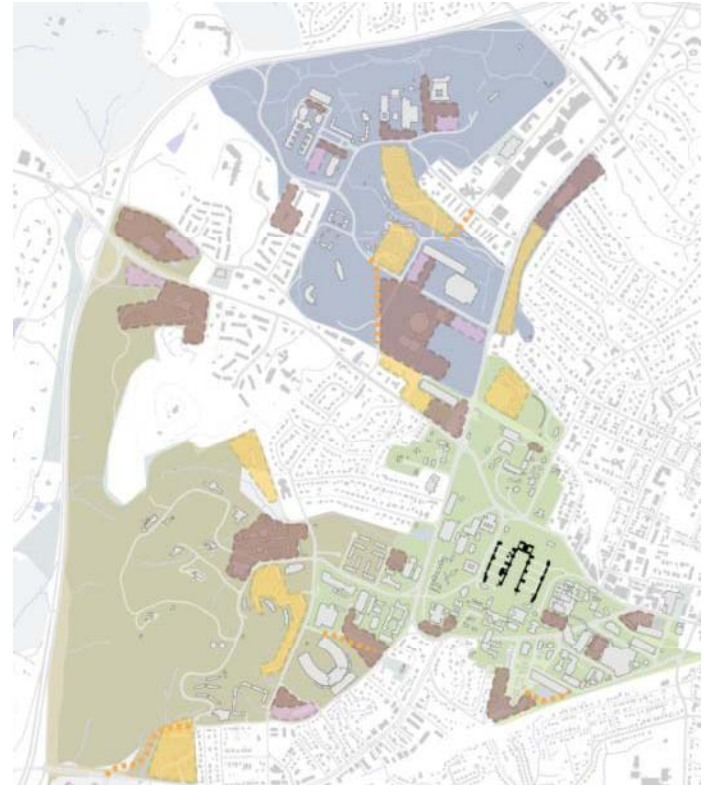


Central Grounds Update

November 11, 2010

Grounds Plan
Precinct Planning
Capital Projects
Infrastructure
Transportation Demand Management
Sustainability



Garrett Hall | Frank Batten School of Leadership and Public Policy

1. Complete renovation of Garrett Hall to provide faculty offices, staff offices, and lounge and meeting space for the Frank Batten School of Leadership and Public Policy
2. Significant renovation of the adjacent annex to provide the Batten School with administrative and student services offices, as well as additional lounge and meeting space

Summary of Proposed Changes

Garrett Hall | Batten School



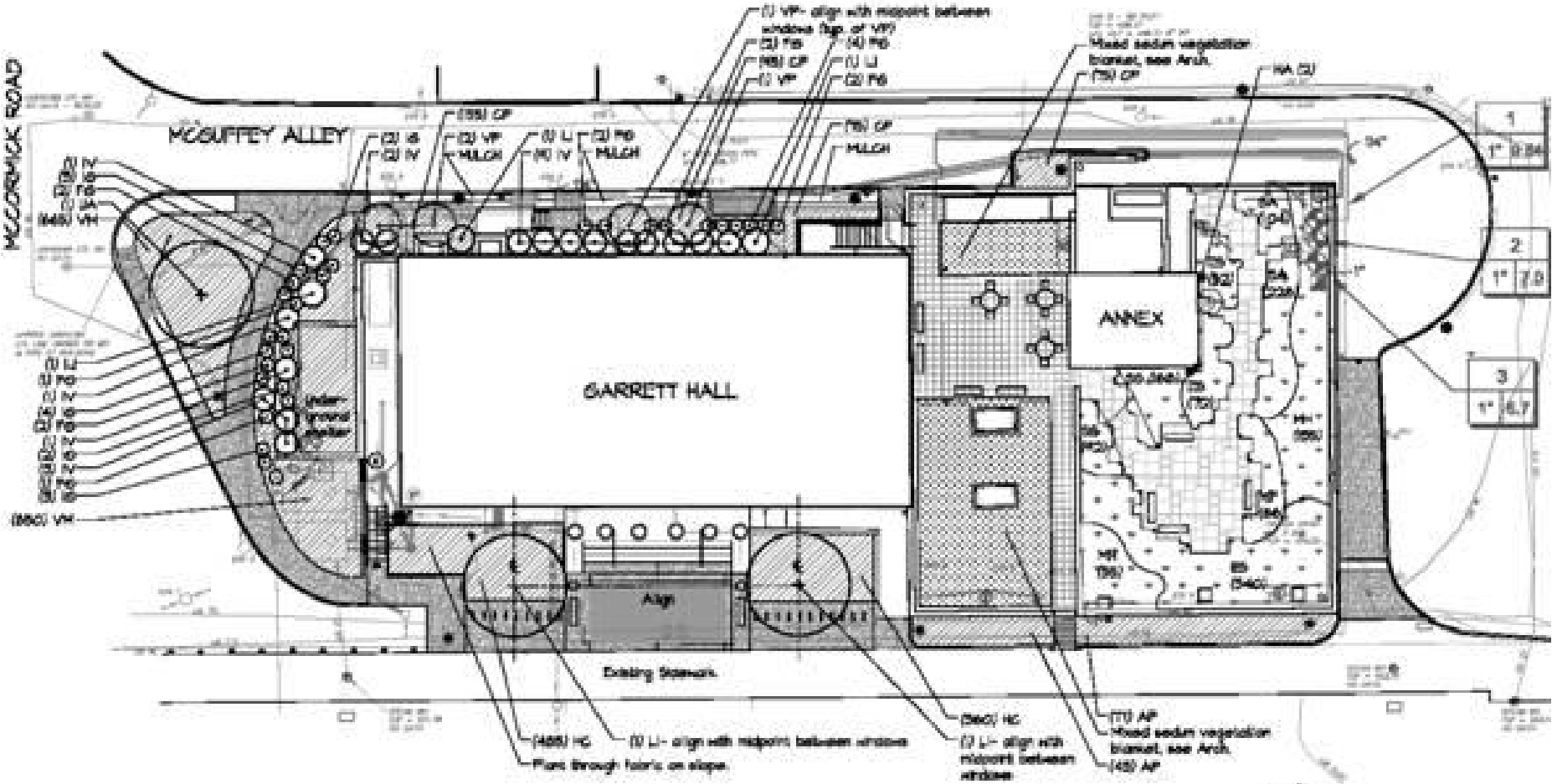
Proposed Building Site

Garrett Hall | Batten School



Building History

Garrett Hall | Batten School



Conceptual Site Plan

Garrett Hall | Batten School

Building renovation, green roof and reduced heat-island effect with landscaping

Transportation:

- Located on University and city bus loops
- No new parking; limited visitor parking
- Bike racks and shower facilities

Dining:

- Adjacent to dining in Hotel E (Garden Room, West Range Café)
- Within ¼ mile of dining in Newcomb Hall
- Within ½ mile of 10+ restaurants on the Corner

Recycling:

- Reuse of exterior building elements – windows, grills
- Reuse of interior materials – lighting, wood paneling, railings
- Construction waste management (90%+)
- Recycled content of new material (20%)
- Centralized recycling

Sustainability Initiatives

Garrett Hall | Batten School

Energy:

- Adoption of LEED enhanced commissioning procedures
- Improving energy performance by 14%
- Use of central plant utilities
- Use of awnings to reduce heat gain

Water:

- Seeking exemplary reduction (40%) in water use
- Use of non-potable cistern water for irrigating green roof



Sustainability Initiatives

Garrett Hall | Batten School



Sustainability Initiatives

Arts & Sciences Central Grounds Redevelopment & Renewal Priorities

Background:

Update on A&S Core Mission and
Growth Projections

Proposed Order of Work and Future
Program Assignments:

1. Renew Randall Hall
2. Renew Levering Hall / Hotel F
3. Renew New Cabell Hall
4. Renew Wilson Hall
5. *Construct New Music Building*
6. Renew Old Cabell Hall
7. Renew Brooks Hall



Renew Gilmer Hall

Renew Physics Building

Renew
Chemistry
Building

A&S
Science
Research
Building

Future
Additional A&S
Science
Research
Facility

- Project Goals
- House Language departments and the Dean of Arts and Sciences
- Improve public spaces
- Provide opportunities for community and place making
- Improve the quality of finishes to be more consistent with rest of the campus
- Activate the courtyard with landscape improvements
- Update Mechanical systems
- Sustainable design and LEED certification

September 9, 2009
NEW CABELL HALL RENOVATION • UNIVERSITY OF VIRGINIA





September 9, 2009
NEW CABELL HALL RENOVATION • UNIVERSITY OF VIRGINIA

ARCHITECTURE
PLANNING
PRESERVATION
**GOODY
CLANCY**



September 9, 2009
NEW CABELL HALL RENOVATION • UNIVERSITY OF VIRGINIA

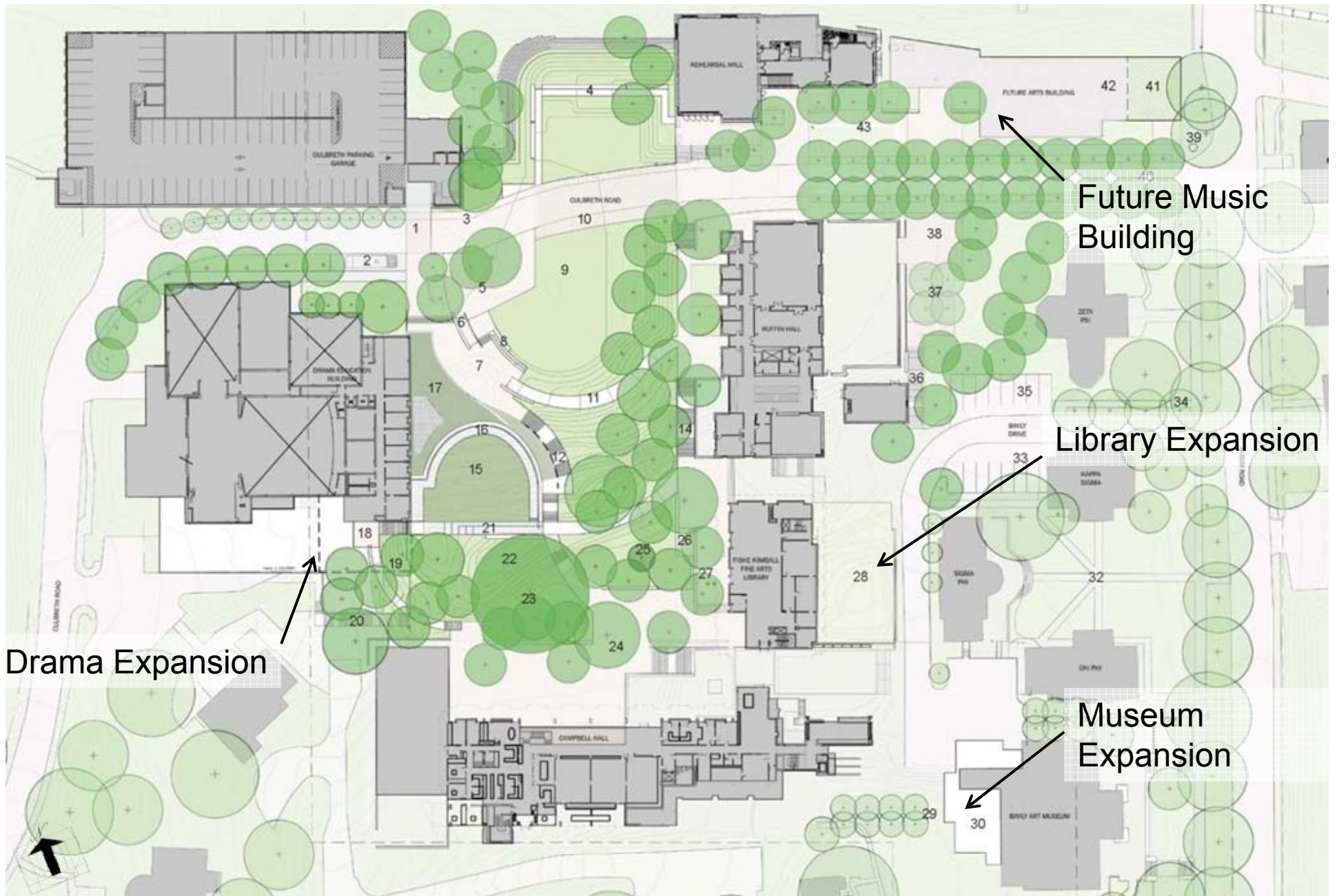
ARCHITECTURE
PLANNING
PRESERVATION
**GOODY
CLANCY** 39



Arts Grounds Master Plan: 2005

Rationale for 2010 Plan Update

- Enhanced spirit of collaboration among the Arts
- Revised series of facility projects
 - Rehearsal Hall
 - Thrust Theatre
 - Museum Expansion
 - Library Expansion
 - Drama Addition
 - Music Building
- Potential for expanded Arts outdoor activities



Future Development



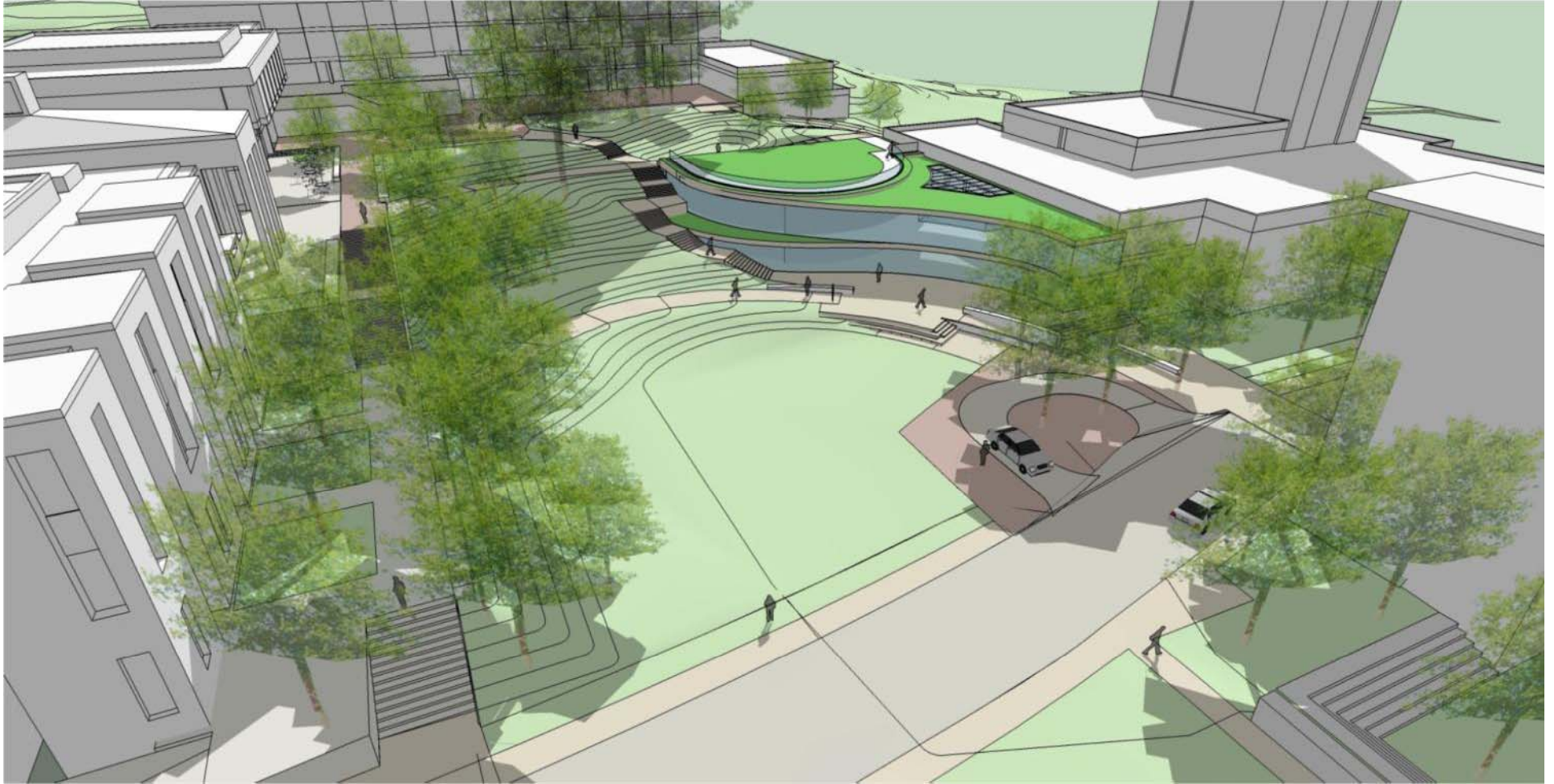
Current Development: Rehearsal Hall



Current Development: Rehearsal Hall



Current Development: Thrust Theatre Site



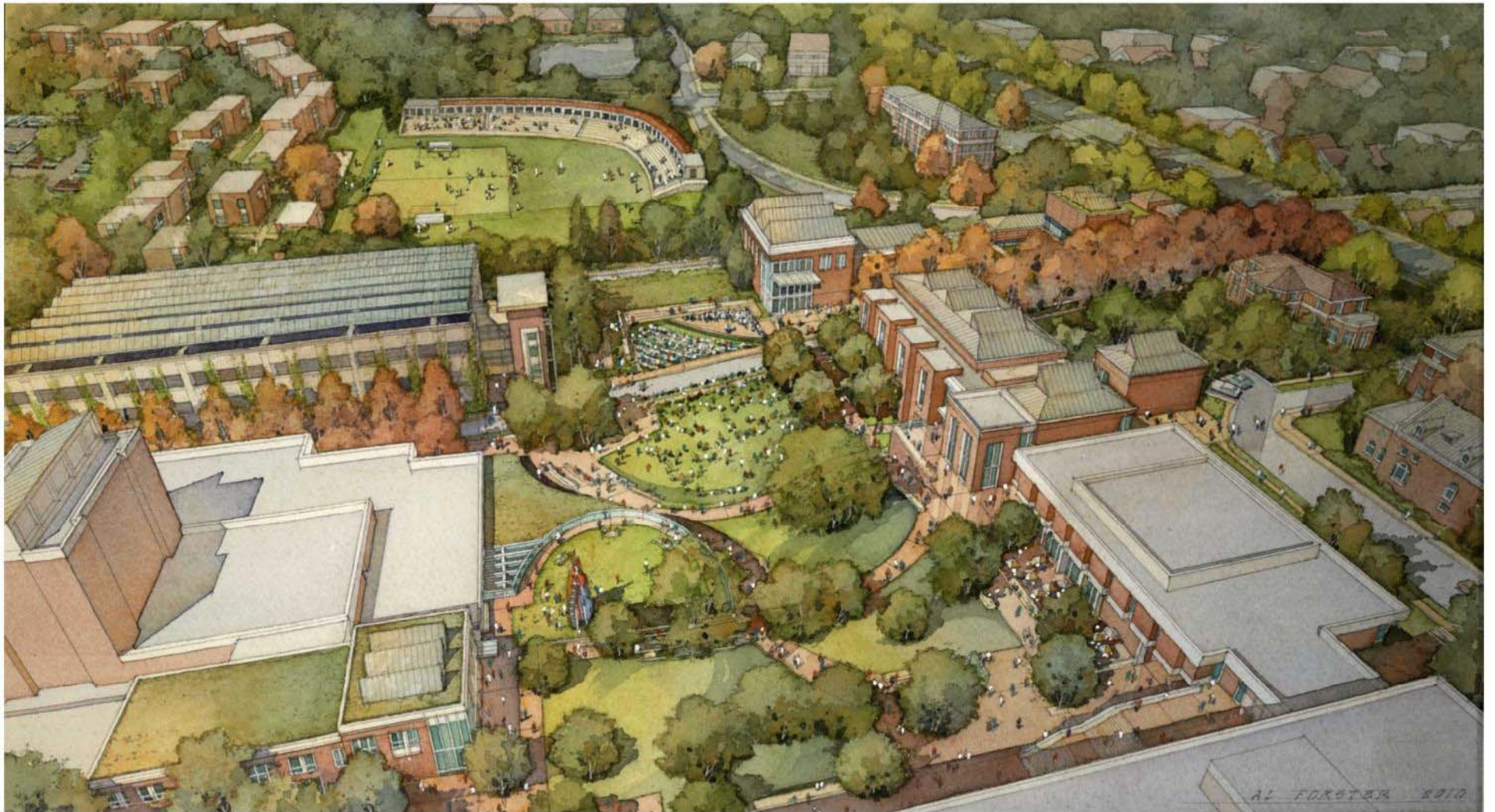
Current Development: Thrust Theatre and Arts Commons



Current Development: Thrust Theatre

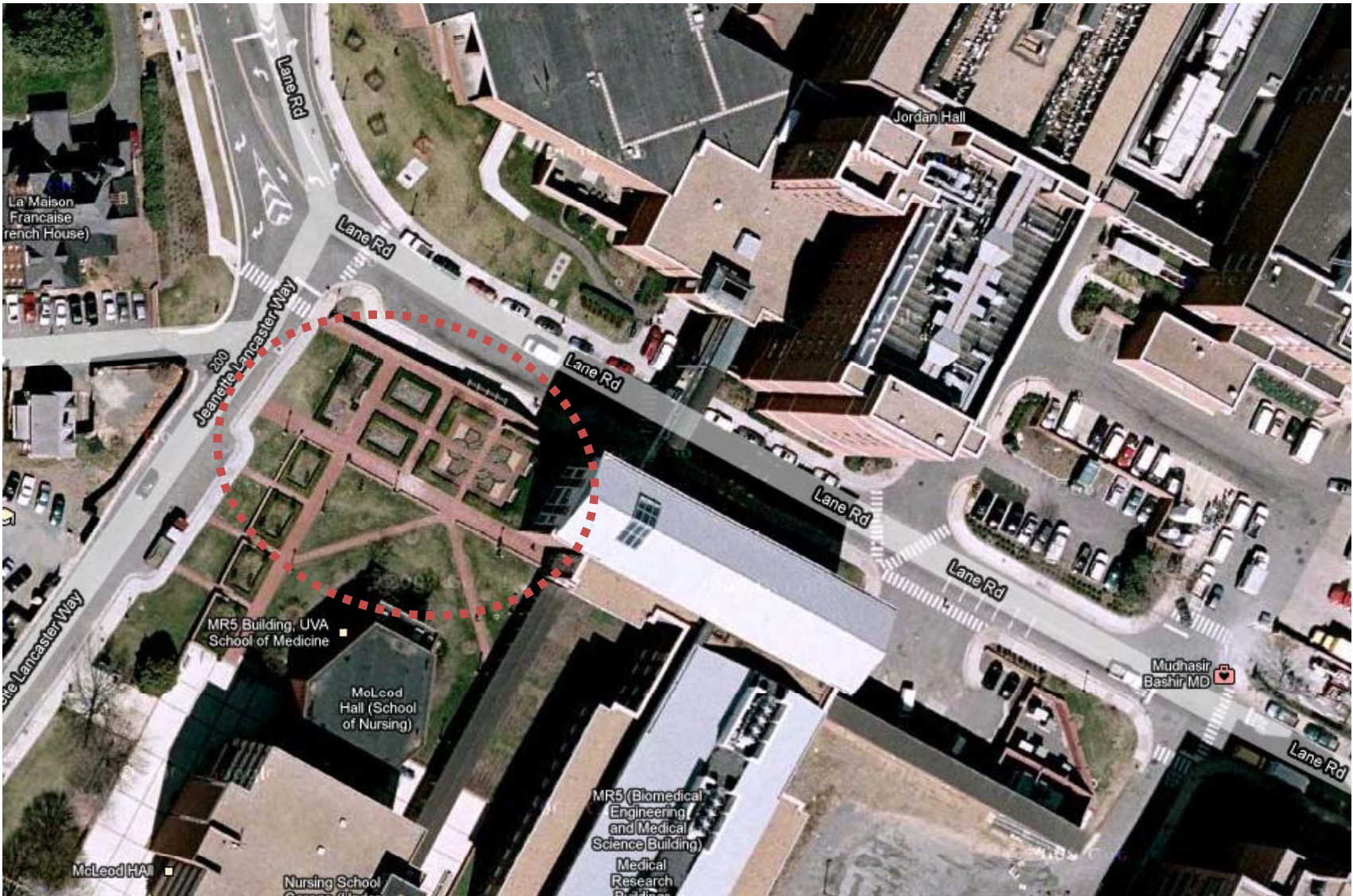


Current Development: Thrust Theatre



Casteen Arts Grounds - 2010

Claude Moore Medical Education Building



Building Site

Claude Moore Medical Education Building

Design By:
CO Architects

GSF: 58,500

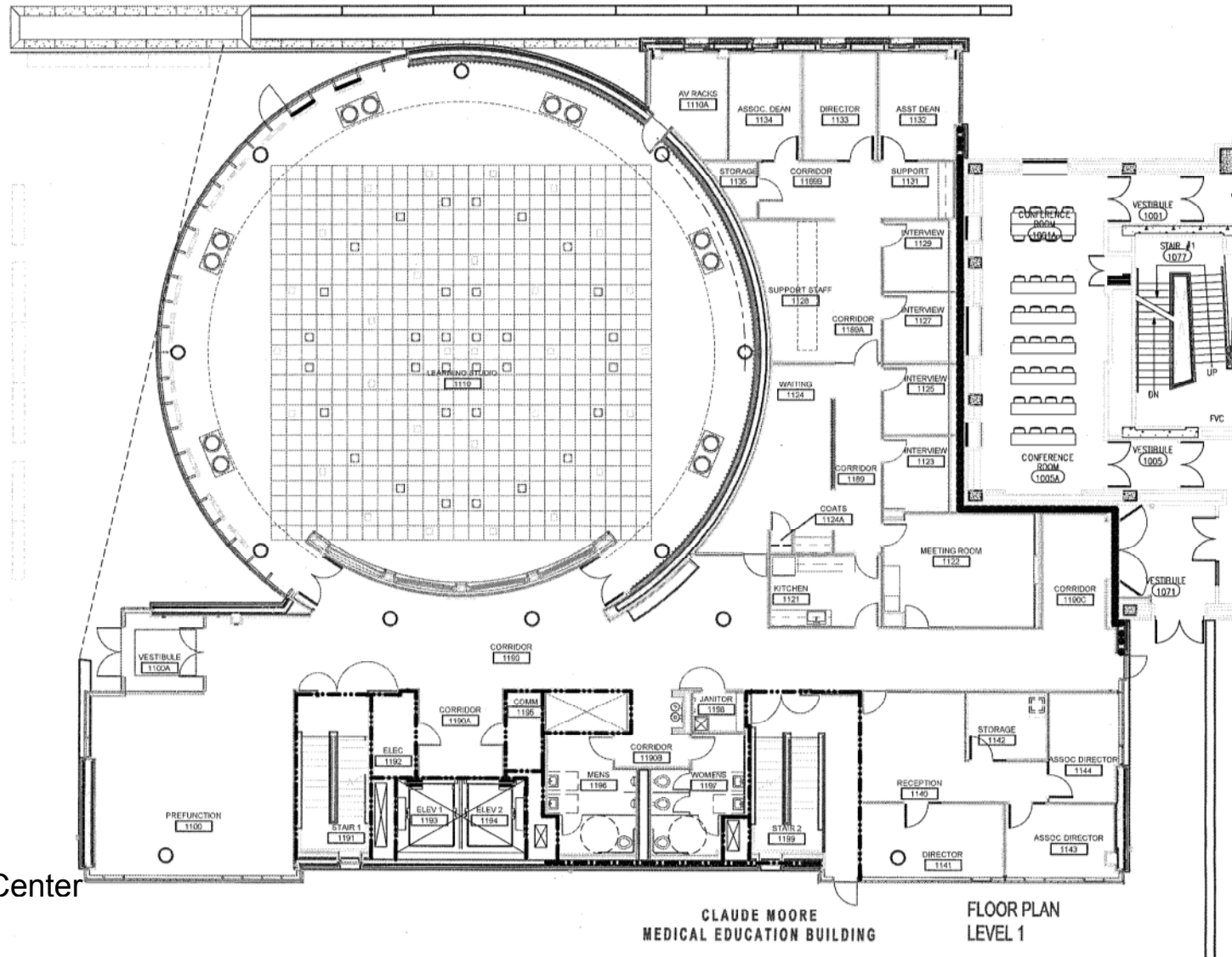
Level 3:
Lecture Hall,
Admin Offices

Level 2:
Student Lounge
Terrace
Academic Support
Offices

Level 1:
Main Entrance
Learning Studio
Admin Offices

Ground Level:
Medical Simulation Center

Basement Level:
Clinical Skills Center



First Floor Plan

Claude Moore Medical Education Building



Front Entrance

Claude Moore Medical Education Building



Learning Studio

Claude Moore Medical Education Building

Energy Efficient HVAC Systems

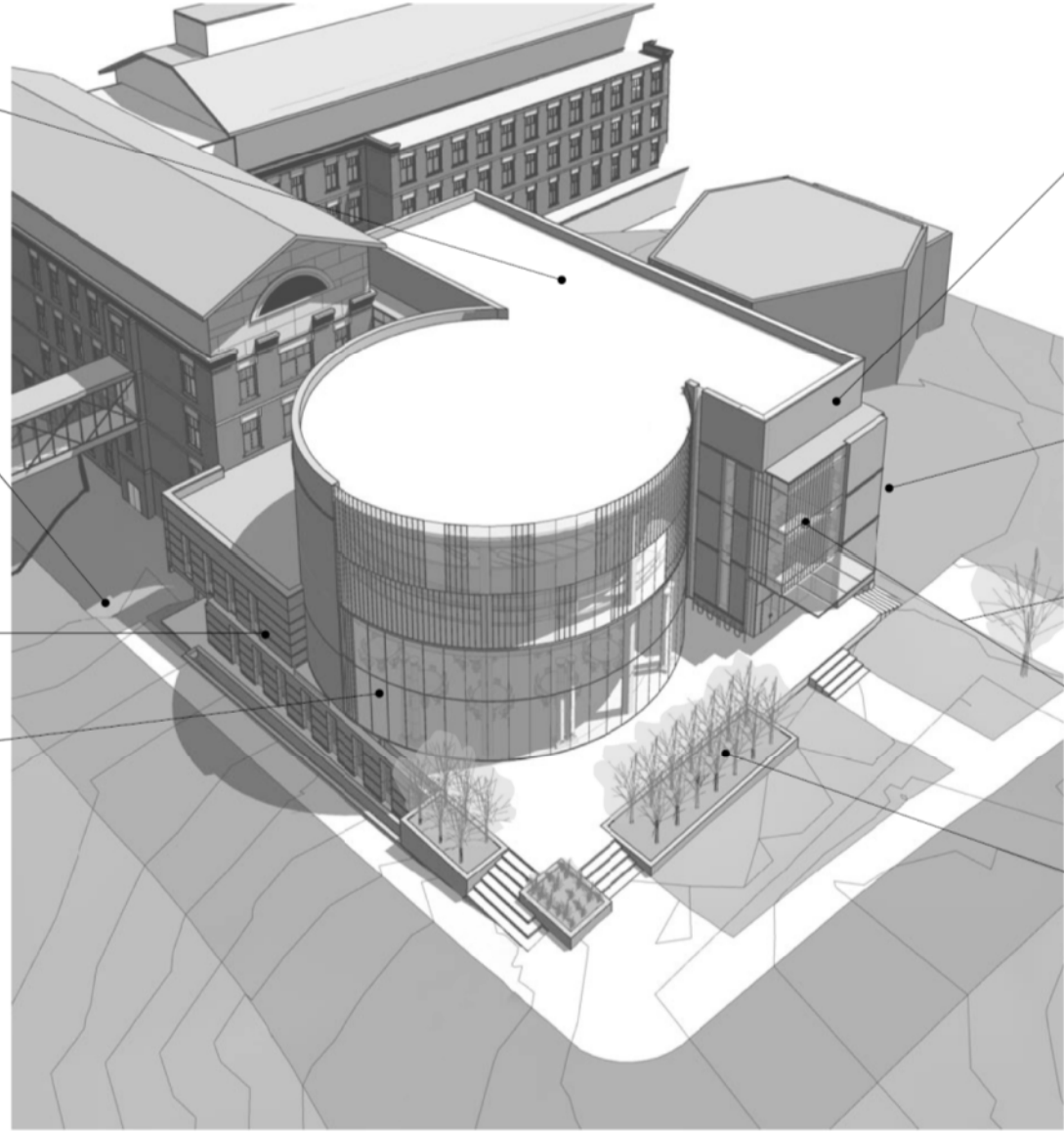
Recycled Content in Building Materials

Building Located Close to Campus Busline and Public Transportation

Energy Efficient Building Envelope

Low VOC Paints to Improve Indoor Air Quality

Stormwater Reduction Strategies to Decrease Runoff



Use of Regional Building Materials

Water Use Reduction Strategies

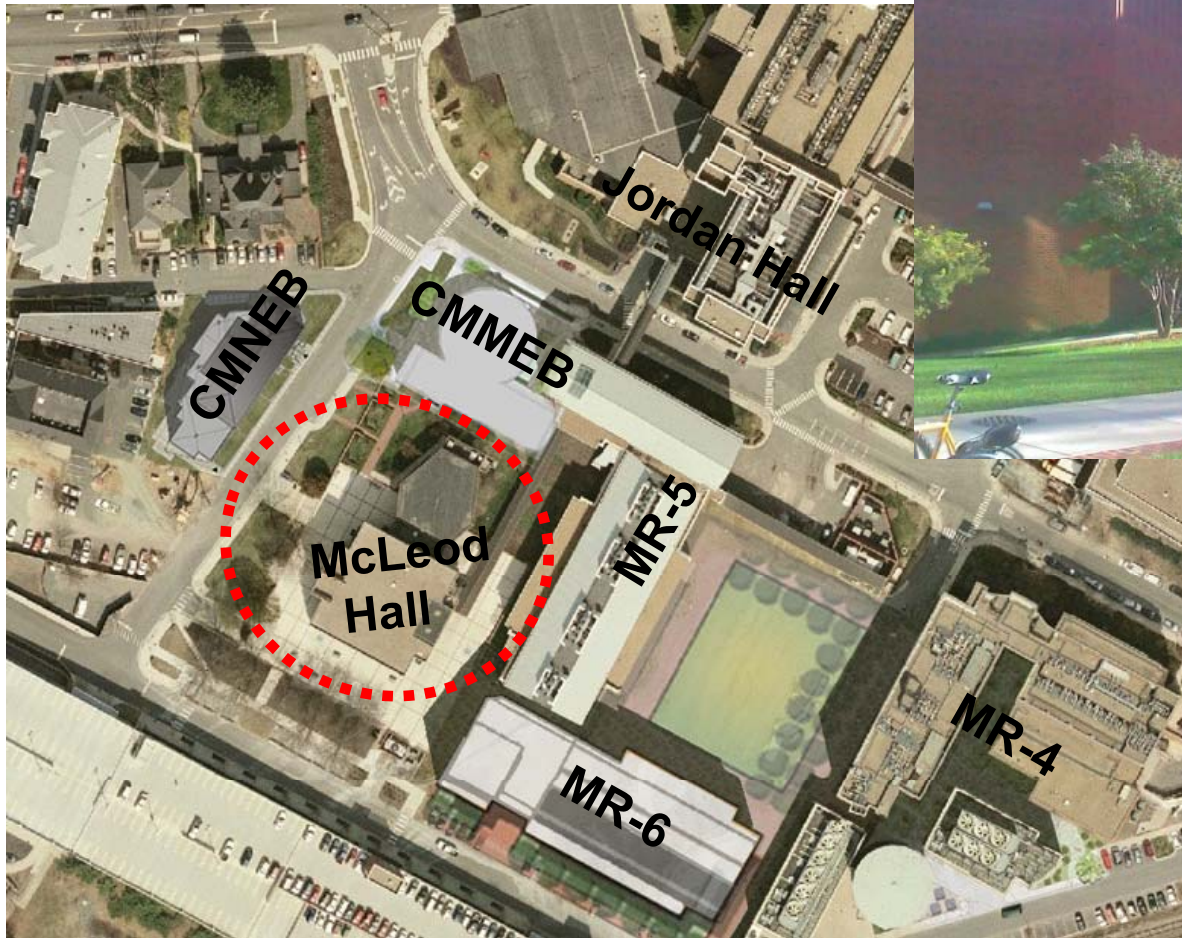
Bike Racks Provided

Daylight and Views at Offices

Insulated Low-E Glazing to Control Solar Heat Gain

Native Plants for Water Efficient Landscaping

McLeod Hall Renovation



Overview of McLeod Hall Renovation Project

\$14.8 million Board of Visitors authorization

\$7.5 million funding in hand

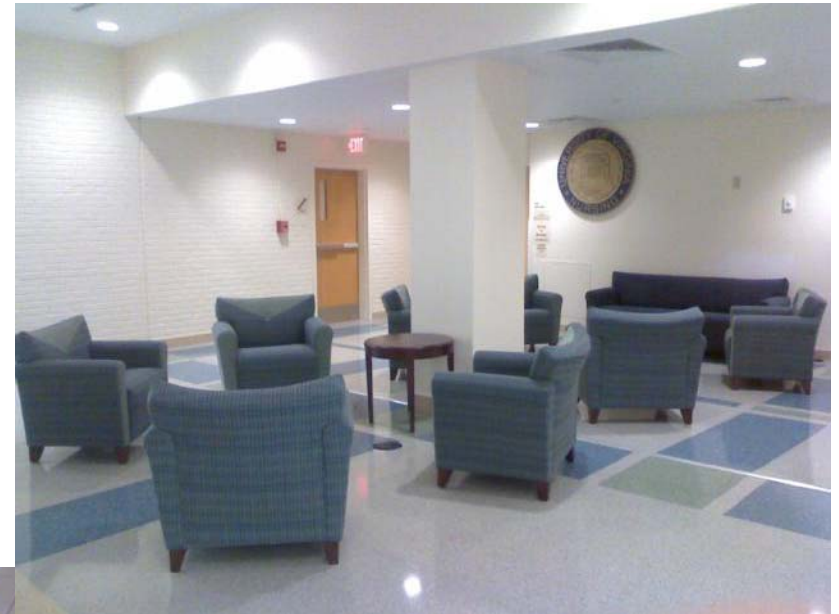
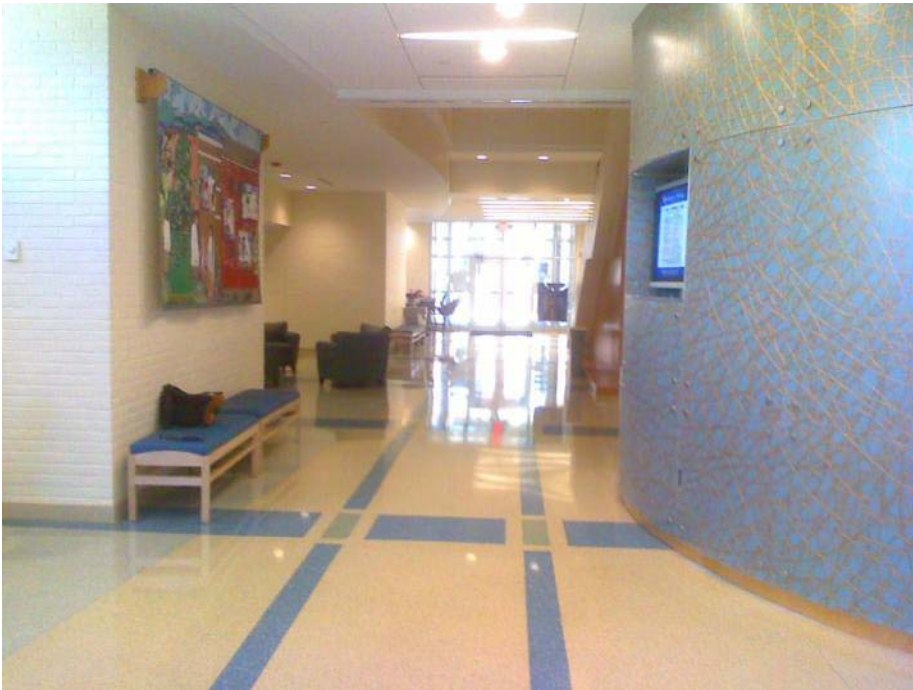
Phase 1

- \$6.8 million total cost
- 1st, 4th, 5th floors
- Commenced August 2009
- 1st floor completed August 2010
- 4th floor in progress, completion date January 2011
- 5th floor completion date August 2011

Phase 2

- \$8.0 million total cost
- 2nd, 3rd floors
- Commencement date dependent on funding

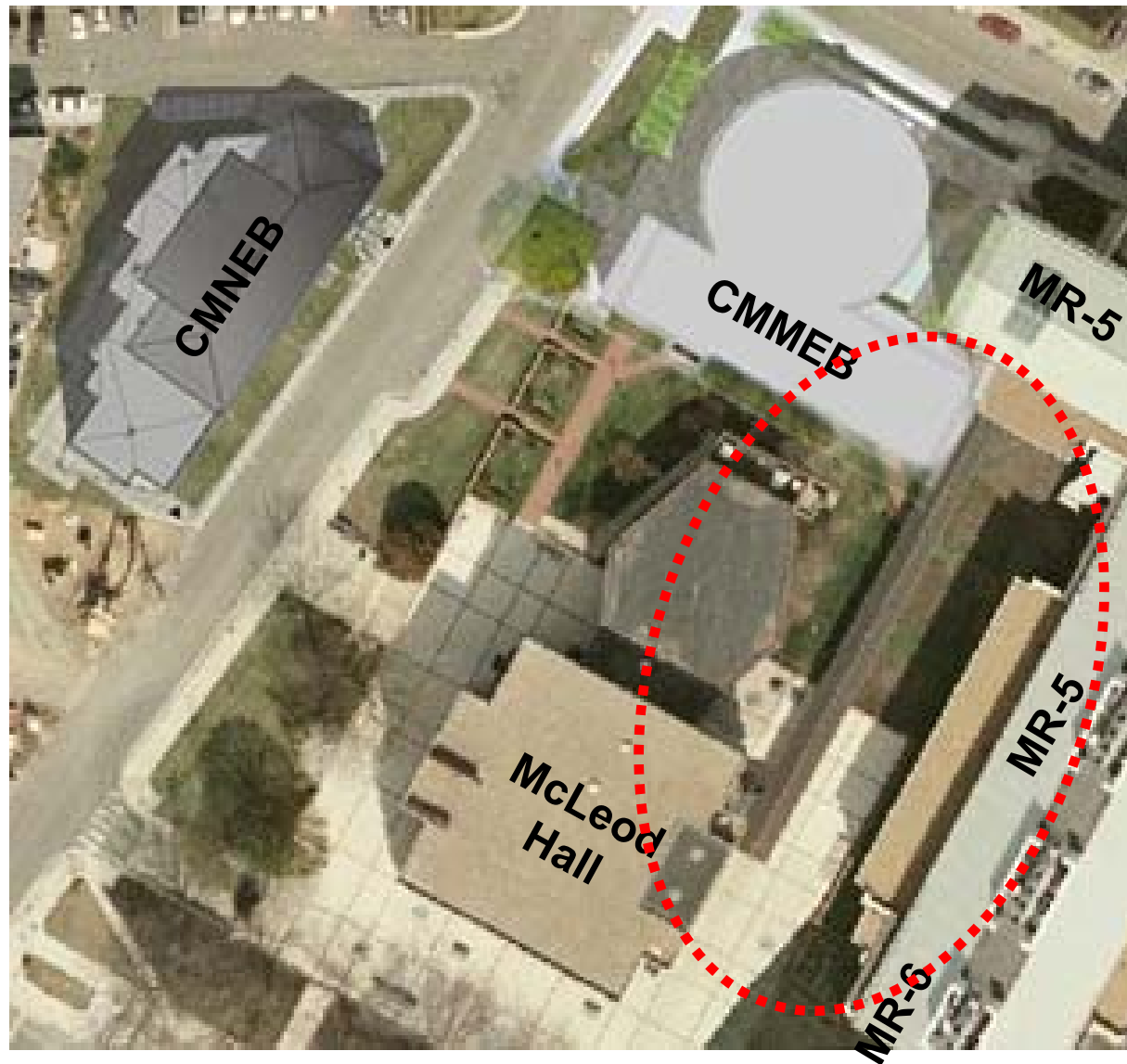
McLeod Hall – 1st Floor Renovations Complete



McLeod Hall – 4th Floor Renovations in Progress



School of Nursing Grounds Improvement Project



School of Nursing and School of Medicine Grounds Improvement Project



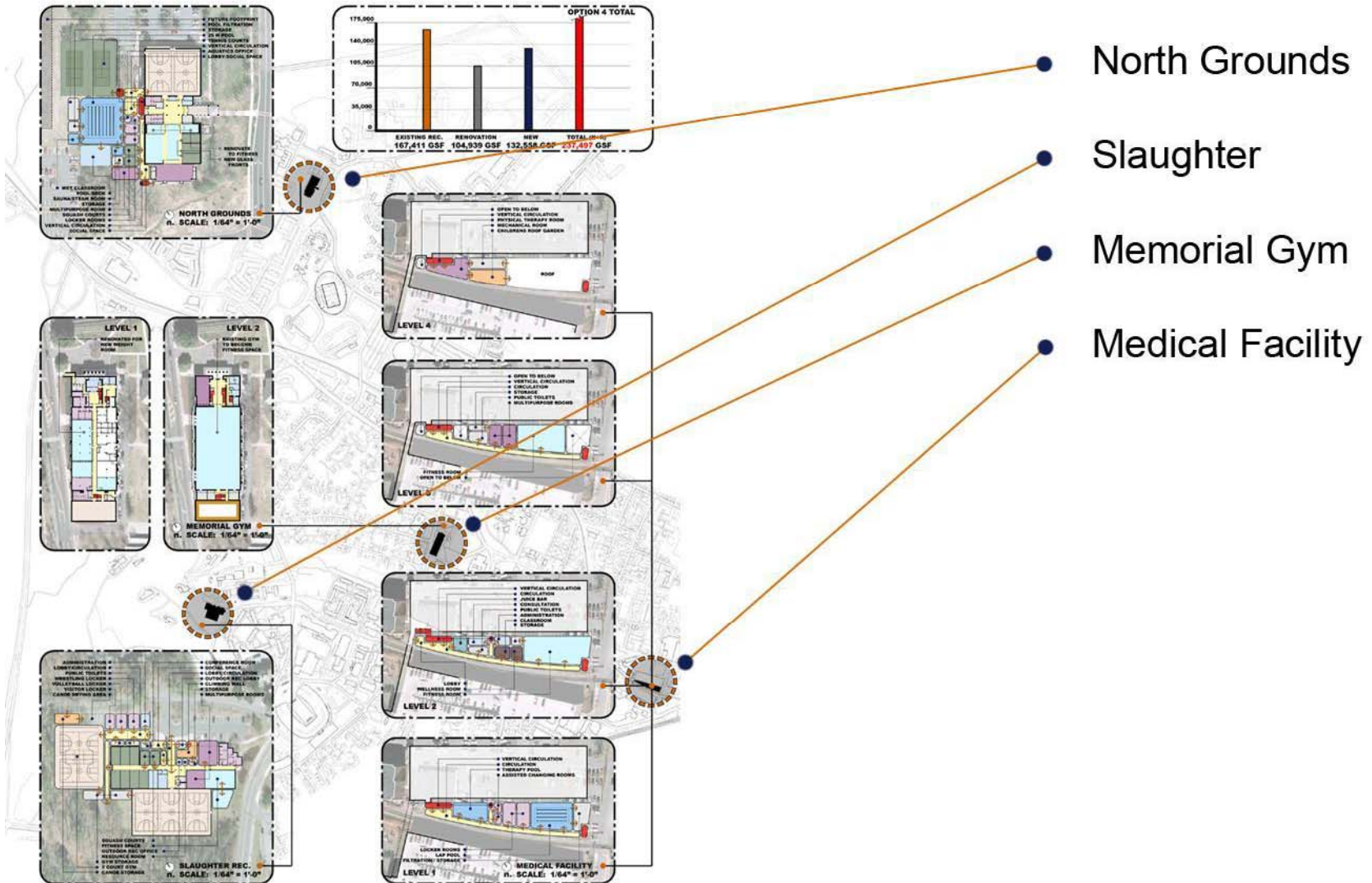
Rear Exterior of McLeod Hall GIF funding \$35,000
*Enhancements to improve space utilization,
upgrade furnishings, plantings and a green roof*

McLeod Hall

Sustainability Initiatives

1. Pursuing LEED-CI certification
2. Low VOC (Volatile Organic Compound) materials used throughout the project
3. Recycled content for flooring, wood panels, sheet rock, metal, steel
4. Recycled demolition debris on materials from project
5. Motion sensor lights throughout for energy conservation
6. Natural light throughout the building to reduce use of artificial lights
7. Automatic water sensors for restroom sinks
8. Waterless urinals in men's restrooms

Recreation Improvements: Overall Grounds Plan



North Grounds

Slaughter

Memorial Gym

Medical Facility

Selected Option

North Grounds Recreation Center – add new aquatic facility, multipurpose room and squash courts, renovate existing racquetball courts, 2 tennis courts

Slaughter Recreation Center – add new 2 court multipurpose athletic court space, increase fitness space, renovate existing racquetball and squash court space and relocate outdoor recreation programs to this location

Memorial Gymnasium – repurpose existing gymnasium into a new fitness, strength and conditioning space

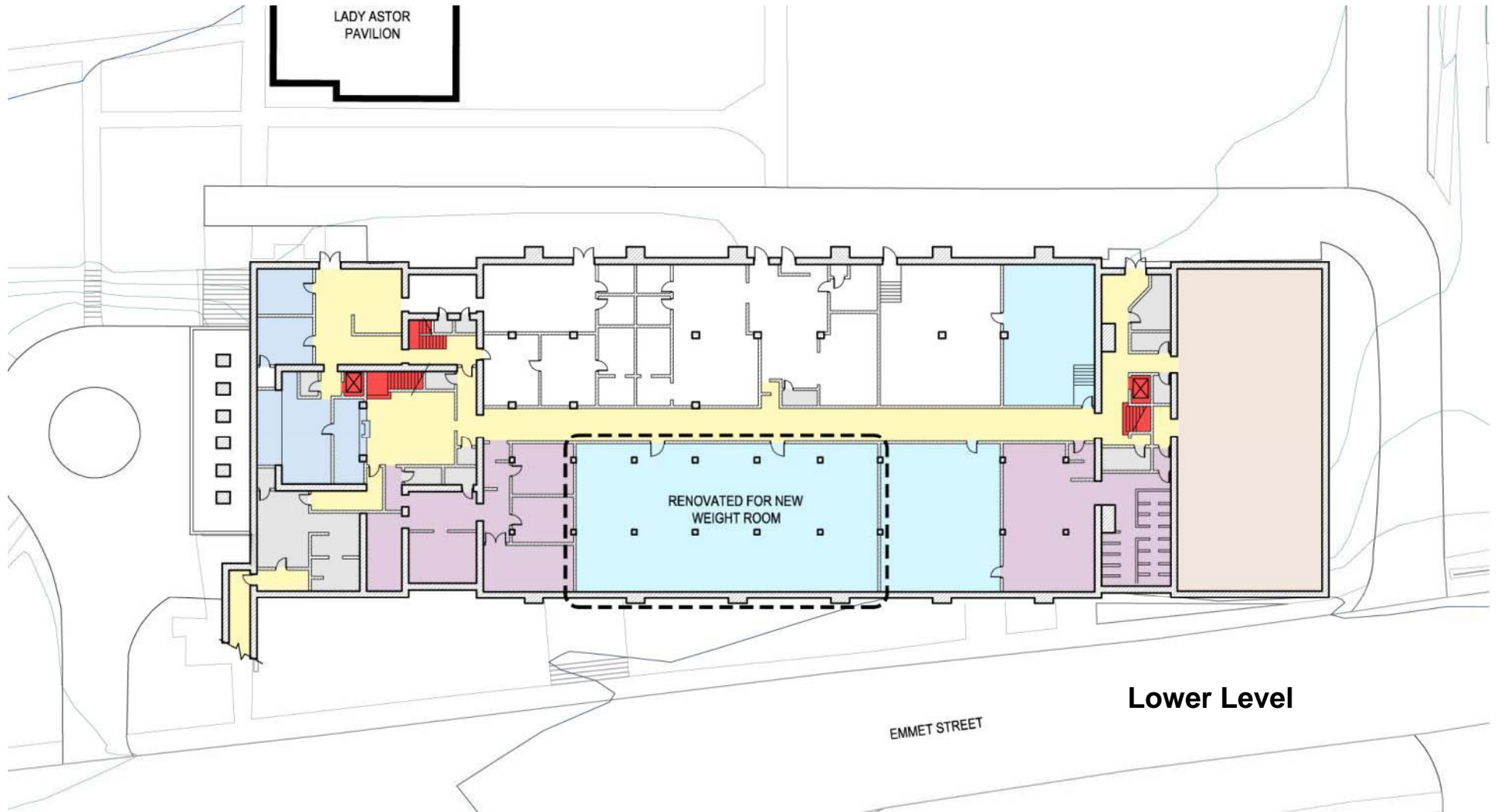
Aquatics and Fitness Center – no changes

University Hospital Facility – create new facility

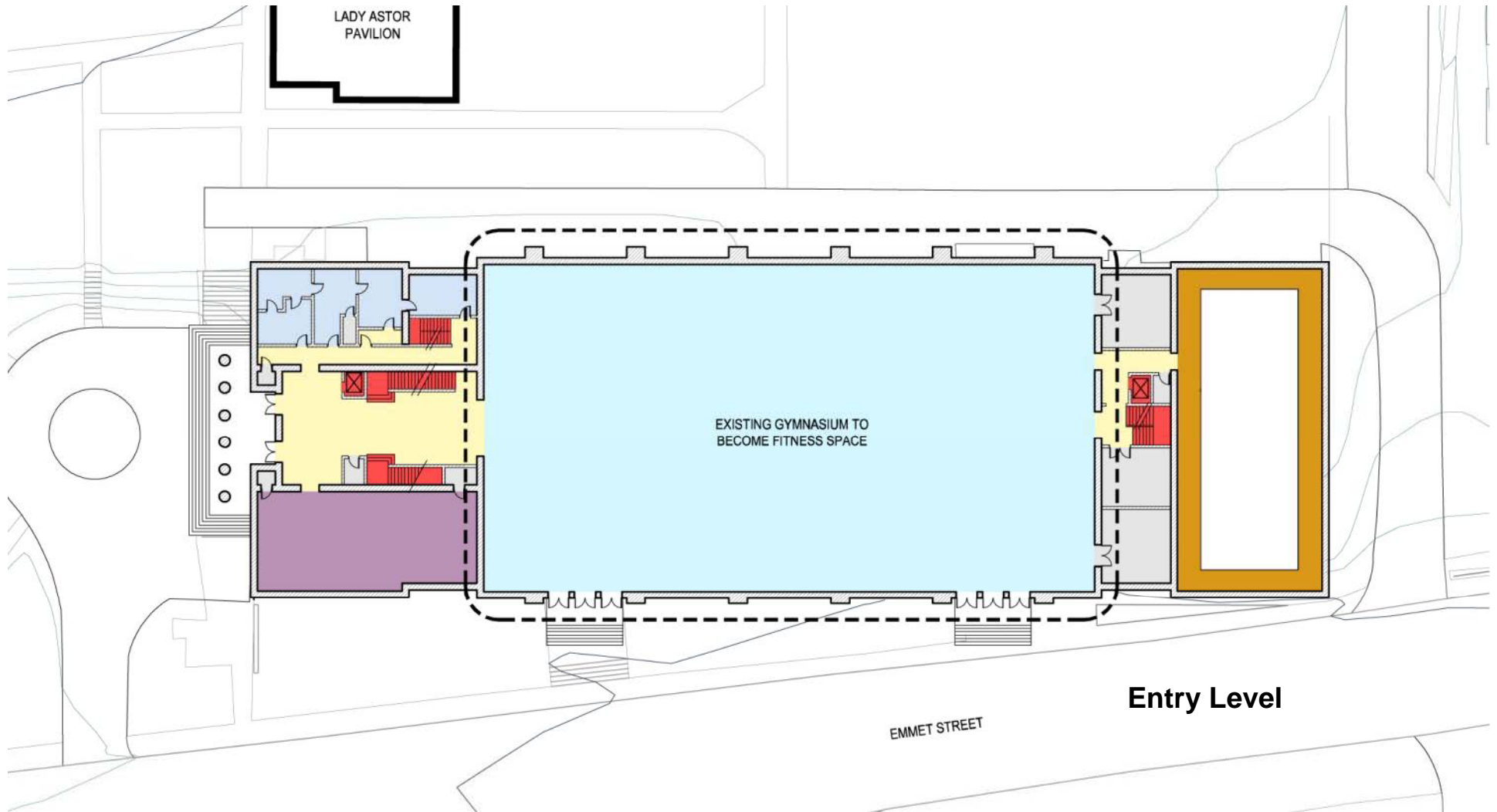
Summary of Demand and Gaps

- **Weight & Fitness:** Unmet demand for weight & fitness proximate to reliable parking
- **Aquatics:** Confirmed conflict of demand for aquatics during intercollegiate swimming & diving time slot
- **Multi-Purpose:** Demand for multipurpose rooms within large, full service centers
- **Gym:** Demand for gymnasias driven by intramurals and club sport teams programming and scheduling
- **Racquetball:** Racquetball demand aligns with current courts
- **Squash:** Squash demand hindered by existing dimensions

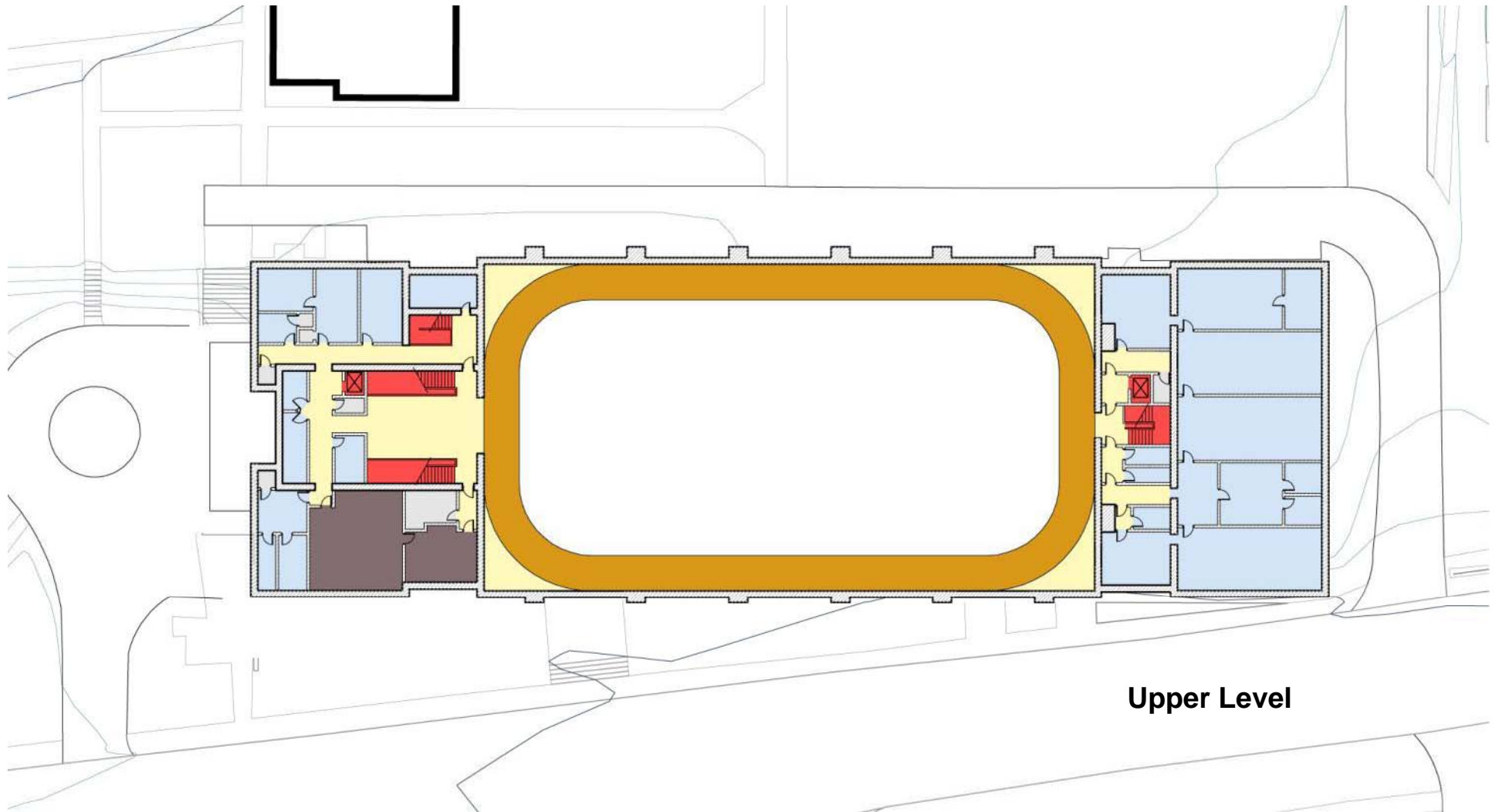
Memorial Gym Floor Plans



Memorial Gym Floor Plans



Memorial Gym Floor Plans

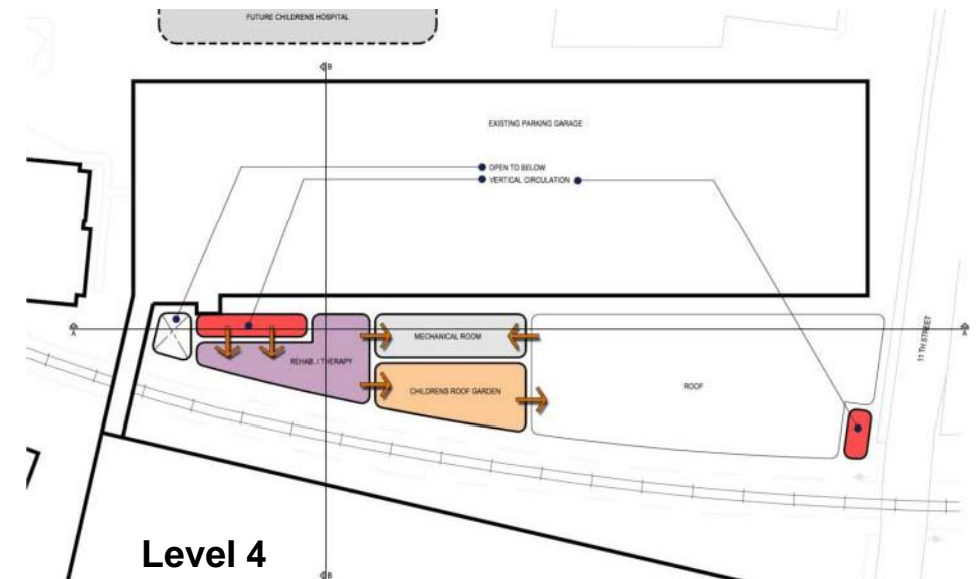
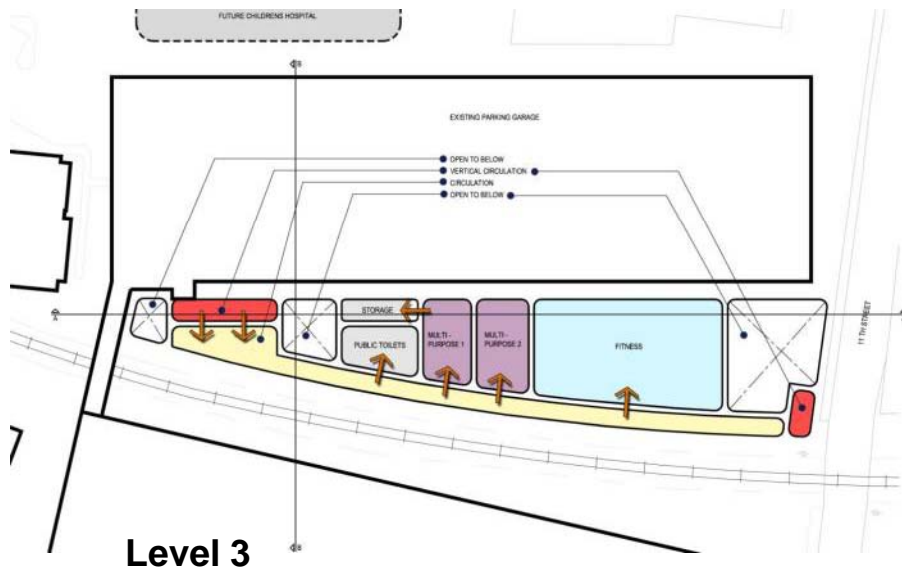
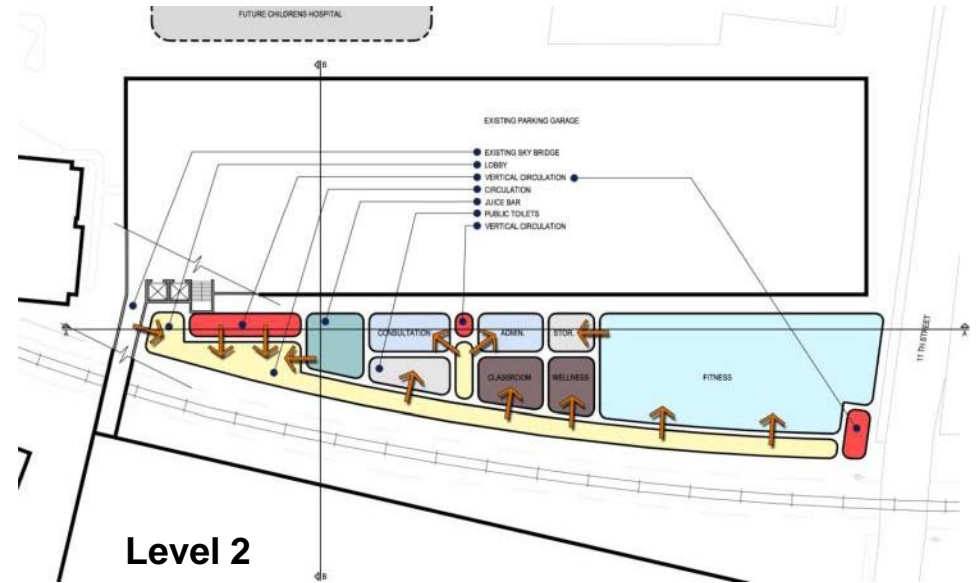
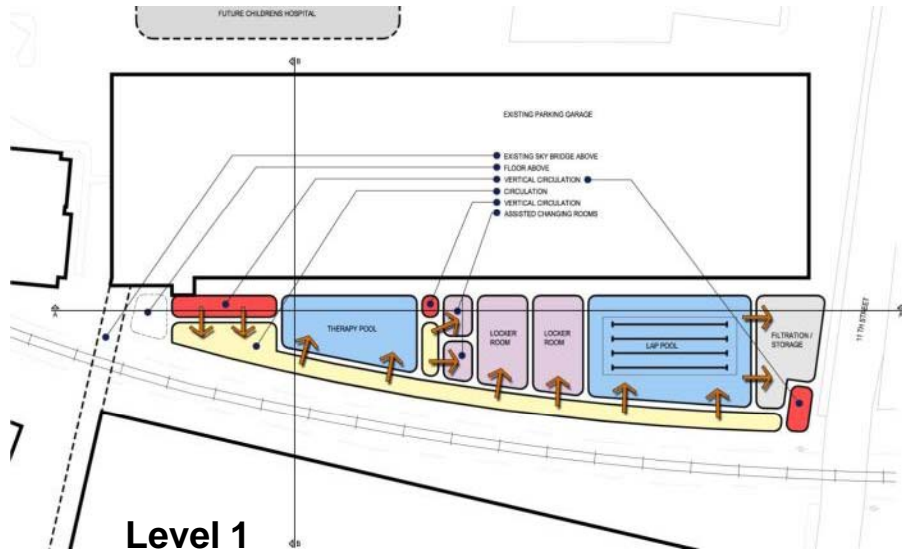


Upper Level

Repurposing Gymnasium Space into Fitness Area

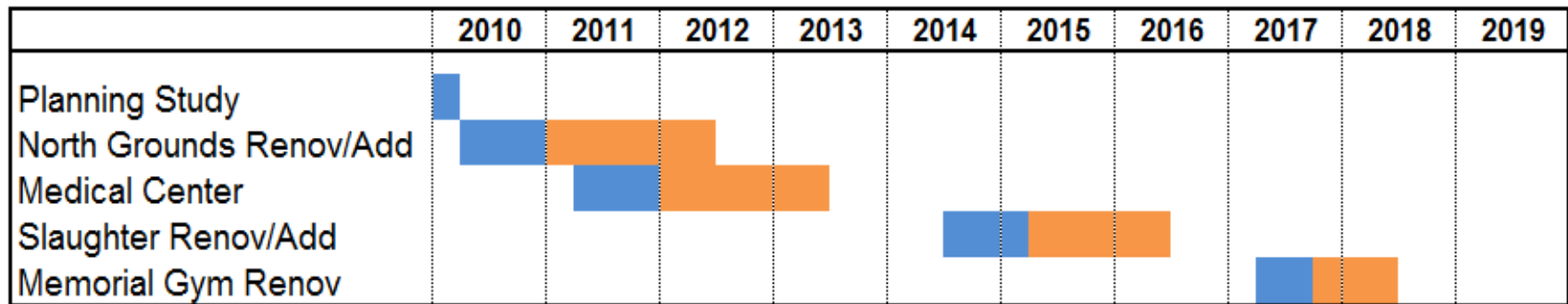


Medical Facility Floor Plans



Proposed Timeline

■ Planning and Design
 ■ Construction



Business Operations Capital Projects

Newcomb Hall Renovation and Expansion



Current:

- Last renovated 1998
- Board dining - 900 seats
- Retail space – 300 seats
- Convenience store
- Catering

Expansion & Renovation:

- Completion in fall 2012
- Board dining – 1200 seats
- Retail restaurant – 30 seats plus outdoor seating
- Retail space – 450 seats
- Convenience store
- Catering



Newcomb Hall Renovation and Expansion



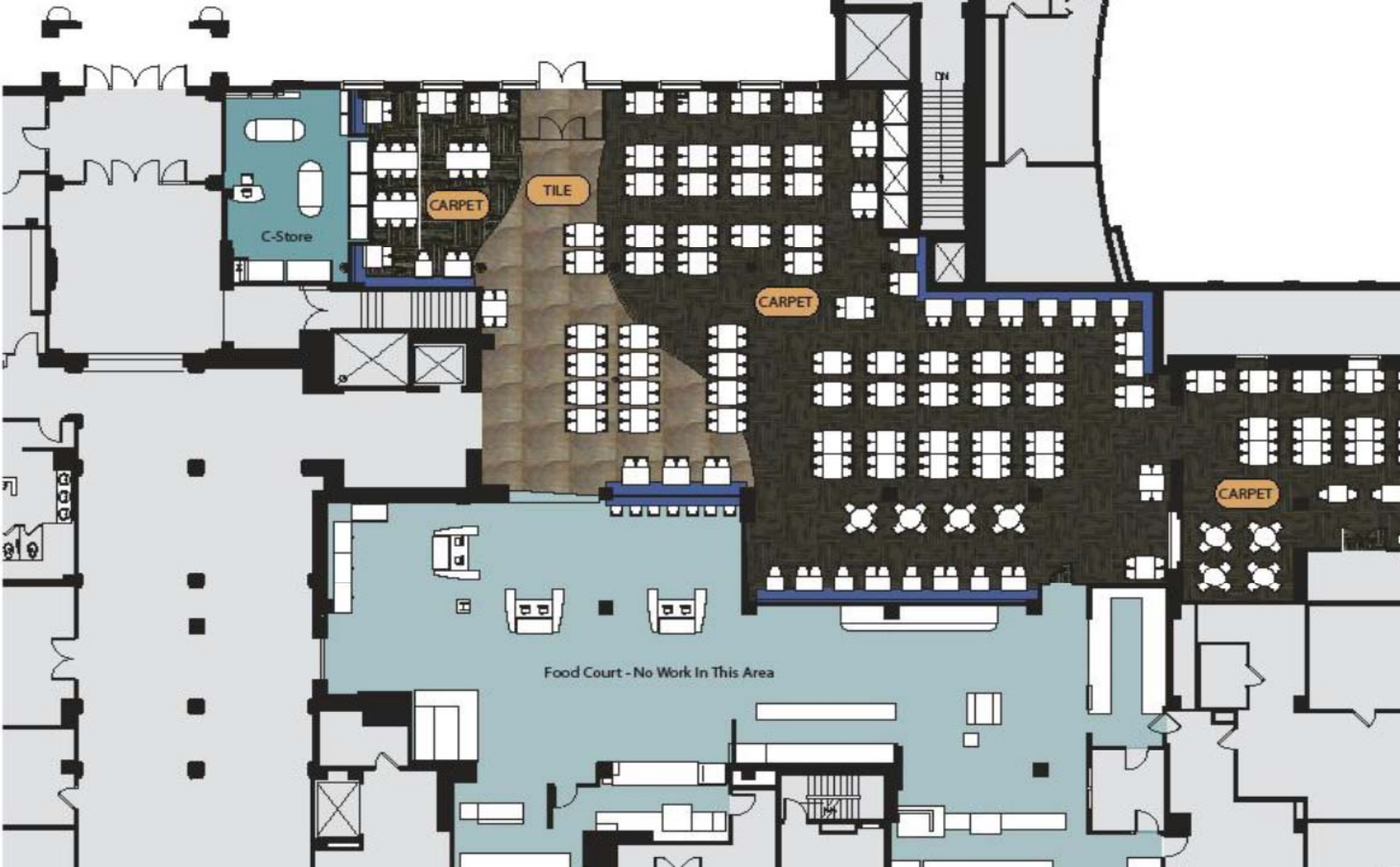
Newcomb Hall Renovation and Expansion

Board Dining, 2nd Floor



Newcomb Hall Renovation and Expansion

PAV XI Dining, 1st Floor



Business Operations Capital Projects

Bookstore Expansion



Progress of Construction

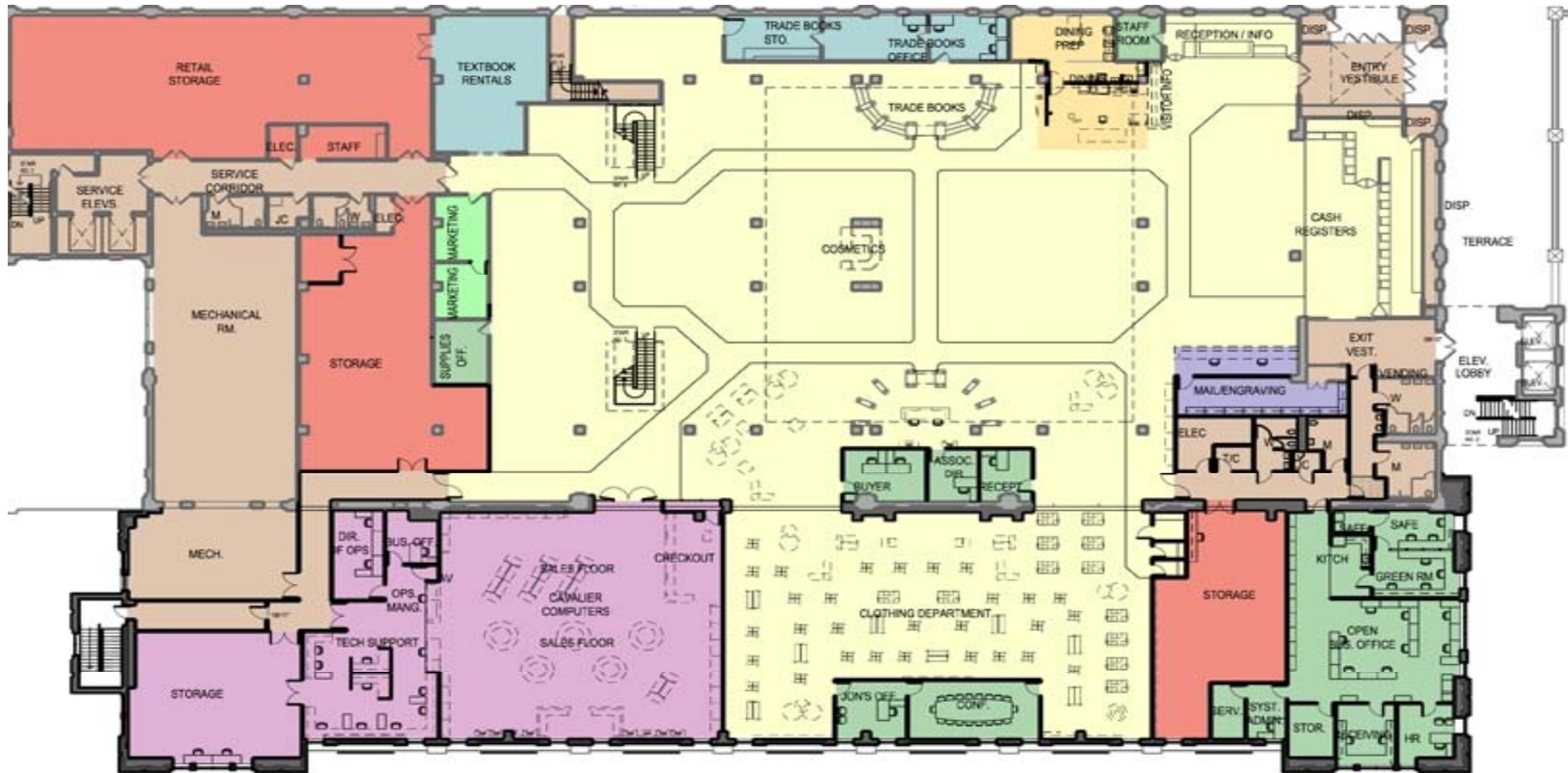
**Estimated completion
Fall 2011**

Adds 16,200 sq. ft.

**Total of 59,200 sq. ft.
after completion**



Bookstore Expansion Floor Plan



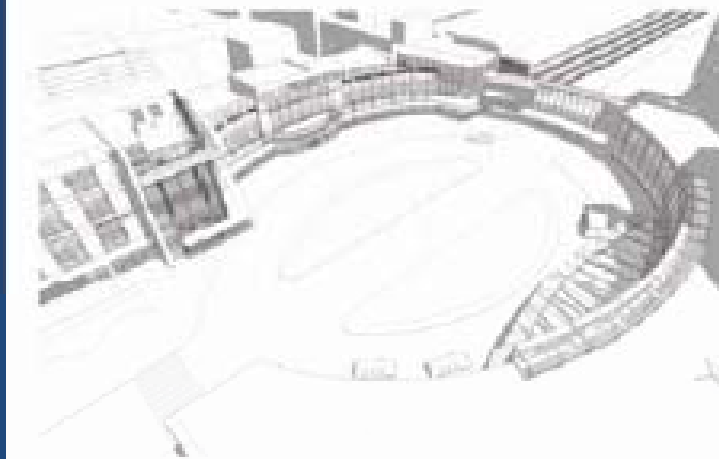
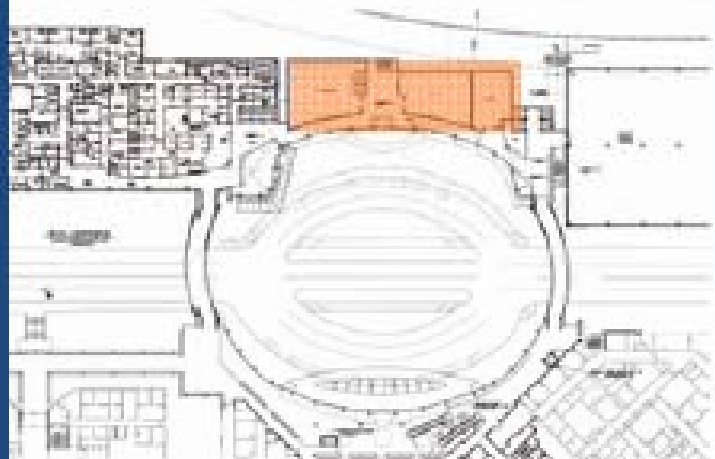
- | | |
|--|---|
| OFFICES/ADMIN | STORAGE |
| CAVALIER COMPUTERS | CIRCULATION/SUPPORT SPACES |
| DINING | TEXTBOOK SERVICES |
| MAIL/DEPT. SERVICES/ENGRAVING | TRADE BOOKS |
| MARKETING | |
| SALES FLOOR | |

Update on Health System Projects



HSAP Redevelopment Opportunities

Update on Health System Projects



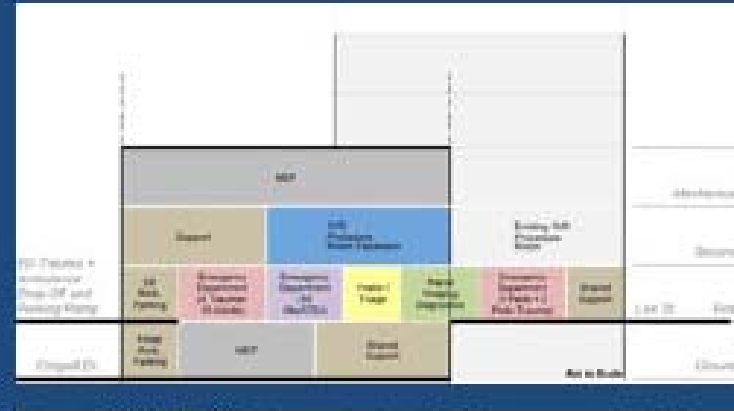
Size: 30,000 gsf – 2 floors above with partial basement

Program: Multi-purpose education space, pharmacy, 150-seat auditorium, pre-function space, green roof garden and basement for mechanical and shell, potential outpatient imaging

Construction Cost: Approx. \$19m

Educational Resources Center

Update on Health System Projects

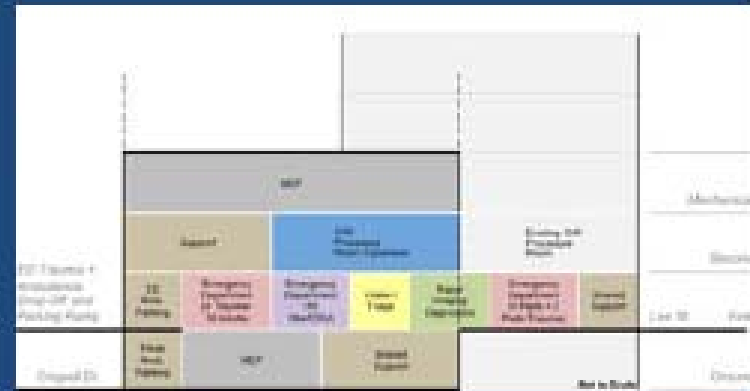


- Option 3 Phase 1 – One level ED**
55 Total beds
- 30 New Adult rooms
 - 4 New Trauma rooms
 - 21 beds remaining in existing ED space
 - 60,000 of visits



Emergency Department Expansion

Update on Health System Projects



Option 3 Phase 2 – One level ED
60 Total beds

- 30 New Adult rooms
- 4 New Trauma rooms
- 10 Adult/Swing & Peds rooms in renovated ED Space
- 16 Obs/CDU in renovated ED Space

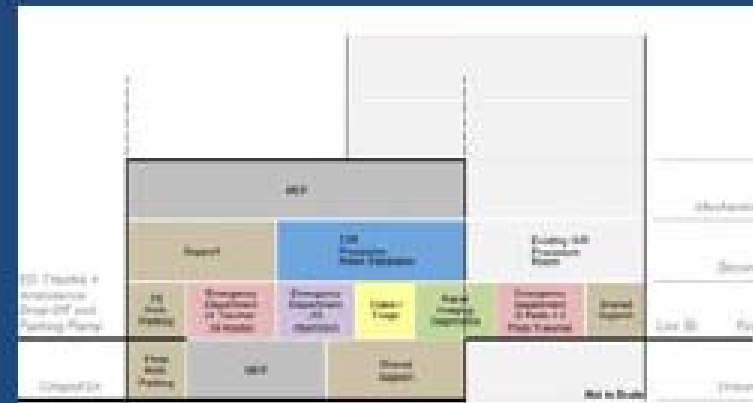
Space

- 65,000 of visits



Emergency Department Expansion

Update on Health System Projects



- Option 3 Phase 3 – One level ED**
- 65 Total beds
 - 40 New Adult rooms
 - 5 New Peds rooms
 - 4 New Trauma rooms
 - 16 Obs/CDU in renovated ED Space
 - 70,000 of visits



Emergency Department Expansion

Update on Health System Projects



Emergency Department Expansion

University Library



1. Alderman Library
Systems, Life Safety, and Accessibility
Renewal and Upgrades

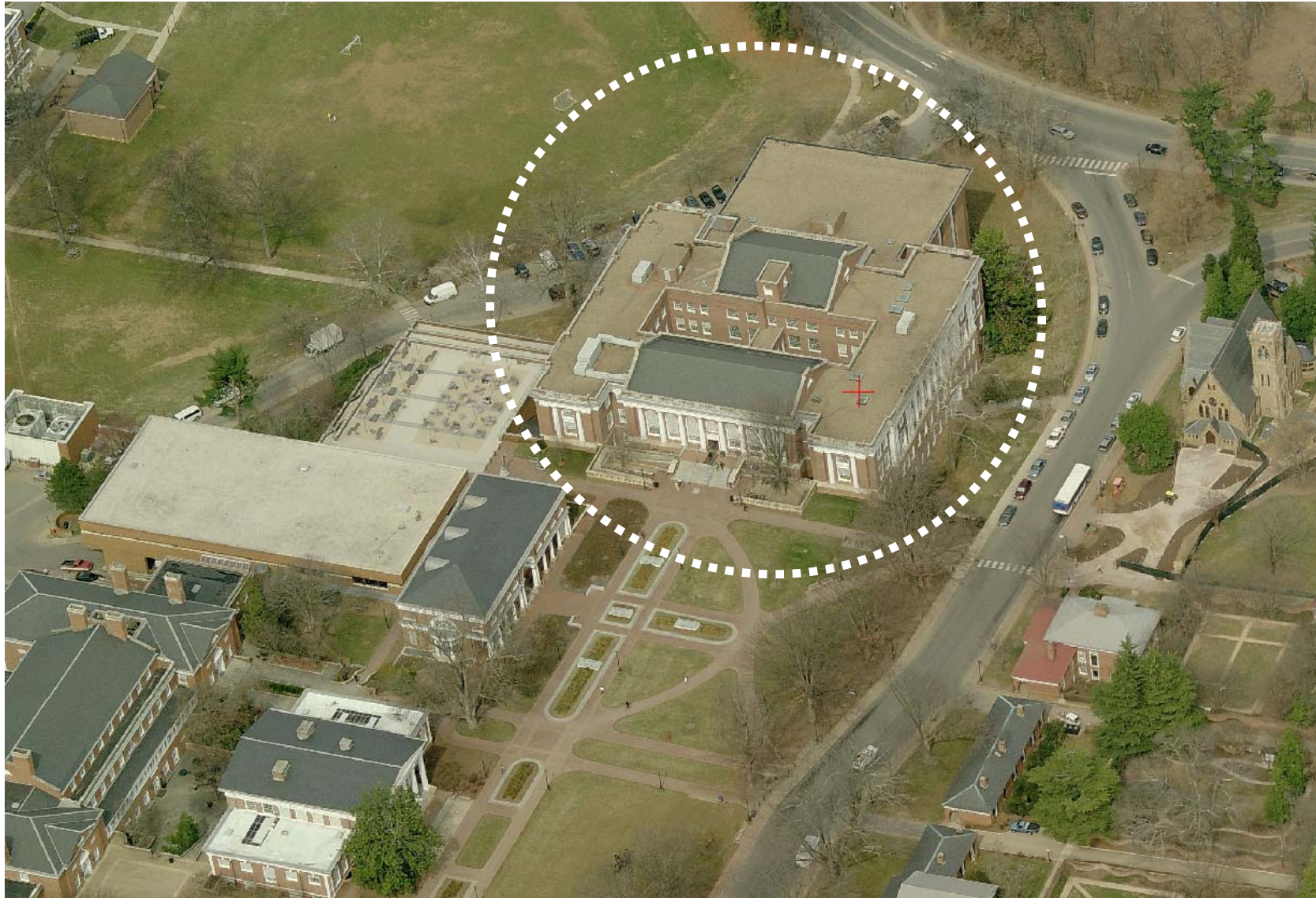
2. Fiske Kimball Fine Arts Library
Systems, Life Safety, and Accessibility
Renewal and High-Density Shelving Addition

Summary of Proposed Changes

Alderman Library Renewal

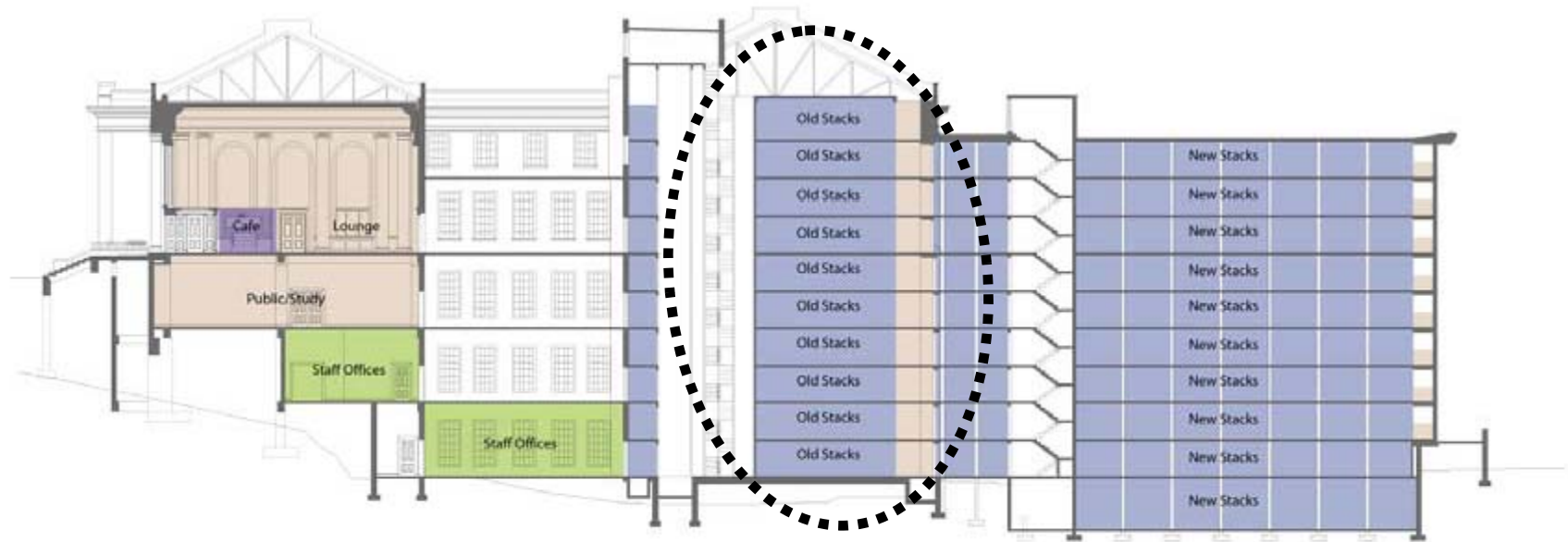


Alderman Library Renewal



Proposed Building Site

Alderman Library Renewal



Conceptual Site Plan

Alderman Library Renewal

The Need:

1. 1938 WPA building hosting > 2,000 students daily violates fire, safety, egress, and accessibility codes
2. No comprehensive overhaul ever done—dated systems are inefficient, unsafe, and difficult to distribute, service and control

The Project:

1. Renew all systems and remove original stacks that are fire hazards and cannot be brought up to code
2. Replace 10 “old stack” floors with a compact shelving system plus two floors of student and faculty study spaces and staff offices
3. No change in exterior footprint

Project Program

Fine Arts Library Renewal and Stack Addition

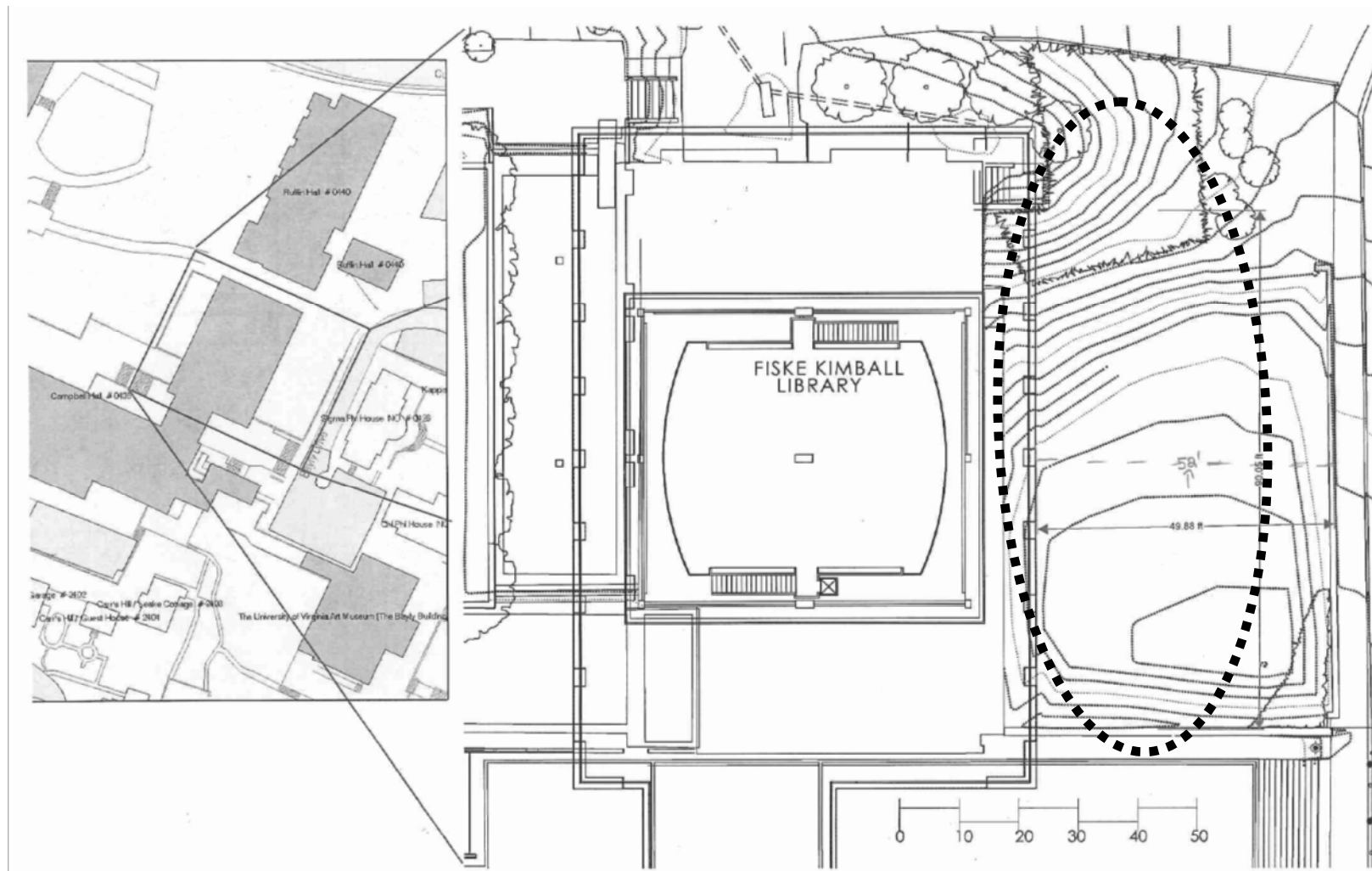


Fine Arts Library Renewal and Stack Addition



Proposed Building Site

Fine Arts Library Renewal and Stack Addition



Proposed Building Site

Fine Arts Library Renewal and Stack Addition

The Need:

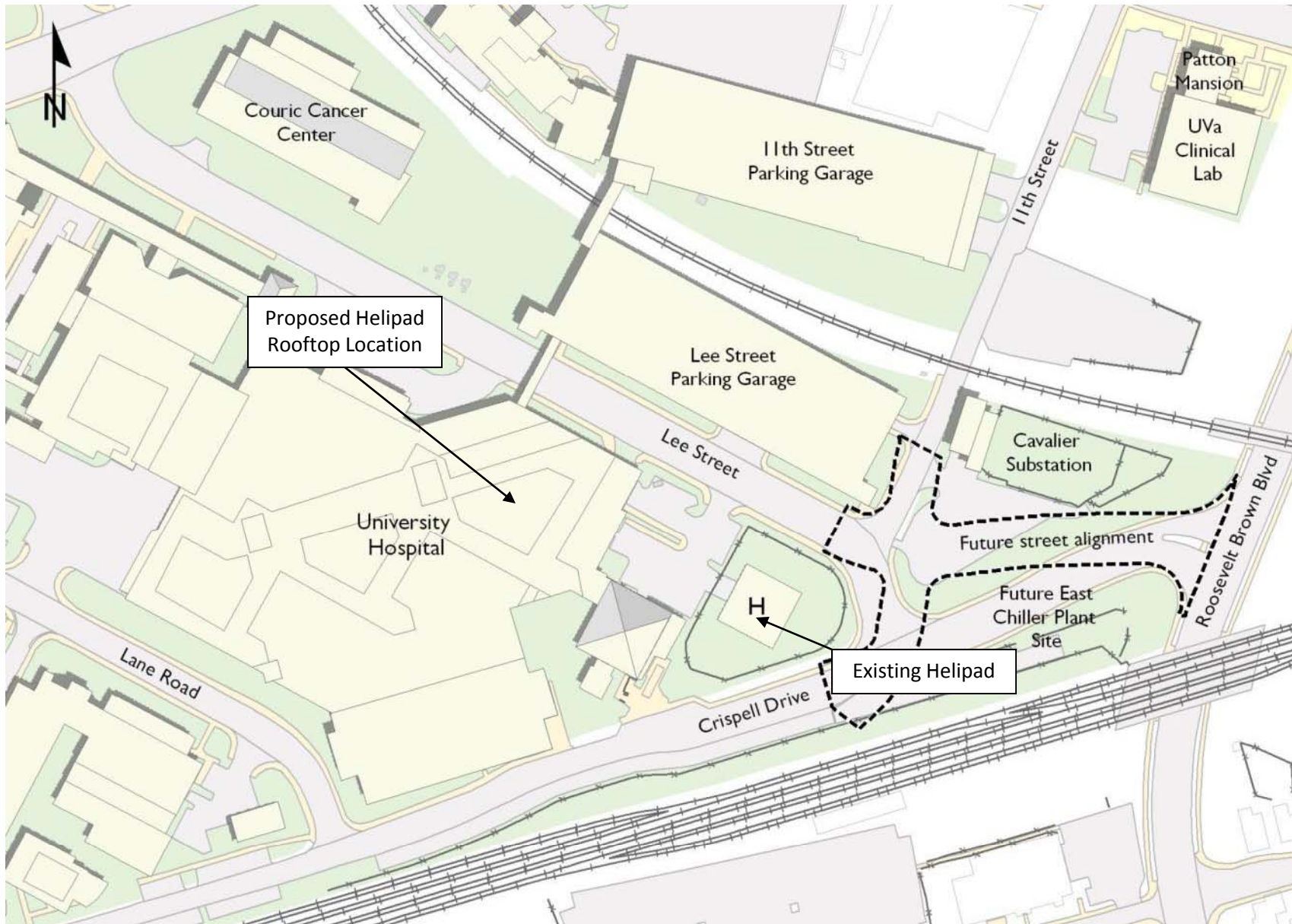
1. 1969 building serving > 80,000 visitors per year fails to meet accessibility, safety, and energy efficiency standards, and has inadequate study and collections space
2. Print materials in high demand—collections grow at the expense of study space—shelves completely full in 2004

The Project:

1. Replace major systems (e.g., plumbing, HVAC, electrical) and asbestos remediation
2. Build below-ground addition under “green side” of building, with compact shelving and appropriate egress; refurbish current space to increase seating capacity
3. No visible exterior change in footprint

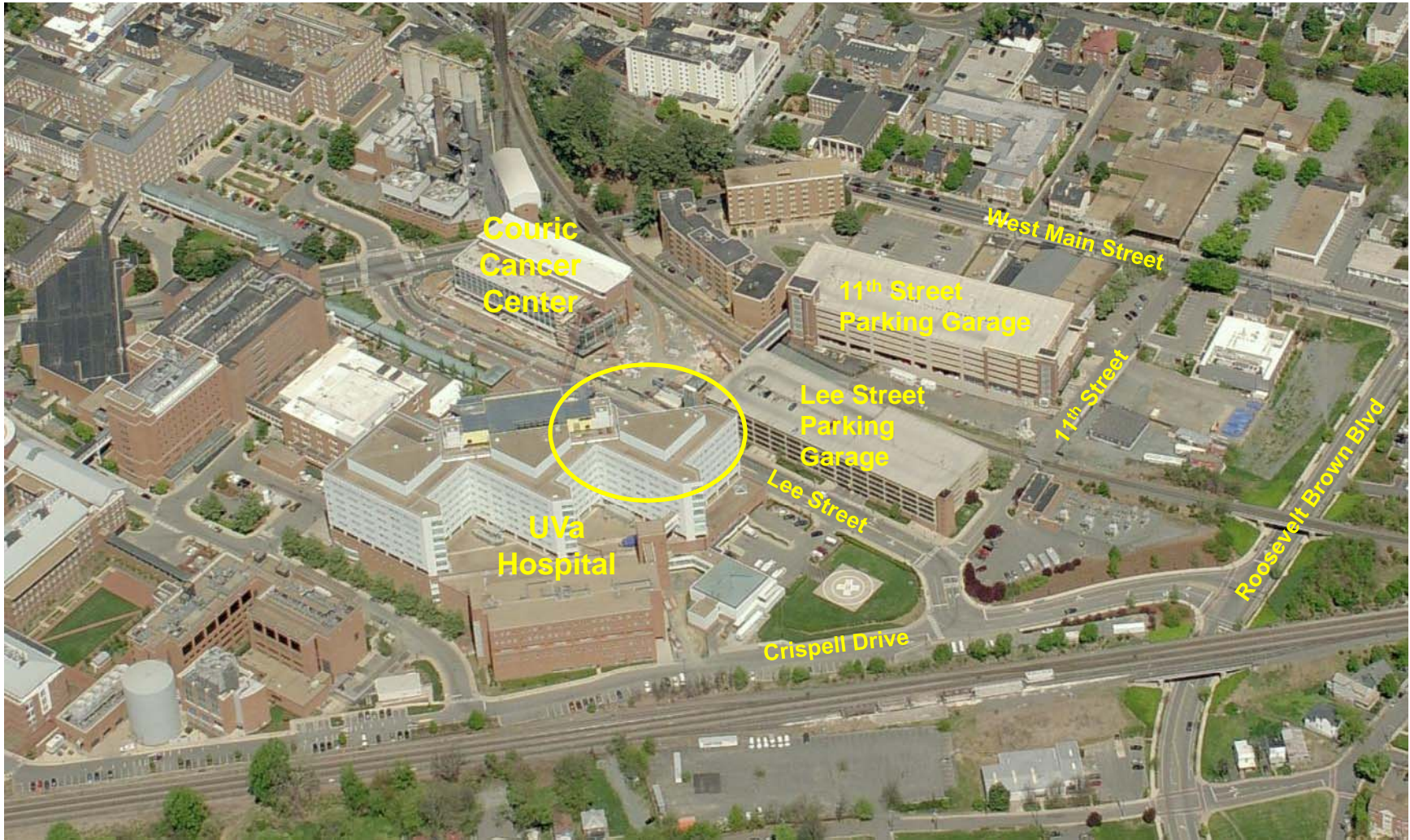
Project Program

Hospital Helipad Relocation



Site Context

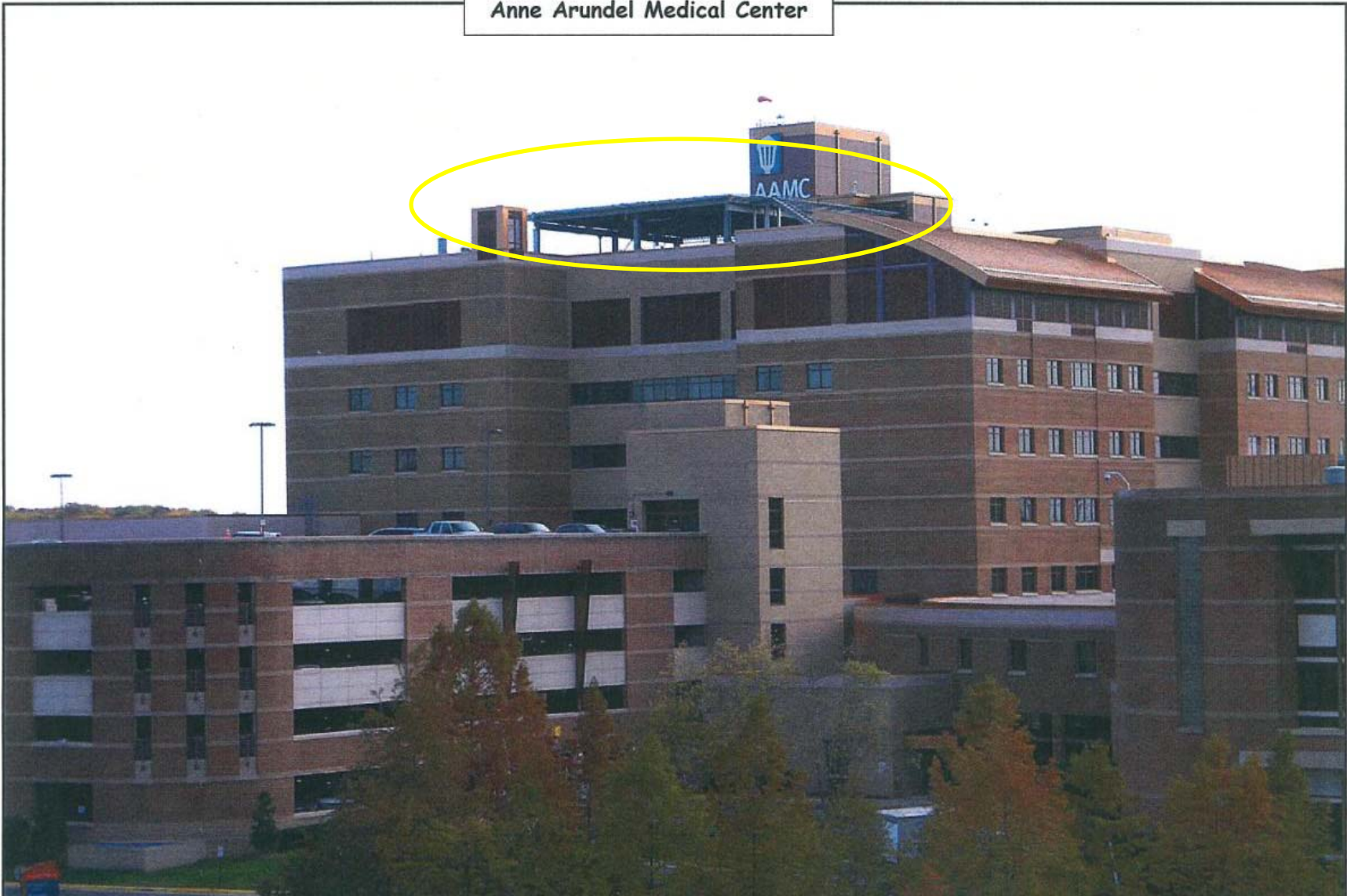
Hospital Helipad Relocation



Aerial View of Medical Center

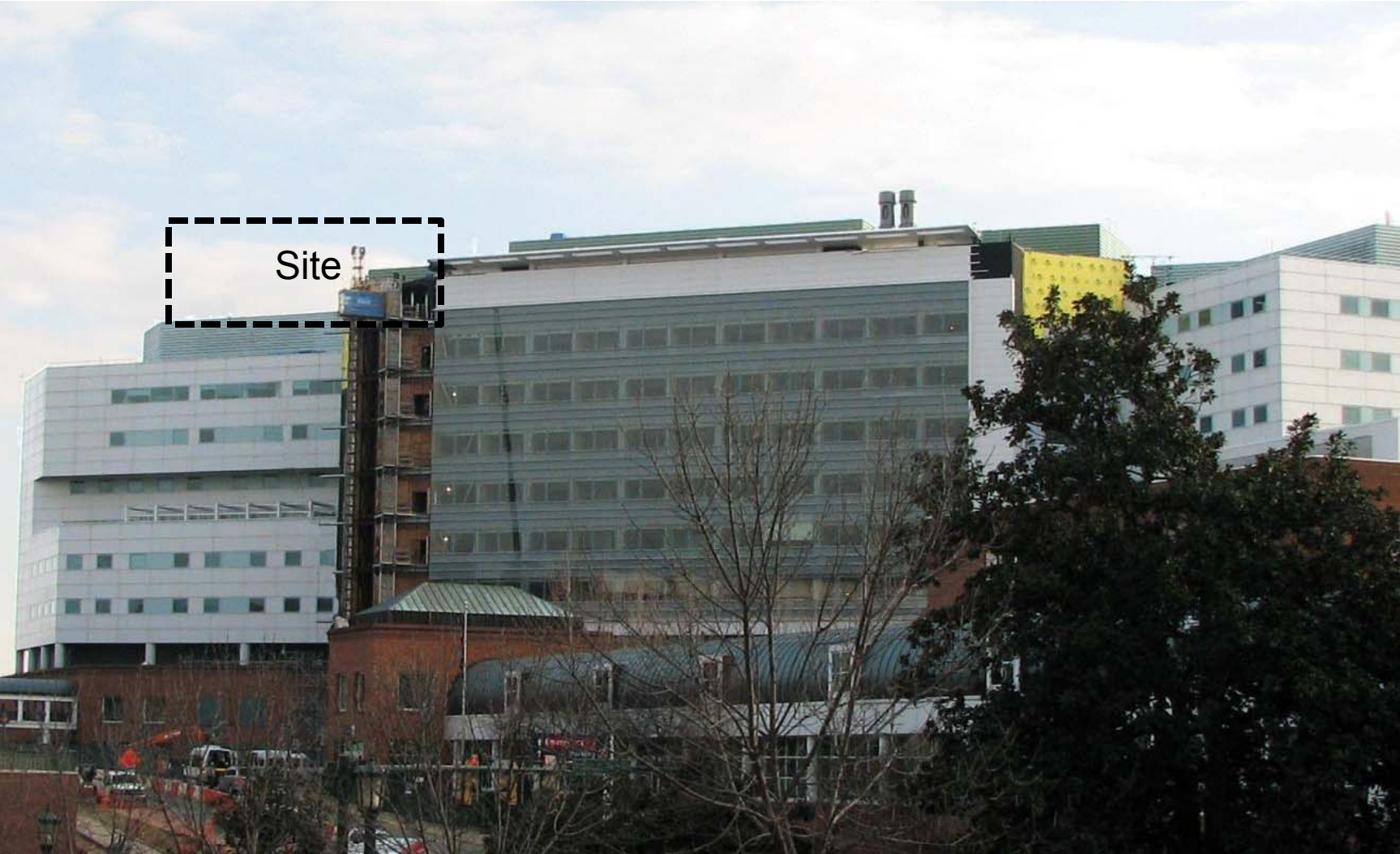
Hospital Helipad Relocation

Anne Arundel Medical Center



Example of Similar Helipad Facility (Annapolis, MD)

Hospital Helipad Relocation



Current View of Hospital

Hospital Helipad Relocation



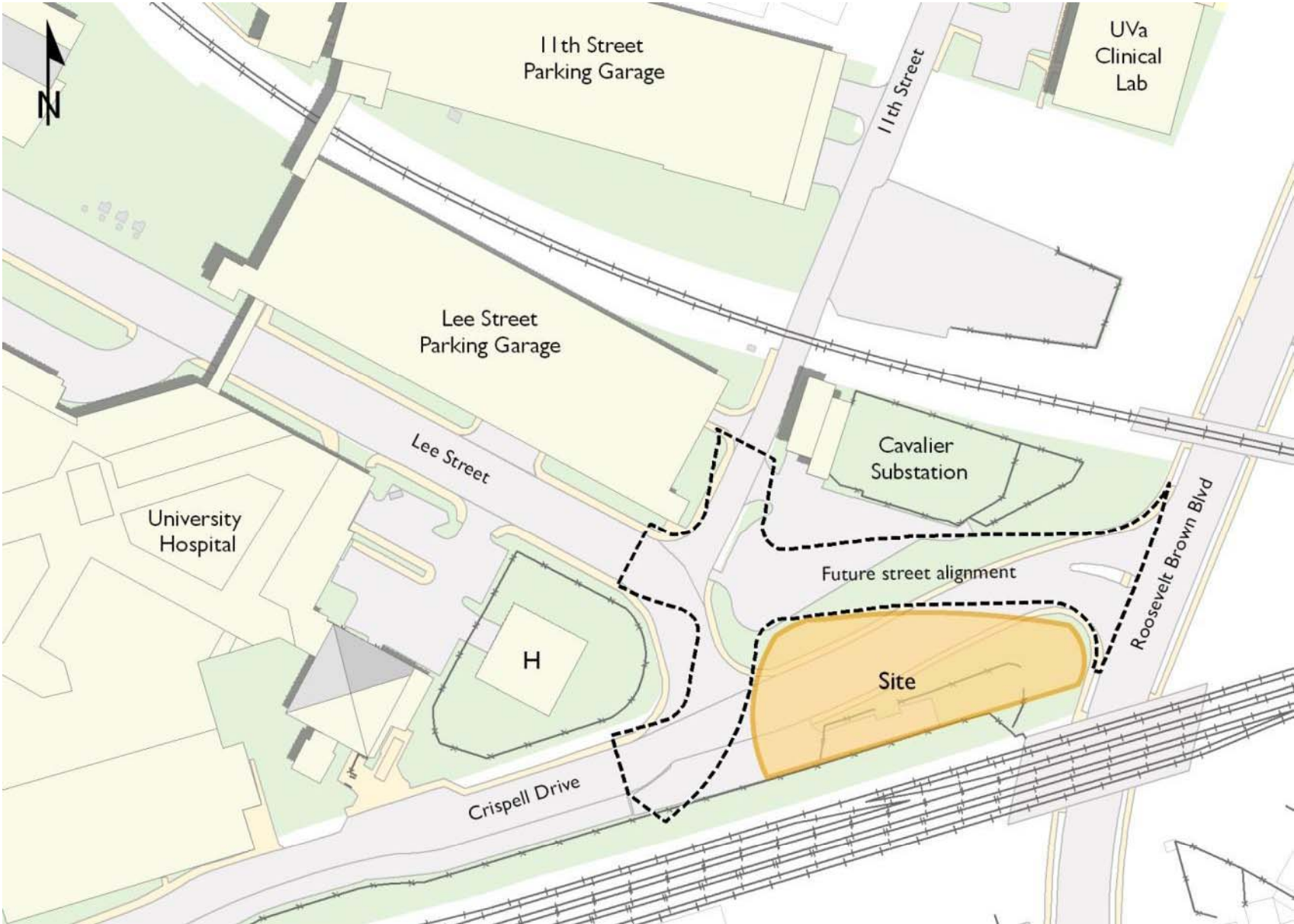
Medical Center Perspective with Site Indicated

East Chiller Plant



Aerial View of Site

East Chiller Plant



Site Context

East Chiller Plant



South Chiller Plant (2008)

East Chiller Plant and Lee Street Realignment



View of the Site from the Lee Street Garage

East Chiller Plant



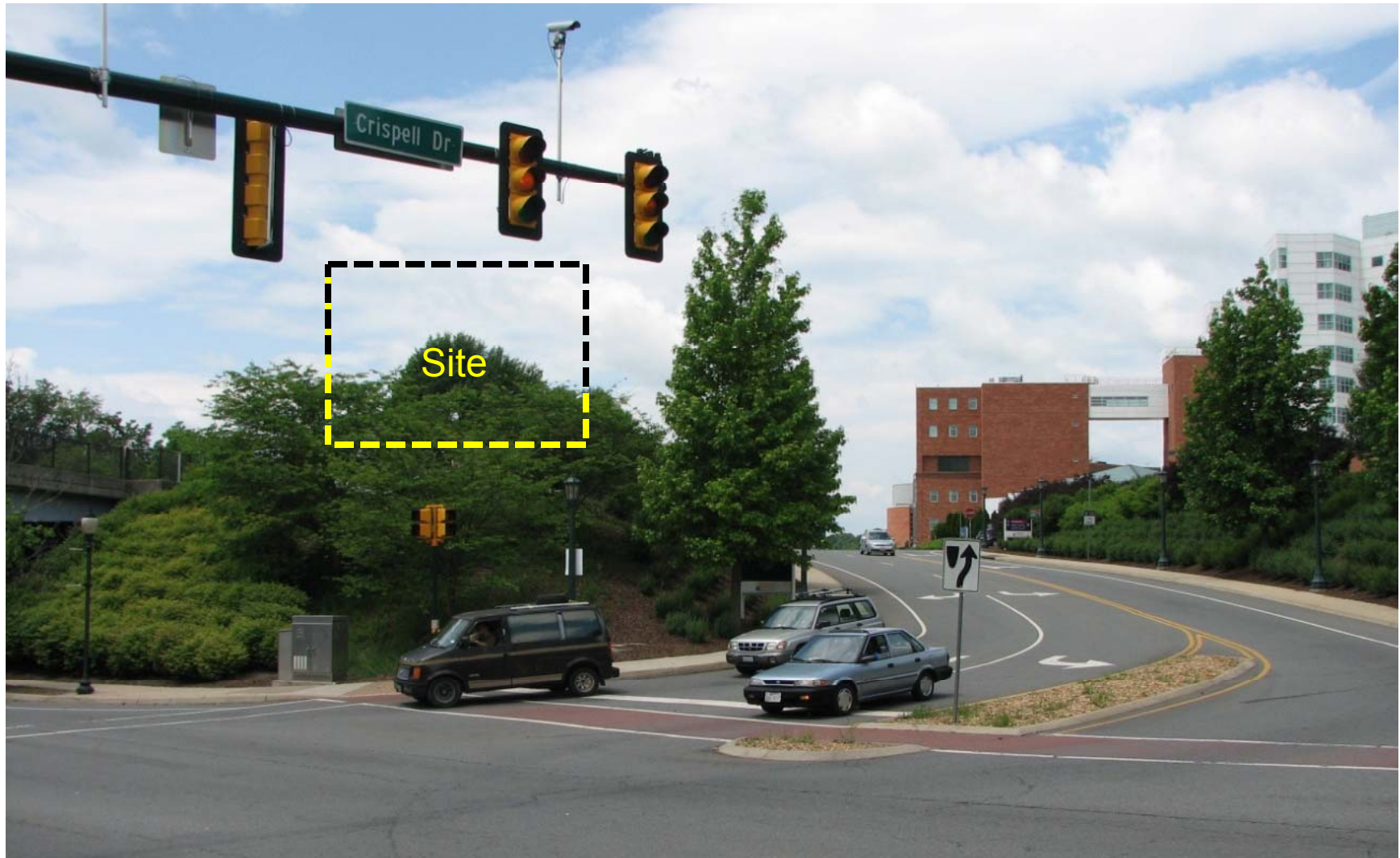
Medical Center Perspective

East Chiller Plant



East Chiller Plan Site Plan

East Chiller Plant



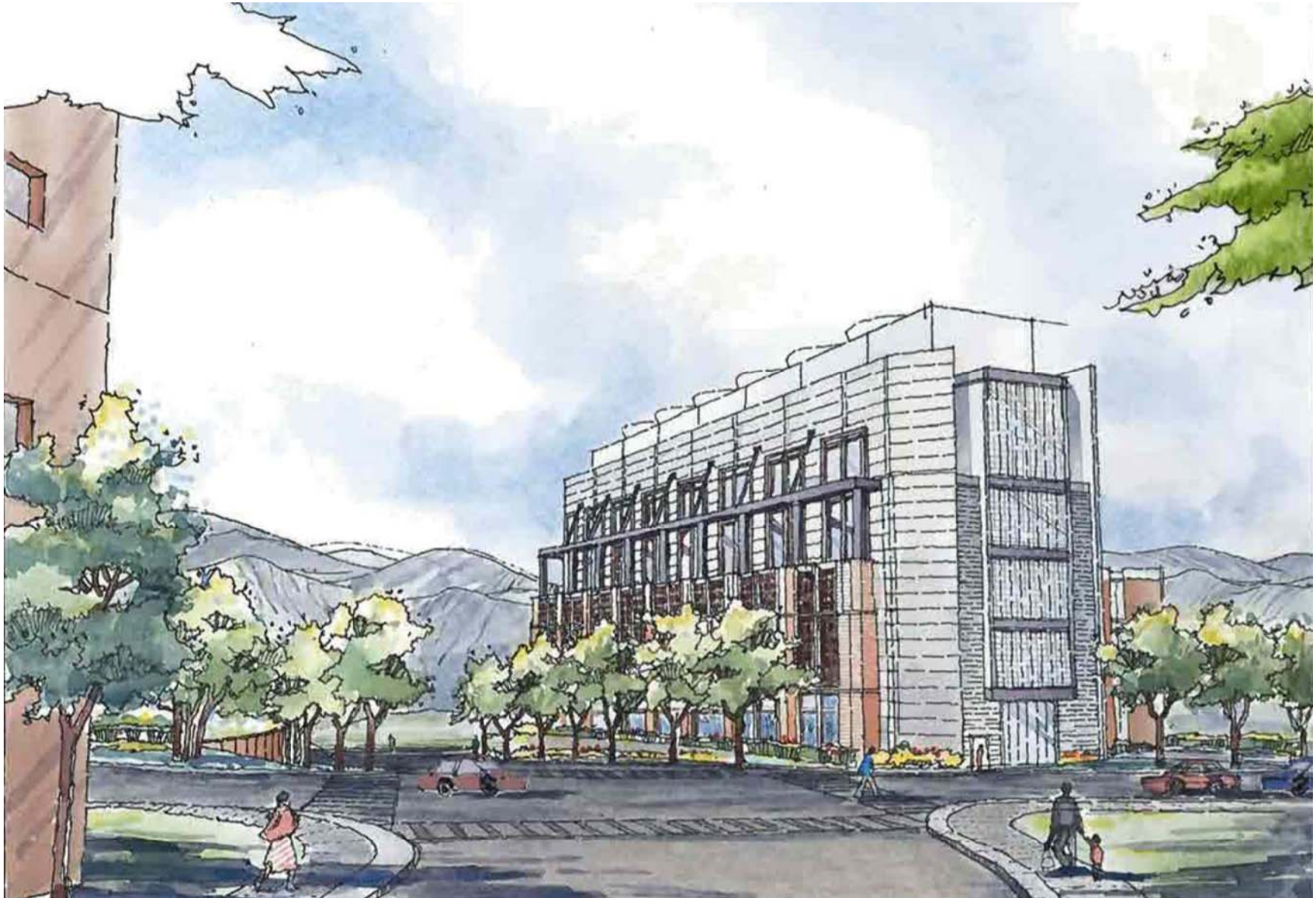
Site from Roosevelt Brown Boulevard

East Chiller Plant



**Similar View with East Chiller Plant
Roosevelt Brown Boulevard and Lee Street**

East Chiller Plant



Lee Street and Crispell Drive

Olympic Sports Entry Plaza and Track & Field Area Plan



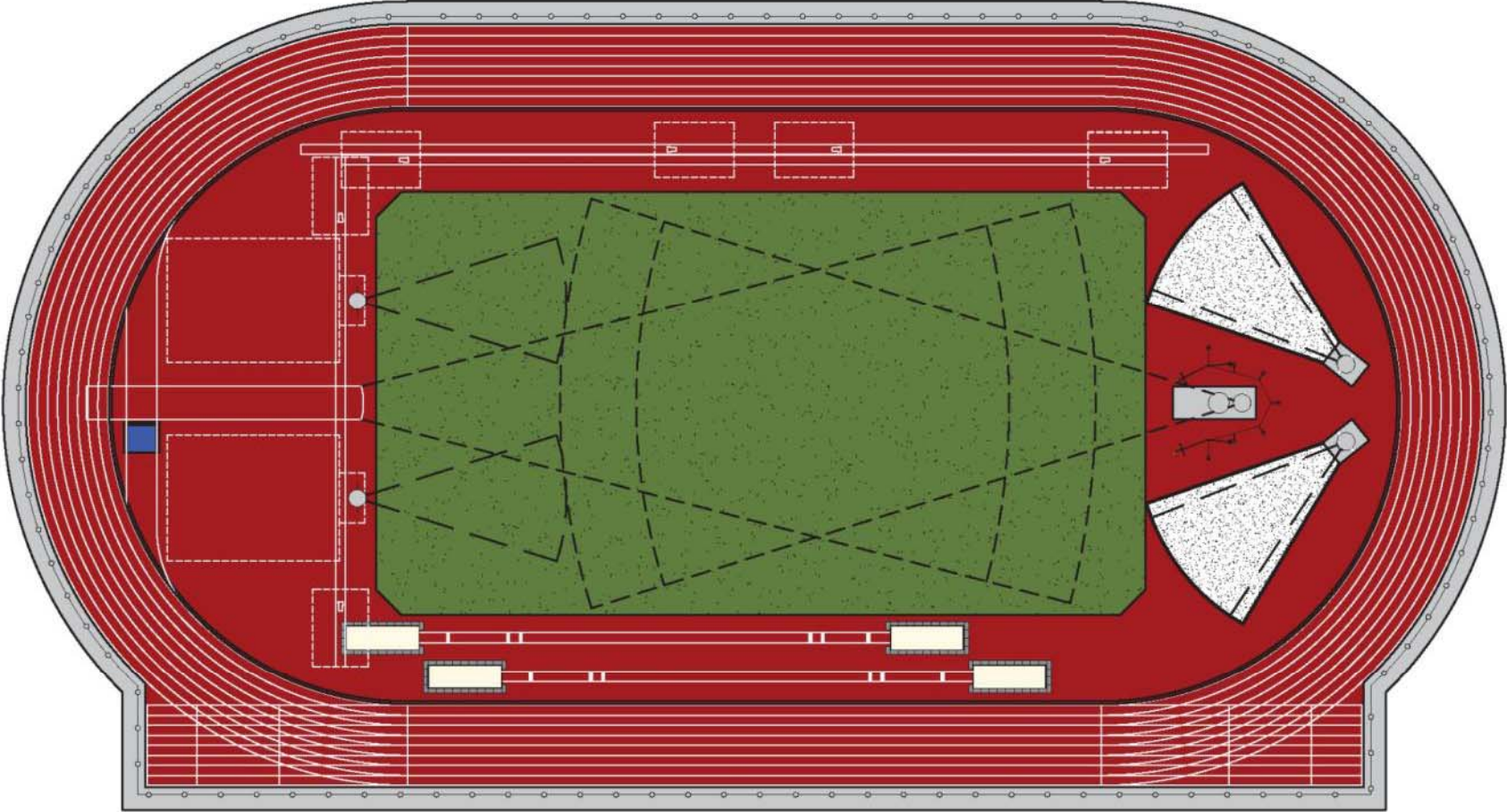
Aerial View of Site

Olympic Sports Entry Plaza and Track & Field Area Plan



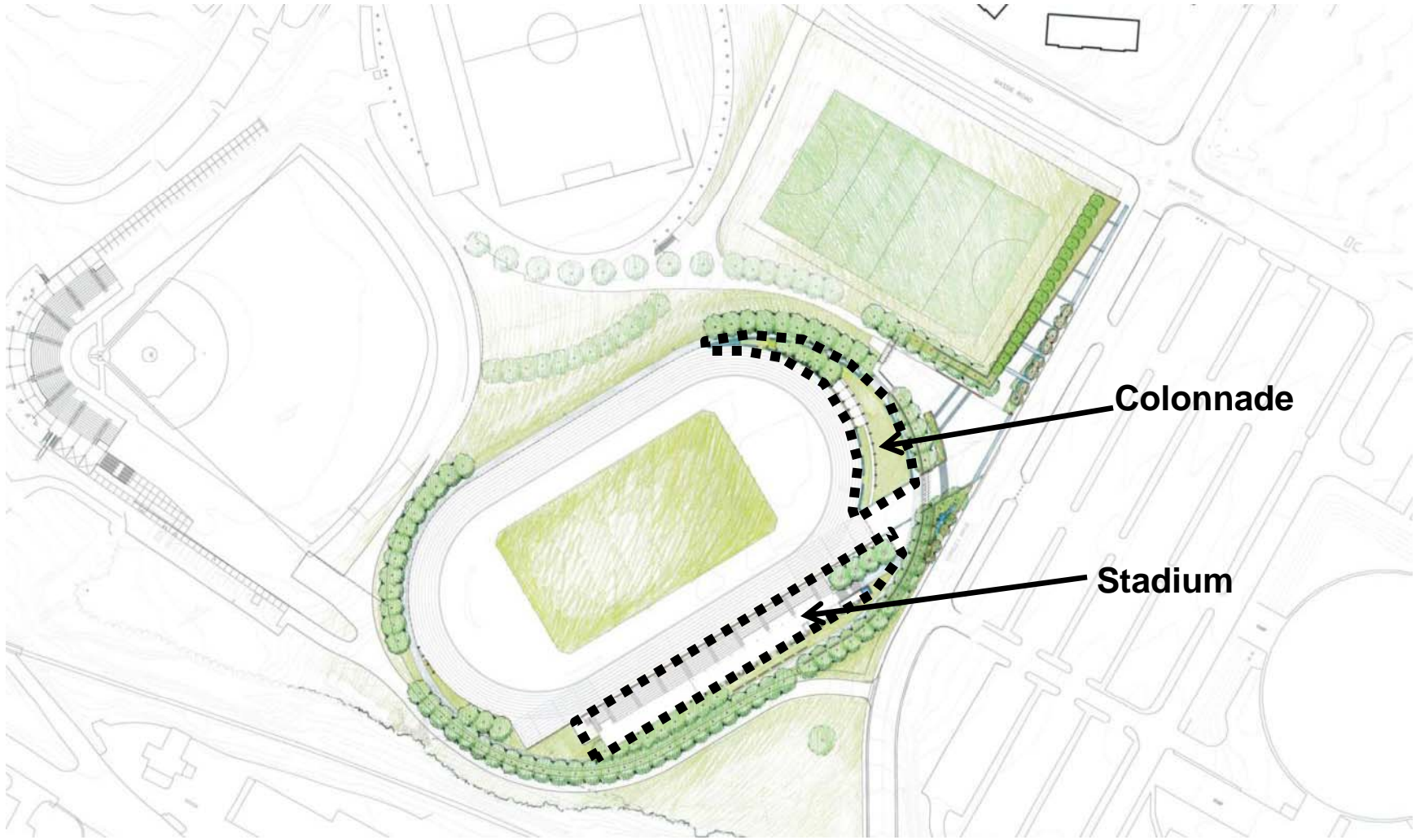
Conceptual Area Plan – Phase 1

Olympic Sports Entry Plaza and Track & Field Area Plan



Track Layout – Phase 1

Olympic Sports Entry Plaza and Track & Field Area Plan



Conceptual Area Plan – Phase 2

Olympic Sports Entry Plaza and Track & Field Area Plan



Klöckner and Davenport Stadiums

Olympic Sports Entry Plaza and Track & Field Area Plan



Davenport Stadium (2002) – Klöckner Stadium (1992)

Olympic Sports Entry Plaza and Track & Field Area Plan



Scott Stadium Entry and Colonnade (Renovation 1997 - 2000) 86

Olympic Sports Entry Plaza and Track & Field Area Plan



Olympic Sports Entry Plaza

Olympic Sports Entry Plaza and Track & Field Area Plan



Track and Field Stadium and Colonnade