

**UNIVERSITY OF VIRGINIA
BOARD OF VISITORS**

**Meeting of the
Buildings and Grounds
Committee**

June 2, 2022

Buildings and Grounds Committee

**Thursday, June 2, 2022
2:15 – 3:15 p.m.
Board Room, The Rotunda**

Committee Members:

Robert D. Hardie, Chair	Barbara J. Fried
Louis S. Haddad, Vice Chair	L.F. Payne
Robert M. Blue	C. Evans Poston Jr.
Mark T. Bowles	James V. Reyes
Elizabeth M. Cranwell	Whittington W. Clement, Ex-officio
Thomas A. DePasquale	Lily A. Roberts, Student Representative

AGENDA

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**UNIVERSITY OF VIRGINIA
BOARD OF VISITORS AGENDA ITEM SUMMARY**

BOARD MEETING: June 2, 2022

COMMITTEE: Buildings and Grounds

AGENDA ITEM: I. Remarks by the Chair

ACTION REQUIRED: None

BACKGROUND: The Committee Chair will provide introductory remarks.

**UNIVERSITY OF VIRGINIA
BOARD OF VISITORS AGENDA ITEM SUMMARY**

BOARD MEETING: June 2, 2022

COMMITTEE: Buildings and Grounds

AGENDA ITEM: II.A. Nomination to the Art & Architectural Review Board

BACKGROUND: The Art and Architectural Review Board (AARB) recommends and approves building designs for all state capital projects. Pursuant to [§ 2.2-2400](#) of the Code of Virginia, one of the citizen members of the AARB may be appointed from a list of persons nominated by the Board of Visitors.

DISCUSSION: Helen Wilson, Senior Landscape Architect, has served as a member of the AARB for the last eight years and is not eligible for reappointment. The Architect for the University recommends that the Board nominate Julia Monteith, Associate University Planner, and Rachel Lloyd, Senior Landscape Architect, for consideration by the Governor as a citizen member of the Art and Architectural Review Board.

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

NOMINATION TO THE ART AND ARCHITECTURAL REVIEW BOARD

WHEREAS, pursuant to § 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 may be appointed from a list of persons nominated by the governing board of the University of Virginia;

RESOLVED, the Board of Visitors recommends to the Governor that Julia Monteith, Associate University Planner, and Rachel Lloyd, Senior Landscape Architect, be considered for appointment as a citizen member to the Art and Architectural Review Board.

**UNIVERSITY OF VIRGINIA
BOARD OF VISITORS AGENDA ITEM SUMMARY**

BOARD MEETING: June 2, 2022

COMMITTEE: Buildings and Grounds

AGENDA ITEM: II.B.1. Naming: Courts at the Virginia Tennis Complex at the Boar’s Head Sports Club

BACKGROUND: University policy states that names for academic units, programmatic initiatives, and physical structures and spaces on the University of Virginia Grounds or property owned or leased by the University of Virginia or a University-Associated Organization, if used by the University, shall be approved by the Board of Visitors. The proposed name is recommended by the University’s Naming and Memorials Committee and by President Ryan.

Completed in the fall of 2020, the Virginia Tennis Complex at the Boar’s Head Sports Club includes six collegiate competition courts and one exhibition court. The Virginia men’s and women’s tennis teams began playing the outdoor portion of their seasons at the Complex in 2021. The University of Virginia Foundation oversaw the construction of the Complex and maintains the facility on behalf of the University.

DISCUSSION: UVA Athletics raised significant philanthropic support for the Tennis Complex and wishes to recognize this support in the proposed namings of the facility’s courts and scoreboard. Athletics seeks the Board of Visitors’ approval for these namings, which were dedicated provisionally on April 30, 2022, pending Board approval.

Name	Background
Gordon Burris Center Court	Gordon Burris received a master’s degree in physical education from UVA and is a former long-time UVA employee, including roles as head soccer, tennis, and golf coach; assistant dean of admission; major gifts officer; and special assistant to the president. The naming recognizes a collective fundraising effort that raised \$1.22M, led by UVA alumni Lindsay Wortham (School of Education and Human Development, 1974) and Harry Burn (College and Graduate School of Arts and Sciences [CLAS], 1966).
Maureen “Little Mo” Connolly Court	Cindy Brinker Simmons graduated from UVA in 1979 and was a member of the women’s tennis team. The naming of court #1 recognizes philanthropy from Ms. Simmons, who requested that the court be named in honor of her mother, Maureen Connolly. Ms. Connolly won the Grand Slam of tennis in 1953 at 18 years old, the first woman ever to do so.

Name	Background
Moszkowski Family Court	Neal and Amanda Moszkowski became generous supporters of UVA when their son Ethan began his academic and athletic careers at UVA. He graduated from UVA in 2021 and was a member of the tennis team for four years. The naming of court #2 recognizes the Moszkowskis' giving to Athletics.
Scott L. Lebovitz/ Edwin H. Lewis Court	Both UVA graduates, Mr. Lebovitz (1997) and Mr. Lewis (1996) were members of the tennis team. The naming of court #3 recognizes their philanthropy to Athletics.
David and Francis Dickenson Court	Mr. Dickenson is a 1964 graduate of the CLAS and was a member of the men's tennis team. The naming of court #4 recognizes the Dickensons' support of Athletics.
Kanstoroom Family Court	David and Pam Kanstoroom are 1990 CLAS graduates, and Mr. Kanstoroom was a member of the tennis team; their daughter is a current UVA student. The naming of court #5 recognizes the Kanstorooms' philanthropy to Athletics.
Jim Stephens Court	Peter Drake, a 1970 CLAS graduate, led a fundraising effort among the friends of Jim Stephens to name court #6 in his honor. He graduated from UVA in 1967 and was a member of the tennis team. He received the Norton Pritchett Memorial Award in both 1965 and 1966, which is presented annually to a UVA men's tennis player based on leadership, cooperative spirit, and unselfish service to UVA Athletics. Mr. Stephens also served as the head men's tennis coach from 1972-1974.
Dockter Family Scoreboard	Scott and Sally Dockter graduated from UVA in 1989, and Mr. Dockter played on the men's tennis team. They have four children, all of whom attended UVA, and their youngest son is a current member of the men's tennis team. The naming of the scoreboard recognizes the Dockters' giving to Athletics.

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

NAMING THE COURTS AT THE VIRGINIA TENNIS COMPLEX AT THE BOAR'S HEAD SPORTS CLUB

WHEREAS, the Virginia Tennis Complex at the Boar's Head Sports Club was completed in fall 2020, and the Virginia men's and women's tennis teams began playing the outdoor portion of their seasons at the Complex in 2021; and

WHEREAS, UVA Athletics raised significant philanthropic support for the Complex and wishes to recognize many lead donors for the project through naming the facility's courts and scoreboard;

RESOLVED, the Board of Visitors approves the naming of the Gordon Burris Center Court, the Maureen “Little Mo” Connolly Court, the Moszkowski Family Court, the Scott L. Lebovitz/Edwin H. Lewis Court, the David and Francis Dickenson Court, the Kanstoroom Family Court, the Jim Stephens Court, and the Dockter Family Scoreboard; and

RESOLVED FURTHER, the Board of Visitors, the University, and UVA Athletics offer profound thanks to the benefactors who so generously support UVA Athletics and the Virginia tennis program.

**UNIVERSITY OF VIRGINIA
BOARD OF VISITORS AGENDA ITEM SUMMARY**

BOARD MEETING: June 2, 2022

COMMITTEE: Buildings and Grounds

AGENDA ITEM: II.B.2. Naming: Klotz Family Courtyard at Monroe Hall

BACKGROUND: University policy states that names for academic units, programmatic initiatives, and physical structures and spaces on the University of Virginia Grounds or property owned or leased by the University of Virginia or a University-Associated Organization, if used by the University, shall be approved by the Board of Visitors. The proposed name is recommended by the University's Naming and Memorials Committee and by President Ryan.

Radford (Roddy) Klotz graduated from the College and Graduate School of Arts and Sciences (CLAS) in 1977 with a B.A. in Economics. He was an Echols Scholar and member of the Kappa Sigma fraternity, and he lived on the Lawn. Mr. Klotz is a 45-year veteran of Brown Brothers Harriman, a nearly 200-year-old privately held financial institution. He is a partner in the firm and currently serves as Head of the Fixed Income Investment Process Group. He is a trustee of the College Foundation Board, serves on the UVA Gift Planning Professional Advisor Network, and has served as a Reunions volunteer.

Shahnaz (Nazee) Batmanghelidj currently serves as President of Höegh Capital Partners, which she joined in 2000. She provides coverage of third-party funds within North America, with an emphasis on private equity and long only equity funds. She holds a B.A. in Politics, Philosophy, and Economics from the University of Oxford; an M.A. from Princeton University; and an M.B.A. from Harvard Business School.

Mr. Klotz and Ms. Batmanghelidj live in Mill Neck, NY and have two sons, Herbert and Marcus, both of whom are CLAS graduates with a B.A. in History.

DISCUSSION: Roddy Klotz and Nazee Batmanghelidj are very generous benefactors of the University. Their philanthropy includes establishing a Faculty Excellence in Economics endowment as well as a Bicentennial Scholarship; they have also supported the Jefferson Scholars Foundation, The Virginia Fund, and historic preservation. In recognition of their generous support of the University, the CLAS and the College Foundation propose naming the Monroe Hall central courtyard as the Klotz Family Courtyard. The courtyard is an outdoor landscaped space with a variety of seating where students, faculty and staff, and guests gather.

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

NAMING OF THE KLOTZ FAMILY COURTYARD AT MONROE HALL

WHEREAS, Radford Klotz graduated from the UVA College and Graduate School of Arts and Sciences in 1977 with a B.A. in Economics; and

WHEREAS, Mr. Klotz is currently a partner of the firm Brown Brothers Harriman, and his spouse, Shahnaz Batmanghelidj, is President of Höegh Capital Partners; and

WHEREAS, Mr. Klotz and Ms. Batmanghelidj are parents of two UVA alumni and have been generous supporters of areas across the University including the College and Graduate School of Arts and Sciences, the Jefferson Scholars Foundation, The Virginia Fund, and historic preservation;

RESOLVED, the Board of Visitors approves the naming of the Monroe Hall central courtyard as the Klotz Family Courtyard; and

RESOLVED FURTHER, the Board, the University, and the College and Graduate School of Arts and Sciences offer profound thanks to Mr. Klotz and Ms. Batmanghelidj for their outstanding support of the University.

**UNIVERSITY OF VIRGINIA
BOARD OF VISITORS AGENDA ITEM SUMMARY**

BOARD MEETING: June 2, 2022

COMMITTEE: Buildings and Grounds

AGENDA ITEM: II.B.3. Naming: Voorhees Bridge Canopy Walk at the Inn at Darden Arboretum and Botanical Gardens

BACKGROUND: University policy states that names for academic units, programmatic initiatives, and physical structures and spaces on the University of Virginia Grounds or property owned or leased by the University of Virginia or a University-Associated Organization, if used by the University, shall be approved by the Board of Visitors. The proposed name is recommended by the University’s Naming and Memorials Committee and by President Ryan.

Steve Voorhees is a 1980 graduate of the UVA Darden School of Business. He currently serves as CEO of WestRock Company, which provides paper and packaging solutions in consumer and corrugated markets. He earned a bachelor’s degree in economics and mathematics from Northwestern University. He and his wife, Celia, reside in Atlanta and have four children, including Darden alum Paul Voorhees (2014).

DISCUSSION: Steve and Celia are supporters of the Darden School and gave generously to the Inn at Darden Redevelopment Project. Their philanthropic support also includes gifts to faculty and research initiatives, as well as unrestricted support for the Darden Annual Fund and endowment. The Darden School and Darden School Foundation seek the Board of Visitors’ approval to recognize the Voorhees’ support by naming a bridge in the new Arboretum and Botanical Gardens as the Voorhees Bridge Canopy Walk. The bridge will connect the Darden parking garage to the redeveloped Inn at Darden complex.

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

NAMING OF THE VOORHEES BRIDGE CANOPY WALK AT THE INN AT DARDEN ARBORETUM AND BOTANICAL GARDENS

WHEREAS, Steve Voorhees is a 1980 graduate of the UVA Darden School of Business; and

WHEREAS, Mr. Voorhees currently serves as CEO of WestRock Company; and

WHEREAS, Mr. Voorhees and his wife, Celia, are UVA parents and generous supporters of the Darden School of Business whose philanthropy includes giving to the Inn at Darden Redevelopment Project, faculty and research initiatives, and unrestricted support;

RESOLVED, the Board of Visitors approves the naming of the Voorhees Bridge Canopy Walk at the Inn at Darden Arboretum and Botanical Gardens; and

RESOLVED FURTHER, the Board, the University, and the Darden School of Business offer profound thanks to Mr. and Ms. Voorhees for their generous support.

**UNIVERSITY OF VIRGINIA
BOARD OF VISITORS AGENDA ITEM SUMMARY**

BOARD MEETING: June 2, 2022

COMMITTEE: Buildings and Grounds

AGENDA ITEM: II.C. 2022 Major Capital Plan

BACKGROUND: The revised multi-year major capital plan is presented annually to the Board of Visitors for review in March and approval in June. The Buildings and Grounds Committee determines whether a project should be added to the Major Capital Plan, and the Finance Committee evaluates whether there is a sound financing plan to pay for the estimated project cost and additional operating costs expected once a project is complete.

In June 2021, the Board of Visitors approved the 2021 Major Capital Plan for the Academic Division, UVA Health, and the College at Wise. In accordance with the University's capital planning process, the University updates the Major Capital Plan annually to add new projects, remove projects that are no longer a priority, and evaluate/prioritize projects based on the following criteria:

- Aligns with institutional priorities/strategy and supports the University's long-term mission.
- Responds to a legal, compliance, or regulatory mandate.
- Addresses a life-safety risk.
- Addresses more than one school, unit, or function.
- Provides value and benefit and minimizes potential risk to the University and the community.
- Improves current conditions.
- Presents a viable funding plan for both construction and ongoing expenses.
- Is flexible to adapt to changing needs and/or can be repurposed for other University needs.
- Has considered a plan for engaging and communicating with stakeholders.

The proposed 2022 Major Capital Plan has been reviewed with the Space Leadership Committee (SLC) and executive leadership to ensure alignment with institutional priorities and the 2030 Strategic Plan and was reviewed with the Buildings and Grounds Committee at the March 2022 meeting.

DISCUSSION: The proposed 2022 Major Capital Plan, as shown on the following pages, revises the plan approved by the Board in June 2021 to include current cost estimates, add new projects, and remove projects no longer planned within the next six years.

Planning/design authorization is proposed for three projects:

- Center for the Arts
- School of Architecture Center for Design
- Engineering Academic Building

Eight major capital projects are proposed to be added to the 2022 Major Capital Plan, the last four of which have been proposed since the review of the plan with the Buildings and Grounds Committee in March:

- Institute for Biotechnology
- Ivy Corridor Landscape and Infrastructure Phase IIA
- Memorial Gym Infrastructure and Accessibility Renewal
- Monroe Hall Addition HVAC Renewal
- Darden Student Housing
- Parking Garage
- Physics Building Classrooms
- Pinn Hall Integrated Spatial Biology Core Consortium

The University recommends removing one project previously approved by the Board of Visitors: Batten School Academic Building as space for the Batten School is being designed into the Karsh Institute of Democracy.

In addition to the projects proposed to be added to the 2022 Capital Program, the University plans to initiate two strategic planning and space needs studies that will inform future capital projects:

- Child Development Center Feasibility Study
- School of Nursing Instructional Space Study

Ms. Sheehy will review the proposed 2022 Major Capital Plan. Write-ups describing the proposed additions to the Major Capital Plan are included in the written reports.

UVA PROPOSED 2022 MAJOR CAPITAL PLAN

Academic Division					
Project (\$ in millions)	Budget	State GF	Gifts	Debt	Cash
<i>Projects under construction</i>					
Alderman Library Renewal	\$ 163.90	\$ 143.90	\$ 20.00		
Brandon Avenue Upper-Class Residence Hall	\$ 114.00			\$ 63.02	\$ 50.98
Contemplative Commons	\$ 69.00		\$ 49.00	\$ 15.00	\$ 5.00
Gilmer Hall and Chemistry Building Renovation	\$ 197.03	\$ 146.70		\$ 42.53	\$ 7.80
Inn at Darden	\$ 135.00		\$ 30.00	\$ 91.50	\$ 13.50
Ivy Corridor Landscape & Infrastructure Phase I	\$ 60.00			\$ 56.00	\$ 4.00
Lambeth Field Apartments HVAC Improvements	\$ 14.50			\$ 14.50	
Low Temperature Hot Water Conversion	\$ 35.00			\$ 34.50	\$ 0.50
Massie Road Utility Extension	\$ 11.00			\$ 6.00	\$ 5.00
School of Data Science	\$ 53.50		\$ 5.50	\$ 48.00	
Smith Hall Renovation (Darden)	\$ 14.00		\$ 7.20	\$ 6.80	
West Grounds Chilled Water Capacity	\$ 8.00			\$ 8.00	
<i>Projects in planning/design</i>					
Athletics Complex Phase III - Football Operations Center	\$ 80.00		\$ 24.70	\$ 31.00	\$ 24.30
Athletics Complex Phase IV - Olympic Sports Center	\$ 65.00		\$ 35.00		\$ 30.00
Chemistry Building Fume Exhaust Renewal	\$ 8.50				\$ 8.50
Karsh Institute of Democracy (includes Batten)	\$ 80.00		\$ 5.00	\$ 75.00	
McIntire Academic Facility (Shumway Hall)	\$ 132.70		\$ 17.50	\$ 115.20	
Physics Building Renewal	\$ 62.80	\$ 60.42			\$ 2.38
Tech Talent Investment Program Phase I	\$ 3.00	\$ 3.00			
UVA Hotel & Conference Center	\$ 167.90		\$ 3.00	\$ 144.90	\$ 20.00

Academic Division

Project (\$ in millions)	Budget	State GF	Gifts	Debt	Cash
Projects not yet initiated (proposed projects in red text)					
Near-term initiation (2022-24)					
School of Architecture Center for Design (planning/design)	\$ 4.00		\$ 4.00		
Center for the Arts (planning/design)	\$ 11.10		\$ 11.10		
Darden Student Housing	TBD				
Engineering Academic Building (planning/design)	\$ 5.00		\$ 5.00		
Fontaine Central Energy Plant & Utilities	\$ 55.00			\$ 40.00	\$ 15.00
Fontaine Infrastructure & Parking Garage	\$ 87.00			\$ 87.00	
Institute for Biotechnology	\$ 350.00	\$ 175.00	\$ 100.00	\$ 75.00	
Ivy Corridor Landscape & Infrastructure Phase IIA	\$ 11.80				\$ 11.80
Mem Gym Infrastructure & Accessibility Renewal	\$ 20.50			\$ 20.50	
Monroe Hall Addition HVAC Renewal	\$ 9.00			\$ 4.50	\$ 4.50
Parking Garage	\$ 54.00			\$ 46.80	\$ 7.20
Physics Building Classrooms	\$ 7.00				\$ 7.00
Pinn Hall Integrated Spatial Biology Core Consortium	\$ 8.50		\$ 8.00		\$ 0.50
Mid-term initiation (2024-2026)					
Environmental Health & Safety Facility	\$ 28.00		\$ -	\$ 28.00	
Pinn Hall Renovation Phase II	\$ 38.00			\$ 38.00	
UVA Museum (planning)	\$ 3.00		\$ 3.00		
Long-term initiation (2026-beyond)					
Center for Politics	\$ 14.00		\$ 14.00		
Darden Academic Building	\$ 85.00		\$ 85.00		
Old Cabell Hall Renewal	\$ 60.00	\$ 60.00			
Student Activities Building	\$ 17.00			\$ 17.00	

Academic Division planning studies

In progress:

- Chemistry Addition Chillers Replacement
- Grounds Plan Update
- Massie Road Utility Plant Expansion
- Strategic Thermal Energy
- Tech Talent Investment Program Programming

Proposed:

- Child Development Center Feasibility Study
- School of Nursing Instructional Space

UVA Health					
Project (\$ in millions)	Budget	State GF	Gifts	Debt	Cash
<i>Project under construction</i>					
Cancer Center - MRI LINAC	\$ 8.00				\$ 8.00
<i>Project in planning/design</i>					
Consumer Ambulatory Clinic (tenant fit-out)	\$ 15.00				\$ 15.00
Focused Ultrasound Expansion	\$ 16.50				\$ 16.50
Multi-Disciplinary Ambulatory Clinic Building	\$ 155.00			\$ 77.50	\$ 77.50
UVA Encompass Rehab Hospital Renovation/Expansion	\$ 35.00				\$ 35.00
<i>Projects not yet initiated</i>					
<i>Mid-term initiation (2024-2026)</i>					
Data Center	\$ 23.00				\$ 23.00

UVA Health planning studies in progress:

- Clinic Lab Building
- Hospital Façade Replacement

College at Wise

Project (\$ in millions)	Budget	State GF	Gifts	Debt	Cash
<i>Project in planning/design</i>					
Wyllie Library Renovation and Conversion	\$ 16.60	\$ 16.60			
<i>Projects not yet initiated</i>					
<i>Near-term initiation (2022-24)</i>					
Darden Hall Renovation	\$ 31.22	\$ 31.22			
Technology Classroom Building	\$ 52.00	\$ 52.00			
<i>Mid-term initiation (2024-2026)</i>					
Sandridge Science Center Lab Wing Renovation	\$ 39.10	\$ 39.10			
<i>Long-term initiation (2026-beyond)</i>					
Athletic Building	\$ 24.70		\$ 24.70		
Bowers-Sturgill Hall Renovation	\$ 5.90	\$ 5.90			
Campus Welcome/Public Safety Facility	\$ 5.60	\$ 5.60			
Music Education Center	\$ 45.20	\$ 22.60	\$ 22.60		
Zehmer Hall Renovation	\$ 23.10	\$ 23.10			

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

2022 MAJOR CAPITAL PLAN FOR THE ACADEMIC DIVISION, UVA HEALTH, AND THE COLLEGE AT WISE

WHEREAS, in accordance with the University's capital planning process, major capital projects are vetted by the Space Leadership Committee and executive leadership, as well as by appropriate committees of the Board of Visitors, to ensure alignment with institutional priorities; and

WHEREAS, the University proposes authorizing planning/design for three projects in the Academic Division: Center for the Arts, School of Architecture Center for Design, and Engineering Academic Building; and

WHEREAS, the University proposes adding eight projects to the Academic Division's Major Capital Plan: Darden Student Housing, Institute for Biotechnology, Ivy Corridor Landscape and Infrastructure Phase IIA, Memorial Gym Infrastructure and Accessibility Renewal, Monroe Hall Addition HVAC Renewal, Parking Garage, Physics Building Classrooms, and Pinn Hall Integrated Spatial Biology Core Consortium; and

WHEREAS, at the request of the project sponsors the University proposes removing one project from the Academic Division's Major Capital Plan: Batten School Academic Building;

RESOLVED, the 2022 Major Capital Plan for the Academic Division, UVA Health, and the College at Wise is approved.

**UNIVERSITY OF VIRGINIA
BOARD OF VISITORS AGENDA ITEM SUMMARY**

BOARD MEETING: June 2, 2022

COMMITTEE: Buildings and Grounds

AGENDA ITEM: III. 2030 Grounds Framework Plan

ACTION REQUIRED: None

The University has engaged with Urban Strategies to update the 2008 Grounds Plan which has served as the master plan for the physical Grounds for the last decade. Ms. Raucher will review progress on the revised UVA Grounds Framework Plan.

**UNIVERSITY OF VIRGINIA
BOARD OF VISITORS AGENDA ITEM SUMMARY**

BOARD MEETING: June 2, 2022

COMMITTEE: Buildings and Grounds

AGENDA ITEM: IV. Remarks by the Senior Vice President for Operations and State Government Relations

ACTION REQUIRED: None

A. Construction Market Data

Ms. Sheehy will introduce Mr. Don Sundgren, Associate Vice President and Chief Facilities Officer, who will discuss current national trends in the construction market and the impact on UVA's major capital program.

B. Implementation of Capital Program Recommendations

Ms. Sheehy will report on the University's progress in implementing the recommendations and findings of the Major Capital Program Review/Assessment that were presented to the Buildings and Grounds Committee in September 2020.

WRITTEN REPORTS

**Buildings and Grounds Committee
University of Virginia**

June 2, 2022

UVA SUSTAINABILITY: June 2022



In April 2022, the Darden School of Business announced new [sustainability goals](#), building upon previous successes, and in alignment with UVA's 2030 Sustainability Plan. The guiding principles state that Darden will continue to be a preeminent educator and thought leader in sustainability, innovating new offerings and scholarship and that Darden will live its values, minimizing its footprint while helping its community flourish. Darden has also created a new Sustainability Council composed of students, faculty, staff, alumni, and members of the Darden School Foundation Board of Trustees. Several schools and units across UVA are currently in the process of developing school- and unit-specific sustainability plans.

Additional highlights from across Grounds:

DISCOVER

- **Summer Decarbonization Academy:** The Teaching & Research Subcommittee of the University Committee on Sustainability, with support from the Environmental Resilience Institute, is launching UVA's inaugural [Summer Decarbonization Academy](#). The Academy will occur June 13 to August 5 and will provide a paid internship for rising third-year, fourth-year, and graduate students currently enrolled in any UVA program who are interested in working towards UVA's goals of being carbon neutral by 2030 and fossil fuel-free by 2050. Knowledge generated will be summarized as a written report and as an interactive project poster, which will be presented at a symposium hosted by UVA's ERI. Participants will engage with faculty and staff through the program's two signature components: a hands-on, individual decarbonization learning project and group-based shared learning activities to develop connections among the fellows and foster dissemination of cutting-edge content.

STEWARD

- **Electric Buses:** UVA is beginning to transition its transit fleet from diesel power to a more sustainable alternative with the purchase of four new battery electric buses. The new zero-emission buses are expected to be delivered by fall 2023. University Transit Services, operated by UVA's Department of Parking and Transportation (P&T), has approximately 40 buses in its fleet. Staff from P&T began in-depth research of electric buses in fall 2020. With a life cycle of 12 to 15 years for each bus, the team understood that every future bus purchase presented an opportunity to advance the goals of the University's Sustainability Plan. Each bus uses about 10,000 gallons of diesel fuel each year. By replacing four diesel buses with battery electric buses, UTS will reduce its carbon emissions by about 400 metric tons annually. This is roughly equivalent to the annual emissions of 50 average homes.
- **2022 Governor's Environmental Excellence Gold Award:** Thanks to the commitment of a pan-university UVA working group and the efforts of thousands of students, staff, faculty, and vendors over the past year, UVA received a [Governor's Environmental Excellence Gold Award](#) for its comprehensive work to eliminate single-use plastics. The award is given annually for successful and innovative efforts that improve Virginia's environment.
- **EPA Top 30 – Renewable Energy:** UVA was again named in the [EPA's top 30](#) colleges and universities (#24) for renewable energy, for the EPA's Green Power Partnership program.

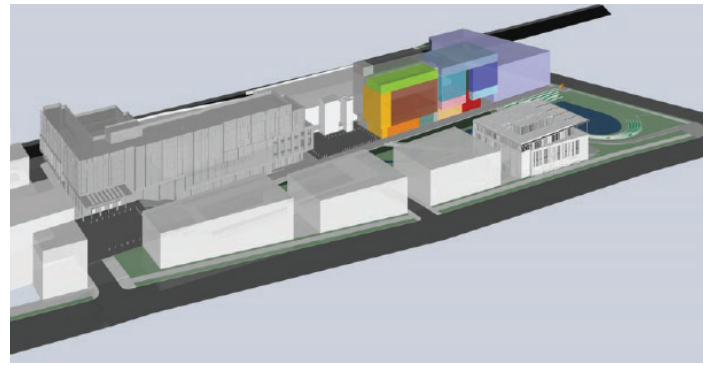
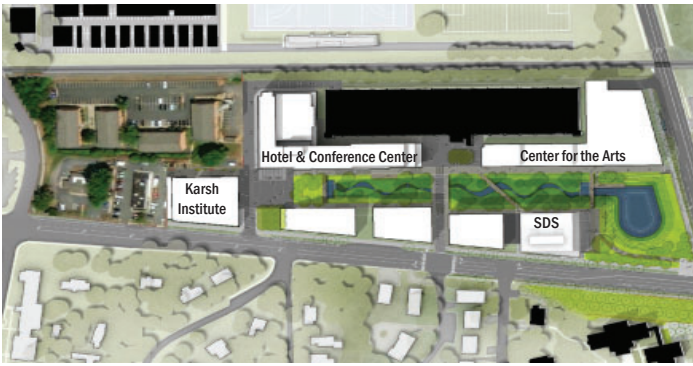
- **APPA 2022 Effective & Innovative Practices Award:** Facilities Management and the Department of Engineering Systems and Environment have received a national award for a new training course that combines driving safely and boosting fuel efficiency: “FM Fleet & UVA Engineering: Partners in Promoting Mindful Driving at FM.” The training includes multiple eco-driving tips, including the reduction of idling vehicles and harsh acceleration, which can both result in fuel savings and greenhouse gas emissions reductions. The team has also been using software that alters a vehicle’s standard code to idle slower and shift differently to boost fuel efficiency, which has resulted in an almost six percent increase in fuel economy, saving each vehicle over 23 gallons of fuel and reducing 457 pounds in greenhouse gas emissions annually. This software is now enabled on 10 Facilities Management Fleet vehicles, with ongoing discussions to possibly expand to additional vehicles at the University.
- **Department of Energy Better Climate Challenge:** UVA has joined more than 90 organizations and companies across the country in the Department of Energy’s [first Better Climate Challenge cohort of partners](#). The Better Climate Challenge calls on participants to cut greenhouse gas emissions by 50% within ten years across their portfolio without using offsets, and sharing knowledge, expertise, and experience. The challenge aligns with UVA’s goal to be carbon neutral by 2030. UVA partners with the DOE on several other programs, including the Better Buildings Challenge, the Better Buildings Alliance, and the Low Carbon Pilot program.

ENGAGE

- **Community MLK Celebration:** In January, an “Affordable Housing is Sustainable Housing” event was held, a collaboration between the UVA Sustainability Civic Engagement Subcommittee and the Community Climate Collaborative, focused on addressing the climate crisis while centering human well-being, equity, and justice. Guest speakers included leaders from Piedmont Housing Alliance, the Piedmont Environmental Council, Cultivate Charlottesville, and the Local Energy Alliance Program. Each speaker shared perspectives on solutions for both affordability and sustainability within the realm of housing.
- **Landfill Diversion and Zero Waste Programs:** This spring zero waste events and composting infrastructure continued to expand through strong student leadership and commitment, with zero waste pilots at Palmer Park during the softball season and the Amphitheater food trucks in the spring semester. During student move-out, Hoos ReUse, an annual donation drive to encourage students living on or off Grounds to donate gently used items during move-out, enabled students to donate clothing, furniture, electronics, non-perishable foods, and other useful items to benefit non-profits.

Green Labs Certification: In 2019, the Peirce-Cottler Lab in the Department of Biomedical Engineering was one of the first labs at UVA to become certified as a Green Lab under the Office for Sustainability’s certification program. Now, it is the first lab to be recertified, and is the longest continuously UVA certified lab thanks to their commitment to sustainability. A signature change they made was switching the set point on their ultra-low freezers from -80C to -70C, which significantly decreased energy consumption of those units while still effectively preserving research samples. Recertification is necessary every three years, and this year, the lab revisited their sustainability practices, maintained equipment, shared equipment, got involved with the Green Labs Working Group, and more.

www.sustainability.virginia.edu



University of Virginia

CENTER FOR THE ARTS (PLANNING/DESIGN)

Executive Summary

As reflected in the Open Grounds at Emmet-Ivy initiative, the University plans to enhance community and encourage cross-disciplinary discoveries in an active and engaging environment on the Emmet-Ivy Corridor through three interrelated nexuses: Creativity, Democracy, and Discovery. The anchor of the Creativity nexus will be a new Center for the Arts that will also support other institutional strategies including the student experience; recruiting and sustaining excellent faculty; research; and community service and engagement. The University plans to seek both philanthropic and state support to fund the new Center for the Arts, which will combine elements needed to support commercial concerts and road shows aimed at a regional audience with elements needed to support student shows, Music Department programs, and creative arts.

2021 at \$195.5M, will be updated when the program and scope are final. The University has secured a leadership gift of \$50.0M.

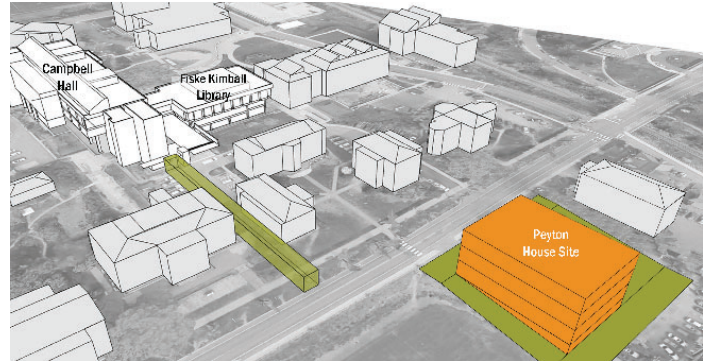
Financial Information

Estimated planning/design cost: \$11.1M funded via private gifts

Project Background

The University will continue to refine the building's programming and scope during the planning process, but preliminary planning efforts ideally envision an approximately 120,000 GSF facility that will create important new spaces for academics and for student organizations including, but not limited to: a large capacity theater, recital hall, black box theater, white box multi-function space, and rehearsal rooms.

In 2019 the Vice Provost for the Arts and University Architect completed an extensive market and feasibility study for the project, including a cost estimate, using the consultant Dumont-Janks and others. Facilities Management is currently refreshing construction estimates, and the project team is also exploring benchmarks and peer reviews of other performing arts centers. The total project budget, estimated in fall



University of Virginia

SCHOOL OF ARCHITECTURE CENTER FOR DESIGN (PLANNING/DESIGN)

Executive Summary

The School of Architecture (SARC) seeks to construct a collaborative teaching and research hub that will house the UVA Center for Design. The proposed 37,300 GSF building, potentially located on Rugby Road at the current Peyton House site, is consistent with findings from a 2021 space needs and feasibility study and will help SARC address growing sponsored research, instructional, and office needs. Enrollment has grown by 18% since 2014-15, primarily in the design disciplines; faculty sponsored research also continues to grow, requiring additional collaborative research space. Finally, SARC needs a collaborative space to support design thinking research and curriculum in the areas of digital media, collaborative community storytelling, augmented reality for virtual reality (VR) and head-mounted display (HMD), and advancing architectural space with interactive 3D elements. The Center for Design will be accessible to faculty and students working in this space across Grounds.

Project Background

This proposal is the result of a multi-year assessment through which SARC evaluated several options for space additions, including three potential locations for additions to Campbell Hall. Two primary drivers for this project are (1) an increase in funded research and cross-Grounds collaboration requiring research hubs; and (2) the need for additional office space for faculty and staff.

The proposed project is the optimal choice among the options considered and will contribute to both SARC's and the University's missions in several critical ways, while enabling more cost-effective construction:

- Elevate the University's arts corridor on Rugby Road
- Increase visibility of the University's design innovation, applied research, and community engagement through rotating public engagement labs making design and visualization facilities available to all UVA students and faculty, and enabling more student/faculty collaboration and partnerships across Grounds and with the broader community
- Add innovative active learning spaces for research and teaching
- Provide much-needed office space for faculty and staff

Financial Information

Estimated planning/design cost: \$4.0M funded via private gifts



University of Virginia

ENGINEERING ACADEMIC BUILDING (PLANNING/DESIGN)

Executive Summary

In support of needs identified in recent space studies, the School of Engineering and Applied Science (Engineering) seeks to construct a large new academic instructional and laboratory building, ideally on Whitehead Road just west of Rice Hall. A new, modern facility will address a significant portion of Engineering's documented space deficit while also serving important programmatic goals.

Project Background

Engineering faces an acute space shortage due to rapid growth of faculty, graduate student enrollment, and research programs, as well as increasing demand for technical training in computer and data science methods across the University. Currently, many existing programs are housed in poor-quality or misfit space due to lack of available alternatives. One-third of Engineering's space is rated as "poor condition" based on its current use.

The 2015 STEM precinct study and the 2018 Engineering Integrated Space Plan (ISP) recommend replacing the current 6,300 assignable square foot (ASF) Albert Small Building on Whitehead Road. The 2018 ISP suggests that up to 100,000 ASF could be realized, substantially meeting Engineering's identified needs of an additional 120,000-150,000 ASF of new space. The proposed project will focus on high-value features that are not available in current facilities, including wet and dry research and instructional laboratories in proximity to computational modeling space, which has become integrated with experimental work in recent years. The large-scale feature of the proposed building will enable broad cross-discipline integration and take advantage of the multi-functional nature of engineering scholarship.

Anticipated program elements include:

- Computational research and academic program space to support initiatives from computational disciplines, including artificial intelligence, data security, and the Tech Talent Initiative
- Computer Science and Computer Engineering programs
- Entrepreneurial programming for students, collaboratively produced with the Darden Graduate School of Business and the McIntire School of Commerce

Financial Information

Estimated planning/design cost: \$5.0M funded via private gifts



University of Virginia

DARDEN GRADUATE SCHOOL OF BUSINESS STUDENT HOUSING

Executive Summary

The University of Virginia Darden Graduate School of Business is well known for its vibrant academic community where learning occurs both within the classroom and beyond. The Darden Student Housing Project is an opportunity for Darden to fully realize a community consistent with Thomas Jefferson’s original vision for UVA to create a holistic learning and living community, the Academical Village. The proposed project also supports the 2030 Plan goal to “cultivate the most vibrant community in higher education” and “offer [students] an unparalleled experience while on Grounds.”

Historically, most students have relied on private housing near the Darden Grounds; approximately 89% of Darden students live within walking proximity of Darden Grounds, while 11% commute from further distances in Charlottesville. Many of Darden’s peers have on-campus housing exclusively for their MBA students, and the trend among the top 15 business schools is to offer similar housing options. When this project is realized, residential life at Darden will become a strategic, vibrant, and integral part of a complete educational experience for Darden students.

Project Background

With a long list of shared amenities and communal spaces and a variety of thoughtfully designed accommodations that range from spacious 1-bedroom to 3-bedroom apartments, the proposed project recognizes the diversity of Darden students and their needs, be they single professionals or married with young children. All of Darden’s learning and living facilities would be within easy reach: dining (including venues to be located at the new UVA Inn at Darden

and the renovated Abbott Center), library and study spaces, indoor and outdoor recreation, and parking. All residential units will provide immediate access to the Darden Grounds as well as capture views either towards large, beautifully landscaped courtyards; the adjacent Arboretum to the east; or the forested hills to the north and west. The existing Darden School footprint and parking facilities would be leveraged to make the project business model more financially responsible and attractive; such attributes are not as readily available at certain other sites. Further, it is expected that the project would attract significant donor interest.

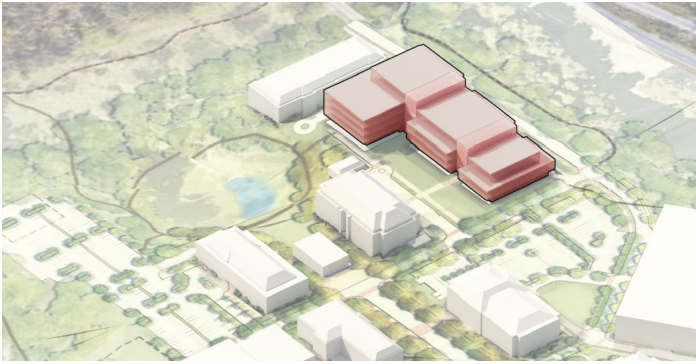
The proposed student housing project will provide approximately 440 beds to support a Darden MBA residential student population of approximately 680-690 students, before accounting for the additional housing needs of many students who have partners and families. Overall, the project will provide housing for approximately 60% of Darden’s students. The project will also include new recreation amenities and create new pedestrian-scaled brick paths lined with shade trees.

Proposed Timeframes

Planning/Design: FY2023
Construction: TBD
Expected Completion: TBD

Financial Information

Estimated project cost: TBD
Fund sources: Private gifts and debt



University of Virginia

INSTITUTE FOR BIOTECHNOLOGY

Executive Summary

The University of Virginia has a longstanding reputation for conducting quality, fundamental biomedical research and has earned national and international acclaim for innovations in cancer, cardiovascular disease, infectious disease, bioengineering, and neurosciences. To further advance these efforts, UVA seeks to establish an Institute for Biotechnology, a state-of-the-art and first-of-its-kind translational research program in the Commonwealth that will create an environment that inspires, supports, accelerates, and promotes cutting-edge and out-of-the box discoveries and translates these from the research laboratory to clinical care. The ultimate outcome is to ensure that no Virginian needs to leave the Commonwealth to obtain high quality health care.

Project Background

Establishing the UVA Institute for Biotechnology will require construction of a state-of-the-art facility, as well as recruitment of new faculty researchers. The 350,000 GSF Institute will include a 20,000 SF CGMP/viral vector unit that will have the capacity to manufacture both cell and protein-based investigational therapies, as well as viral vectors for researchers and partnering biotechnology companies.

The proposed new facility will enable the University to catalyze cutting-edge research capable of creating new and innovative clinical therapies and of making Virginia a national leader in research discovery, translation, and clinical care by:

- Further expanding the overall research portfolio at UVA.
- Developing translational “cores” including cellular therapy, gene therapy and viral vectors, and drug delivery technologies, among others.

- Significantly enhancing UVA’s infrastructure for entrepreneurship, innovation, and translation.
- Investing in clinical trials infrastructure and new facilities.
- Recruiting new, experienced faculty and research scientists to the Commonwealth.

The ability to translate these discoveries to clinical therapies serves as an engine for regional and statewide economic growth and development. Patients with access to clinical trials benefit by receiving new, innovative therapies and the most up-to-date clinical care.

Proposed Timeframes

Planning/Design: Summer 2022

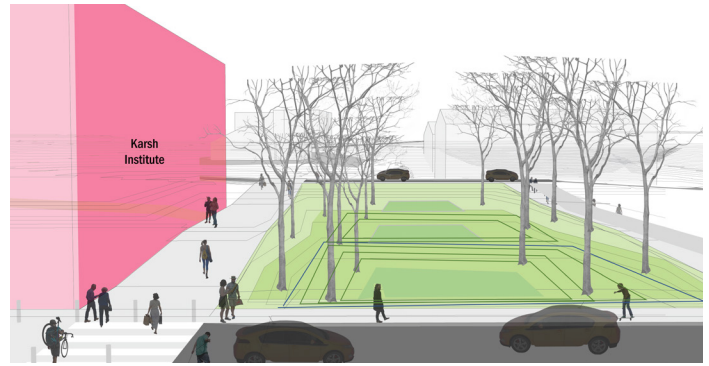
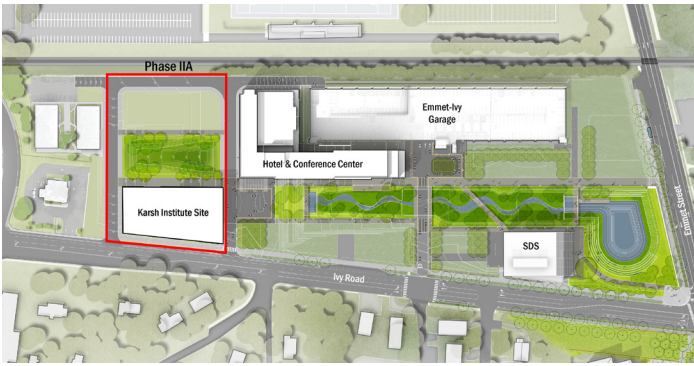
Construction: Fall 2023

Expected Completion: Summer 2026

Financial Information

Estimated project cost: \$350.0M

Fund sources: State general funds (\$175.0M), private gifts (\$100.0M), debt (\$75.0M)



University of Virginia

IVY CORRIDOR LANDSCAPE AND INFRASTRUCTURE PHASE IIA

Executive Summary

The Ivy Corridor Landscape Framework Plan identified several parcels for redevelopment from Emmet Street to Copeley Road. The first phase, currently under construction with anticipated completion in spring 2023, encompasses property east of Cameron Lane to Emmet Street. The School of Data Science and the University Hotel and Conference Center are the first two buildings to be constructed on the Ivy Corridor. Phase IIA will continue the vision of the Ivy Corridor Landscape Framework Plan through redevelopment of property west of Cameron Lane up to 2033 Ivy Road which currently houses Athletics operations functions. The timing of the redevelopment effort has been accelerated to prepare the site, including all necessary utilities and infrastructure, for the Karsh Institute of Democracy and future redevelopment along the site.

Project Background

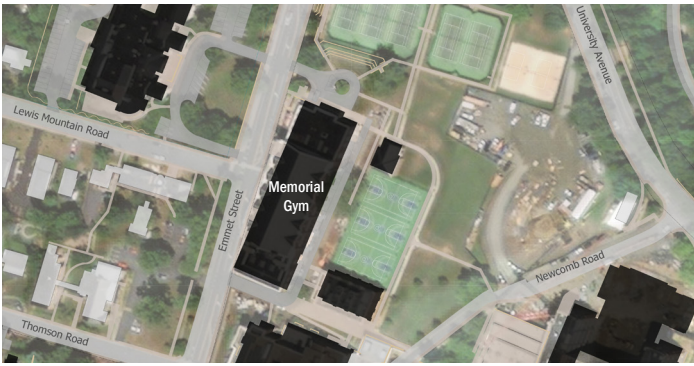
The Ivy Corridor Landscape Framework Plan, prepared in 2019, guides the redevelopment of the four-block, 14.5-acre parcel located between Ivy Road and the railroad tracks. The eastern corner at the intersection of Emmet Street (Route 29) and Ivy Road (Route 250) presents an opportunity of symbolic importance to the University. Given the size of the parcel and other factors, the redevelopment was divided into two phases. Phase I includes all property east of Cameron Road and is currently under construction. Phase IIA will support the redevelopment of a significant portion of the remainder of the Ivy Corridor site including the demolition of existing facilities and grading, utilities, infrastructure, landscaping, and stormwater management necessary to support future buildout of the site. To complete this work, the University must also purchase certain parcels of land from the UVA Foundation.

Proposed Timeframes

Planning/Design: Summer 2022
 Construction: Summer 2023
 Expected Completion: Summer 2025

Financial Information

Estimated project cost: \$9.8M-\$11.8M (plus \$10.5M in property acquisitions from the UVA Foundation)
 Fund source: Cash



University of Virginia

MEMORIAL GYMNASIUM INFRASTRUCTURE AND ACCESSIBILITY RENEWAL

Executive Summary

In operation for nearly 100 years, the 83,000 gross square foot Memorial Gymnasium (Mem Gym) has several significant deferred maintenance needs. In 2017, the University replaced the slate roof on the center portion of the building, and in 2018, installed air conditioning in the main gymnasium space. The brick exterior is currently undergoing an extensive renovation. Significant work will be required to address the outdated and deficient mechanical, electrical, and fire suppression systems, as well as the building's lack of accessibility. This project will upgrade deteriorating building systems and extend Mem Gym's long history of supporting academic course work and University community activities.

Project Background

Mem Gym was constructed in 1924 in memory of the 80 University alumni who lost their lives during World War I. The brick and concrete structure, based on the Roman Baths of Diocletian, was designed by Fiske Kimball, founding dean of the School of Architecture, and is classified as "Essential to the University" in the Historic Preservation Framework Plan. Additionally, the building is individually listed on the Virginia Landmarks Register and National Register of Historic Places. Approximately 50 academic courses are held in Mem Gym each semester, and it also supports the Kinesiology program in the School of Education and Human Development, the UVA volleyball and wrestling teams, intramural and recreational sports, and University major events including Final Exercises and reunion weekends.

Major repairs and improvements, to date, have been one-off projects including the slate roof replacement, air conditioning of the main gymnasium, and the

brick exterior renovation. The proposed project will holistically address the building infrastructure by:

- Replacing the domestic water and sanitary sewer lines throughout the building
- Installing ADA-compliant restrooms on the 1st floor
- Modernizing the HVAC system to provide conditioned air throughout the building and eliminate window a/c units
- Repairing all windows
- Installing fire suppression throughout the facility
- Upgrading electrical and lighting systems
- Replacing the Emmet Street sidewalk to improve accessibility and usability of the main gymnasium space
- Enhancing ADA accessibility to entrances and the streetscape

Proposed Timeframes

Planning/Design: Summer 2022

Construction: Summer 2023

Expected Completion: Summer 2025

Financial Information

Estimated project cost: \$19.0M-\$20.5M

Fund sources: Debt (debt service covered by deferred maintenance funds)



University of Virginia

MONROE HALL ADDITION HVAC RENEWAL

Executive Summary

The addition to Monroe Hall was completed in the mid-1980s. The HVAC system installed in the addition is nearing the end of its useful life and was designed in a way that causes high indoor humidity during mid-summer weather. This HVAC renewal project replaces the aging HVAC components, improves the system's ability to dehumidify in mid-summer, and improves the system's ability to respond to variable heating/cooling needs during the transitional weather of the spring and fall. This project will provide more comfortable teaching and faculty office spaces, and will incorporate energy recovery aligning with the University's sustainability goals.

Project Background

The Monroe Hall addition totals over 34,000 gross square feet, and provides spaces for more than 200 classes, discussion sections, and other credit-bearing activities, as well as some supporting offices. The addition was designed to visually integrate into the original structure and has a prominent façade that forms the south side of the Alderman Quad. Monroe Hall is classified as "Important to the University" in the Historic Preservation Framework Plan.

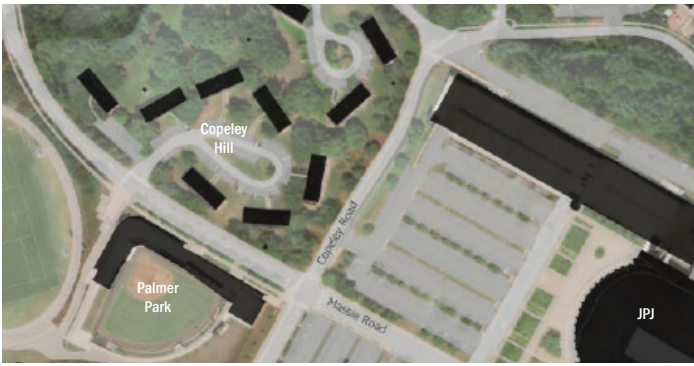
The proposed project will replace the three air handling units that serve the addition and will significantly improve the fan coil units. The new equipment will include new controls for improved operations; where feasible, existing ducts and pipes will be reused. The construction work is proposed to be phased over two summers to minimize disruption to academic activities during the fall and spring semesters.

Proposed Timeframes

Planning/Design: Summer 2022
Construction: Spring 2023
Expected Completion: Spring 2025

Financial Information

Estimated project cost: \$7.5M-\$9.0M
Fund sources: Debt (\$3.25M-\$4.5M) and cash (\$3.25M-\$4.5M)
Debt service and cash provided by deferred maintenance funds



University of Virginia

PARKING GARAGE

Executive Summary

As the Ivy Corridor is fully redeveloped, the 1,250-car Emmet Ivy Parking Garage, currently utilized by commuters, residents, transient parkers, and event patrons, will be needed to support facilities and operations within the Ivy Corridor. The University Hotel and Conference Center will soon begin construction joining the School of Data Science that began in Spring 2022. The Karsh Institute of Democracy and the Center for the Arts are in preliminary planning phases. The current parking inventory displaced by the Ivy Corridor redevelopment must be met in a location that serves multiple constituencies and links effectively to transit. The proposed parking garage will be effectively shared by daily commuters and patrons to athletic and other University events. Conceptual designs ensure that the inventory can be effectively supported by transit.

Project Background

The 2019 Parking and Transportation (P&T) Master Plan projected a near-term parking inventory shortfall associated with increased demand due to growth and reduced parking supply due to various capital projects. The study recommended strategies to reduce demand, and also recommended building additional parking to address the inventory gap, specifically in North Grounds. While many of the demand reduction strategies have been implemented and are effective, parking demand associated with certain populations – e.g., employees working on Grounds and event patrons – has remained steady through the pandemic and is projected to increase. Fortunately, these are two parking demand constituencies that can effectively share the same parking inventory.

Building on the findings of the 2017 North Grounds Planning study and the 2019 P&T Master Plan, the University embarked on another study in 2021 to explore parking options, including both surface-lot alternatives and garages, that would add between 390 and 1,030 net new parking spaces to the parking system and create inventories that could be shared by commuters and event patrons.

The steering committee, which included representatives from the Office of the Architect for the University, Facilities Management, Athletics, UVA Health, Parking and Transportation, and Business Operations, recommends construction of a new facility that:

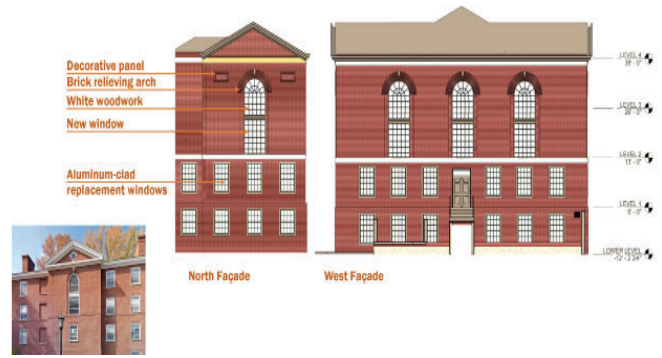
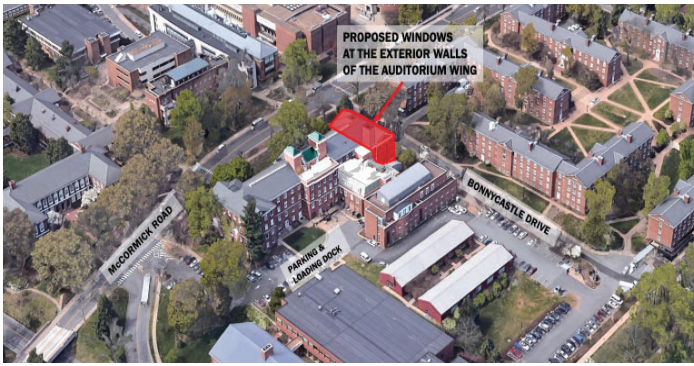
- Adds 1,000+ net new parking spaces;
- Does not disrupt current commuter or event operations;
- Is capable of being effectively shared by various constituencies; and
- Can be effectively served by transit operations.

Proposed Timeframes

Planning/Design: Summer 2023
Construction: Spring 2024
Expected Completion: Fall 2025

Financial Information

Estimated project cost: \$54.0M
Fund sources: TBD



University of Virginia

PHYSICS BUILDING CLASSROOMS

Executive Summary

The Physics Building will undergo a phased renovation beginning this spring/summer that is funded by state general funds. As planning progressed, the College and Graduate School of Arts and Sciences (CLAS) developed a plan to convert two existing tiered classrooms at the west end of the building into three flat floor active learning classrooms. This was not part of the scope of the state-funded project, but the University will be able to leverage the timing of the renewal project and convert these two outdated classrooms into more flexible and modern space.

Project Background

Currently, there are two nested and steeply tiered traditional lecture halls in the Physics Building that penetrate the second and third floors of the west end of the building. One classroom seats 224 students and the other seats 124 students.

When the Physics Building renewal project was originally designed and presented to the state for funding, the CLAS and the Physics department were not planning to shift away from core lecture-style courses. As a result, renovation of these classrooms was not included as part of the originally envisioned project. Since that time, however, core courses in chemistry, calculus, and statistics have been redesigned to be conducted in an active learning environment, and courses in biology, psychology, and physics will be redesigned in a similar way. Given the instructional method redesign, lecture-style auditoria have become obsolete, and the University needs to increase the number of active-learning classrooms.

The project will redesign the west end of the building.

A new second floor structure will be constructed and fitted with systems, finishes, equipment and furniture; and will house one 3,900 SF flat floor classroom for 126 students. The third floor will house one 1,250 SF flat floor classroom for 36 students and one 2,600 SF wide-tier hybrid auditorium for 120 students.

Proposed Timeframes

Planning/Design: Summer 2022
 Construction: Fall 2022
 Expected Completion: Summer 2024

Financial Information

Estimated project cost: \$7.0M (cash)



University of Virginia

PINN HALL INTEGRATED SPATIAL BIOLOGY CORE CONSORTIUM

Executive Summary

Research in the School of Medicine (SOM) is supported by an integrated network of shared resource cores that are centrally administered by the Dean's Office for Research and the Office of Research Core Administration (ORCA); these research cores are currently located throughout the School of Medicine in several buildings including Pinn Hall. The SOM's strategic research plan includes a goal to advance spatial biology and develop core infrastructure. The proposed project will integrate and consolidate several relevant cores to synergize spatial biology technology and resources.

Project Background

Serving as a critical connection point between the Medical Center's patient care facilities and SOM research space, Pinn Hall is a central hub for instructional and research space for the School of Medicine. Built in 1971, Pinn Hall was designed for independent research groups that were common from the 1940s through the 1980s. These existing laboratory configurations restrict the flexibility required for interdisciplinary, collaborative research essential to modern methods of scientific investigation.

In 2016, as part of the Health System's integrated space planning process, the University initiated a phased renovation of Pinn Hall to accommodate new initiatives, sustain current levels of activity, and attract and retain the highest caliber faculty and students. The first phase of the renovation, completed in December 2020, created an open lab concept that promotes flexible, adaptable, collaborative space and maximizes space utilization of the floorplate.

The proposed project will renovate and modernize 6,800 SF of space on the first floor of Pinn Hall and co-locate elements of the Advanced Microscopy Facility, the Biomolecular Analysis Facility, the Biorepository and Tissue Research Facility, and the Genome Analysis and Technology Core into an open, flexible workspace in which researchers are able to conduct complex spatial biology experiments. The co-localization of these cores in a shared space with ORCA will allow for better interaction among staff collaborating on research projects, as well as enhanced oversight and project management. Given the complexity of these technologies, the ability for researchers to work in proximity will expedite their work in a concerted, efficacious manner.

The SOM has submitted a grant proposal to National Institute of Health (NIH) to cover most of the project cost; if the grant is not funded, the project will not move forward until an alternate fund source is identified.

Proposed Timeframes

Planning/Design: Fall 2022
Construction: Fall 2023
Expected Completion: Spring 2025

Financial Information

Estimated project cost: \$8.5M
Fund sources: Grants (\$8.0M) and cash (\$0.5M)



University of Virginia

CHILD DEVELOPMENT CENTER FEASIBILITY STUDY

The University contracts its child development/care services for the operation of two academic centers: the Copeley Center facility owned by the University and the Earhart Center leased by the contract provider. Combined, the two centers serve 179 children, supporting Academic Division faculty/staff and full-time students with child development/care needs. The centers run at capacity and enrollment openings are in high demand.

The centers need additional space to bring the University's child development program closer to an ideal early education learning environment. The current centers lack indoor motor skills developmental space, as well as space to accommodate UVA faculty/student research activities. In addition, a lack of office/conference space for parent meetings and planning makes it challenging to operate efficiently. Modernizing the centers will assist in attracting and retaining high-quality early education staff and in elevating offerings for students during their early developmental years.

In addition to space needs, the study will consider the feasibility of consolidating the two centers which could potentially offer continuity for providers, for children as they advance through the classes/age groups, and for families; and possible efficiencies in staffing and rotational roles.

Other key drivers to help determine the appropriate size of a new facility will include Commonwealth of Virginia Departments of Education and Social Services licensing requirements and NAEYC licensing and accreditation requirements for early childhood development. Compliance with these requirements is critical for accreditation and ensures the space will meet child-to-care provider ratios, among other factors.













University of Virginia

SCHOOL OF NURSING INSTRUCTIONAL SPACE STUDY

With the renovation of the Clinical Simulation Learning Center taking three classrooms offline permanently, the School of Nursing needs additional classroom space, especially for larger classes like Pharmacology and Pathophysiology. The proposed space study will explore options to increase instructional spaces and classrooms to better serve the School's students and faculty, focusing specifically on opportunities on the first floor of McLeod Hall and the current auditorium space.

Capital Program Improvements Implementation Status Report					revised 05.16.22
Area		Recommendations	Priority	Timeline	Status
1	Program / Project Ownership	Develop and implement project charter process	High	Pilot in summer 2022 with new capital projects	
2	Project Management Processes & Tools	Develop a coordinated set of project management procedures and tools/templates	Medium	Targeted completion summer 2022	
		Devise an oversight strategy to ensure project teams are complying with required processes	Low	Targeted completion fall 2022	
3	Reporting & Communication	Prepare regular program-level dashboard reports	High	Present to leadership and B&G Committee in June 2022	
		Prepare regular project status reports (link in dashboard and email to key stakeholders)	High	Pilot through spring 2022 with full implementation by summer 2022	
		Explore additional development of e-Builder reporting capabilities	Low	TBD	
		Develop a Campus Client Guide	Medium	Targeted completion fall 2022 (contingent on changes in policies/ procedures)	
4	Budget Development & Management	Conduct a more rigorous budget development process that includes applying risk management principles to formally establish, track, and forecast contingency needs	High	Pilot in summer 2022 with new capital projects	
		Track subsequent adjustments to the approved budget and basis of estimate in a report/log that identifies the cause of any change and how increases will be funded	High	Pilot in summer 2022 with new capital projects (include with project charter process)	

Capital Program Improvements Implementation Status Report					revised 05.16.22
Area		Recommendations	Priority	Timeline	Status
5	Design Management	Adhere to a design-to-budget approach	Medium	TBD	
		Standardize value management logs	Medium	Pilot in summer 2022 with new capital projects (include with project charter process)	
6	Design Criteria	Allow more economical design solutions based on building location and function (e.g., housing vs. academic)	Low	Design solution/options will be included in discussion at initial Project Steering Committee meeting for all new projects	
		Review and update Facility Design Guidelines	Medium	FDGs reviewed and updated on a three-year cycle (most recent update completed December 2021)	
7	Project Delivery Strategy	Consider the optimal project delivery method given a project's goals and constraints (e.g., CM at Risk may not be necessary for straightforward projects)	Low	Delivery method will be included in discussion at initial Project Steering Committee meeting for all new projects	
		When using early packages, ensure the design and CM teams have adequate time and resources to coordinate such work with the balance of design to avoid excessive scope gaps and change orders	Medium	Targeted completion by fall 2022	
8	Change Management	Develop and implement a detailed change order management process to promote consistency in the assessment and negotiation of contractor change order proposals	High	Targeted completion by fall 2022	

Capital Program Improvements Implementation Status Report					<i>revised 05.16.22</i>
Area		Recommendations	Priority	Timeline	Status
9	Risk Management	Establish a standard risk management process that includes developing and updating a risk register for the duration of a project	High	Pilot in summer 2022 with new capital projects (linked to project charter & dashboard)	
10	Cost & Schedule Management	Regularly monitor and report out on cost and schedule variances and trends	High	Summer 2022 (linked to dashboard & project status reports)	
11	Lessons Learned	Develop a standard process and format for discussing and documenting lessons learned	Low	Targeted completion fall/winter 2022	
12	Staff Development & Training	Develop and enhance in-house scheduling, estimating, and risk management expertise.	Low	Targeted completion fall 2022 ; training modules under development and being piloted with new hires	