Central Grounds Update
November 11, 2010

Grounds Plan
Precinct Planning
Capital Projects
Infrastructure
Transportation Demand Management
Sustainability
Garrett Hall | Frank Batten School of Leadership and Public Policy

1. Complete renovation of Garrett Hall to provide faculty offices, staff offices, and lounge and meeting space for the Frank Batten School of Leadership and Public Policy

2. Significant renovation of the adjacent annex to provide the Batten School with administrative and student services offices, as well as additional lounge and meeting space

Summary of Proposed Changes
Garrett Hall | Batten School

Proposed Building Site
Garrett Hall | Batten School

Building renovation, green roof and reduced heat-island effect with landscaping

Transportation:

- Located on University and city bus loops
- No new parking; limited visitor parking
- Bike racks and shower facilities

Dining:

- Adjacent to dining in Hotel E (Garden Room, West Range Café)
- Within ¼ mile of dining in Newcomb Hall
- Within ½ mile of 10+ restaurants on the Corner

Recycling:

- Reuse of exterior building elements – windows, grills
- Reuse of interior materials – lighting, wood paneling, railings
- Construction waste management (90%+)
- Recycled content of new material (20%)
- Centralized recycling

Sustainability Initiatives
Garrett Hall | Batten School

Energy:

- Adoption of LEED enhanced commissioning procedures
- Improving energy performance by 14%
- Use of central plant utilities
- Use of awnings to reduce heat gain

Water:

- Seeking exemplary reduction (40%) in water use
- Use of non-potable cistern water for irrigating green roof
Sustainability Initiatives
Arts & Sciences Central Grounds Redevelopment & Renewal Priorities

Background:

Update on A&S Core Mission and Growth Projections

Proposed Order of Work and Future Program Assignments:
1. Renew Randall Hall
2. Renew Levering Hall / Hotel F
3. Renew New Cabell Hall
4. Renew Wilson Hall
5. Construct New Music Building
6. Renew Old Cabell Hall
7. Renew Brooks Hall
Renew Gilmer Hall
Renew Chemistry Building
A&S Science Research Building
Future Additional A&S Science Research Facility
Renew Physics Building
• Project Goals

• House Language departments and the Dean of Arts and Sciences
• Improve public spaces
• Provide opportunities for community and place making
• Improve the quality of finishes to be more consistent with rest of the campus
• Activate the courtyard with landscape improvements
• Update Mechanical systems
• Sustainable design and LEED certification

September 9, 2009
NEW CABELL HALL RENOVATION • UNIVERSITY OF VIRGINIA
Rationale for 2010 Plan Update

- Enhanced spirit of collaboration among the Arts
- Revised series of facility projects
  - Rehearsal Hall
  - Thrust Theatre
  - Museum Expansion
  - Library Expansion
  - Drama Addition
  - Music Building
- Potential for expanded Arts outdoor activities
Future Development
Current Development: Rehearsal Hall
Current Development: Rehearsal Hall
Current Development: Thrust Theatre Site
Current Development: Thrust Theatre and Arts Commons
Current Development: Thrust Theatre
Current Development: Thrust Theatre
Casteen Arts Grounds - 2010
Claude Moore Medical Education Building

Building Site
Claude Moore Medical Education Building

Design By:
CO Architects

GSF: 58,500

Level 3:
Lecture Hall, Admin Offices

Level 2:
Student Lounge Terrace Academic Support Offices

Level 1:
Main Entrance Learning Studio Admin Offices

Ground Level:
Medical Simulation Center

Basement Level:
Clinical Skills Center

First Floor Plan
Claude Moore Medical Education Building

Front Entrance
Claude Moore Medical Education Building

Learning Studio
Claude Moore Medical Education Building

- Energy Efficient HVAC Systems
- Recycled Content in Building Materials
- Building Located Close to Campus Busline and Public Transportation
- Energy Efficient Building Envelope
- Low VOC Paints to Improve Indoor Air Quality
- Stormwater Reduction Strategies to Decrease Runoff
- Use of Regional Building Materials
- Water Use Reduction Strategies
- Bike Racks Provided
- Daylight and Views at Offices
- Insulated Low-E Glazing to Control Solar Heat Gain
- Native Plants for Water Efficient Landscaping
McLeod Hall Renovation
Overview of McLeod Hall Renovation Project

$14.8 million Board of Visitors authorization
$7.5 million funding in hand

Phase 1
- $6.8 million total cost
- 1st, 4th, 5th floors
- Commenced August 2009
- 1st floor completed August 2010
- 4th floor in progress, completion date January 2011
- 5th floor completion date August 2011

Phase 2
- $8.0 million total cost
- 2nd, 3rd floors
- Commencement date dependent on funding
McLeod Hall – 1st Floor
Renovations Complete
McLeod Hall – 4th Floor
Renovations in Progress
School of Nursing
Grounds Improvement Project
School of Nursing and School of Medicine Grounds Improvement Project

Rear Exterior of McLeod Hall GIF funding $35,000
Enhancements to improve space utilization, upgrade furnishings, plantings and a green roof
McLeod Hall
Sustainability Initiatives

1. Pursuing LEED-CI certification
2. Low VOC (Volatile Organic Compound) materials used throughout the project
3. Recycled content for flooring, wood panels, sheet rock, metal, steel
4. Recycled demolition debris on materials from project
5. Motion sensor lights throughout for energy conservation
6. Natural light throughout the building to reduce use of artificial lights
7. Automatic water sensors for restroom sinks
8. Waterless urinals in men’s restrooms
Recreation Improvements: Overall Grounds Plan

- North Grounds
- Slaughter
- Memorial Gym
- Medical Facility
Selected Option

North Grounds Recreation Center – add new aquatic facility, multipurpose room and squash courts, renovate existing racquetball courts, 2 tennis courts

Slaughter Recreation Center – add new 2 court multipurpose athletic court space, increase fitness space, renovate existing racquetball and squash court space and relocate outdoor recreation programs to this location

Memorial Gymnasium – repurpose existing gymnasium into a new fitness, strength and conditioning space

Aquatics and Fitness Center – no changes

University Hospital Facility – create new facility
Summary of Demand and Gaps

- **Weight & Fitness:** Unmet demand for weight & fitness proximate to reliable parking
- **Aquatics:** Confirmed conflict of demand for aquatics during intercollegiate swimming & diving time slot
- **Multi-Purpose:** Demand for multipurpose rooms within large, full service centers
- **Gym:** Demand for gymnasia driven by intramurals and club sport teams programming and scheduling
- **Racquetball:** Racquetball demand aligns with current courts
- **Squash:** Squash demand hindered by existing dimensions
Memorial Gym Floor Plans

Lower Level
Memorial Gym Floor Plans
Memorial Gym Floor Plans

Upper Level
Repurposing Gymnasium Space into Fitness Area
Medical Facility Floor Plans

Level 1

Level 2

Level 3

Level 4
Proposed Timeline

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- **Planning and Design**
- **Construction**
Business Operations Capital Projects
Newcomb Hall Renovation and Expansion

Current:
• Last renovated 1998
• Board dining - 900 seats
• Retail space – 300 seats
• Convenience store
• Catering

Expansion & Renovation:
• Completion in fall 2012
• Board dining – 1200 seats
• Retail restaurant – 30 seats plus outdoor seating
• Retail space – 450 seats
• Convenience store
• Catering
Newcomb Hall Renovation and Expansion
Newcomb Hall Renovation and Expansion
Board Dining, 2nd Floor
Newcomb Hall Renovation and Expansion
PAV XI Dining, 1st Floor
Business Operations Capital Projects
Bookstore Expansion

Progress of Construction

Estimated completion
Fall 2011

Adds 16,200 sq. ft.

Total of 59,200 sq. ft.
after completion
Bookstore Expansion
Floor Plan
Update on Health System Projects

HSAP Redevelopment Opportunities
Update on Health System Projects

Educational Resources Center

Size: 30,000 gsf – 2 floors above with partial basement
Program: Multi-purpose education space, pharmacy, 150-seat auditorium, pre-function space, green roof garden and basement for mechanical and shell, potential outpatient imaging
Construction Cost: Approx. $19m
Update on Health System Projects

Emergency Department Expansion

Option 3 Phase 1 – One level ED
55 Total beds
  - 30 New Adult rooms
  - 4 New Trauma rooms
  - 21 beds remaining in existing ED space
  - 60,000 of visits
Update on Health System Projects

Emergency Department Expansion

Option 3 Phase 2 – One level ED
60 Total beds
- 30 New Adult rooms
- 4 New Trauma rooms
- 10 Adult/Swing & Peds rooms in renovated ED Space
- 16 Obs/CDU in renovated ED Space
- 65,000 of visits
Update on Health System Projects

Emergency Department Expansion

Option 3 Phase 3 – One level ED
- 65 Total beds
  - 40 New Adult rooms
  - 5 New Peds rooms
  - 4 New Trauma rooms
  - 16 Obs/CDU in renovated ED Space
- 70,000 of visits
Update on Health System Projects

Emergency Department Expansion
University Library

1. Alderman Library
   Systems, Life Safety, and Accessibility Renewal and Upgrades

2. Fiske Kimball Fine Arts Library
   Systems, Life Safety, and Accessibility Renewal and High-Density Shelving Addition

Summary of Proposed Changes
Alderman Library Renewal
Alderman Library Renewal

Proposed Building Site
Alderman Library Renewal

Conceptual Site Plan
Alderman Library Renewal

The Need:
1. 1938 WPA building hosting > 2,000 students daily violates fire, safety, egress, and accessibility codes
2. No comprehensive overhaul ever done—dated systems are inefficient, unsafe, and difficult to distribute, service and control

The Project:
1. Renew all systems and remove original stacks that are fire hazards and cannot be brought up to code
2. Replace 10 “old stack” floors with a compact shelving system plus two floors of student and faculty study spaces and staff offices
3. No change in exterior footprint

Project Program
Fine Arts Library Renewal and Stack Addition
Fine Arts Library Renewal and Stack Addition

Proposed Building Site
Fine Arts Library Renewal and Stack Addition

Proposed Building Site
Fine Arts Library Renewal and Stack Addition

The Need:

1. 1969 building serving > 80,000 visitors per year fails to meet accessibility, safety, and energy efficiency standards, and has inadequate study and collections space
2. Print materials in high demand—collections grow at the expense of study space—shelves completely full in 2004

The Project:

1. Replace major systems (e.g., plumbing, HVAC, electrical) and asbestos remediation
2. Build below-ground addition under “green side” of building, with compact shelving and appropriate egress; refurbish current space to increase seating capacity
3. No visible exterior change in footprint

Project Program
Hospital Helipad Relocation

Site Context
Hospital Helipad Relocation

Aerial View of Medical Center
Hospital Helipad Relocation

Example of Similar Helipad Facility (Annapolis, MD)
Hospital Helipad Relocation

Current View of Hospital
Hospital Helipad Relocation

Medical Center Perspective with Site Indicated
East Chiller Plant

Aerial View of Site
East Chiller Plant

South Chiller Plant (2008)
East Chiller Plant and Lee Street Realignment

View of the Site from the Lee Street Garage
East Chiller Plant

Medical Center Perspective
East Chiller Plant

Site from Roosevelt Brown Boulevard
East Chiller Plant

Similar View with East Chiller Plant
Roosevelt Brown Boulevard and Lee Street
East Chiller Plant

Lee Street and Crispell Drive
Olympic Sports Entry Plaza and Track & Field Area Plan

Aerial View of Site
Olympic Sports Entry Plaza and Track & Field Area Plan

Conceptual Area Plan – Phase 1
Olympic Sports Entry Plaza and Track & Field Area Plan

Track Layout – Phase 1
Olympic Sports Entry Plaza and Track & Field Area Plan

Conceptual Area Plan – Phase 2
Olympic Sports Entry Plaza and Track & Field Area Plan

Klöckner and Davenport Stadiums
Olympic Sports Entry Plaza and Track & Field Area Plan

Olympic Sports Entry Plaza and Track & Field Area Plan

Scott Stadium Entry and Colonnade (Renovation 1997 - 2000)
Olympic Sports Entry Plaza and Track & Field Area Plan
Olympic Sports Entry Plaza and Track & Field Area Plan

Track and Field Stadium and Colonnade