UNIVERSITY OF VIRGINIA
BOARD OF VISITORS
MEETING OF THE
BUILDINGS AND GROUNDS
COMMITTEE
MAY 16, 2006
BUILDINGS AND GROUNDS COMMITTEE

Tuesday, May 16, 2006
1:30 – 3:00 p.m.
Byrd Seminar Room, Room 318
Harrison Institute

Committee Members:
Alan A. Diamonstein          Lewis F. Payne
Susan Y. Dorsey              Don R. Pippin
W. Heywood Fralin           Gordon F. Rainey, Jr.
Vincent J. Mastracco, Jr.    Thomas F. Farrell, II, Ex Officio
Anne Elizabeth Mullen

AGENDA

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A. EASEMENT, DELL WATERLINE REPLACEMENT (RIVANNA WATER AND SEWER AUTHORITY): Approval of easement

The Rivanna Water and Sewer Authority (RWSA) seeks an easement to replace and relocate a sixteen inch waterline, which is old and subject to breaking. There is not an existing easement. The proposed easement is approximately 1,600 feet x 30 feet. The easement will run from the Dell storm water facility to the Alderman Road pump-house.

RWSA will be responsible for replacement of trees that are removed or damaged during construction. These replacement trees will be planted within the 30 foot easement, but not within 5 feet of the pipe centerline. They will also repair any damage to the bio-retention basins that border the easement and will be responsible for any damage to the tennis courts which may occur - up to $150,000 - as determined by the University.

ACTION REQUIRED: Approval by the Buildings and Grounds Committee and by the Board of Visitors

<table>
<thead>
<tr>
<th>APPROVAL OF A PERMANENT EASEMENT TO REPLACE AND RELOCATE A WATERLINE</th>
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<tbody>
<tr>
<td>RESOLVED that the granting of a permanent easement to the Rivanna Water and Sewer Authority to replace and relocate a sixteen inch waterline between the Dell and the Alderman Road pump-house, on property owned by The Rector and Visitors of the University of Virginia, is approved; and</td>
</tr>
<tr>
<td>RESOLVED FURTHER this approval is conditioned on communication by the Rivanna Water and Sewer Authority with all affected neighbors of the waterline to describe the project and its impact on the area, as well as exploration by the Authority of all possible means to accomplish the work with the least damage to existing trees and vegetation; and</td>
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<tr>
<td>RESOLVED FURTHER that appropriate officers of the University are authorized to execute said easement.</td>
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</tbody>
</table>

B. EASEMENT, CAVALIER ELECTRICAL SUBSTATION (DOMINION POWER): Approval of easement

The University has requested that Dominion Power provide redundant electrical service to the Cavalier Electrical Substation. This will allow the University to have fully redundant service for current capacity and for future electrical
demand to be provided by the Cavalier Substation. In order for Dominion to provide such service, an easement for the benefit of Dominion Power is required. The easement is approximately 100 feet by 15 feet and will run from a power pole near the intersection of West Main and 14th Streets, underground through the triangle bounded by Jefferson Park Avenue, Main Street, and the railroad, and tie back into a newly installed pole along an existing overhead utility corridor.

ACTION REQUIRED: Approval by the Buildings and Grounds Committee and by the Board of Visitors

APPROVAL OF A PERMANENT ACCESS EASEMENT AT THE CAVALIER ELECTRICAL SUBSTATION TO PROVIDE REDUNDANT POWER

RESOLVED that the granting of a permanent easement to Dominion Power to provide redundant electric power to the Cavalier Electrical Substation, on property owned by The Rector and Visitors of the University of Virginia, is approved; and

RESOLVED FURTHER that appropriate officers of the University are authorized to execute said easement.

C. UNIVERSITY REPRESENTATIVE TO THE ART AND ARCHITECTURAL REVIEW BOARD: Approval of appointment

The Art and Architectural Review Board recommends and approves building designs for all state capital projects. Mary Virginia Hughes, University Landscape Architect at the University of Virginia, has served admirably as a member of the Board for the past eight years, but is not eligible for reappointment. The appointment procedure calls for the Board of Visitors to make a formal recommendation and for the Rector to communicate the recommendation to the Secretary of the Commonwealth. The Administration recommends that the Board nominate Richard S. Minturn and Constance P. Warnock for consideration by the Governor as the University's new citizen member of the Art and Architectural Review Board.

ACTION REQUIRED: Approval by the Buildings and Grounds Committee and by the Board of Visitors

APPROVAL OF UNIVERSITY REPRESENTATIVE TO THE ART AND ARCHITECTURAL REVIEW BOARD

WHEREAS pursuant to Section 2.2-2400 of The Code of Virginia, the Governor appoints five citizen members to the Art and Architectural Review Board of the Commonwealth of Virginia; and
WHEREAS the Code provides that one member be appointed from a list of persons nominated by the governing board of the University of Virginia;

RESOLVED that the Board of Visitors recommends to the Governor that Richard S. Minturn and Constance P. Warnock be considered for appointment to the citizen member position on the Art and Architectural Review Board to be nominated by the University of Virginia.
BACKGROUND: The construction of the President's House on Carr's Hill followed several years after the University's decision in 1904 to create the office of president. Soon after the inauguration of Edwin Anderson Alderman as the University's first president, Stanford White, of McKim, Mead, & White, was chosen by President and Mrs. Alderman to design a house for the University's president. The Aldermans had arrived from Tulane University in New Orleans with specific ideas about the design, and they rejected Stanford White's first plans from early 1906 because they did not sufficiently incorporate their ideas. Interestingly, Mrs. Alderman's scheduled June 22, 1906, meeting with Mr. White to address the design issues may have been his last with a private client before he was murdered on June 25th.

After Mr. White's death, the design was completed by other architects of McKim, Mead, & White, with substantial input from President and Mrs. Alderman. The house was completed in 1909 to mixed reviews and at a final construction cost of $28,837. The resulting building is a significant colonial revival-style house with a prominent pedimented portico overlooking the Academical Village. Since its completion, it has been used by all presidents and numerous events for students, faculty, alumni, and distinguished visitors have been held there.

The University recently engaged John Milner Associates, in conjunction with engineers Robert Silman Associates and 2rw, to perform documentary and physical research to establish the history of the first-floor public rooms, as well as to undertake a condition evaluation encompassing these rooms, the building envelope, structural system, and building systems.

DISCUSSION: The report finds the house to be in generally good condition. Several recommendations are made for small repairs and the recreation of some missing features on the interior and exterior structure. The engaged engineers agree with a prior conclusion that the deflection in the second and third floors results from the roof load being improperly directed when the house was built and the roof structure settling over time. They also agree with the prior opinion that these conditions pose no imminent threat to the house. Suggestions are made for...
correcting this problem. The report reviews the current heating and air conditioning, plumbing, electrical, and fire safety systems, and makes recommendations for the improvement or full replacement (in the case of the plumbing) of each.

It is expected that completing all recommended repairs and restoration to the house would take about two years, with an approximate cost, in current dollars, of $6 million, including design, contingency and other project costs.

The University recommends that minor repairs be corrected immediately over the summer, but that the overall preservation and restoration of the President’s House at Carr’s Hill commence at a time agreeable to President Casteen at or near the end of his term as president.

**ACTION REQUIRED:** Approval by the Buildings and Grounds Committee

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**APPROVAL OF CARR’S HILL RESTORATION AND PRESERVATION PLAN**

WHEREAS, the restoration and preservation of the President’s House on Carr’s Hill is needed in order to upgrade its systems (plumbing, electrical and heating and air conditioning), as well as to address a structural issue related to misdirected roof load that has caused deflection of the second and third floors;

RESOLVED that appropriate plans be developed to design, finance, and implement the necessary work as outlined in a study, dated February 28, 2006, and prepared by the John Milner Associates, Inc., of Alexandria; and

RESOLVED FURTHER that timing of the work be coordinated with the President and is likely to occur at or near the end of his term of office.
BOARD MEETING: May 16, 2006

COMMITTEE: Buildings and Grounds

AGENDA ITEM: II.B. Concept, Site, and Design Guidelines, New Dining Hall at the College at Wise

$9,100,000 Bonds

BACKGROUND: This project constructs a new 26,000 gross square foot dining hall to replace the dining facilities in Cantrell Hall at The University of Virginia’s College at Wise, which was built in 1982 to feed 350 residential students. With the completion of the new proposed residence hall in 2009, the College will have 799 residential students. In addition the overall enrollment by Fall 2010 will be approaching 2,500 students. As a result, the dining facilities at Wise need to be expanded and updated to meet student dining preferences. The budget, which will be between $8.65 and $9.55 million, will be funded by bonds with debt service funded by meal revenues and mandatory fees. The College is actively pursuing a private gift for this facility. If successful, the amount of the bond issuance will be reduced and the need for future mandatory fee increases lessened.

DISCUSSION: The Office of the Architect has prepared the concept, site and design guidelines. Mr. Neuman will review the guidelines with the Committee.

ACTION REQUIRED: Approval by the Buildings and Grounds Committee

APPROVAL OF CONCEPT, SITE, AND DESIGN GUIDELINES FOR THE NEW DINING HALL AT THE COLLEGE AT WISE

RESOLVED that the concept, site, and design guidelines, dated May 16, 2006, and prepared by the Architect for the University for the new Dining Hall at The University of Virginia’s College at Wise are approved; and

RESOLVED FURTHER that the project will be presented for further review at the schematic design level of development.
A) Proposed Project Concept
Due to the continuing growth of the student population, the existing cafeteria area is close to its maximum capacity for seating and is beyond capacity in the serving and food preparation area. In addition, the facility is unable to offer a dining experience with the variety of food and services that most students anticipate from their college meal plan.

The existing facility in Cantrell Hall was built in 1982 to feed 350 residential students. With the completion of the proposed new residence hall in 2009, the College will have 799 residential students. Overall enrollment by Fall 2010 is predicted to approach 2,500 students. The $8.65 to $9.55 million budget will be funded by bonds with debt service funded by meal revenues.

With an attractive view of the lake and wetland the proposed site is among clusters of campus housing. Thus, the new dining hall will be conveniently located to become a new center of student activity. Adjacent to the drama building, and the proposed drama addition, the building will help frame the residential quad to the east. The site is highly visible from the loop road and the residential access road. A thoughtfully conceived building and landscape design will establish physical and visual connections linking this area to the central part of the campus.

This site is in conformance with the 2006 College at Wise Campus Plan.
B) Siting Criteria
The University of Virginia general siting criteria for all new facilities include the following components. Those highlighted are the most pertinent in determining the siting recommendation for the new Dining Hall.

- Conforms with overall land use plan and district/area plans.
- Reinforces functional relationships with other components of the same department or program, and is compatible with other neighboring uses.
- Satisfies access requirements- pedestrian, bicycle, vehicular and service.
- Maximizes infill opportunities to utilize land resources and existing infrastructure.
- Minimizes site development costs, including extension of utilities, access, loss of parking, mass grading, etc.
- Minimizes opportunity cost; i.e., value of this use and size versus other alternatives.
- Provides a size that is adequate, but not excessive, for initial program, future expansion, and ancillary uses.
- Allows for incorporating sustainability principles in terms of solar orientation, reuse of historic structures, storm water management, etc.
- Avoids unnecessary environmental impacts, including significant tree removal or filling of existing stream valleys.
- Allows site visibility and aesthetic character as appropriate for the intended use and for the neighboring context.
- Minimizes time for implementation of the project.
C) Proposed Site: College at Wise Campus Development Plan
D) Design Guidelines

Site Planning
- Building setbacks will be a minimum of 30’ from both the pond and residential access road edges.
- Entries will address the NE/SW axis developing in response to the “Quad” formed by Thompson, Asbury and Henson Halls that runs between the Drama Building and Cantrell Hall.
- Locate service access on the northeast side of the building, screened from view.
- Exterior gathering space will front onto the lawn to the south and west with unobstructed views to the lake and wetlands.

Circulation and Parking
- New pedestrian walks and landscape elements at the north and east sides of the building will provide attractive walkway access and improve circulation around the building, while also providing service access.

Architecture
- The design will conform to the spirit and specific requirements of the 2000 Architectural Guidelines of the College at Wise.
- Materials, building massing and roof forms inspired by the two newest dorms, Henson and Cuthbertson, will compliment other campus buildings.
- Framed views to the south and west will be the focus of the main dining area.
- The building will be visible from all four sides, as well as areas of higher elevation from major College buildings and main campus axis. Care will be taken to offer well designed facades for all elevations and the roof itself.
- Evaluate and integrate the basic tenets of sustainable design.

Landscape
- Walkways will encompass planting and paving schemes to achieve coordinated pedestrian scale and welcoming exterior public spaces.
- Plantings will not impede views to lake or to the central campus.
- Preserve trees on the west side of existing building and incorporate into design where possible.
- Screen service yard and loading areas.
- Provide adequate pedestrian lighting.
- Incorporate storm water management into wetlands upgrade.

Review and Compliance
The Office of the Architect for the University is responsible for the review and approval of project compliance with these guidelines
BOARD MEETING: May 16, 2006

COMMITTEE: Buildings and Grounds

AGENDA ITEM: II.C. Concept, Site, and Design Guidelines, New Residence Hall at the College at Wise

$8,450,000 Bonds

BACKGROUND: This project constructs a new 116 bed residence hall at the College at Wise. The project includes a 30 student classroom to help address the current classroom shortage and to integrate teaching with residential facilities. This will be the third and final dormitory in the College’s program to increase on-campus housing to between 800 and 1,000 beds. Henson Hall, which opened in the fall of 2000, was the first dormitory in this program. Culbertson Hall, which opened earlier this year, was the second. With the completion of this dormitory, the total on-campus bed count will be 799. The budget for the project will be between $8.0 and $8.9 million and funding will be provided by bonds, with debt service financed by room rates.

DISCUSSION: The Office of the Architect has prepared the concept, site and design guidelines. Mr. Neuman will review the guidelines with the Committee.

ACTION REQUIRED: Approval by the Buildings and Grounds Committee

APPROVAL OF CONCEPT, SITE, AND DESIGN GUIDELINES FOR THE NEW RESIDENCE HALL AT THE COLLEGE AT WISE

RESOLVED that the concept, site, and design guidelines, dated May 16, 2006, and prepared by the Architect for the University, for the new Residence Hall at The University of Virginia’s College at Wise are approved; and

RESOLVED FURTHER that the project will be presented for further review at the schematic design level of development.
B) Proposed Project Concept

Due to the continuing growth of the student population, the College is currently at capacity and operating with a waiting list for housing. Demand outpaces housing availability both on campus and in the surrounding community. The local housing market is unable to provide a reliable number of high-quality, competitively priced accommodations. Maintaining adequate housing for undergraduates on campus is vital if the College at Wise is to attract, retain and build a strong, vibrant community. Without additional housing, the College will need to consider limiting enrollment growth.

With an attractive view of the lake and wetland, the site is in an area traditionally devoted to housing. The new residence will join the, soon to be completed, Culbertson Residence Hall to the south-west and the planned, new dining hall to the east. The increased density will allow the College to keep undergraduate housing central to other housing units and, at the same time, close to the central campus and student amenities. The site is highly visible from the loop road and the residential access road. A thoughtfully conceived landscape plan will establish physical and visual connections linking this area to the central part of the campus, the wetland and the athletic precinct to the north.

The proposed residence hall will provide double rooms organized along a double-loaded central corridor. Three levels provide easy access and good communication between the floors. In addition, the residence halls provide a variety of community spaces for individual or small group study, social gathering, games and recreation. Laundry and other services are centrally located on the ground floor. It is anticipated that the residence hall will include a classroom to be used for curricular and extra-curricular activities, as well. The facility will have approximately 116 beds and will be between 30 and 31 thousand gross square feet. The project budget is estimated at between $8.0 and 8.9 million.
B) Siting Criteria
The University of Virginia general siting criteria for all new facilities include the following components. Those highlighted are the most pertinent in determining the siting recommendation for the New Student Residence Hall.

- Conforms to overall land use plan and district/area plans.
- Reinforces functional relationships with other components of the same department or program, and is compatible with other neighboring uses.
- Satisfies access requirements—pedestrian, bicycle, vehicular and service.
- Maximizes infill opportunities to utilize land resources and existing infrastructure.
- Minimizes site development costs, including extension of utilities, access, loss of parking, mass grading, etc.
- Minimizes opportunity cost; i.e., value of this use and size versus other alternatives.
- Provides a size that is adequate, but not excessive, for initial program, future expansion, and ancillary uses.
- Allows for incorporating sustainability principles in terms of solar orientation, reuse of historic structures, storm water management, etc.
- Avoids unnecessary environmental impacts, including significant tree removal or filling of existing stream valleys.
- Allows site visibility and aesthetic character as appropriate for the intended use and for the neighboring context.
- Minimizes time for implementation of the project.
C) Proposed Site: College at Wise Campus Development Plan
College at Wise Student Residence III – Concept, Site and Design Guidelines

Location Plan – Site T

View of Site T

Project Site

Setbacks to align with setback established by Culbertson Hall

Preserve Trees

Existing cottages to be demolished

SCALE: 1" = 50'
D) Design Guidelines

Site Planning
- Building setbacks will use the dimensions established by the new Culbertson Residence Hall, maintaining the same distance from the lake edge and from the existing curb.
- Entries will address Penn Virginia Way and the central campus.
- Provide an exterior gathering space that will front onto an unobstructed view to the lake and wetland.
- Utilities, transformer and chiller placement shall conform to utility master plan and be screened by an architectural wall.

Circulation and Parking
- New pedestrian walks and landscape elements will provide attractive walkway access and improve circulation around the building.
- Primary entry will provide safe, sheltered drop-off zone.
- Provide 3-4 service/disabled parking spaces adjacent to building.
- Locate service access on the northeast side of the building, screened from view of adjacent buildings and roadways.

Architecture
- The design will conform to the spirit and specific requirements of the May 2000 Architectural Guidelines of the College at Wise.
- Materials, building massing and roof forms will be guided by the two newest College at Wise residence halls, Henson and Culberson.
- Views to the central campus will be the focus of internal building circulation.
- The building will be visible from all four sides, as well as areas of higher elevation from major College buildings. Care must be taken to offer well designed facades on all sides, and also for the roof itself.
- Evaluate and integrate the basic tenets of sustainable design.

Landscape
- Walkways will encompass planting and paving schemes to achieve coordinated pedestrian scale and welcoming exterior public spaces.
- Plantings will not impede views to lake, wetland and the central campus.
- Preserve existing trees and incorporate into design where possible.
- Screen service yard and loading areas.
- Provide adequate pedestrian lighting.
- Avoid impact to existing, adjacent major slope

Review and Compliance
The Office of the Architect for the University is responsible for the review and approval of project compliance with these guidelines.
UNIVERSITY OF VIRGINIA
BOARD OF VISITORS AGENDA ITEM SUMMARY

BOARD MEETING: May 16, 2006

COMMITTEE: Buildings and Grounds

AGENDA ITEM: II.D. Revised Concept, College at Wise Arts Center (formerly Drama Building Addition)

$ 7,475,000 General Obligation Bonds
$ 4,000,000 Gifts
$11,475,000

BACKGROUND: This project renovates the 10,300 gross square foot Drama building at The University of Virginia’s College at Wise and constructs a 25,005 gross square foot addition. This is the first major renovation since the building was built in 1974. The project will provide enhanced instruction, practice and performance spaces for theater, music, and dance. The budget is $11.475 million with $7.475 million funded by the State through General Obligation Bonds and $4.0 million funded by gifts. The selection of Bushman Dreyfus Architects of Charlottesville was approved on September 2, 2003. The revised Concept, Site, and Design Guidelines were approved on December 8, 2004. The original schematic design was approved on March 31, 2005, for the project’s original scope and $7.475 million budget. Since that time major design changes are being made to accommodate an expanded project that was made possible by a $4 million gift.

DISCUSSION: The Office of the Architect has prepared the revised concept, which Mr. Neuman will review with the Committee.

ACTION REQUIRED: Approval by the Buildings and Grounds Committee

APPROVAL OF REVISED CONCEPT FOR THE COLLEGE AT WISE ARTS CENTER

RESOLVED that the revised concept, dated May 16, 2006, and prepared by the Architect for the University for the Arts Center at The University of Virginia’s College at Wise, is approved; and

RESOLVED FURTHER that the project will be presented for further review at the schematic design level of development.
Project Location – Site B-2

Project Site
College at Wise Arts Center: expanded program area on first floor

Note: Red dashed line encloses additional project program.
College at Wise Arts Center: expanded program area on first floor

Note: Red dashed line encloses additional project program.
BOARD MEETING: May 16, 2006

COMMITTEE: Buildings and Grounds

AGENDA ITEM: III. Reports by the Vice President for Management and Budget

ACTION REQUIRED: None

DISCUSSION: The Vice President for Management and Budget will provide a progress report on the 2005-2006 Goals and Work Plan for the Buildings and Grounds Committee. The attached Architect/Engineer Selection Report shows that two engineering firms which were not on a term contract were selected for a project of less than $5 million for the period ended March 31, 2006.
<table>
<thead>
<tr>
<th>Project</th>
<th>Selection Date</th>
<th>A/E Selected</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>The University of Virginia’s College at Wise Main Entrance</td>
<td>10/17/05</td>
<td>David Hill Studio, Roanoke, VA</td>
<td>Design and construction documents; budget is $2 million</td>
</tr>
<tr>
<td>Chiller for Alderman and Clemons Libraries</td>
<td>3/2/06</td>
<td>Ross Infrastructure Hunt Valley, MD</td>
<td>Replacement study for chiller; project budget is $1.9 million</td>
</tr>
</tbody>
</table>
BOARD MEETING: May 16, 2006

COMMITTEE: Buildings and Grounds

AGENDA ITEM: IV. Reports by the Architect for the University

ACTION REQUIRED: None

DISCUSSION: The Architect for the University will provide reports on "The Grounds Plan", the master planning process currently underway for the University Grounds, and on the Environmental Sustainability Guidelines.