



UNIVERSITY
of VIRGINIA

Board of Visitors Buildings & Grounds Committee
September 12, 2019

Agenda

Action Items

- Naming: Fontaine Resilience Garden
- Schematic Design Approval: Athletics Complex Phase I

Reports by the Senior Vice President for Operations

- Sustainability Annual Report
- University Building Official Annual Report
- Senior Vice President's Remarks

Action Items



Naming: Fontaine Resilience Garden

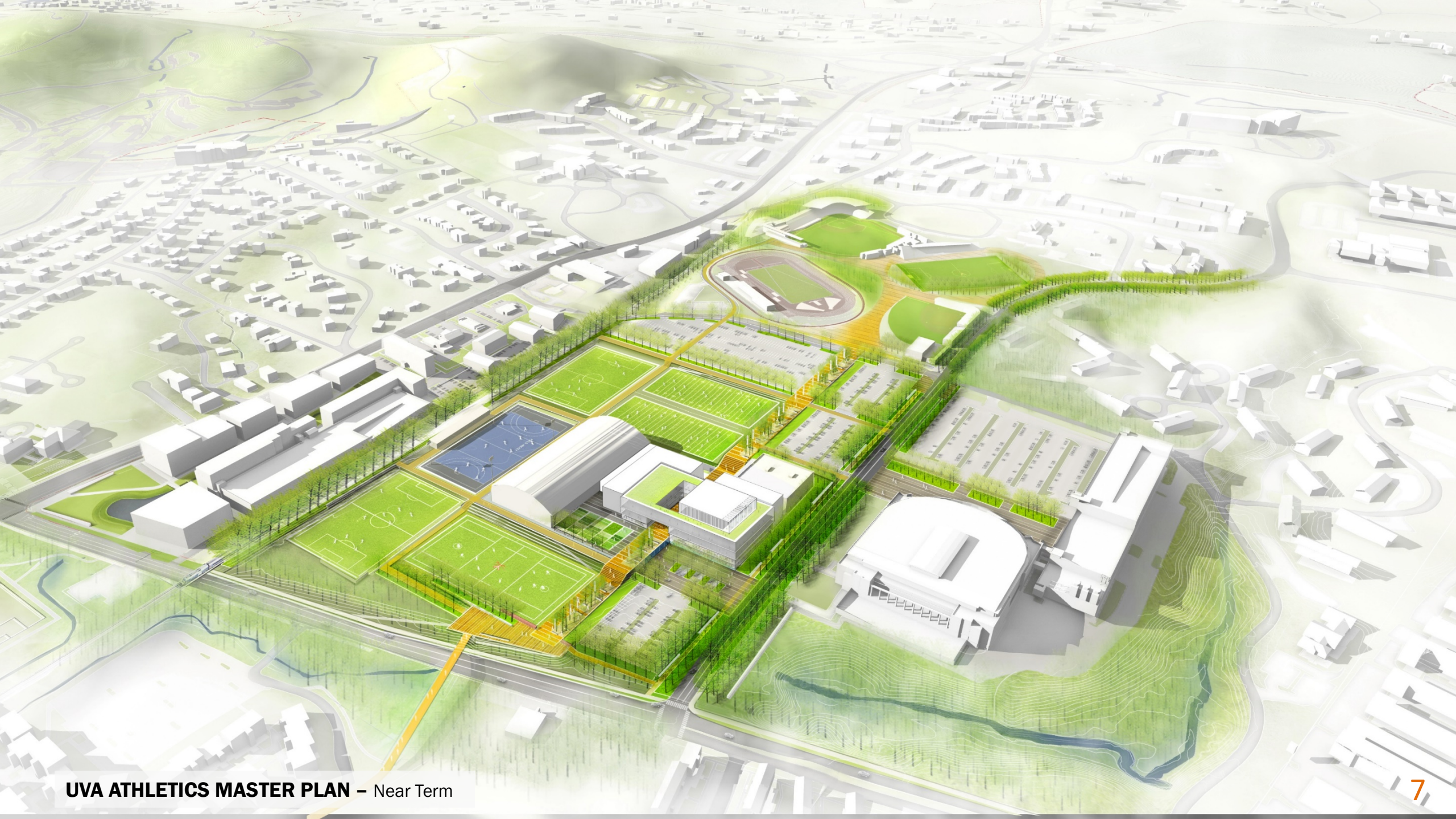


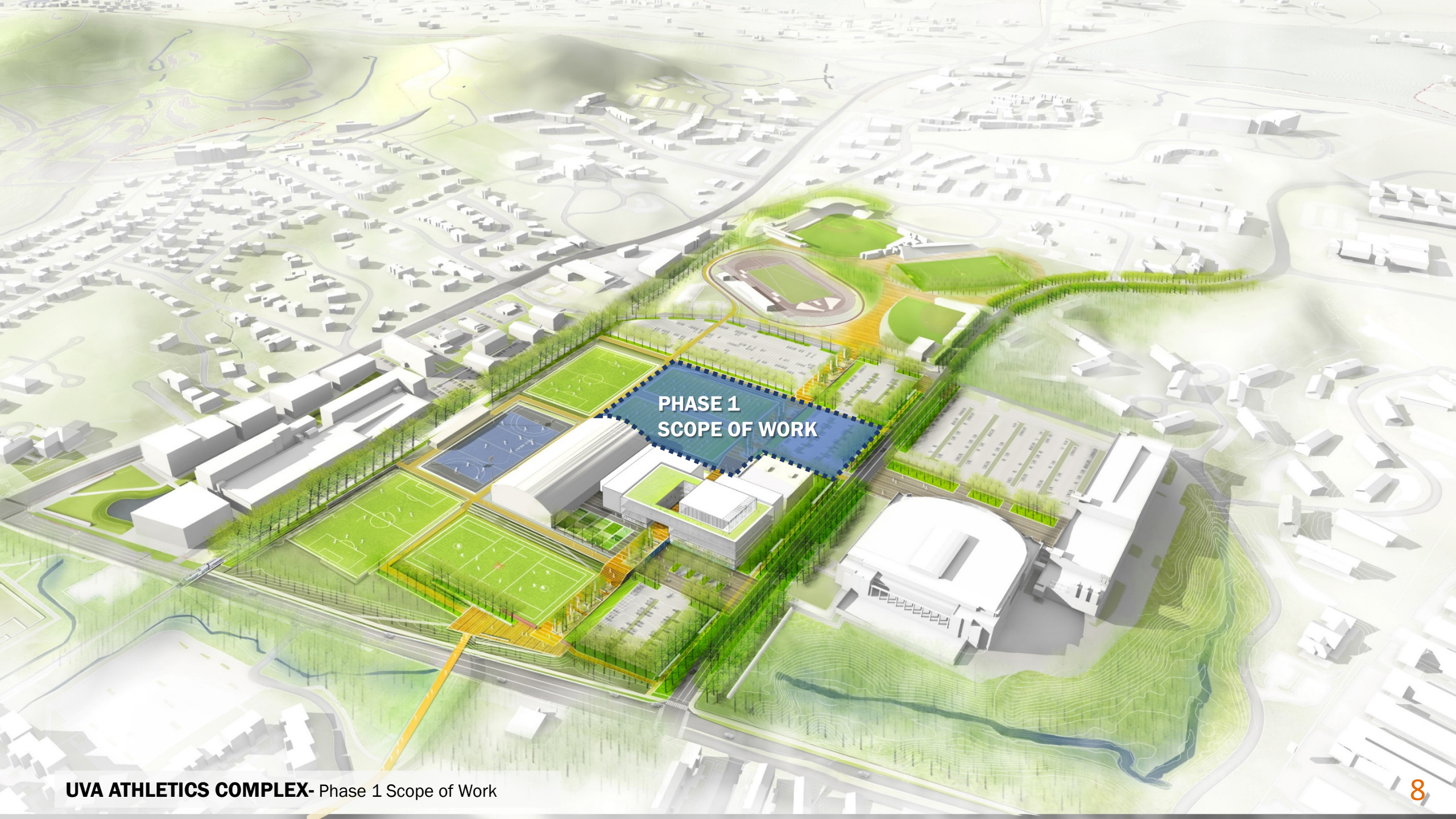
- Constructing outdoor resilience classroom and garden in front of McLeod Hall
- Contemplative healing space surrounded by native plants, trees, and shrubs
- Expected completion in early 2020
- Recommend approval of naming “Fontaine Resilience Garden” in honor of Dorrie K. Fontaine, Dean Emerita of the School of Nursing

Schematic Design Approval: Athletics Complex Phase I

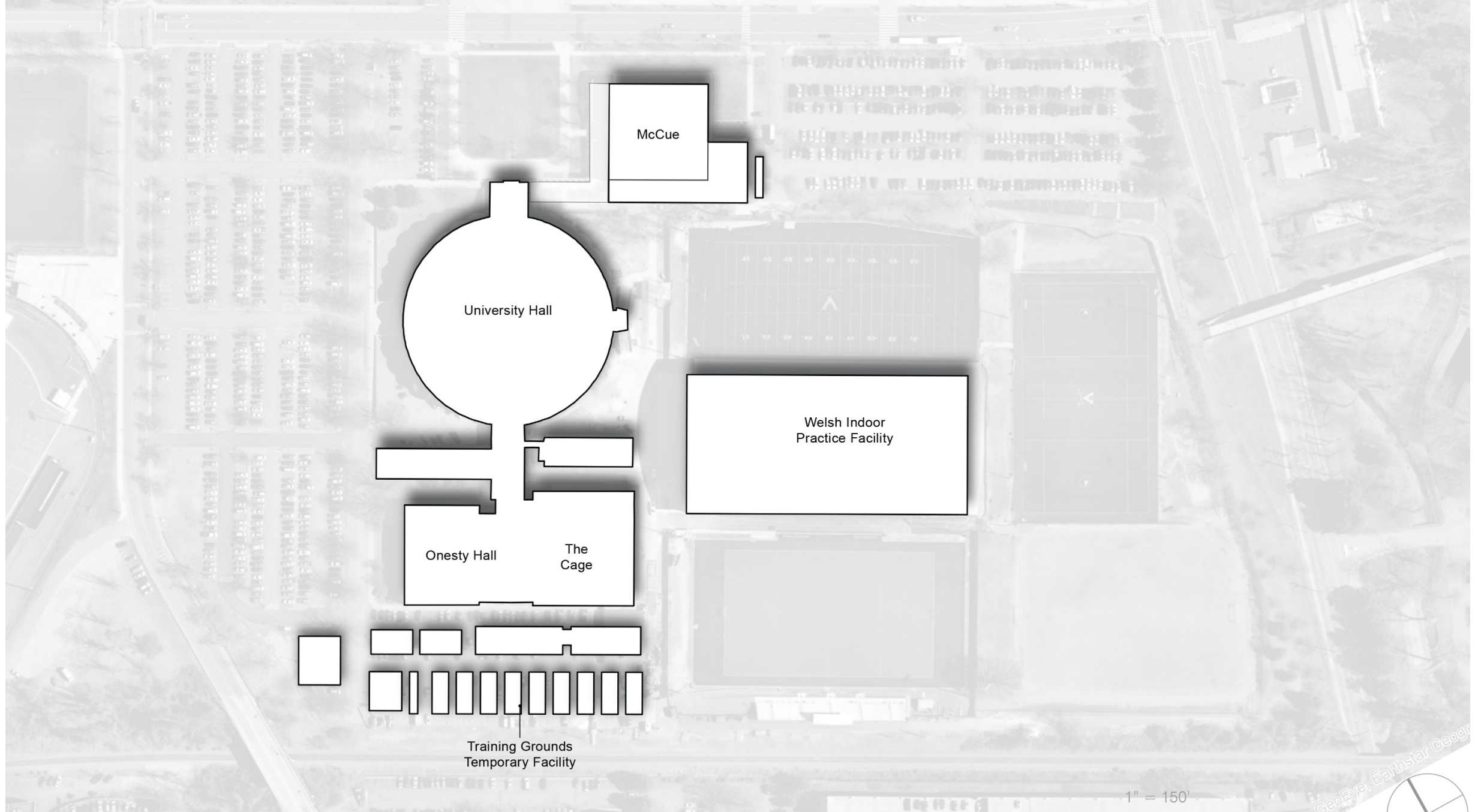








PHASE 1
SCOPE OF WORK



McCue

University Hall

Welsh Indoor Practice Facility

Onesty Hall

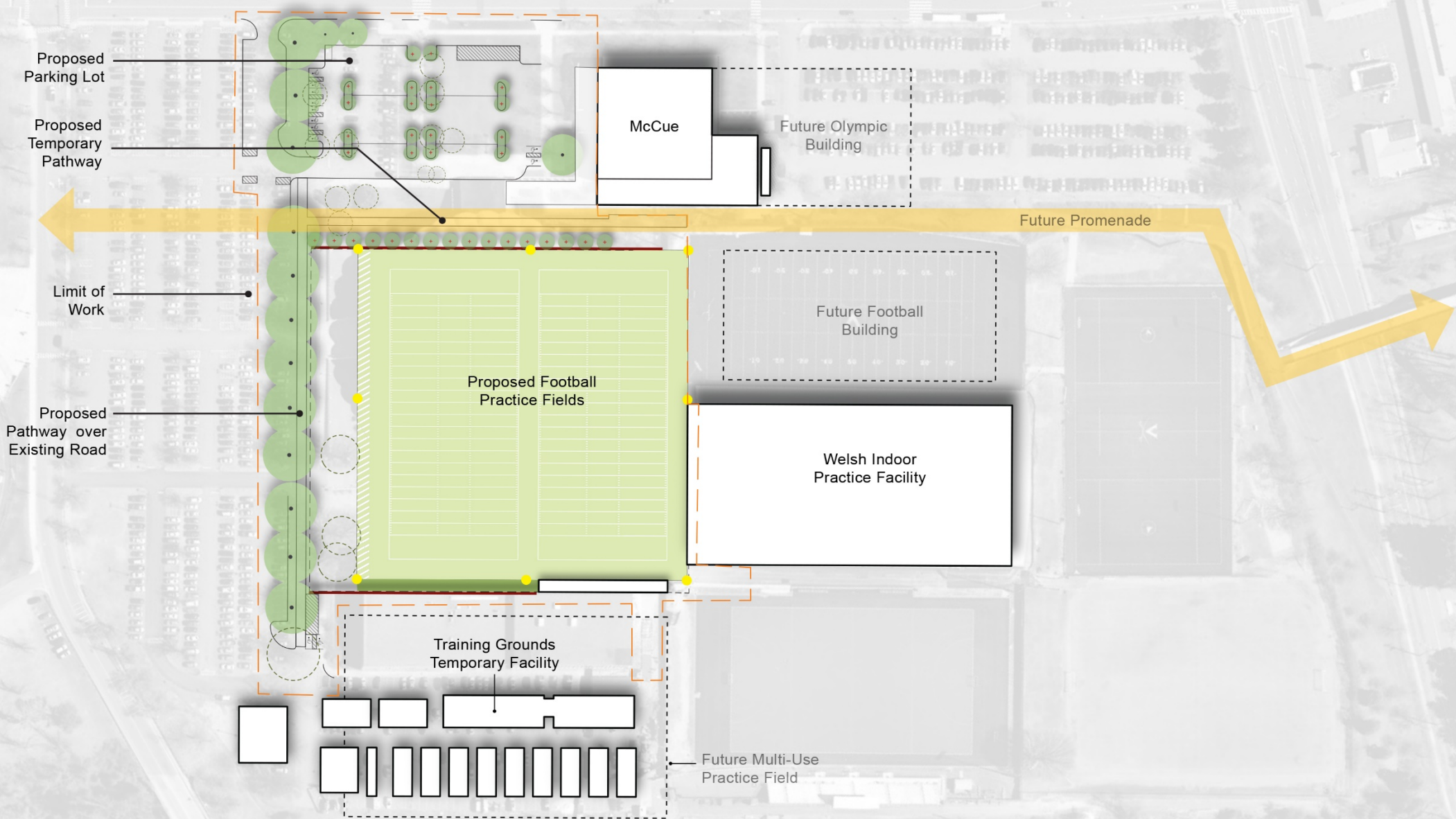
The Cage

Training Grounds Temporary Facility

UVA ATHLETICS COMPLEX– Existing Site Plan



GeoEye, Earthstar Geogr
Digital Globe, 300'



Proposed Parking Lot
 Proposed Temporary Pathway

McCue

Future Olympic Building

Future Promenade

Limit of Work

Future Football Building

Proposed Football Practice Fields

Proposed Pathway over Existing Road

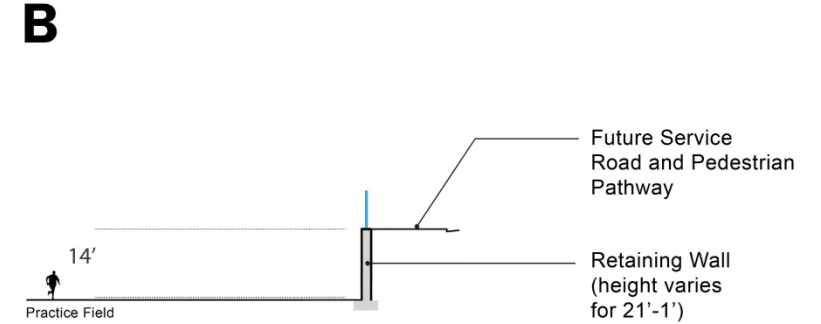
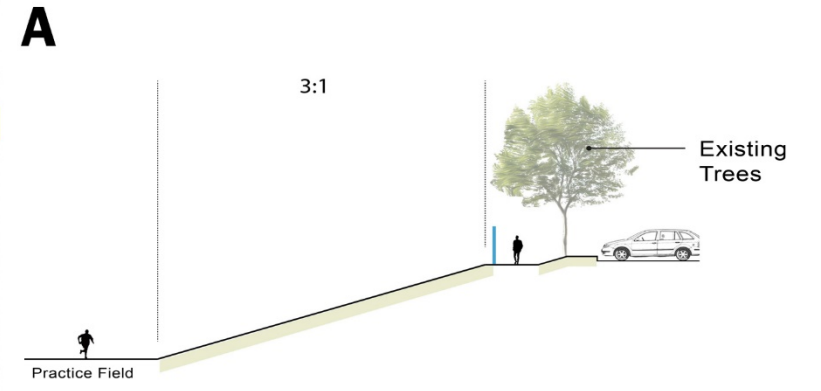
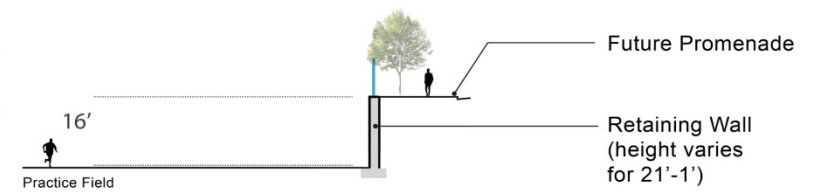
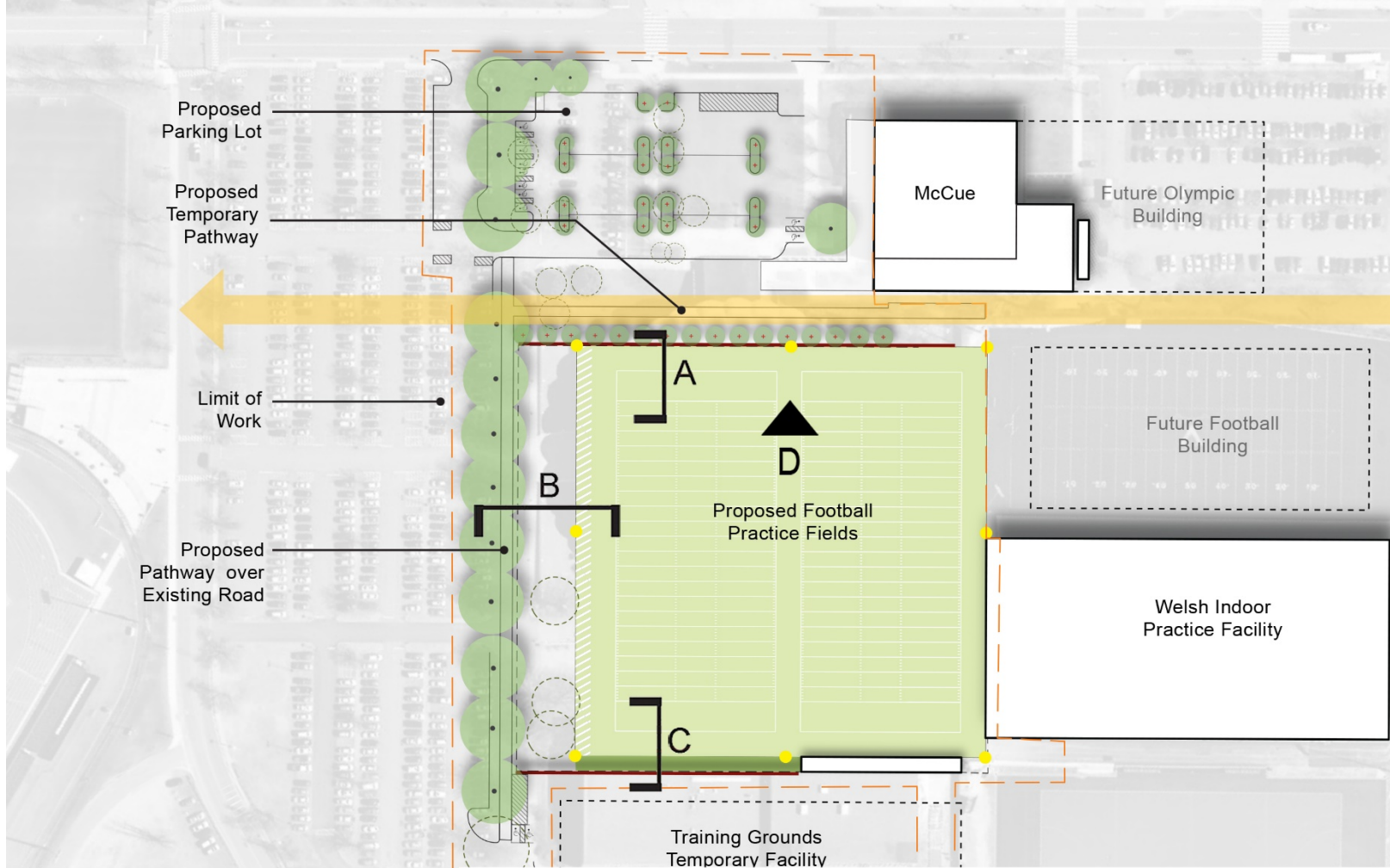
Welsh Indoor Practice Facility

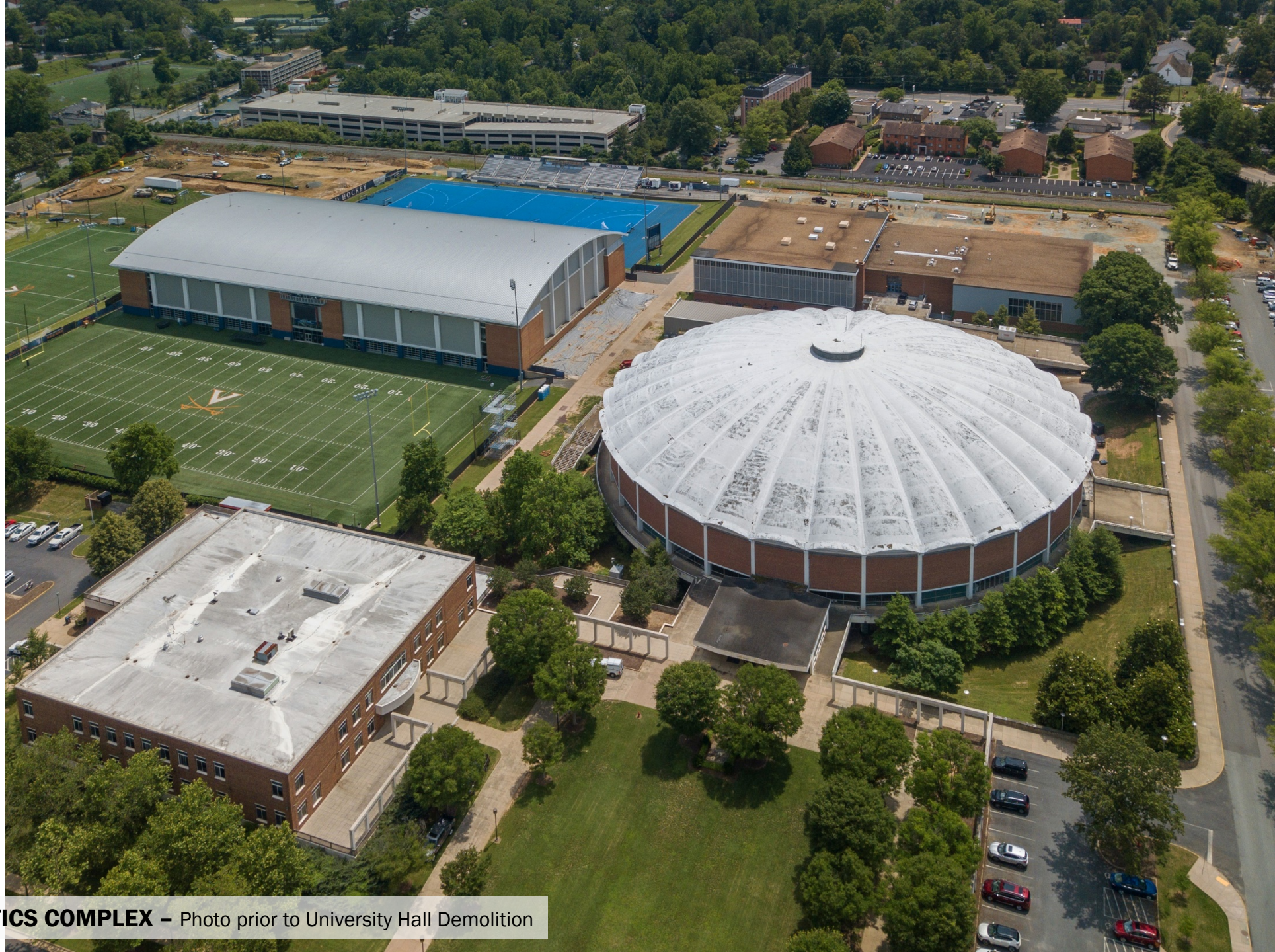
Training Grounds Temporary Facility

Future Multi-Use Practice Field

UVA ATHLETICS COMPLEX - Phase 1 Site Plan







UVA ATHLETICS COMPLEX – Photo prior to University Hall Demolition



UVA ATHLETICS COMPLEX - Phase 1 Aerial Visualization Looking South



UVA SUSTAINABILITY

LIVING OUR VALUES

UVA SUSTAINABILITY FRAMEWORK



ENGAGE in our community, serve our community, and build sustainability awareness



DISCOVER new solutions to global challenges through research, curriculum, and using the Grounds as a learning tool



STEWARD our resources on Grounds and beyond by living our values through our actions and operations

UNIVERSITY COMMITTEE ON SUSTAINABILITY

CHARGE: The UVA Committee on Sustainability advises the Executive Vice Presidents on all matters related to the University's commitment to sustainability and how those impact the future of the University including interrelated environmental, financial, teaching, research, and social aspects.

In carrying out this charge, the Committee shall be engaged in the following:

- Fostering the **development and dissemination of sustainability knowledge** through research and teaching.
- Promoting the highest standards of **sustainable practices on Grounds**.
- **Engaging the civic and academic communities** in topics associated with sustainability.
- Contributing to and **reporting on progress** in achieving the University's sustainability goals.



28 pan-University departments
2 co-chairs – 1 academic + 1 administrative
34 members

UVA SUSTAINABILITY STRUCTURE

EVP & Provost

- 350+ faculty engaged in sustainability-related research
- 160+ sustainability-related courses
- Environmental Resilience Institute (D)
- Global Sustainability Major and Minor (D, S)
- Darden Business Innovation and Climate Change Initiative (D)
- McIntire Sustainability Certificate (D)
- Morven Sustainability Research and Summer Institute (D)

VP and Chief Student Affairs Officer

- Student Council Sustainability Committee (E, S)
- 30+ sustainability-related student organizations (E, S)

EVP & COO

- Facilities Management (S, E, D)
 - Office for Sustainability (S, E, D)
 - Environmental Resources (S)
- Transportation Demand Management Program (S, E)
- Green Dining Program (S, E)
- Office of the Architect (S, D)

EVP for Health Affairs

- Health System Sustainability Committee (S, E, D)



UVA SUSTAINABILITY PLAN (2016-2020)



120+
contributors and reviewers

23 goals

103 targeted initiatives



15
working groups

ENGAGE



- Awareness
- Engagement
- Health
- Equity and Inclusion

DISCOVER



- Research
- Curriculum
- Grounds as a Learning Tool

STEWARD

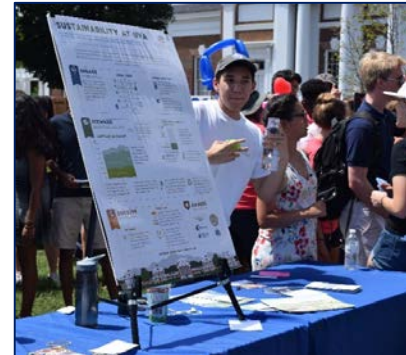


- Greenhouse Gas
- Energy
- Nitrogen
- Materials and Waste
- Water
- Land and Buildings
- Food

ENGAGE

Living Our Values: Serving our Community

engagement collaboration
equity wellness health
environment justice
awareness community



ENGAGE

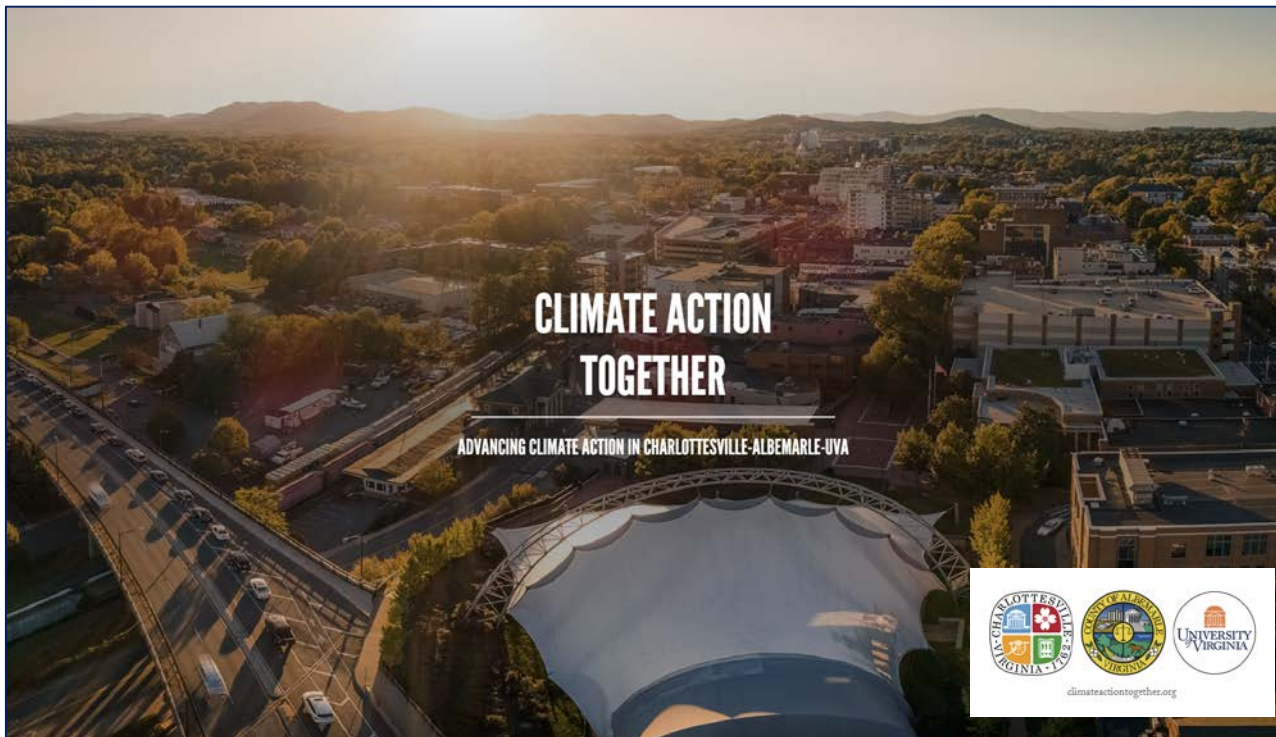
Living Our Values: Serving our Community



Bicentennial Sustainability Leadership Summit attended by more than 600 students, staff, faculty, alumni, and community members

ENGAGE

Living Our Values: Serving our Community



Climate Action Together
Collaboration between
UVA, City of Charlottesville,
and Albemarle County
sustainability staff

DISCOVER

Living Our Values: Creating a Sustainable Future

- Teaching & Degree Programs
- Trans-disciplinary Research
- Grounds as a Learning Lab



Pan-UVA Global Sustainability Major & Minor

Sustainability Faculty Fellows program

McIntire Certificate in Sustainable Business

Morven Sustainability Summer Institute

18 Sustainability Student Internship Grants

UVA Food Collaborative

Environmental Resilience Institute

Darden Business Innovation & Climate Change Initiative

School of Architecture Next Cities Initiative

2016-2020 SUSTAINABILITY PLAN: STEWARD GOALS

Goal	Progress to date (as of 2018)
Reduce <i>greenhouse gas (GHG) emissions</i> 25% below 2009 levels by 2025	Reduced GHG emissions by 16.5% (expect to meet goal by December 2019)
Reduce reactive <i>nitrogen</i> losses to the environment 25% below 2010 levels by 2025	Reduced nitrogen by 17%
Reduce potable <i>water</i> use 25% below 2010 levels by 2035	Reduced water use by 11.7%
<i>Landfill</i> less than 2000 tons annually by 2035	Landfilled 8,350 tons of waste
Reduce the total tonnage of <i>waste</i> generated 50% below 2014 amounts by 2035	Reduced waste by 4.7%

STEWARD

Living Our Values: Climate

GOAL: Reduce greenhouse gas emissions
25% below 2009 levels by 2025



UVA Hollyfield solar field

Expect to meet goal in 2019, six years early.

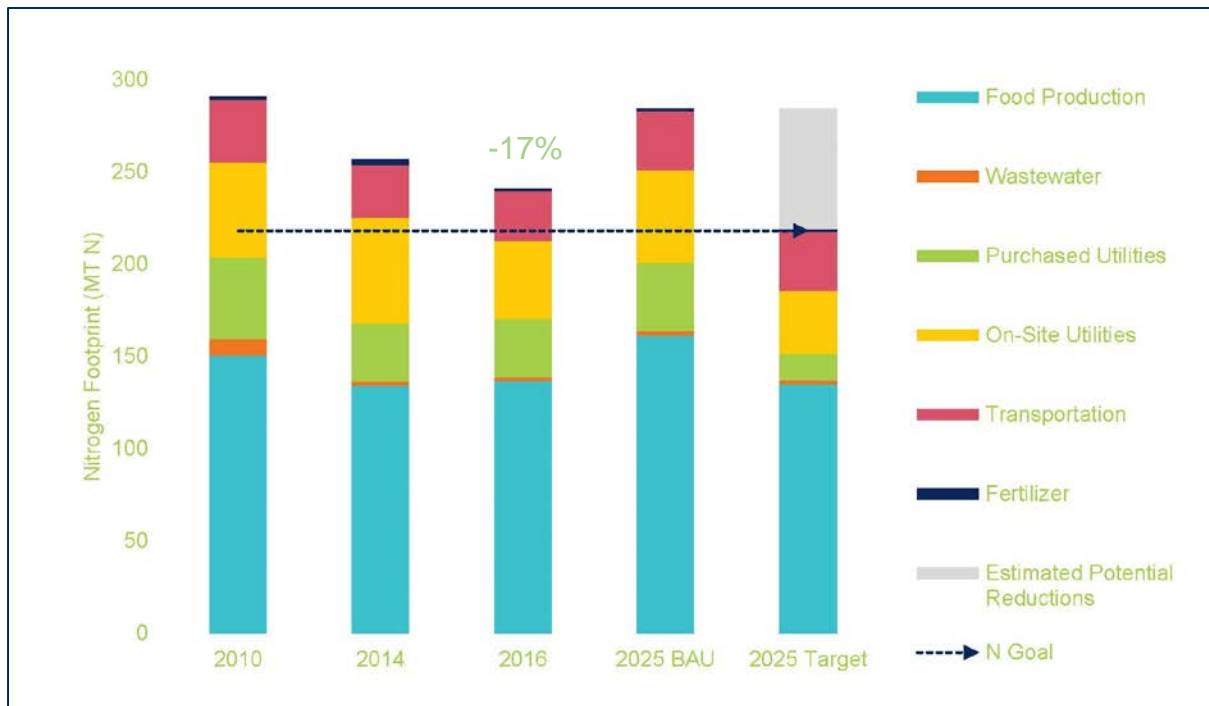
Energy efficiency, district energy improvements, and renewables have played a major role

20% of UVA's electricity is generated by two utility-scale solar projects: UVA Hollyfield (17 MW) and UVA Puller (15 MW)

STEWARD

Living Our Values: Nitrogen

GOAL: Reduce reactive nitrogen
25% below 2010 levels by 2025

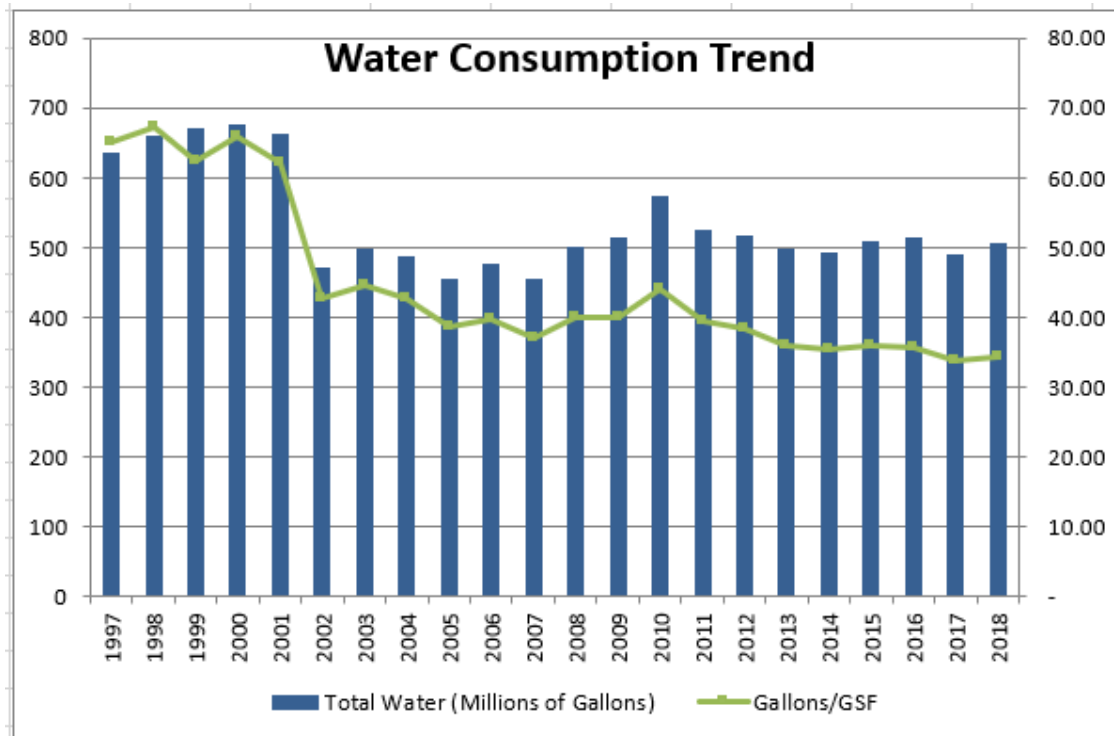


Reduced reactive
nitrogen emissions by
17% relative to 2010

STEWARD

Living Our Values: Water

GOAL: Reduce water use 25%
below 2010 levels by 2035



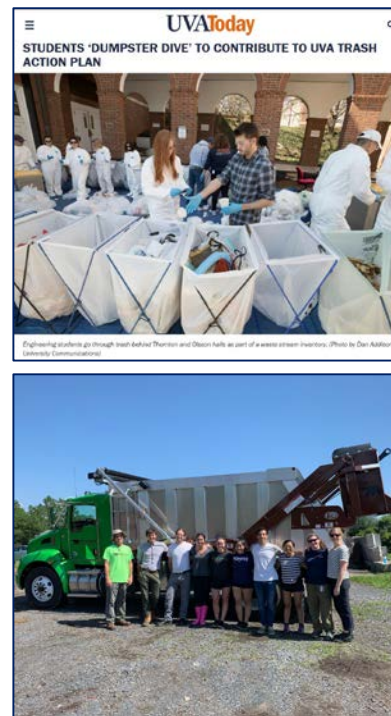
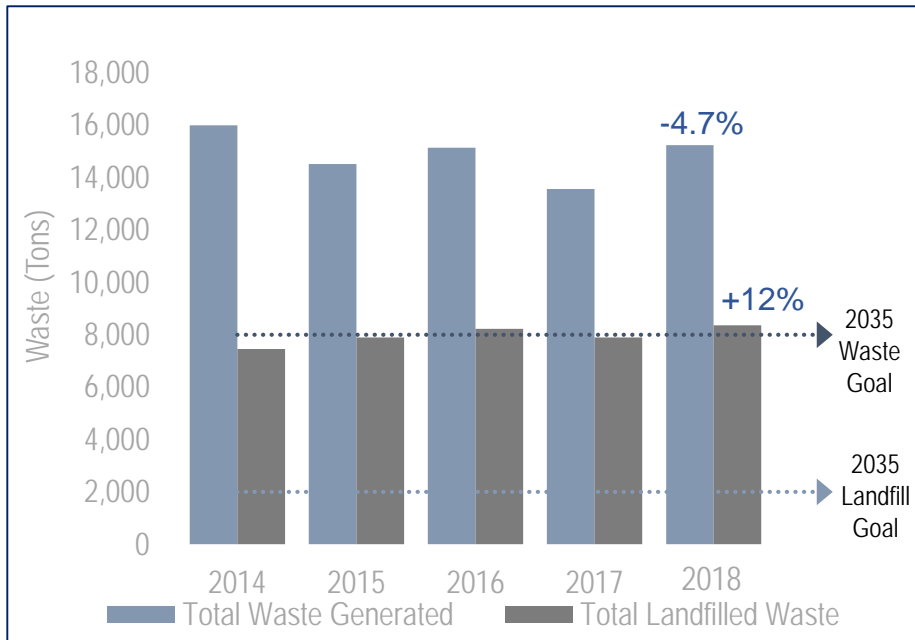
Reduced total water use 25%
(165 million gallons/year)
over the past two decades despite growth;
equal to almost \$2.9 million dollars



STEWARD

GOAL: Landfill less than 2000 tons annually by 2035

Living Our Values: Materials and Waste



WASTE NOT: UVA REUNIONS SAVES THOUSANDS OF POUNDS OF COMPOST



The UVA Alumni Association partnered with Facilities Management to recycle or compost 90% of the waste from many of the Reunions Weekends events held earlier this month. (Photo by Jack Looney)

Recycled 44%; 6,500 tons diverted from landfills last year

DISCUSSION



Office of the University Building Official

BOV Presentation on the OUBO Annual Report, September 2019

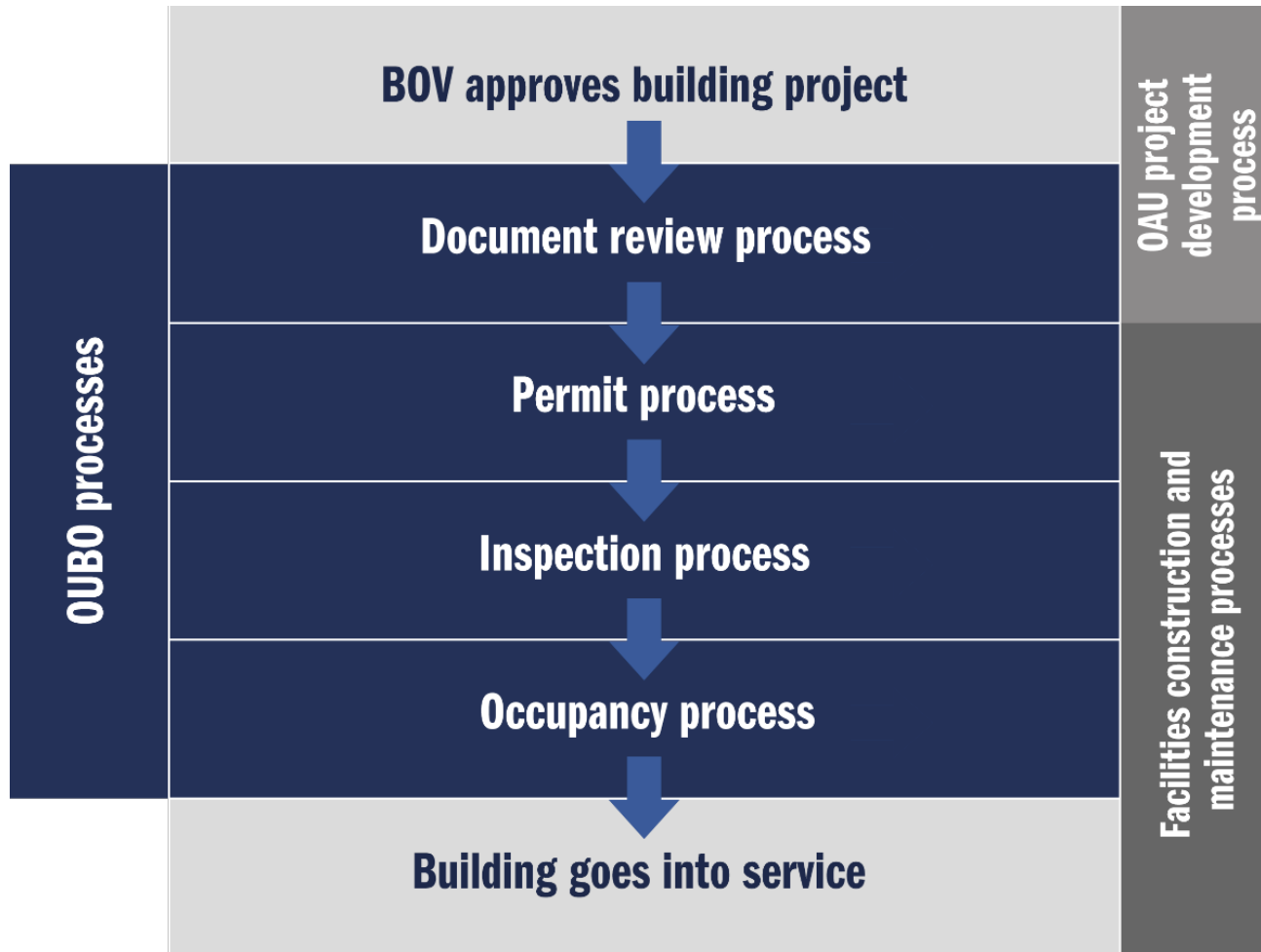


University Building Official
Benjamin Hays, PE, LEED AP, CBO



The purpose of the Building Code is *to protect the health, safety, and welfare of the residents of the Commonwealth*
Our mission is to promote a high quality, healthy, safe, and accessible built environment for the University community
Our vision is to be a valued and creative partner in the ongoing physical development of the University

Our Year: Overview



Reviewed

1,277 design documents [+10%]

Processed

284 building permits

Performed more than

1,308 construction inspections

Evaluated

240 requests for occupancy

for ongoing design and construction of

\$1.878 billion

Our Year: Highlights



Maintained Project Schedules by Completing

99% of projects according to published timelines

Our Year: Highlights



Prioritized and Collaborated on Critical Projects

including University Hospital

Our Year: Highlights



Prioritized and Collaborated on Critical Projects

including Bond House

Our Year: Highlights



Demo Permits to support Administration & BOV

plans for Athletics & Emmet-Ivy



OUBO's location on-Grounds means we are
highly responsive to customers



We are committed to the 2030 Strategic Plan and
support its goals and initiatives



OUBO's architects, engineers, inspectors, & technicians

***know everyone is our customer &
safe buildings are our responsibility***

Remarks by the Senior Vice President for Operations



