Master Planning Council
February 17, 2010
Office of the Architect

David Neuman, FAIA, LEED AP Architect for the University
Ed Rivers, Associate Athletics Director for Intramurals
Planning update meetings will be held in each precinct – North, West, and Central in 2010.

Constituents include academic, auxiliary, and business operations departments in each of these ‘neighborhoods’

Purpose is to show the relationship between the 2004-2006 workshop meetings, the 2008 Grounds Plan, and the current precinct planning.

North Grounds meeting held on January 14th, 2010:
• Constituents shared current projects and learned what their neighbors are planning.
• Learned about planned community improvements and sustainability efforts.
• Discussed issues that pertain to their ‘neighborhood’.

North Grounds Planning Update Summary
Miller Center of Public Affairs
Interior Refurbishment

The Miller Center has recently completed refurbishment of the Newman Pavilion, focusing on both aesthetic and technical improvements.
Presidential Research Library

Proposed Building Site
Presidential Research Library

Conceptual Site Plan
Presidential Research Library

Artist Rendering
Presidential Research Library

Artist Rendering
(perspective from the lawn)
Darden’s Goodwin Grounds

**Goodwin Grounds**
- 560,000 GSF
- 11 Buildings (‘79-’02)
- 20 Acre Campus

1. **Darden School**
   - 5 Buildings
   - 260,000 GSF

2. **Sponsors Executive Residence Center**
   - 5 Buildings
   - 140,000 GSF
   - 180 Guest Rooms

3. **Darden Garage**
   - 500 vehicle capacity
Strategic Space Planning

- **Study conducted**: Fall, 2008 - Spring 2009
  - in collaboration with UVA Architect’s Office, Provost’s office, DEGW consultants
  - Enterprise-wide participation: Facilities committee, Faculty, Staff, Students

- **Goals**
  - Accommodate growth
  - Improve quality of learning environment by incorporating technology, flexibility, sustainability
  - Improve quality and quantity of research
  - Increase access to special support spaces and equipment
  - Enrich character of space and optimize environmental performance

- **Strategies**
  - Impact today while addressing needs over the next 10 years
  - Work within existing grounds envelope; act on our commitment to sustainability and innovation
  - “Maximize the experience”: Guiding principle in concept development
  - Reconfigure space flexibly, support new ways of working
  - Enable and support a mobile workforce
Facility Renewal Planning

- Facility Lifecycle Audit conducted: Summer, 2008
  - in collaboration with UVA Facilities Management and consultants, Diversified Intelligence
- Analysis of deferred maintenance and modeled facility renewal requirements over 20 year horizon.
- Dynamic model of building’s condition and tool for annual project planning.
- Established “roadmap” for scheduling and budgeting for major maintenance projects
Commitment to Sustainability: How We Live and How We Learn

Darden will be a zero waste, carbon neutral enterprise by 2020 and a top ten school for Teaching and research on Sustainability by 2013.”

Bob Bruner, Dean, Darden Business School  April, 2008
Carbon Neutral and Zero Waste by 2020

**CO₂ Reduction Strategy**

**Current CO₂ Sources: FY2007**

- Purchased Electricity: 87%
- Natural Gas: 13%
- Diesel Oil: 0%

**CO₂ Reduction Strategy: FY2020**

- Renewable Energy Purchase/Production: 75%
- Energy Efficiency: 15%
- Conservation: 10%

**Zero Waste Strategy**

**Waste Sources: FY2007**

- Kitchen Food Waste: 50%
- Recycled Materials: 15%
- Food Waste—post-consumer: 10%
- Other: 15%

**Waste Strategy: FY2020**

- Composting: 50%
- Recycling: 25%
- Purchasing/Process Changes: 15%
- Pulper: 10%
Capital Planning: FY10 and Beyond

- Planning for Darden Library Research Center
- Continued technology and “Maximizing Experience” upgrades – Learning Team Rooms, Classrooms, Conference Rooms, Video Studio
- Planning for TelePresence implementation
- Continued Facility Renewal according to Facility Lifecycle Model
- Definition and implementation of “Road map” to 2020 Goal: Zero Waste and Carbon Neutral Darden
- Leverage Grounds Improvement Fund to upgrade below standard North Grounds entrance corridors and streetscapes
Law Grounds 1999
Changes in Legal Education for top law schools

- Increased competition for the best applicants and faculty
- Smaller, more numerous classes
- More interdisciplinary studies
- More demand for practical skills courses and instruction
- More need for student services
UVA Law Responses

- Increase number of faculty: 58 full-time faculty in 1995; 90 in 2009
- Increase prospective student recruitment: Record number of applications in last three years
- Increase number of legal clinics: 2 in 1995; 14 now
- Upgrade student services staffing
Physical changes to respond to these trends

- Expanded library reference suite
- Added 25 new faculty offices (most at the expense of library space)
- Downsized under-used large classrooms
- Carved out two new seminar rooms
- Expanded clinic area
Upgrading

- Classrooms
- Classroom technology
- Security systems
- Video conferencing
- Student service areas
Implication:

- Clear we have emerging major space needs that probably cannot be accommodated in current building envelope
- How we address this problem remains to be determined
Four Entrances to North Grounds

- **Arlington Boulevard**
  (asphalt path, no signage, no curbs, no drainage, cobra head lights)

- **Sandridge Road**
  (landscaping and grading)

- **Massie Road**
  (sidewalks, Edgewater lighting, curbs and landscaping)

- **Copeley Road**
  (sidewalks, Edgewater lighting and landscaping)
Half-hidden UVA directional sign with six entries

Water drains across path

Cobra-head light

Sign noting end of bike lanes

Cracked, potholed, and eroded asphalt pavement
Summary

- Law school in increasing competitive strategic environment
- Running out of physical space to respond to trends in legal education
- Important to us to find a way to enhance a major entry to North Grounds
JAG Legal Center and School (LCS)

1. Expansion of Existing Facilities
   * 52,000 Sq. Ft.
   * $35,500,000

2. Facilities in Issue

3. Status

Summary of Proposed Changes
LCS Expansion

Proposed Building Site(s)
LCS Expansion

Proposed Building Site(s)
Indoor Practice Bubble

Description and Amenities

- Priority project
- 120 Yards Long
- Climate Controlled
- Provide Indoor Field Space during inclement weather
Future Projects

1. Olympic Sports Building

- 70,000 – 80,000 sq. feet
- Will contain office space, locker rooms, training room, and weight room
- Will fulfill all Olympic Sports Training needs
- University Hall offices will be relocated to the new Olympic Sports Building
Future Projects

2. Indoor Practice Facility

- University Hall Site
- Demolish University Hall
- May need to demolish Cage and Onesty Hall
- Indoor Practice Facility to support field sports
Future Projects

4. Gateway to Olympic Sporting Event Sites

- Gateway to Lannigan, Klockner and Davenport.
- Create a true facility at Lannigan to include:
  - Runway reconfiguration
  - Seating for 2500 spectators
  - Restrooms and Concessions
  - Press box and lights
  - Scoreboard
  - Storage
Renovations and Additions

- Fully functional locker rooms
- Create suites, additional seating, team meeting areas and hall of fame
Business Operations:

- May expand Child Care facilities.

- May partner with private corporation to redevelop North Grounds student housing.
North Grounds can potentially support a large amount of future development

The largest potential development area is at University Hall

Future development at University Hall could likely be served by the Massie Road Heating and Cooling Plants

Central heating and cooling for future development in other areas of North Grounds would require upgrades to the North Grounds Mechanical Plant and/or Darden Infrastructure

Future development is dependent on RWSA completing the Meadowcreek Interceptor (sanitary sewer project – in progress)

Possible issues related to changing storm water management regulations

Decisions about central heating and cooling for future development will be made on a project-by-project basis and is dependent on the size and scope of the proposed project
Redevelopment Volumes with Current and Future Infrastructure
Redevelopment Volumes with Current and Future Infrastructure
John Paul Jones Arena

- **Project Cost:** $129.8 m
- **Architect:** VMDO Architects
- **Contractor:** Barton Malow
- **Construction Start:** April 2003, **Finish:** June 2006
Current and Recent Landscape Projects in North Grounds
JPJ Landscape and Stormwater Management
Darden Garden Plan with Fountain
LWS/Massie Road Intersection Sidewalk and Lighting
GIF Project submitted by Safety and Security Committee
LWS Road Crossing

Copeley Road Crossing

LED Crosswalks
GIF Projects submitted by Safety and Security Committee, Darden and Law
THE SITE IS STRATEGICALLY SITUATED ON THE INTERSECTION OF EMMET STREET AND IVY ROAD

Arts Gateway
Arts Gateway

ART IS NOT MADE FOR ANYBODY AND IS, AT THE SAME TIME, FOR EVERYBODY. —Hans Hofmann
ARTS GATEWAY TO ARTS GROUNDS
SEPTEMBER, 2009
Survey Summary

- **Facility Users**

  Of those who are active at least once/week, where is their primary facility?

**Students**
- AFC: 58%
- North Grounds: 11%
- Memorial Gym: 9%
- Off-Grounds: 9%
- Slaughter: 10%
- Other: 4%

**Employees**
- AFC: 33%
- North Grounds: 30%
- Memorial Gym: 7%
- Off-Grounds: 1%
- Slaughter: 0%
- Other: 1%

(Ex. Outdoors or in the home)
Representation

- **Grounds - Students**

- **1st year**: 26%
- **2nd year**: 5%
- **3rd year**: 14%
- **4th year**: 14%
- **Graduate (non-med)**: 14%
- **Graduate (medical)**: 14%

- **Male**
  - **Fulltime**: 97%
  - **Parttime**: 3%

- **Female**
  - **Fulltime**: 38%
  - **Parttime**: 62%
On average, how often do you pursue indoor recreational sports and fitness activities?

**STUDENTS**
- 44%: 5 or more times/week
- 21%: 2-4 times/week
- 13%: Once a week
- 10%: Sometimes
- 12%: Never

**EMPLOYEES**
- 36%: 5 or more times/week
- 25%: 2-4 times/week
- 9%: Once a week
- 9%: Sometimes
- 23%: Never
% of respondents who indicated that IM-Rec Sports facilities and programs have a *significant* or *moderate* impact on the following objectives:

- Improving the quality of life at the University
- Reducing stress
- Providing healthy lifestyle options
- Enhancing the University community
- Increasing student employment opportunities
- Increasing time students spend on grounds
- Providing alternative programming
- Making living on-grounds more desirable
- Attracting more students to the University
- Retaining more students at the University
- Retaining faculty/staff at the University

**STUDENTS**

**EMPLOYEES**
Which services are of interest?

% of respondents who indicated that they would be **very interested** or **somewhat interested** in the following services:

**STUDENTS**
- Massage therapy
- Outdoor equipment check-out (bats and bases,)
- Fitness assessment
- Personal trainer
- Nutrition information and instructional classes
- Fitness towel
- Instructional classes (learn-to-play: badminton,)
- Shower towel
- 1 day locker checkout with lock provided
- Wellness seminars
- Health risk appraisal
- Private lessons (learn-to-play: badminton,)
- Long-term (semester) locker rental
- 1 day locker check out with own lock

**EMPLOYEES**
- Massage therapy
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How do people get to facilities?

Respondents who are active at least once a week, were identified with the facility that they visit most often:

- **AFC Memorial North Grounds Slaughter Off-Grounds**

![Pie charts](image)
Respondents who are active at least once a week, were identified with the facility that they visit most often:

* Comments re On-Grounds facilities
Why do people go Off-Grounds?

% of OFF-GROUNDS respondents who indicated that the following reasons were very important or important for not pursuing indoor programs or activities On-Grounds:

- On-grounds recreation sports facilities are too crowded
- Parking is too often not available at the facility at the times I want to participate
- Facilities and programs are not available at convenient times
- The activities that I am interested in are not available on-grounds
- The current on-grounds facilities are not conveniently located
- The costs for my activities are unreasonable compared to off-grounds activity providers
- The facilities most convenient to me are uninviting
- I am uncomfortable in the combined student and faculty/staff environment

STUDENTS

EMPLOYEES
What would increase participation?

% of respondents who indicated that they would participate **a lot more** or **more** with of the following improvements:

- If facilities were always available
- If equipment was always available
- If the facilities were more conveniently located
- If parking were more plentiful
- If group fitness classes were at more convenient times
- If a wider variety of equipment was provided
- If open recreation pool time was more available
- If a wider variety of facilities were provided
- If mind-body instructional classes were at more convenient times
- If equipment was easier to use and understand
- If equipment was newer
- If facilities were newer
- If a juice bar or food court were available
- If quality social spaces were offered (social lounge, game room, ...)
- If water exercise classes or swim lessons were at more...
- If equipment was cleaner
- If facilities were easier to navigate
- If facilities were cleaner
- If short term (2 hours) child supervision was offered as I work out

STUDENTS  | Active at least once a week | Active sometimes or never
What would increase participation?

% of respondents who indicated that they would participate a lot more or more with the following improvements:

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- If equipment was cleaner
- If facilities were easier to navigate
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EMPLOYEES

Active at least once a week

Active sometimes or never
Weight and Fitness

**STUDENTS**

**EMPLOYEES**
Overview of Research Findings

- **Survey**: Peak Demand (Self-directed)

![Bar Chart - Weight & Fitness](chart.png)
Multipurpose Rooms

**STUDENTS**

- Dance
- Martial arts
- Mind-body
- Group fitness

**EMPLOYEES**

- Dance
- Martial arts
- Mind-body
- Group fitness
Lap Swimming

STUDENTS

EMPLOYEES
Overview of Research Findings

- **Survey**: Peak Demand (Self-directed)

![Lap Swimming Diagram]

<table>
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<tr>
<th>Lanes per Hour (4 to 6 PM)</th>
<th>Demand (Non-Medical)</th>
<th>Demand (Medical)</th>
<th>Existing</th>
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<td>6</td>
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Overview of Research Findings

- **Survey:** Peak Demand (Self-directed)

![Graphs showing demand and usage](image-url)
Summary of Demand and Gaps

- **W&F:** Unmet demand for weight & fitness proximate to reliable parking
- **Aquatics:** Confirmed conflict of demand for aquatics during intercollegiate swimming & diving time slot
- **MP:** 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
Facility Approach Options

- **Issues:**
  - Feasible locations for aquatics?
  - Existing locations/potentials for W&F parking?
  - Future locations for Outdoor Rec admin/storage?
  - Space realignment opportunities at existing centers?
  - Minimum scale of building needed for Nameless site?
Selected Option 4

- 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
Overall Grounds Plan

- North Grounds
- Slaughter
- Memorial Gym
- Medical Facility
North Grounds Floor Plan
North Grounds Sections
Slaughter Floor Plan
Slaughter Sections

Section A-A

Section B-B
Memorial Gym Floor Plans
Memorial Gym Floor Plans
Medical Facility Floor Plans
Medical Facility Floor Plans
Medical Facility Floor Plans
Medical Facility Sections

Section A-A

Section B-B