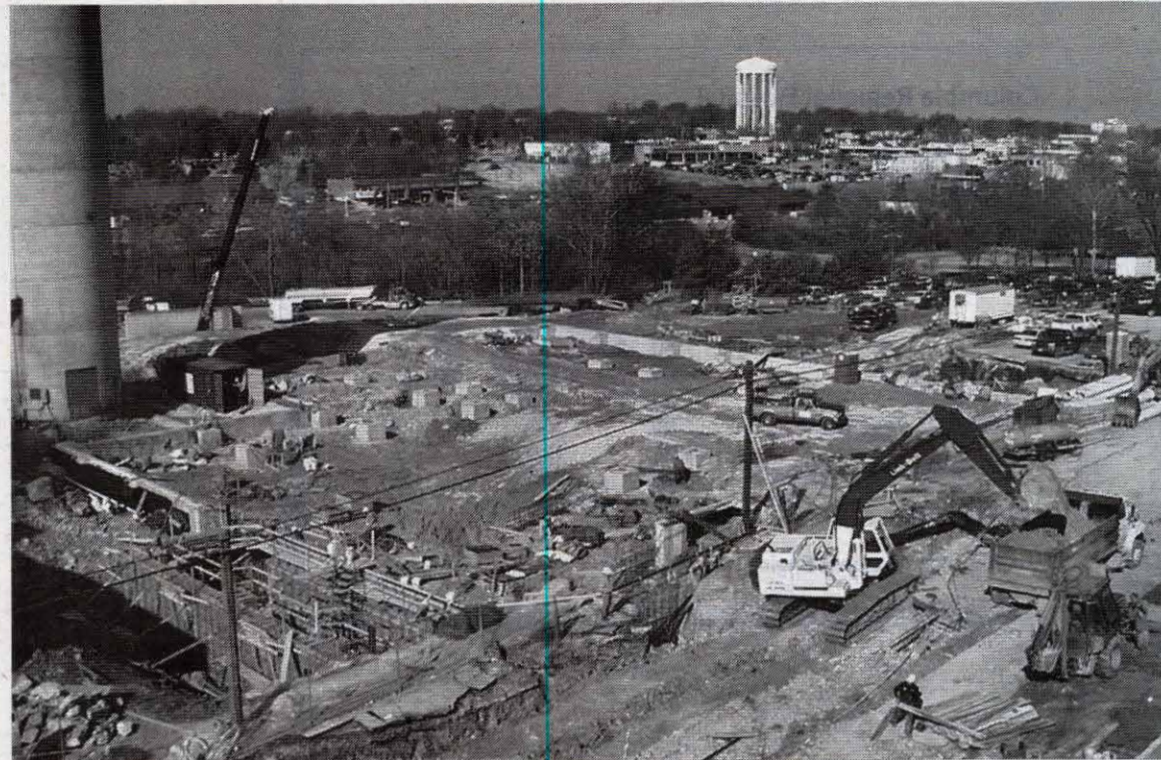


BUILDING FOR THE FUTURE



Construction on the power plant capacity addition began in October 2000 to the north of the existing plant at Fifth Street and Stewart Road. The project is scheduled to be completed by April 2002.

MU's infrastructure grows with campus

The MU campus has grown by leaps and bounds this past decade. In terms of building space in new and renovated structures, the campus has grown by some three million square feet of teaching, research, office and parking space — a whopping 25 percent increase in size in a mere 10 years.

Most recently, areas to the south and southeast of Francis Quadrangle have been filled in with new structures, and more are proposed.

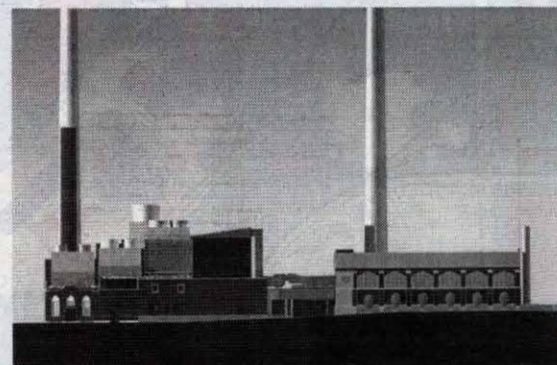
Unnoticed, however, in this recent, unprecedented growth, is the web of support that keeps the lights on, water running and temperatures comfortable in campus offices, classrooms and laboratories.

"Infrastructure is the unnoticed side of campus facilities," says Ruth Brent, chair of the MU Campus Planning Committee. "It's invisible to students, faculty, staff and guests, yet it is vitally important to keep the campus running."

The university's power plant, built in 1922, sends electricity, steam, water and chilled water through a 40-mile network of underground utility lines to buildings on campus. Each new building and renovation, however, has placed more demand on the plant's power-generating capacity. To cope with the recent building boom and address future needs, MU in October 2000 began a \$40 million expansion of the power plant. Due for completion in 2002, new equipment — and structures housing it — will increase the plant's electrical generation capacity from 40 to 65 megawatts.

"Depending on what is built in the next decade, the capacity expansion should meet the university's energy needs for another eight to 12 years," says Paul Hoemann, director of Campus Facilities' Energy Management department.

Cornell Hall, now under construction on the South Quad, will add more than 152,000 square feet to the 10 million square feet currently supported by Energy Management. The proposed Life Sciences Center will add another 250,000 square feet, while the McKee Hall expansion will increase gross square footage by 74,500. The Virginia Avenue Parking Garage will add 14,800 square feet for a new Campus Police office, 8,500 square feet for Campus Facilities' Landscape Services department and more than 1,800 parking spaces when it is completed



The \$40 million capacity addition project will increase the power plant's electricity generation capacity from 40 megawatts to 65 megawatts — enough to meet campus needs for another eight to 12 years.

in 2002. Other buildings that could increase demand for utilities in the near future include a possible new basketball arena, a proposed performing arts center and the potential expansion and renovation of student housing.

"Expanding the campus infrastructure is an important part of the Master Plan," says Perry Chapman, MU's Master Planner. "It's not just the pretty projects, like Cornell Hall, that we think about. You also have to plan for the support system that will keep the lights on in all of the buildings."

New buildings, however, are not the only reason to expand the campus infrastructure. MU's oldest buildings were erected in the late 1800s — long before modern conveniences, such as air-conditioning and computers, were invented. Utilities for these buildings need to be upgraded periodically to keep up with changing demands. The most noticeable recent upgrade was the 1998 utility-line installation on Francis Quadrangle. Workers installed new sewer and water lines to buildings on the east side of the Quad by cutting a trench through the grounds. Although this construction was an inconvenience, it paid off with improved conditions for faculty, staff and students who use the buildings.

"To have state-of-the-art technology, it takes a lot of support behind the scenes to keep us functional and ahead of the curve," says Brent. "These are sacred places to many people, and they hate to see them torn up. That's why we try to make the necessary repairs with as little disruption as possible."

CAMPUS PLANNING COMMITTEE

The Campus Planning Committee advises the vice chancellor for Administrative Services on the facility needs of the campus. Members for 2000-2001 are:

CHAIR

Ruth Brent, professor and chair of environmental design

FACULTY

Richard Hardy, associate professor of political science
Randy Miles, associate professor of soil and atmospheric sciences
R. Speer Morgan, professor of English
Charles Timberlake, professor of history
Carol Ward, associate professor of anthropology

STAFF

Harry Cooper, director, Missouri Ingenuity
Charles Johnston, senior architect
Marie Sloan, senior academic advisor

STUDENTS

Doug Little, student
Laura Moore, student

EX-OFFICIO

Kee W. Groshong, vice chancellor for Administrative Services
Jim Joy, director of Parking and Transportation
Chris Koukola, assistant to the chancellor for University Affairs
Arthur Merrick, MU Retirees Association representative
Frankie Minor, director of Residential Life
Pat Morton, director of Institutional Research
George Preckshot, professor emeritus
Robert A. Simmons, architect, University System
Alan R. Warden, assistant vice chancellor-Facilities
Sarah Colby Weaver, director of Disability Services

CAPITAL REVIEW COMMITTEE

The Capital Review Committee is charged with providing advice to the provost and vice chancellor for Administrative Services, as appropriate, on campus-level issues regarding the use of existing space, maintenance and repair of existing space, priorities for renovation of existing space, and priorities for adding new space. Members are:

CO-CHAIRS

Kee W. Groshong, vice chancellor for Administrative Services
Brady Deaton, Provost

MEMBERS

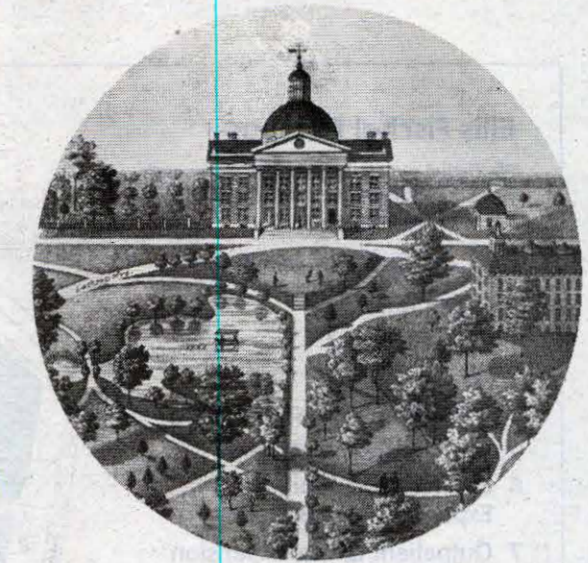
Mark Bresnahan, MSA President-elect
James Bunton, assistant vice chancellor Business Services
David Housh, assistant vice chancellor for Development and Alumni Relations
Chris Koukola, assistant to the chancellor for University Affairs
Michael Middleton, deputy chancellor
Julie Moore, Staff Advisory Council representative
Michael Nolan, professor of rural sociology
Cathy Scroggs, interim vice chancellor for Student Affairs
Benjamin Schwarz, associate professor of environmental design
Scott Shader, manager of Space Planning
Gary Smith, director emeritus
Bruce Walker, dean of the College of Business
Alan R. Warden, assistant vice chancellor-Facilities

Historical drawing, page one, reprinted with permission of University of Missouri Archives

Aerial view of campus, page one, reprinted with permission of MU Publications and Alumni Communication

Publication created and designed by Campus Facilities Communications

MU CAMPUS MASTER PLAN 2001



The University of Missouri-Columbia's Campus Master Plan is an ongoing process begun in 1980 to create optimal efficiency and aesthetic appeal in the use of campus buildings and land. A campus planning committee includes faculty, staff and students who advise the vice chancellor for Administrative Services on campus planning issues.

Since its inception, more than 50 public hearings on the plan have been held for the campus and the community. Hearings include status reports on space needs and specific projects, with accompanying visual presentations and graphics. Progress reports are presented annually in open meetings on campus.

Comments and responses that help to shape the plan are always encouraged. An open forum this year will be held at noon, March 21, in the Reynolds Alumni Center.

A central concept of the master plan is to build on the tradition of the MU campus to create a unified, efficient environment that is inviting to students and conducive to teaching, research and support services. Enhancing this tradition is the Chancellor's designation of the campus as a Botanic Garden, which extends MU's magnificent flora environment as a learning resource for the public at large. The plan also fosters strengthening cooperation between the campus and neighboring Columbia.

"As we enter the 21st century, there is an essential theme that we need to incorporate into our planning

and design ideas for the campus," said Perry Chapman, MU's master planning consultant. "That theme is 'connection.' Connection is the hallmark of great campuses. It is the creation of spaces that induce people to gather and interact in a collegial way. It is the linkage of open spaces that works to unify the campus fabric. Academic, residential and social functions are tied together by inviting pedestrian passages that enhance campus vitality and intellectual exchange."

Objectives of the plan (see box at right) are intended to help test planning and design concepts and proposals, and specific projects as they are developed. Objectives are consistent with the Board of Curator's 1981 policy statement, which also includes the goal of "maintaining and making more efficient and attractive the university's physical plant."

The master plan's objectives have helped to shape projects that have been completed and others that are under way. A project is of interest in that, as a part of the whole, it complements and reinforces existing and planned projects. With the plan as a guide, campus improvements should blend with their surroundings so as to appear to have been there from the start.

Accomplishments to date and upcoming planned objectives are shown on the inside map.

Feel free to use this supplement to comment on the plan. Simply write wherever space is available and return to Ruth Brent, chair, Campus Planning Committee, 137 Stanley Hall. Readers' comments are encouraged.



Francis Quadrangle, with its Columns and domed Jesse Hall, remains the traditional heart of MU and the focal point of an expanding campus.

PLANNING PRINCIPLES

PRIDE OF THE STATE: Express visually the functional importance of the campus to the state, nation and world.

UNIFIED TOTAL CAMPUS: Unify the campus while clarifying and revealing its dominant components.

DIVERSITY WITHIN THE UNITY: Clarify and express the variety of people on campus, their activities and heritage.

STRONG 'SENSE OF PLACE': Emphasize the distinctive and memorable qualities of the campus to entering students, faculty, and staff.

RESPECT ARCHITECTURAL INHERITANCE: Continue to accent the topographic and architectural history of the campus.

RESPOND TO CLIMATE: Design architecture and landscaping that will serve as models in similar climates.

RECRUITMENT-RETENTION AID: Stress the environmental qualities of the campus that help attract and hold students, faculty and staff.

FUNCTIONAL ADEQUACY: Provide appropriate and adequate facilities — neither constrained nor lavish — for campus activities.

ENHANCE QUALITIES OF CLOSENESS: Locate campus activities in close proximity to students and staff in order to maximize benefits to all.

ALLOW FOR THE EXPANSION OF CAMPUS ACTIVITIES: Identify ways to expand (or relocate) activities on campus.

PEDESTRIAN DOMINANCE: Maintain a pedestrian-dominant campus.

RECOGNIZE VEHICLES: Recognize and gracefully accommodate the need for vehicles on campus without interfering with the pedestrian nature of the campus.

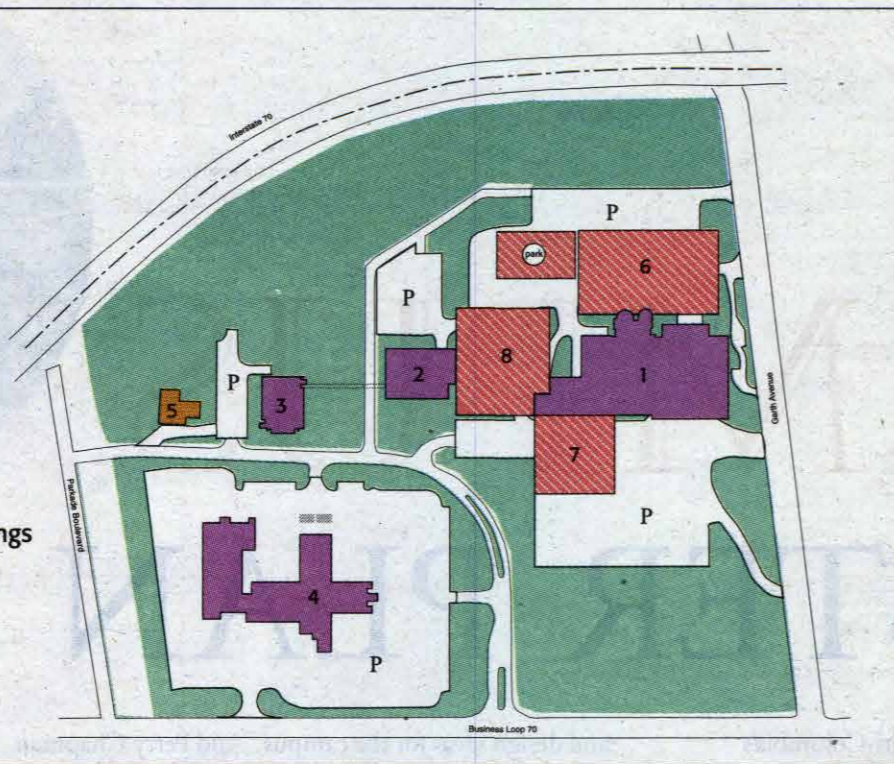
RESPOND TO ACCESSIBILITY NEEDS: Continue the tradition of providing persons with disabilities an optimal access to the campus.

RESPECT NEIGHBORS: Cooperate in achieving mutually beneficial campus and civic objectives.

Ellis Fischel Campus

Ellis Fischel campus is a five-minute drive north of the main campus, just off Providence Road and bordering Interstate 70.

- 1 Ellis Fischel Cancer Center
- 2 Green Building
- 3 Allton Building
- 4 Health South—Rusk Rehabilitation Center
- 5 Ellis Fischel Guest House
- 6 Ellis Fischel Hospital Expansion/Replacement
- 7 Outpatient Clinics Expansion
- 8 Possible Future Research Buildings

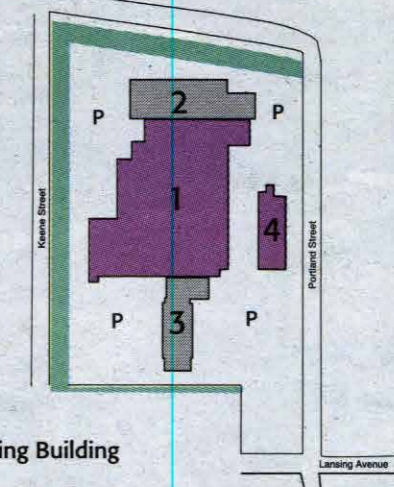


Existing Buildings

- A Jesse Hall
- B Hearnes Center
- C Ellis Library
- D Memorial Union
- E Brady Commons
- F Research Reactor
- G Heinkel Building
- H Agriculture Building
- I Reynolds Alumni Center
- J Clydesdale Hall
- K Student Recreation Center

Columbia Regional Hospital

Columbia Regional Hospital is a five-minute drive northeast of the main campus, on Keene Street, just off Rt. 63.



- 1—Columbia Regional Hospital
- 2—Keene Medical Building
- 3—Health Pavilion
- 4—Columbia Regional Engineering Building

Projects Recently Completed

- 1 Memorial Stadium Press Box Expansion
- 2 Townsend Hall Addition/Renovation

Botanic Garden Projects

- 3 Butterfly Garden
- 4 Bulb Display
- 5 Memorial Union Garden
- 6 Ellis Perennial Garden

Projects in Design or Construction

- 7 Bike Trail
- 8 Cornell Hall
- 9 Student Success Center
- 10 Emergency Room Expansion
- 11 Life Sciences Center
- 12 Virginia Avenue Parking Structure
- 13 McKee Addition/Renovation
- 14 Power Plant Addition

Botanic Garden Projects

- 15 Francis Quadrangle Gardens
- 16 South Quadrangle Gardens
- 17 Rose Garden

Projects in the Planning Stage

- 18 Basketball Arena - New or Addition/Renovation
- 19 Performing Arts Center
- 20 Student Recreation Center Expansion
- 21 Ellis Library Addition/Renovation
- 22 Providence Road Pedestrian Overpass
- 23 Residence Halls
- 24 Missouri Technology Park
- 25 Pedestrian Plaza/Mall
- 26 Indoor Tennis Pavilion
- 27 Veterinary Medicine Guest House

Botanic Garden Projects

- 28 McAlester Arboretum

University Land, largely pedestrian but including service drives and small parking areas

Existing MU buildings

Possible future structures

P Parking

Parking Garages

Major walks*

Major bikeways*

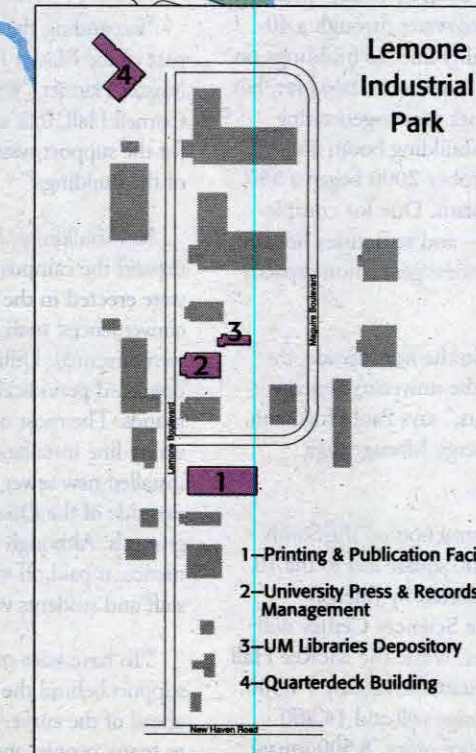
*Note: Many walkways and bikeways are shown straight for diagrammatic clarity; in actuality many will be curved and shaped to topography, planting and buildings.



DRAFT 3.1.01

Comments and questions should be sent to the Campus Planning Committee, 137 Stanley Hall. Revised edition scheduled for March 2002. For more information, see the MU Master Plan website at <http://www.cfmisouri.edu/masterplan/masterplan.htm>

Lemone Industrial Park



- 1—Printing & Publication Facility
- 2—University Press & Records Management
- 3—UM Libraries Depository
- 4—Quarterdeck Building