



THE UNIVERSITY OF
MEMPHIS[®]
Dreamers. Thinkers. Doers.

FACILITIES MASTER PLAN UPDATE
KICK-OFF PRESENTATION



- 1 Introduction
- 2 Our Approach
- 3 Methodology
- 4 Next Steps
- 5 Discussion



Agenda

Your Master Planning Team

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LRK

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Eric Luskin
Lead Housing Planner



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Civil Engineer



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Urban Planner



Kate Herbolzheimer
Space Planner



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Electrical Engineer



Jason Taylor
Housing Planner



Sojo Alex
Dining Planner

A National Understanding of Public Universities.



Arizona State University



Temple University



East Carolina University



Indiana University of Pennsylvania



Arkansas State University



Western Michigan University



University of North Alabama



Sam Houston State University

What Makes a *Successful* Master Plan?

Outcomes:

- **Mission / Value Based**
- **Strategic**
- **Community Focused**
- **Inclusive**
- **Flexible**
- **Immediate & Long Range**
- **Sustainable**
- **Resource Focused**
- **Distinctive / Memorable**
- **Realistic**

Components:

- **Strong Guiding Principles**
- **Understanding of Space (Qualitative & Quantitative)**
- **Understanding of Systems**
- **Engagement**
- **Design Guidelines**
- **Phasing and Cost Estimates**
- **Campus-wide Consensus**
- **Proven Process**
- **A Fresh Perspective**

Trends in Higher Education



Creating Identity in a Crowded Market

Competition for Limited State Funding

Increased Accountability – Retention, Graduation

Focus on Increased Efficiency

Changing Student Demographics

Demand for Enhanced Student Life Amenities

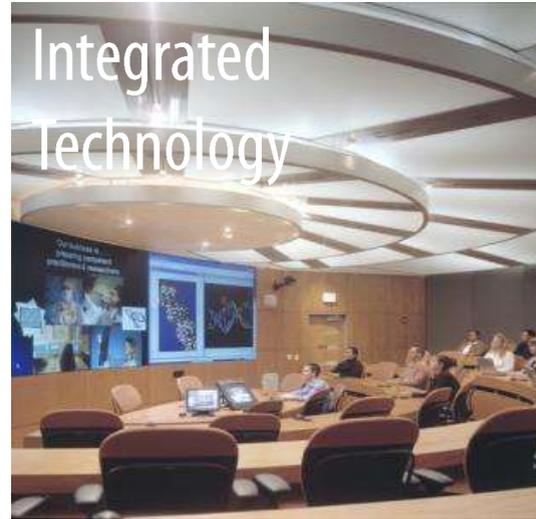
Changing Pedagogies

Growth in High Impact Learning Environments

Rise in Online Education

Continued Migration Towards Research

21st Century Learning Environments



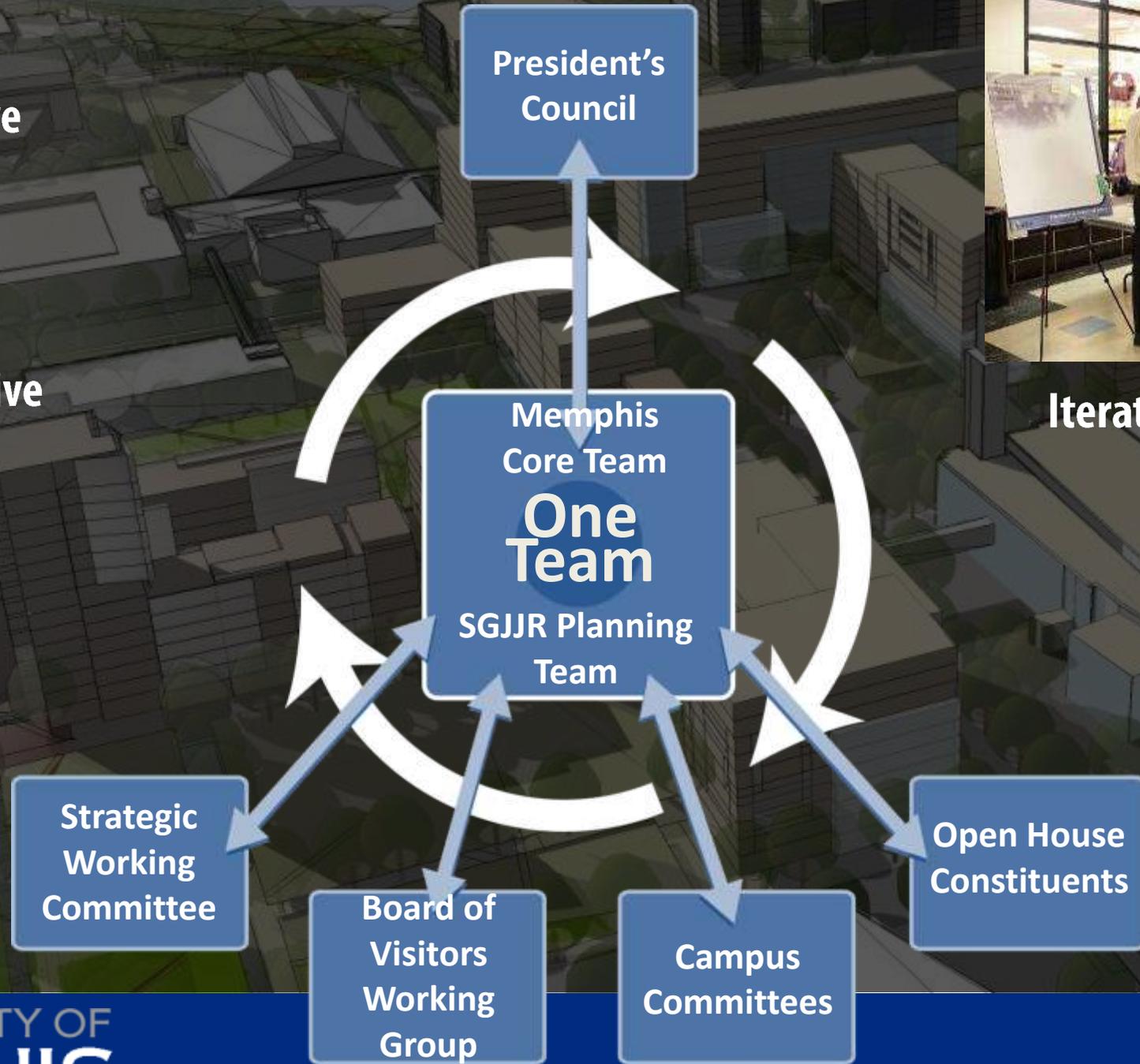


Our Approach

An Inclusive Approach

- Inclusive
- Comprehensive
- Transparent
- Sustainable
- Non-Prescriptive
- Actionable

Tennessee Board of Regents



Iterative Design Based on Cumulative Decision-Making

Campus and Community Engagement



Campus Committees



Student Outreach



Campus Open Houses



Community Open Houses

Online Engagement

MARSHALL MASTER PLAN

Welcome to the Marshall University Campus Master Plan site as an online town hall meeting for the Marshall University community. This site is designed to collect your practical and resourceful ideas on a long-term plan to make Marshall University a better place for students.

UNIVERSITY OF CONNECTICUT Master Plan Update

2006 Master Plan Update

University of Connecticut

Master Plan Home

Stores Campus

Greater Hartford Campus

Torrington Campus

Avery Point Campus

Sustainable Design

21st Century UConn

Outlying Parcels Master Plan June 2000

1998 Master Plan

What is your favorite place on campus? Show us!

ADD A PHOTO

SIGN UP NOW!

SELECT LANGUAGE

PROJECT DETAILS

- About the Project
- Who's Listening?
- Rewards Store
- MU Master Plan
- Letter from President Kopp
- MU Strategic Plan

CONTRIBUTORS

Weekly Active Users

University of Nevada, Las Vegas

FACILITIES Management and Planning

campus master plan

Final Campus Master Plan

Why a Master Plan

Institutional Goals

Master Plan Goals

Planning Approach

The Project Team

Project Schedule

Products To Date

Comments

Back

Overview

- Master Plan 2003
- Principles for Excellence
- Master Plan Goals
- Final Master Plan Presentation
- Process
- Existing Conditions
- Recommendations
- Recent Update

Louisiana State University Master Plan

PRINCIPLES IN DETAIL

Western Michigan University

Master Plan Website

Welcome

- Why A Master Plan?
- Planning Principles
- Planning Approach

- New Developments
- Project Timeline
- Next Campus Visit

facebook

The Future of the UWRP Campus

Wall Info Discussions Photos Video Events

Write something...

Attach

Share

Information

Category: Geography - Neighborhoods

Description: This is the site for the latest news about the Campus Master Plan for the UW-River Falls campus. How should the campus grow and change over the next 10 to 20 years?

Privacy Type: Open: All content is public.

Admins

- Jon Hoffman (creator)

Members

6 of 29 members See All

Glenn Spiczak Empty spaces need to be utilized (or razed if necessary) - vacated areas like Brandy's and vast portions of Rodi make it look like departments are NOT overflowing with overcrowded labs and classrooms when many of us really do need a LOT more space for active, engaged teaching & learning, student & faculty research, collaboration, etc.

March 26 at 12:56pm · Comment · Like · Report

Neal Kessler Thanks for the comment, Glenn. The Master Plan will determine if Rodi can be used and, if so, what the best uses may be. Stay tuned.

March 26 at 8:26pm · Delete

Write a comment...

Jon Hoffman Student Open House in UC on March 24

The Future of the UWRP Campus

facebook



Methodology

Master Planning Process

- Videoconference
- Campus Visit
- Ⓡ Board of Regents Presentation
- Ⓣ THEC Commission Presentation
- Ⓢ SBC Presentation

5.0 Documentation

4.0 Refinement

3.0 Idea Generation

2.0 Analysis

1.0 Discovery



Task 1 – Discovery Phase

Understanding your Vision



Task 2 – Analysis Phase

Campus & Community Site Analysis



Land Use



Organization



Open Space



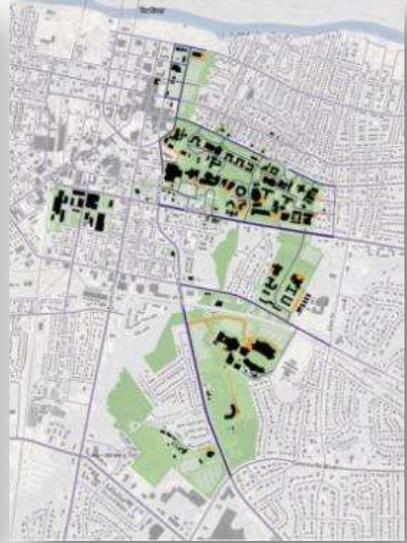
Watersheds



Circulation



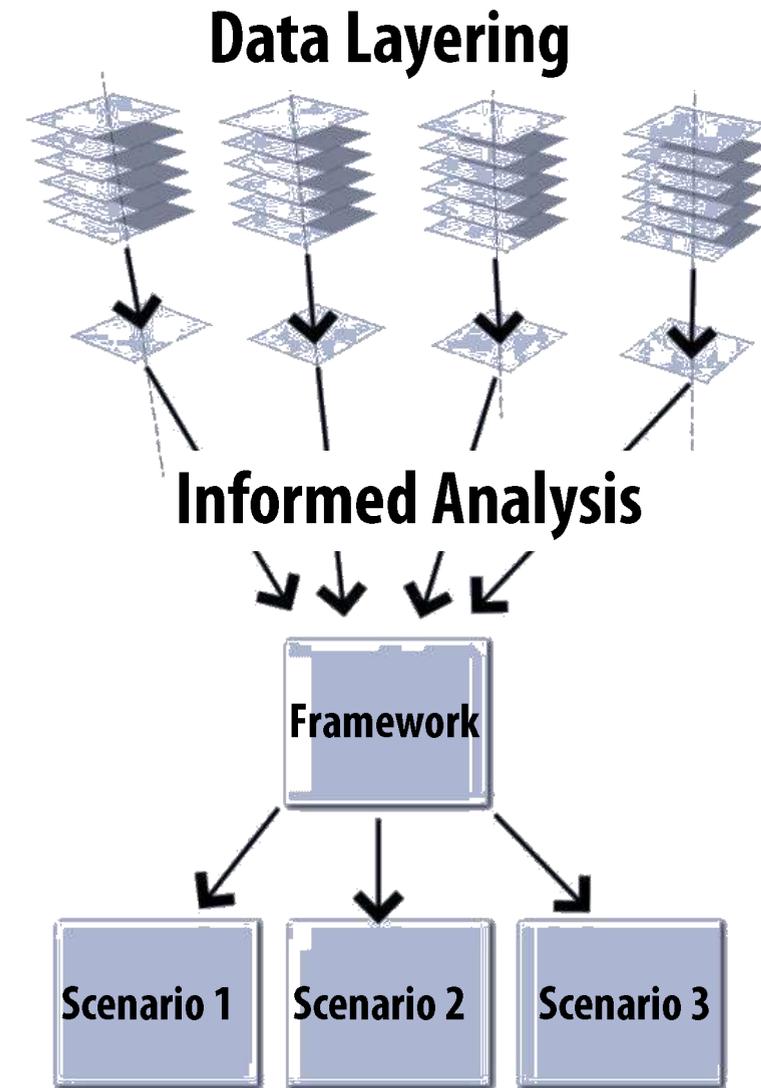
Growth Patterns



Connectivity



Transit



Task 2 – Analysis Phase

Instructional Space Utilization

- How effectively is the University of Memphis using classroom and laboratory resources?
- Can they be used more efficiently?

Weekly Room Hours

The average number of hours per week a room is scheduled over a term or semester



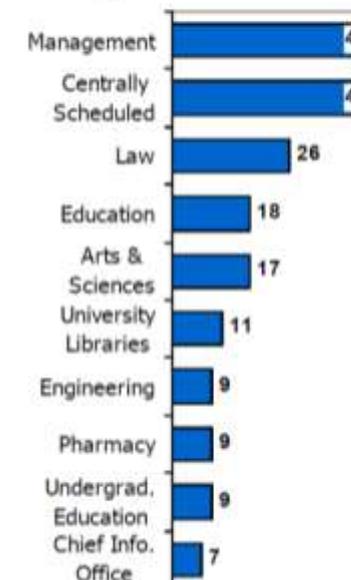
Student Station Occupancy

The average percent of seats filled when a room is occupied during scheduled use.



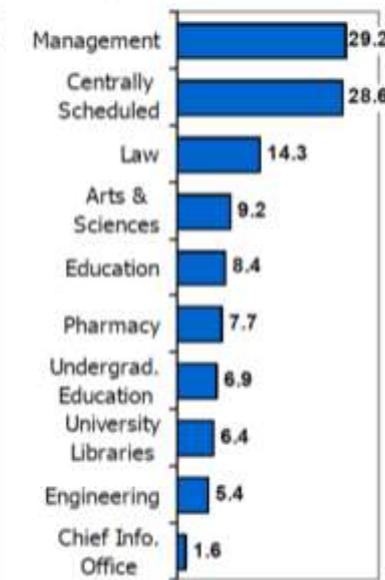
College / Unit	No. of Rooms	Average Room Size	Average ASF per Station	Average Section Size	Weekly Seat Hours	Average Weekly Room Hours	Hours in Use Student Station Occupancy %
Centrally Scheduled Space	112	1,002	17	40	28.6	41	69%
College of Arts and Sciences	32	626	20	18	9.2	17	56%
Graduate School of Education	3	513	16	16	8.4	18	51%
Law School	11	1,120	20	30	14.3	26	51%
Office of the Chief Information Officer	1	2,382	24	23	1.6	7	24%
School of Engineering and Applied Sciences	1	599	37	10	5.4	9	60%
School of Management	8	1,198	20	40	29.2	43	69%
School of Pharmacy and Pharmaceutical Sciences	3	586	15	33	7.7	9	82%
University Libraries	3	438	23	8	6.4	11	56%
Vice Provost for Undergraduate Education	1	378	18	16	6.9	9	77%
Total No. of Rooms = 175					AVERAGE	34	66%

Weekly Room Hours:



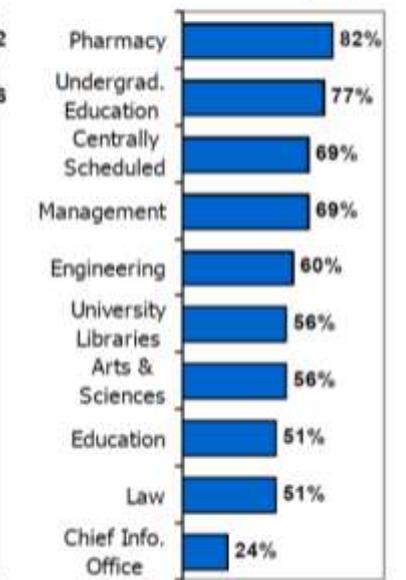
Weekly Room Hour Target = 35

Weekly Seat Hours:



Weekly Seat Hour Target = 23.45

Student Station Occupancy:



Station Occupancy Target = 67%

Task 2 – Analysis Phase

Space Needs Analysis

- How much space will be needed in the future to accomplish strategic goals?

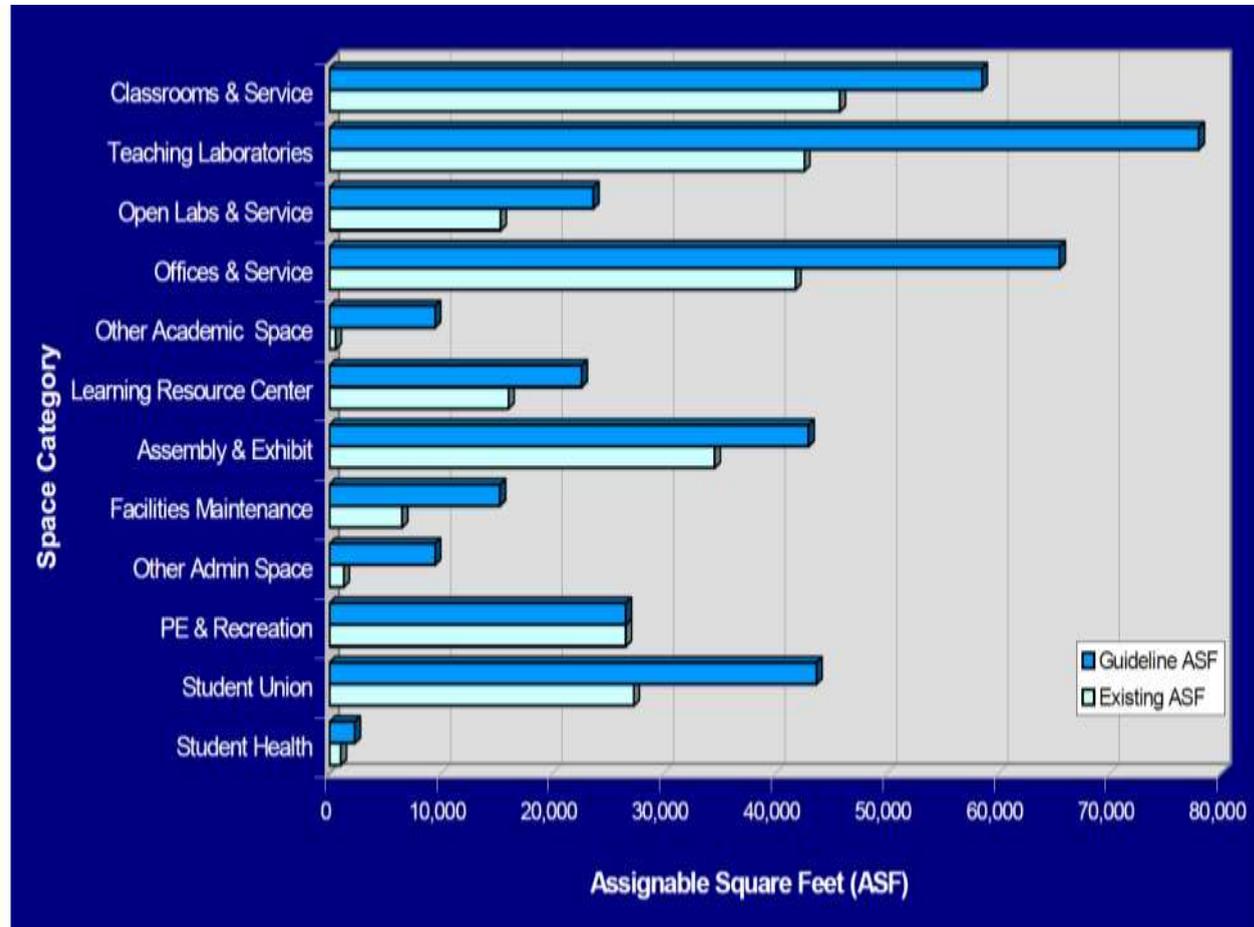


Table 1: Space Needs Analysis by Space Type

SPACE CATEGORY	Existing ASF	FALL 2006 <i>Student Headcount = 9,038 Student FTE = 7,464</i>		MODERATE GROWTH <i>Student Headcount = 10,500 Student FTE = 8,671</i>		AGGRESSIVE GROWTH <i>Student Headcount = 12,000 Student FTE = 9,910</i>	
		Guideline ASF	Surplus/ (Deficit)	Guideline ASF	Surplus/ (Deficit)	Guideline ASF	Surplus/ (Deficit)
Academic Space							
Classroom & Service	105,868	105,717	151	119,392	(13,524)	137,821	(31,953)
Teaching Laboratories & Service	89,730	78,927	10,803	88,285	1,445	101,528	(11,796)
Open Laboratories & Service	57,339	67,181	(9,842)	78,040	(20,701)	89,763	(32,424)
Research Laboratories & Service	32,816	39,365	(6,549)	45,525	(12,709)	52,135	(19,319)
Academic Offices & Service	174,191	162,075	12,116	176,485	(2,274)	195,910	(21,719)
Physical Education & Recreation	76,194	61,820	14,374	67,856	8,338	74,051	2,143
Other Academic Department Space	96,423	104,494	(8,071)	112,725	(16,302)	118,924	(22,501)
<i>Academic Space Subtotal</i>	<i>632,561</i>	<i>619,578</i>	<i>12,982</i>	<i>688,268</i>	<i>(55,727)</i>	<i>770,130</i>	<i>(137,569)</i>
Academic Support Space							
Administrative Offices & Service	69,541	67,280	2,261	69,695	(154)	74,990	(5,449)
Library	83,021	114,177	(31,156)	128,761	(45,740)	138,681	(55,660)
Assembly & Exhibit	45,179	42,234	2,945	49,476	(4,297)	56,910	(11,731)
Physical Plant	57,220	64,683	(7,463)	73,179	(15,959)	80,876	(23,656)
Other Administrative Department Space	17,778	22,392	(4,614)	26,013	(8,235)	29,729	(11,951)
<i>Academic Support Space Subtotal</i>	<i>272,739</i>	<i>310,766</i>	<i>(38,027)</i>	<i>347,124</i>	<i>(74,385)</i>	<i>381,166</i>	<i>(108,447)</i>
Auxiliary Space							
Athletics	116,158	200,000	(83,842)	200,000	(83,842)	200,000	(83,842)
Student Center	59,151	67,175	(8,024)	78,039	(18,888)	108,000	(48,849)
Health Care Facilities	2,568	3,732	(1,164)	4,336	(1,768)	4,955	(2,387)
<i>Auxiliary Space Subtotal</i>	<i>177,877</i>	<i>270,907</i>	<i>(93,030)</i>	<i>282,375</i>	<i>(104,498)</i>	<i>312,955</i>	<i>(135,078)</i>
CAMPUS TOTAL	1,083,177	1,201,252	(118,075)	1,317,787	(234,610)	1,464,271	(381,094)
<i>Day Care</i>	<i>4,507</i>						
<i>Inactive/Conversion Space</i>	<i>17,365</i>						
<i>Residence Life</i>	<i>752,677</i>						
<i>Farm Buildings</i>	<i>50,040</i>						
<i>McMinville Buildings</i>	<i>28,060</i>						

ASF = Assignable Square Feet

Task 2 – Analysis Phase

Housing & Dining Assessment

- Review Operational Data
- Evaluate Existing Facilities
- Understand Strategic Goals
- Develop Specific Recommendations
 - Capacities, Mix, Distribution of Housing and Dining
- Strategies for Effective Marketing
- Potential Partnership Opportunities



Task 2 – Analysis Phase

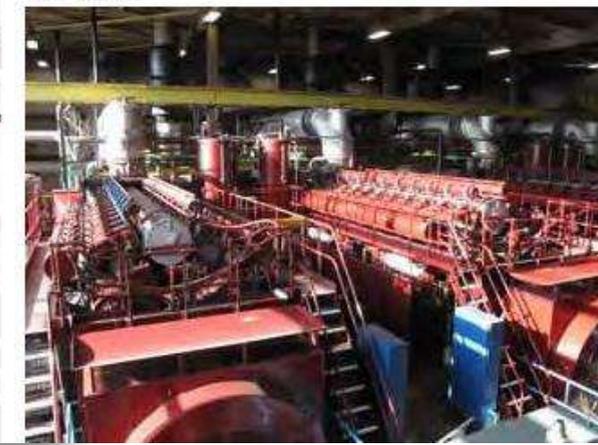
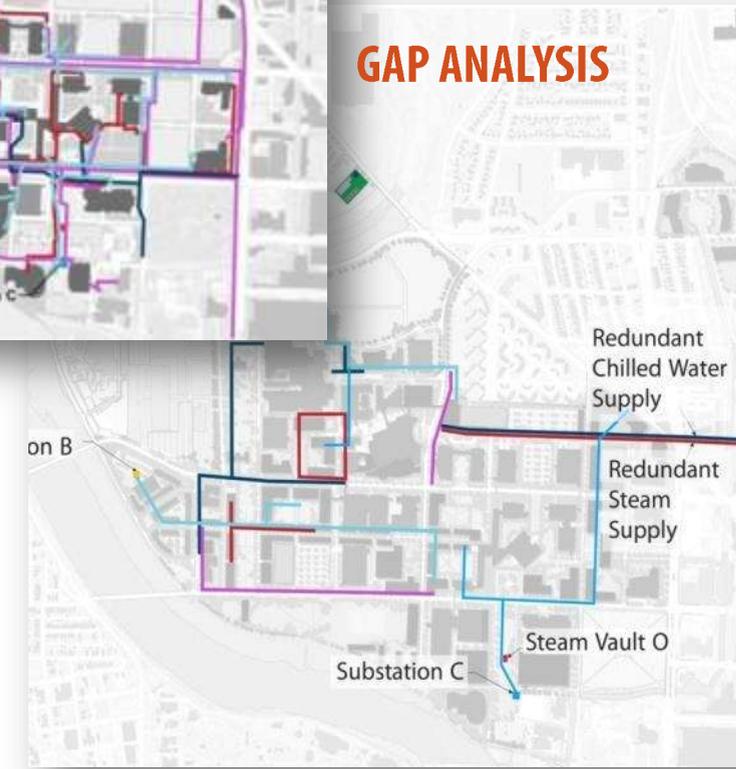
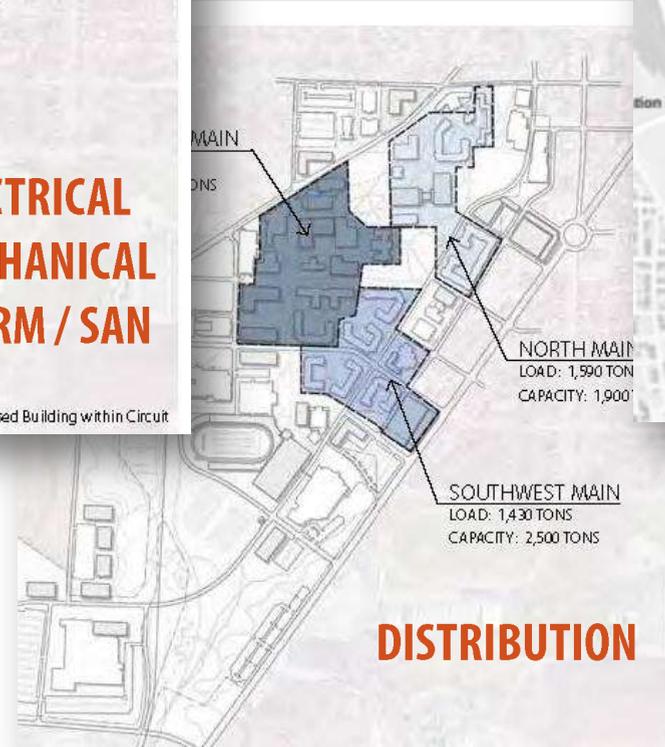
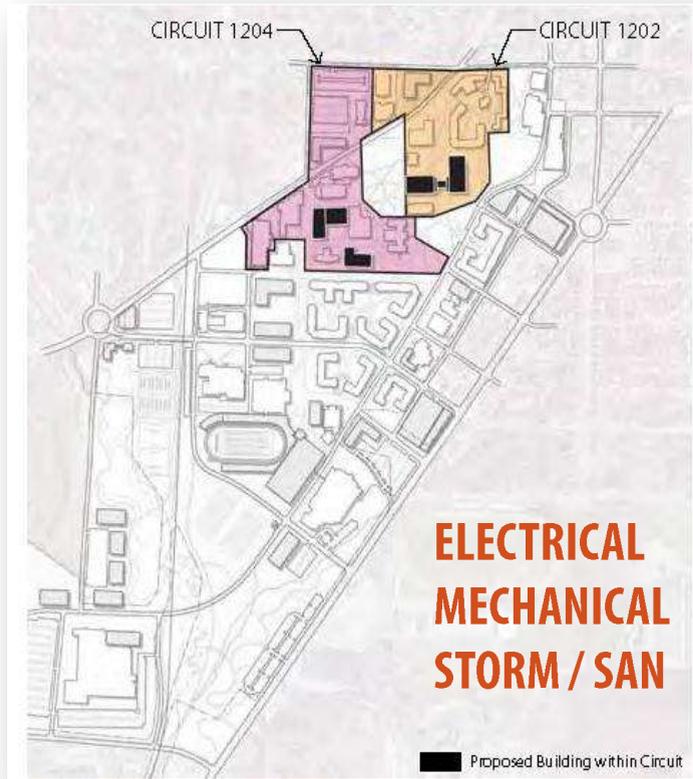
Facilities Assessment & Capital Maintenance Planning



WEYANDT HALL	
KEITH HALL	
LEONARD HALL	
STAPLETON LIBRARY	
STABLEY LIBRARY	
MEMORIAL FIELD HOUSE	
ZINK HALL	
SPROWLS HALL	
DAVIS HALL	
ACKERMAN HALL	
STRIGHT HALL	
EBERLY COLLEGE BUS	
STOUFFER HALL	
UNIVERSITY TOWERS	
JOHN SUTTON HALL	
FOLGER DINING HALL	
PRATT HALL	
FOSTER DINING HALL	
WALSH HALL	
WHITMYRE HALL	
FISHER AUDITORIUM	
WALLER HALL	
PIERCE HALL	
EICHER BUILDING	
JOHNSON HALL	
BREEZEDALE	
UHLER HALL	
MCELHANEY HALL	
SWJ COGENERATION	
R & P OFFICE BLDG	
BOILER PLANT	
MILLER STADIUM	
CLARK HALL	
CULINARY SCHOOL	
RESCHINI HOUSE	
WILSON HALL	
UNIVERSITY RESIDENCE	
COGEN MAINTENANCE GARAGE	
CONTINUING ED BLDG	

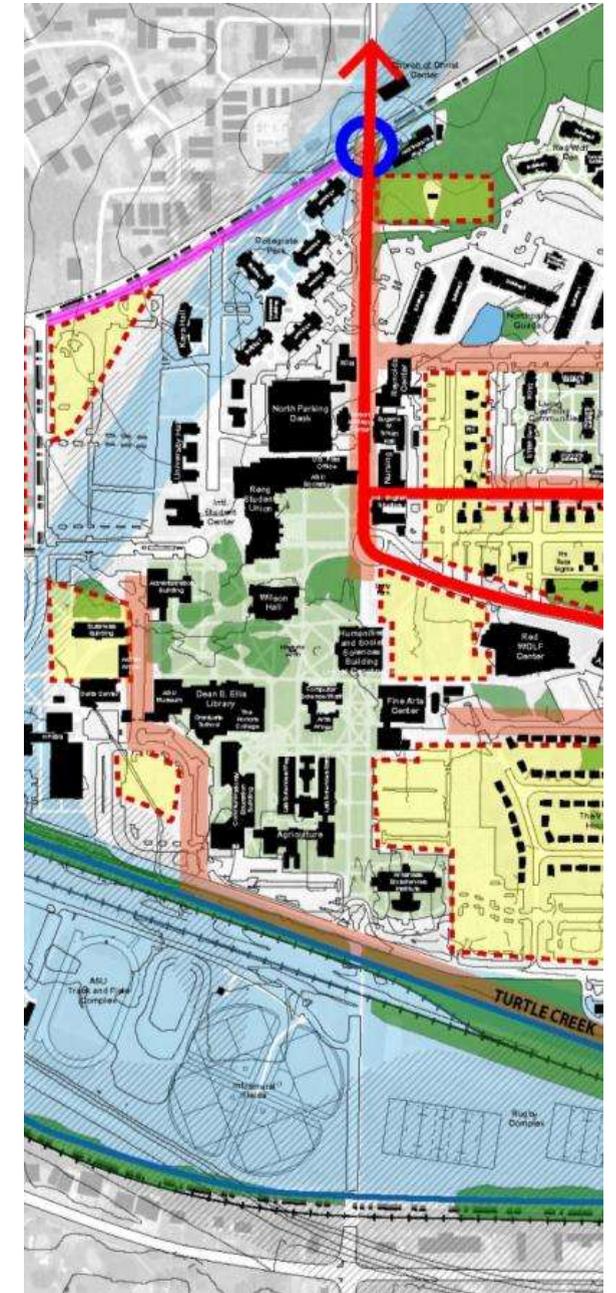
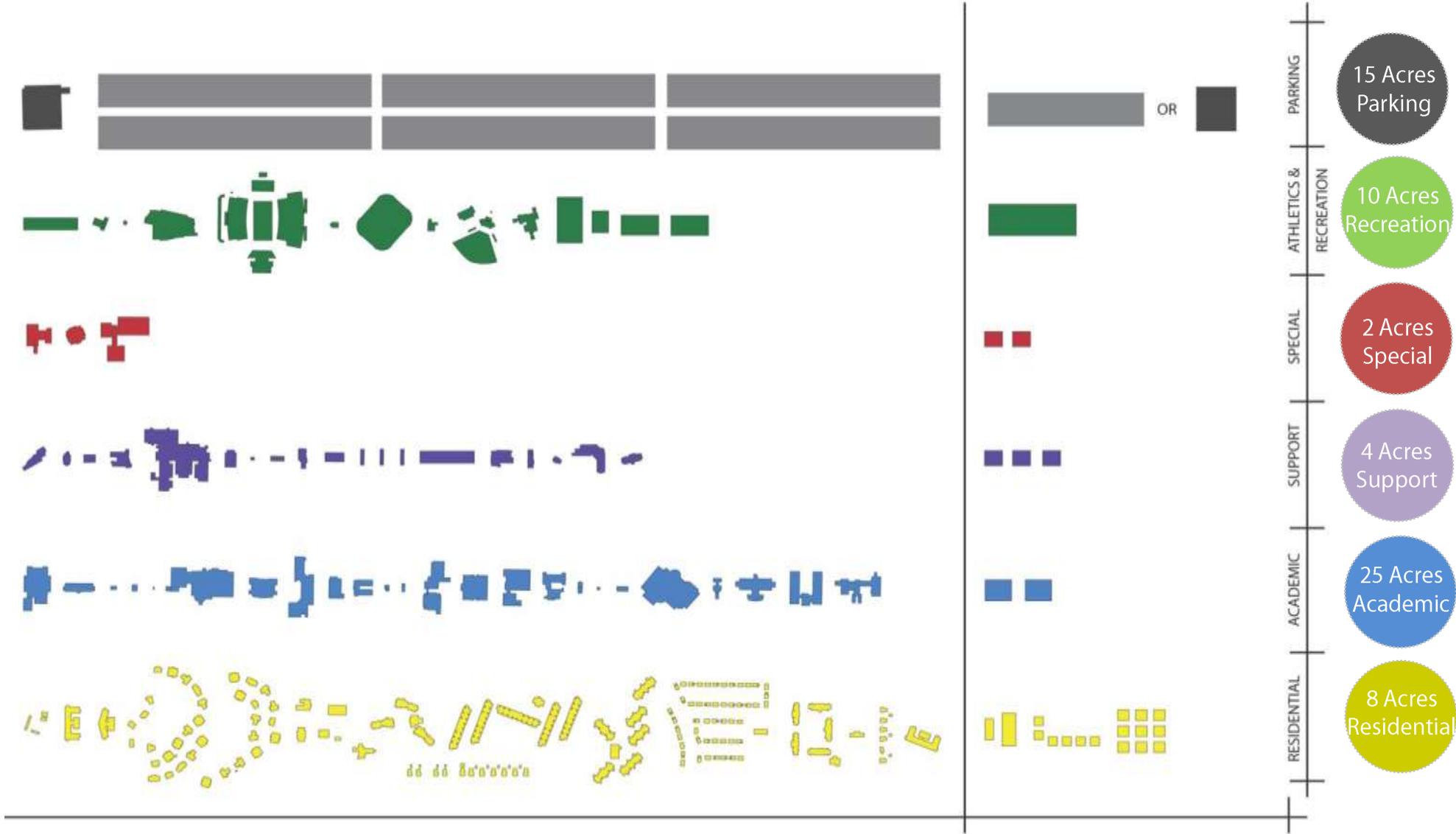
Task 2 – Analysis Phase

Campus Infrastructure Evaluation



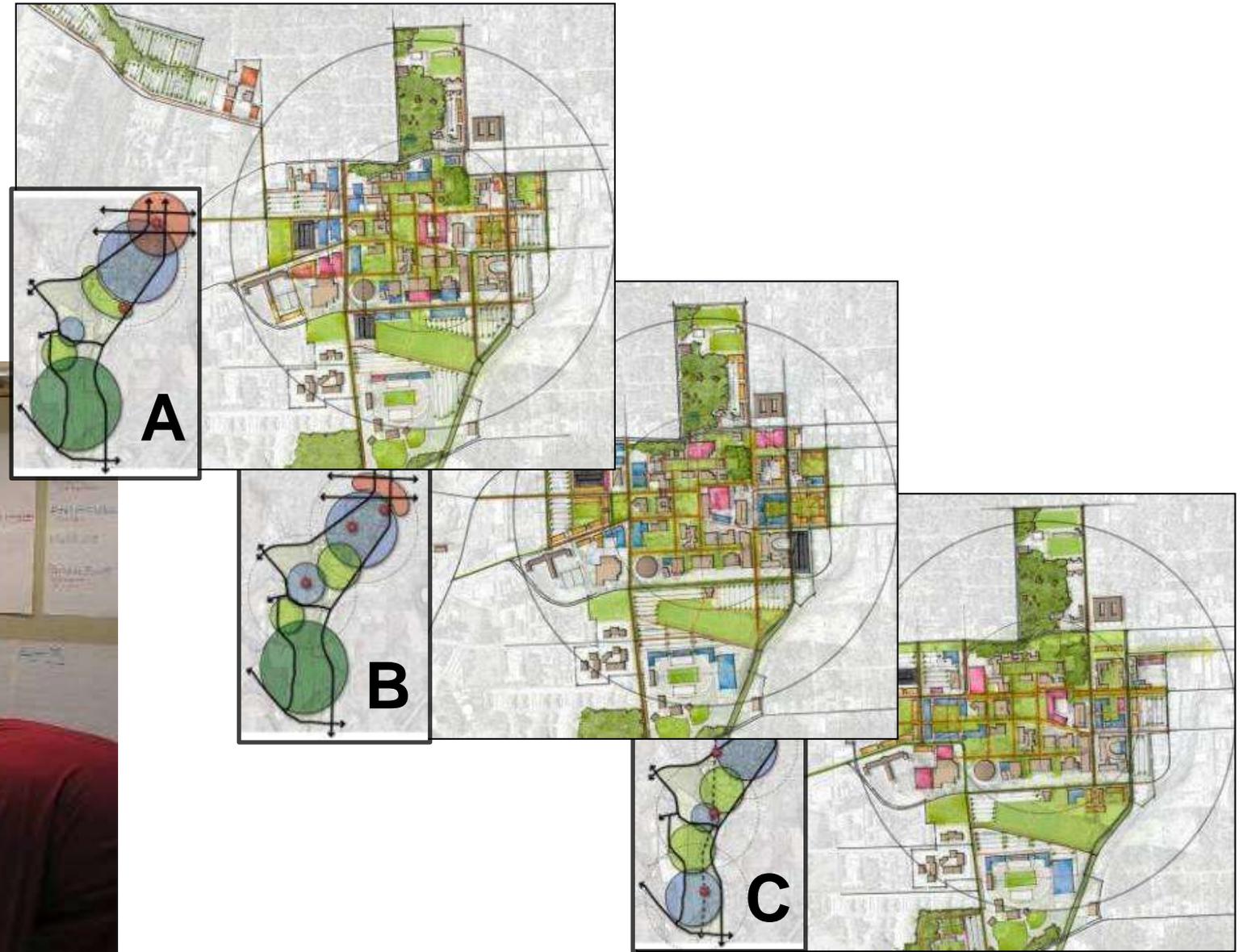
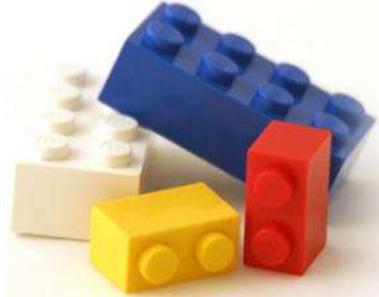
Task 3 – Idea Generation

Generating the Spatial Model



Task 3 – Idea Generation

Developing the Campus Framework



Task 4 – Refinement Phase

Preliminary Master Plan



Data Informed Metrics

	Today	Target Year
Total Campus Population	17,436	20,287
Student Headcount	15,900	18,500
Undergraduate	13,992	16,280
Graduate	1,908	2,220
Graduate Percentage	12%	12%
Faculty	751	874
Staff	785	913
Campus Area	272 ac.	272 ac.
Total Building GSF	3,377,356 gsf	4,874,564 gsf
Campus FAR	0.29	0.41
Academic GSF	2,347,939 gsf	3,423,272 gsf
Academic NASF/Student	97 nasf	120 nasf
Academic NASF	1,547,917 nasf	2,220,000 nasf
Residential Units	3,500	4,625
Residential GSF	1,029,417 gsf	1,451,292 gsf
Residential Ratio	0.22	0.25
Total Parking Spaces	5,789	6,740
Parking Ratio	3.01	3.01

Task 4 – Refinement Phase

Design Guidelines

- **Architectural Details**

Aesthetics, Character, Form, Fenestration

- **Urban Design Criteria**

Campus Structure, Open Space

- **Public Realm**

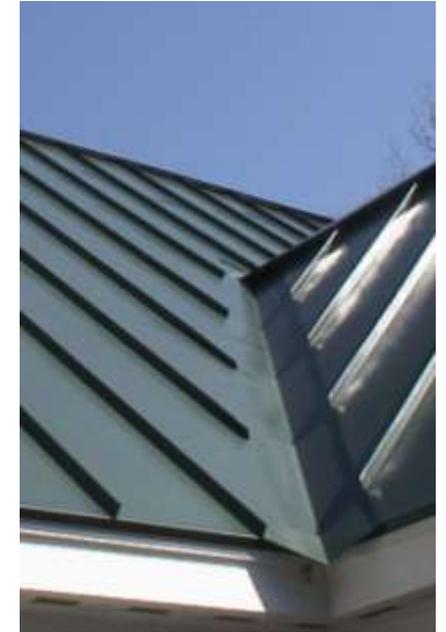
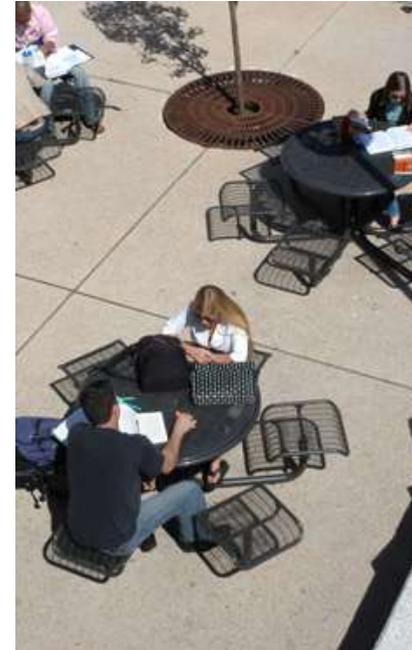
Gateways, Pedestrian Realm, Streetscape, Parking

- **Infrastructure**

Building Systems Integration

- **Materials**

Architectural, Landscape



Task 4 – Refinement Phase

Final Master Plan



Task 4 – Refinement Phase

Phasing & Implementation Plan

Balancing Goals:

- University mission
- Academic needs
- Funding opportunities
- Impact on recruiting/retention
- Required infrastructure
- Pedestrian and vehicular circulation
- University services (parking, security, egress)



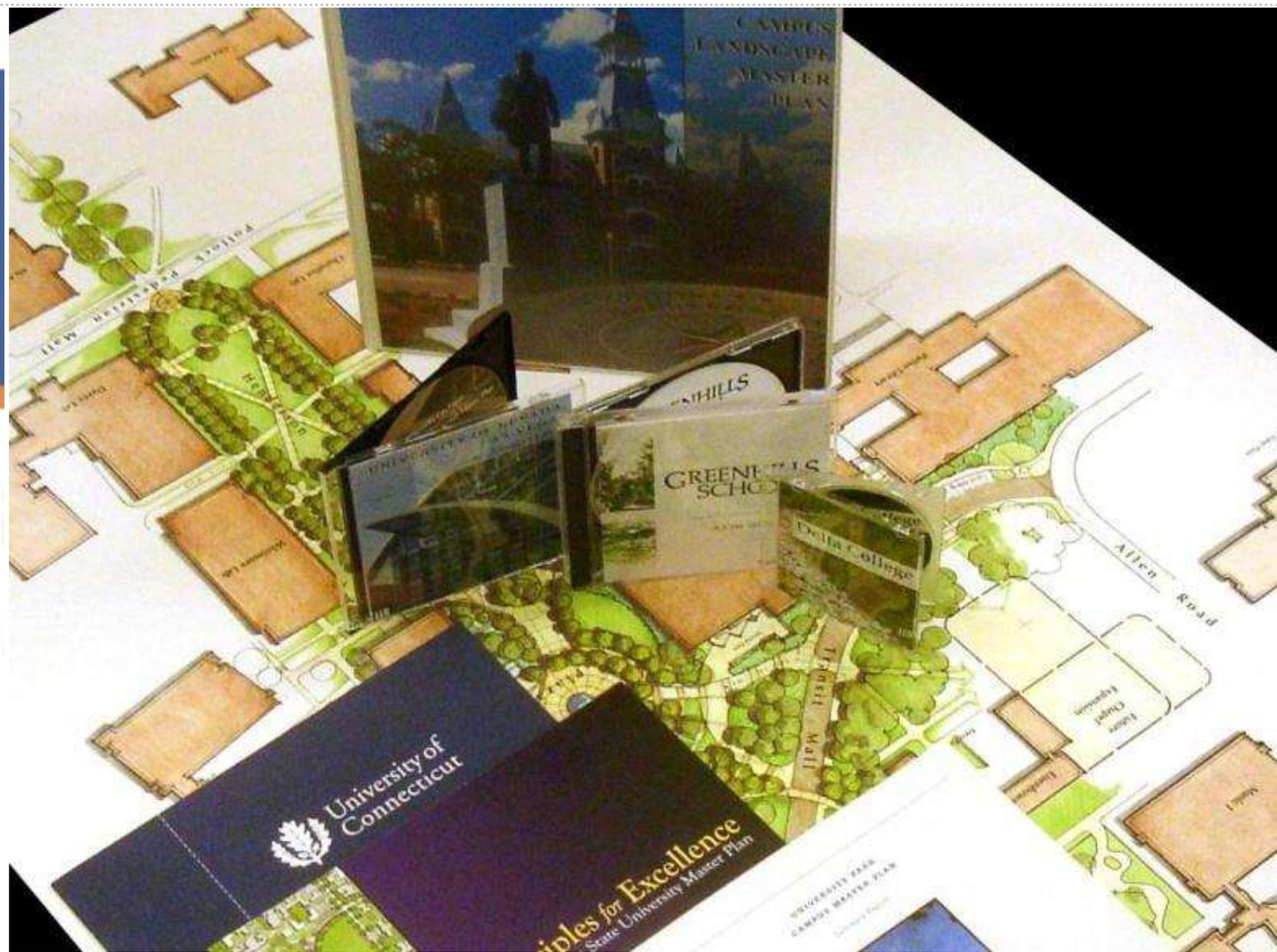
INITIAL PRIORITIES			
Project	Unit	Est. Cost	Fund*
01 Landscape improvements on DOT property		\$450,000	2,4
02 Vertical wind turbines on DOT property		\$150,000	2,3,4
03 Change one-way circulation to two-way		Not Available	1,4,5
04 Deferred maintenance		Not Available	1
05 Short-term space for IT, support services + staff		Not Available	1,5
06 Construct classroom building "C"	75,000 (SF)	\$20,400,000	1,2,3,4,5
07 Central plant for south side of campus		\$3,200,000	3
08 Geothermal for building "C"		\$1,125,000	3
09 Site work and additional parking for building "C"		\$1,500,000	1,2,3,4,5

SECONDARY PRIORITIES			
10 Construct facilities/IT building "E"	45,000 (SF)	\$9,720,000	1
11 Renovate building 10 for data center	22,000 (SF)	\$3,850,000	1
12 Removal of buildings 59,113,25,20		\$1,300,000	1,4,5
13 Renovate building 60 for student use	6,500 (SF)	\$1,000,000	1
14 Additional parking at building 20	140 (SP)	\$700,000	1
15 Renovate Distefano	14,500 (SF)	\$2,500,000	1,4
16 Remove buildings on 30th St		\$1,400,000	1

Task 5 - Documentation



Transforming Sam Houston State University
By Julia May



Tools to Inspire

