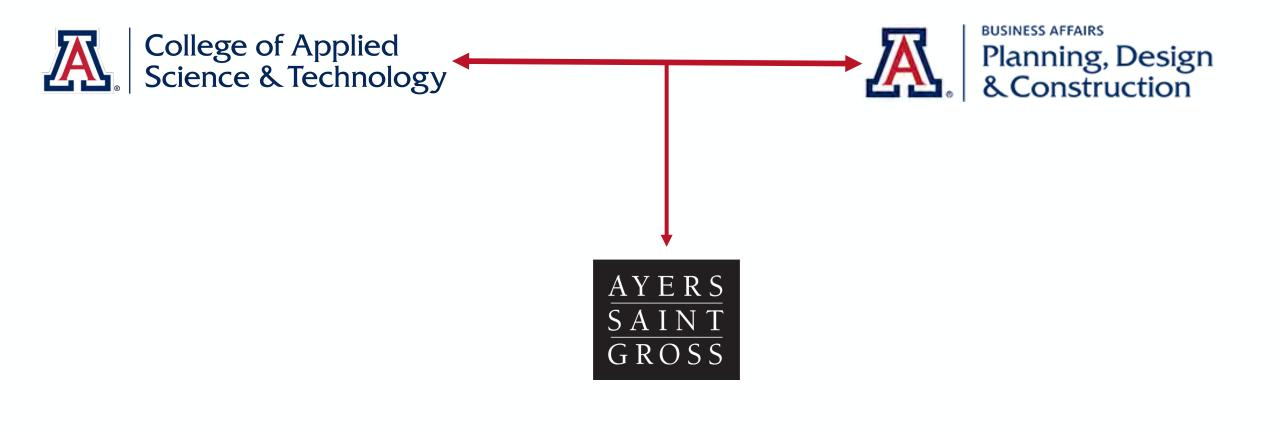




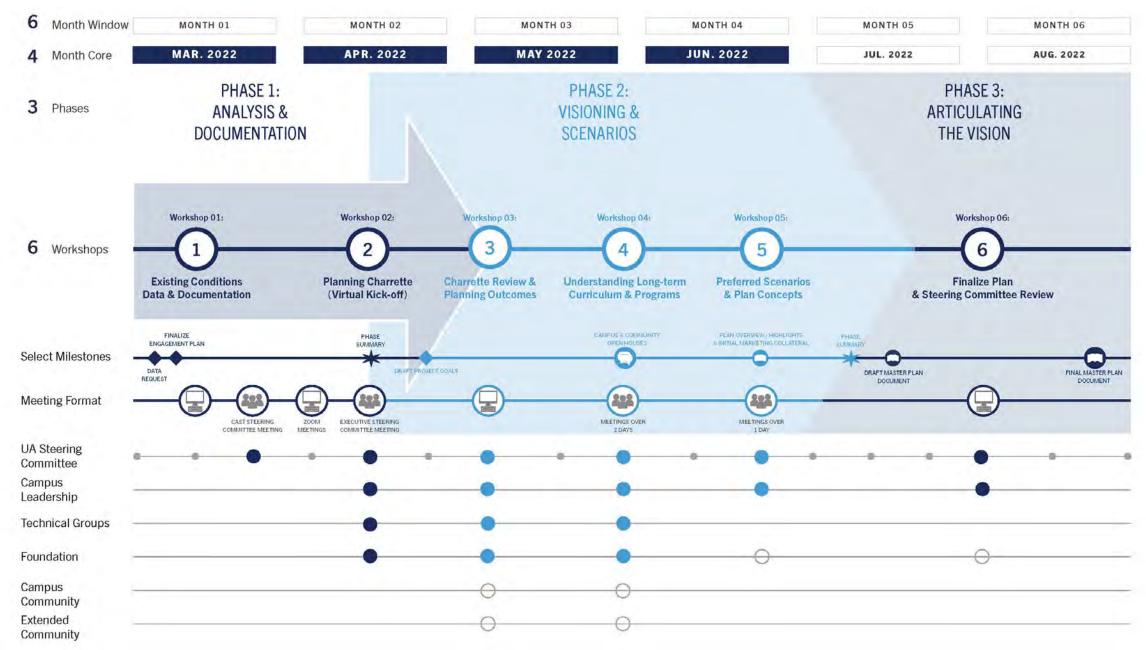




Process Protocols



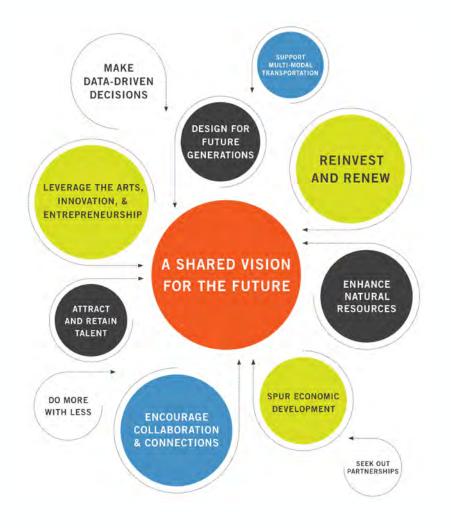
Proposed Process Schedule



What is a Master Plan?



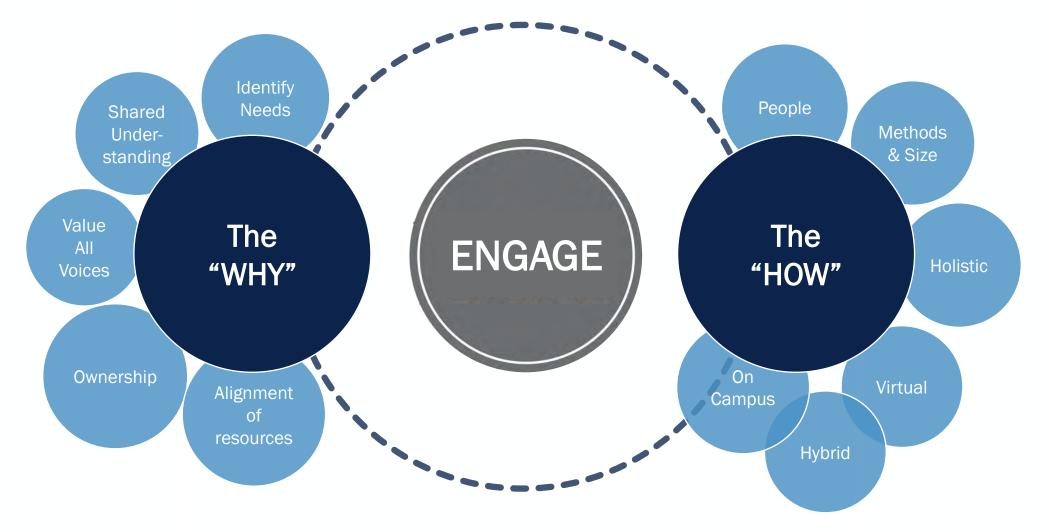
Why are Master Plans Important?



- Translates purpose, mission, and values into a built form
- Pairs visionary goals with practical implementation
- Acts as a roadmap for future development
- An ongoing/evolutionary process
- Crafts a shared vision that identifies the physical spaces to support the future of the campus/university
- Alignment of Academic and Research Initiatives with Physical Resources

Engagement: A Deliberate Process

ALIGNING COMMUNITY, VISION, & OUTCOMES



Engagement

BUILDING A FOUNDATION FOR SUCCESS









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



Virtual Engagement

















From Viviana Grieco to Everyone:

And, without successful faculty and staff, it would be quite impossible to support student success

From Troy Lillebo - UMKC to Everyone: Amen!

From Kimiko Gilmore to Everyone:

This may be a candidate for PIAC funding with KCMO

From Viviana Grieco to Everyone:

Pre-Covid, there were so many car accidents on Rockhill Road. It's scary

From Troy Lillebo - UMKC to Everyone: Gorgeous

From Viviana Grieco to Everyone:

The same concept should be applied to Rockhill Road. Crossing over that road is a challenge

From Caroline Moriarty to Everyone:

Or taking advantage of Whole Foods' one hour parking if they only have one class

From Bill Haverly to Everyone:

Gateways need to be welcoming, not imposing.

From Troy Lillebo - UMKC to Everyone:

Agreed. not as big a fan of the wall. Something more permeable and welcoming

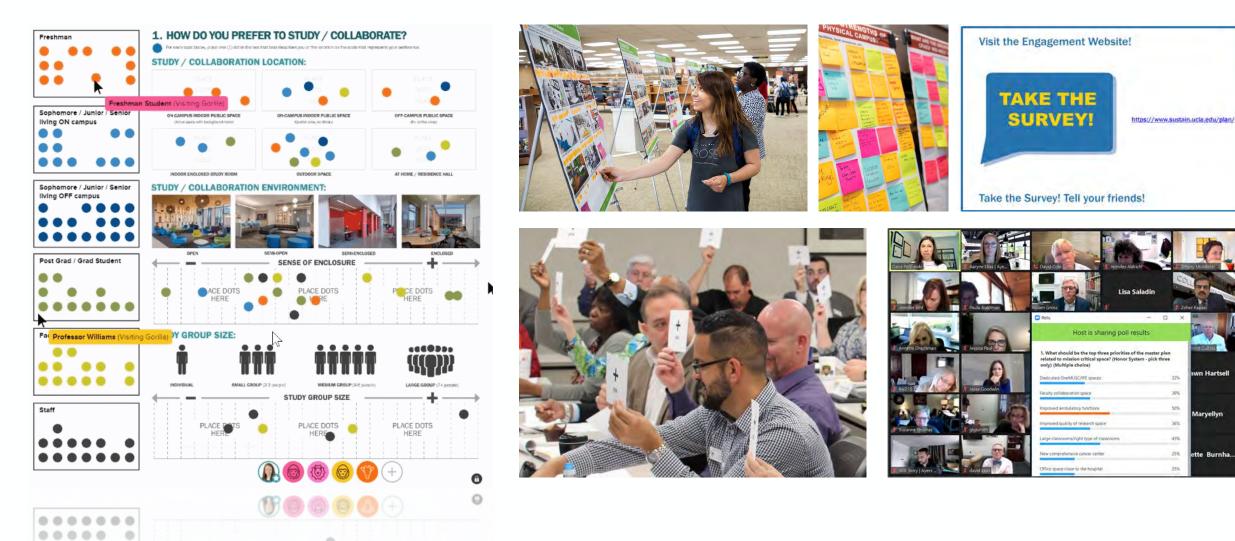
Question 2

From Viviana Grieco to Everyone:

No walls, please. They are too loaded these days

Engagement Sustains Implementation

MORE THAN JUST MEETINGS



Document and Communicate

CLEAR MESSAGING TO SHARE THE VISION – TAILORED TO YOUR NEEDS

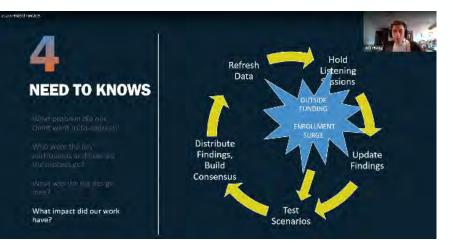








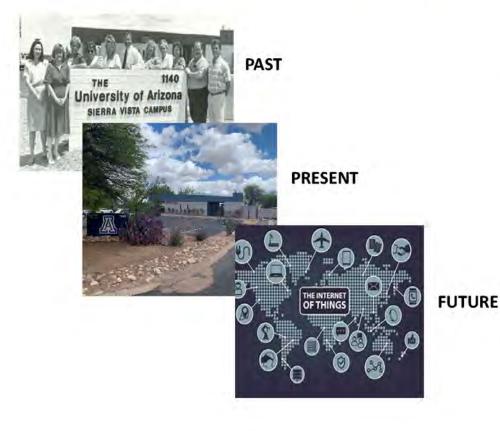




STRATEGIC PLAN

Dr. Packard's Vision for the Campus

CAST's Five Year Plan: 2021 - 2026



- Mission, Vision, & Values
- Our Flywheel
- Annual Review and Process
- Alignment to UArizona's Strategic Pillars

"...rooted in the best traditions of the past, taught in the context of the present, and continually reexamined in the light of the future needs."

- Lt Gen James E. Briggs, U.S. Air Force Academy's 2nd Superintendent.

Values, Vision, & Mission

VALUES

UArizona Values: Integrity, Compassion, Exploration, Adaptation, Inclusion, Determination

CAST Values: Respect for Human Dignity, Teamwork, Ethical Digital Citizenry, Applied Education For the Work Force, Applied Student-Powered Research, Community Impact

VISION

The Nation's leader in accessible, 21st Century applied science and technology education & research for post-traditional transfer students who will lead our future

MISSION

Work at the convergence of social science and technology to deliver rigorous, 4th Industrial Revolution applied education & research to our region and our world



THE UNIVERSITY OF ARIZONA College of Applied Science & Technology

Programs

University of Arizona College of Applied Science & Technology

Unique Programs:

- Government & Public Service
- Administration of Justice
- Bachelors of Applied Science:
 - Early Childhood Education
 - Human Services
 - Applied Computing
 - Intelligence & Information Operations
 - Cyber Operations
 - Org. Leadership & Regional Commerce
- Shared Programs:
 - Family Studies & Human Development
 - Psychology
 - Computer Science & Pre-Computer Science

- Undergraduate Certificates:
 - Cybersecurity
 - Cyber Operations
 - Digital Forensics (New 2022)
 - Cyber Defense (New 2022)
 - Security Computing (New 2022)
 - Information Warfare (New 2022)
 - Organizational Leadership (New 2022)

Projections shared with ASG:

Some program sunsetting / additions

Average Projected Annual Program

- **10-15%** [•]
 - Growth through 2024
 Org. Leadership & Regiona
 - Org. Leadership & Regional Commerce Projected annual growth through 2024

"Community Relevance with National Impact"

• What does this mean for CAST?



• Which programs are successfully delivered on campus today?

• Which programs need unique delivery or other resources?



• Can we develop enrollment profiles for each program?

• How do we support instruction & applied research on campus?

 How do we better support faculty and staff on campus? And online?



Academic & Programmatic Partners

University of Arizona College of Applied Science & Technology

Sierra Vista:

- Arizona Folklore Preserve (AFP)
- Fort Huachuca Education Center
- City of Sierra Vista

Regional & Online:

- Pima Community College East
- Douglas, Nogales, Yuma, Chandler
- Arizona Online
- Near You Network (Student Services)

Programmatic Links - Pathways / Relationships:

- UA Main Campus & UA Global Campus
- Cochise Community College
- Buena & other AZ High Schools
- Corporate Education Partners



 How can we work with these educational partners to achieve better success?

• How does CAST support these different programs?

• What resources are required for physical and online delivery?



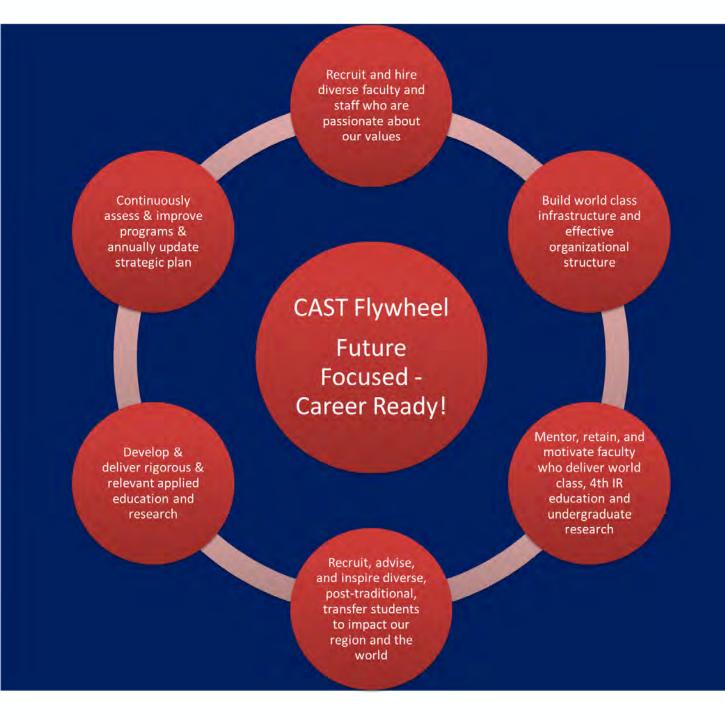
Achieving the Objectives in the Strategic Plan

One of the biggest, and most common, strategic mistakes lies in failing to aggressively and persistently make the most of victories.

Collins, Jim. *Turning the Flywheel* (Good to Great) (p. 6). Harper Business. Kindle Edition.

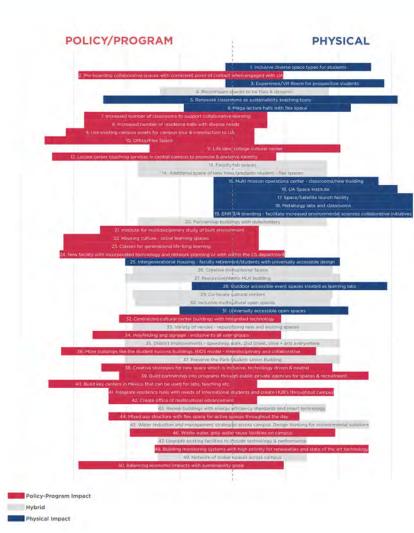
Desired End State

Develop intellectually fertile ground to infuse the workforce with future thinkers delivering cutting edge breakthroughs in technological, socio-cultural, and training domains.

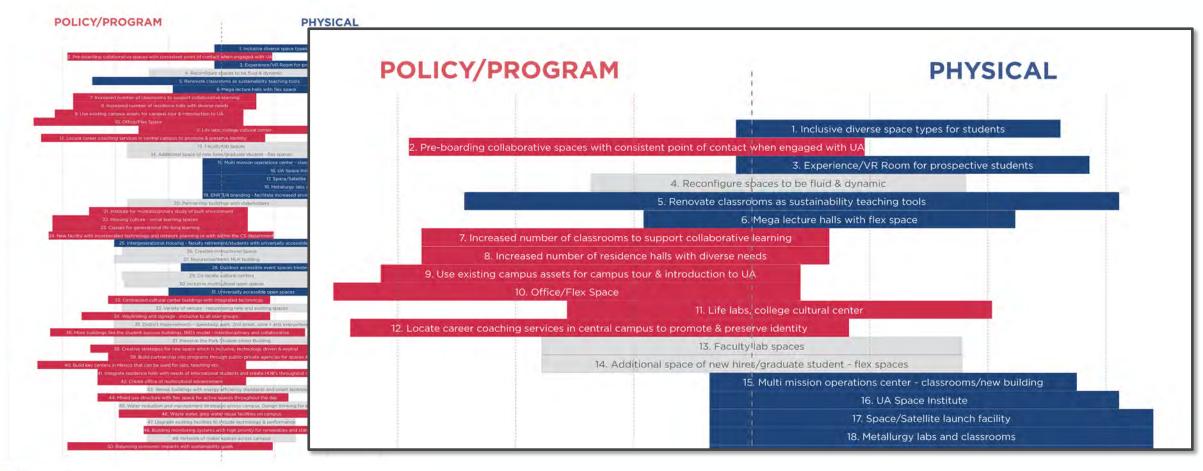


Translating Objectives to Direction

Exercise at UA Main Campus



Translating Objectives to Direction



Policy-Program Impact

Physical Impact

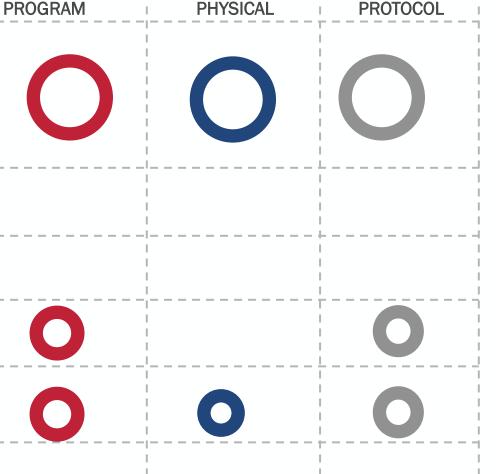
RECRUIT AND HIRE DIVERSE FACULTY AND STAFF WHO ARE PASSIONATE ABOUT OUR VALUES

Hire Faculty and Staff to keep up with growth and diversify

- Increase full time faculty by 50% over first two years, then grow at the pace of student growth in years 3 -5
- Hire staff & administrators to keep up with growth
- Increase Tenure Track Faculty to 25% -30% of permanent faculty lines
- Publish College Promotion, Evaluation, Mentoring, & Onboarding Policy
- Publish College hiring policy and fund hiring outreach to increase diversity and qualifications of applicants in hiring pools

Complete a position review to ensure equity and alignment to mission

Pursue at least two Strategic Priorities Faculty Initiative (SPFI) hires



BUILD WORLD CLASS INFRASTRUCTURE AND EFFECTIVE ORGANIZATIONAL STRUCTURE

Coordinate with the University CFO to establish a distinct accounting line to track legislative allocation to support activity at the Sierra Vista Branch Campus

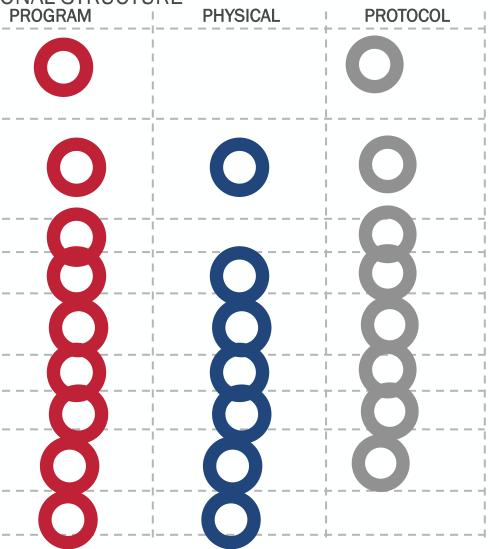
Publish Campus Master Plan in coordination with main campus, University South Foundation, Cochise CC, & the City of Sierra Vista

Review and initiate College org structure for the future

Move facilities management back to the SV Campus Renovate Groth Hall by summer of 2023 to align with 30thAnniversary

Complete construction of new applied research building Renovate Arizona Folklore Preserve to include Digital Humanities Refresh technology infrastructure to keep pace with CAST's innovative online teaching and Virtual Learning Environment

Reinvigorate community and regional partnerships



MENTOR, RETAIN AND MOTIVATE FACULTY WHO DELIVER WORLD CLASS, 4TH IR EDUCATION AND UNDERGRAD RESEARCH

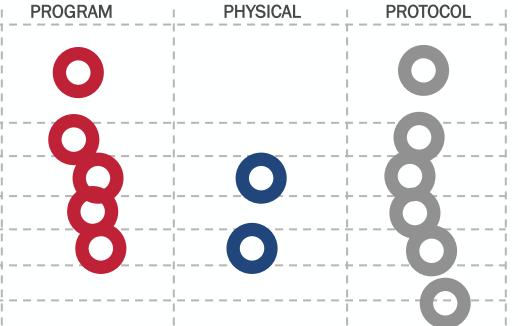
Elevate the work of the DEI Committee to continuously improve our inclusive culture benefiting a diverse faculty and student population

Complete and implement college mentoring program Prepare college on-boarding program for upcoming hiring surge

Update and fund faculty awards process

Pursue Endowment for CAST's first named professor

Hire Associate Dean for Applied Research & Development



RECRUIT, ADVISE AND INSPIRE DIVERSE, POST-TRADTITIONAL TRANSFER STUDENTS TO IMPACT OUR REGION AND THE WORLD PHYSICAL PROGRAM PROTOCOL Complete MOA with Vice Provost for ODCE Reach 5,000 students (certificates, minors, BAS, PSM) by the end of the five-year plan In-person advisor/recruitment specialist in Sierra Vista, Pima East, Chandler, and Yuma Building on the success of the BashaHigh School/Chandler-Gilbert CC/CAST pipeline in Cyber Ops, pursue similar partnerships in Cyber and other programs throughout AZ Further our partnerships with DoD Community Colleges and Education Grow partnerships with Federal & regional LE agencies Expand student awards and scholarships to increase accessibility Grow partnership with Global Direct & pursue educational partnerships with Mexico

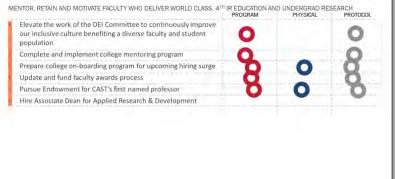
_	EVELOP & DELIVER RIGOROUS AND RELEVANT EDUCATION AND RESEARC ROGRAM REVIEW	H THEN ASSESS OU PROGRAM	R PROGRESS THRO PHYSICAL	UGH REGULAR PROTOCOL
•	Launch 6 –9 Professional Science Masters Degrees over 5 years	 	I	لے ۔ ۔ ۔ ۔ ۔ ۔ ۔ ۔ ۔ ۔ ۔ ۔ ۔ ۔ . ۱ ۱
	• Start with an educational technology focused degree in Fall of 2022		1	
	Built with stackable Masters Certificates	 		
•	Establish innovation guidelines and encourage sustainable creativity		 	
•	Establish & fund College professional development process		1	
•	Develop a student-centric (undergrad & grad) applied research portfolio designed to support best practices in education while impacting a 21stcentury world			
•	Solidify our national reputation as a leader in rigorous online & hybrid transfer education for the 21stCentury workforce			
				l I



RECRUIT AND HIRE DIVERSE FACULTY AND STAFF WHO ARE PASSIONATE ABOUT OUR VALUES PROTOCOL Hire Faculty and Staff to keep up with growth and diversify Increase full time faculty by 50% over first two years, then grow at the pace of student growth in years 3 -5 Hire staff & administrators to keep up with growth Increase Tenure Track Faculty to 25% -30% of permanent faculty lines. Publish College Promotion, Evaluation, Mentoring, & Onboarding Policy Publish College hiring policy and fund hiring outreach to increase diversity and qualifications of applicants in hiring pools Complete a position review to ensure equity and alignment to O О mission Pursue at least two Strategic Priorities Faculty Initiative (SPFI) 0 0 Ο hires



Achieving the Objectives



CRUIT, ADVISE AND INSPIRE DIVERSE, POST-TRADITIONAL TRANSFER STI	UDENTS TO IMPACT	OUR REGION AND PHYSICAL	THE WORL
Complete MOA with Vice Provost for ODCE	FUNDIN	TURBILAL	Photoc
Reach 5,000 students (certificates, minors, BAS, PSM) by the end of the five-year plan			
In person advisor/recruitment specialist in Sierra Vista, Pima East, Chandler, and Yuma			
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Further our partnerships with DoD Community Colleges and Education			
Grow partnerships with Federal & regional LE agencies			-
Expand student awards and scholarships to increase accessibility			
Grow partnership with Global Direct & pursue educational partnerships with Mexico			

Lau	W REVEW. nch 6 –9 Professional Science Masters Degrees over 5 years Start with an educational technology focused degree in Fall of 2022. Built with stackable Masters Certificates	PROGRAM	PHYSICA	L PROTOCOL
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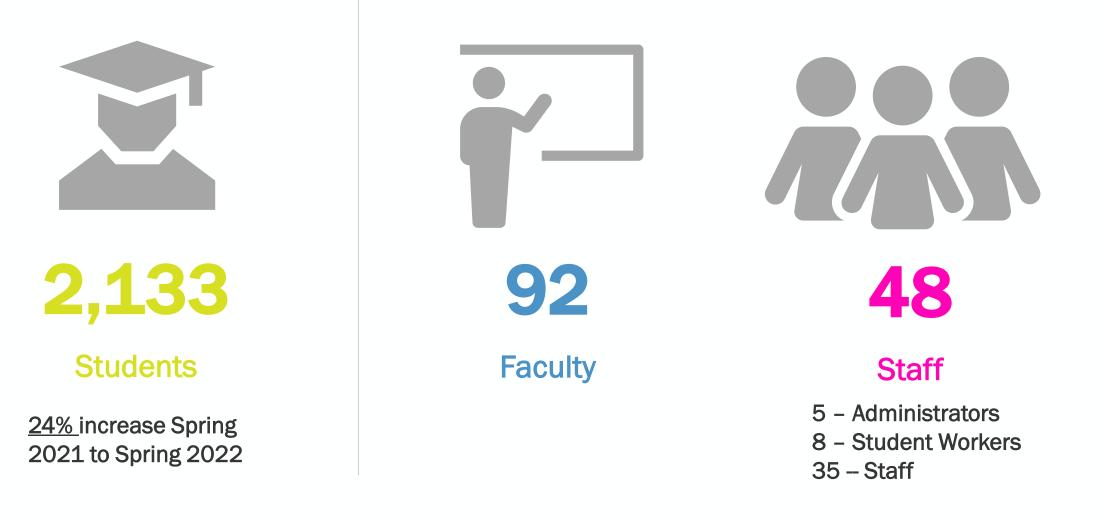
• How do we align these physical needs into the existing or future facilities?



CAMPUS ANALYSIS

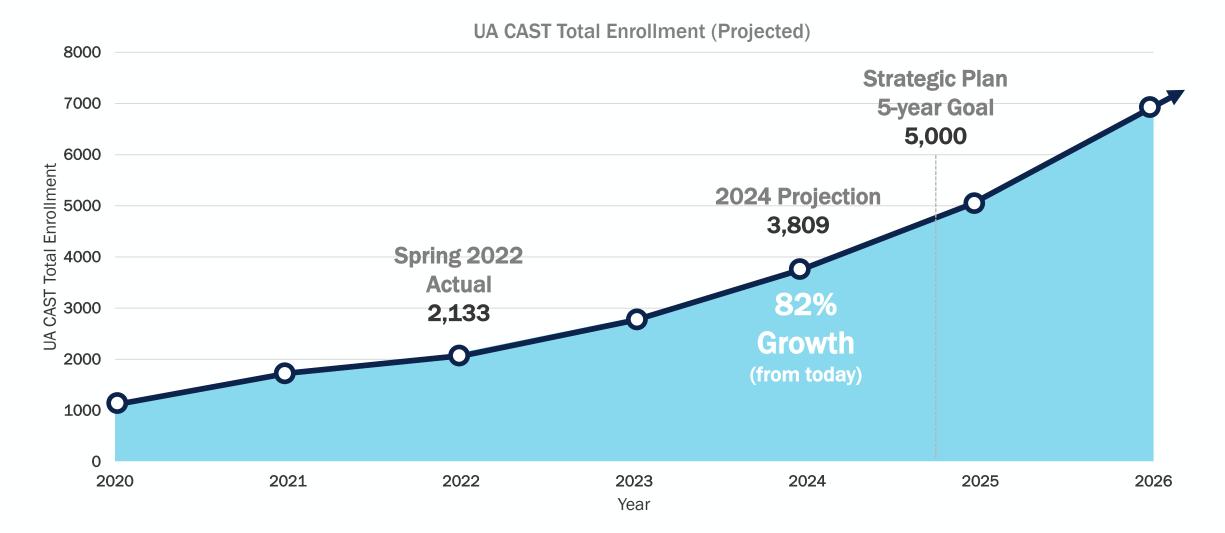
CAST Community (Spring 2022)

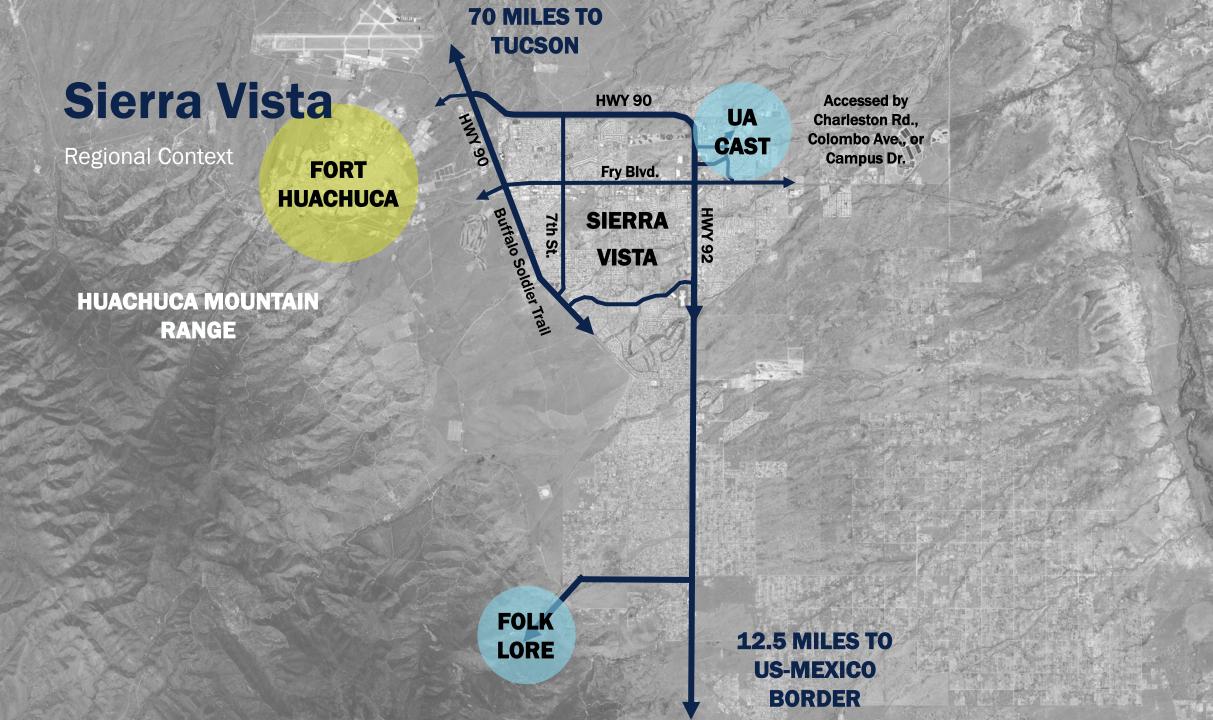
University of Arizona College of Applied Science & Technology



Forecasted Growth

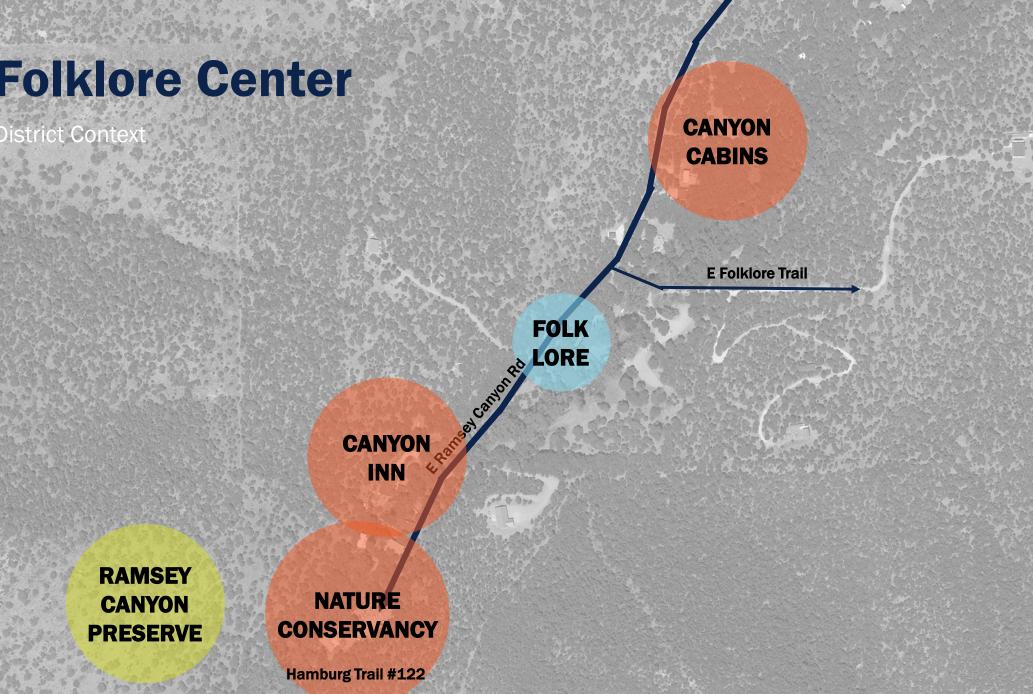
University of Arizona College of Applied Science & Technology





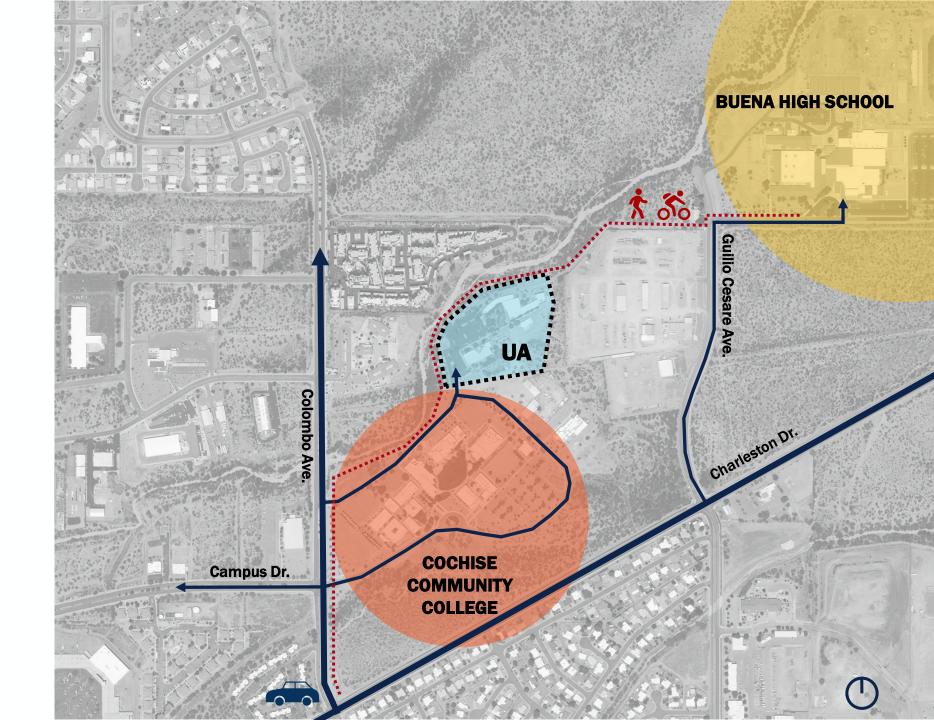
Folklore Center

District Context



Local Context

- Access
- Wayfinding
- Community
- Identity
- Branding

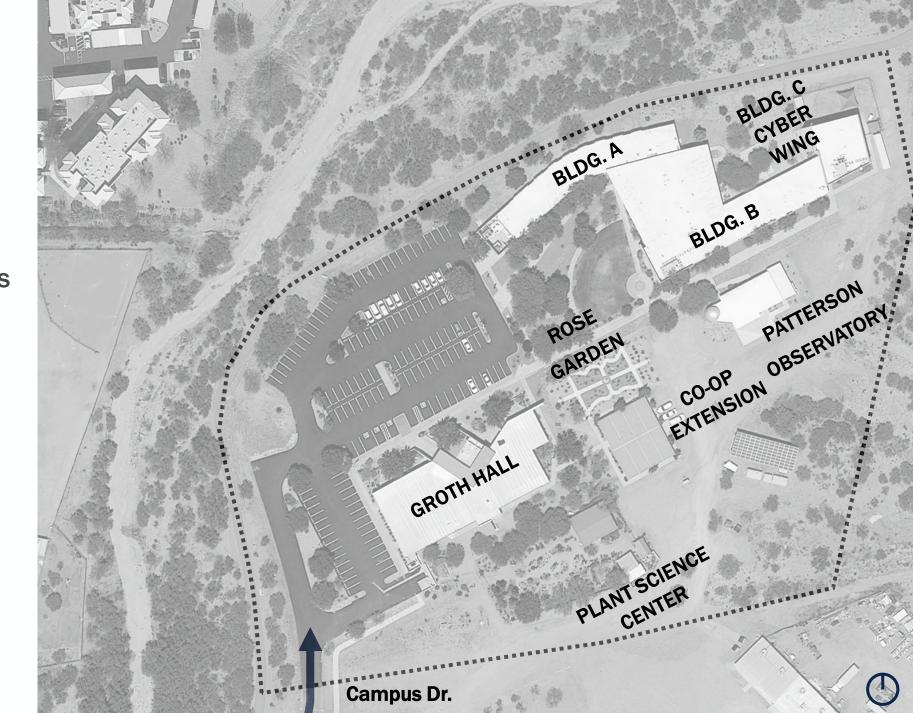


UA CAST CAMPUS

Campus Site*: ~8.25 Acres Facilities*: ~40,000 NSF

- Access
- Campus
- Framework
- Elements
- Service

*Note: Values vary by source

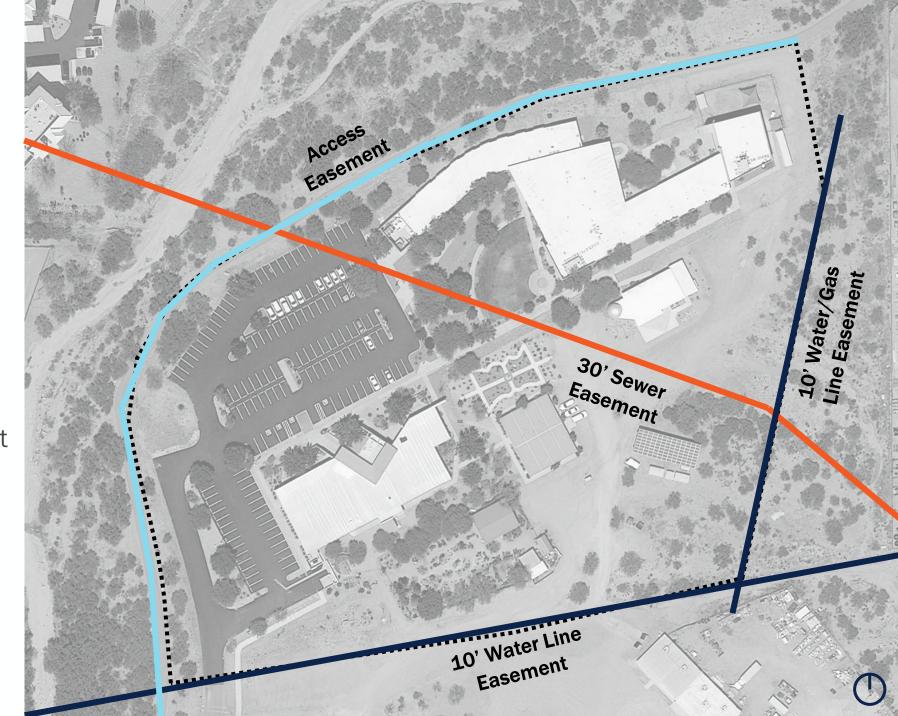


UA CAST EASEMENTS

Campus Site*: ~8.25 Acres Facilities*: ~40,000 NSF

- 30' Sewer Easement
- 10' Water Line Easement
- 10' Water / Gas Line
- Access Easement

*Note: Values vary by source



On-campus Resources

· 2-1- 2-1+.

Groth Hall

BuildingA

Rose Garden

Plant Science Center

Cooperativis Extension 'Building C

Building B

Patterson Observatory

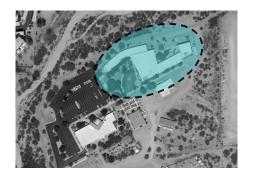
Site

- First buildings opened in 1995
- Adjacent to Cochise College
- Includes Patterson observatory
- Room to grow



Behind the observatory





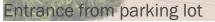


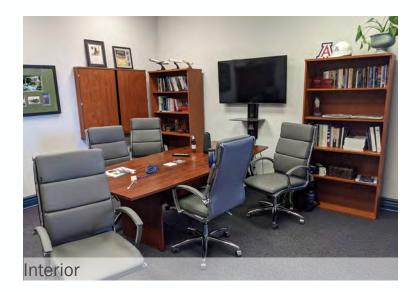


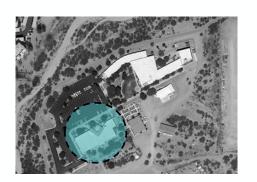
Groth Hall

- 11,926 NSF
- 55 rooms
- Office space and classrooms
- Adjacent to Rose Garden and Plant Science Center

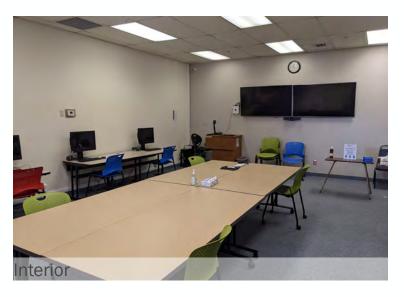


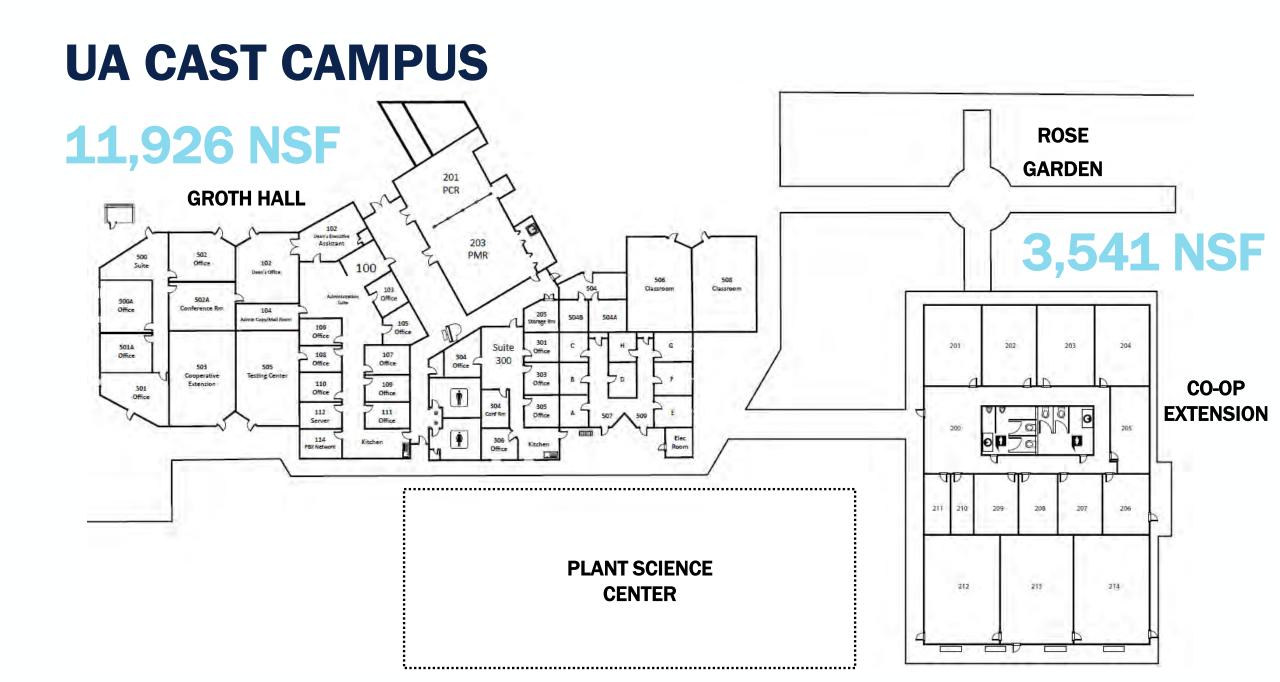












Patterson Observatory

- Part of the University South Foundation
- Opened in 2004 \bullet
- Public observation nights held once a month









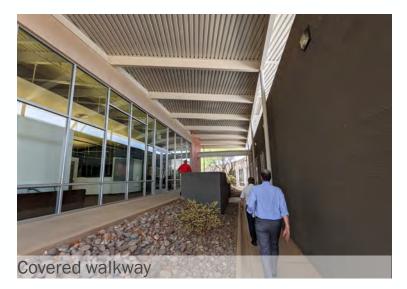




BUILDING A

- Northernmost building on the property
- Linear, curved form follows road
 + informed by the Wash
- Connected to Buildings B and C
- Includes office space and classrooms







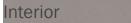


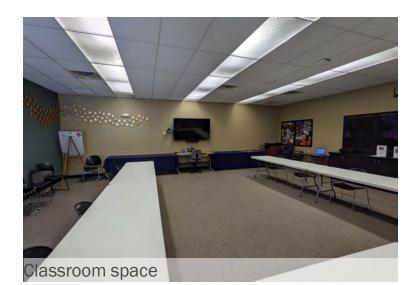


BUILDING B

- Largest of the 3 connected buildings
- Classroom spaces and study spaces
- Building form creates unique courtyard space
- Adjacent to the Observatory

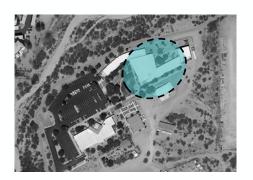










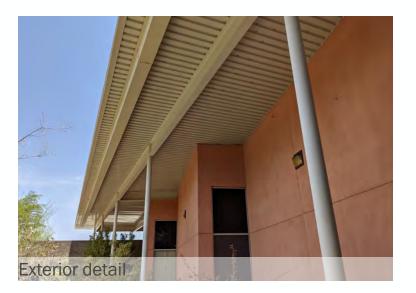


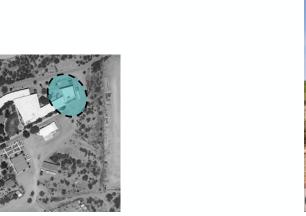
BUILDING C

- Smallest of the 3 buildings \bullet
- Located in northeastern section of the property
- Designed by HDR in 2001
- Includes multi-purpose and student rooms









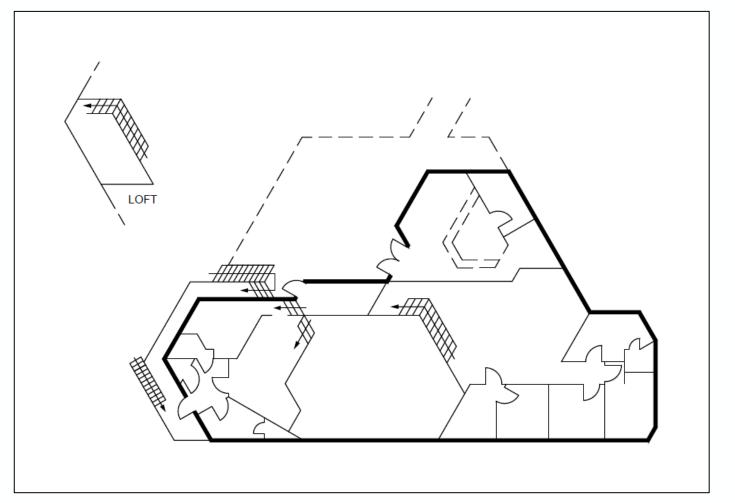




UA CAST CAMPUS



Folklore Center



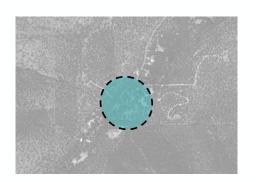


Folklore Museum

- Founded in 1996
- Property on 15 acres
- Partnership w/ UA begins in 2000
- Located close to Ramsey Nature
 Conservancy









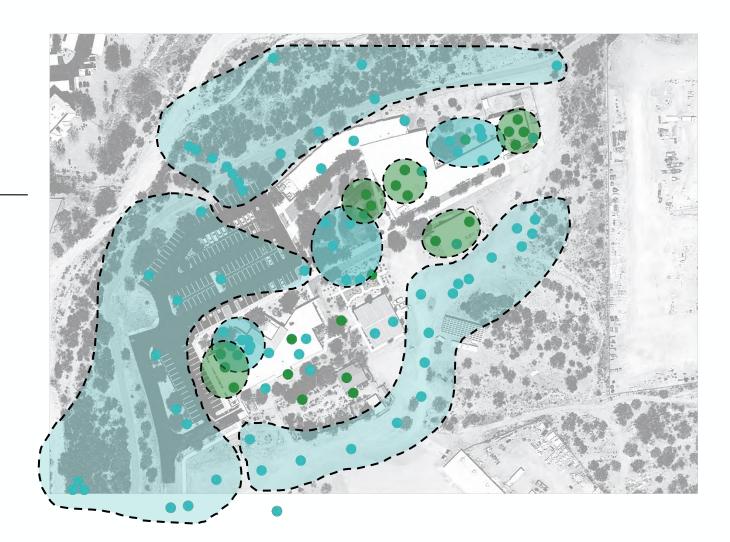


AYERS SAINT GROSS: UA SIERRA VISTA STRENGTHS/OPPORTUNITIES ANALYSIS (Kick-Off Workshop)

Kick-Off Workshop – Strengths/Opportunities

UA Sierra Vista

23
75
98



Overall Themes:

- Campus access
- Campus edges & boundaries
- Connections between buildings
- Green space network
- Campus service & utilities planning
- Parking
- Building conditions
- Functional alignment

Physical Campus Feedback

UA Sierra Vista

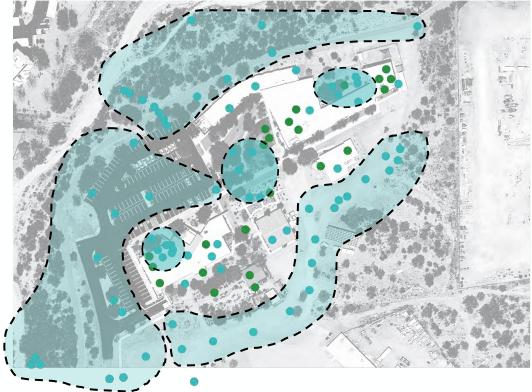
STRENGTHS



•

- Underutilized building capacity
- Excellent outdoor space opportunities
- Flexible programming opportunities
- Strong site character

OPPORTUNITIES



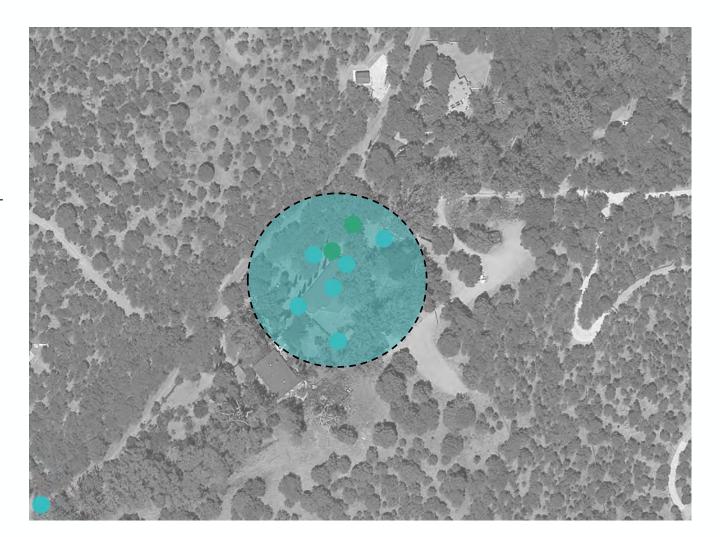
- Unplanned land resources
- Opportunity for greater density and interconnections
- Very unique physical campus character



Kick-Off Workshop – Strengths/Weakness Feedback

UA Sierra Vista / Folklore Museum

3
9
12



Overall Themes:

- Access
- Building condition
- Programming
- Community vs
 Academic
- Building management
- Building access & site navigation

Next Steps

- Individual focus group sessions Week of <u>March 28</u>
- Consolidate information for a group review <u>Mid-April</u>
- Technical assessment of the campus Ongoing
- Provide progress update to Master Plan Executive Steering

Committee - April 22

THANK YOU!

