

# University of Virginia Approach to Project Planning and LEED Certification

October 30, 2008

# Campus Planning

Grounds Plan approved  
in February 2008



Office of the Architect for the University



# Grounds Plan Concept



# Short History of Sustainable Planning And Design

**August 2005:**  
Guidelines for Sustainable Buildings and Environmental Design



**January 2007:**  
UVA Sustainability Assessment



**January 2007:**  
Board of Visitors adopt LEED Requirement



# LEED Process

## Guidelines For LEED Projects at UVa

### LEED Campus Credits

#### LEED CONSULTANTS:

TEC

Train & Partners

Davis Langdon

ZGF

HEWV

Atelier 10

ARG

BVM Engineering

Veridian

Bowie Gridley

Perkins & Will

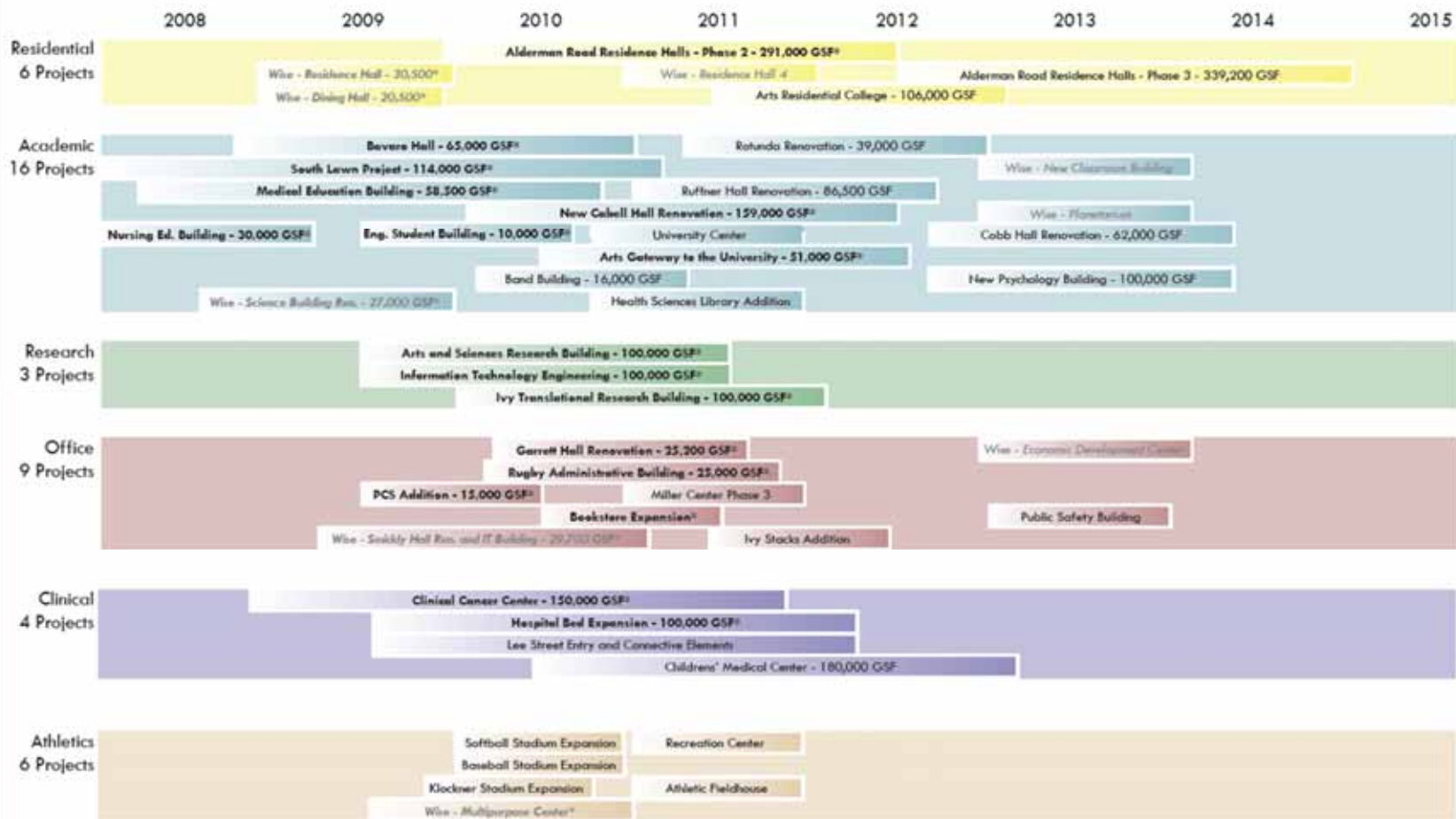
VMDO



# UVA's COLLEGE AT WISE PROJECTS



University of Virginia - Future Building Projects Seeking LEED NC Certification  
 Includes New Construction and Major Renovation Projects at UVa and UVa's College at Wise (in grey)



Project\* - Bold type and asterisk indicates USGBC registered project





**BAYARD HALL - SCHOOL OF EDUCATION**

- PROJECT COST: \$24.8 M
- ARCHITECT: ROBERT A. M. STERN ARCHITECTS
- CONTRACTOR: DONLEY'S
- CONSTRUCTION START: MAY 2008, FINISH: SEPTEMBER 2010



CURRENT PLANNING & PROJECTS REPORT



**CLAUDE MOORE MEDICAL EDUCATION BUILDING**

- PROJECT COST: \$42.7 M
- ARCHITECT: CO ARCHITECTS
- CONTRACTOR: BARTON MALOW
- CONSTRUCTION START: NOVEMBER 2007, FINISH: MAY 2010



CURRENT PLANNING & PROJECTS REPORT



**EMILY COURIC CLINICAL CANCER CENTER**

- PROJECT COST: \$26.0 M
- ARCHITECT: ZHUBER-GUINÉE-FRANCA PARTNERSHIP
- CONTRACTOR: GILKANE WITH H.J. RUSSELL
- CONSTRUCTION START: APRIL 2008, FINISH: APRIL 2011



CURRENT PLANNING & PROJECTS REPORT



**SOUTH LAWN PROJECT - PHASE I**

- PROJECT COST: \$60.0 M
- ARCHITECT: MOORE BERLE YIDELL
- CONTRACTOR: BARTON MALOW
- CONSTRUCTION START: JUNE 2007, FINISH: NOVEMBER 2010



CURRENT PLANNING & PROJECTS REPORT



**GARRETT HALL RENOVATION**

- PROJECT COST: \$44.0 M
- ARCHITECT: ARCHITECTURAL RENOVATION GROUP
- CONTRACTOR: TBD
- CONSTRUCTION START: FALL 2006, FINISH: WINTER 2011



CURRENT PLANNING & PROJECTS REPORT

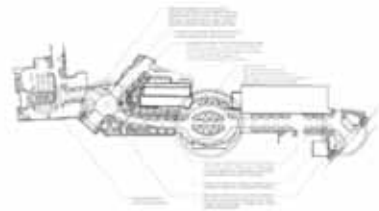


**HOSPITAL BED EXPANSION AND INFRASTRUCTURE**

- PROJECT COST: \$64.3 M
- ARCHITECT: SMITHGROUP
- CONTRACTOR: GLASSY WITH H.J. BOSHELL
- CONSTRUCTION START: JANUARY 2006, FINISH: JANUARY 2011



CURRENT PLANNING & PROJECTS REPORT



**LEE STREET ENTRY AND CONNECTIVE ELEMENTS**

- PROJECT COST: \$44.3 M
- ARCHITECT: ZOHNER-GUIDER-FRANCA PARTNERSHIP
- CONTRACTOR: TBD
- CONSTRUCTION START, FINISH: TBD



CURRENT PLANNING & PROJECTS REPORT



**RUGBY ADMINISTRATIVE BUILDING**

- PROJECT COST: \$57.3 M
- ARCHITECT: GLASSY & HUGHES
- CONTRACTOR: TBD
- CONSTRUCTION START: FALL 2006, FINISH: SPRING 2011



CURRENT PLANNING & PROJECTS REPORT



**ALDERMAN ROAD RESIDENCE AREA - PHASE II**

- PROJECT COST: 424.4 M
- ARCHITECT: TBD
- CONTRACTOR: TBD
- CONSTRUCTION START: 2009, FINISH: 2012



CURRENT PLANNING & PROJECTS REPORT



**COLLEGE OF ARTS & SCIENCES RESEARCH BUILDING**

- PROJECT COST: 48.9 M
- ARCHITECT: BORLIS CYWINSKI JACKSON
- CONTRACTOR: W.M. JORDAN
- CONSTRUCTION START: 2008, FINISH: 2010



CURRENT PLANNING & PROJECTS REPORT



**INFORMATION TECHNOLOGY ENGINEERING BUILDING**

- PROJECT COST: 476.3 M
- ARCHITECT: BORLIS CYWINSKI JACKSON
- CONTRACTOR: W.M. JORDAN
- CONSTRUCTION START: 2008, FINISH: 2010



CURRENT PLANNING & PROJECTS REPORT



**NEW CABELL HALL RENOVATION**

- PROJECT COST: 46.0 M
- ARCHITECT: GOODY CLANCY
- CONTRACTOR: TBD
- CONSTRUCTION START, FINISH: TBD

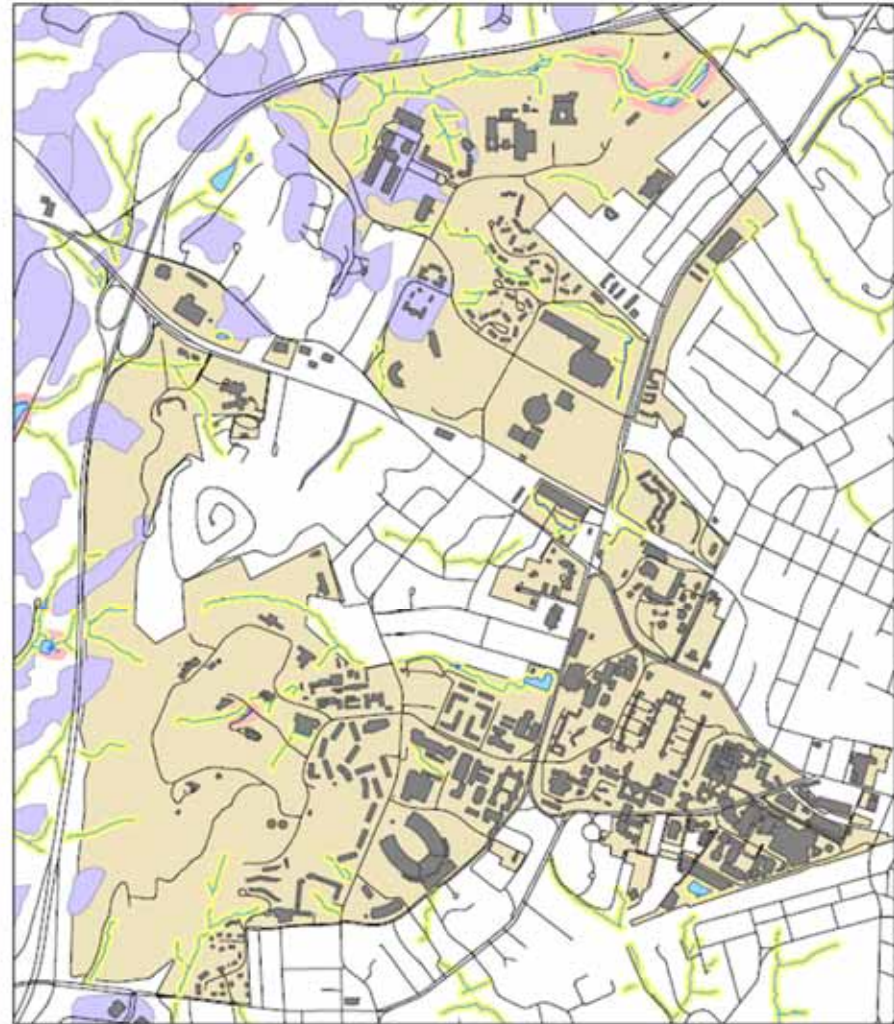


CURRENT PLANNING & PROJECTS REPORT

# Campus Credit Documentation

## Overall Site Selection Map

### SSc1: Site Selection



#### Legend

- |                           |                           |
|---------------------------|---------------------------|
| Streams                   | Prime Farmland            |
| Ponds                     | 100-Year Floodplain       |
| 50 Foot Water Body Buffer | Existing Campus Buildings |
| Wetlands                  | Road Centerlines          |
| 100 Foot Wetlands Buffer  | Campus Area               |

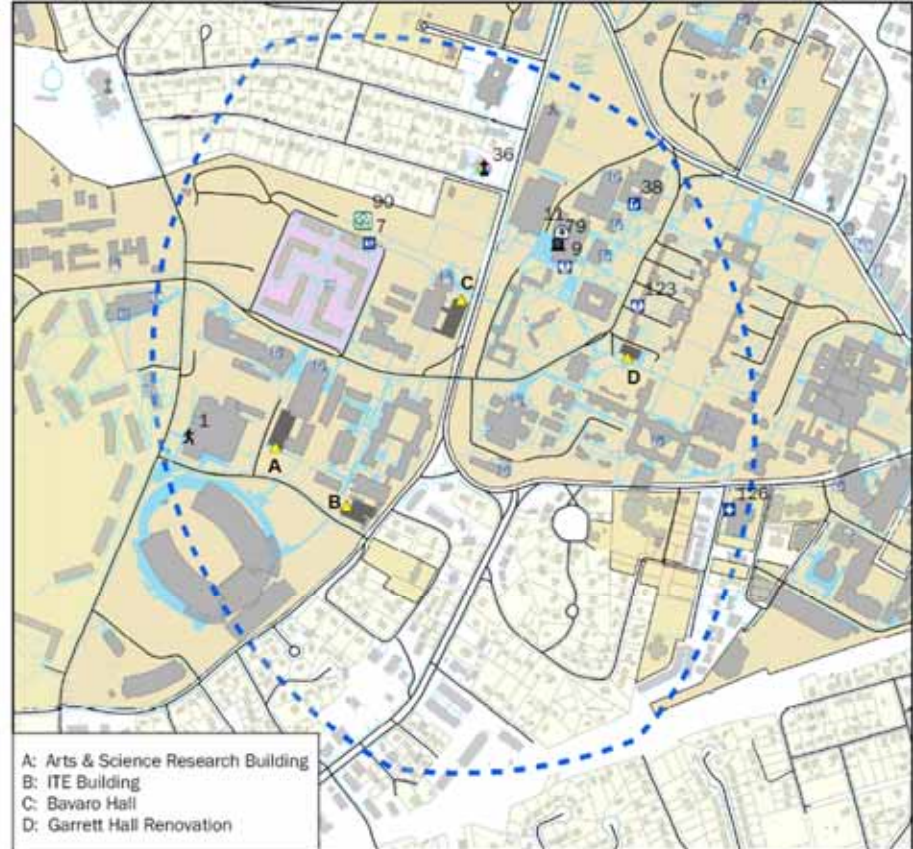
0 0.125 0.25 0.5 0.75 1 Miles



# Campus Credit Documentation

## Community Connectivity Grouped by Project Clusters

### SSc2: Community Connectivity



- A: Arts & Science Research Building
- B: ITE Building
- C: Bavaro Hall
- D: Garrett Hall Renovation

#### Legend

Project Footprints		Miles	
Main Project Entries	Community Centers		
Combined 1/2 Mile Buffers	Bank	Laundry	Post Office
McCormick Road Dorms	Beauty	Library	Restaurant
Residential Areas	Cleaners	Medical/Dental	School
Pedestrian Paths	Convenience Grocery	Museum	Senior Care
Existing Campus Buildings	Day Care	Park	Supermarket
Campus Area	Fire Station	Pharmacy	Theatre
	Fitness	Place of Worship	

Analysis made with assumptions based on LEED v2.2 Sustainable Sites Credit 2 Option 2. Each building was buffered and the intersection of those buffers became the aggregate area for community connectivity. Residential areas are shown in a transparent yellow, with a project that meets density requirements highlighted in purple.

# President's Committee on Sustainability

Promote the highest-standards of sustainable practice across the University

Review University's progress towards sustainability objectives

Provide guidance with the goal of increasing sustainable behavior

Review University's institutional plan to reduce CO2 emissions