MASTER PLAN INTRODUCTION

UNIVERSITY OF ARIZONA - SIERRA VISTA

COLLEGE OF APPLIED SCIENCE & TECHNOLOGY (CAST)





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Agenda

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

Meeting Objectives

- 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

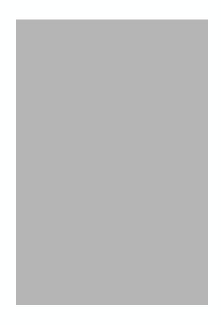
CAST Associate Dean
Applied Research
and Development



Eric MappDepartment Head
Applied Science



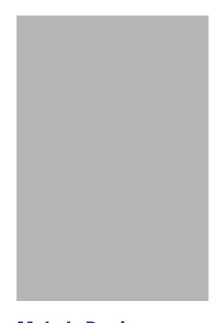
Paul Wagner
Department Head
Applied Technology



Jason Denno
Director Cyber and
Applied Research
Center



Business Director



Melody DugieHR Director



Brian Bates
IT Director



Brittany GordonAssistant Director of Academic Advising



Romi Wittman

Program Director,

CAST Organizational
Leadership +

Regional Commerce

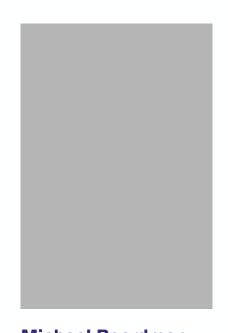


Drew Lutz

Construction Project

Manager III,

Renovation Services



Michael BoardmanBoard President USF



Danielle HallahanProject Management
Assistant II



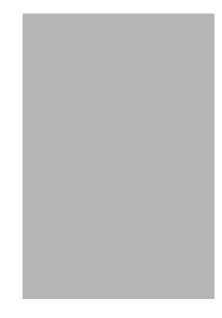
Tracy PrudhommeOperations Manager,
CIIO Dept.



Carol LehmanAdministrative
Assistant



Administrative Assistant



Chris KopachLook up title

Meet the UA - Planning, Design & Construction Team



Peter DourleinAssociate Vice
President, University
Architect



Ed GaldaPlanning Manager



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























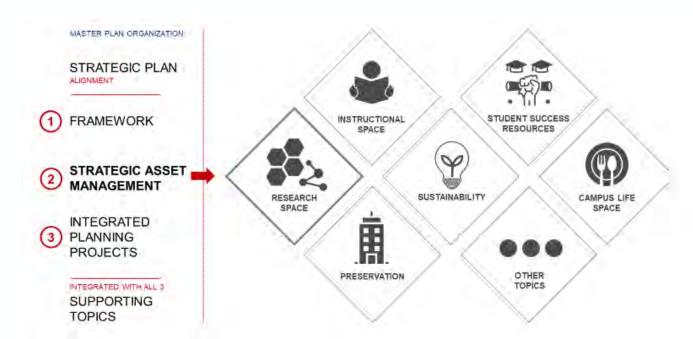




Present

University of Arizona: 2020 Plan

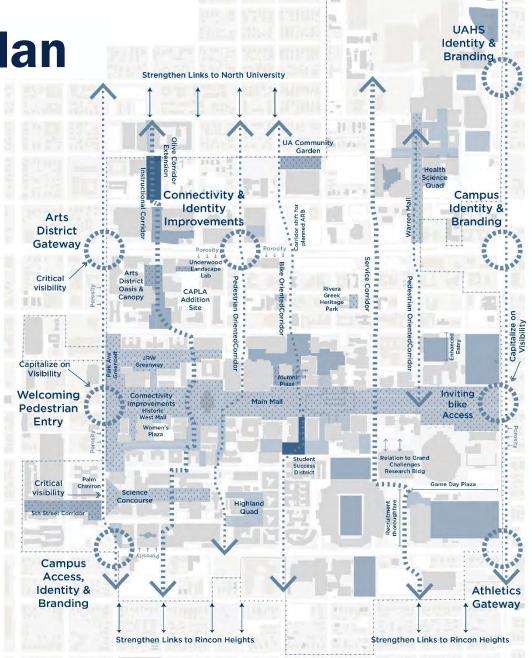
ONGOING





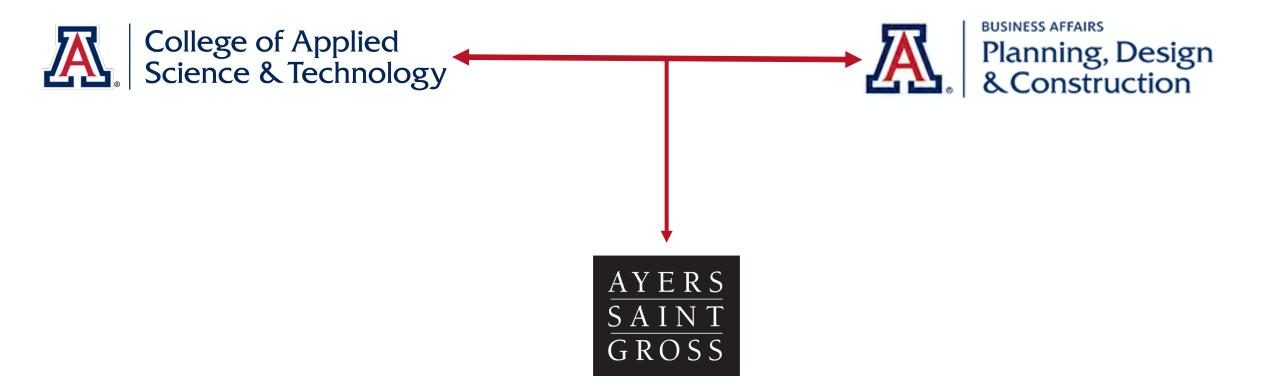




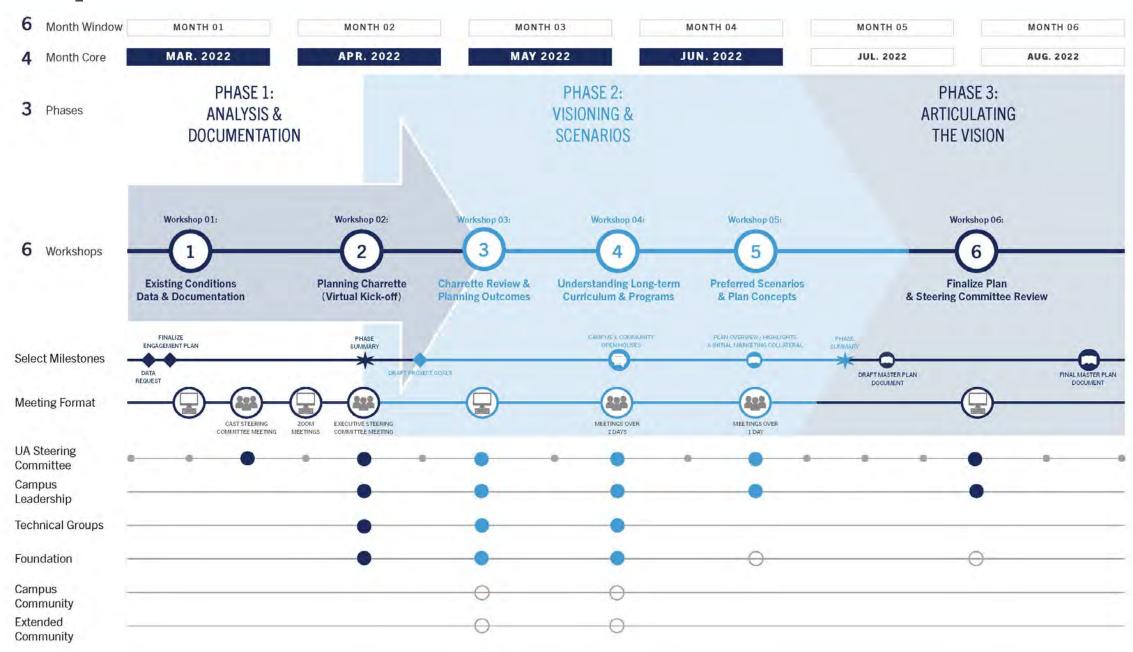


PROCESS

Process Protocols



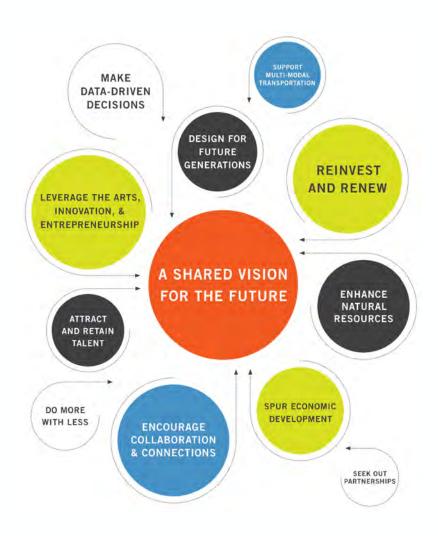
Proposed Process Schedule



What is a Master Plan?



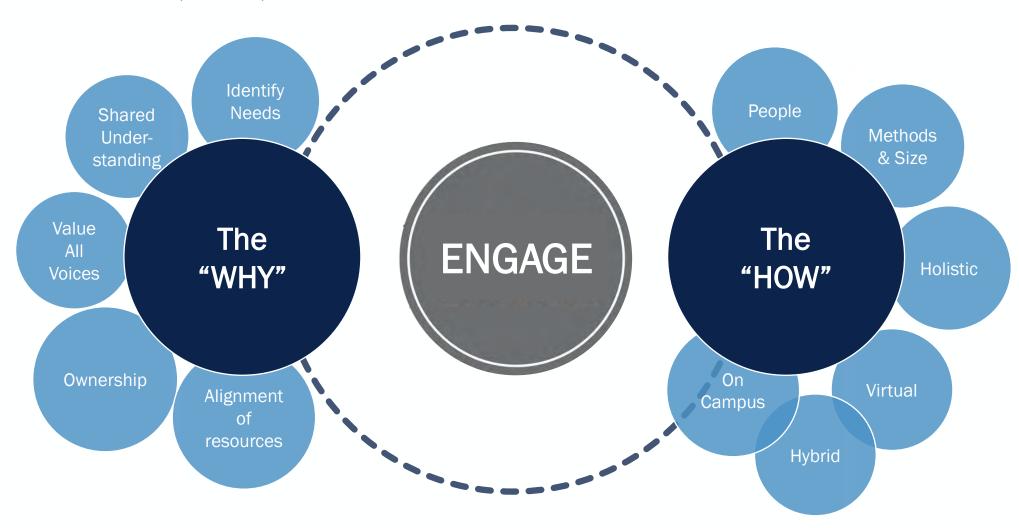
Why are Master Plans Important?



- 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















Virtual Engagement













Adam Gross

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:

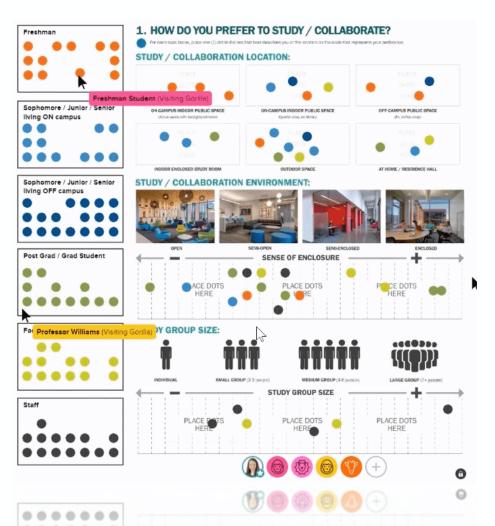
Agreed. not as big a fan of the wall. Something more permeable and welcoming Question 2

From Viviana Grieco to Everyone:

No walls, please. They are too loaded these days

Engagement Sustains Implementation

MORE THAN JUST MEETINGS

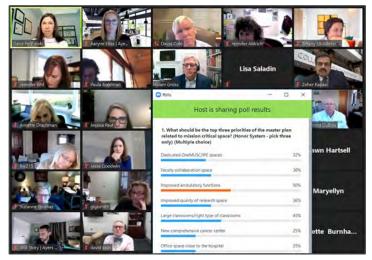












Document and Communicate

CLEAR MESSAGING TO SHARE THE VISION – TAILORED TO YOUR NEEDS

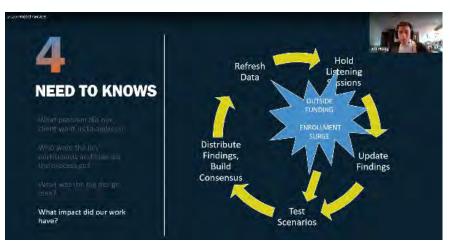








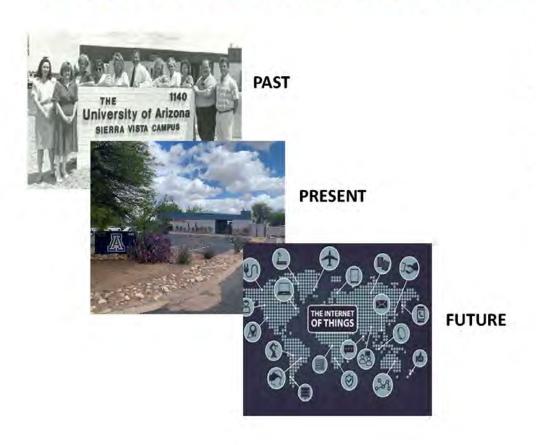




STRATEGIC PLAN

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



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
- **10-15%**
- Average Projected Annual Program Growth through 2024
- 30-50%
- 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?



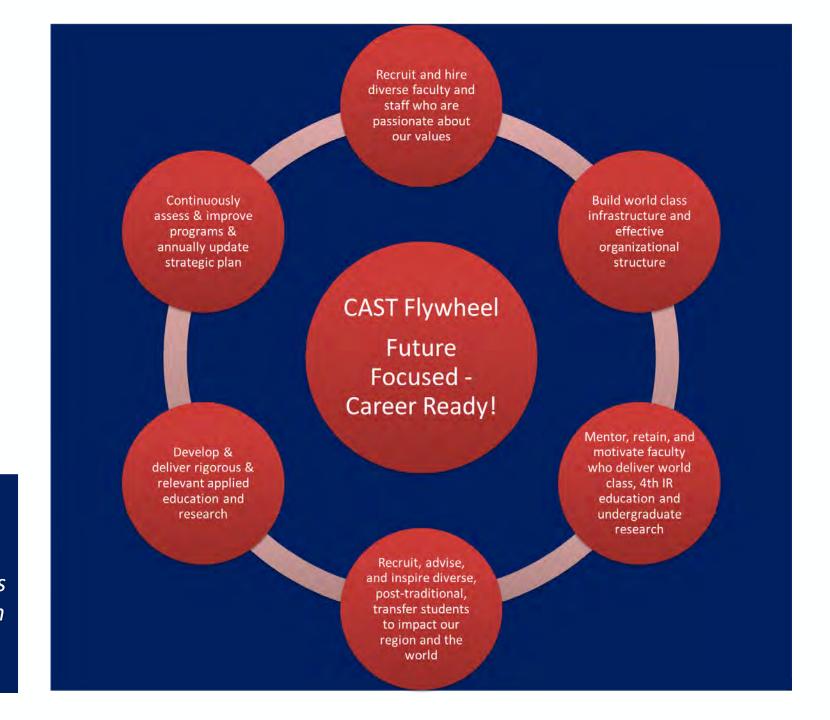
Achieving the Objectives in the Strategic Plan

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.

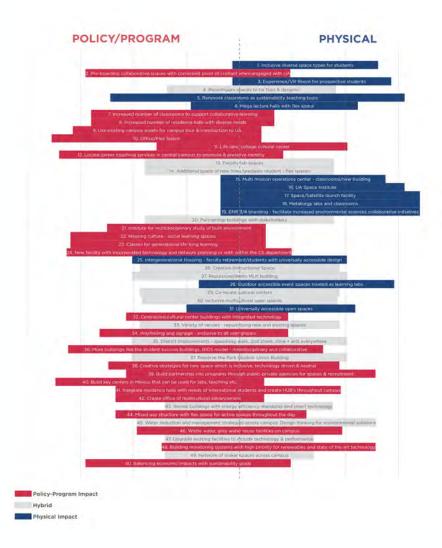
Desired End State

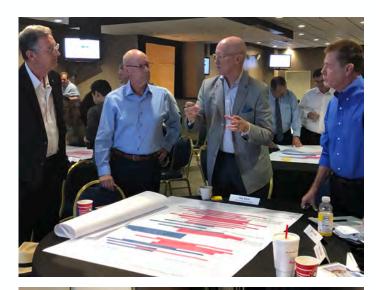
Develop intellectually fertile ground to infuse the workforce with future thinkers delivering cutting edge breakthroughs in technological, socio-cultural, and training domains.



Translating Objectives to Direction

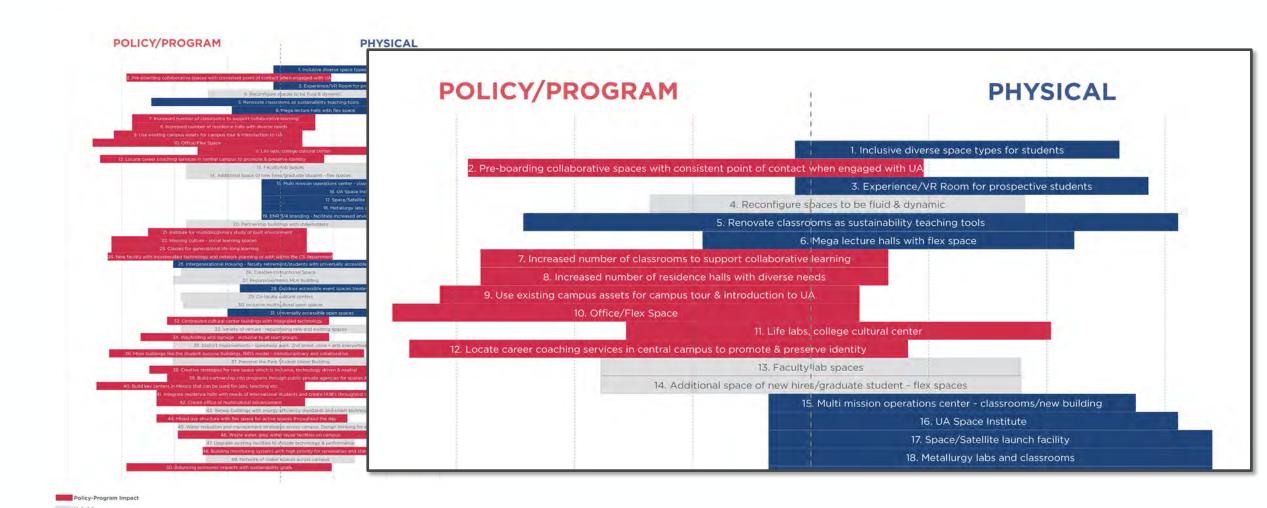
Exercise at UA Main Campus







Translating Objectives to Direction



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		PROGRAM	PHYSICAL	PROTOCOL
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JILD WORLD CLASS INFRASTRUCTURE AND EFFECTIVE ORGANIZA	TIONAL STRUCT PROGRAM	URE PHYSICAL	PROTOCOL
Coordinate with the University CFO to establish a distinct accounting line to track legislative allocation to support activity at the Sierra Vista Branch Campus	0		
Publish Campus Master Plan in coordination with main campus, University South Foundation, Cochise CC, & the City of Sierra Vista	O	0	0
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	Ö	Ö	
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	Ö	O	O
Reinvigorate community and regional partnerships			

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

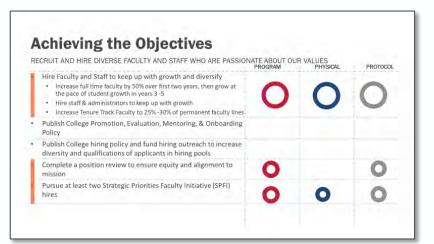
THE INTO IN, INC. IN THE INTO	PROGRAM	PHYSICAL	PROTOCOL
 Elevate the work of the DEI Committee to continuously improve our inclusive culture benefiting a diverse faculty and student population 	0		
Complete and implement college mentoring program		I	
Prepare college on-boarding program for upcoming hiring surge			
Update and fund faculty awards process			
Pursue Endowment for CAST's first named professor			
Hire Associate Dean for Applied Research & Development		 	

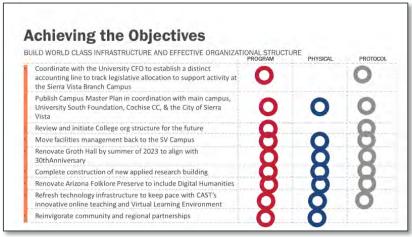
RECRUIT, ADVISE AND INSPIRE DIVERSE, POST-TRADTITIONAL TRANSFER STUDENTS TO IMPACT OUR REGION AND THE WORLD

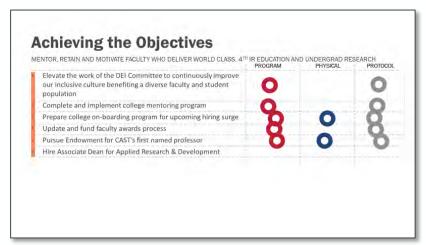
	PROGRAM	PHYSICAL	PROTOCOL
Complete MOA with Vice Provost for ODCE			
Reach 5,000 students (certificates, minors, BAS, PSM) by the end of the five-year plan	i ! !		
In-person advisor/recruitment specialist in Sierra Vista, Pima East, Chandler, and Yuma			
Building on the success of the BashaHigh School/Chandler-Gilbert 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			T
Grow partnerships with Federal & regional LE agencies			i
Expand student awards and scholarships to increase accessibility			r
Grow partnership with Global Direct & pursue educational partnerships with Mexico	i I I		
	 		+

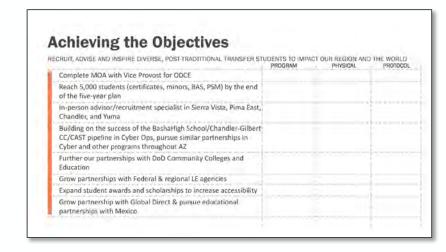
DEVELOP & DELIVER RIGOROUS AND RELEVANT EDUCATION AND RESEARC PROGRAM REVIEW	H THEN ASSESS OU PROGRAM	IR PROGRESS THRO	OUGH REGULAR PROTOCOL
Launch 6 – 9 Professional Science Masters Degrees over 5 years			I
 Start with an educational technology focused degree in Fall of 2022 	 		
Built with stackable Masters Certificates	 		
Establish innovation guidelines and encourage sustainable creativity			
Establish & fund College professional development process			
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			

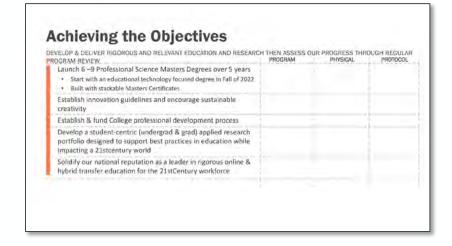
Summary











 How do we align these physical needs into the existing or future facilities?



CAMPUS ANALYSIS

CAST Community (Spring 2022)

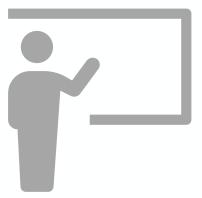
University of Arizona College of Applied Science & Technology



2,133

Students

24% increase Spring2021 to Spring 2022



92

Faculty



48

Staff

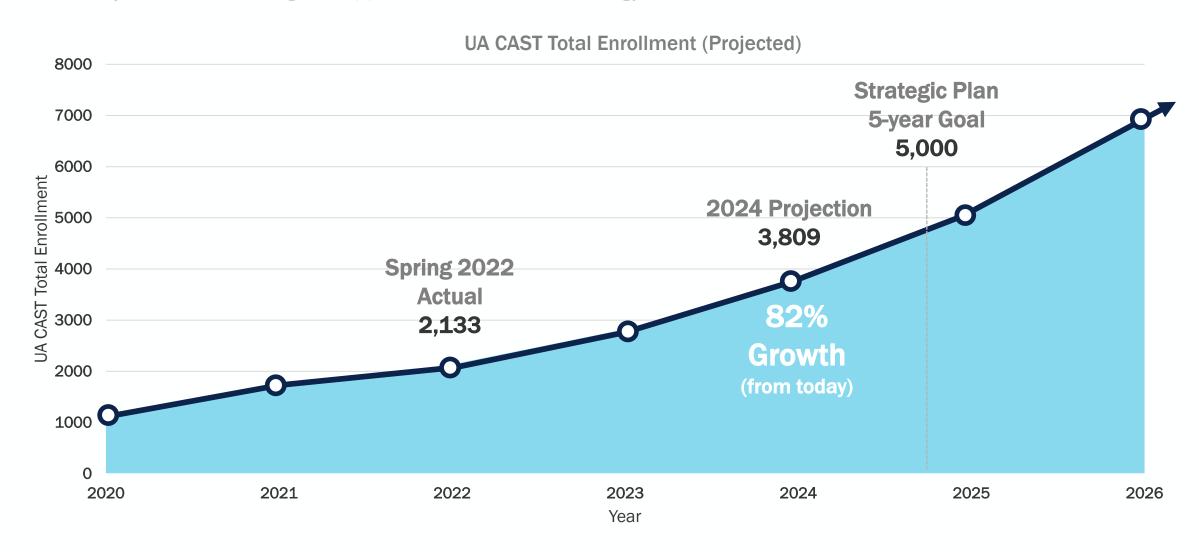
5 – Administrators

8 - Student Workers

35 - Staff

Forecasted Growth

University of Arizona College of Applied Science & Technology

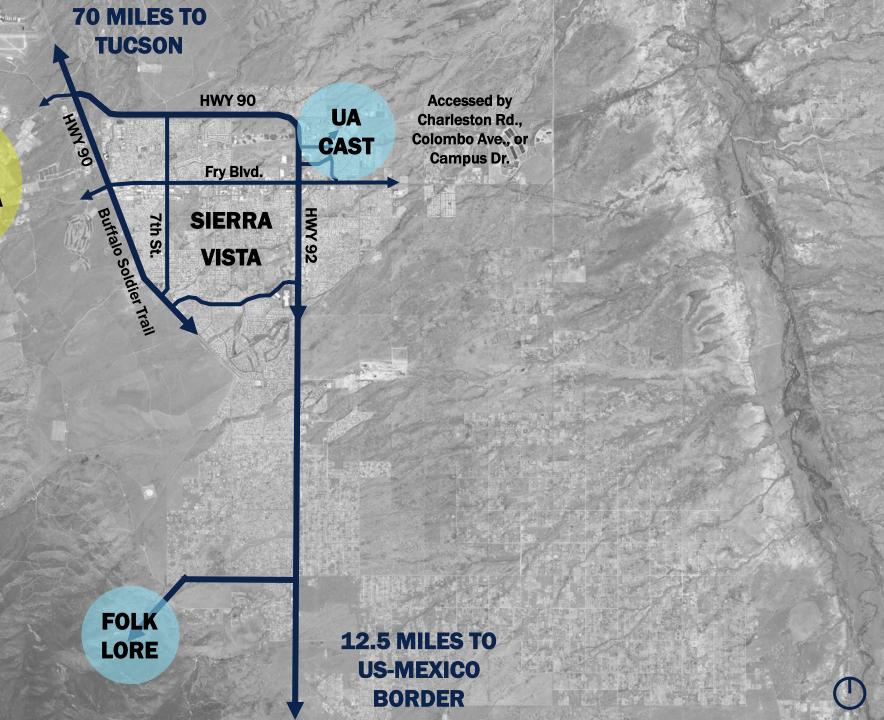


Sierra Vista

Regional Context

FORT HUACHUCA

HUACHUCA MOUNTAIN RANGE



Folklore Center

District Context

CANYON CABINS E Folklore Trail FOLK ON Rating Language Lore CANYON INN

RAMSEY CANYON PRESERVE

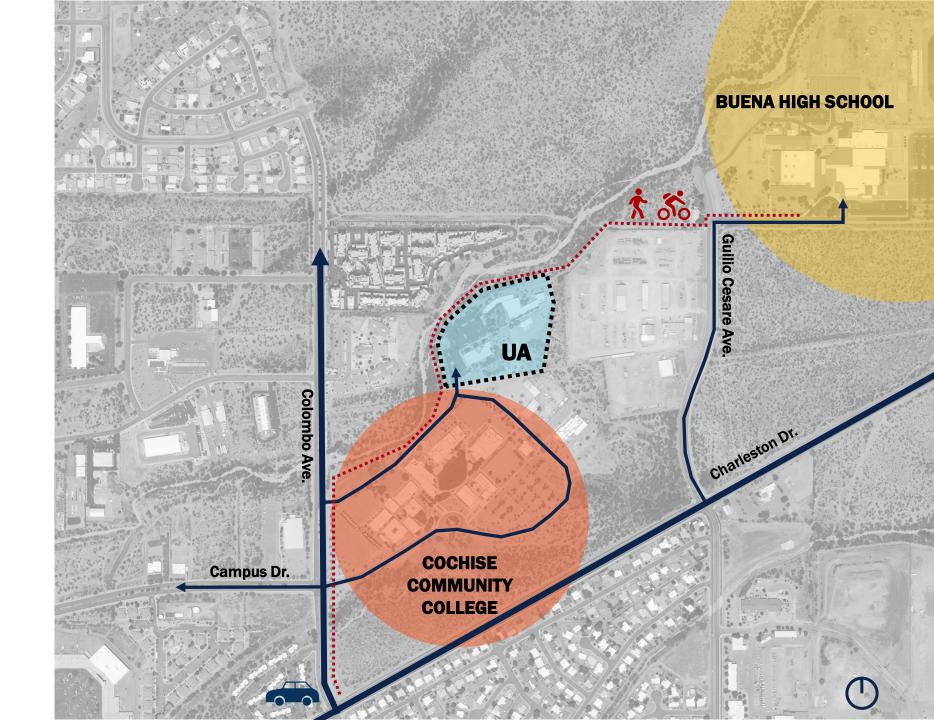
NATURE CONSERVANCY

Hamburg Trail #122



Local Context

- Access
- Wayfinding
- Community
- Identity
- Branding

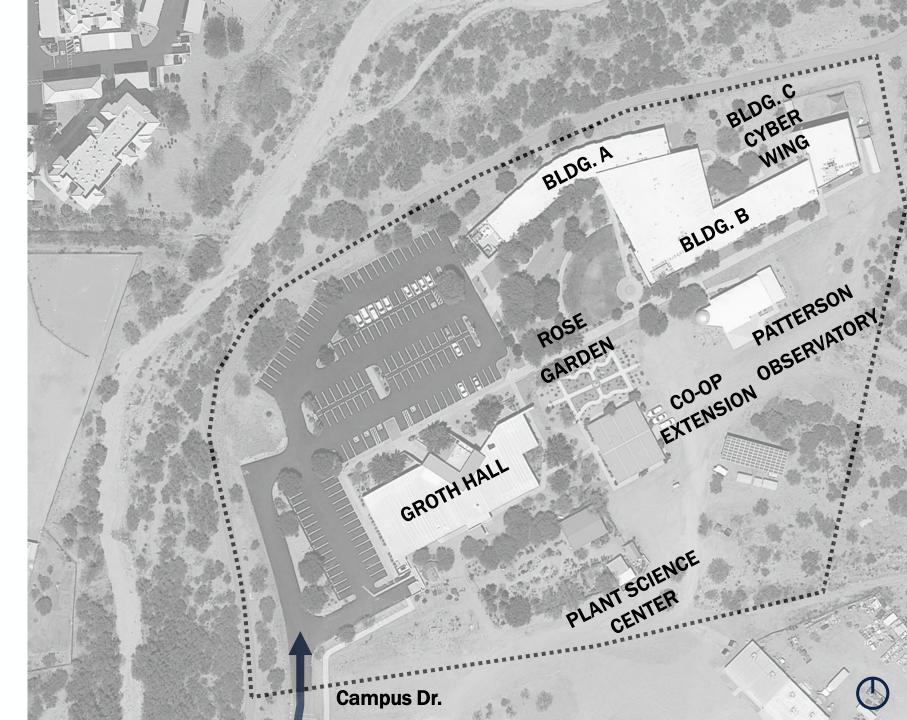


UA CAST CAMPUS

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

- Access
- Campus
- Framework
- Elements
- Service

*Note: Values vary by source

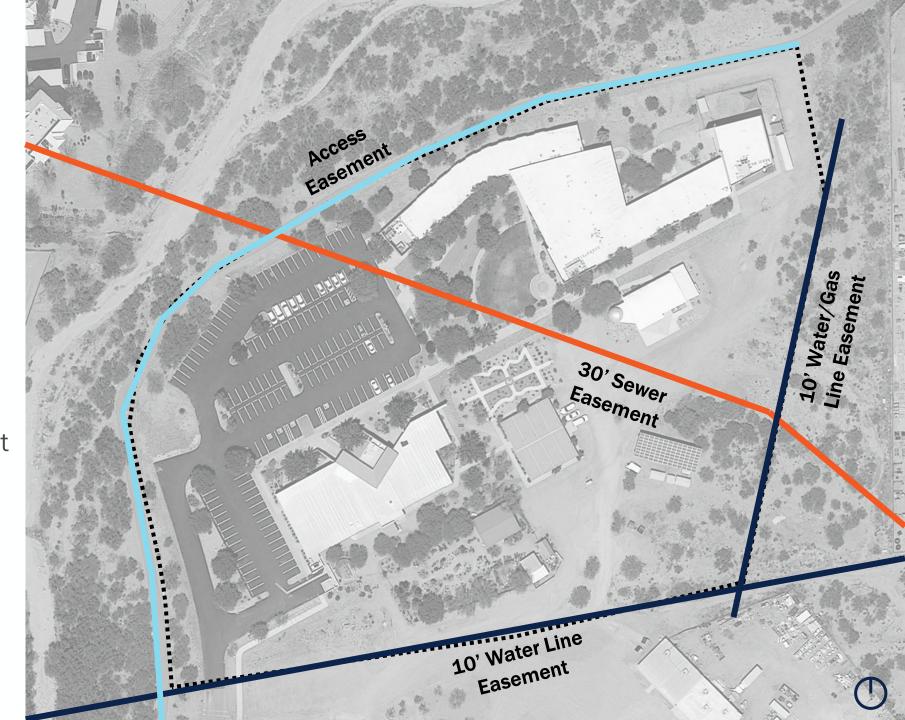


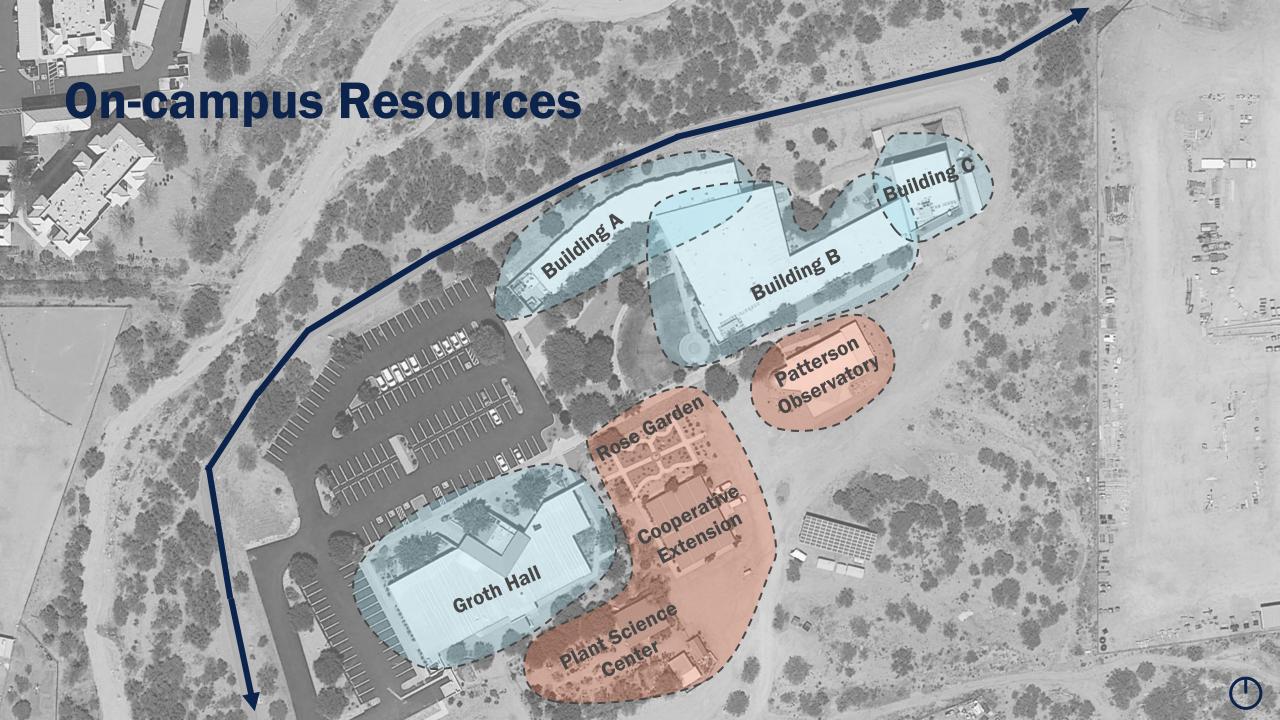
UA CAST EASEMENTS

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



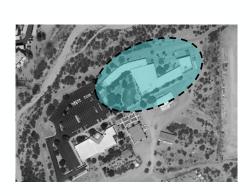


Site

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







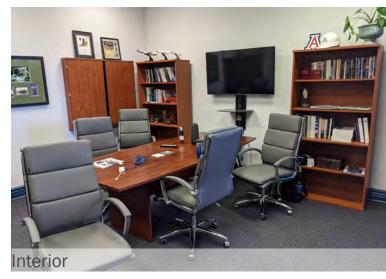


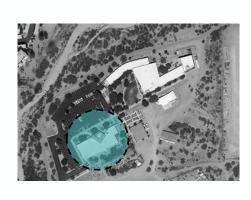


Groth Hall

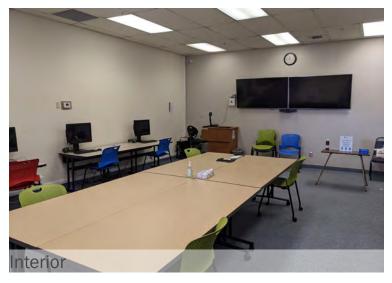
- 11,926 NSF
- 55 rooms
- Office space and classrooms
- Adjacent to Rose Garden and Plant Science Center



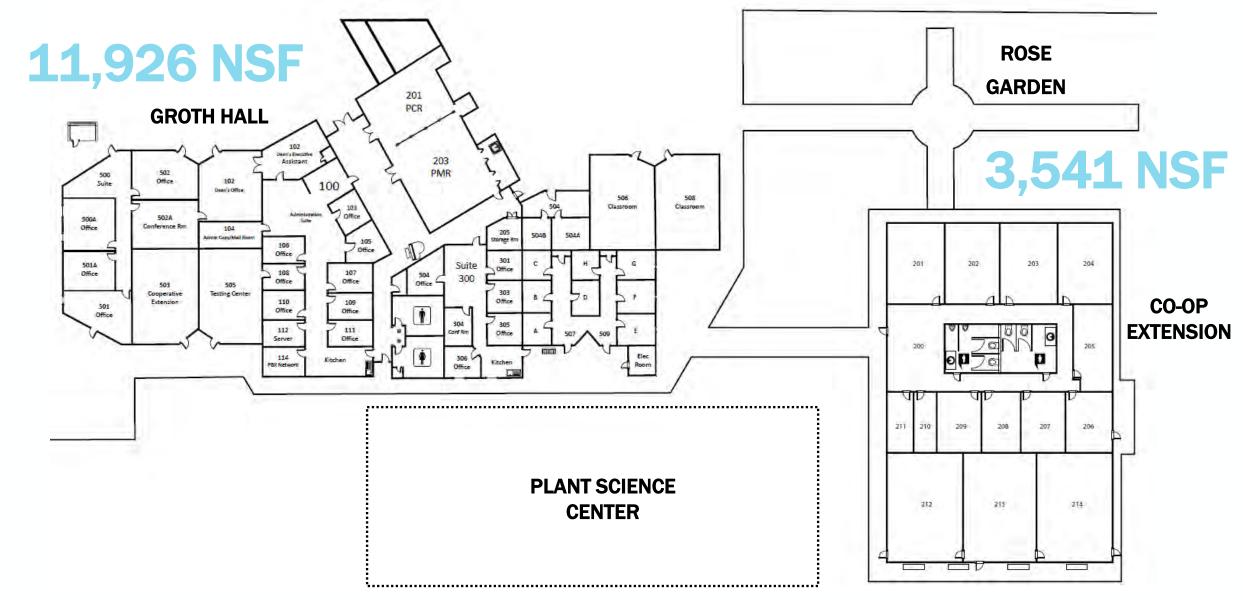








UA CAST CAMPUS



Patterson Observatory

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









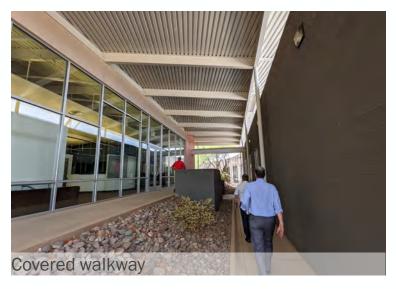


BUILDING A

- 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





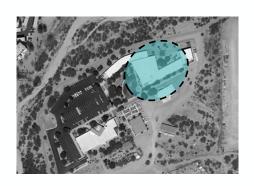






BUILDING B

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











BUILDING C

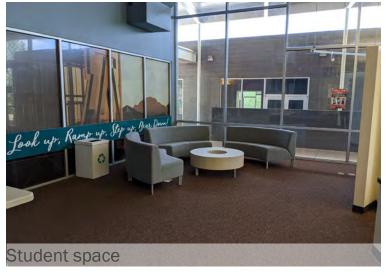
- Smallest of the 3 buildings
- Located in northeastern section of the property
- Designed by HDR in 2001
- Includes multi-purpose and student rooms







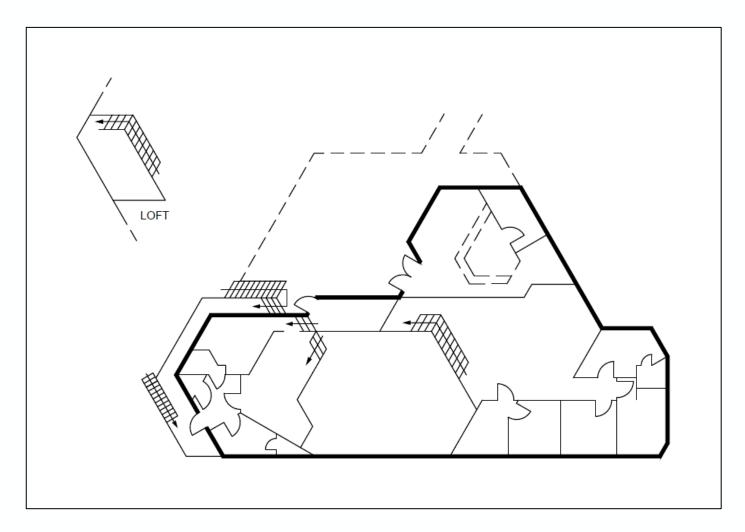




UA CAST CAMPUS



Folklore Center

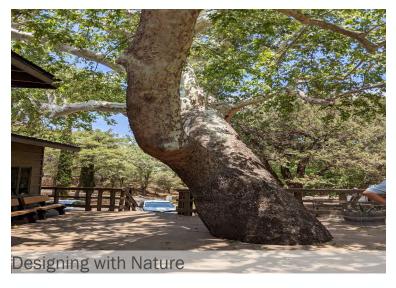


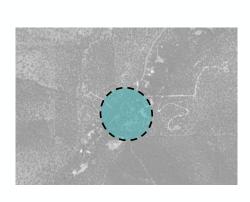
4,312 NSF

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)

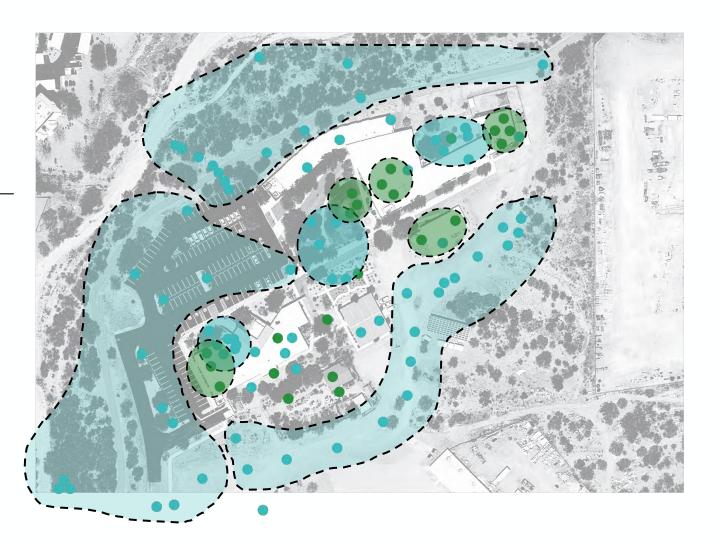
Kick-Off Workshop – Strengths/Opportunities

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

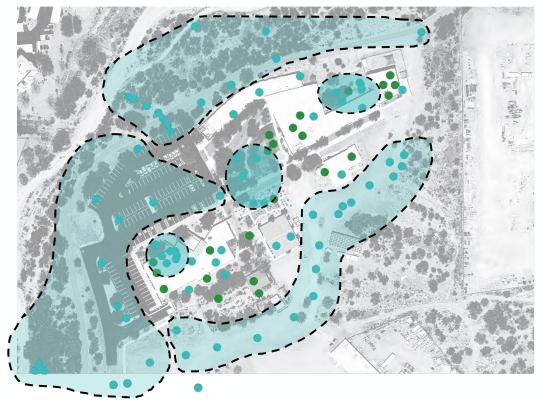


- Underutilized building capacity
- Excellent outdoor space opportunities
- Flexible programming opportunities
- Strong site character



Successful places on campus

OPPORTUNITIES



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



Places with unrealized potential

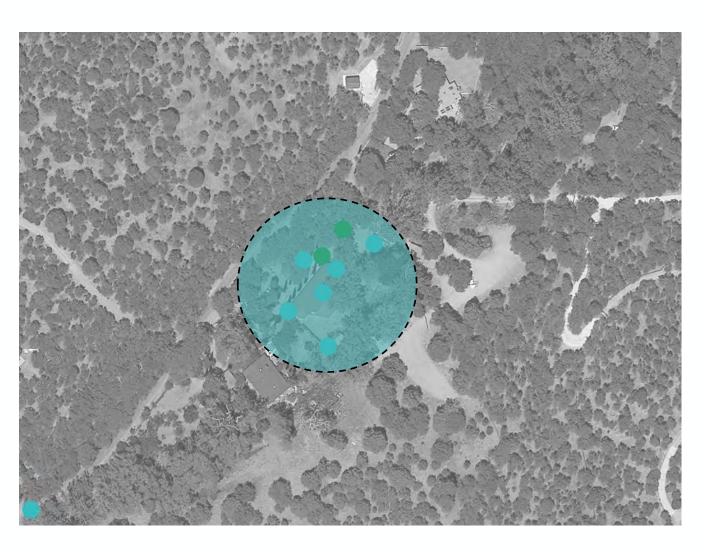
Kick-Off Workshop – Strengths/Weakness Feedback

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 March 28
- Consolidate information for a group review Mid-April
- Technical assessment of the campus Ongoing
- Provide progress update to Master Plan Executive Steering

Committee - April 22

THANK YOU!

