

ROOM TO GROW

Campus planners hold firm to MU building traditions

A remarkable tradition of campus design has guided MU's growth since the 1840s when the first buildings were constructed. This tradition has been challenged in recent years through unprecedented growth. MU's campus design legacy, however, is holding firm.

In just the last 15 years, more than one-third of the existing building space on campus came into being. Nowhere is this more evident than in the area of the South Quad, which itself didn't exist until 1990.

The South Quad is now framed on the west by the four-story Reynolds Alumni and Visitors Center and by Cornell Hall, the new five-story home of the College of Business, and on the east by Hulston Hall, which links the South Quad to the Arts & Sciences Mall.

East on Rollins Street, another new campus space is being shaped by the four-story Anheuser-Busch Natural Resources Building and, now under construction, the five-story Life Sciences Center. Across Rollins Street, the Virginia Avenue Housing & Dining Facility will cover almost eight acres.

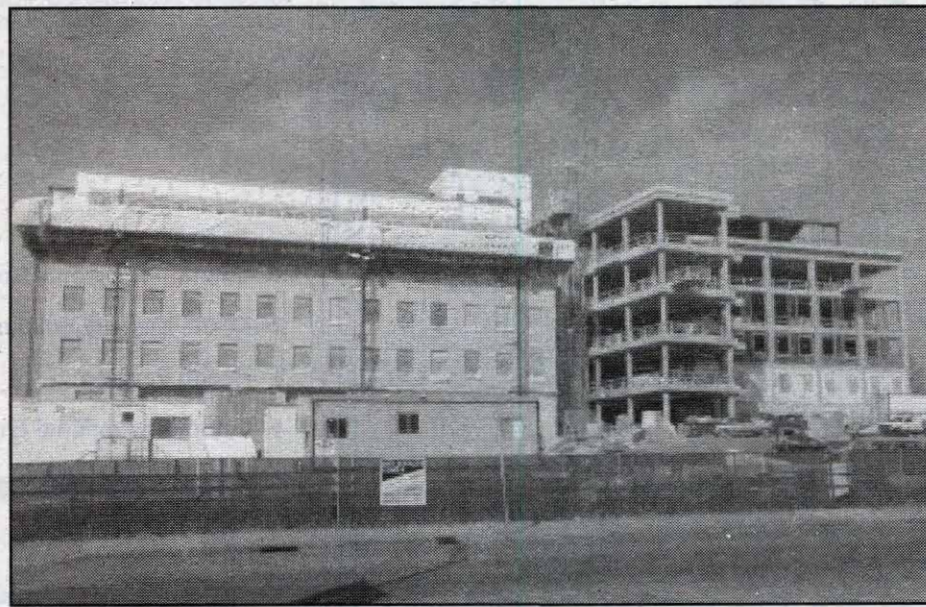
All testify to the size and scale of new academic and residential buildings filling in the central campus area where collegiate activity is concentrated. Academic buildings are larger, while new residence facilities reverse the trend of mid-rise structures built profusely in the 1960s.

The changing nature of the buildings testifies that central campus land is in short supply, a change very much on the minds of MU's campus planners.

"Campus development has reached the point where every single building-site decision must be undertaken with the utmost prudence," said Perry Chapman, MU's master campus planner, and a principal with Sasaki Associates in Boston.

For MU's future growth, Chapman is stimulating discussion on strategies for maintaining collegiate proximity and user-flexibility in academic and support space.

Ruth Tofle, chair of the Campus Planning Committee (Facilities and Grounds), said, "Perry Chapman is instrumental in orchestrating planned change. He invites wide participation and asks good questions. Within our established planning principles (see box on page 1), our committee has broad representation and plays a critical role in the evolution of our campus."



The Life Sciences Building, a \$60 million facility in MU's "academic core," at full occupancy will have a combined workforce of about 350 people and serve as a physical and virtual center fostering and catalyzing interdisciplinary research and education in the life sciences. LSC faculty will contribute to interdisciplinary research teams, but retain academic homes in Agriculture, Food and Natural Resources, Arts and Science, Engineering, Health Sciences, Human Environmental Sciences and Veterinary Sciences. Such proximal academic relationships are a major factor guiding MU's campus planners.

The building, scheduled to open March 2004, testifies to the size and scale of new campus buildings filling in the central campus area where collegiate interaction is concentrated.

New sites in the central area need to be reserved for academic, academic support, research, and common uses needing a central location. Proximal relationships between and among academic and community life functions will always be a major criterion for locating new facilities.

New Potential Growth Sectors

Campus planners believe there is potential capacity for significant facilities growth on land in and near the central campus — MU's "academic core" — if future building sites are developed that complement open-space fabric and a pedestrian environment on campus.

Potential building sites include surface parking lots and open land in the central campus area that are deemed better suited for more intensive use in the future. Sites suitable for redevelopment and new buildings include sites occupied by one-story buildings; structures dedicated to non-core functions; or buildings that are impractical to renovate. Accounting for the replacement or relocation of facilities displaced by new buildings is essential.

Potential structures in the academic core could increase space capacity by over one million gross square feet, based

on an average of four stories per building.

South of the academic core is the largest contiguous growth-area adjacent to the central campus. Bounded by College Avenue, Maryland Avenue, and Stadium Boulevard, the area, which includes the medical center, several residence halls and large parking tracts, possesses an estimated building potential of about 2 million gross square feet suitable for uses that need to be close to, but not necessarily within, the academic core.

The potential building area in these two central sectors exceeds 3 million GSF — nearly a fifth of MU's existing building space of 15.2 million GSF, or about 40 per cent of all space built since 1960, including academic buildings, parking structures, residence halls, sports and medical facilities.

Under discussion, then, is the basic question of where and how future growth capacity should be directed. In adding building space, the overriding consideration is the improvement of the functional and aesthetic character of the campus as a place for learning, research, living, working, and community life, a tradition of sound campus design that must be continued.

CAMPUS PLANNING COMMITTEE

The Campus Planning Committee advises the vice chancellor for Administrative Services on the facility needs of the campus. Members for 2002-2003 are:

CHAIR

Ruth Tofle, professor and chair of environmental design

FACULTY

William Bondeson, professor of philosophy
Rebecca Graves, educational services librarian
Randy Miles, associate professor of soil and atmospheric sciences
R. Speer Morgan, professor of English
Carol Ward, associate professor of anthropology

STAFF

Jamie Melchert, circulation manager
Terry McClure, reactor operator
Marty Walker, director of administrative services — Engineering

STUDENTS

Chad Christianson, student
India Jones, student
Rebecca Ory-Hernandez, graduate student

EX-OFFICIO

Larry Edwards, interim assistant vice chancellor-Facilities
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
Osmund Overby, professor emeritus
Robert A. Simmons, architect, University System
Sarah Colby Weaver, director of Disability Services

CAPITAL REVIEW COMMITTEE

The Capital Review Committee is charged with advising, as appropriate, the provost and vice chancellor for Administrative Services 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:

CHAIR

Brady Deaton, Provost

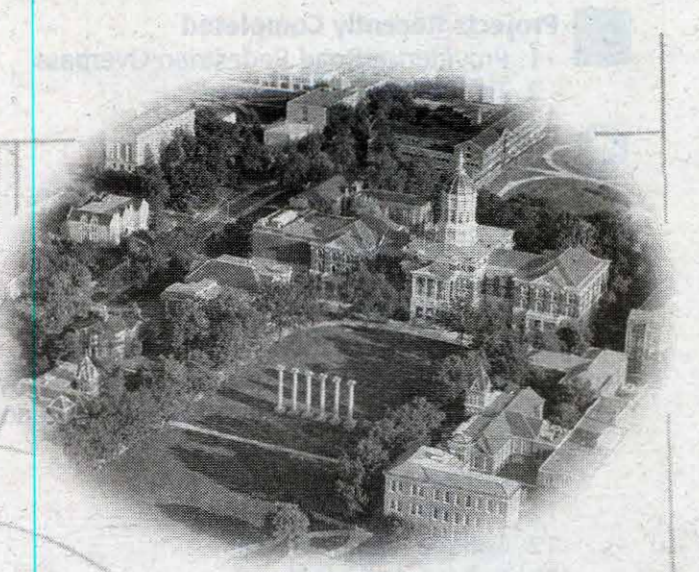
MEMBERS

Sam Babalola, director of student activities-MSA/GPC
Jason Blaisdell, Staff Advisory Council representative
Larry Edwards, interim assistant vice chancellor-Facilities
David Housh, vice chancellor for Development and Alumni Relations
Jackie Jones, interim vice chancellor for Administrative Services
Chris Koukola, assistant to the chancellor for University Affairs
Michael Middleton, deputy chancellor
Michael Nolan, professor of rural sociology
Cathy Scroggs, vice chancellor for Student Affairs
Scott Shader, director of Space Planning & Management
Gary Smith, director emeritus
Bruce Walker, dean of the College of Business

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

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MU CAMPUS MASTER PLAN 2003



The University of Missouri — Columbia's Campus Master Plan is an ongoing, interactive planning process begun in 1980 to create optimal efficiency and aesthetic appeal in the use of campus buildings and land.

The goal of the Master Plan is the creation of a unified, efficient environment that is inviting to students and conducive to MU's mission of teaching, research and public service. The master plan process derives from planning concepts formulated in 1841 and 1872 — accommodating the growth of academic studies on a still-young campus; 1892 — the erection of a wholly new campus to replace the burned Academic Hall; 1907 — "improving and beautifying the university grounds"; 1954, 1957 and 1970 — accommodating an expanding student enrollment; and, after obtaining the permanent services of a consultant campus master planner, the Board of Curators' 1981 policy statement of the goal of "maintaining and making more efficient and attractive the university's physical plant."

A Campus Planning Committee (Facilities and Grounds), made up of faculty, staff and students, along with nationally recognized campus planning consultant, Perry Chapman, of Sasaki Associates, Boston, with the support of Campus Facilities administration, project planners and designers, today uphold this goal and oversee campus planning.

"We developed design principles this past year to ground and guide design efforts," said Ruth Tofle, professor and chair of environmental design and chair of the CPC. "Philosophical in nature, our *Design Principles: The Campus, the Buildings, and the Space Between*, captures MU's 'sense of place,' builds upon our architectural legacy and address legibility, and structures our design identity for the visual harmony of our campus." (See <http://www.cf.missouri.edu/pdc/DP%20final%204.29.02.pdf>)

Planning principles (see box below) help guide the CPC, consultant and Campus Facilities' administration, planners and designers in developing campus concepts and project proposals. Projects are evaluated for the manner in which they complement and reinforce existing and planned projects. With planning principles as a guide, campus improvements should blend with their surroundings so as to appear to have been there from the start. Projects accomplished to date, projects being designed or under construction, and those in the planning stage are shown on the inside map.

Campus development is now at the point where change threatens to overtake MU's historic building traditions; planners are now carefully seeking to sustain the integrity of those traditions — ideas of order and scale that set the tone for today's campus.

"A dynamic institution, the university continues to build on 'continuity and change,'" observes Chapman. "New facilities will continue to be necessary to accommodate change, sustain the university's competitive edge, and maintain the basic quality of the academic endeavor. The significant fact about future growth, however," he adds, "is that the campus has reached the point in its development where, to maintain continuity of tradition, every single building-site decision has to be undertaken with the utmost prudence."

Campus community and public input into the Master Plan is essential. Since its inception, nearly 60 public Master Plan hearings have been held on campus seeking input to help shape the plan and to update the campus community and public on past, present and future projects.

This year's public forum will be held at noon, April 9, in Columns D & E, at Reynolds Alumni Center.

Your input is critical. Please attend the forum and give voice to your thoughts and ideas. If you cannot attend, then please note your comments on this supplement on any aspect of campus planning, and forward it, or any planning correspondence, to Ruth Tofle, chair, Campus Planning Committee, 137 Stanley Hall, telephone 882-6035, email: TofleR@missouri.edu.

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: Create and maintain campus settings that bring together the diversity of people, heritages and culture.

STRONG 'SENSE OF PLACE': Make the campus a distinctive and memorable place for all members of the University community and for the citizens of Missouri.

RESPECT ARCHITECTURAL INHERITANCE: Design buildings to respect the scale, materials and textures embodied in the historic architecture of the campus.

RESPOND TO CLIMATE AND ENVIRONMENT: Design buildings and landscapes to be compatible with the regional environment and to conserve natural resources.

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 functions in close proximity to enhance learning, research and social interaction.

ALLOW FOR PRUDENT EXPANSION OF CAMPUS FUNCTIONS: Provide for facilities expansion in ways that effectively utilize limited land resources.

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.

REINFORCE THE UNIVERSITY MISSION: Organize facilities and places so as to reinforce the University's educational mission.

- Projects Recently Completed**
- 1 Providence Road Pedestrian Overpass
 - 2 Tiger Plaza

- Botanic Garden Projects**
- 3 Daylily Garden

- Projects in Design or Construction**
- 4 Basketball Arena
 - 5 Life Sciences Center
 - 6 Student Recreation Center Expansion
 - 7 Virginia Avenue Housing & Dining Facility
 - 8 Dalton Research Center Expansion/Renovation
 - 9 Outdoor Tennis Courts
 - 10 McKee Addition/Renovation
 - 11 Southwest Campus Housing
 - 12 College Avenue Bridge
 - 13 College Avenue Housing

- Botanic Garden Projects**
- 14 Hosta Collection
 - 15 Container Garden at South Jesse Plaza
 - 16 Perennial Phlox Garden
 - 17 Peony Garden
 - 18 Asiatic & Oriental Lily Garden

- Projects in the Planning Stage**
- 19 Engineering Building East Addition/Renovation
 - 20 Ellis Library Addition/Renovation
 - 21 Technology Incubator Center
 - 22 Pedestrian Plaza/Mall
 - 23 Veterinary Medicine Guest House
 - 24 Medical Research Facility
 - 25 Visitors Center
 - 26 Performing Arts Center
 - 27 Center for Comparative Medicine
 - 28 Swine Facility
 - 29 Biosafety Level 3 Facility
 - 30 Spay/Neuter Clinic

- Botanic Garden Projects**
- 31 McAlester Arboretum
 - 32 Life Sciences Discovery Garden
 - 33 Native Missouri Tree Collection

- University land, largely pedestrian but including service drives and small parking areas
- Existing MU buildings
- Possible future structures
- P Parking
- (P) 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.

Ellis Fischel Campus

Ellis Fischel campus is located about two miles northwest of the main campus on Business Loop 70 at Garth Avenue.

- 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

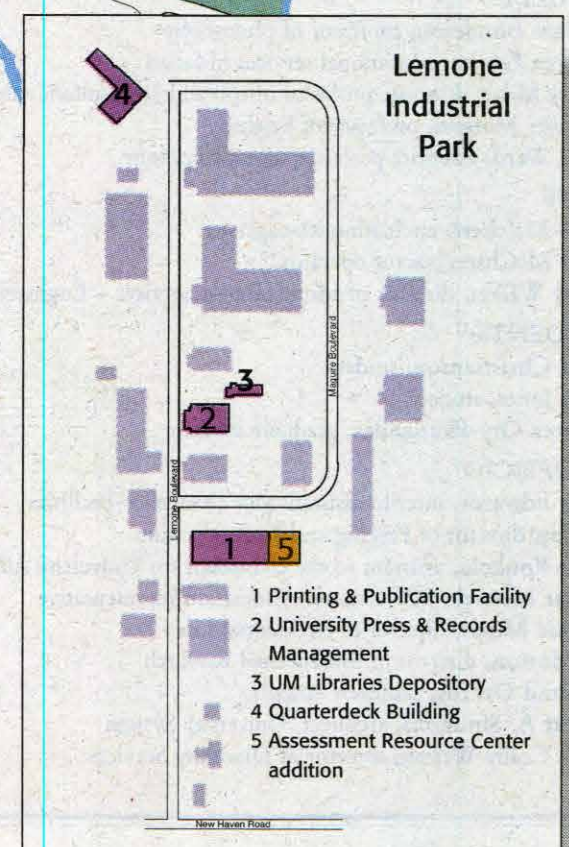
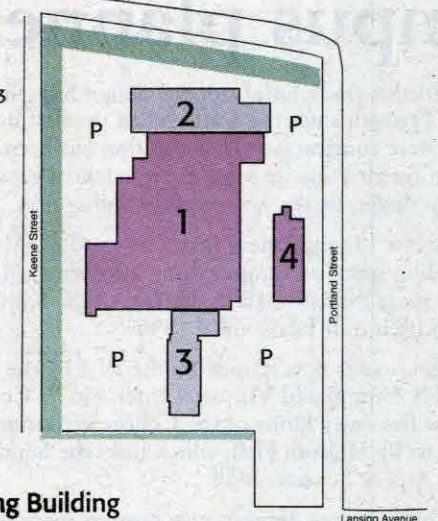
Existing Buildings

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

Columbia Regional Hospital

Columbia Regional Hospital is located about four miles northeast of the main campus on Keene Street, just off Hwy. 63

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



DRAFT 4.1.03

Comments and questions should be sent to the Campus Planning Committee, 137 Stanley Hall. Revised edition scheduled for March 2004. For more information, see the MU Master Plan website at <http://www.cf.missouri.edu/masterplan/masterplan.htm>