Committee Minutes

BUILDINGS AND GROUNDS COMMITTEE

The Inn at Virginia Tech – Duck Pond Room

April 1, 2019

Closed Session

Board Members Present: Greta Harris, C.T. Hill, Tish Long, Robert Mills, Tim Sands, Dennis Treacy, Horacio Valeiras, Preston White

Virginia Tech Staff: Elaine Gall, Mark Gess, Kay Heidbreder, Chris Kiwus, Kayla Smith, Sherwood Wilson

1. The Committee received a briefing by Legal Counsel on probable litigation.

Open Session

Board Members Present: Greta Harris, C.T. Hill, Mehmood Kazmi, Tish Long, Robert Mills, Dennis Treacy, Horacio Valeiras, Preston White

Virginia Tech Staff: Bill Abplanalp, Mac Babb, Callan Bartel, Bob Broyden, Van Coble, Joe Crane, Susan Duncan, Kevin Foust, Elaine Gall, Mark Gess, Alan Grant, Lee Hawthorne, Patrick Hilt, Chris Kiwus, Sharon Kurek, Sarah McCoy, Nancy Meacham, Liza Morris, Saied Mostaghimi, Mike Mulhare, Dwayne Pinkney, Charlie Phlegar, Savita Sharma, Susan Short, Frank Shushok, Kayla Smith, Dwyn Taylor, Jon Clark Teglas, Tracy Vosburgh, Jack Washington, Luke Watson, Sherwood Wilson, Chris Wise

Guests: Carrie Cheung, Justin Davis, Michael Geary, Kaitlin Gutenson, Maya Johnson, Blake Smith, Michael Wheeler

2. **Tour:** The Committee toured the Virginia Tech Rescue Squad Station, the College of Liberal Arts and Human Sciences Building, and the FutureHAUS.

3. **Welcome**

4. **Consent Agenda:** The Committee approved and accepted the items listed on the Consent Agenda:

* **a. Approval of the Minutes from the November 4, 2018 Meeting**

* **b. Resolution to Authorize the Negotiation and Termination of Ground Lease Agreement Restrictions with the City of Falls Church:** The Committee approved a resolution to secure the release and/or termination of restrictive covenants set forth in the Ground Lease Agreement with the City of Falls Church in a manner satisfactory to Virginia Tech.

* **c. Resolution on the Partial Demolition of University Building No. 0130:** The Committee approved the university's request to demolish the north wing of Holden Hall (building number 0130). This wing is a Hokie Stone and concrete structure with a partial basement that will be replaced as part of the Holden Hall renovation project.

* **d. Resolution on the Partial Demolition of University Building No. 0550:** The Committee approved the university's request to demolish a concrete silo component of university building number 0550. The demolition is proposed in conjunction with the Livestock and Poultry Research Facilities – Phase I project which seeks to enhance spaces available to the College of Agriculture and Life Sciences. While the university requests approval to demolish the silo, the larger barn structure shall remain.

* **e. Acceptance of the Capital Project Status Report:** The Committee accepted the quarterly capital project status report.

5. Presentation on the Virginia Tech Rescue Squad: The Committee received an overview and presentation from the Virginia Tech Rescue Squad, an all-volunteer, student-run organization that has provided emergency medical service to the university community since 1969.

6. Tour Briefing and Report from the Ad Hoc Committee on Agricultural Facilities: The ad hoc committee of Board members joined Virginia Tech faculty and staff on a statewide tour of agricultural research and extension centers (ARECs) and other research facilities from February 25 to 28. These distributed research sites are essential to ensuring the discovery and outreach efforts of the university reflect the diverse needs of the Commonwealth's citizens and economy. At each location, participants received presentations on the activities occurring at the site, toured some of the facilities, and learned about the support needs of each off-campus team.

A summary of themes from the tour, organized as strengths and opportunities, was developed by management and shared with the Buildings and Grounds Committee during the meeting. Key strengths identified include: existing security measures, a well-established liaison for health and safety services, and the strong relationships the teams at each site have built with stakeholders, industry leaders, community volunteers, local public schools, and government leaders who support their work. Opportunities where central campus teams can better support the sites include: improving awareness of various mechanisms for facilities-related work; exploring

procurement options and delegated authorities for common repairs; improved WiFi availability; and branding.

Several Board members who participated in the tour also shared their reflections from the trip during the discussion. Mr. Mills, Ms. Harris, and Mr. Valeiras encouraged additional outreach efforts to industry, including underrepresented agricultural producers, and further promotion of the existing strong partnerships with Virginia State University and Virginia Cooperative Extension to raise more awareness of the ARECs' programs and opportunities. They also highlighted the need for targeted investments in facilities, equipment, and talent throughout the locations to enhance the system's ability to serve as an economic catalyst. Mr. Treacy and Mr. Valeiras emphasized the importance of the ARECs in maintaining engagement and supporting the university's land-grant mission throughout the state, particularly in rural communities.

7. **Presentation on Construction Procurement Methods:** The Committee received an overview of construction procurement methods available to and utilized by the university in the execution of capital construction and renovations projects. Dr. Pinkney emphasized the importance of having flexibility in choice of construction methods to best support the variety of projects at the university.

8. **Briefing on Design of Non-Capital Venture Out Building:** The Committee received a briefing on the design for the Venture Out Building. This project, funded by Student Affairs, seeks to improve student ability to engage in active recreation, through the provision of a venue for both indoor climbing and the rental of equipment for other outdoor sports.

9. **Briefing on Early Site Work for the Creativity and Innovation District Living-Learning Community:** The Committee received a briefing on early site work for the Creativity and Innovation District Living-Learning Community.

10. **Future Agenda Items and Closing Remarks:** The Committee discussed potential topics for inclusion on future meeting agendas.

    Members requested more detailed information on AREC facility planning, including a prioritized list of projected facility needs per site at the next meeting. They requested that the presentation include information on which specific needs could be addressed at these distributed sites under each of the two related line items included in the 2020-2026 Capital Outlay Plan for Agency 229.

Joint Open Session with the Finance and Resource Management Committee

Board Members Present: Greta Harris, C.T. Hill, Mehmood Kazmi, Tish Long, Robert Mills, Horacio Valeiras, Preston White

Virginia Tech Staff: Bill Abplanalp, Mac Babb, Callan Bartel, Richard Blythe, Bob Broyden, Caroline Buscaglia, Van Coble, Joe Crane, Ali Cross, Brian Daniels, Jeff Earley, Kevin Foust, Elaine Gall, Bryan Garey, Michael Geary, Mark Gess, Lee Hawthorne, Patrick Hilt, Chris Kiwus, Sharon Kurek, Jake Martin, Sarah McCoy, Nancy Meacham, Liza Morris, Mike Mulhare, Dwayne Pinkney, Charlie Phlegar, Charlie Ruble, Savita Sharma, Dwight Shelton, Frank Shushok, Kayla Smith, Tammie Smith, Dwyn Taylor, Sue Teel, Jon Clark Teglas, Luke Watson, Sherwood Wilson, Chris Wise

* 1. **Approval of the 2020-2026 Capital Outlay Plan:** The Committees reviewed for approval the 2020-2026 Capital Outlay Plan. The university prepares an updated Six-Year Capital Outlay Plan every two years as part of its normal planning and budgeting cycle. The Plan is a critical component of positioning the university for state support of major Educational and General projects and for advancing high priority projects that may be funded entirely with nongeneral fund resources. The next state capital outlay plan will be for 2020-2026 and will be established in the 2020 budget development process. Traditionally, the state requires each institution to submit a capital plan in June of the year before a new biennium begins. Based on that timetable, a plan from the university for 2020-2026 will be due to the state in June of 2019.

Preliminary work has been done to identify potential projects for inclusion in the 2020-2026 Capital Outlay Plan in anticipation of future guidance and instructions from the state. These projects are consistent with programmatic needs and with the strategic plan of the university, and position the university with options to respond to guidance from the state.

Since the submission date for the Plan may occur before the June 2019 Board of Visitors meeting, the university is requesting the review and approval of the list of potential projects for inclusion in the 2020-2026 Capital Outlay Plan. The university will provide an update to the status of the 2020-2026 Plan at a future Board of Visitors meeting.

The Committees recommended the 2020-2026 Capital Outlay Plan to the full Board for approval.

* 2. **Approval of Resolution for Acquisition of Falls Church Property:** The Committees reviewed for approval a resolution for the acquisition of Falls Church Property.

Virginia Tech and the University of Virginia (UVA) acquired ownership of 2.19 acres on Haycock Road in 1994 and a shared interest in a ground lease of an adjoining 5.33 acres in 1995, which leased real property owned by the City of Falls Church. The universities subsequently constructed an approximate 101,154 square foot academic building on the leased 5.33 acres. This combined area containing 7.52 acres and all improvements is known as the VT/UVA Northern Virginia Center, in which Virginia Tech holds a sixty percent interest and UVA holds a forty percent interest.

UVA desires to convey, and Virginia Tech desires to acquire, all of UVA's right, title, and interest in the universities' shared fee simple title ownership and shared leasehold interest in the Center. The universities have agreed that Virginia Tech will pay $8.23 million to acquire all of UVA's interest in the Center without substantial risk of liability. Virginia Tech has ensured the transaction amount is no more than market value for the property.

Once the transaction with UVA is concluded, Virginia Tech desires to acquire the fee simple title to the 5.33 acres currently leased from and owned by the City of Falls Church, Virginia. The land lease includes a purchase option price of $3.35 million with a net balance due of $2.85 million after consideration of a $500,000 deposit made in 1996, with an exercise date of 2021.

The sum of the actions described above will result in Virginia Tech owning both parcels of land and the building. Virginia Tech is ready to proceed with the acquisitions and has developed a resource plan sufficient to cover the $11.08 million of costs. This request is for authorization to move forward with the acquisition of UVA's interest in the Center and the acquisition of the 5.33 acres leased from and owned by the City of Falls Church, Virginia.

The Committees recommended the Resolution for Acquisition of Falls Church property to the full Board for approval.

There being no further business, the meeting adjourned at 12:04 p.m.

*** Requires full Board approval.**

BUILDINGS AND GROUNDS COMMITTEE
April 1, 2019
Capital Project Status Report

Project Name	Project Description	Estimated Total Project Cost	Non-General Funds	Project Teams	Contract Completion Date	Project Status
FEASIBILITY						
G. Burke Johnston (GBJ) Student Center Programming Study	The Feasibility Study is complete.	TBD	TBD	VMDO Architects TBD	December 2018	Study is complete. Deliverable has been received.
Global Business Analytics Complex (G-BAC)	The Feasibility Study is complete, project is waiting on funding to move forward.	TBD	TBD	Moseley Architects/RAMSA TBD	TBD	Feasibility Study is complete. Fundraising efforts by the Pamplin College of Business are ongoing. Pro forma cost analysis for the living-learning communities have been developed.
Global System Sciences	The Feasibility Study will investigate a facility that will support disciplinary and interdisciplinary faculty of the College of Science, College of Natural Resources and Environment, College of Agriculture and Life Sciences, Virginia-Maryland Regional College of Veterinary Medicine, and university research institutes to facilitate education and research focused on solving critical regional and global problems, including environmental, animal, and human health.	TBD	TBD	EYP TBD	March 2019	Feasibility Study is underway and on track.
Newman Library Feasibility Study	The Feasibility Study is complete.	TBD	TBD	Colley Architects Blacksburg, VA TBD	April 2018	Feasibility study is complete. Final report.
Phi Gamma Delta (Fiji) Fraternity House	The Feasibility Study will develop initial programming, exterior renderings, fundraising materials, and a cost estimate of a new fraternity house that can accommodate 30-44 beds. The Study is complete.	TBD	TBD	VMDO Architects TBD	November 2018	Feasibility study is complete. Final report.
Southgate Dining Food Production Center	The Feasibility Study will provide Dining Services with information to determine the most desirable option for the future growth of the Food Processing Facility. Three options being explored are: 1. renovation/additions to existing facility; 2. renovation/addition & new building; 3. new building. Study complete.	TBD	TBD	The Architects Alliance Inc. Blacksburg, VA TBD	December 2018	Feasibility study is complete. Developing alternatives/options.

BUILDINGS AND GROUNDS COMMITTEE
April 1, 2019
Capital Project Status Report

Project Name	Project Description	Estimated Total Project Cost	Non-General Funds	Project Teams	Contract Completion Date	Project Status
PROJECT INITIATED						
Northern VA Academic Center Redevelopment	An unsolicited PPEA conceptual proposal from a team lead by HITT was submitted to VT proposing a mixed-use style redevelopment of the existing VT campus in Falls Church. A competing proposal was submitted by a team lead by EYA for a similar type of redevelopment.	TBD	TBD	HITT	Fall 2023	HITT was selected to move forward to the detailed proposal phase. Detailed proposal is due to VT on April 1, 2019.
DESIGN						
Chiller Plant Phase II	This project includes the replacement and upgrade of plant equipment in the existing campus chiller plants and the expansion of the underground distribution infrastructure to link campus chiller substations and bring additional existing campus buildings online. Improvements include the replacement of two outdated chillers in the North Plant with two new upgraded larger capacity chillers totaling 6,000 tons; and the addition of two new 3,000 ton chillers in the Southwest Plant. The project also includes the replacement and upgrade of ancillary equipment with state-of-the-art, optimally sized pumping and system support equipment.	$41,286,000	$9,909,640	Affiliated Engineers, Inc. (AEI) Chapel Hill, NC TBD	Late Fall 2021	Design is complete. Construction contract under procurement. Targeting construction start in spring 2019.
Corps Leadership & Military Science	Three-story structure that will provide a centralized and consolidated home to the Corps of Cadets administration and ROTC programs.	TBD	TBD	Clark Nexsen TBD	TBD	Preliminary Design (50% design) documents completed. Project on hold pending resolution to move forward with full design.
Creativity & Innovation District Living-Learning Community	This project involves the provision of a new residential life building in the emerging Creativity & Innovation District. The approximately 225,000 gross square feet (GSF) and 600 bed facility will support the growing living-learning community anticipated for this key area of campus and supports the university's Beyond Boundaries initiative.	$105,500,000	$105,500,000	VMDO Charlottesville, VA WM Jordan / Hanbury	Summer 2021	Design-Build Team design work is underway with early site work construction phase to begin in spring 2019. BOV to receive information brief at April 2019 meeting.
Dietrick Hall Enclosure & Spirit Plaza	This project will provide a "Spirit Plaza" on the north end of Dietrick Lawn and renovations to the first floor of Dietrick Hall that will establish at least 200 additional seats of dining capacity.	$8,300,000	$8,300,000	Hanbury Norfolk, VA TBD	Fall 2020	Project is in design.
HITT Hall & the Intelligent Infrastructure Complex	Program elements envision a 28,000 GSF addition (Hitt Hall) connected to Bishop-Favrao Hall, 8,000 GSF of fusion lab and data visualization space for the Intelligent Infrastructure for Human Centered Communities Destination Area, 22,000 GSF of general assignment classroom and collaborative study space, and a 43,000 GSF Dining Facility. Project intent is to showcase technology and innovation as a key component of the Intelligent Infrastructure for Human Centered Communities Destination Area.	$68,000,000	$50,000,000	Lord Aeck Sargent (LAS) Atlanta, GA TBD	Summer 2021	Criteria/Bridging Document phase is targeted for completion in spring 2019. Design-Build contract procurment is underway.
Holden Hall Renovation	This project includes the renovation of an approximately 21,000 GSF portion of Holden Hall fronting the Drillfield. The remaining 21,000 GSF of the existing building will be demolished and replaced with approximately 80,000 GSF of new engineering instruction and research space for a total building size of 101,000 GSF.	$72,349,000	$17,500,000	Moseley Architects Virginia Beach, VA W.M. Jordan Co.	Fall 2021	Project is in design and on track. Construction start scheduled for summer 2019. Resolution for partial demolition of Holden Hall North Wing included on April BOV agenda.

BUILDINGS AND GROUNDS COMMITTEE
April 1, 2019
Capital Project Status Report

Project Name	Project Description	Estimated Total Project Cost	Non-General Funds	Project Teams	Contract Completion Date	Project Status
Improve Kentland Facilities (Phase II)	This project includes new construction of three buildings totaling approximately 28,900 GSF including a Metabolic Research Laboratory, an Applied Reproduction Facility, and a Bovine Extension Teaching & Research facility to serve Agency 229, Virginia Cooperative Extension, and the Virginia Agricultural Experiment Station.	$12,463,000	$0	Spectrum Design, PC Roanoke, VA MRL - Charles Perry Partners Inc APR - TBD BETR - TBD	Summer 2020	Metabolic Research Laboratory awarded and began construction in Feburary 2019. Construction contracts under procurement for Applied Reproduction Facility and Bovine Extension Teaching & Research Facility buildings.
Livestock & Poultry Research Facilities (Phase I)	This project is the first of two phases to renew existing facilities for the College of Agriculture and Life Sciences' livestock and poultry programs. This first phase includes approximately 130,000 GSF of new facilities located at existing Virginia Tech sites on the Plantation Road Corridor, at Smithfield Horse Center, at Kentland Farm, and at the Glade Road Poultry Research Center.	$22,500,000	$0	Spectrum Design, PC Roanoke, VA TBD	Summer 2020	Project is in design and on track. Procurement of construction contract is targeted for summer 2019.
Merryman Center Weight Room Renovation	This project includes the renovation of the portions of the first two floors of the Merryman Center and the expansion of the second floor to support Athletic Department programming.	$4,900,000	$4,900,000	Colley Architects, P.C. Blacksburg, VA TBD	TBD	Project is in design and on track.
Multi-Modal Transit Facility	The Multi-Modal Transit Facility project is a partnership with the Town of Blacksburg under which the Town will obtain funding, hold contracts, and own the building that will be located and operated on Virginia Tech land.	$44,000,000	N/A	Wendel Associates Buffalo, NY TBD	TBD	Project cost estimates provided by the Town of Blacksburg A/E indicated budget shortfall of approximately $8M. Value engineering study identified potential savings sufficient to bring the project back within budget, however redesign will be required. VT and Town of Blacksburg are negotiating acceptable savings options.
Package Boiler 12	Demolition and disposal of decommissioned coal fired boiler (No. 6) and installation of a new 100 lbs./hour natural gas/oil fired packaged boiler (No. 12).	$6,800,000	$6,800,000	Affiliated Engineers, Inc. (AEI) Atlanta, GA TBD	Winter 2019	Demolition of existing decommissioned coal boiler underway and on track. Manufacture of replacement natural gas boiler under contract and anticipated for delivery in summer 2019. Installation package to be bid in spring 2019. Targeting completion for 2019/2020 heating season.
Slusher Hall Replacement	This project envisions the demolition of Slusher Hall and construction of replacement residence hall(s) that will equal or exceed 630 beds.	TBD	TBD	Clark Nexsen TBD	Spring 2023	Criteria Documents A/E is developing construction/demolition phasing options.

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Project Name	Project Description	Estimated Total Project Cost	Non-General Funds	Project Teams	Contract Completion Date	Project Status
Student-Athlete Performance Center	This project includes a complete renovation and expansion of the fourth floor of the Jamerson Center, construction of balconies cantilevered from the fourth floor, and a new elevator tower. The project will provide approximately 17,000 GSF for dining, nutrition, recruiting, donor hospitality, and provide an upgraded corridor to the Cassell Coliseum concourse.	$16,680,000	$16,680,000	Hanbury Norfolk, VA TBD	Fall 2020	Project is in design and on track. Procurement of construction contract is targeted for spring 2019.
Student Wellness Improvements	The project provides a comprehensive solution for student wellness services through upgrades to McComas Hall and major renovations to War Memorial Hall to meet the programming needs of the Schiffert Health Center, Recreational Sports, College of Liberal Arts and Human Sciences, and the College of Agriculture and Life Sciences.	$58,000,000	$58,000,000	CannonDesign Baltimore, MD Whiting-Turner Contracting Company Richmond, VA	Summer 2021	Project is in design. Construction start is targeted for spring/sumer 2019.
Undergraduate Science Laboratory	The project will construct a new undergraduate science laboratory facility of 102,000 GSF to accommodate the growing demand for STEM-H degrees at Virginia Tech.	$74,172,000	$0	ZGF Architects Washington, DC Skanska	Fall 2021	Project is in design and on track. Funding for construction pending approval by General Assembly.
CONSTRUCTION						
ACC Network Studio	The project will establish the necessary broadcast facilities including interior renovations to an existing control room; construction of two new controls rooms; installation of fiber, infrastructure, and equipment to support the broadcast of Virginia Tech intercollegiate athletic events on the ACC Network.	$10,000,000	$10,000,000	Multiple A/E Firms Multiple Contractors	Spring 2019	Interior construction of broadcast control rooms is substantially complete. Broadcast equipment installation is underway and on track. Construction of exterior infrastructure targeted for completion in early summer 2019.
Commonwealth Ballroom Improvements	The scope of work includes replacing outdated and nonfunctioning lighting systems, stage systems, ceiling tiles, and air handlers for the Commonwealth Ballroom in Squires Student Center. An acoustical dividing wall will be added to increase usage capabilities by student organizations and the campus community.	$3,246,000	$3,246,000	Dewberry Engineers Glass & Associates, Inc.	March 2019	Construction is underway with planned completion in time for Spring Semester 2019 Commencement.
Lane Electric Substation Expansion	This project will expand the existing electrical sub-station to add approximately 37 percent additional power capacity to serve the campus Life Sciences and Northwest Precincts and the Corporate Research Center's proposed expansion.	$6,500,000	$6,500,000	Appalachian Electric Power and Virginia Tech Electric Service Appalachian Electric Power and Virginia Tech Electric Service	Summer 2019	Project is administered by Virginia Tech Electric Service in coordination with Appalachian Power Company and Appalachian Electric Power. Project is currently on track for completion in summer 2019.
Renovate/Renew Academic Buildings	This project will renovate three existing campus buildings - Sandy Hall, the Liberal Arts Building, and the original portion of Davidson Hall. Collectively, these renovations will increase the functionality of three underutilized building assets, address several deferred maintenance issues, and reduce critical space deficiencies. Small additions are planned for Sandy Hall and the Liberal Arts Building to meet current emergency egress code requirements. New elevators in Sandy Hall and the Liberal Arts Building will provide ADA access.	$35,029,000	$0	Glavè & Holmes Architects Richmond, VA Branch & Associates Roanoke, VA	July 2018	Davidson Hall - Complete. Liberal Arts Building - Complete. Sandy Hall -Targeted for completion spring/summer 2019.

BUILDINGS AND GROUNDS COMMITTEE
April 1, 2019
Capital Project Status Report

Project Name	Project Description	Estimated Total Project Cost	Non-General Funds	Project Teams	Contract Completion Date	Project Status
Steger Hall Hokie Stone Repairs & Betterments	The scope of work includes repair of Hokie Stone facade as well as cleaning and removal of efflorescence from the stone, precast, and glass surfaces.	$0	$1,100,000	Wiss, Janney, Elstner Associates, Inc. Skanska USA Building	April 2019	Construction is underway and on track for completion spring 2019. Work is being completed as part of the maintenance reserve program.
Undergraduate Science Laboratories Renovations	The project will repurpose multiple laboratory/teaching spaces in Derring and Hahn Halls to meet growing demand for course sections in biology, chemistry, organic chemistry, and microbiology.	$10,000,000	$10,000,000	Studio Twenty Seven Architecture Washington, DC Thor Construction, Inc. Roanoke, VA	October 2019	Construction is underway and on track for completion fall 2019.
Virginia Tech Carilion Biomedical Research Expansion	This project, executed under the Public-Private Education Facilities and Infrastructure Act of 2002 (PPEA), will construct an approximately 139,000 GSF building adjacent to the Virginia Tech - Carilion Research Institute in Roanoke. The new facility will include high intensity biomedical research capable laboratories with surgical-type suites, Bio-safety Level Three laboratories, and animal imaging facilities that require high-field magnetic resonance imaging. The remaining space will include high-intensity dry laboratory research and training spaces including computational facilities, offices, procedural training rooms, and technical training space.	$91,696,000	$40,141,970	AECOM Skanska	Spring 2020	PPEA construction is underway and on track for completion in spring 2020.
CLOSEOUT						
Athletic Facilities Improvements	This is an umbrella project for improvements to multiple athletic facilities, including Rector Field House, Baseball, and Tennis.	$37,500,000	$37,500,000	Rector: Cannon Design Baseball: Cannon Design Rector: Branch Associates Baseball: Whiting-Turner Contracting Co.	Rector - March 2018 Baseball - May 2018	Sub-projects as follows: 1) Rector Field House - Construction reached Substantial Completion in March 2018. 2) Baseball - Construction reached Substantial Completion in May 2018.
Fire Alarm Systems & Access	This project provides for critical life safety improvements in several educational and general facilities on campus. Fire alarm systems will be installed or expanded in as many campus buildings as funding allows, including Architecture Annex, Food Science & Technology, Lane Hall, Litton-Reaves Hall, Norris Hall, Patton Hall, Randolph Hall, War Memorial Hall (Gym), Wallace Annex, and Whittemore Hall.	$4,900,000	$0	Multiple A/E Firms Multiple Contractors	Fall 2018	Project is closed. Final report.
O'Shaughnessy Hall Renovation	This project includes major renovation of a 72,000 GSF student residence building into a living-learning community. The residence hall originally housed 350 students and upon completion will house 344 students. Construction Complete.	$21,500,000	$21,500,000	Moseley Architects Virginia Beach, VA WM Jordan, Roanoke, VA	August 2018	Project complete, project closeout underway.
Upper Quad Residential Facilities	This project provides for the demolition and construction of replacements for Brodie and Rasche residence halls to serve the Corps of Cadets. The new residence halls (totaling approximately 210,000 GSF) will provide over 1,000 beds in double and triple rooms sharing hall community bathrooms. New residence halls will provide dedicated meeting, community, and group spaces, specifically designed to meet Corps of Cadets program and organization needs. Thomas Hall and Monteith Hall will also be demolished as part of this project. Project Complete.	$91,000,000	$91,000,000	Clark Nexsen Charlotte, NC Barton Malow Company Charlottesville, VA	Pearson Hall - August 2015 New Cadet Hall - April 2017	Project is complete. Final report.

Attachment F

April 1, 2019

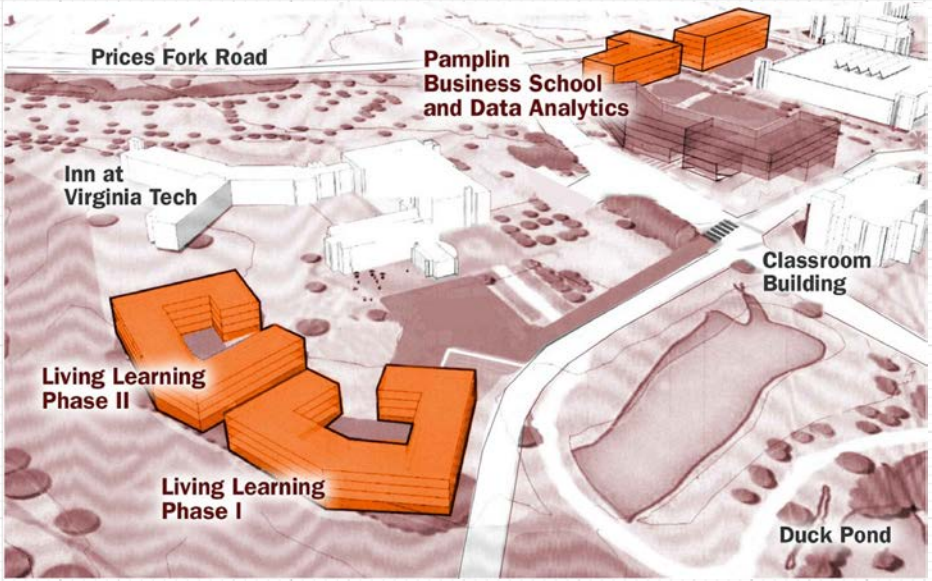
CAPITAL PROJECT STATUS REPORT

Christopher H. Kiwus, PE, PhD
Associate Vice President and Chief Facilities Officer

VIRGINIA TECH

Projects In Feasibility

- Global Business Analytics Complex
- Global System Sciences
- Phi Gamma Delta (Fiji) Fraternity House
- Southgate Dining Food Production Center



VIRGINIA TECH

Projects Initiated

Attachment F

- Northern Virginia Academic Center Site Redevelopment

VIRGINIA TECH

Projects In Design

- Chiller Plant (Phase II)
- Corps Leadership & Military Science
- Creativity & Innovation District Living-Learning Community
- Dietrick Hall Enclosure & Spirit Plaza
- HITT Hall & the Intelligent Infrastructure Complex
- Holden Hall Renovation
- Livestock & Poultry Research Facilities (Phase I)

VIRGINIA TECH

Projects In Design

Attachment F

- Merryman Center Weight Room Renovation and Improvements
- Multi-Modal Transit Facility
- Package Boiler 12
- Slusher Hall Replacement
- Student-Athlete Performance Center
- Student Wellness Improvements
- Undergraduate Science Laboratory

VIRGINIA TECH

Projects Under Construction

Attachment F

- ACC Network Studio
- Commonwealth Ballroom Improvements
- Improve Kentland Facilities (Phase II)
- Lane Electric Substation Expansion
- Renovate/Renew Academic Buildings
- Steger Hall Hokie Stone Repairs & Betterments
- Undergraduate Science Laboratories Renovations
- Virginia Tech Carilion Biomedical Research Expansion

VIRGINIA TECH

Closeout

- Athletic Facilities Improvements
  - Baseball Facilities
  - Rector Field House
- Fire Alarm Systems and Access
- O'Shaughnessy Hall Renovation
- Upper Quad Residential Facilities

Attachment F

VIRGINIA TECH

The Virginia Tech Rescue Squad

CHIEF Michael Geary
APRIL 1, 2019

VIRGINIA TECH™

Who We Are

Founded by students and serving since 1969

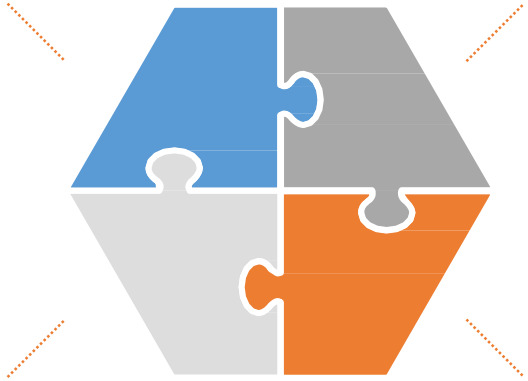
Oldest all student-run volunteer EMS agency in the country

Providing 911 service 24 x 7, 365 days a year

Operational Capabilities

3 ADVANCED LIFE SUPPORT AMBULANCES

ABILITY TO PROVIDE THE HIGHEST LEVEL OF PRE-HOSPITAL CARE



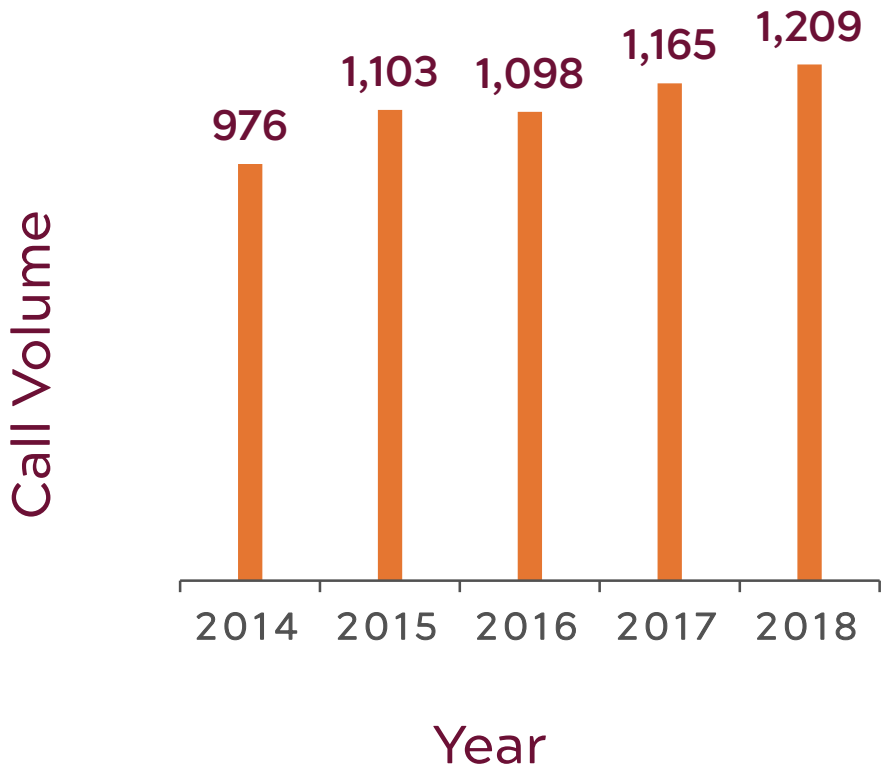
3 QUICK RESPONSE VEHICLES

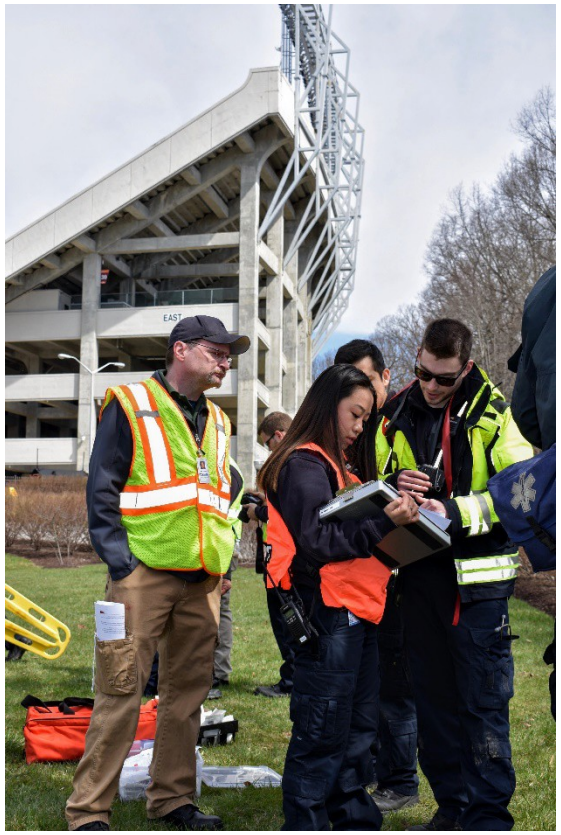
MASS CASUALTY, SPECIAL OPERATIONS, AND COMMUNICATION TRAILERS

FAST FACTS

- 12 week training process after selecting 10 students from an average pool of 300 applicants
- Students pull 14 hour night duties each night of the week
- Weekly night duty training with written and practical review
- 6 - 8 hours of day duty in between classes
- 2 Captains, 6 Officers, 7 Secondary Officers, 6 Non-Officer positions

MORE STUDENTS, MORE CALLS





Annual Mass Casualty Incident Drill

- Preparedness for mass casualties
- Inter-agency collaborations with Blacksburg Rescue Squad, Christiansburg Rescue Squad, and Blacksburg Fire Department
- Recognition through National Collegiate EMS Foundation

Beyond the Call

Stop the Bleed Classes

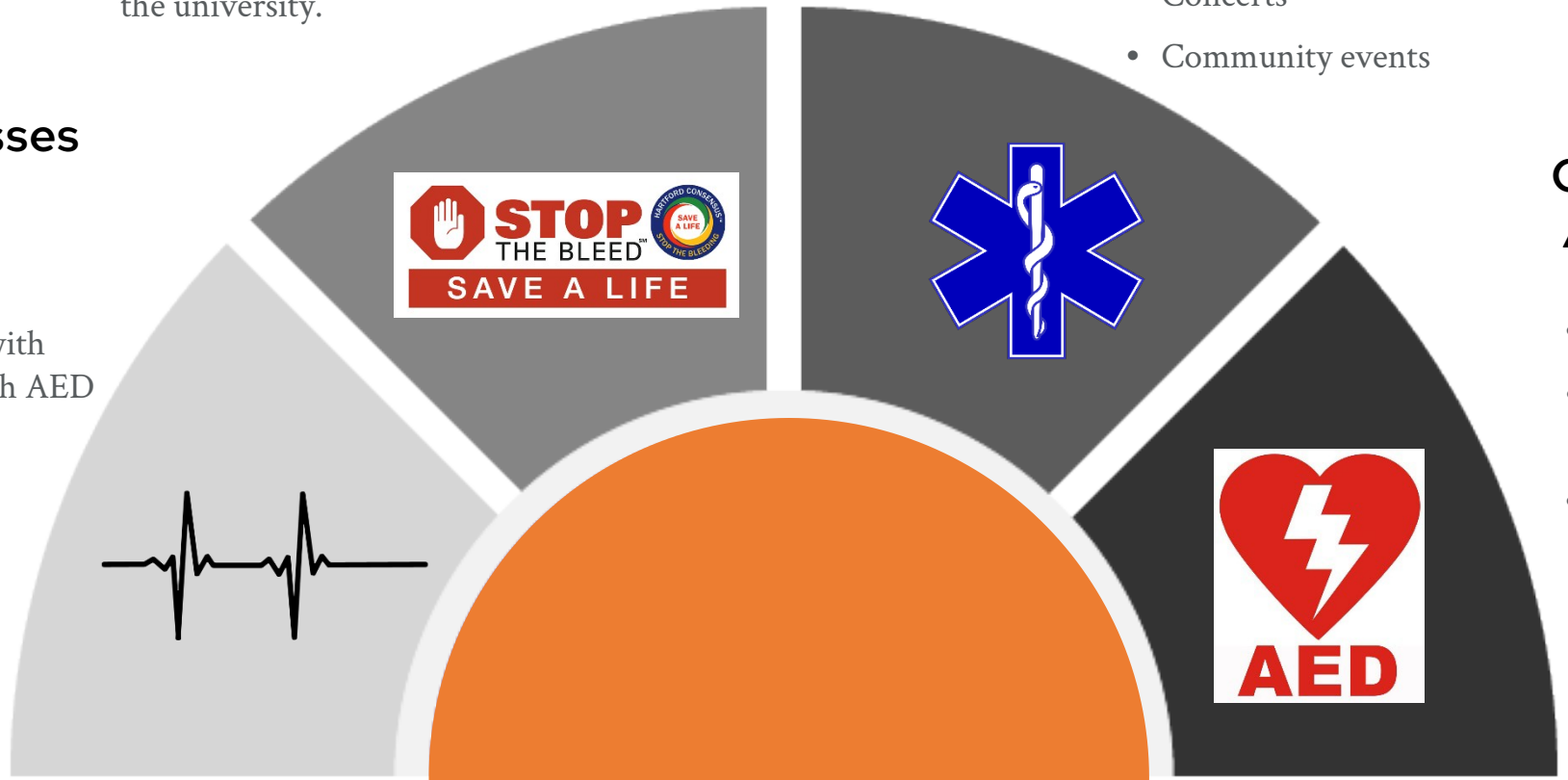
Partnership with the Office of Emergency Management to help teach Stop the Bleed classes for the university.

Staffing All Requested Sporting and On Campus Events

- All NCAA sports games
- Football Games
- Concerts
- Community events

CPR & AED Classes for the VT Community

Empowering the public with medical education through AED and CPR classes.



On Campus AED Program

- Manage 160 AEDs
- Blacksburg and Northern Virginia sites
- Largest campus AED network in the nation

RECOGNITION

NATIONAL COLLEGIATE EMS CONFERENCE

NATIONAL EMS AGENCY OF THE YEAR 1988

MEMBERS AWARDED LIFESAVING AWARDS AND LETTERS OF COMMENDATION

REGIONAL GOVENOR' S AWARD FOR EXCELLENCE IN 2000

50th Anniversary of VTRS

50th ANNIVERSARY

This April, we will be celebrating our 50th anniversary at our annual Banquet. We are proud of how far our agency has come along.

THE BEGINNING

VTRS was started by a group of 4 students in 1969.

1969

FIRST MOVE-IN DATE

Virginia Tech Rescue Squad first moved into Squires 320, housing all equipment and ambulances there.

1970

FIRST AMBULANCE PUT INTO SERVICE

1972

UNIVERSITY RECOGNITION

The Virginia Tech Rescue Squad gains status as part of the university proper instead of a student organization.

1980

MILITARY BUILDING

Virginia Tech Rescue Squad moved into the Military Building,where we are now housed!

1983

APRIL 16TH, 2007

VTRS members respond to and organize EMS operations in response to the tragedy that took place on the VT campus.

2007

2019

BEING A PROVIDER AND A STUDENT

- Medical Research in Roanoke
- Nationally Certified Personal Trainers
- ER Technicians at LGM Montgomery
- Actors in Virginia Tech main stage theatrical productions
- Co-ed Pre-Law Fraternity
- Fralin Undergraduate Research Fellowship
- Raft (Suicide Prevention Crisis Hotline) Caller
- Agriculture Ambassadors
- College Mentors for Kids
- Teaching Assistants
- Co-ed Service Fraternity
- Hokie Ambassadors

- Chi Alpha Worship Leaders
- Engineering Design Lab
- Founder of the VT Buddhist club
- United States Army Reserves
- Assisting disabled student on campus with everyday activities and chores
- Leader of the Virginia Tech Improv Team
- Tutor for international students and international members of the Blacksburg Community
- Peer Advisor to study abroad students
- American Medical Response providers
- Stop the Bleed Instructors

RECENT GRADUATES

- PA school (Stanford, Wake Forest, EVMS, Jefferson and more!)
- Medical School (VCOM, UVA, UCLA and more!)
- Flight medic programs
- Nursing School
- Capitol Hill
- Peace Corps
- Director of Amazon’s “Alexa”
- Amazima School in Uganda
- Police Officers
- Pfizer Engineer

STAY UPDATED ON VTRS

Mike Owen recommends Virginia Tech Rescue Squad.
June 13, 2018 ·

Since I started with the rescue squad running across campus with a first aid kit and an O2 bottle the rescue squad at Virginia Tech has been nothing but the best holding to the highest standards of training and in service and in care! I want to thank all of you for maintaining those high standards!

Forrest Winslow reviewed Virginia Tech Rescue Squad — 5★
April 12, 2018 ·

The best student ran EMS agency in the world! I know because I experienced it!

Virginia Tech Rescue Squad is always on call, even during the holidays

December 17, 2018

Virginia Tech Rescue Squad wins collegiate Advanced Life Support Skills competition

March 12, 2012

FOLLOW US ON FACEBOOK

FOLLOW US ON INSTAGRAM
@VT_RESCUE

Students saving lives: Virginia Tech Rescue Squad one of nation's best

By Su-Clauson-Wicker Special to The Roanoke Times May 8, 2016

Aaron Clarke reviewed Virginia Tech Rescue Squad — 5★
May 18, 2017 ·

There is no genuine group of people like this one. They live to serve you when you need it most. Thank you to all who have served the Blacksburg Community, and will serve them in the future.

-Ut Prosim
-Class of '14

Jenn Chuises

Virginia Tech Rescue Squad wins national awards

March 10, 2017

Virginia Tech Rescue Squad recognized as one of best in country

April 4, 2016

Wayne Guffey reviewed Virginia Tech Rescue Squad — 5★
May 18, 2017 ·

Simply the best. They train hard so they can take care of the thousands of fellow students and thousands and thousands of visitors every year. Proud to be associated with VTRS.

CLICK HERE TO VIEW A VIDEO RECAP OF THE VT RESCUE SQUAD'S 2018 ACTIVITIES

AREC Tour Briefing

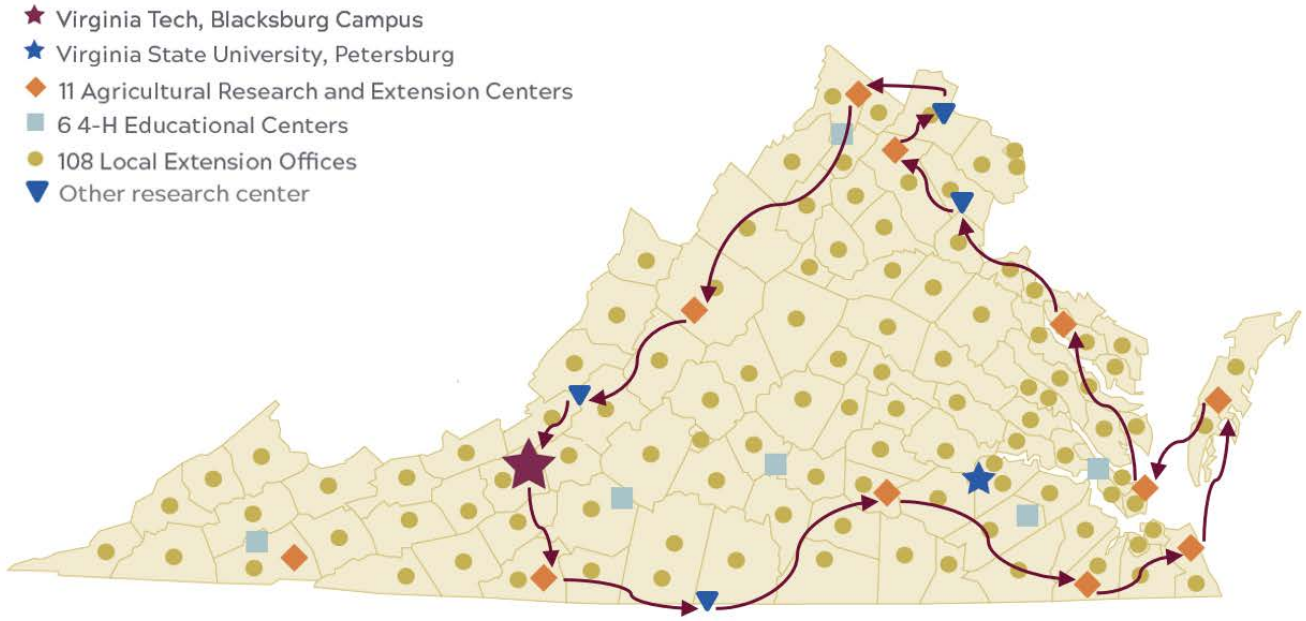
SHERWOOD G. WILSON

APRIL 1, 2019

VIRGINIA TECH™

Tour Overview

- February 25 – 28, 2019
- 10 ARECs & 4 other research facilities
- Goal: learn how the operational units in Blacksburg can better support the employees and critical work done at these sites.



STRENGTHS

- Very strong relationships
- Unique historic structures
- Use, test & educate others about emerging technology
- Preventative maintenance and renovation successes
- EHS Off-Site Services Coordinator
- Security

OPPORTUNITIES

- Branding
- Preventative maintenance and aging infrastructure
- Mechanisms for facilities-related work, procurement options & delegated authorities
- Internet service, specifically WiFi availability
- Rapid rate of technology evolution and growth in scale of farms
- Short & mid-term housing options

Board Member Reflections

AREC Tour Briefing
Key Themes

Contextual Note: Though some general themes can be derived from the presentations and discussions that occurred during the tour, each of the sites truly are unique, due largely to the research being conducted and the specific functions associated with supporting their stakeholders and industries.

Strengths

- **Very strong relationships** across the Commonwealth between the ARECs, Cooperative Extension personnel, the industries and communities they serve, and in many cases, local government. In addition to the more obvious industry partnerships and applications, they each also work with the local public school systems and have significant community outreach programs to serve a much broader audience. Volunteer programs, such as the extensive Master Gardener program in Hampton Roads, offer yet another avenue for public engagement with these sites.
- Several of the sites have **unique historic structures** or other notable value to the local community. For example, both Reynolds Homestead and McCormick Farm have public historic sites and the Middleburg AREC is part of large conservation district.
- Quick to embrace opportunities to **use, test, and educate others about emerging technology**.
- **Preventative maintenance and renovation successes** achieved by current personnel in using and improving on existing facilities.
- Strong relationship between **Environmental Health and Safety's Off-Site Services Coordinator** and the staff at each AREC. Will seek to mirror and/or expand upon this model with other central campus services such as Facilities.
- Employees at each location had a solid understanding of their general **security** hazards and concerns, use basic security measures such as locking buildings and securing equipment, and did not express any significant security issues. Since the depth of conversations were somewhat limited by available time, Emergency Management and Police Department personnel will collectively be following up with each AREC to offer additional services.

Opportunities

- **Branding** of the ARECs, specifically exterior signage; internal (inside each facility) markers such as podium placards, banners, and displays of university materials; branded clothing worn by faculty, staff, and students working at each location; and additional story-telling and marketing opportunities of the impact and activities of each center. Sites are often seen by stakeholders who know them only as "Virginia Tech," but many others in the broader community are not aware of the connection to Virginia Tech. Opportunity to elevate the

main brand across the state and focus on storytelling related to job growth, industry partnerships, collaborations across the university, and outreach impacts.

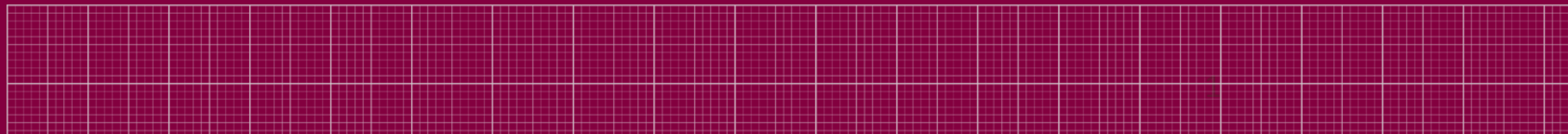
- **Preventative maintenance and concerns about aging infrastructure**, particularly at certain ARECs. Several of the sites also highlighted the need for **larger or renovated gathering spaces** where they could host outreach programs. The Director of Facilities in the College of Agriculture and Life Sciences has been working with each site to develop a comprehensive list of infrastructure needs so that the magnitude of funding needed across the system is better understood, and holistic, proactive planning and scheduling can be accomplished. A summary of this work can be shared with the BOV via the appropriate capital planning processes once it is finalized.
- Improving awareness of various **mechanisms for facilities-related work**, as well as exploring **procurement options and delegated authorities** to decrease the timeline and administrative processes required, particularly for smaller and/or common repairs. ARECs would like additional flexibility to use local vendors and process payments timely.
- **Internet service, specifically WiFi availability**, can present challenges when working with modern equipment and large data sets, and can limit collaboration with other locations.
- **Rapid rate of technology evolution and growth in scale of farms** can make it difficult to obtain modern equipment at same pace as industry and/or at appropriate scale for research (smaller plots or numbers of animals per study, etc.).
- **Short and mid-term housing options** for students (both undergraduate and graduate) and visiting faculty, particularly during peak/growing seasons, can be limiting.

VIRGINIA TECH

Capital Project Construction Procurement Methods

Dwyn Taylor, PE
Assistant Vice President for
Capital Construction and Renovations

April 1, 2019



Three Procurement Methods

Three methods of construction procurement typically used for capital projects within the Commonwealth of Virginia:

Competitive Sealed Bids *"Design-Bid-Build"*

Default method of procurement of construction services per Code of Virginia

Construction Manager at Risk

Alternative method of procurement of construction services.

Design - Build

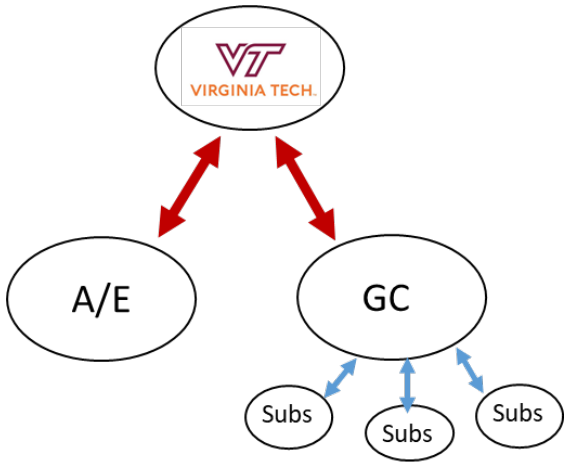
Alternative method of procurement of construction services

Competitive Sealed Bid ("*Design-Bid-Build*")

<u>Default</u> method of procurement of construction services per Code of Virginia

Concept:

- Architectural/engineering (A/E) firm is competitively hired for professional services (design) via 2-step procurement:
  Request for Qualifications (RFQ) → shortlist → Request for Proposals → interview → select & negotiate fee
- Full construction documents (*complete drawings and specifications*) are developed via A/E
- Invitation for Bids (IFB) is advertised for minimum 30 days
- Award is based on lowest bid



CONTRACTUAL RELATIONSHIPS

PROCESS TIMELINE

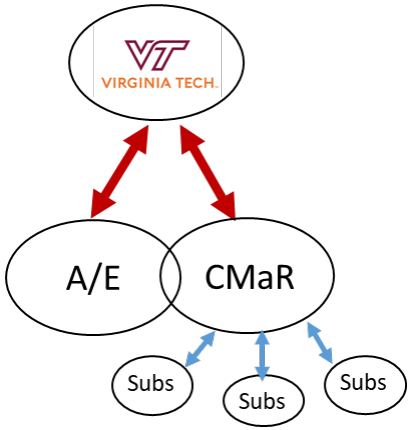
Construction Manager at Risk *(CMaR)*

<u>Alternative</u> method of procurement of construction services

"When competitive sealed bidding is not practicable or fiscally advantageous"

Concept:

- A/E firm is competitively hired for professional services (design) via 2-step procurement
- At ~20% design complete, CMaR firm *("the builder")* is competitively hired via 2-step procurement
- CMaR contracts are structured into two phases:
  - Phase 1: Pre-Construction Services (performed for a fixed fee) during design phase
  - Phase 2: Construction Phase Services (as design matures, CMaR provides "Guaranteed Maximum Price" (GMP) that must be agreeable to the Owner (VT) for actual construction work)
    - Upon completion, any construction costs above GMP are borne by the CMaR *(hence "at risk");*
    - Any savings are returned to VT
- VT conducts third-party audits of CMaR construction costs at pre-, mid-, and post-construction



CONTRACTUAL RELATIONSHIPS

PROCESS TIMELINE

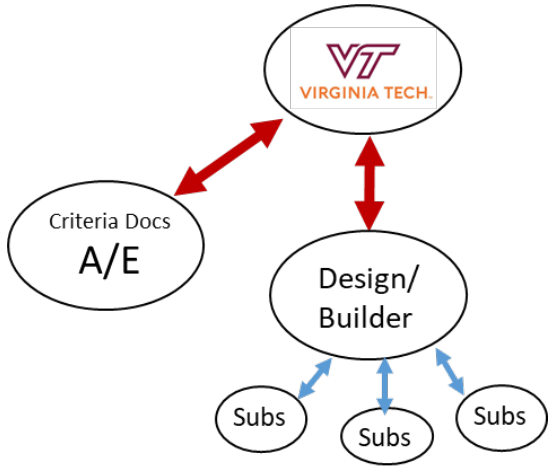
Design – Build *(D/B)*

<u>Alternative</u> method of procurement of construction services

"When competitive sealed bidding is not practicable or fiscally advantageous"

Concept:

- A/E firm for "Criteria Documents" (a.k.a "bridging documents) is competitively hired via 2-step procurement
- Criteria Docs A/E develops project requirements (bridging documents) which are then advertised
- Design-Builder (D/B) is competitively hired via 2-step procurement
  - D/B is typically one of three team formations:
    - Fully integrated firm (all design and construction services in house)
    - Contractor led (design is subcontracted)
    - Joint venture (architect – contractor JV)
- D/B provides firm fixed price for full design <u>and</u> construction prior to award of design-build contract



CONTRACTUAL RELATIONSHIPS

PROCESS TIMELINE

Commonwealth Requirements for Alternative Construction Procurement

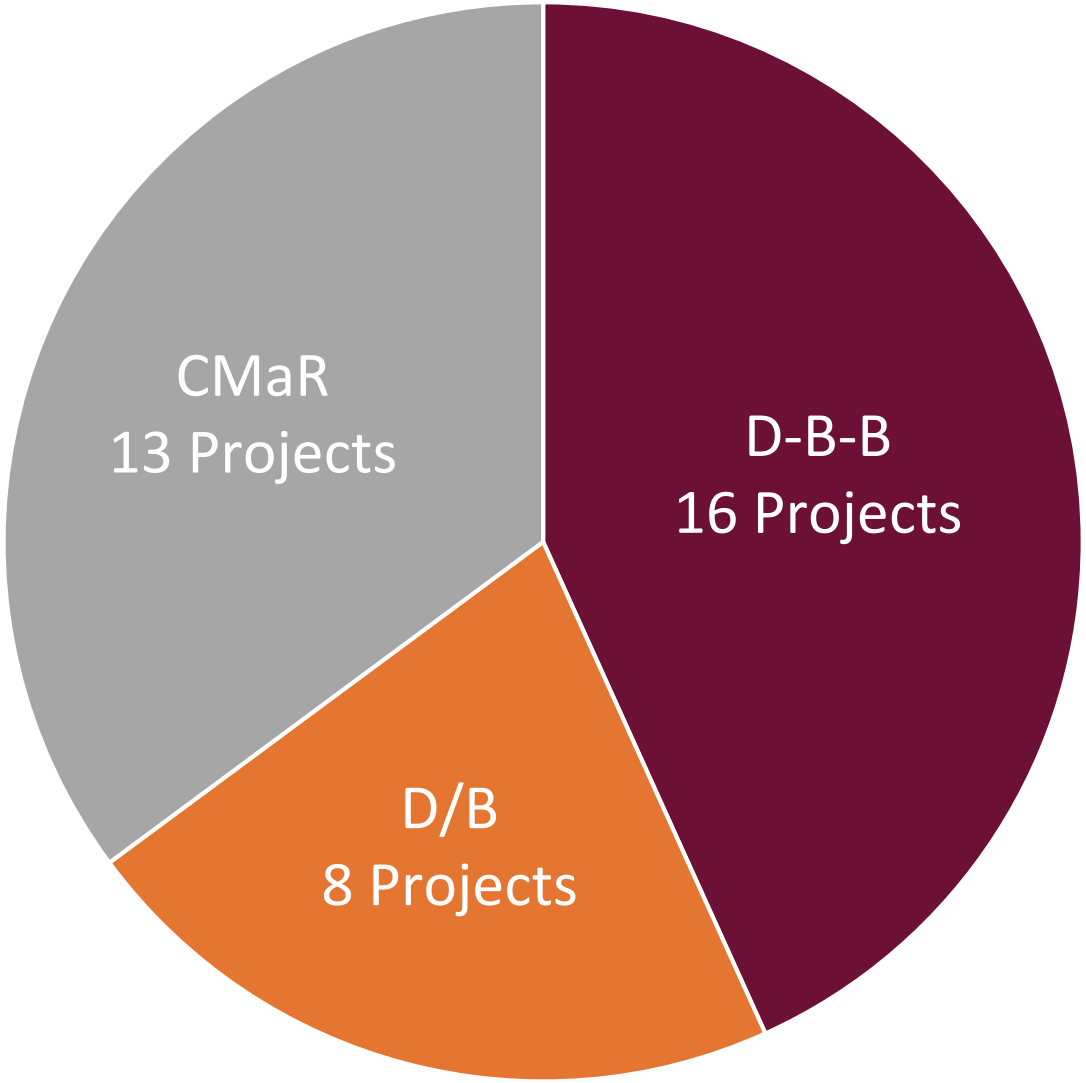
- General Assembly passed legislation in 2017 requiring specific steps by agencies utilizing Construction Management and Design-Build procurement methods
  - *Develop procedures for determining the selected procurement methods*
    - *Shall consider cost, schedule, complexity and building use*
  - *Submit procedures to Department of General Services (DGS) for review and comment*
  - *Procedures are to be adopted by the agency Board of Visitors*

Done – September 2017

- For each individual project using alternative construction procurement:
  - Develop written recommendation for use of CMaR or D/B method for approval by VT Chief Facilities Officer
  - Provide written recommendation to DGS for review
  - DGS will review and render its recommendation
  - If VT elects to proceed using CMaR or D/B despite recommendation by DGS to the contrary, VT must:

    "….*state in writing its reasons therefore and any justification for not following the recommendation of [DGS]. The written statement of the decision not to follow the [DGS] recommendation shall be maintained in the [project] procurement file*."

Project Delivery Method Distribution Since 2012



VIRGINIA TECH™

Capital Project Construction Procurement Methods

April 1, 2019

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Competitive Sealed Bid ("*Design-Bid-Build*")

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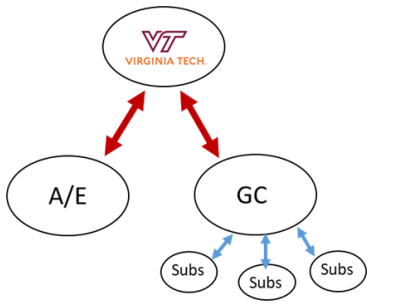

CONTRACTUAL RELATIONSHIPS

PROCESS TIMELINE

Attributes:

- VT maintains maximum control over design
- Evaluation of bids is straightforward and not subjective
- Award is based upon lowest price

Potential concerns:

- No opportunity for builder's input during design phase (i.e. for constructability, price validation, etc.)
- Requires 100% plans and specifications (full design)…no opportunity to begin construction before design is complete
- Design errors or omissions discovered/encountered by the builder during construction are resolved via the Owner (VT) and the A/E

Construction Manager at Risk *(CMaR)*

Alternative method of procurement of construction services
"When competitive sealed bidding is not practicable or fiscally advantageous"

Concept:

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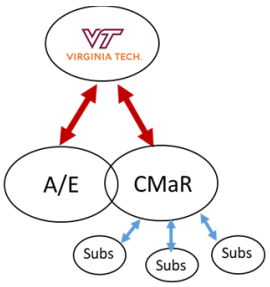

CONTRACTUAL RELATIONSHIPS

PROCESS TIMELINE

Attributes:

- CMaR is competitively selected based on qualifications and price
- CMaR is involved in and informs the design process; potential construction phase pitfalls can be identified and mitigated during design phase
- Speed of delivery: Construction can begin before design is 100% complete
- (project can be "fast-tracked") via an "early release package"
- Cost of construction work can be established earlier in the process (before design is complete)
- Budget constraints are transparent to entire design and construction team, thus facilitating mitigation

Potential concerns:

- 2-step procurement process for CMaR is lengthy and must be programmed into project timeline
- Evaluation and selection of CMaR is more subjective than sealed bidding (not necessarily lowest price)
- Design errors or omissions discovered/encountered by the builder during construction are resolved via the Owner (VT) and the A/E– however, CMaR pre-construction services minimizes potential for issues

Design - Build (D/B)

Alternative method of procurement of construction services
"When competitive sealed bidding is not practicable or fiscally advantageous"

Concept:

- A/E firm for "Criteria Documents" (a.k.a "bridging documents) is competitively hired via 2-step procurement
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- Design-Builder (D/B) is competitively hired via 2-step procurement
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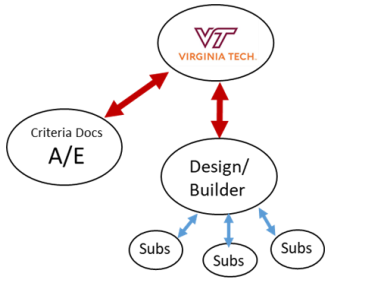
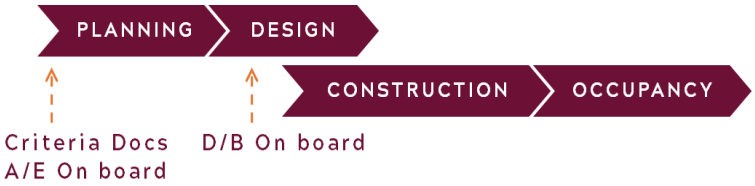


CONTRACTUAL RELATIONSHIPS



PROCESS TIMELINE

Attributes:

- VT can determine up front how prescriptive the Criteria Documents will be
  - Less prescriptive = more opportunity to leverage the creativity/imagination of the Design-Builder (*VT can compare proposed design-build solutions during the D/B procurement process)*
  - More prescriptive = more front-end control by VT on project characteristics
- Designer and builder are a pre-established team and work together to design and construct the project
  - Minimizes "builder vs. designer" disputes
- Speed of delivery: Construction can begin before design is complete
- Per Commonwealth guidelines, typically best applied on straight-forward projects with low complexity

Potential concerns:

- 2-step procurement process for D/B is lengthy and must be programmed into project timeline
- Evaluation and selection of D/B is more subjective than sealed bidding *(not necessarily lowest price)*
- Owner (VT) input to design process is more constrained once criteria documents are complete and D/B procurement process ends

Commonwealth Requirements for Alternative Construction Procurement

- General Assembly passed legislation in 2017 requiring specific steps by agencies utilizing Construction Management and Design-Build procurement methods

  - *Develop procedures for determining the selected procurement methods*
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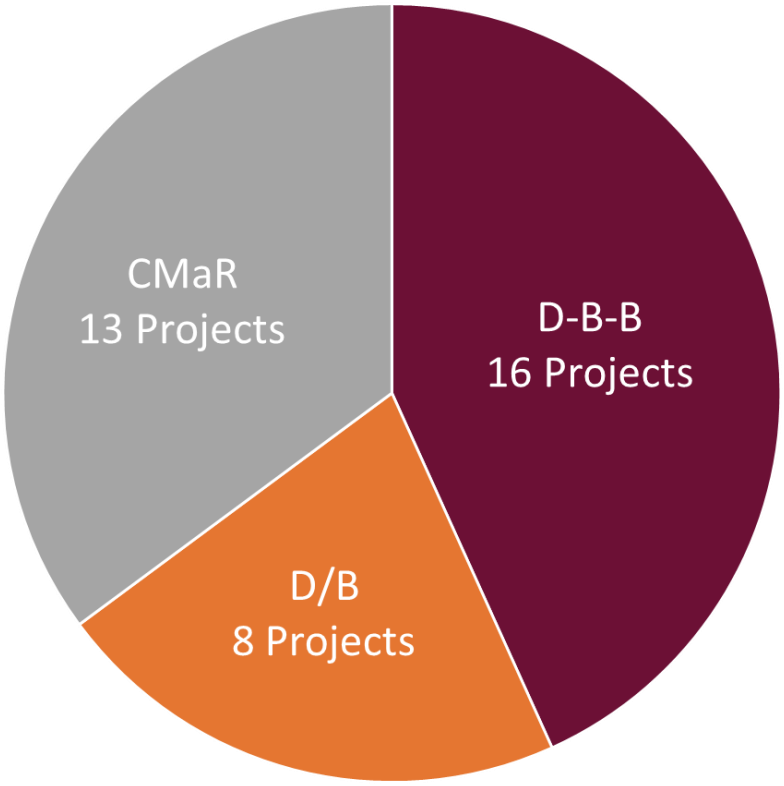


BRIEFING ON DESIGN FOR NON-CAPITAL VENTURE OUT BUILDING

The Venture Out renovation and expansion project, located at the periphery of campus along Beamer Way (adjacent to the Burrows-Burleson Tennis Center), seeks to improve student engagement in active recreation.

The existing storage-focused facility provides insufficient space for all necessary functions. The new facility will serve as a venue for both indoor climbing and the rental of equipment for other outdoor sports. It will also provide staff with improved office and conference space necessary to administer these activities and other programs. At approximately $2 million in total budget drawn from Student Affairs auxiliary revenues, the project seeks to begin construction in spring 2019 for occupant move-in during the fall 2019 academic semester.

Project Information Summary – Venture Out Building

BUILDINGS AND GROUNDS COMMITTEE

April 1, 2019

Title of Project:

Venture Out Renovation & Expansion

Location:

The project is located at the periphery of campus in the Athletics & Recreation District. It is sited off Beamer Way (adjacent to the existing Burrows-Burleson Tennis Center and Lower South Recreation Fields).

Current Project Status and Schedule:

The project is currently entering working drawings. Design is targeted to conclude, and construction to begin, in spring 2019. Occupant move-in is targeted for fall 2019.

Project Description:

The project improves student engagement in active recreation. The existing facility provides insufficient space for all necessary functions. The new facility will serve as a venue for both indoor climbing and the rental of equipment for other outdoor sports. It will also provide staff with improved office and conference space necessary to administer these programs.

Brief Program Description:

A new common area, outdoor pavilion, and renovation of the existing structure for storage comprises the majority of the program for this project. The common area (1,700 square feet) provides space for indoor bouldering (low-height rock climbing). The pavilion (1,850 square feet) provides space for outdoor events and activities. The storage area (1,700 square feet) will provide enhanced capacity to hold outdoor equipment rented to students. The remaining 1,250 feet of the program represents conference, office, laundry, and support uses.

Contextual Issues and Design Intent:

Located in a peripheral district of campus, in which the architecture does not generally conform to the Collegiate Gothic Revival standard present in the campus core, the proposed design represents a step towards enhancing the architectural character of the facilities in its immediate vicinity. The project is located adjacent to the “Chicken Hill” research facilities, the Burrows-Burleson Tennis Center, and the Parking Services Building. None of these buildings incorporate Hokie Stone or the Collegiate Gothic Revival architectural style. As such, the project’s use of imitation Hokie Stone, cement panels, and its mono-pitch roof represents a balance of design elements typically seen on the campus core with the more utilitarian approach historically applied to the structures in its vicinity.

Funding:

The total budget of approximately $2 million is drawn from Student Affairs auxiliary revenues.

Architect/Engineer:

TKA Architects

General Contractor:

To be determined

Attachment F

April 1, 2019

Venture Out Building

Briefing to Board of Visitors

VIRGINIA TECH

Venture Out Building

Project Information

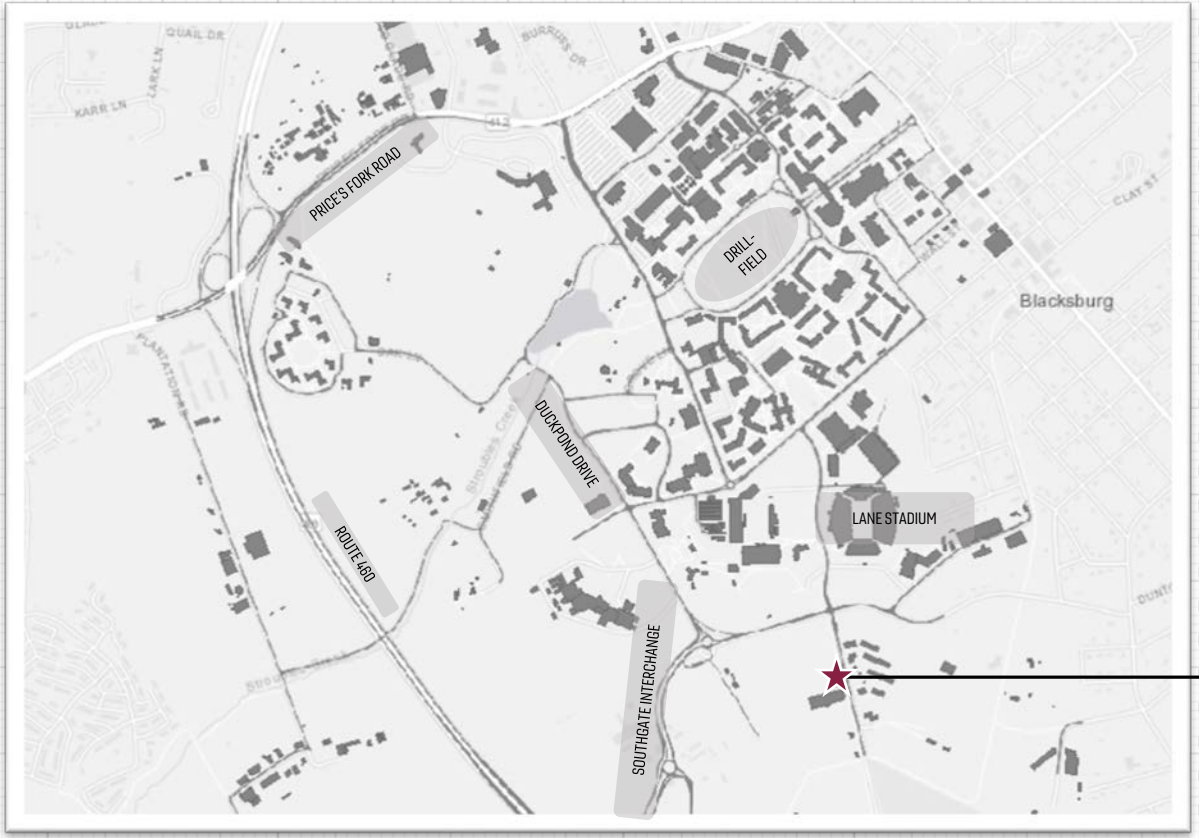
- Total Scope: ~6,500 GSF
  - New Const.(Enclosed): ~ 3,000 GSF
  - New Const. (Open): ~1,850 GSF
  - Renovation: ~1,700 GSF
- Delivery Method: Design-Bid-Build
- Funding: $2 Million
- Design Phase: Working Drawings
- Construction Start: Spring 2019
- Targeted Occupancy: Fall 2019

VIRGINIA TECH

Venture Out Building

Attachment F

Project Location

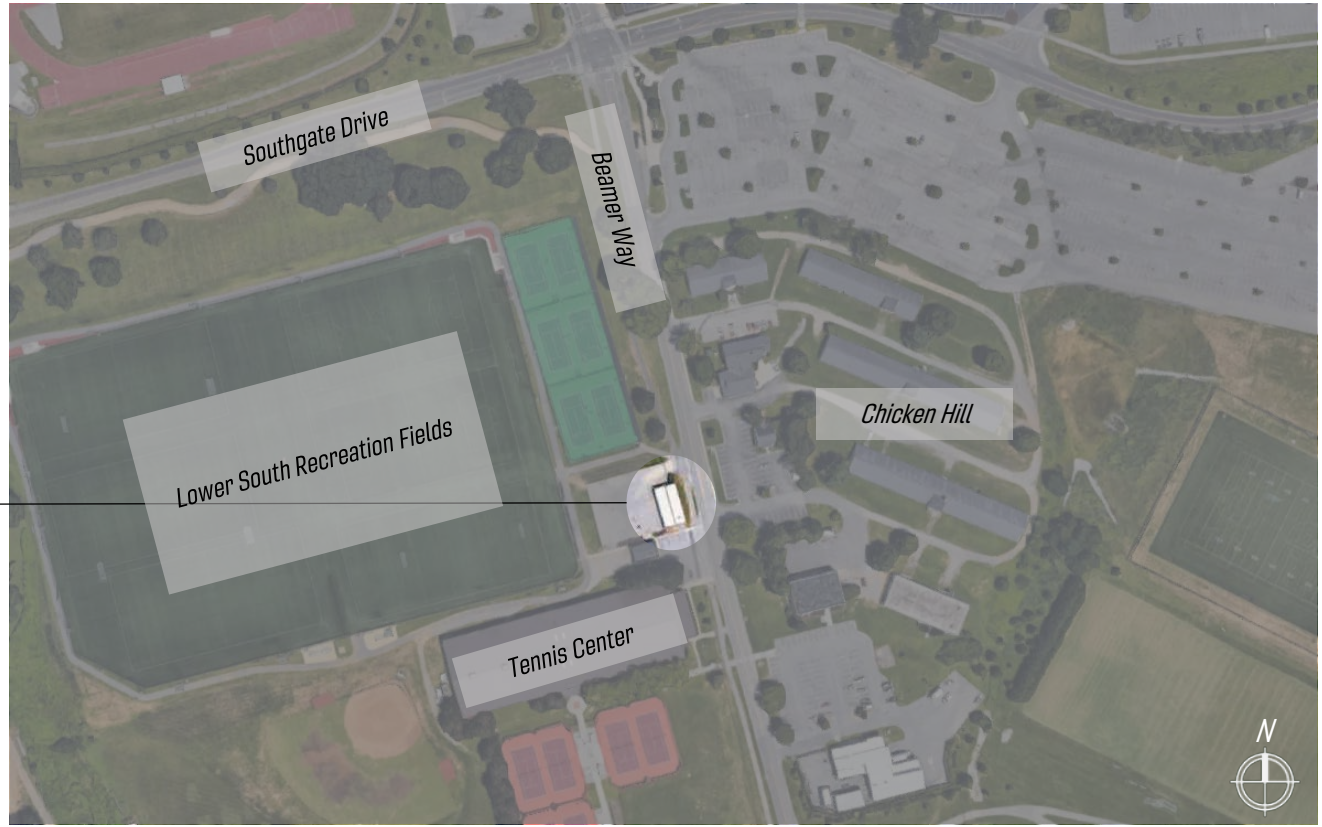


VIRGINIA TECH

Venture Out Building

Attachment F

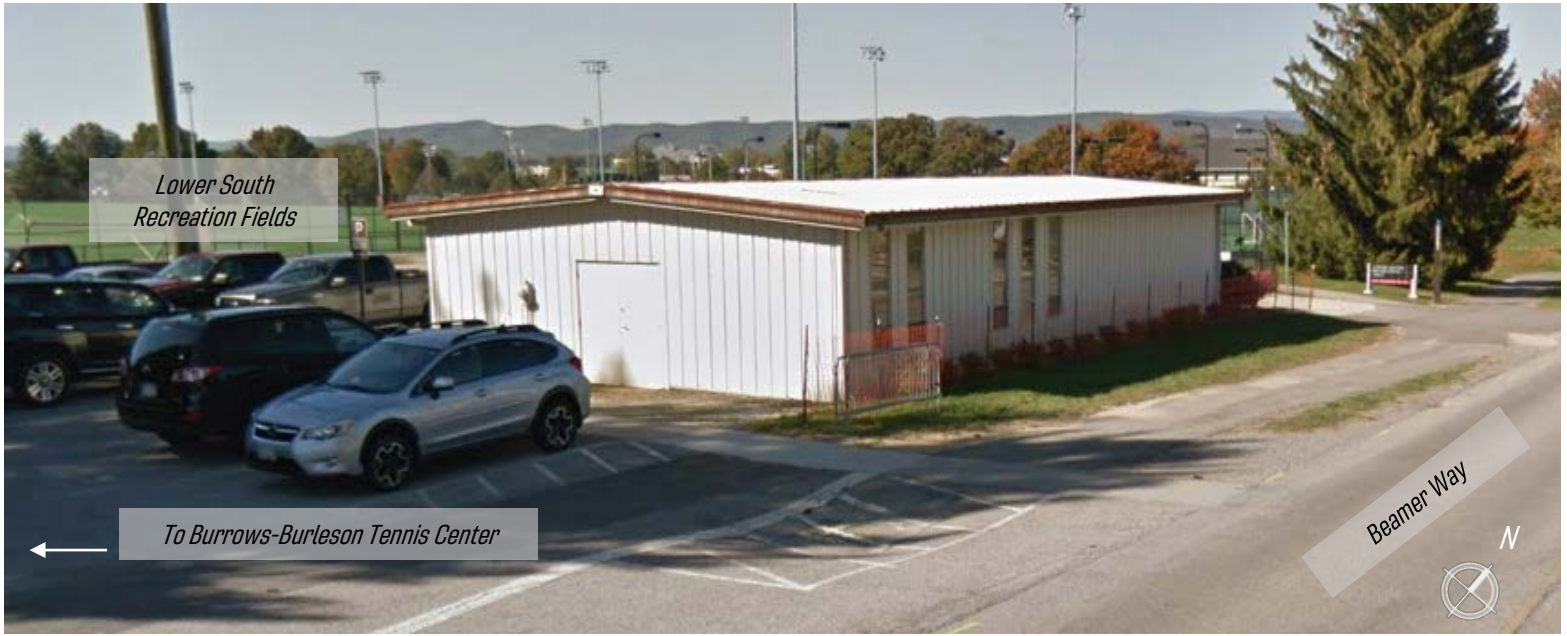
Project Location (Aerial View)



Venture Out

Venture Out Building

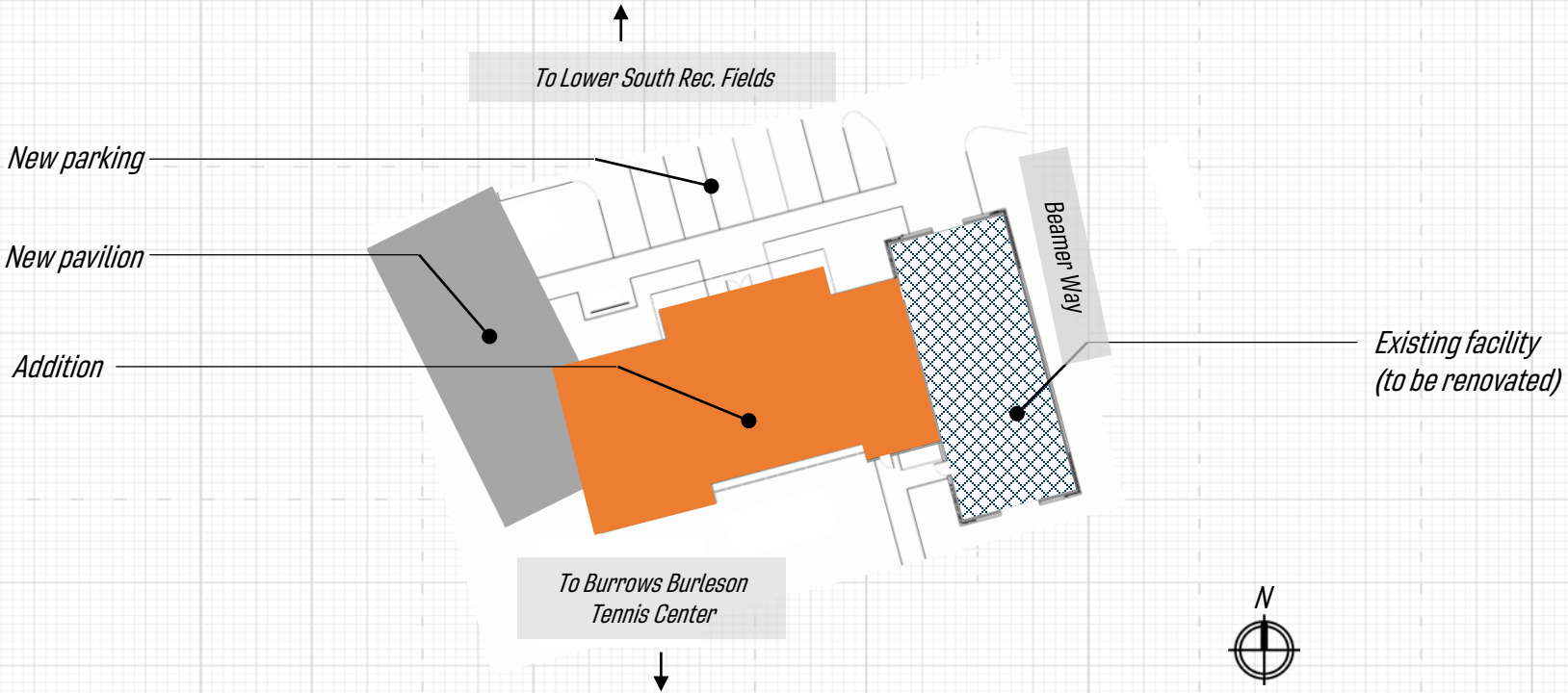
Existing Condition (Street View)



Venture Out Building

Attachment F

Site Plan

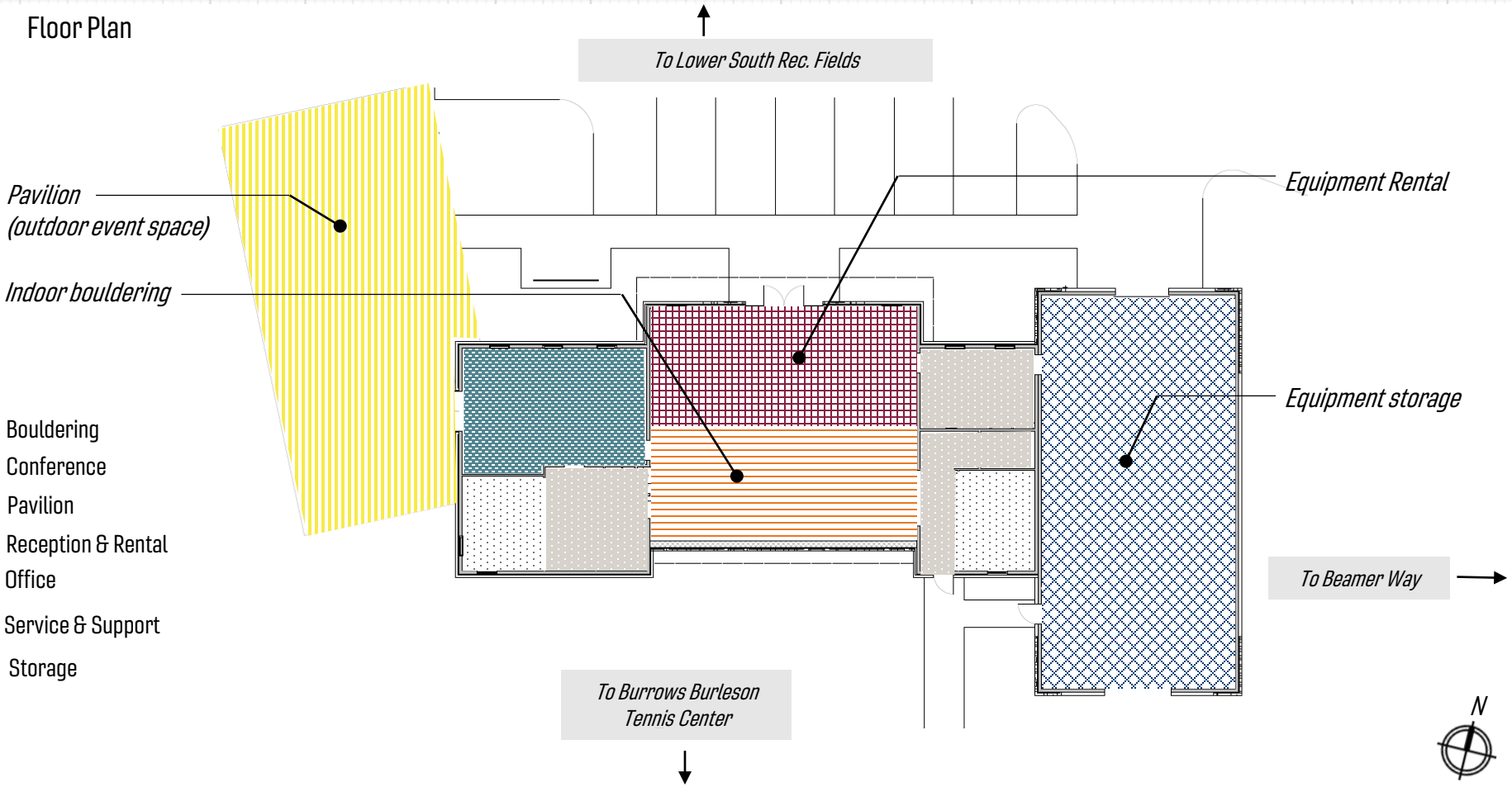


VIRGINIA TECH

Venture Out Building

Attachment F

Floor Plan



Venture Out Building

View from Beamer Way

Venture Out Building

Attachment F

View from Beamer Way

Venture Out Building

View from Tennis Center

BRIEFING ON EARLY SITE WORK FOR THE CREATIVITY AND INNOVATION DISTRICT LIVING-LEARNING COMMUNITY

The Creativity and Innovation District Living-Learning Community (CID LLC) is a new residence hall to be located on the eastern edge of the Blacksburg campus. At approximately 600 beds and 225,000 gross square feet of space, this project helps the institution develop the capacity to meet its enrollment growth goals. In addition, this facility serves an educational, as well as a residential, function. Its space program promotes student interaction and transdisciplinary engagement. For project efficiency, the university selected a design-build delivery method. Construction is targeted to begin in spring 2019 with building occupancy targeted for summer 2021.

To facilitate the targeted construction timeline, and accommodate the design-build project delivery method, early site work is planned. This effort would not exceed utility relocation, rough grading, foundations, and related work, but would begin prior to the standard design review by the Board; thus, the proposed early site package is offered as an informational item to keep the Board fully apprised of the limited-scope early construction activities described. The Board will receive an opportunity to review for approval the project design prior to the construction of any substantial design elements.

This $105.5 million project (approved at the November 2018 Board of Visitors meeting) was first proposed as part of the 2018-2024 Capital Outlay Plan. Funding will be derived primarily from university resources (i.e., auxiliary revenues from Student Affairs and the Department of Athletics). General education, rather than residential, space in the facility will be occupied under a facility use agreement.

Capital Project Information Summary
Creativity and Innovation District Living-Learning Community

BUILDINGS AND GROUNDS COMMITTEE

April 1, 2019

Title of Project:

Creativity and Innovation District Living-Learning Community (CID LLC)

Location:

The project is located on the eastern edge of Virginia Tech's Blacksburg campus. Directly south of the existing Graduate Life Center, the site is bounded by Otey Street, Wall Street, and Kent Street. It is located across from the existing Vawter and Barringer residence halls.

Current Project Status and Schedule:

The university has finalized its contract with the selected design-build team. The project is currently in the preliminary design phase. Construction start is targeted for spring 2019, and completion is targeted for summer 2021. Occupancy would begin with the fall 2021 academic semester.

Project Description:

CID LLC is a six-story, approximately 600 bed, residence hall. It is also an important element of advancing the university's Beyond Boundaries strategy through the built environment. A residence hall will help to create a more complete mixture of uses in the Creativity and Innovation District. Residents will introduce a more balanced level of activity by introducing uses at non-class hours and on weekends. Its integration of learning space and faculty-student engagement also helps further remove the divide between the living experience and learning experience on campus.

Description of Early Site Work:

Early site work efforts shall not exceed utility relocation, rough grading, foundations, and related work. Examples of such work include the relocation of sanitary sewer lines to avoid conflict with the building's foundations, grading of the site to allow required storm water management, excavation and laying of building foundations, and other limited scope work. The Board of Visitors will receive an opportunity to review for approval the project design prior to the construction of any substantial design elements.

Design/Build Team:

Architect of Record: Hanbury
Contractor: WM Jordan

Attachment F

April 1, 2019

CREATIVITY AND INNOVATION DISTRICT LIVING-LEARNING COMMUNITY

Briefing to Board of Visitors – Early Site Work

VIRGINIA TECH

Creativity & Innovation District Living-Learning Community

Attachment F

Project Information

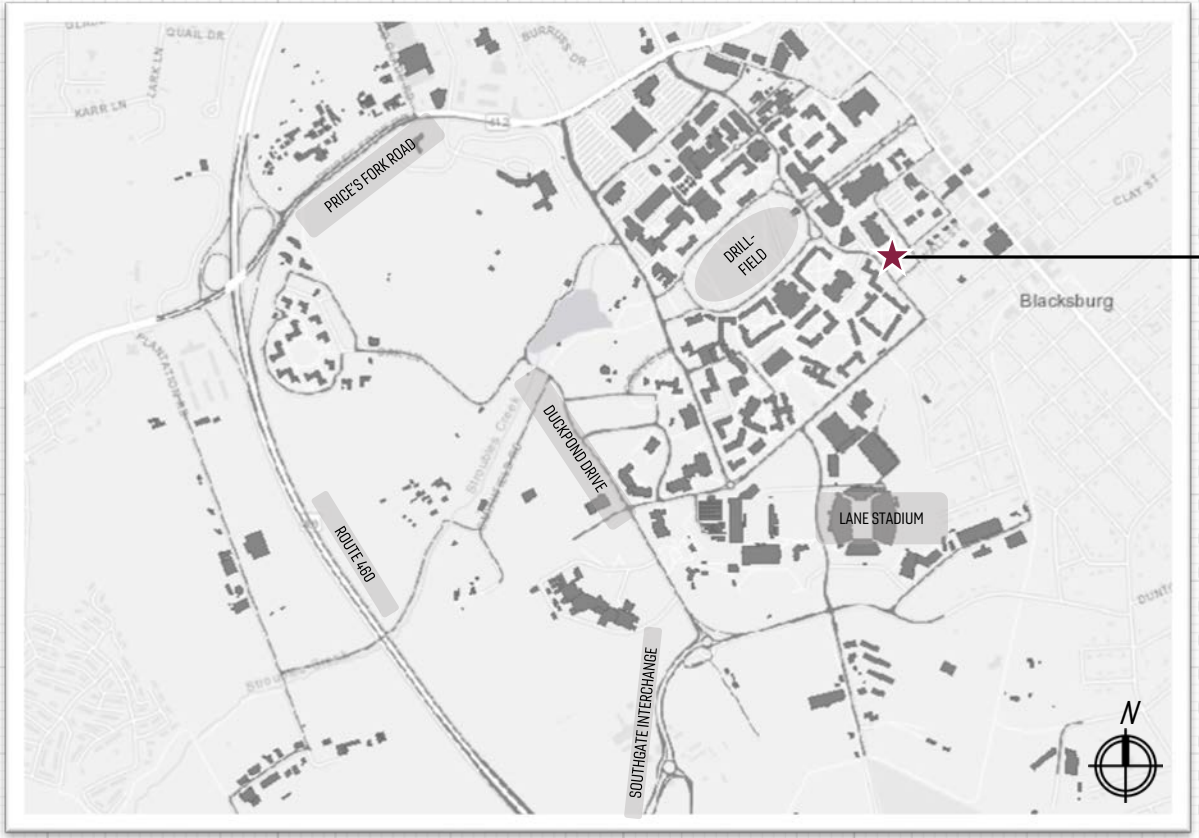
- New Construction: ~ 225,000 GSF
- Delivery Method: Design-Build
- Funding (Max. Authorization): $105.5 Million
- Design Phase: Preliminary Design
- Construction Start: Spring 2019
- Targeted Occupancy: Summer 2021

VIRGINIA TECH

Creativity & Innovation District Living-Learning Community

Attachment F

Project Location



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Creativity & Innovation District Living-Learning Community

Attachment F

Existing Condition (Aerial View)

To campus core

To downtown Blacksburg

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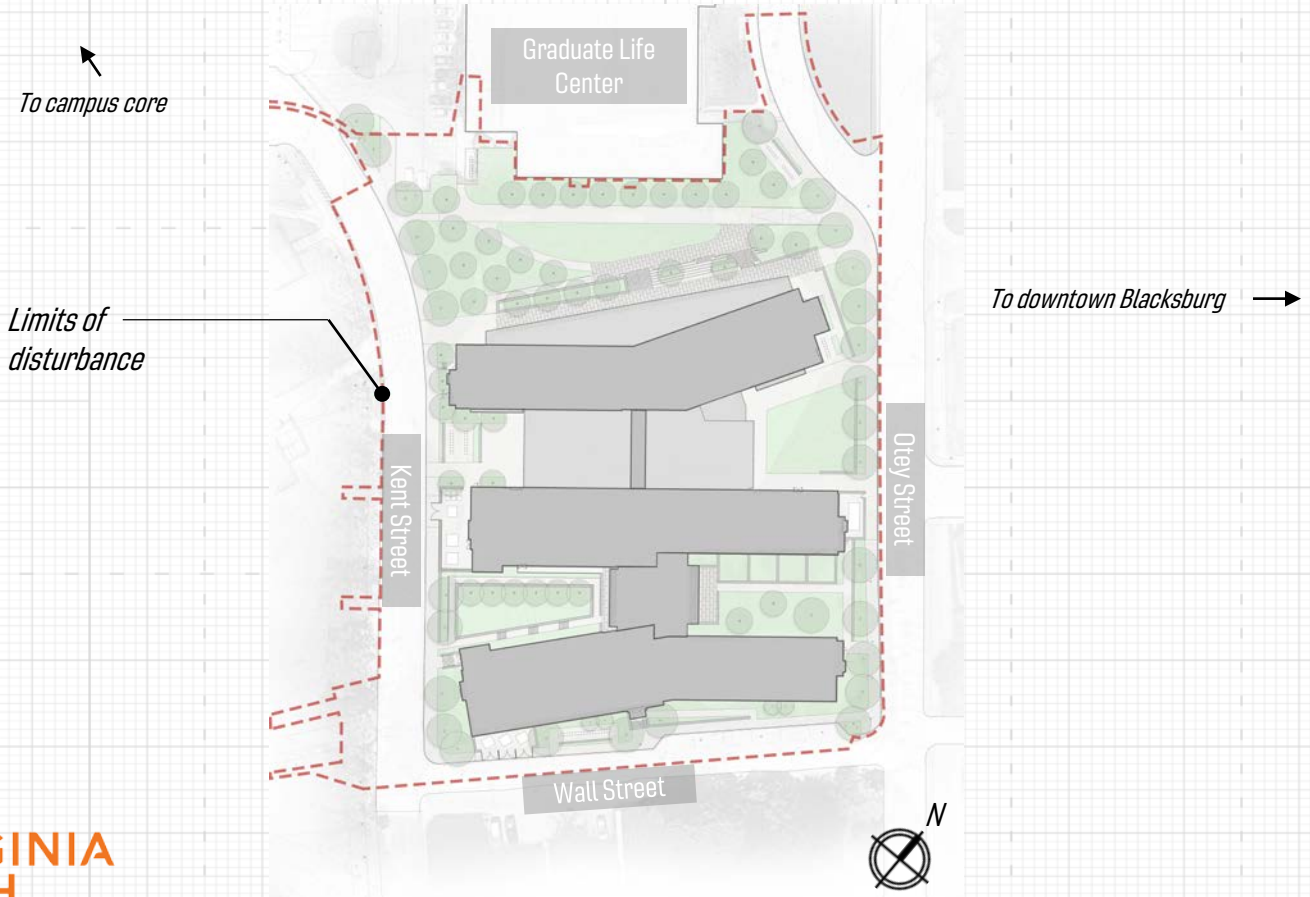
Creativity & Innovation District Living-Learning Community

Attachment F

Updated Site Plan



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Attachment F

Utility Relocation

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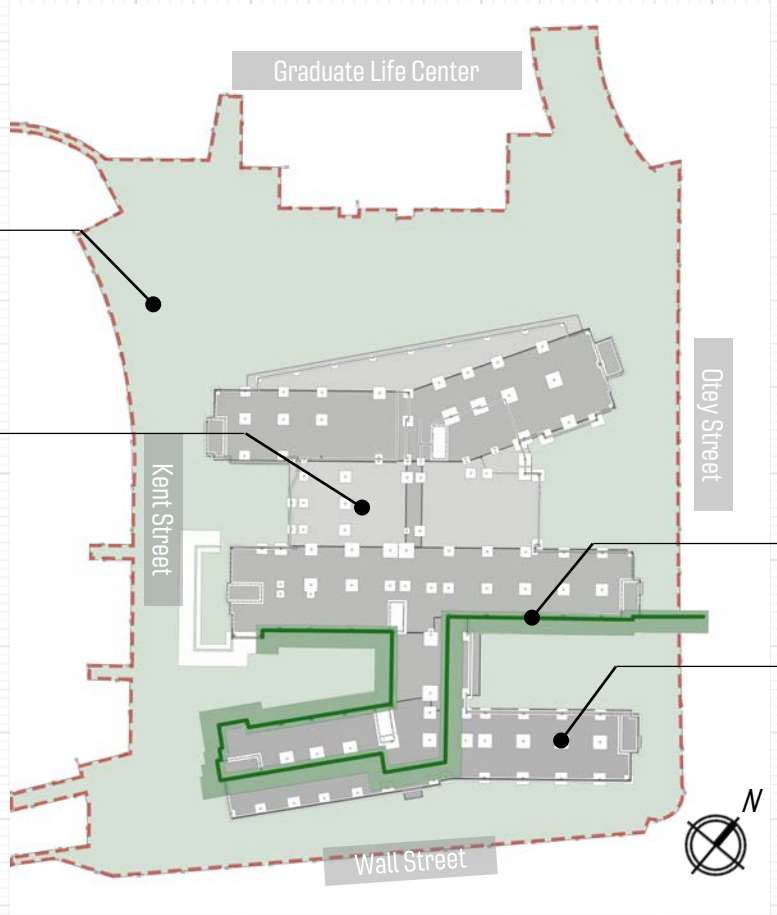
Attachment F

Grading & Foundations



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