

Sustainable campus: putting appropriate density to work

The word “density” as a planning term might conjure images of crowded, overpowering buildings. Appropriate density for a campus, however, can achieve a “human-scaled” balance between buildings and the pedestrian open spaces framed by the buildings.

The compact layout of Mizzou’s historic Red and White Campuses is an example of appropriate density – two- to four-story buildings framing a series of pedestrian spaces, no space so large that people can’t be recognized from across the space. Such an arrangement provides for meaningful landscape amenity, spontaneous human contact, and efficient use of campus land resources – all attributes of the sustainable, compact campus. The historic central campus contains substantial building area (nearly 4 million square feet) within easy walking distance, while sustaining the sense of human scale and vitality.

The MU Campus Master Plan maintains the lessons of the historic area in several ways. Within this area, strategic building additions will complete the architectural edges of important open spaces, and currently underutilized building sites will be upgraded by redevelopment.

East Campus’ density will be compact, comparable to that of the central campus area organized around landscaped spaces. The Southeast Gateway is designated for higher-density facilities, proximate to the urban scale of the Health Sciences Complex, and public access from Stadium Boulevard and College Avenue.

Minimum and maximum density criteria have been set to ensure that each university district effectively uses its land and infrastructure resources, while maintaining a campus character appropriate to the uses built in each district. Rigorous architectural and landscape design guidelines will be applied to preserve the spatial integrity of the campus as we move forward with MU’s master planning process.

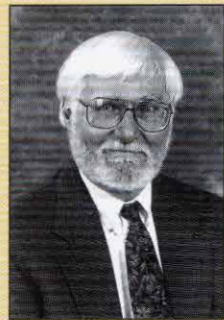


East Campus and Southeast Gateway density patterns will be similar to those found on the White and Red campuses.

2010 last MU master plan for Chapman

Perry Chapman’s tenure as the University of Missouri’s master planner comes to an end with this 2010 master plan.

Chapman has helped shape the university since 1998, when he replaced MU’s first master planner, Jack Robinson, who served MU from 1981 until his death in 1997.



“Perry’s accomplishments at MU are many, but I think 10, 20 years from now, we will all remember him most for unifying the various sections of the campus through planned green space and defining MU’s sense of place,” said Gary Ward, assistant vice chancellor-facilities.

While the university’s land acquisitions have not grown considerably in the past 12 years, square footage has increased by 28 percent. It was under Chapman’s direction that the Bond Life Sciences Center, Mizzou Arena, Reynolds

Journalism Institute and four new residential housing complexes took shape.

Upon completion of the Patient Care Tower in 2013, the “Mid-Campus corridor,” as Chapman refers to the green space beyond the Student Recreation Center, will connect the Health Sciences Complex with the rest of the campus.

“By prudently blending open spaces, pedestrian corridors and a compact mix of uses, the Mid-Campus neighborhood will become a vital, more integrated link between areas of the university,” Chapman said. Plans for Mid-Campus include renovating Pershing Commons and developing a pedestrian plaza as a “neighborhood park.” Long-range plans call for these “junction points” to be pedestrian passageways from the traditional campus north of Rollins to the Southeast Gateway.

MU looks forward to building upon the foundation Robinson and Chapman laid over nearly 30 years with direction from the newly named campus master planner, Linda Eastley.

Linda Eastley named MU’s master planner

Linda Eastley, a principal with Sasaki, in Boston, will replace Perry Chapman as MU’s campus master planner.

Eastley is eager to begin working with Mizzou administrators, faculty, staff and students to build upon what Jack Robinson and Chapman have accomplished since the MU Campus Master Plan began in 1981.

Eastley earned a bachelor’s degree in landscape architecture with an emphasis in architecture from Cornell University, and a master’s in urban design and planning from Harvard’s Graduate School of Design. She is a member of the Society of College and University Planners, and in the mid-1990s she helped develop a methodology for

evaluating campus space through the lens of strategic priorities and program needs.

“It is exciting to join the University in its commitment to achieve carbon neutrality. The University’s ongoing master planning process allows for tangible actions to reduce greenhouse gases, to enhance natural resources and to prompt behavioral changes. These planning efforts, combined with numerous campus initiatives already in motion, will further elevate the distinction the campus holds as a leader in sustainability,” Eastley said.

Eastley, in her 14 years at Sasaki, has worked on more than 50 college and university master plans, including the University System of Georgia,



Boston College, and the University of Missouri-St. Louis. With a research focus in sustainable stewardship, Eastley’s input will be valuable as MU establishes the Sustainability Office and develops its climate action plan.

From front

War I, Tate Hall served as the MU Law School until 1988. It now houses the English department.

The link between the 1927 structure and the 1957 addition will be demolished and a new connecting link will provide accessible entrances, a new elevator, improved circulation and interaction spaces.



An architectural rendering includes the south-side addition to Switzler Hall.

Oldest academic hall has many needs

Switzler Hall is a 20,759 gsf, four-level brick structure built in 1871 on the northwest corner of Francis Quadrangle. Switzler Hall, also known as Scientific Hall/Agriculture Hall, is the second oldest structure on campus (only the Chancellor’s Residence is older) and the oldest classroom building. Named for William F. Switzler, editor and publisher of the Missouri Statesman and a supporter of the university, Switzler houses the communication

department and College of Arts and Science Special Degree Programs.

A small addition on the southwest side of the building will provide four additional classrooms. The new space also will include an accessible grade-level entry, an elevator and stair enclosure. The total square footage of the building will increase to 28,086 gsf.

The master planning process is

critical to prioritizing campus stakeholders’ needs. In today’s economic climate, it makes better fiscal sense to meet current needs by repairing and renovating existing space.

“We’re fortunate to be able to make outdated buildings new again by addressing critical repairs while renovating spaces for today’s technologies and educational needs,” said Gary Ward, assistant vice chancellor-facilities. “The MU Campus Master Plan provides an objective view and helps us to identify and realize common goals over time.”

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2010 CAMPUS MASTER PLAN

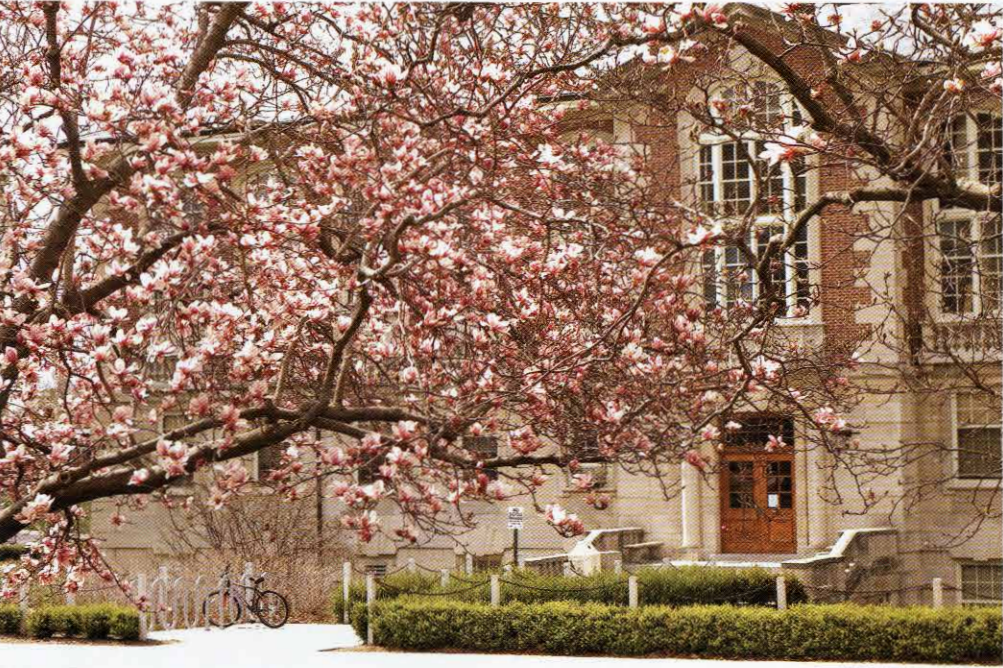
Tate and Switzler renewal under way

In the 2009 Campus Master Plan, Switzler and Tate halls were at the top of Campus Facilities list for deferred maintenance/critical repairs to educational and general space. When bond funding for critical repairs became available in June, these two buildings, built in 1871 and 1927, respectively, were chosen to receive their first-ever major renovations to address deferred maintenance, meet new code requirements and provide occupants’ new, state-of-the-art facilities in historical structures. Both projects will be completed in June 2011 and ready for classes that fall.

“By addressing critical needs of Tate and Switzler, we’re also able to better use existing space and increase the number of classroom seats by 270 and the number of faculty offices by 30, both priorities for the Provost’s office,” said Bobb Swanson, Campus Facilities-Planning, Design & Construction’s assistant director. “Both projects are prime examples of sound sustainable stewardship.”

Both projects will replace existing mechanical, plumbing, electrical and telephone systems that are beyond their useful life and increase life safety, by installing new fire protection, fire alarm and security systems.

Tate Hall is a 45,250 gross square foot, four-level brick-and-stone structure located on the corner of Conley Avenue and Ninth Street, just southeast of Jesse Hall. Named for Lee H. Tate, a graduate of the MU Law School who died in World



Renovating Tate Hall will allow for additional, modern classroom and office space for the English department.

Sustainability a priority at Mizzou

MU takes seriously its role as a leader in environmental and sustainable stewardship. University administration considers the Campus Master Plan a primary effort in optimizing the use of renewable resources, existing facilities, land and infrastructure, while fostering an institutional culture that lives by the ethics of sustainability.

Reduce, reuse and recycle are common terms on campus, especially in tight budgetary times. But documenting sustainability efforts is now more commonplace since Chancellor Brady Deaton announced

the April 2009 opening of the University of Missouri Sustainability Office.

For example, more than 150 items, including three hand-sanitizer dispensers, one long, antique, cast-iron sink, and 12 exit signs were salvaged from Switzler Hall and will be used elsewhere on campus or sold through Surplus Property. When a construction contract is awarded for the critical repair and renovation project, the contractor also will be required to recycle — metal, wood, and other building materials, along with cardboard and other packaging.



Campus Master Plan

Main Campus

Projects Recently Completed

- 1 Stankowski Field replacement
- 2 Bike lane and route marking (Phase I)
- 3 Lafferre Hall addition/renovation (Phase I)
- 4 Missouri Orthopaedic Institute
- 5 Taylor Stadium addition/renovation
- 6 MURR Receiving Building

Mizzou Botanic Garden Project

- 7 Plant evaluation site
- 8 Hosta Collection
- 9 Stephens Pond site improvements

Projects in Design or Construction

- 10 Power Plant upgrades
- 11 Steam Tunnel upgrade
- 12 MU Psychiatric Center - Second Floor
- 13 Gymnastics and Dance Practice Facility
- 14 Student Center/Brady Commons renovation (Phase II)
- 15 Rollins Group renovation
- 16 University Hospital Patient Care Tower
- 17 Hinkson Creek bridge [City of Columbia project]
- 18 Bike lane and route marking (Phase II)
- 19 Stadium Boulevard sidewalks [GetAbout Columbia project]
- 20 Children's Hospital renovations [Columbia Regional Hospital]
- 21 Thompson Center for Autism and Neurodevelopmental Disorders
- 22 Animal Resource Center
- 23 Switzler Hall
- 24 Tate Hall

Existing Buildings

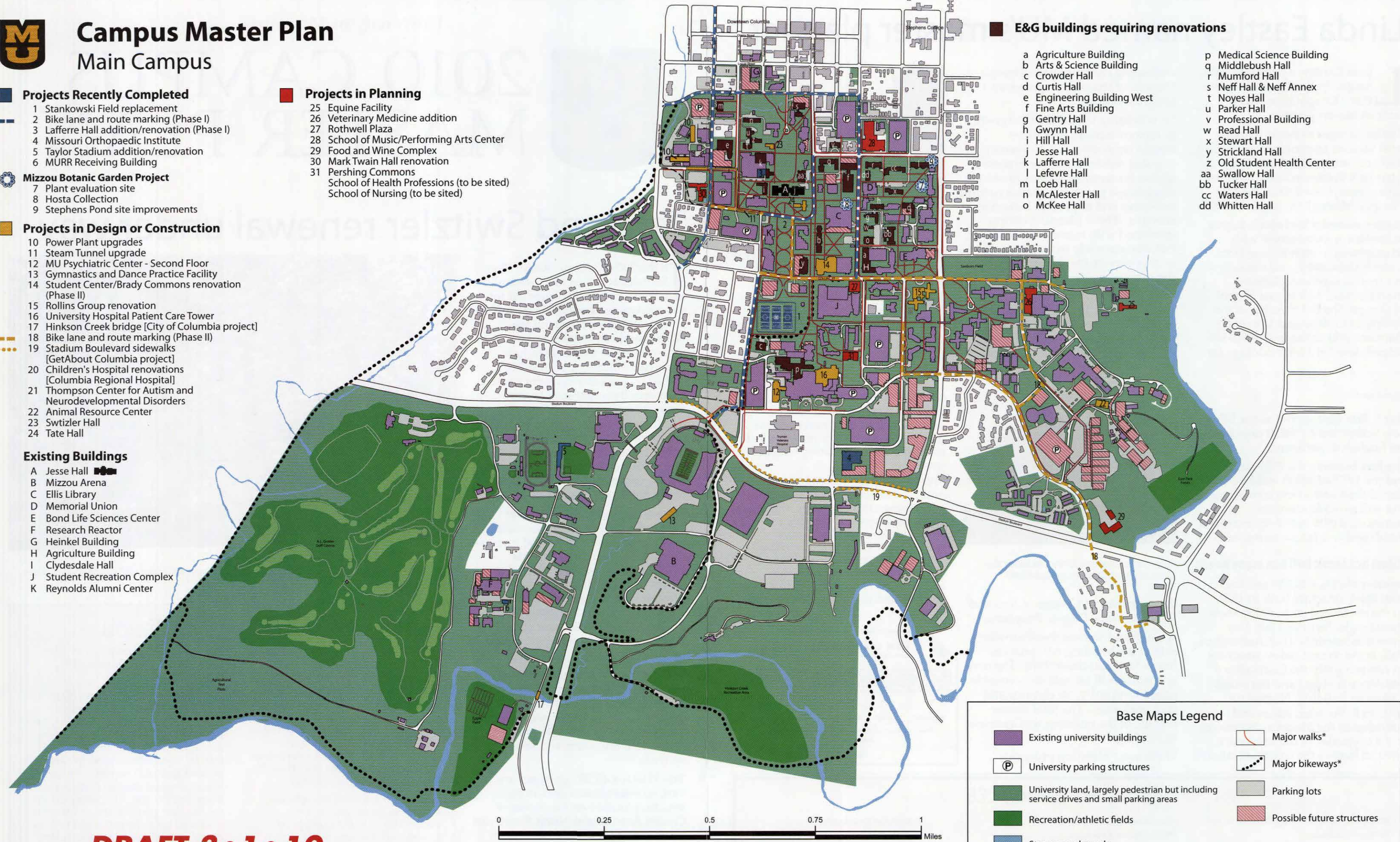
- A Jesse Hall
- B Mizzou Arena
- C Ellis Library
- D Memorial Union
- E Bond Life Sciences Center
- F Research Reactor
- G Heinkel Building
- H Agriculture Building
- I Clydesdale Hall
- J Student Recreation Complex
- K Reynolds Alumni Center

Projects in Planning

- 25 Equine Facility
- 26 Veterinary Medicine addition
- 27 Rothwell Plaza
- 28 School of Music/Performing Arts Center
- 29 Food and Wine Complex
- 30 Mark Twain Hall renovation
- 31 Pershing Commons
- School of Health Professions (to be sited)
- School of Nursing (to be sited)

E&G buildings requiring renovations

- | | |
|-----------------------------|-----------------------------|
| a Agriculture Building | p Medical Science Building |
| b Arts & Science Building | q Middlebush Hall |
| c Crowder Hall | r Mumford Hall |
| d Curtis Hall | s Neff Hall & Neff Annex |
| e Engineering Building West | t Noyes Hall |
| f Fine Arts Building | u Parker Hall |
| g Gentry Hall | v Professional Building |
| h Gwynn Hall | w Read Hall |
| i Hill Hall | x Stewart Hall |
| j Jesse Hall | y Strickland Hall |
| k Lafferre Hall | z Old Student Health Center |
| l Lefevre Hall | aa Swallow Hall |
| m Loeb Hall | bb Tucker Hall |
| n McAlester Hall | cc Waters Hall |
| o McKee Hall | dd Whitten Hall |



Base Maps Legend

Existing university buildings	Major walks*
University parking structures	Major bikeways*
University land, largely pedestrian but including service drives and small parking areas	Parking lots
Recreation/athletic fields	Possible future structures
Streams and ponds	

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

Regional Overview



Additional Information

MU CAMPUS MASTER PLAN ONLINE:
<http://www.cf.missouri.edu/masterplan>

The 2010 Campus Master Plan public forum will be at 1:30 p.m.,
Thursday, March 18, in Columns D&E in the Reynolds Alumni Center.
Reception following in the Great Room, Reynolds Alumni Center

DRAFT 3.1.10

Comments and questions should be sent to the chair of the Campus Planning Committee,
e-mail address: ClarkeRB@missouri.edu.
Revised edition scheduled for March 2011. For more information, see the MU Campus
Master Plan Web site at <http://www.cf.missouri.edu/masterplan/>.