

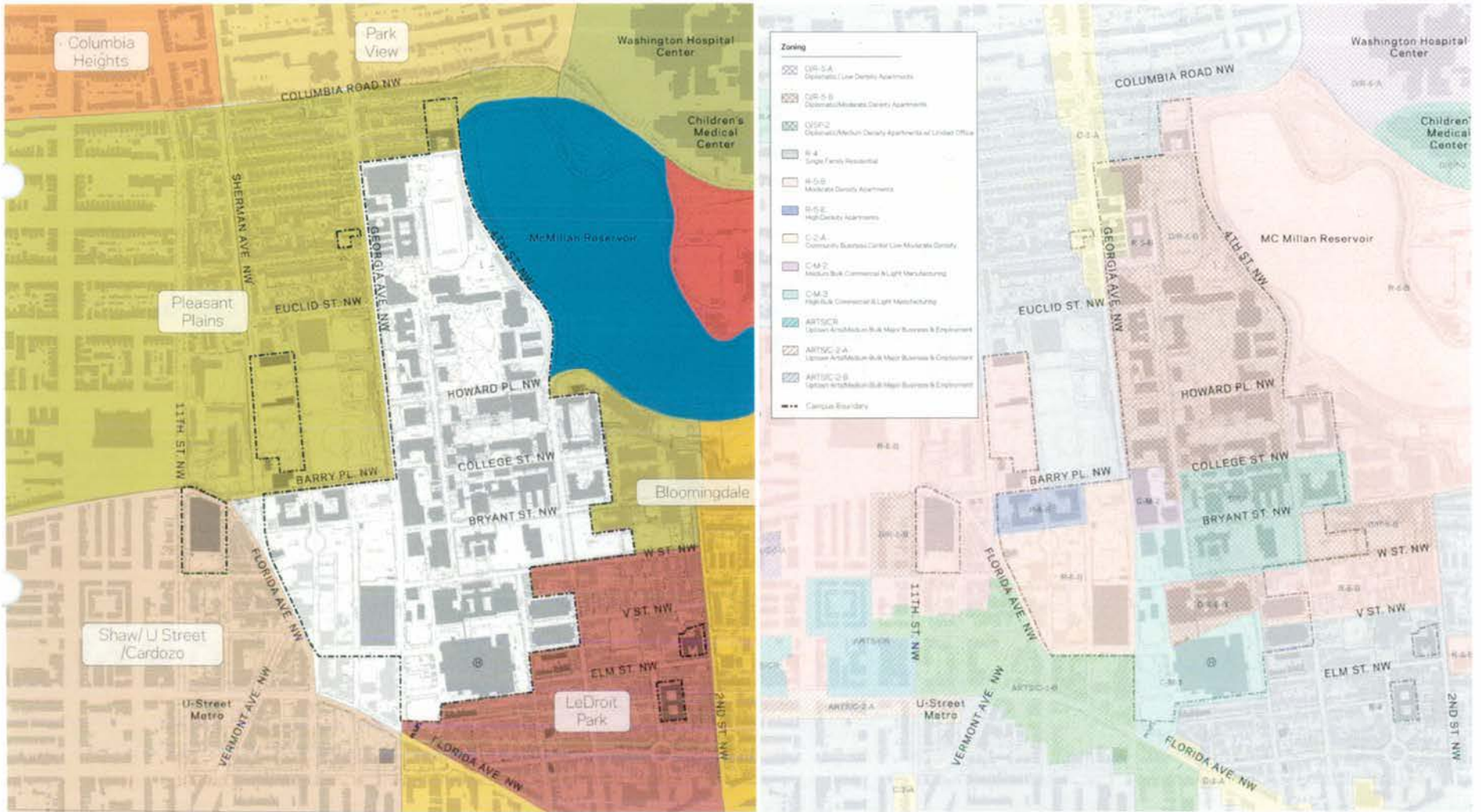
ZONING COMMISSION
District of Columbia
CASE NO. 11-15
EXHIBIT NO. 172



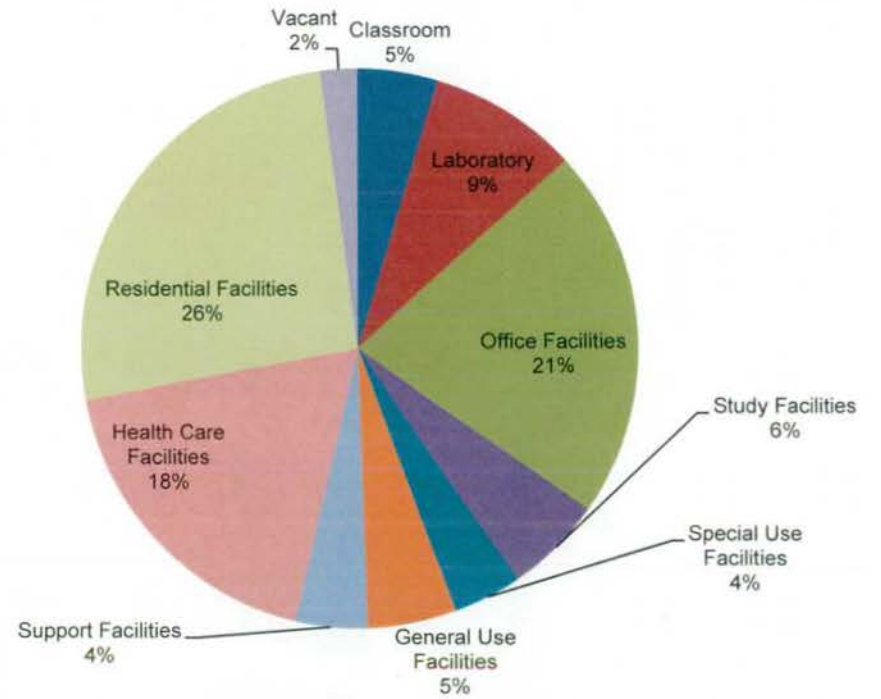
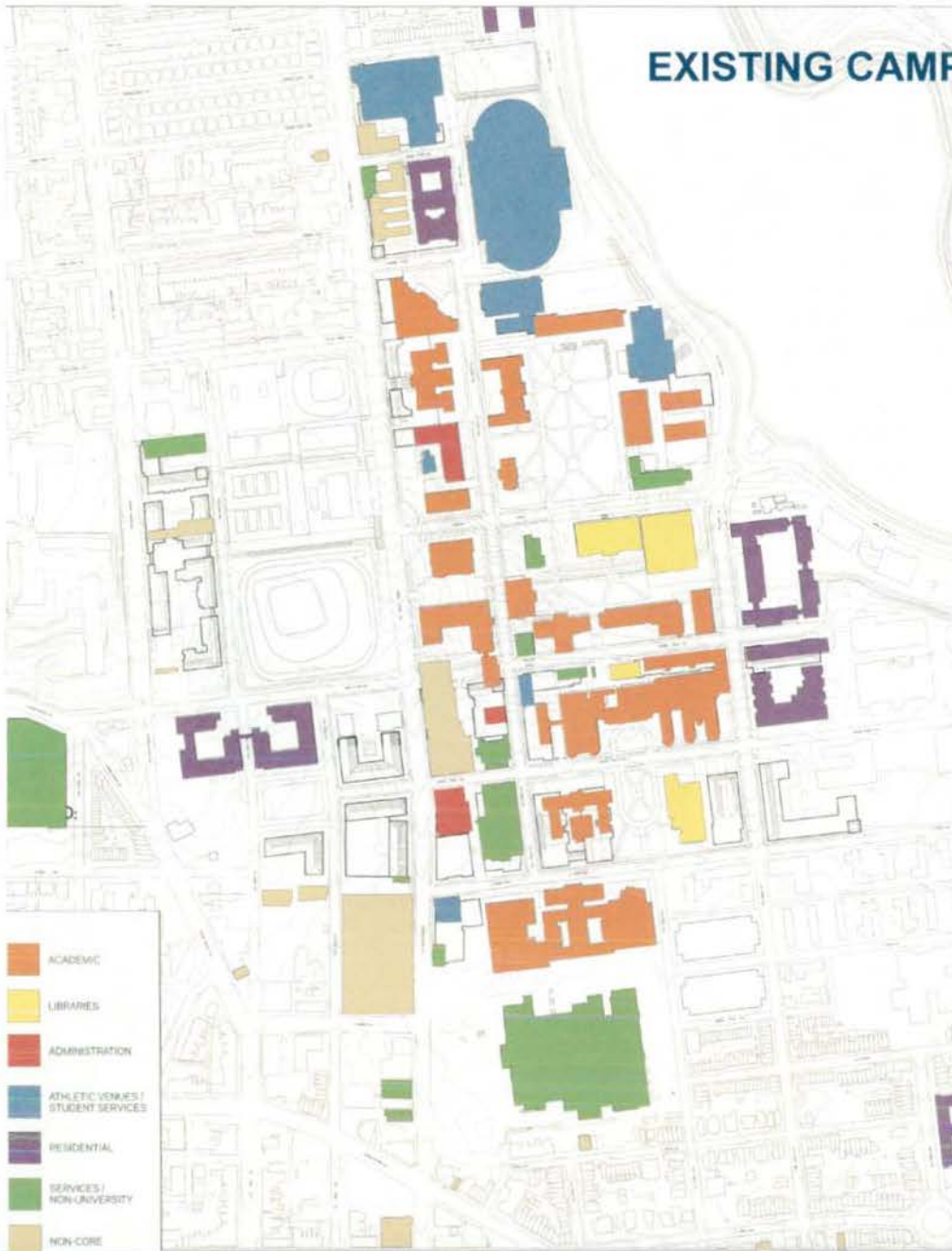
HOWARD UNIVERSITY

OVERVIEW OF THE MASTER PLAN

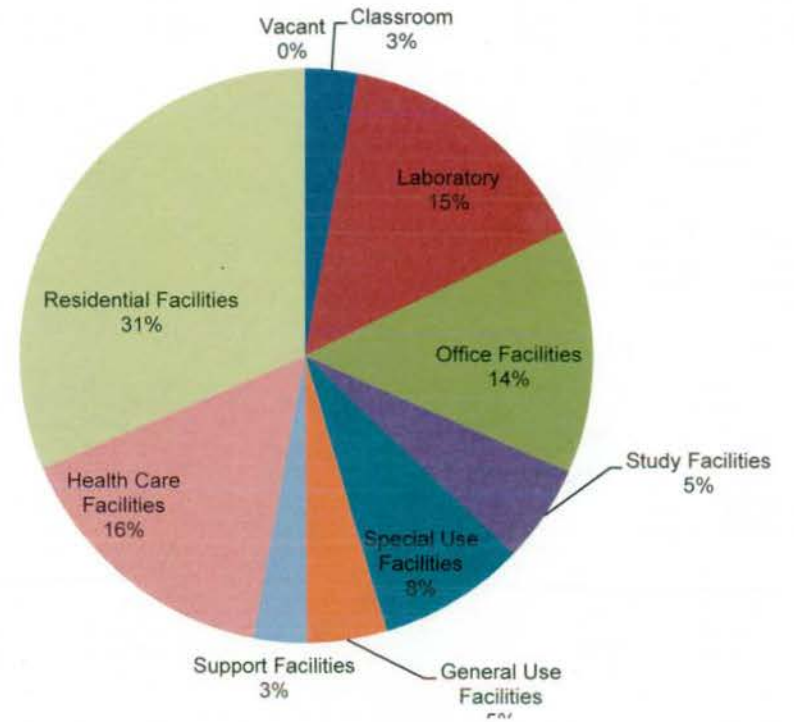
NEIGHBORHOOD CONTEXT AND EXISTING ZONING



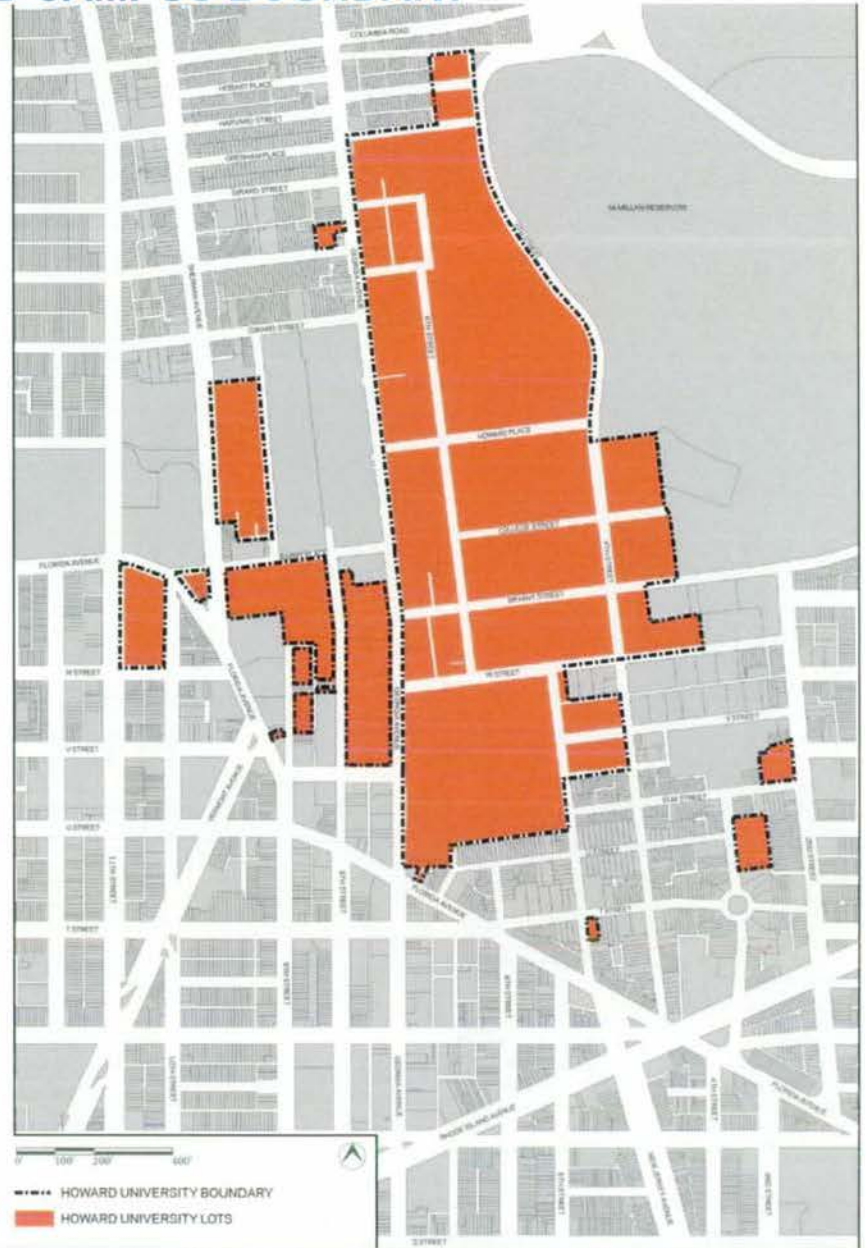
EXISTING CAMPUS USES



PROPOSED CAMPUS ZONES



EXISTING AND PROPOSED CAMPUS BOUNDARY



HOWARD
UNIVERSITY

MASTER PLAN RECOMMENDATIONS





PLANNING PRINCIPLES

- Support University's **Academic Mission**
- Preserve and Protect **Historic Legacy**
- Foster **Community** Engagement
- Implement Good **Urban Design**
- Enhance Connectivity and **Walkability**
- Improve the **Public Realm**
- Develop the **Campus Edge**
- Embrace **Sustainability**



HISTORIC LEGACY AND RENOVATIONS

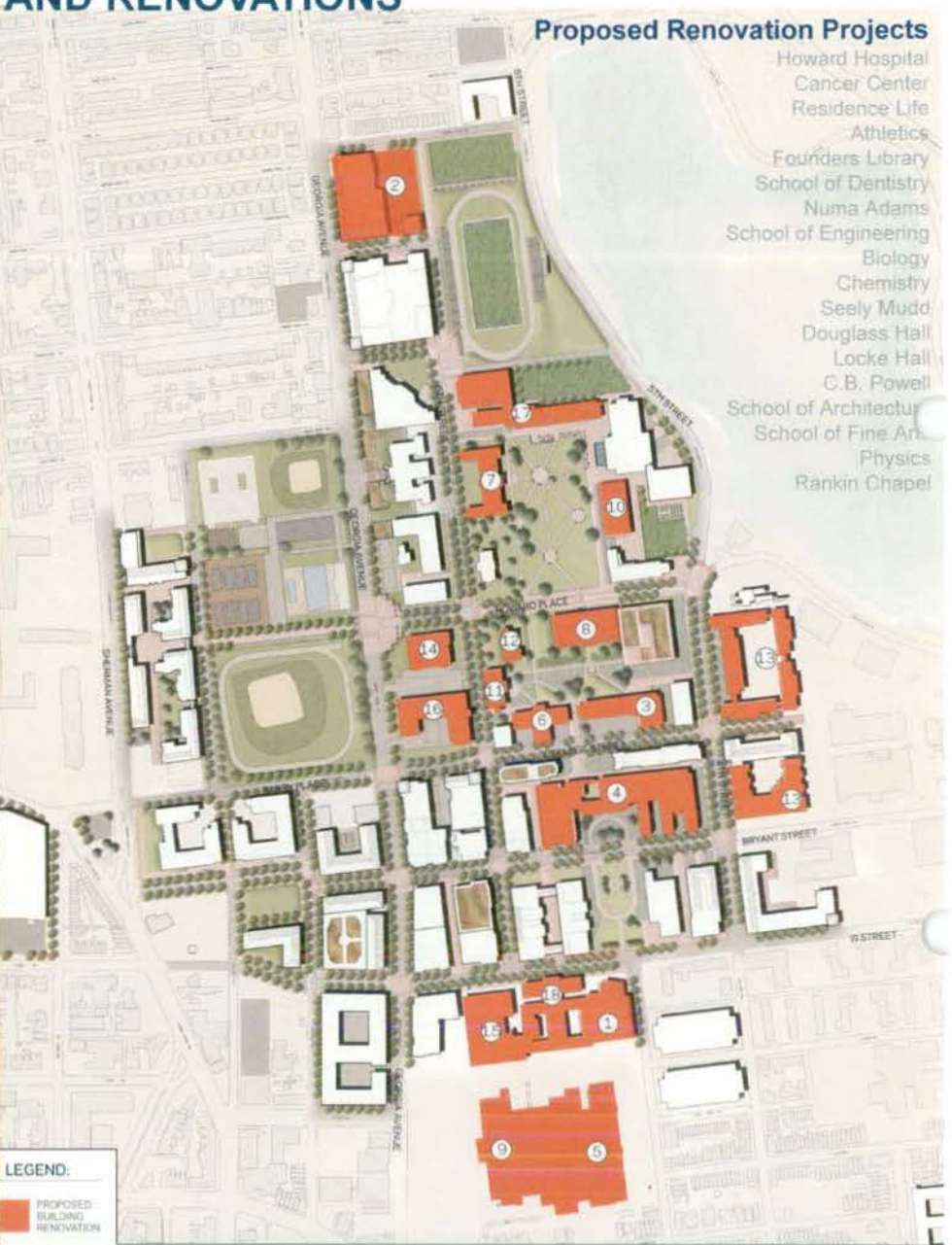
HISTORIC LEGACY

-  NATIONAL HISTORIC LANDMARK (NHL)
-  NATIONAL HISTORIC LANDMARK (NHL) BOUNDARY
-  RESOURCES LISTED ON THE NATIONAL REGISTER OF HISTORIC PLACES
-  PROPERTY LINE



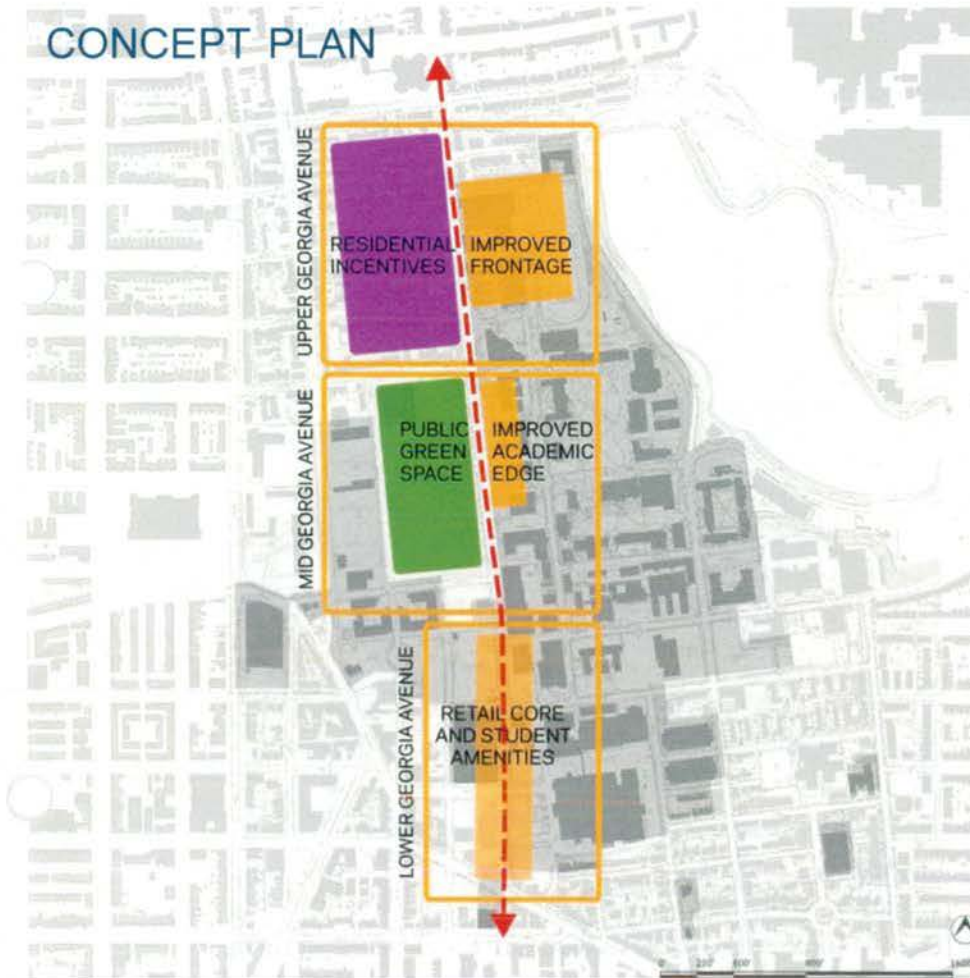
Proposed Renovation Projects

- Howard Hospital
- Cancer Center
- Residence Life
- Athletics
- Founders Library
- School of Dentistry
- Numa Adams
- School of Engineering
- Biology
- Chemistry
- Seely Mudd
- Douglass Hall
- Locke Hall
- C.B. Powell
- School of Architecture
- School of Fine Arts
- Physics
- Rankin Chapel



CAMPUS CONNECTIONS TO GEORGIA AVENUE

CONCEPT PLAN



Upper Georgia Avenue

- Improved **frontage**
- Partnership with the community to encourage affordable workforce, faculty and staff **residential opportunities**.

Mid Georgia Avenue

- Improving frontage of **academic** buildings
- Improved public **green space**
- Potential grad\ work force **housing** west of the green space

Lower Georgia Avenue

- Retail anchored by **Howard Town Center** w/ university- and neighborhood-serving retail, including a grocery
- **Fitness and wellness** facility for University and public use
- **Residential** hub to bring students on Campus
- East/West and Metro **Connections**

BUILDING PHASING PLAN



LEGEND:
 PHASE 1 BUILDING (orange)
 PHASE 2 BUILDING (purple)
 PHASE 3 BUILDING (blue)
 FUTURE PHASE BUILDING (yellow)

Phase One (1-3 years)

1. INTERDISCIPLINARY SCIENCE + ENGINEERING BUILDING (ISEI) / STEM
2. COMPUTATIONAL SCIENCE (CS) /BIOMEDICAL SCIENCE (BioS) + RETAIL
3. UNDERCLASSMAN RESIDENTIAL HALL #1
4. UNDERCLASSMAN RESIDENTIAL HALL #2
5. CAMPUS WELLNESS / RECREATION / AND UPPERCLASSMAN RESIDENTIAL + RETAIL

Phase Two (3-5 years)

6. BLACKBURN CENTER RENOVATION
7. SCHOOL OF COMMUNICATIONS + RETAIL
8. ACADEMIC / SUPPORT SERVICE / PUBLIC SAFETY BUILDING + RETAIL
9. NURSING ALLIED HEALTH + PHARMACY
10. NANOTECHNOLOGY BUILDING
11. UPPERCLASSMAN RESIDENTIAL HALL #1 + RETAIL
12. MINER BUILDING RENOVATION

Phase Three (5-7 years)

13. FUTURE HEALTHCARE SCIENCES / MEDICAL ARTS
14. INTERCOLLEGIATE ATHLETICS COMPLEX + RETAIL
15. GRADUATE / WORK FORCE HOUSING
16. UPPERCLASSMAN RESIDENTIAL HALL #2
17. TEACHING AND LEARNING BUILDING

Future Phase Capacity

18. ACADEMIC / RESIDENTIAL+ RETAIL
19. INSTITUTIONAL INFILL
20. MIDDLE SCHOOL
21. ACADEMIC / RESEARCH
22. ACADEMIC / RESEARCH
23. ACADEMIC / RESEARCH
24. ACADEMIC / RESEARCH
25. ACADEMIC / RESEARCH

BRYANT & 8TH STREET



View looking east on Bryant Street from Proposed Residential Quad

GEORGIA AVENUE & BRYANT STREET



Georgia Avenue

View looking north on Georgia Avenue

BRYANT & 6TH STREET



View looking east on Bryant Street

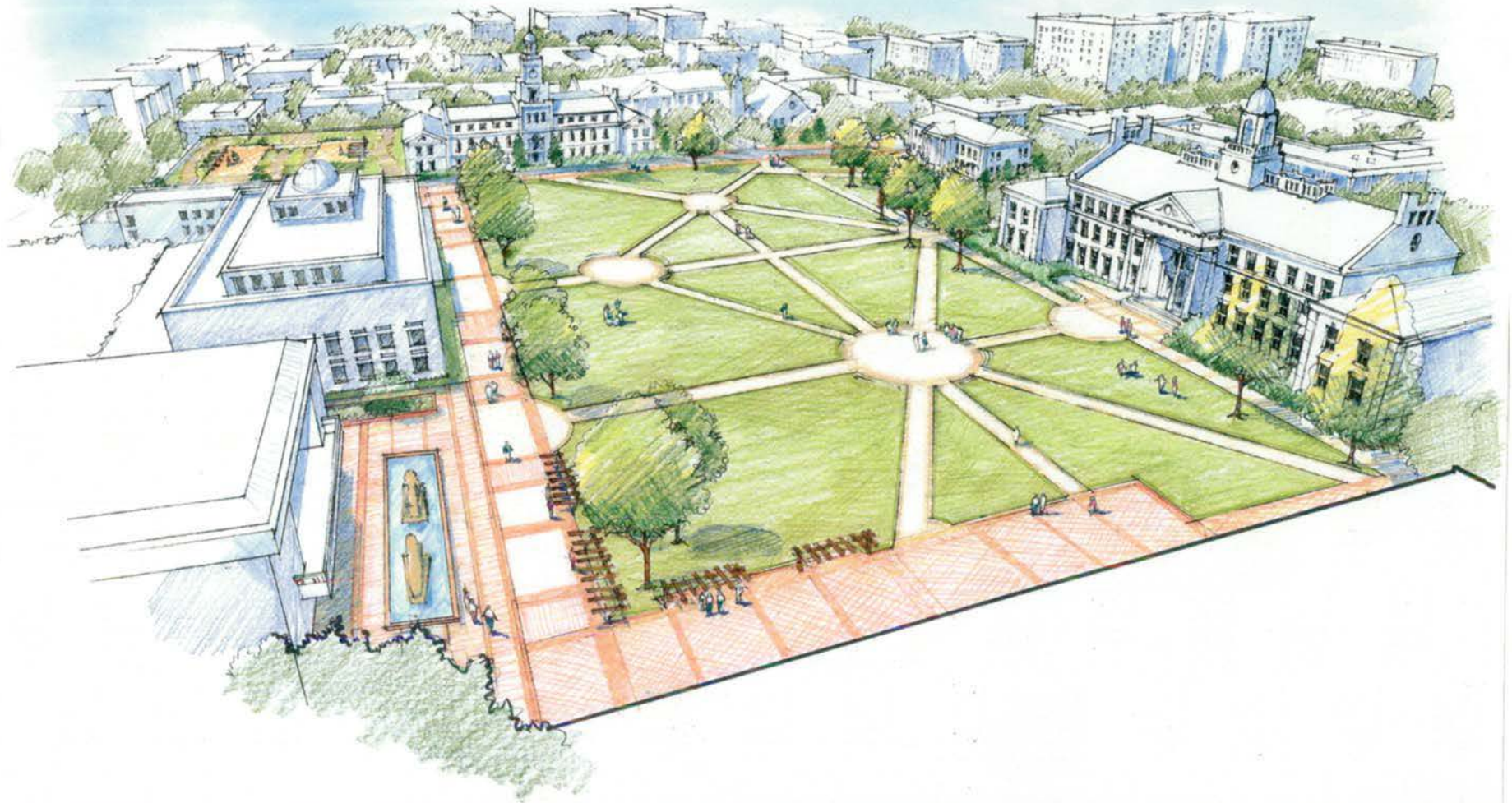
KEY LANDSCAPE RECOMMENDATIONS




1. Renovate the Main Quad
2. Renovate the Lower Quads
3. Develop a new gateway at Howard Place and Georgia Avenue
4. Improve Streetscapes throughout the campus boundaries
5. Improve the East-West pedestrian connection at Howard Place across Georgia Avenue to Sherman Avenue
6. Renovate the rooftop of the Undergraduate Library with a new green roof garden, arbor and seating areas.
7. Create a new Residential Quad



RENEW THE HISTORIC MAIN QUAD



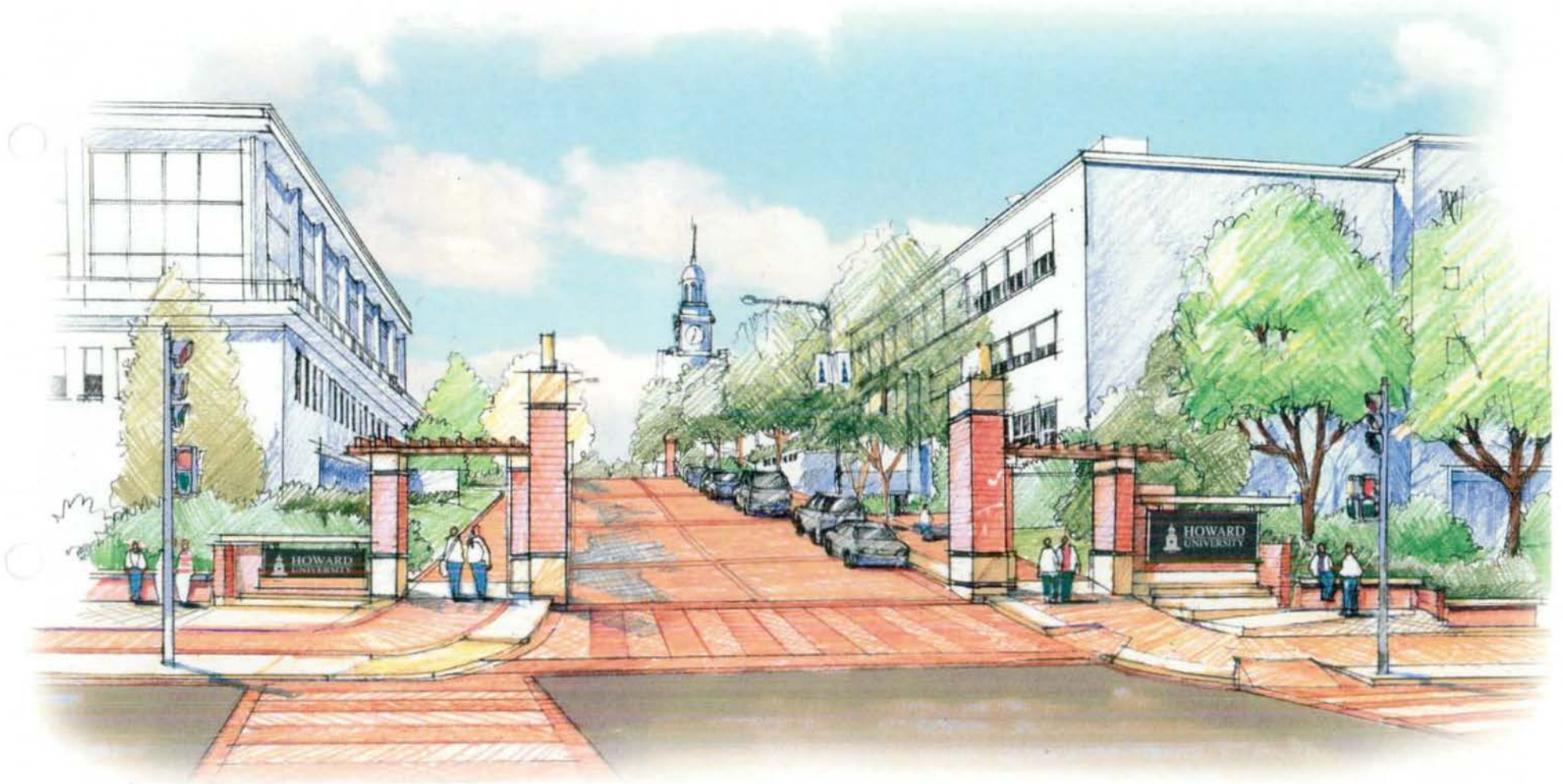
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CAMPUS MASTER PLAN UPDATE 

NEW GATEWAY AT HOWARD PLACE & GEORGIA AVENUE



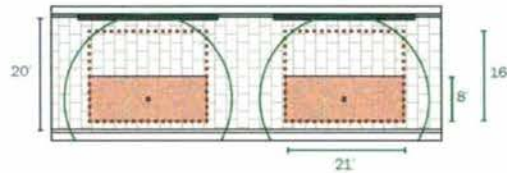
NEW GATEWAY AT HOWARD PLACE & GEORGIA AVENUE



IMPROVE STREETSCAPES



Sidewalk: **20 feet**
 Soil volume: **1000 cubic feet**
 Tree Space Width: **8 feet (open)**
 16 feet (total)
 Open Soil Area: **168 square feet**
 Walking Space: **10 feet**
 Curb Walk: **2 feet**



Soil Volume =
 Total Soil Area (21' x 16' x 3')



SUSTAINABLE SITE STRATEGIES

The campus setting provides the opportunity for learning about, restoring and improving the environment.

- **Implementing storm water management techniques** that infiltrate, store, capture and reuse rainwater results in less runoff, maintenance and energy costs.
- **Reducing the percentage of lawn** to essential flat areas will reduce maintenance costs, improve water quality, and add a mixture an diversity of other plant species
- **Native planting species** can be used in the planting designs as they are more suited to the local conditions and as such do not require irrigation and fertilization to maintain them.



