West Grounds Precinct Planning

Friday May 21, 2010
Arts & Sciences

1. Construct Arts & Sciences Physical and Life Sciences Research Building
2. Renew Gilmer Hall
3. Renew Chemistry Building
4. Renew Physics Building
5. Provide Additional Lecture Hall in West Grounds Precinct
6. Construct Additional New A&S Physical and Life Sciences Research Facilities proximate to the new Whitehead Road buildings

Summary of Proposed Changes
Renew Gilmer Hall
Renew Physics Building
Renew Chemistry Building
A&S Science Research Building
Future Additional A&S Science Research Facility
1. In Construction: Rice Hall – Computer Science, Computer Science Engineering, and Living Lab
2. In Planning: Student Projects Building – a collaboration with Facilities Management
SEAS – Rice Hall

Site Plan
Student Projects Building

Building Site
School of Engineering and Applied Science

1. Rice Hall
   - Energy Monitoring and Display
   - 3rd Floor Systems Lab
   - Corporate research partnerships

2. Shop Building
   - Consolidation to Central Grounds

3. Academic Programs
   - Sustainability Minor (Engineering Sciences Concentration)
   - EcoMod research efforts
   - Courses
     - Intro to Environmental Engineering
     - Stormwater management
     - Earth Work
     - Etc.

Sustainability Initiatives
Current and Planned Projects at Curry

1. Complete construction of Bavaro Hall (Fall 2010)
2. Begin renovation of Ruffner Hall (project start date unknown, but not before July 2011)

Summary of Proposed Changes
Bavaro Hall

417 Emmet Street South
Bavaro Hall

1. Roughly 65K sq. ft. of faculty and administrative offices and meeting space (no classrooms) as well as one floor dedicated for the Sheila C. Johnson for Human Services
2. Lead architect Robert A.M. Stern Architects, LLP
3. Seeking LEED Silver Certification
Ruffner Hall Renovation

1. The following activities completed:
   - Pre-planning study
   - Stacking study
   - Early phases of MEP study

2. Goals for renovation
   - Asbestos abatement
   - Update HVAC/electrical/plumbing/mechanical systems
   - ADA compliance
   - Better space utilization

3. Renovation has not been funded
Facility Approach Option 4

- **Buildings:**
  - **North Grounds Recreation Center** – add new aquatics facility, multipurpose room, and squash courts, renovate existing racquetball courts.
  - **Slaughter Recreation Center** – add new 2 court multipurpose athletic court space, renovate existing racquetball and squash court space and relocate outdoor programs to this location.
  - **Memorial Gymnasium** – repurpose existing 3 court gymnasium into a new fitness, strength and conditioning space.
  - **Aquatics and Fitness Center** – no changes
  - **Health System Facility** – create new facility
Slaughter Floor Plan
Slaughter Sections
BUSINESS OPERATIONS

West Precinct

- Dining Services
- Housing
- Parking & Transportation
- Bookstore & Cavalier Computers
- UVA Cemetery and Columbarium
OVERVIEW OF THE WEST PRECINCT
DINING SERVICES

Current Locations:
• Observatory Hill Dining Hall
• Runk Dining Hall
• Poolside Café at the Aquatic & Fitness Center
• Castle
• Wilsdorf Hall Café

Future Locations:
• Rice Hall (ITE-Information Technology and Engineering Building)
• Einstein Brother's Bagels dining concept
OBSERVATORY HILL DINING HALL

Opened 2005
Other Dining Locations in the West Precinct

Runk Dining Hall & Convenience Store

Wilsdorf Hall Café

Poolside Café at AFC

The Castle
HOUSING

• Student Housing
  • McCormick Road Residence Halls
  • Alderman Road Residence Halls
  • Gooch Dillard
  • Hereford College

• Faculty/Staff Housing
  • Located in the Piedmont area
Alderman Road Housing Master Site Plan
KELLOGG HOUSE
Opened 2008
Housing Division
Alderman Road

Buildings 1 & 2

Buildings 3 & 4

Building 5
PARKING & TRANSPORTATION

Overview of Parking Areas in the West Precinct
West Grounds Heating

- Main Heat Plant: N+2 Capacity
- Load Density + Decision Making

West Grounds Electric

- UVa Substations (12,470/4160 volts)
  - Alderman Road Substation (West Grounds)
  - Cavalier Substation (Health System + C. Grounds)
  - North Grounds Substation
West Grounds Cooling:

Central Grounds Loop
- Plants in Bryan Hall & Clark Hall
- Capacity can be expanded to 4800 tons.

Newcomb Road Loop
- Plants in Alderman Library, Clemons Library, Newcomb Hall
- Consolidated, new plant needed.

McCormick Road Loop
- Plants in AFC and Chemistry Addition
- Capacity can potentially be expanded by 1500 to 3000 tons.
Snyder Translational Research Building and Life Sciences Annex (LiSA)

- **Project Cost:** $80.5 M (annex $35.1 M)

- **Architect:** Perkins and Will

- **Contractor:** DPR Construction

- **Construction Start:** April 2006, **Finish Snyder:** Complete, **LiSA:** December 2008
Current and Recent Landscape Projects in West Grounds
The Dell Landscape and Stormwater Management - 2004
Before After

Observatory Hill Ellipse - 2007
Student Community Garden

Hereford College Farm Garden

Community Gardens
Before

After

Darden Court at Thornton Hall, Phase I
GIF Project submitted by School of Engineering and Applied Sciences
Leake Building Bus Stop Path
GIF Project submitted by Facilities Management
Key Local Properties

- Birdwood Golf Course
- Boar’s Head
- Cavalier Inn
- Westover
- Fontaine Research Park
- Ivy Road Properties
  - University Grill
  - 7- Eleven
  - Cary’s Camera
  - U Forum
  - Dynamics Building
- UVa Research Park
- Midmont
- Blue Ridge Hospital
- Morven