

PERKINS+WILL

State University Construction Fund

Binghamton University Facilities Master Plan

Open Forum Session: Final Plan Recommendation

13 April 2011, 3:00pm



PRESENTATION /30min

Q+A /20min

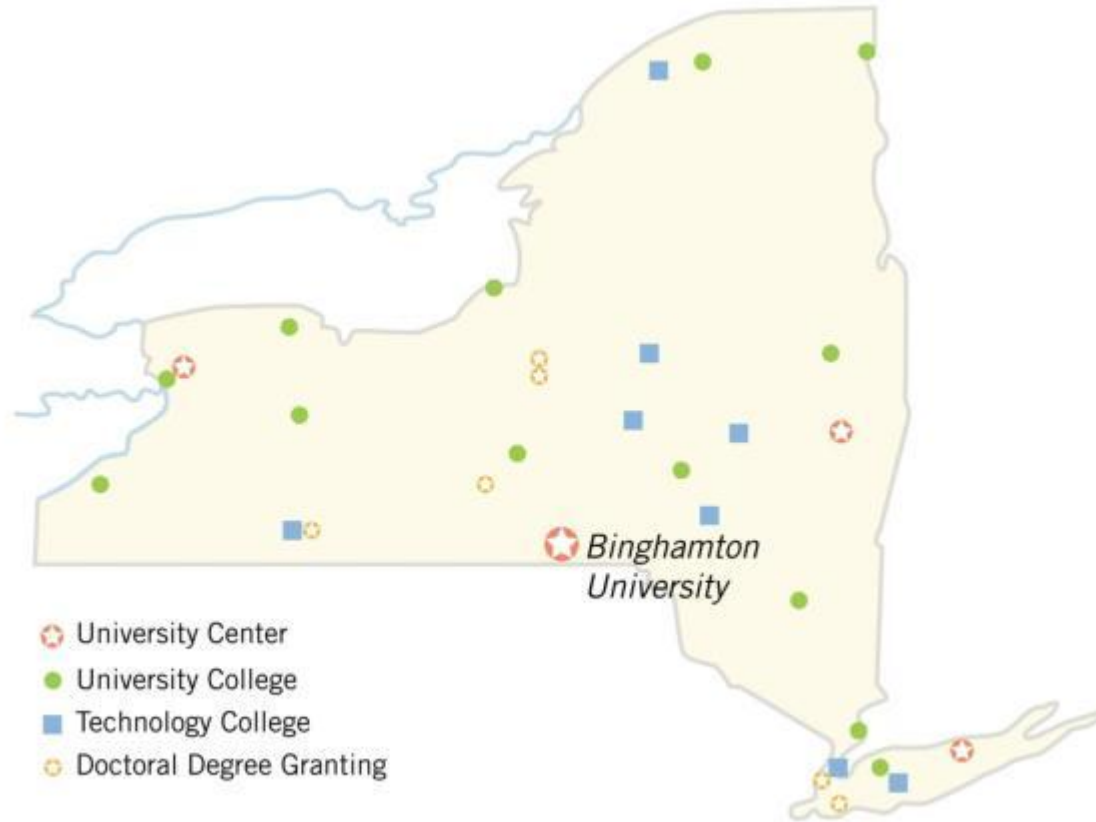
PRESENTATION

- 1. Overview of Project Intent and Process**
- 2. Growth of BU to 2023**
- 3. Land Use and Building Use**
- 4. Circulation and Open Space**
- 5. Implementation**

- 1. Overview of Project Intent and Process**
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SUNY SYSTEM-WIDE PLANNING EFFORT

- Future construction projects that **support the academic mission**
- Inform **future construction funding requests**
- *Fundamentally the process is about maximizing the value of limited resources*



OVERVIEW OF PROJECT INTENT AND PROCESS

1. Campus Profile

Jan– Apr 2010

Gather background information about the campus.

2. Conditions Assessment

Jan – Jul 2010

Understand existing conditions, opportunities, and constraints; identify issues and considerations to inform current and future uses.

3. Analysis of Space Needs

Mar 2010 – Jan 2011

Identify current and future utilization, capacity, and space needs of campus facilities and programs based on institutional mission and academic direction.

4. Concept Alternatives

Sep 2010 – Feb 2011

Propose facility development alternatives: “How do we get there from here?”

5. Final Recommendations

Feb – Mar 2011

Provide a plan to prioritize and sequence future capital projects and identify capital funding requirements that support mission.

6. Report Realignment

Feb – Apr 2011

Assist in reconciling this FMP with those from around the State.

OVERVIEW OF PROJECT INTENT AND PROCESS

BINGHAMTON UNIVERSITY'S FMP

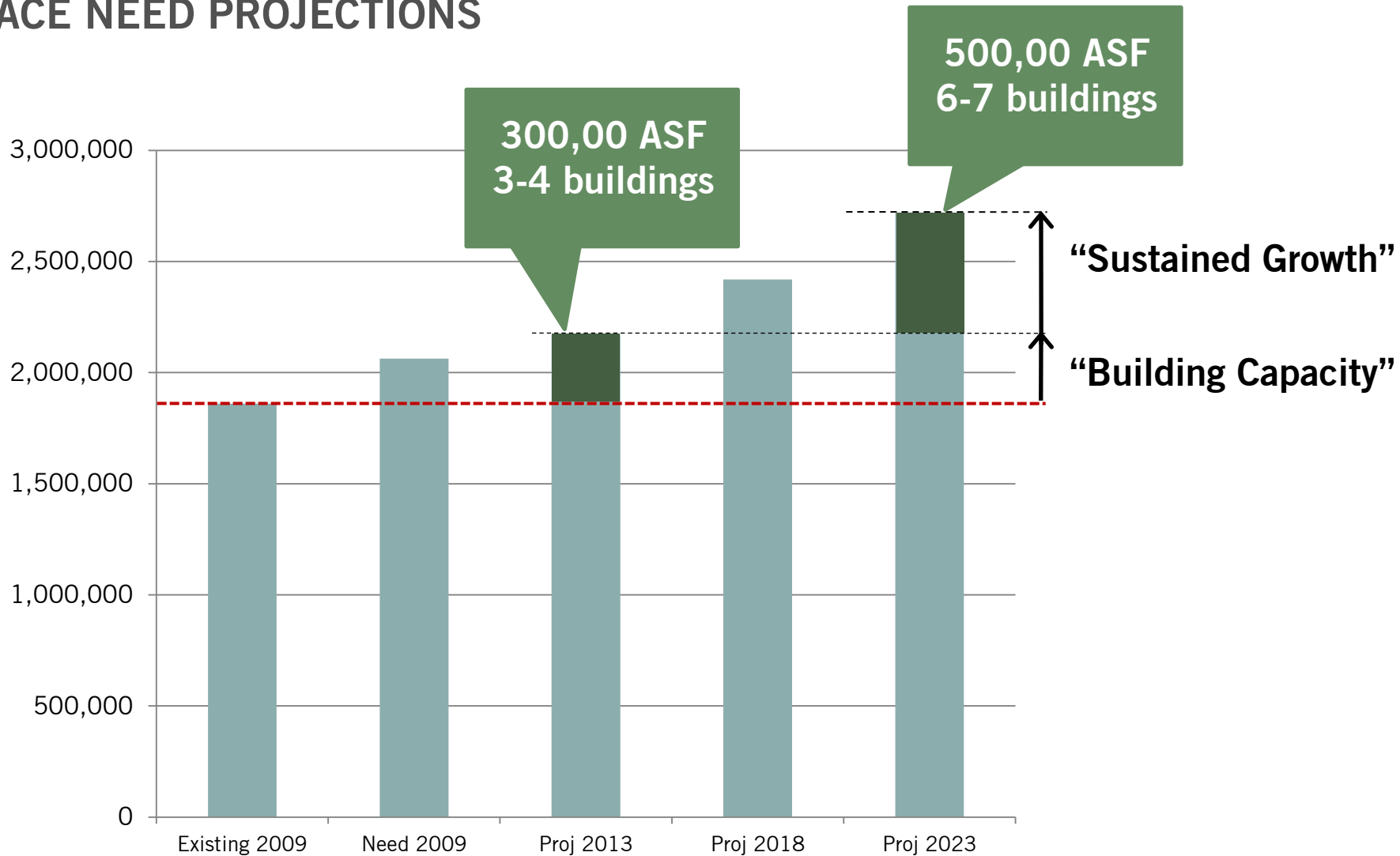
- Define the **required campus environment** to realize strategic mission and academic goals
- Create an **implementable roadmap** to guide campus development over two capital funding periods: 2013-2018 and 2018-2023



OVERVIEW OF PROJECT INTENT AND PROCESS

1. Overview of Project Intent and Process
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SPACE NEED PROJECTIONS



GROWTH OF BU TO 2023

CAPITAL PROJECT TYPES

Renovation



- Maximizing the value of existing facilities investments
- Opportunity for substantive change

New Construction



- Adding facilities capacity to support enrollment growth
- Catalyzing cycles of renovation

Project types tied to distinct funding streams...

GROWTH OF BU TO 2023

IMPORTANCE OF PRIORITIZATION

- Given the magnitude of need, it will be important to **make the right first moves**
- Strategy will involve **maximizing existing facilities**
- Priorities are measured against the **FMP Planning Principles**



GROWTH OF BU TO 2023

1. Overview of Project Intent and Process
2. Growth of BU to 2023
- 3. Land and Building Use**
4. Circulation and Open Space
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PLANNING HORIZONS

building capacity

RENOVATION:

Initiate major renovation projects at Bartle Library, Engineering Building, Fine Arts Building, Sciences Complex.

NEW CONSTRUCTION:

Catalyze major renovations while expanding capacity and showcasing unique BU programs.

sustained growth

RENOVATION:

Continue major renovation projects initiated during the building capacity period.

NEW CONSTRUCTION:

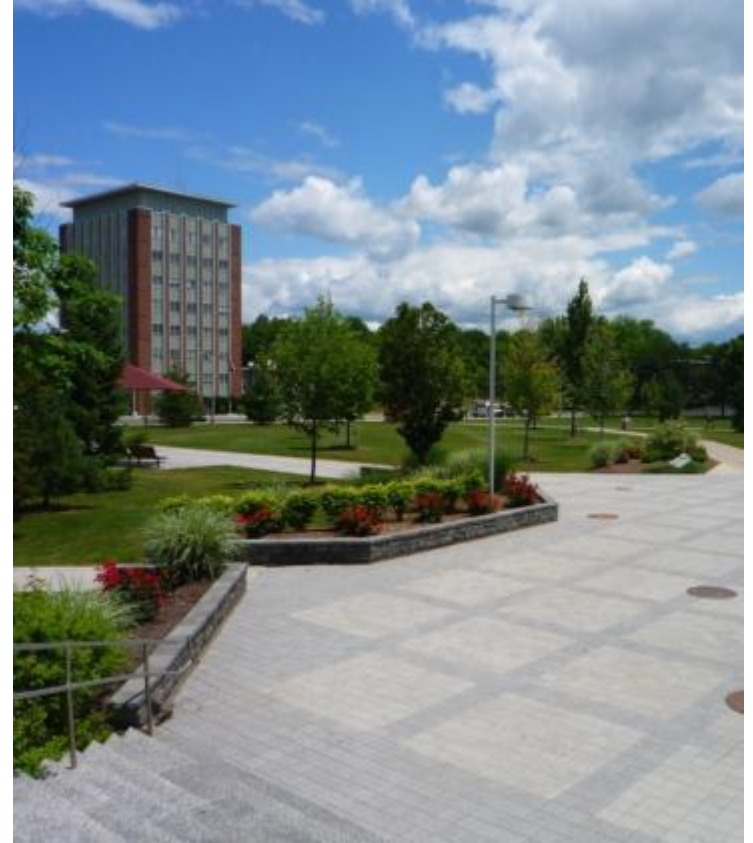
Focus on capacity expansion with continued emphasis on showcasing unique BU programs.

LAND AND BUILDING USE

KEY THEMES THROUGHOUT

support contemporary learning environments

- Align facilities with a range of **contemporary pedagogical strategies**
- Upgrade learning environments for **modern technologies**
- Integrate **“soft” gathering and study spaces** throughout the campus to support informal learning

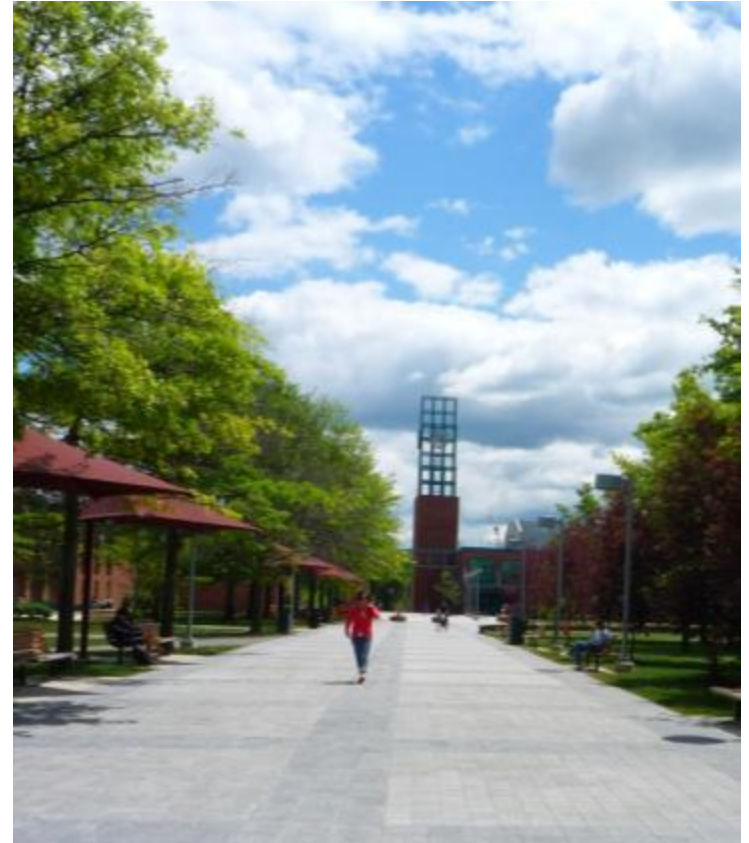


LAND AND BUILDING USE

KEY THEMES THROUGHOUT

highlight the spirit of Binghamton University

- An **elite public university**
- Campus that features access to **unique natural resources**
- Fostering **inquiry and discovery** with a student-centric focus
- Rich diversity with a commitment to the **global perspective**



LAND AND BUILDING USE

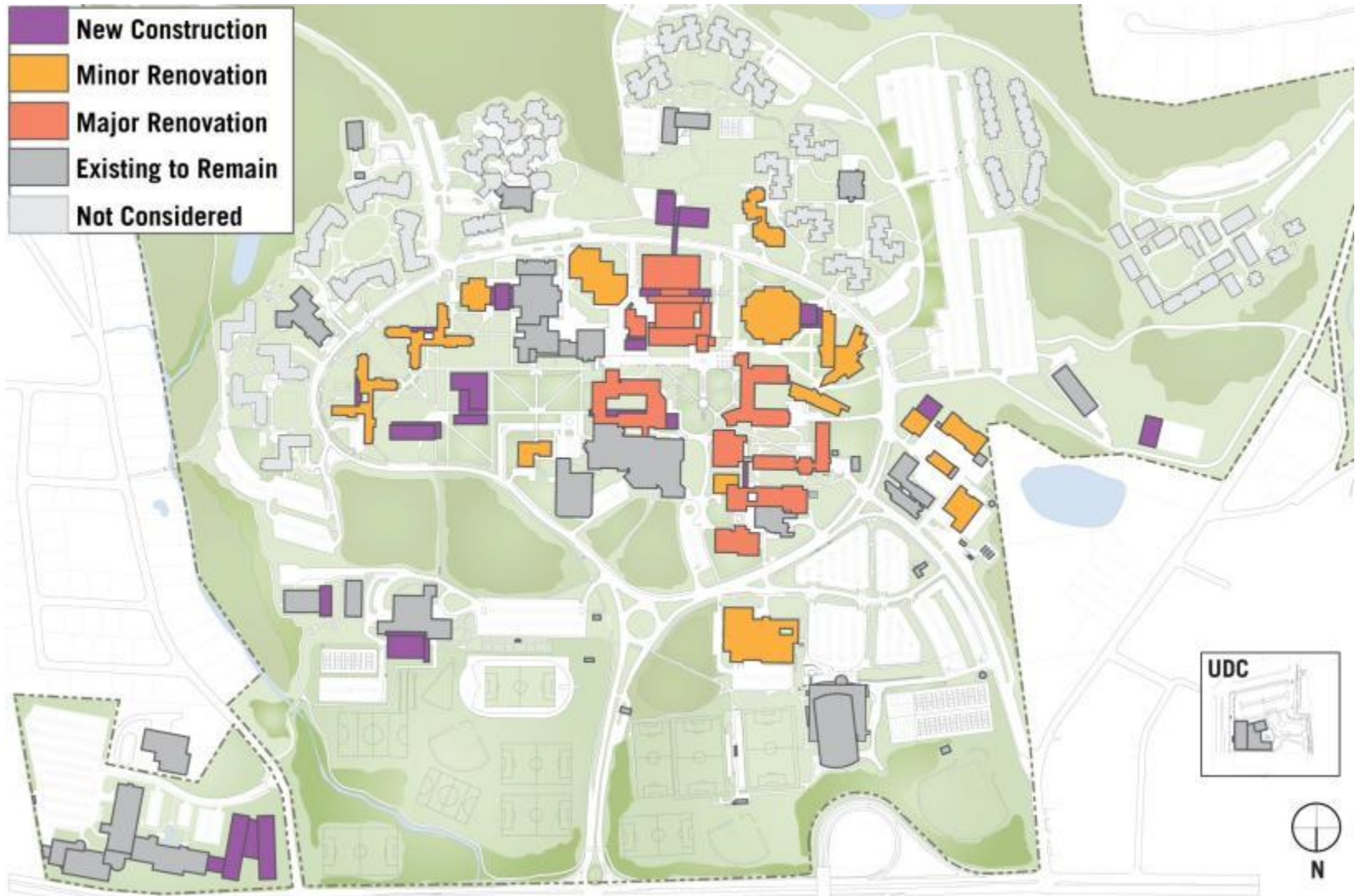
PROGRAM FAMILIES



LAND AND BUILDING USE

Building Capacity Period

FACILITIES INVESTMENT



LAND AND BUILDING USE

HARPUR FINE ARTS, HUMANITIES, SOCIAL SCIENCES, MATH

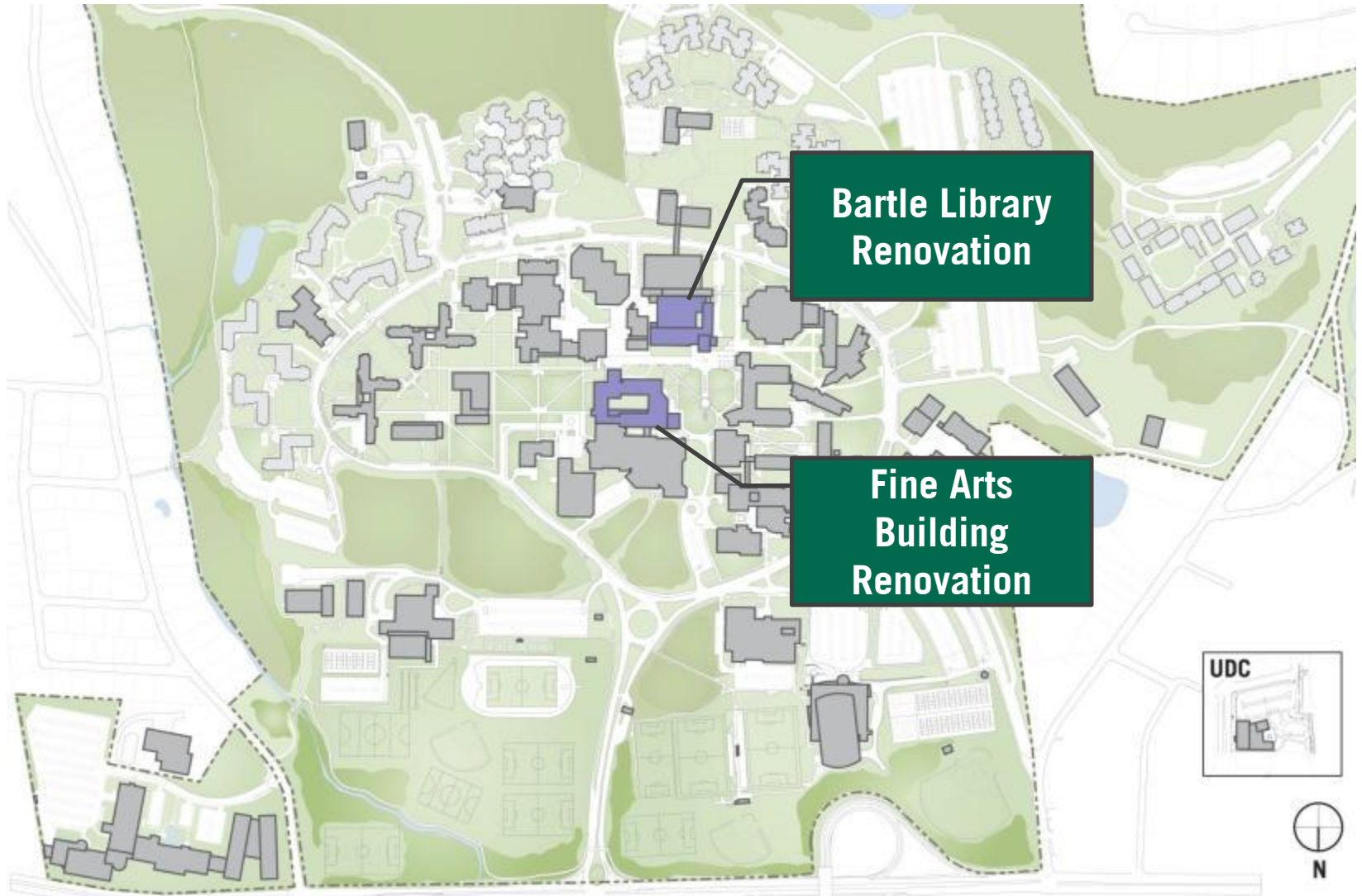
Harpur Fine Arts, Humanities, Social Sciences, Math
Harpur Sciences & Anthropology
Watson Engineering
Professional Programs
Classrooms & Computer Labs
Centers, Institutes, Grant Funded Programs
Libraries
Student Activities & Services, Administration, ITS
Athletics, Recreation, Health & Wellness Services
Campus Services, Building Services

goals

- **Renovate and upgrade legacy facilities** at Bartle Library and Fine Arts Building
- Expand academic facilities at the **new Interdisciplinary Academic Center**
- Showcase the University's commitment to internationalization at the **new Globalization Center**

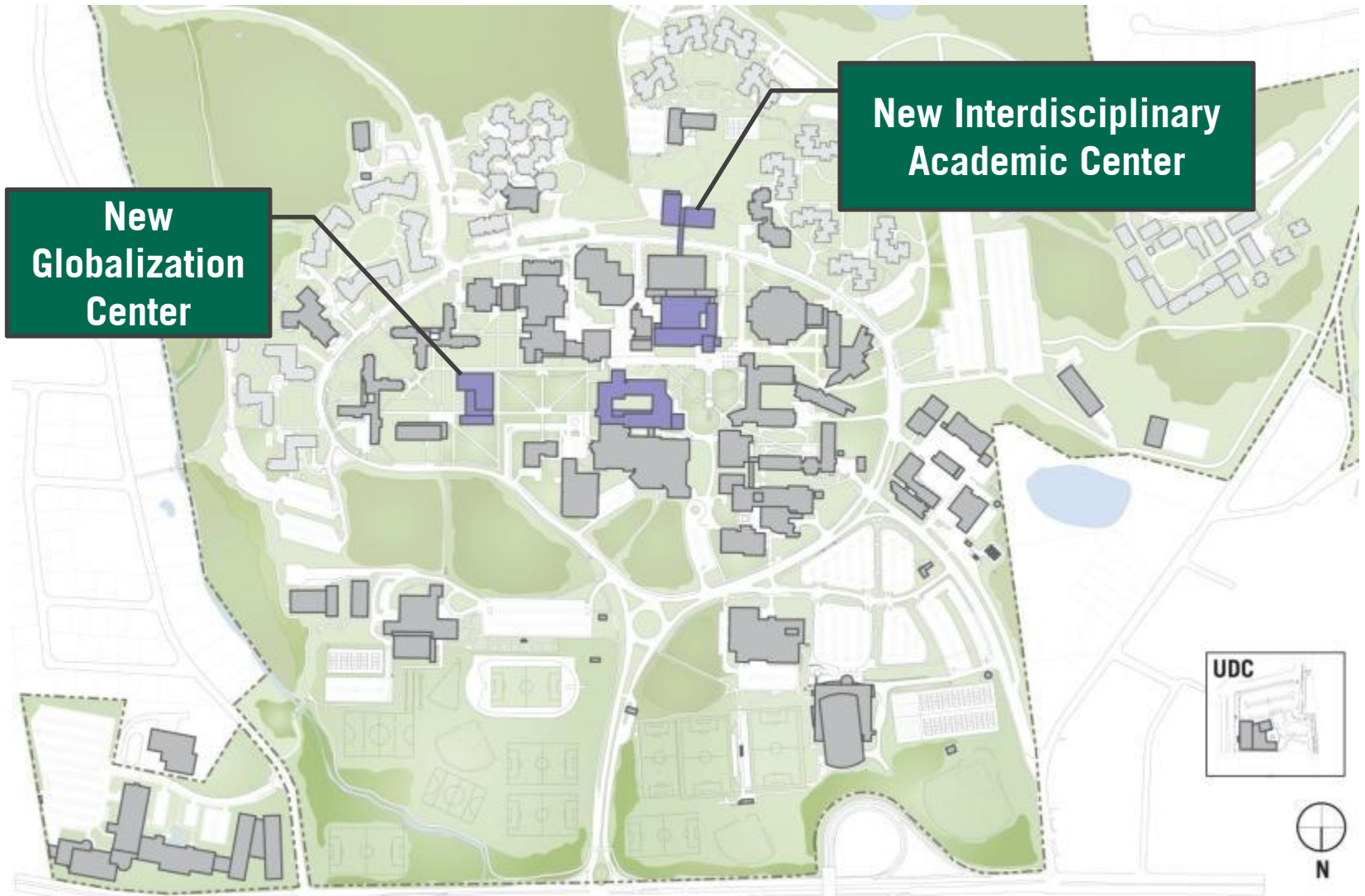
LAND AND BUILDING USE

HARPUR FINE ARTS, HUMANITIES, SOCIAL SCIENCES, MATH Projects



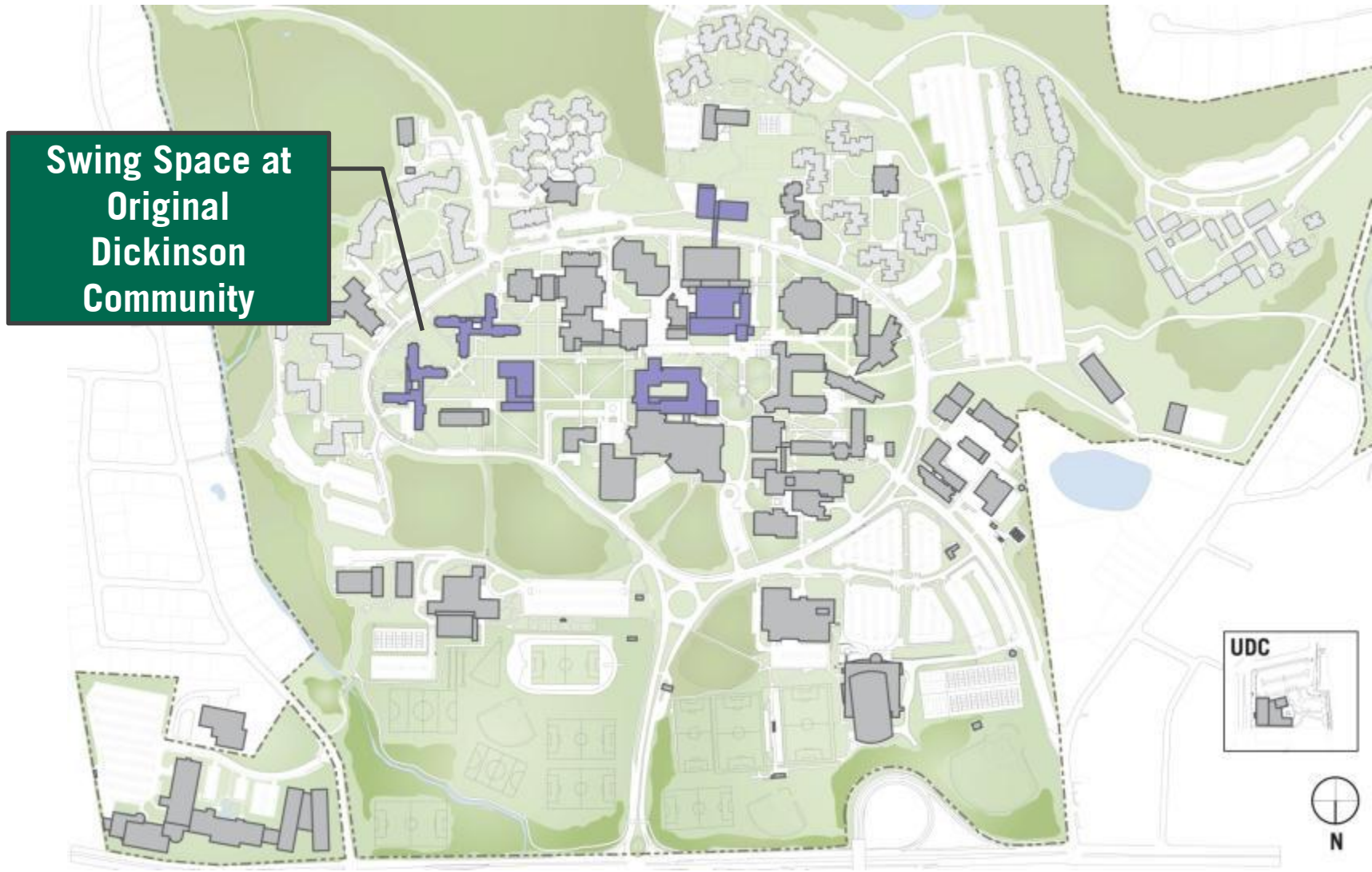
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HARPUR FINE ARTS, HUMANITIES, SOCIAL SCIENCES, MATH Projects



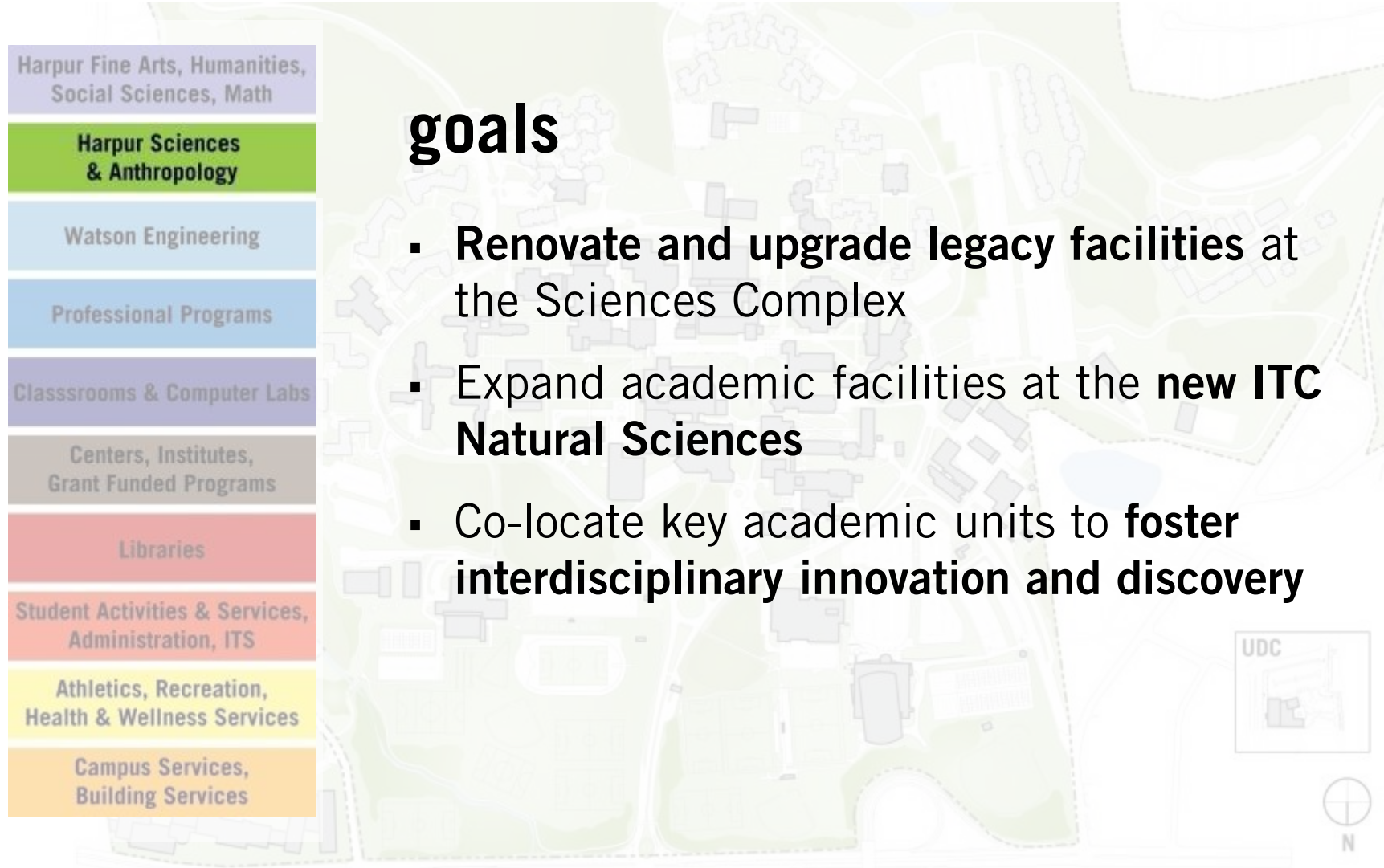
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HARPUR FINE ARTS, HUMANITIES, SOCIAL SCIENCES, MATH Projects



LAND AND BUILDING USE

HARPUR SCIENCES AND ANTHROPOLOGY



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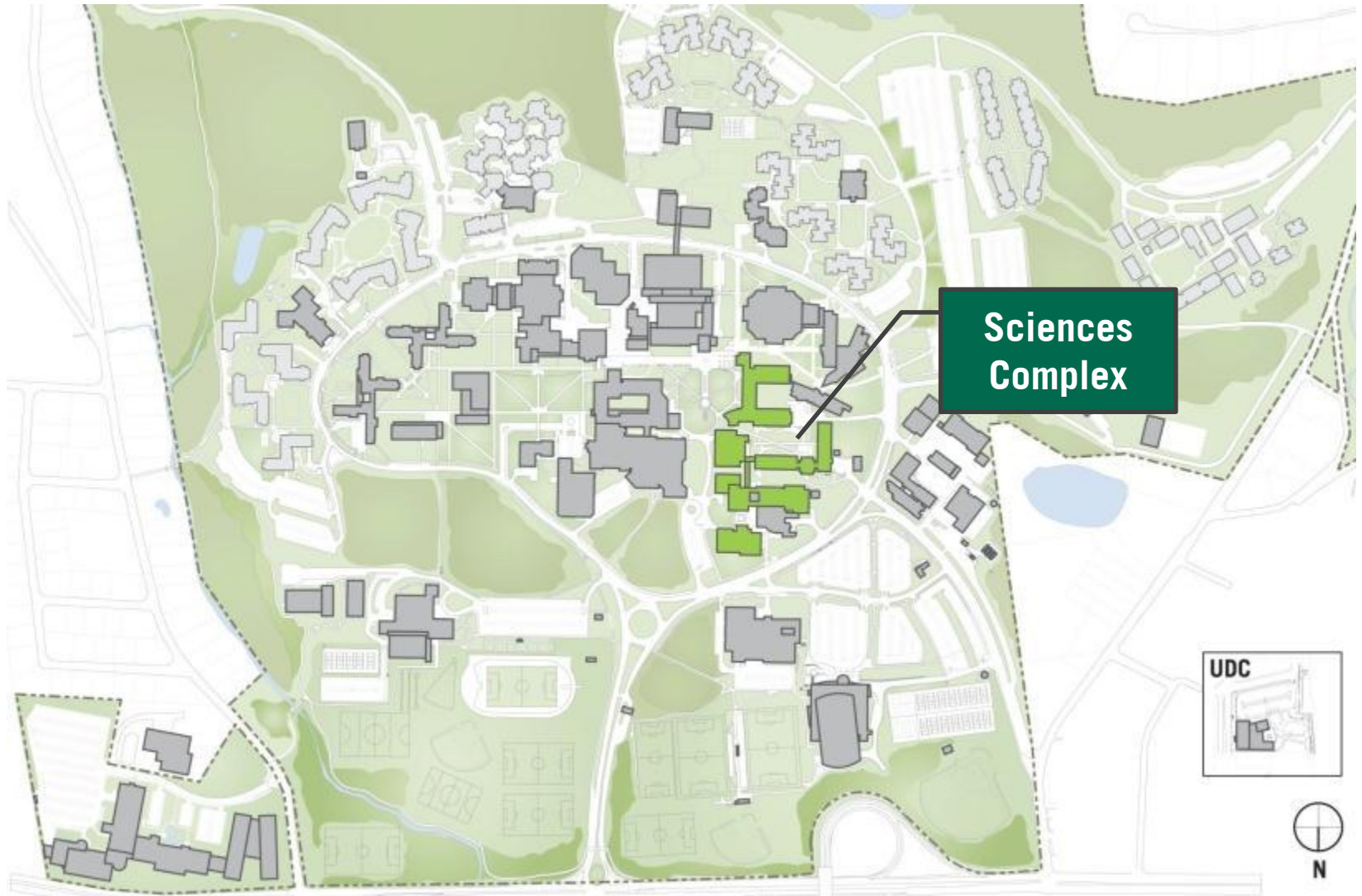
goals

- **Renovate and upgrade legacy facilities** at the Sciences Complex
- Expand academic facilities at the **new ITC Natural Sciences**
- Co-locate key academic units to **foster interdisciplinary innovation and discovery**



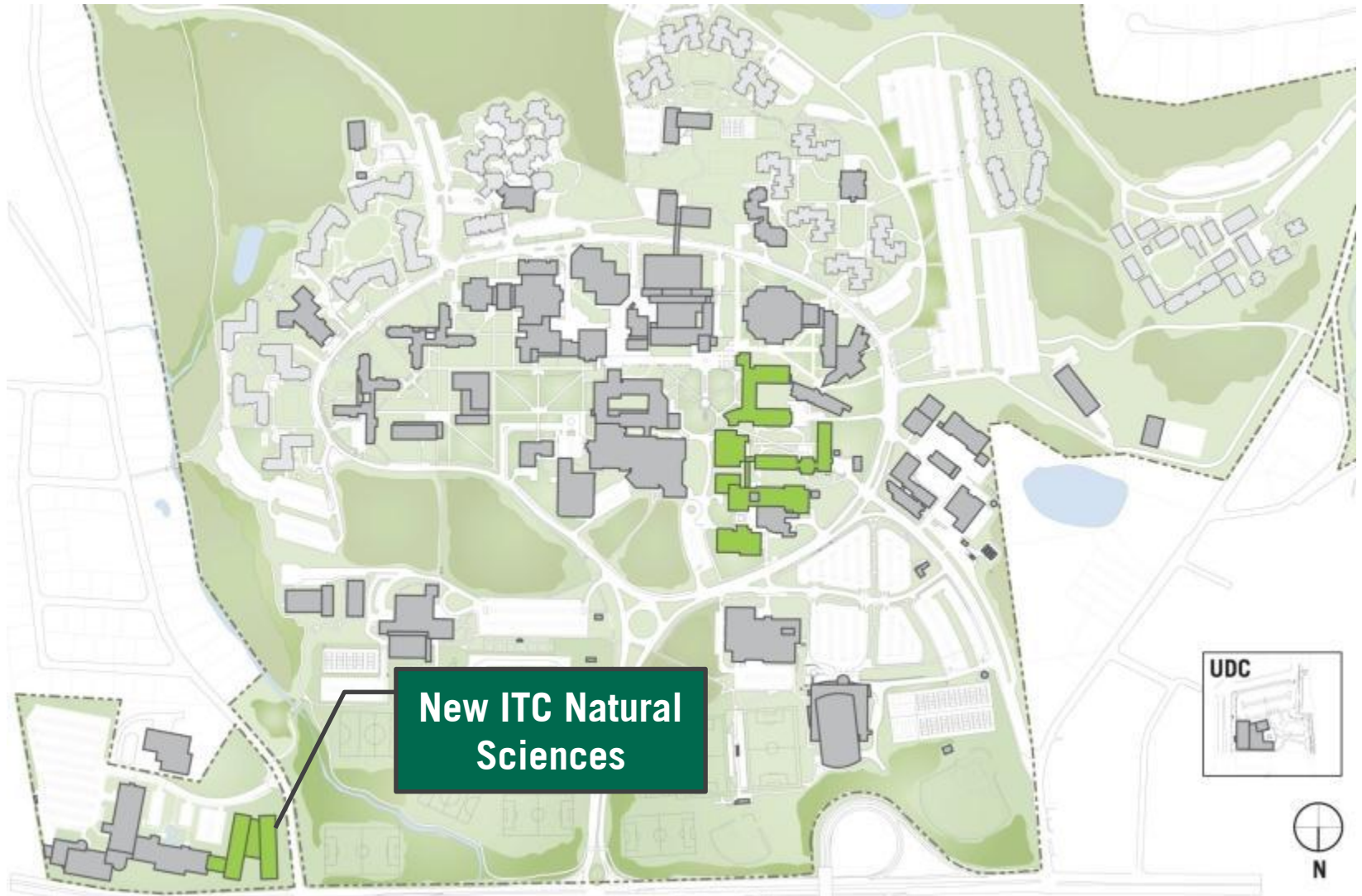
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HARPUR SCIENCES AND ANTHROPOLOGY Projects



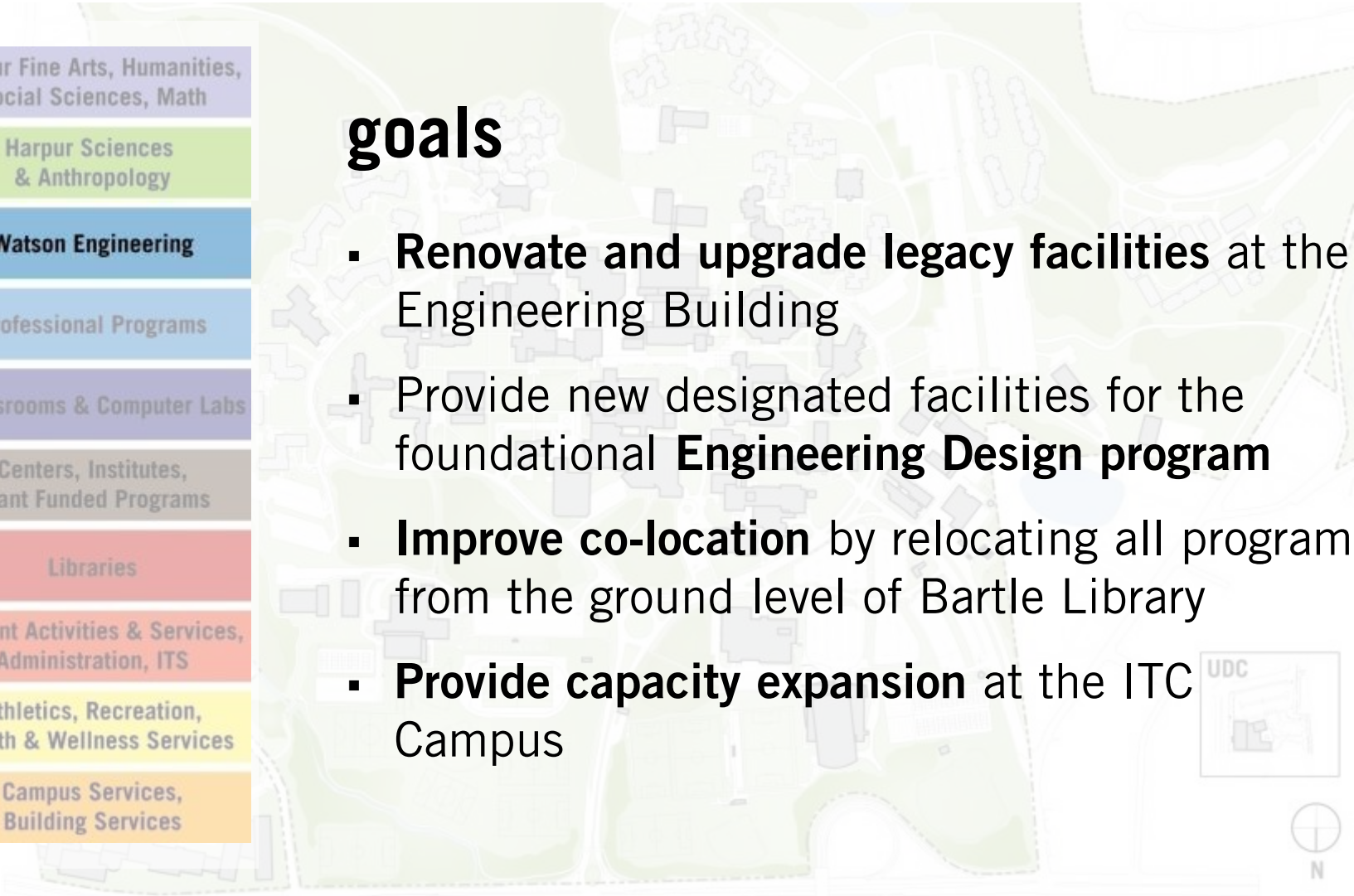
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HARPUR SCIENCES AND ANTHROPOLOGY Projects



LAND AND BUILDING USE

WATSON ENGINEERING



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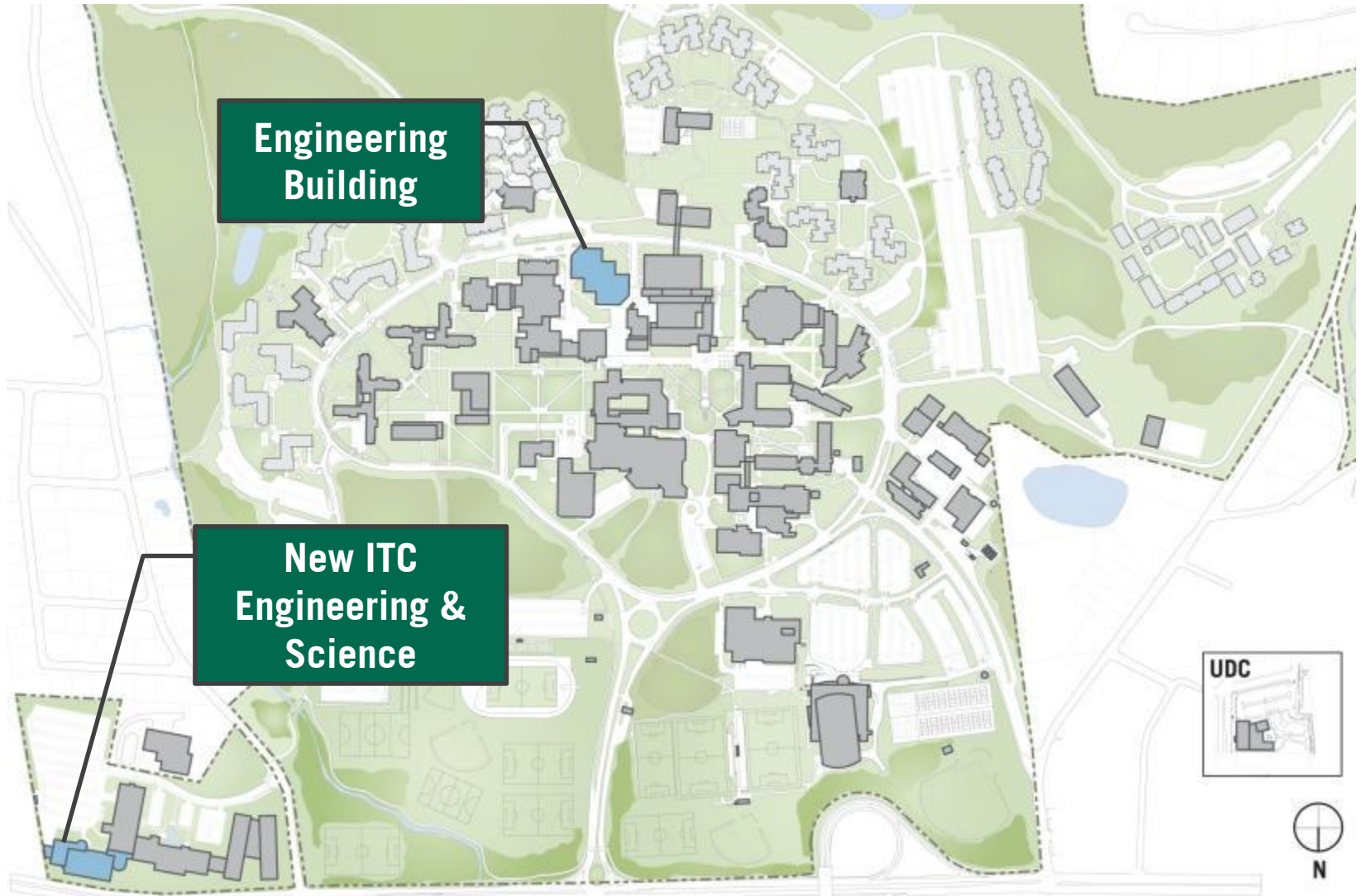
goals

- **Renovate and upgrade legacy facilities** at the Engineering Building
- Provide new designated facilities for the foundational **Engineering Design program**
- **Improve co-location** by relocating all program from the ground level of Bartle Library
- **Provide capacity expansion** at the ITC Campus



LAND AND BUILDING USE

WATSON ENGINEERING Projects



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PROFESSIONAL PROGRAMS

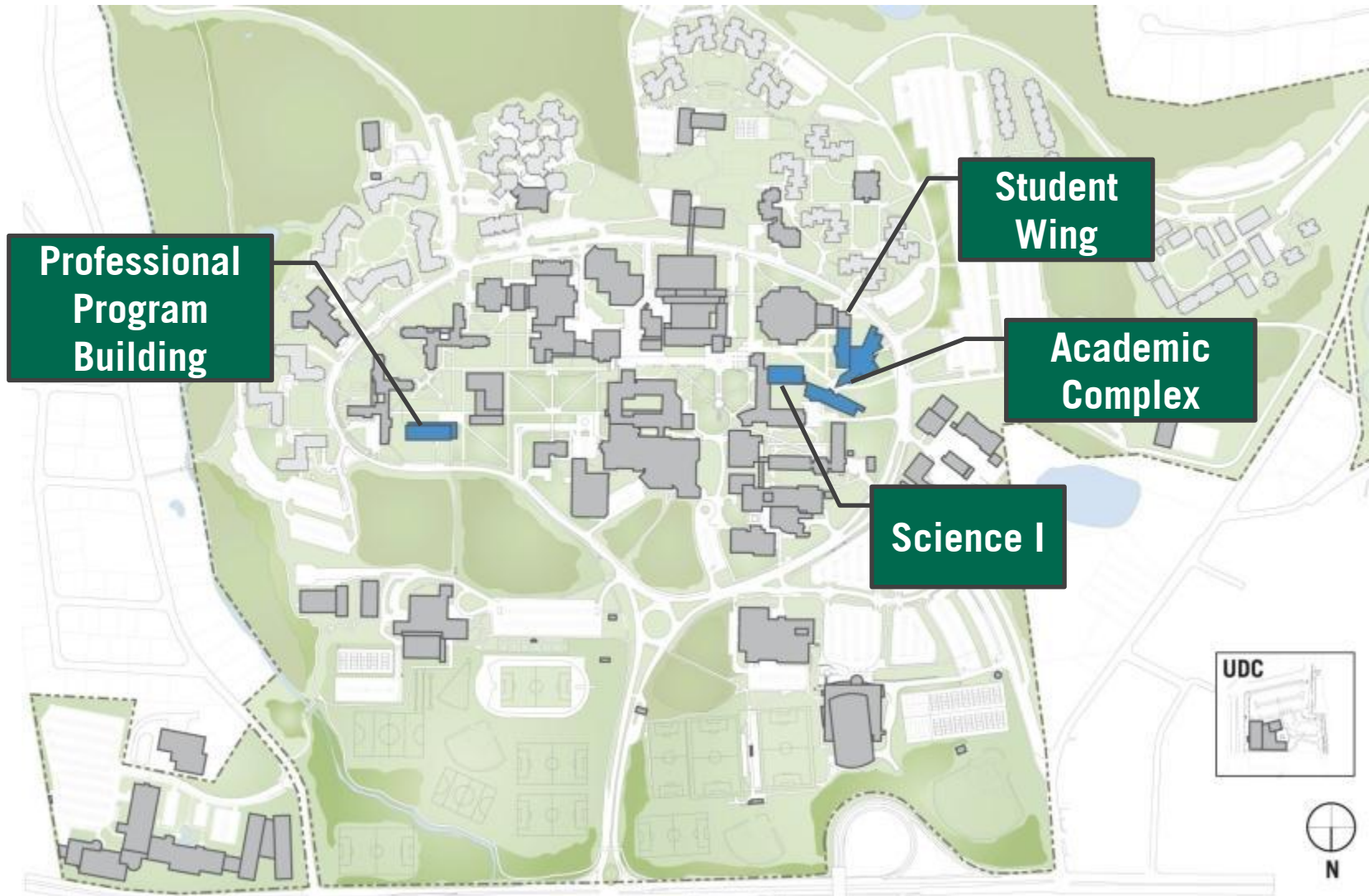
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goals

- **Provide capacity expansion** at the Academic Complex and in adjacent buildings
- With expansion, **upgrade for competitive laboratory facilities** that address changing technological needs
- **Construct a new School of Law** to support the academic school, assumption of off-campus location for planning
- **Construct a new Professional Program Building** for further capacity expansion

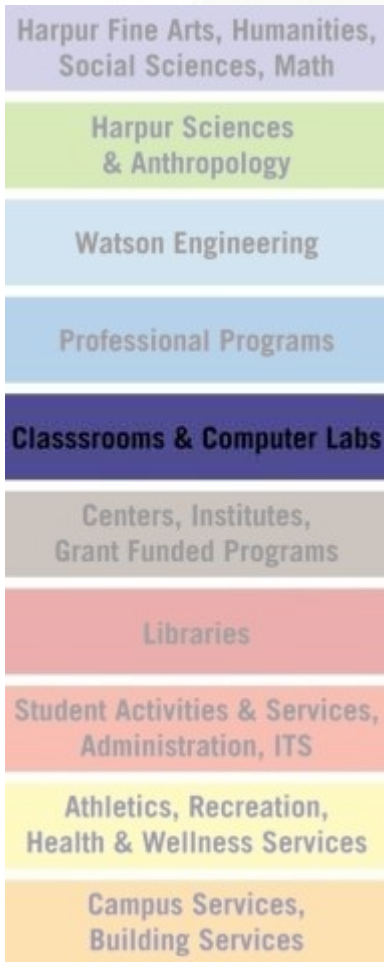
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PROFESSIONAL PROGRAMS Projects



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CLASSROOMS AND COMPUTER LABS



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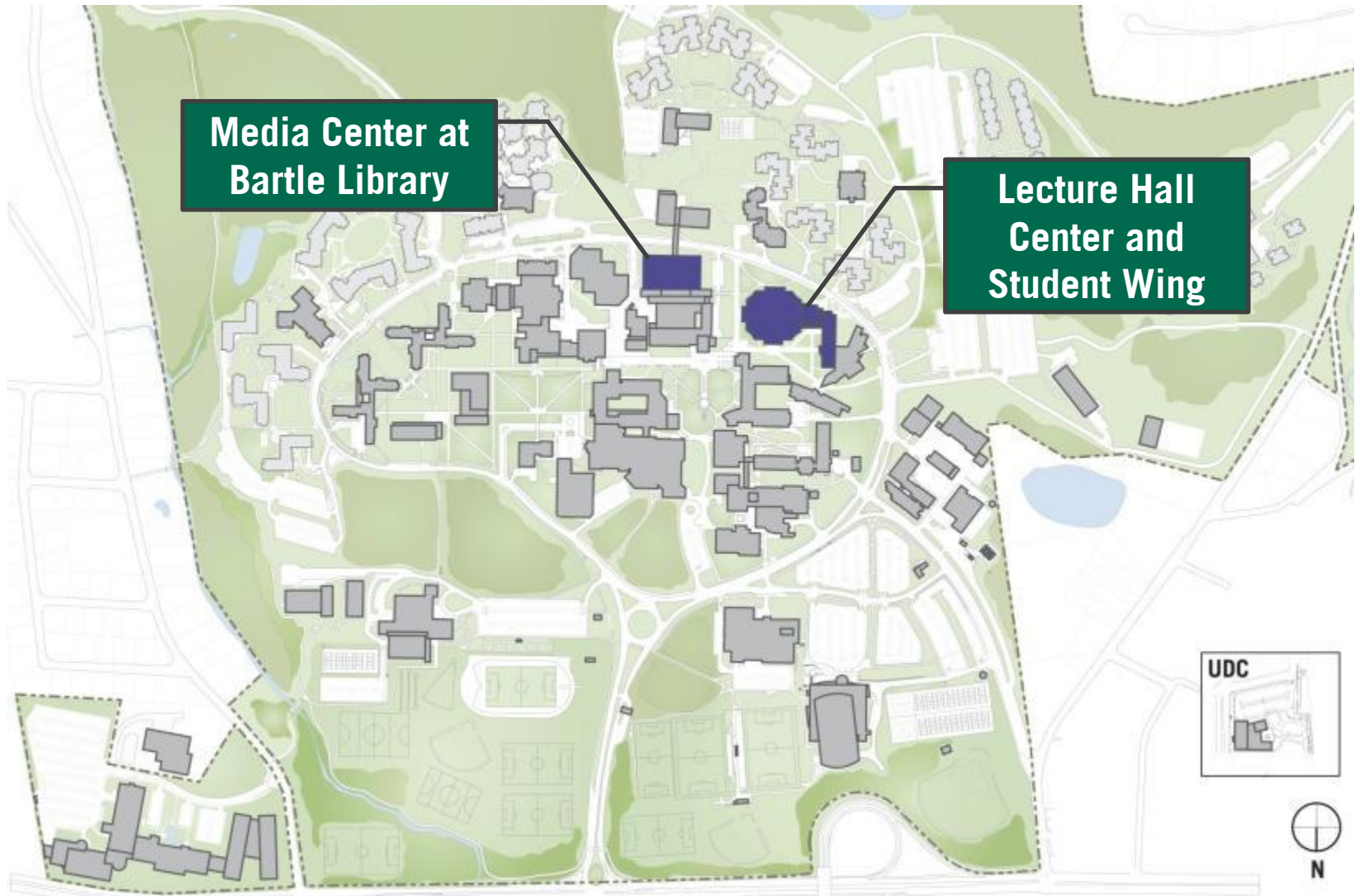
goals

- **Provide a variety of classrooms** to support a full range of contemporary instructional needs
- **Upgrade classrooms for technology** and provide designated media-rich rooms
- Renovate and replace classrooms to **improve the overall quality** of the University's inventory



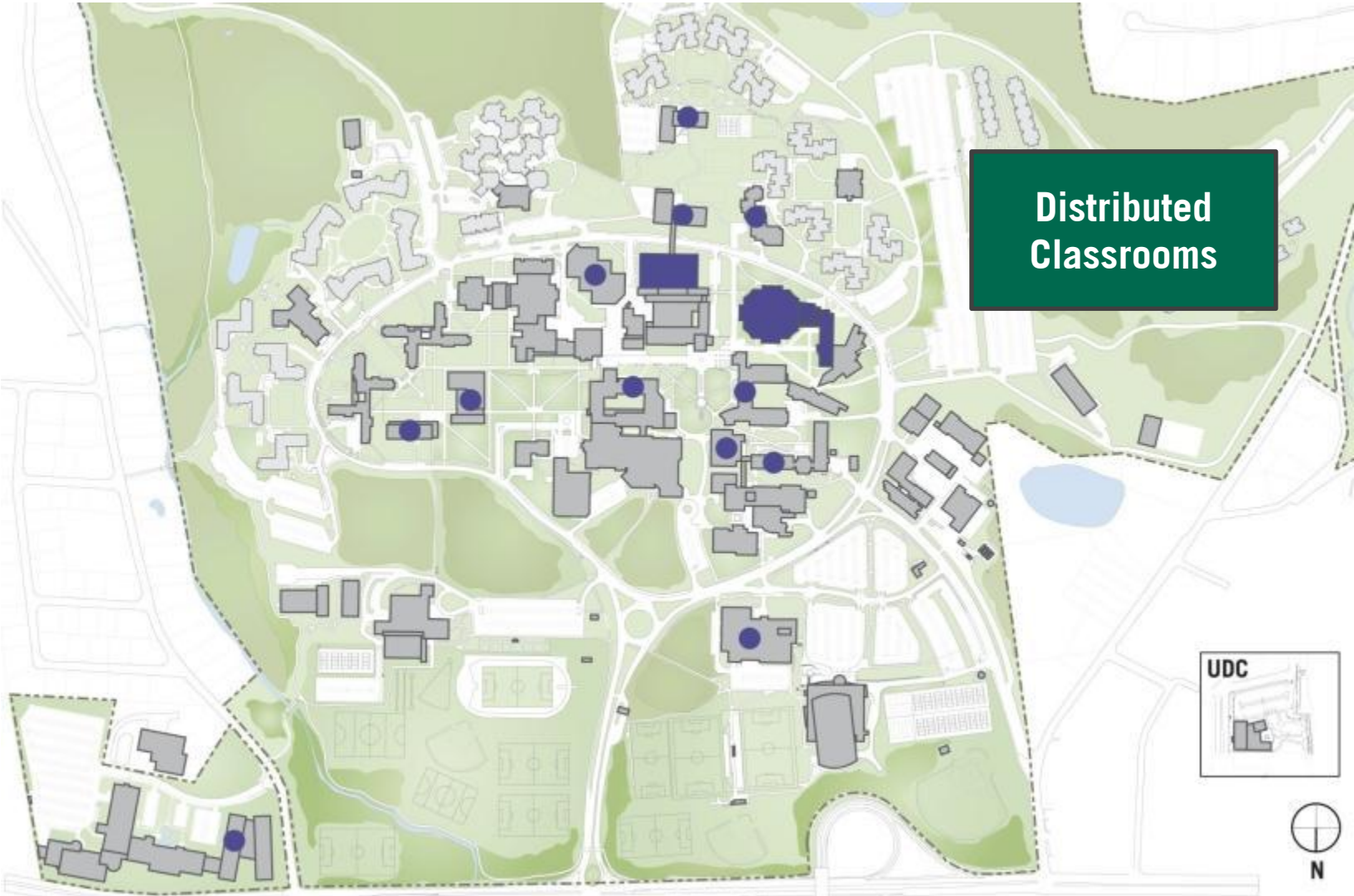
LAND AND BUILDING USE

CLASSROOMS AND COMPUTER LABS Projects



LAND AND BUILDING USE

CLASSROOMS AND COMPUTER LABS Projects



LAND AND BUILDING USE

CENTERS, INSTITUTES, GRANT FUNDED PROGRAMS

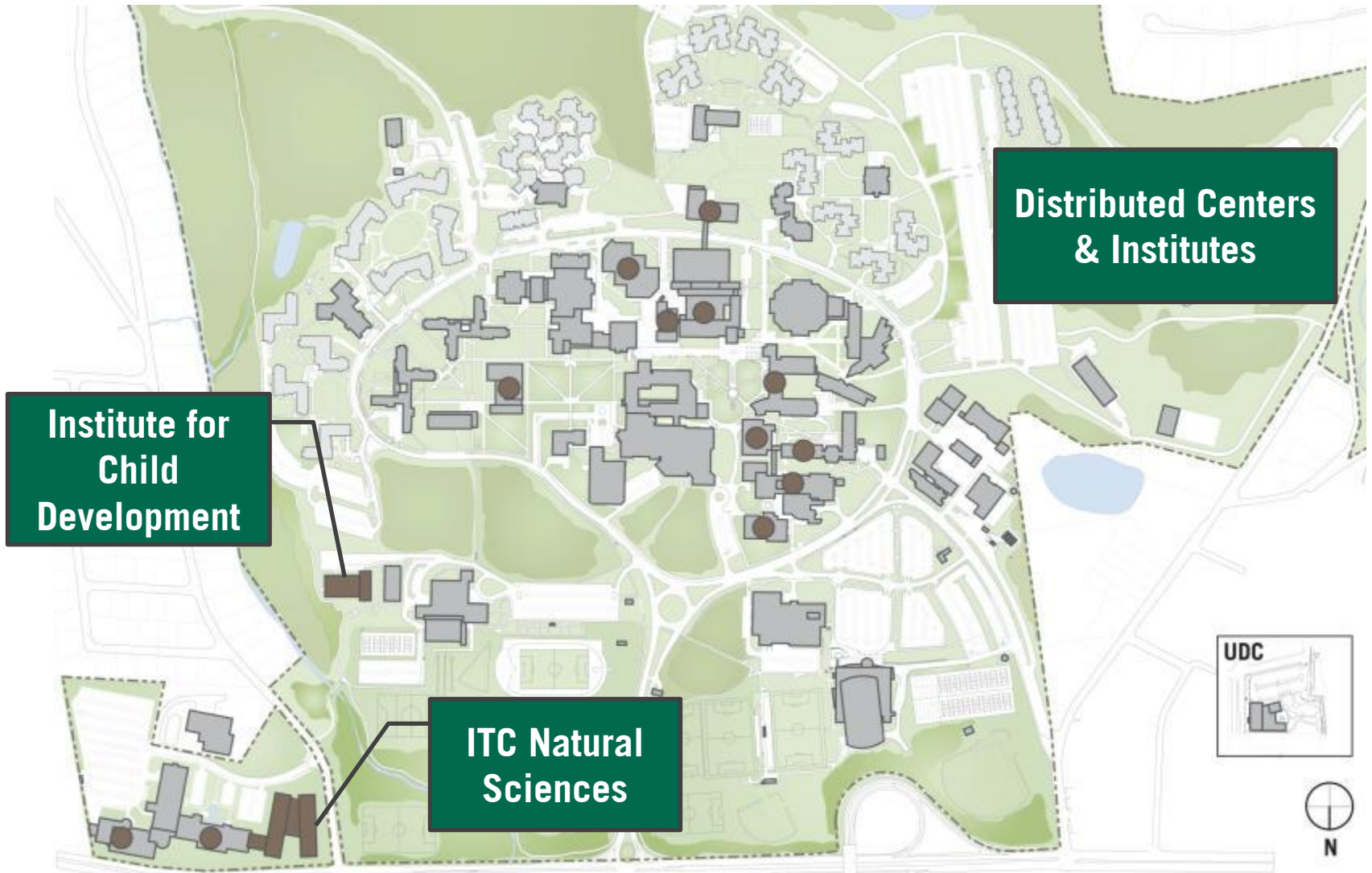
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goals

- **Provide state-of-the-art facilities** at the ITC Campus
- **Upgrade and expand facilities for existing programs** with renovation and new construction
- Encourage innovation and discovery by **providing seed-space** for centers and institutes


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CENTERS, INSTITUTES, GRANT FUNDED PROGRAMS Projects



LAND AND BUILDING USE

LIBRARIES



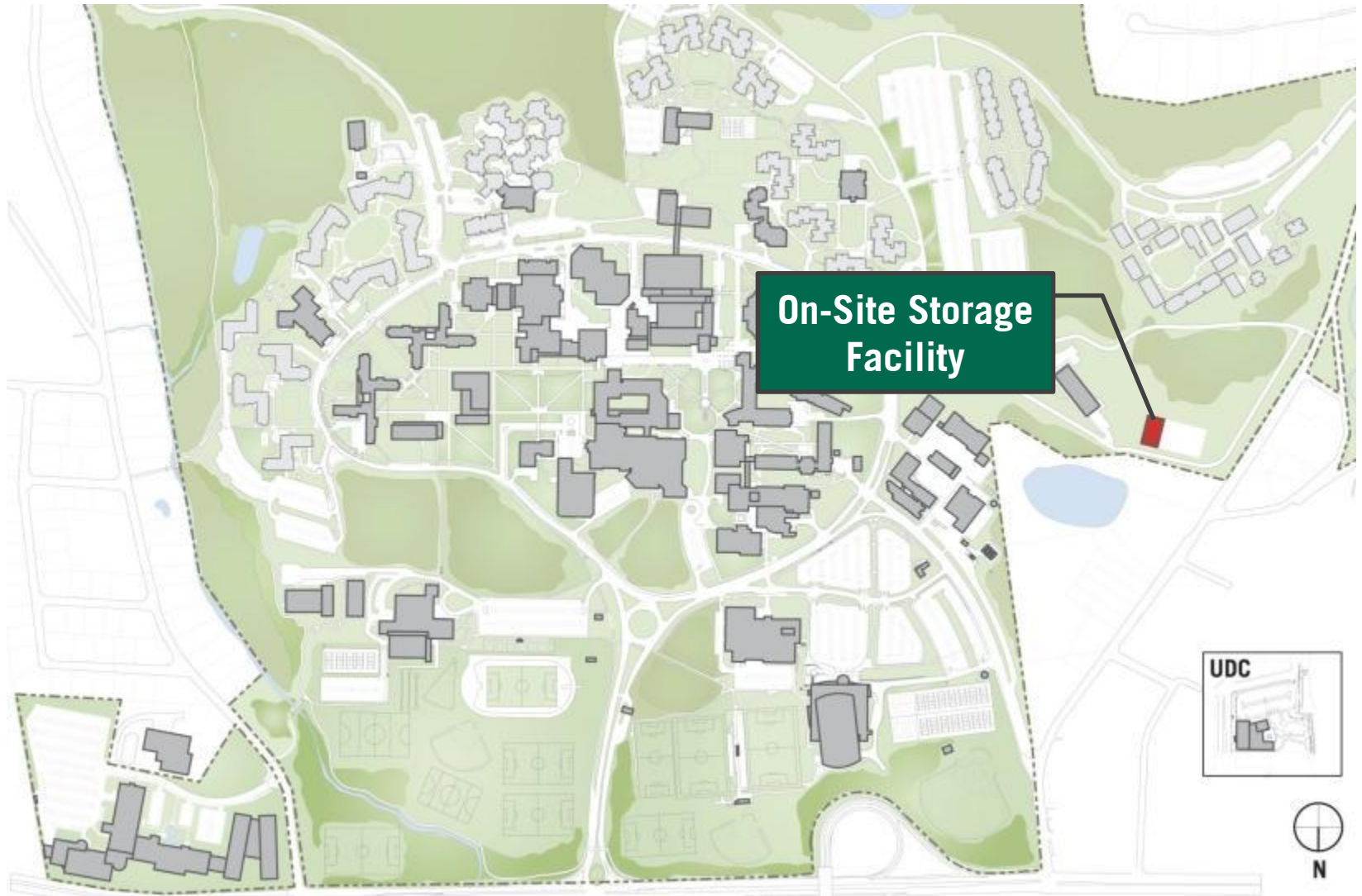
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goals

- Emphasize the library's role as the center of the intellectual community with **spaces that foster inquiry and collaboration**
- **Consolidate physical collections** from on-campus and off-campus at an on-site storage facility
- **Renovate and upgrade legacy facilities** at Bartle Library

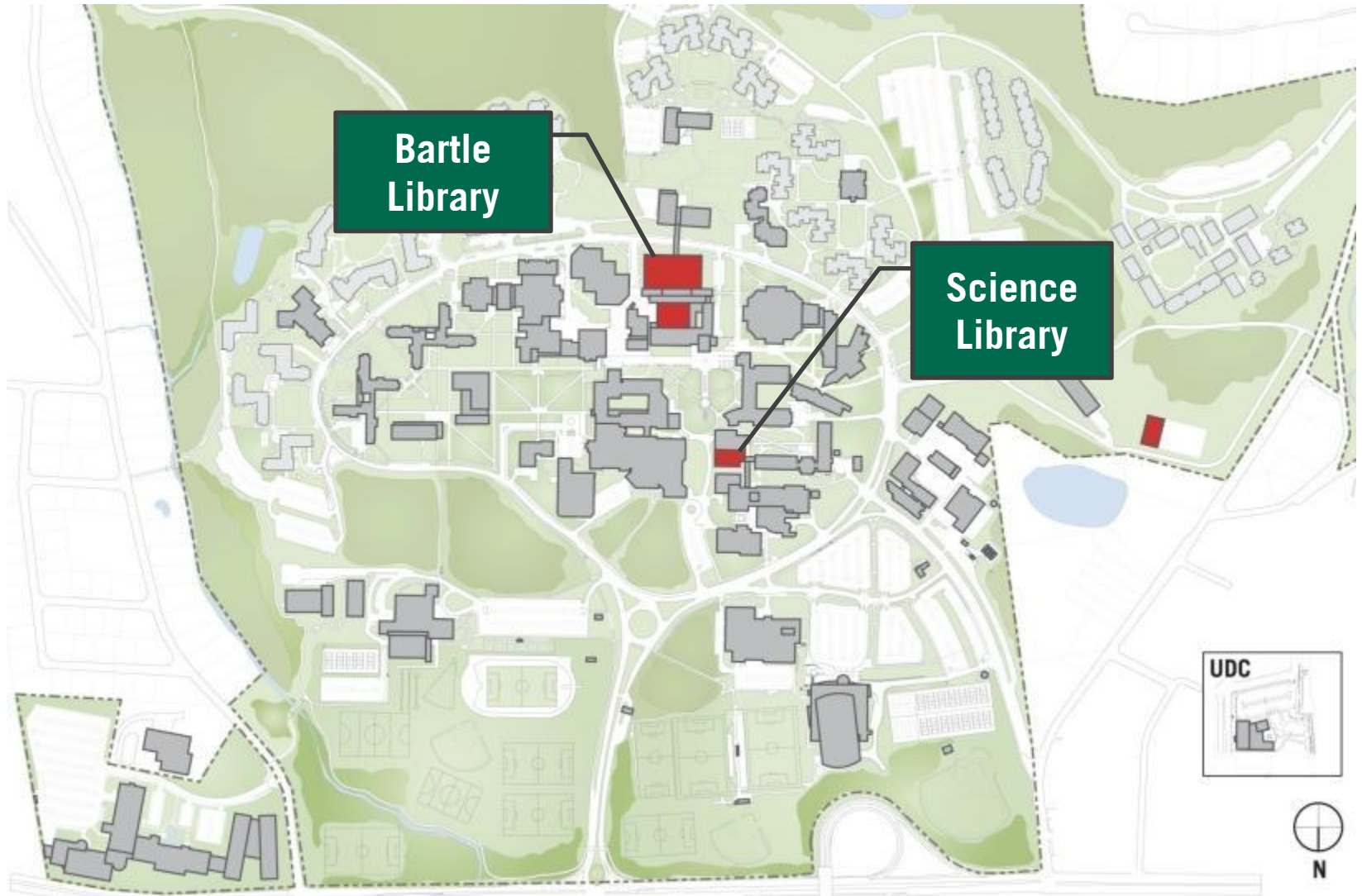
LAND AND BUILDING USE

LIBRARIES Projects



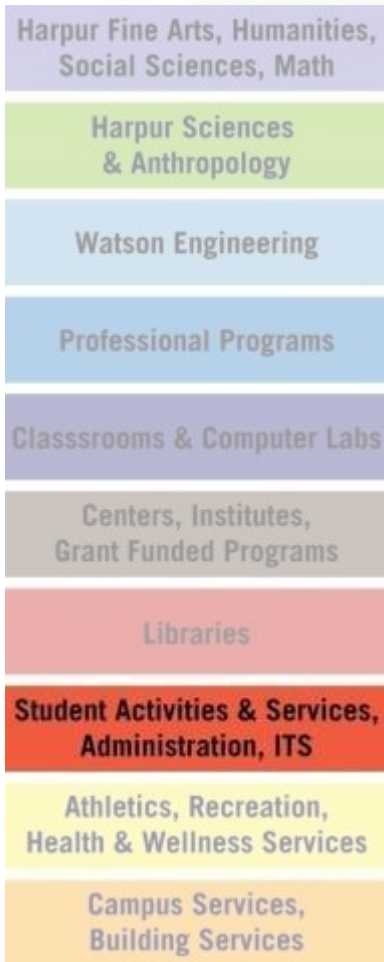
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LIBRARIES Projects



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STUDENT ACTIVITIES & SERVICES, ADMINISTRATION, ITS

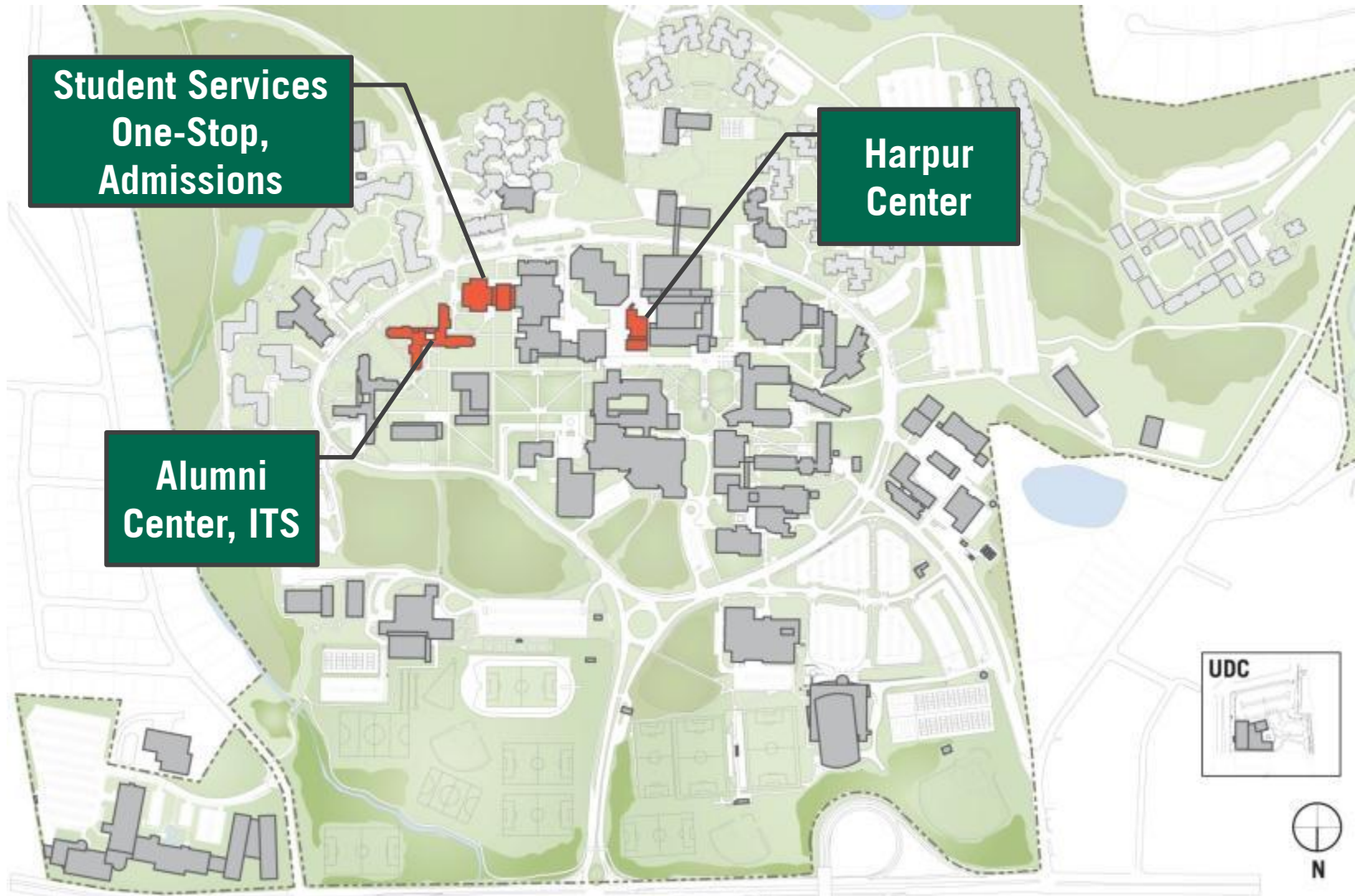


goals

- **Co-locate student service functions** (admissions, registrar, financial aid, etc.) for improved service
- **Provide alumni presence** at a designated Alumni Center
- Feature BU's history in liberal arts at a new **Harpur Center for student advising and key innovative programs**
- Showcase the BU's commitment to internationalization at the **new Globalization Center**
- Maintain a **distributed model of student academic support services**

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STUDENT ACTIVITIES & SERVICES, ADMINISTRATION, ITS Projects



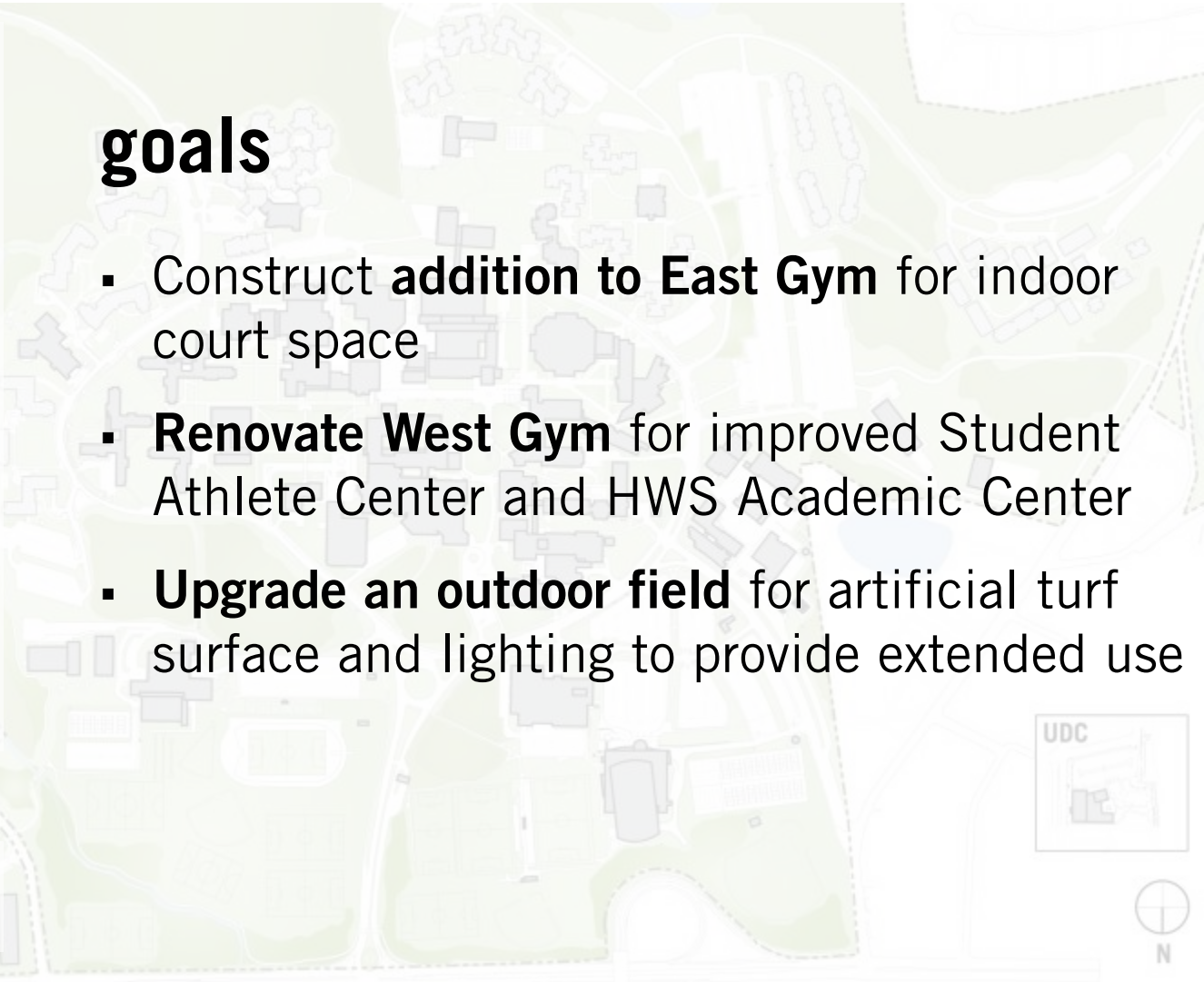
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STUDENT ACTIVITIES & SERVICES, ADMINISTRATION, ITS Projects



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ATHLETICS, RECREATION, HEALTH & WELLNESS SERVICES



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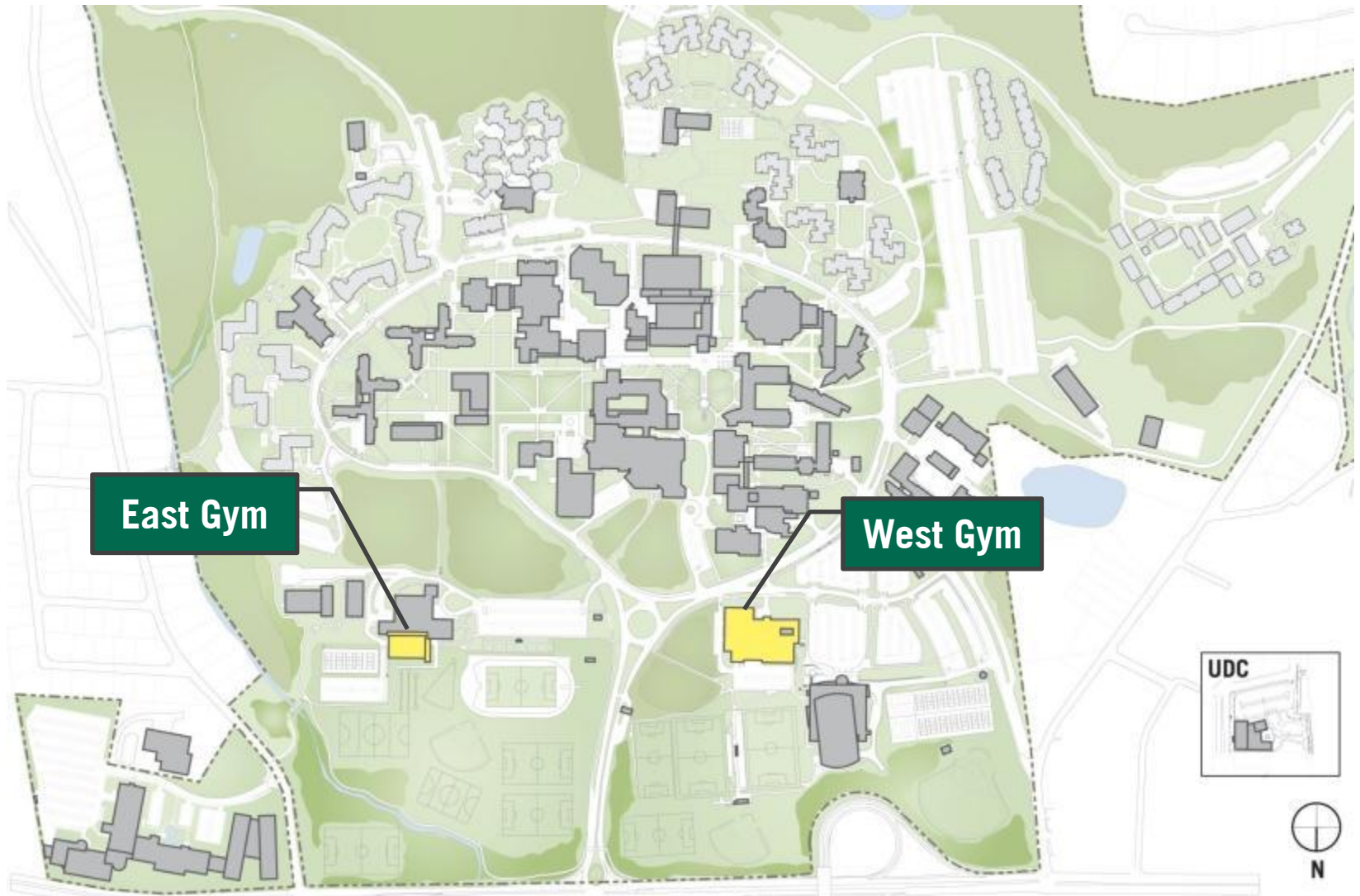
goals

- Construct **addition to East Gym** for indoor court space
- **Renovate West Gym** for improved Student Athlete Center and HWS Academic Center
- **Upgrade an outdoor field** for artificial turf surface and lighting to provide extended use



LAND AND BUILDING USE

ATHLETICS, RECREATION, HEALTH & WELLNESS SERVICES Projects



LAND AND BUILDING USE

CAMPUS SERVICES, BUILDING SERVICES

Harpur Fine Arts, Humanities,
Social Sciences, Math

Harpur Sciences
& Anthropology

Watson Engineering

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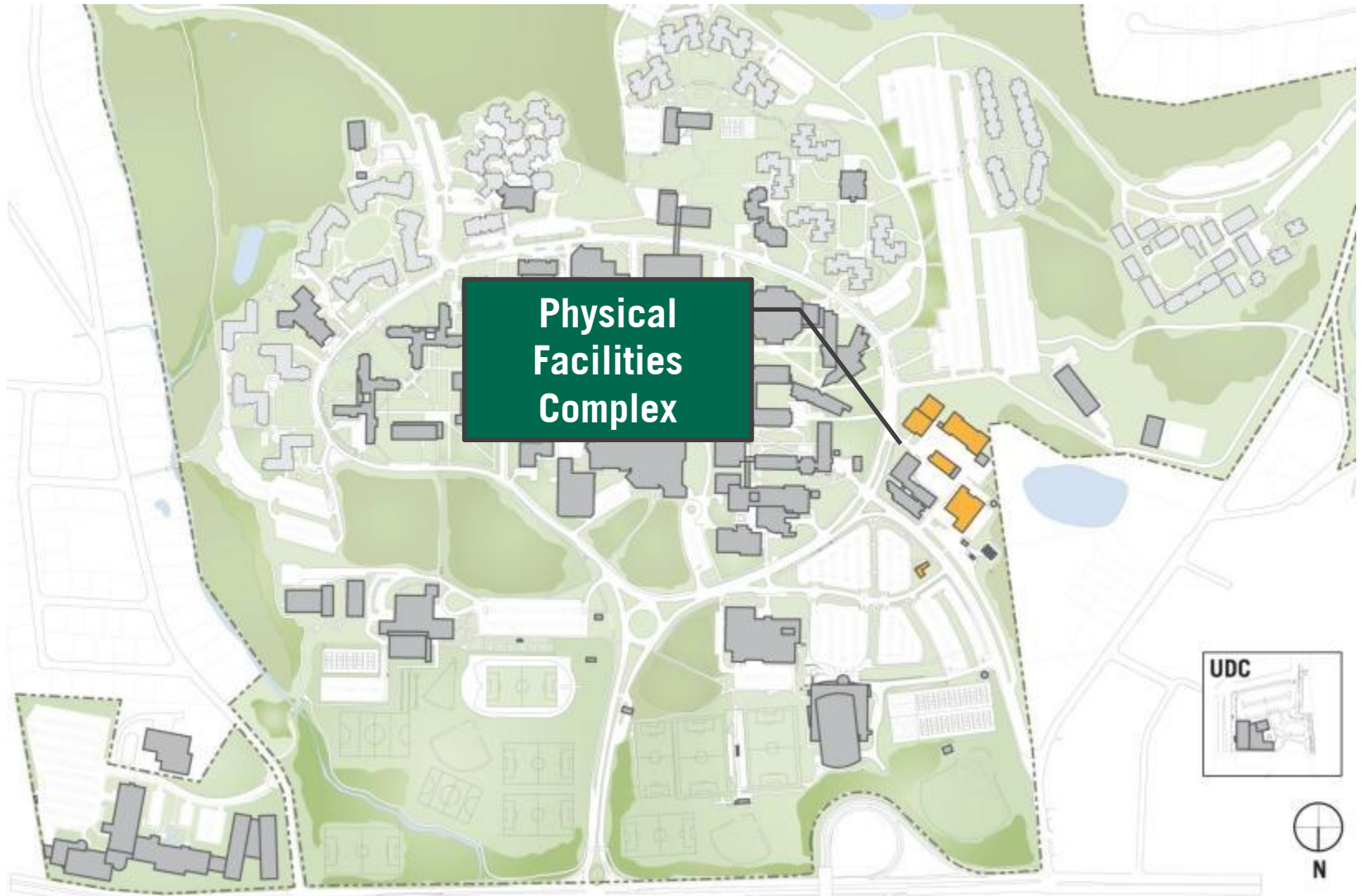
Campus Services,
Building Services

goals

- **Upgrade Central Heating Plant** to provide increased capacity around a model of sustainability
- Renovate legacy facilities at the Physical Facilities Complex to **maximize their useful capacity**

LAND AND BUILDING USE

CAMPUS SERVICES, BUILDING SERVICES Projects

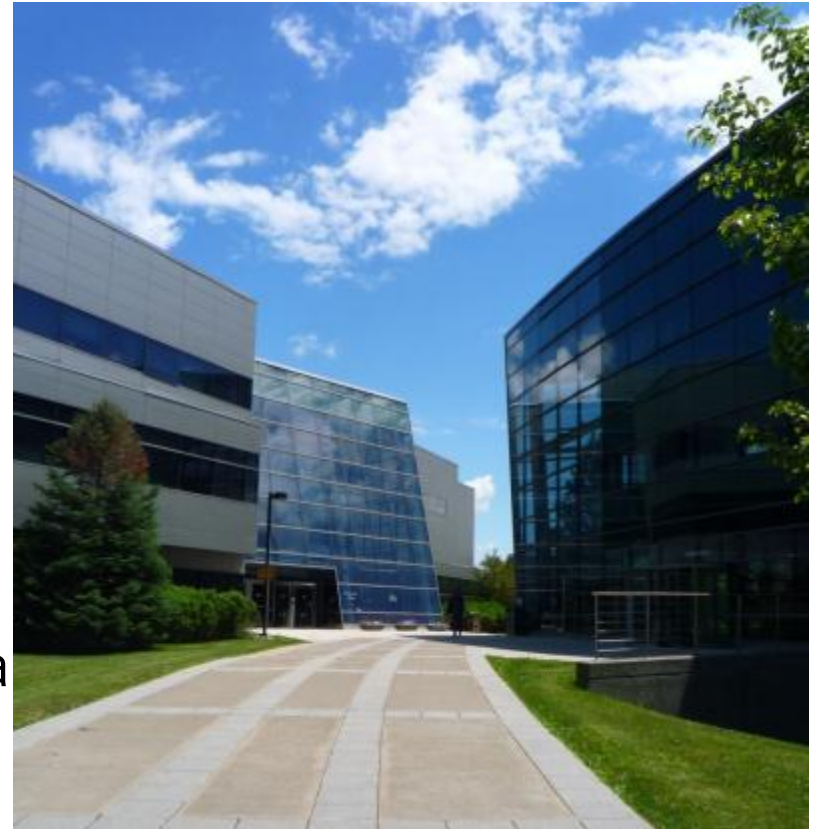


LAND AND BUILDING USE

Sustained Growth Period

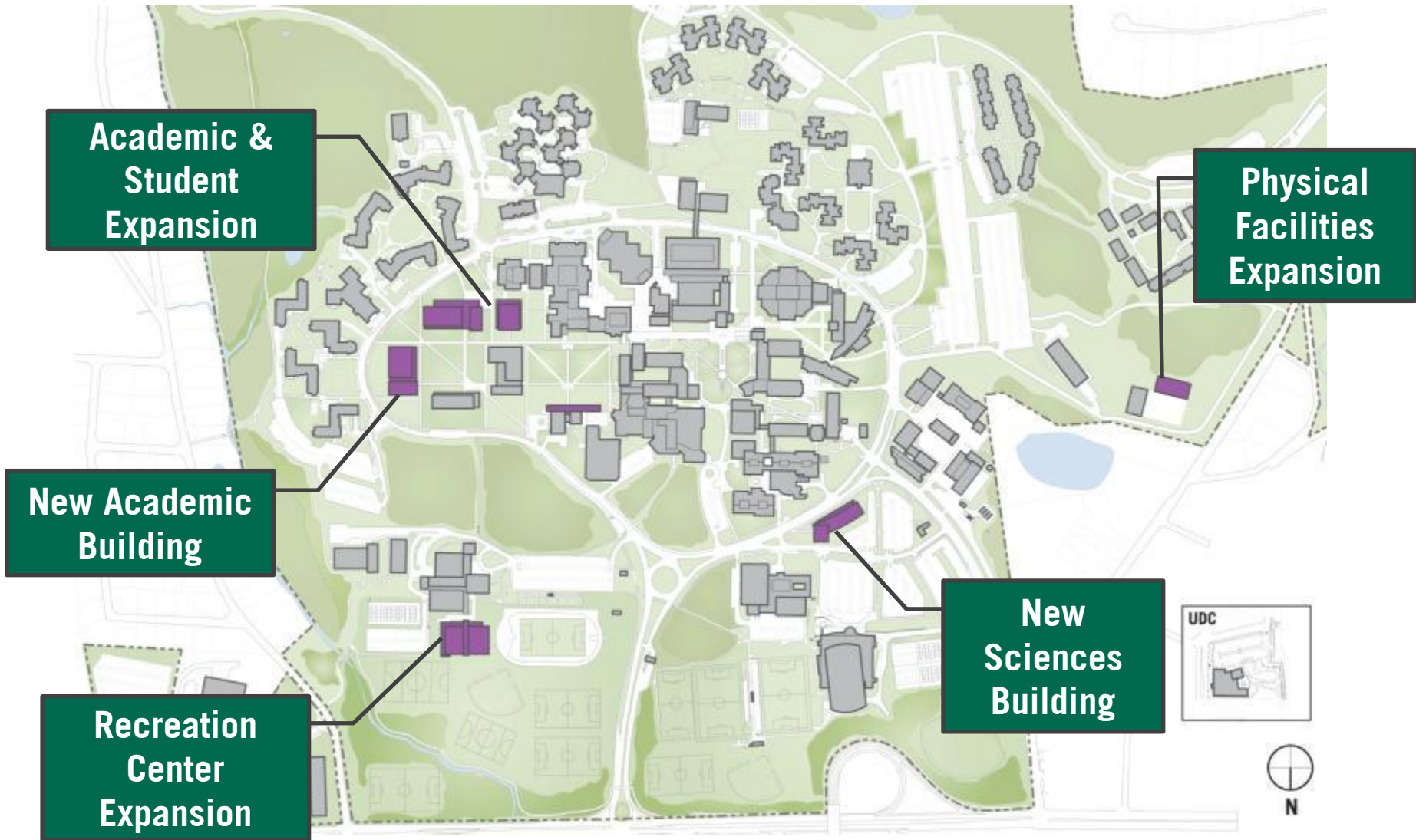
PROGRAMMATIC GOALS

1. Major capacity expansion for **Liberal Arts, Sciences, and Engineering** programs with two new buildings
2. Support for student population growth with new **student center** and **recreation facilities**
3. Support campus operations with **Physical Facilities expansion** and a co-located facility for **Campus Safety departments**



LAND AND BUILDING USE

KEY DEVELOPMENT SITES



LAND AND BUILDING USE

1. Overview of Project Intent and Process
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- 4. Circulation and Open Space**
5. Implementation

OPEN SPACE AND CIRCULATION OBJECTIVES

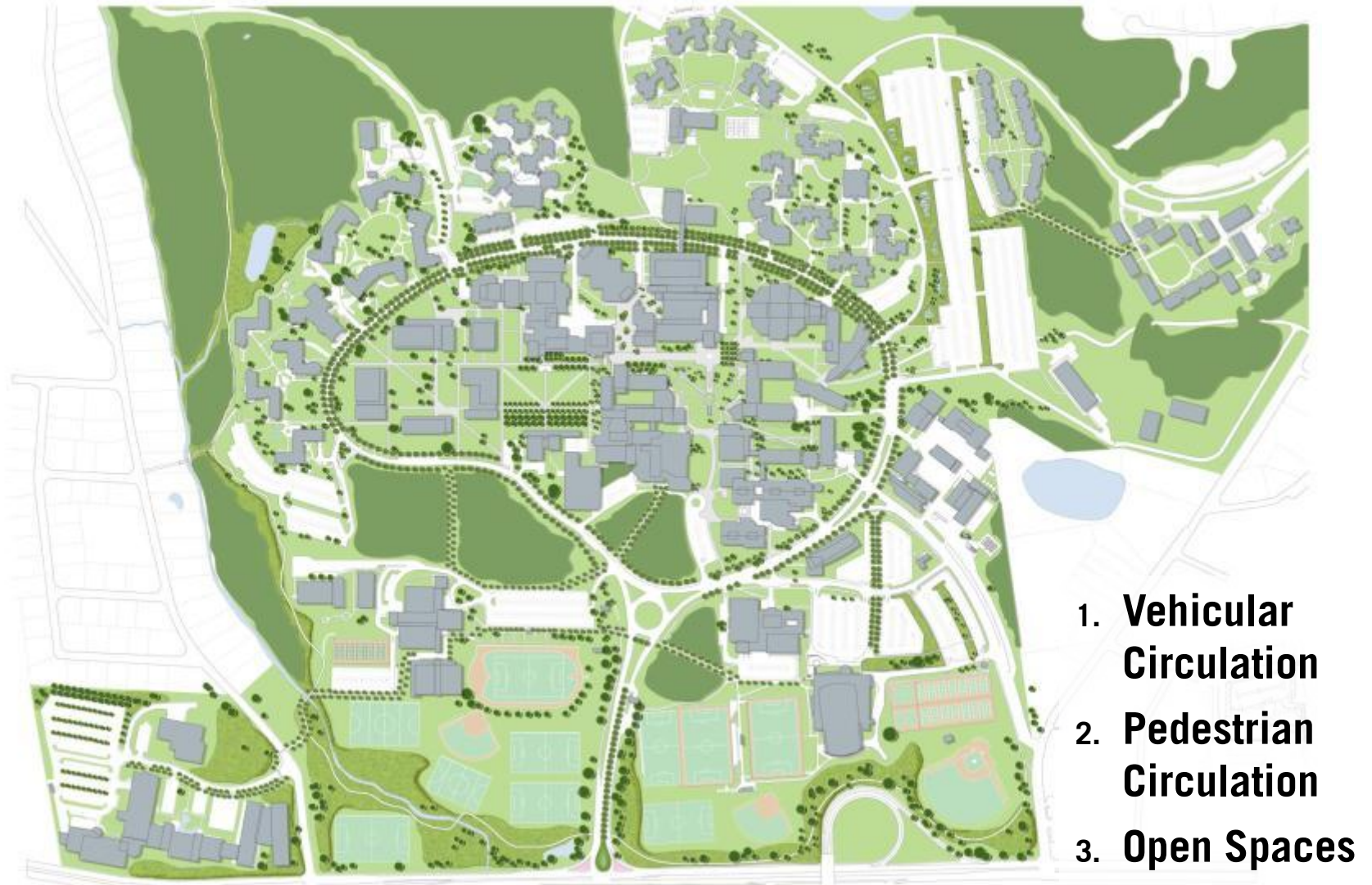
enhance the campus' unique sense of place

- **Clarify circulation and wayfinding** on campus for all users
- Provide a **variety of space types** to support a range of activities
- Showcase and enhance both **formal and natural landscape** features
- **Incorporate sustainable strategies** into campus landscape and circulation



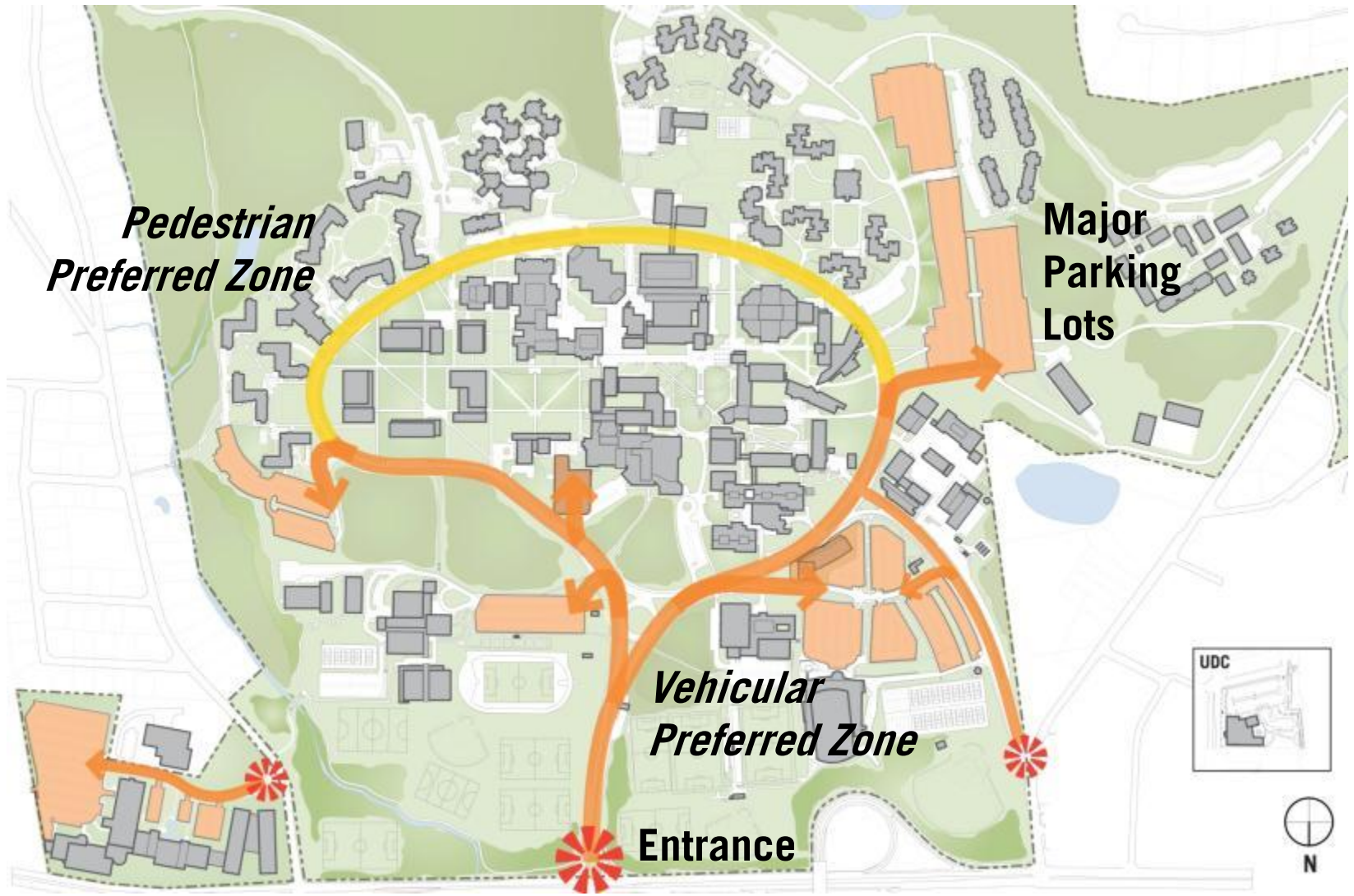
CIRCULATION AND OPEN SPACE

CONCEPTUAL SITE PLAN



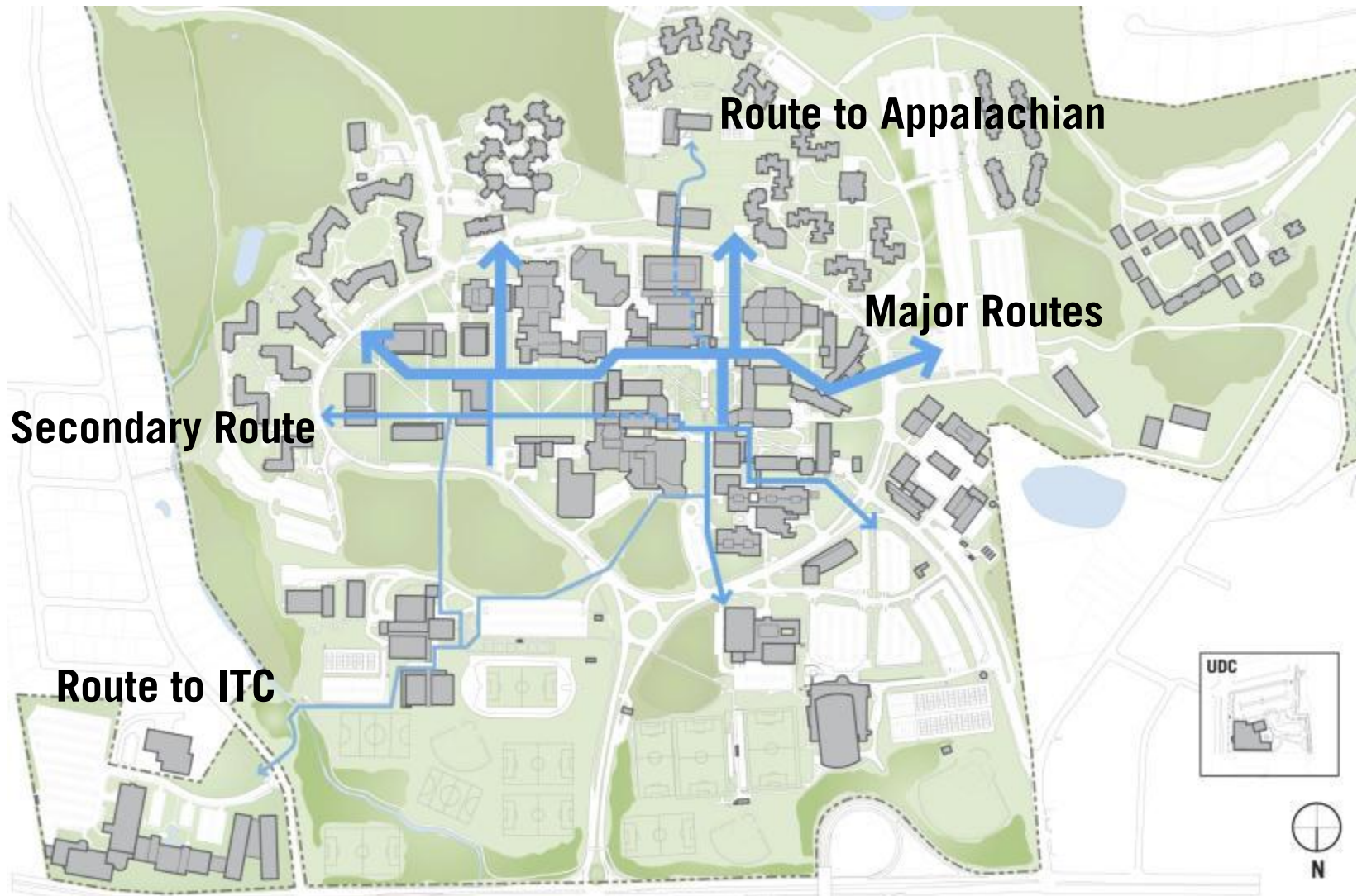
CIRCULATION AND OPEN SPACE

VEHICULAR CIRCULATION FRAMEWORK



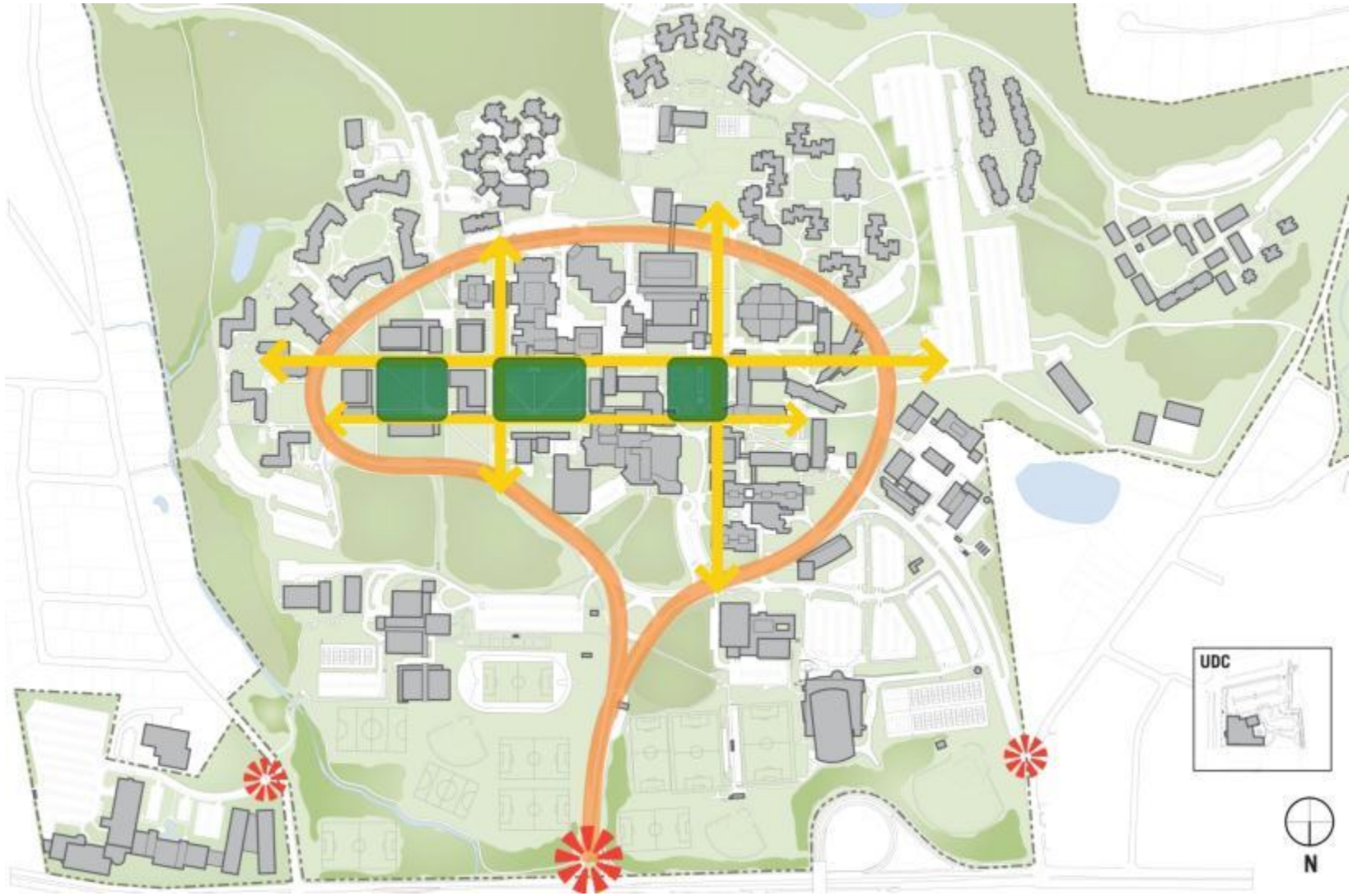
CIRCULATION AND OPEN SPACE

PEDESTRIAN CIRCULATION FRAMEWORK



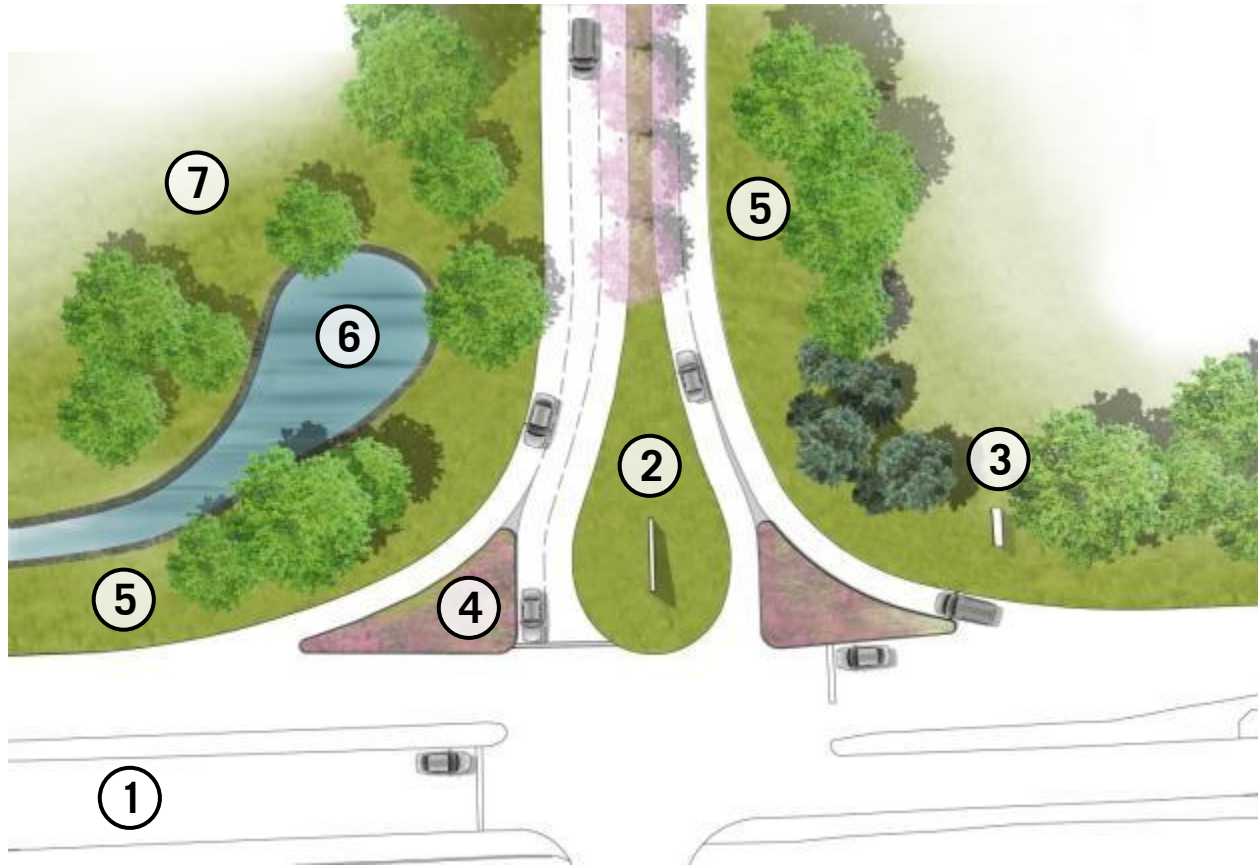
CIRCULATION AND OPEN SPACE

OPEN SPACES



CIRCULATION AND OPEN SPACE

CAMPUS ENTRANCE



LEGEND

1. Vestal Parkway
2. Grassed Entrance with New Sign
3. Legacy Harpur College Sign
4. Traffic Island with Seasonal Plantings
5. Native Grass Planting
6. Water Distention Pond
7. Earth Mound Barrier to Recreation Fields

CIRCULATION AND OPEN SPACE

CAMPUS ENTRANCE



CIRCULATION AND OPEN SPACE

BINGHAMTON UNIVERSITY FACILITIES MASTER PLAN
OPEN FORUM SESSION, 13 APRIL 2011

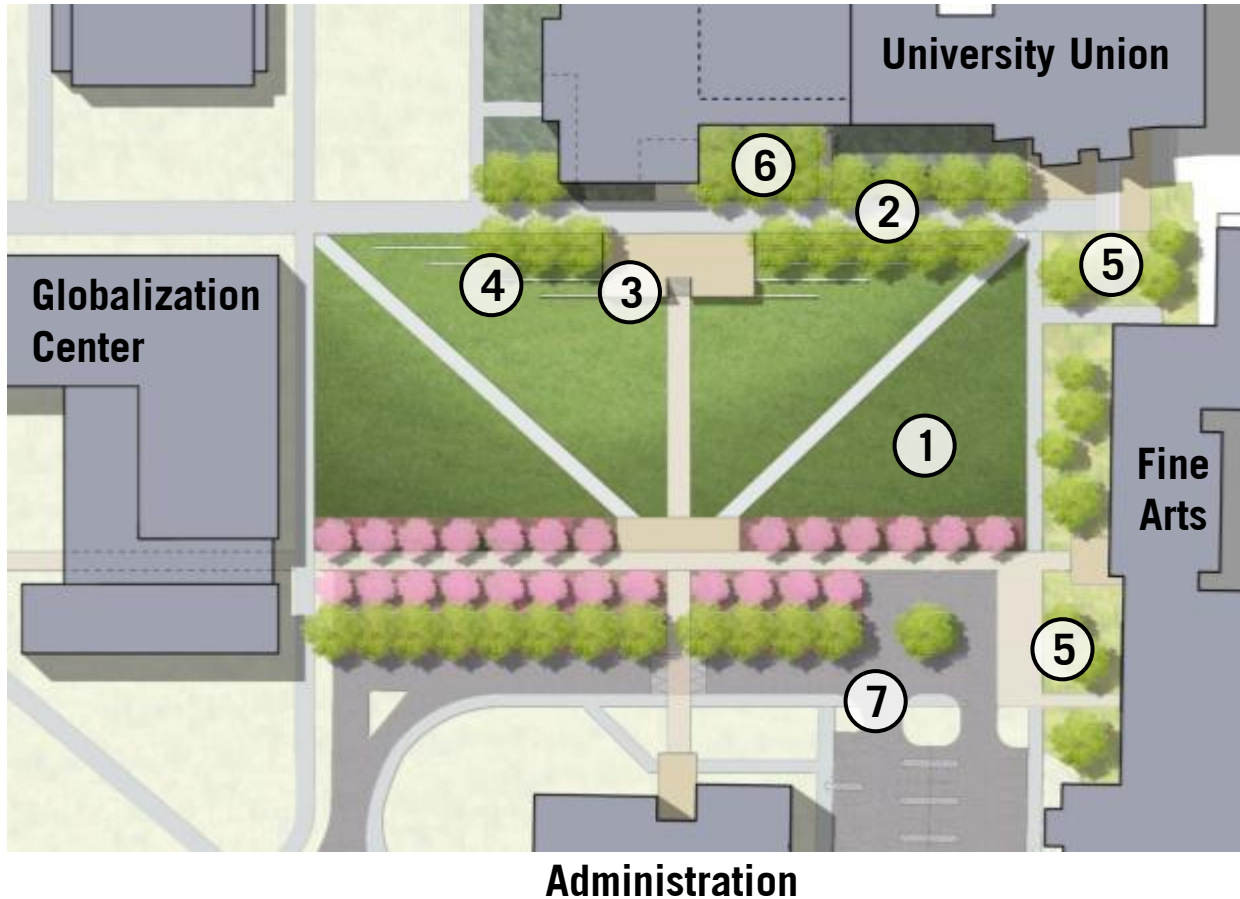
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PRIMARY QUADRANGLE Peace Quad



LEGEND

1. Peace Quad Lawn
2. Pedestrian Spine Extension
3. Overlook
4. Lawn Steps
5. Lawn Entry Plazas
6. Café Bosque
7. Vehicular Drop-Off

CIRCULATION AND OPEN SPACE

PRIMARY QUADRANGLE Peace Quad



CIRCULATION AND OPEN SPACE

BINGHAMTON UNIVERSITY FACILITIES MASTER PLAN
OPEN FORUM SESSION, 13 APRIL 2011

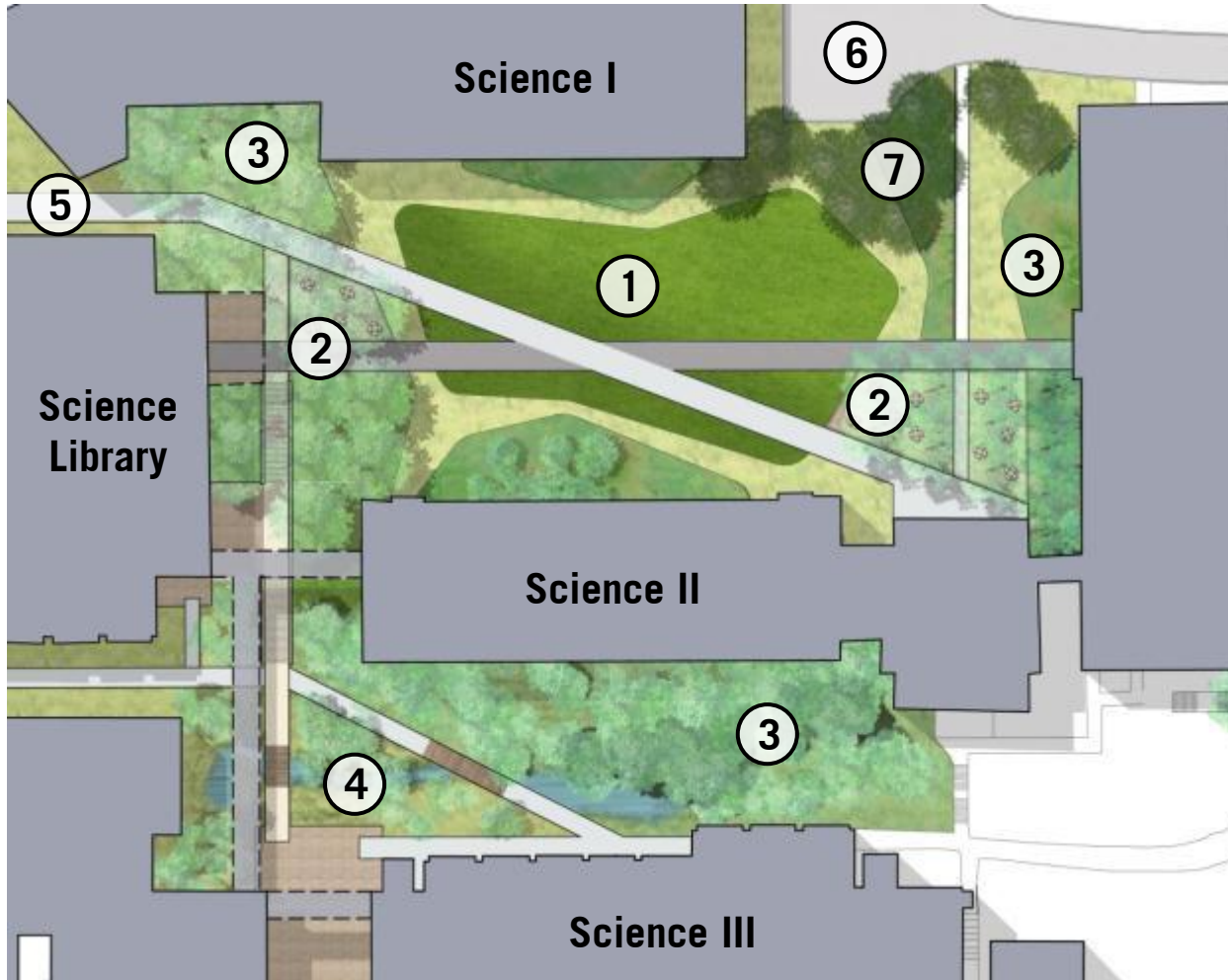
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LOCAL QUADRANGLE Sciences Quad



LEGEND

- 1. Lawn Area
- 2. Seating Bosque
- 3. Native Plantings
- 4. Bioswale
- 5. University Commons Access
- 6. Service Drive
- 7. Evergreen Screen

CIRCULATION AND OPEN SPACE

LOCAL QUADRANGLE Sciences Quad



CIRCULATION AND OPEN SPACE

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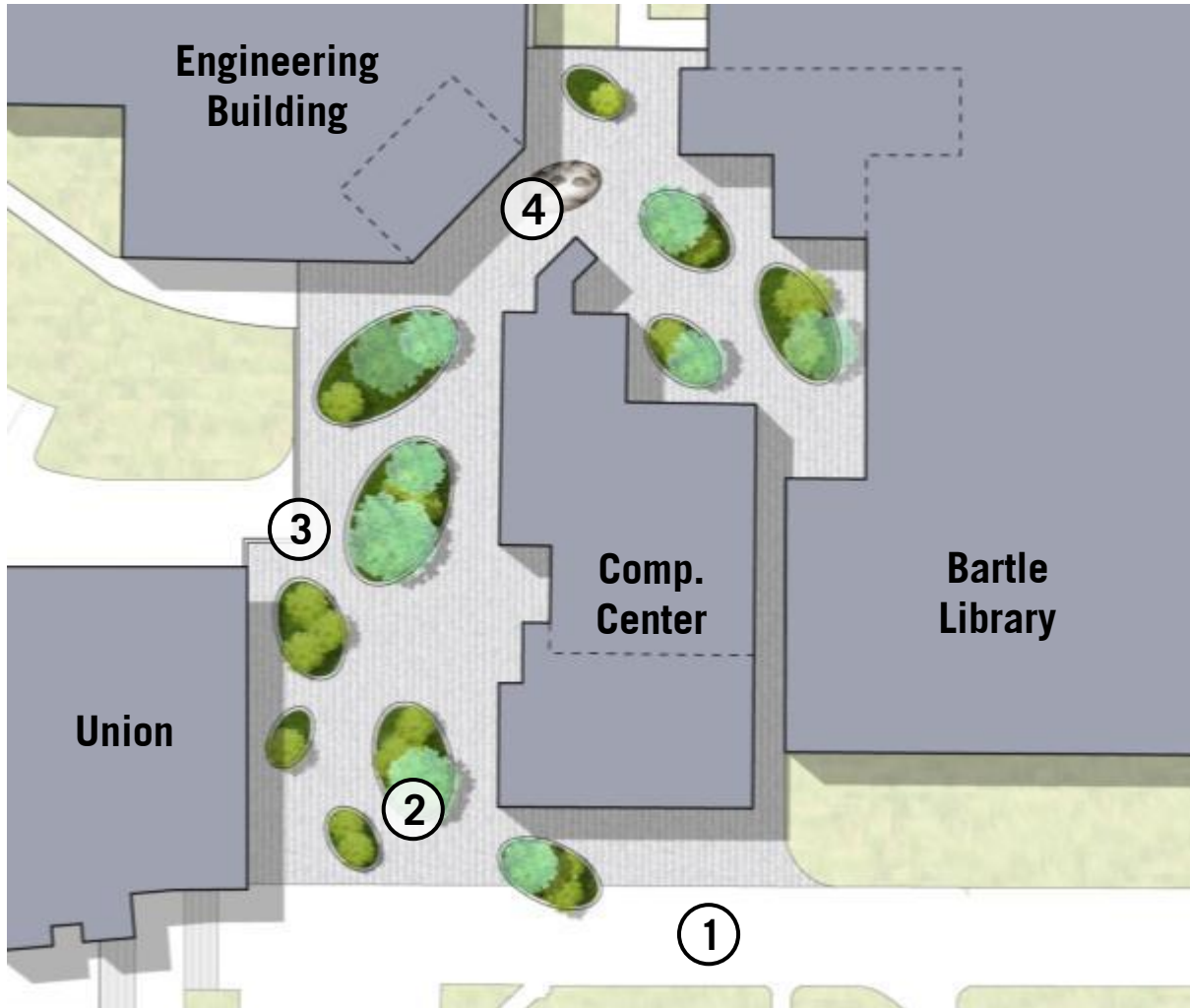
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HARDSCAPE PLAZA Engineering Plaza



LEGEND

1. Lois B. DeFleur Walkway
2. Planters with Seatwalls
3. Corduroy Paving
4. Fountain

CIRCULATION AND OPEN SPACE

HARDSCAPE PLAZA Engineering Plaza



CIRCULATION AND OPEN SPACE

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OPEN FORUM SESSION, 13 APRIL 2011

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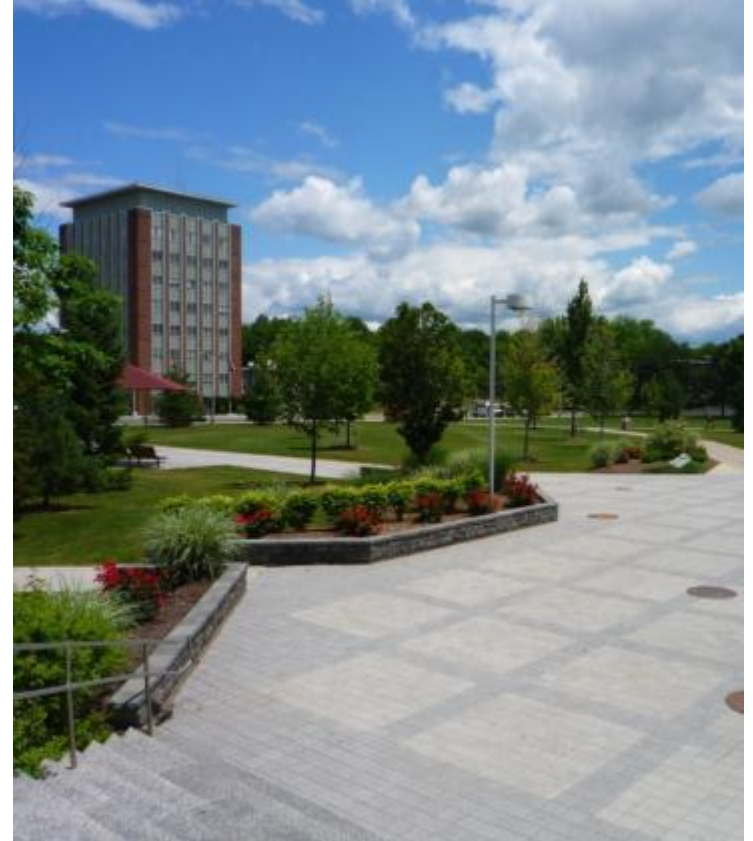
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FROM VISION TO REALITY

from vision to reality

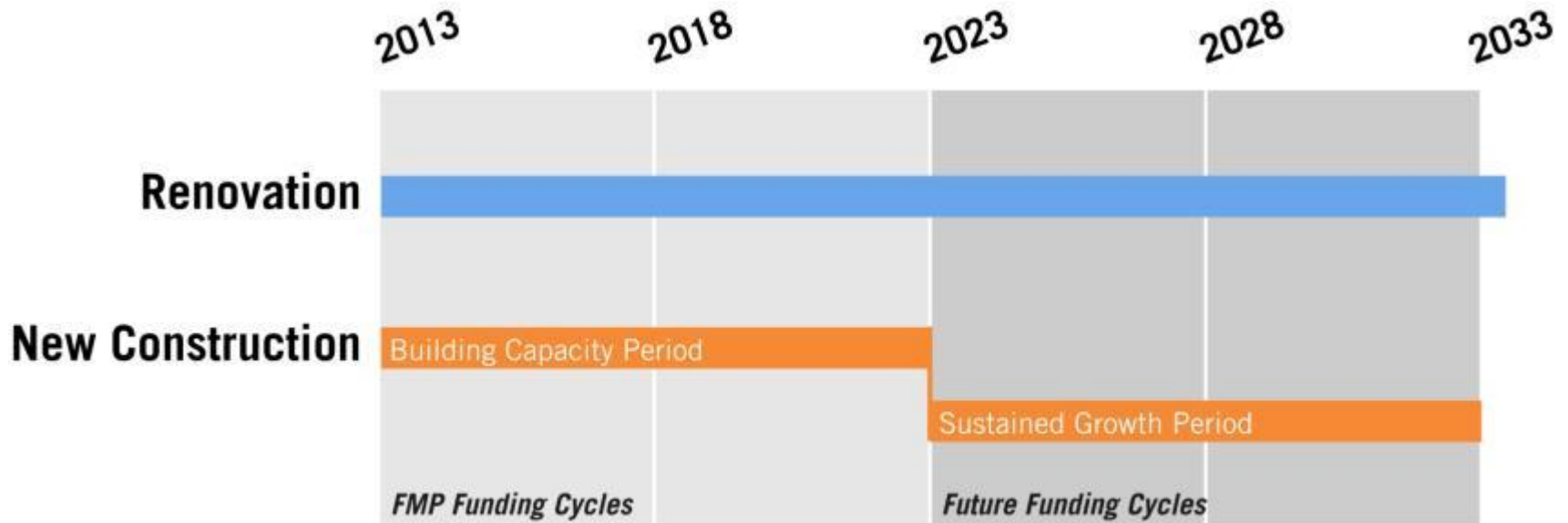
- Process of translate program initiatives into capital projects for **implementable roadmap**
- **Building the future of BU** through campus renovation and new construction projects



IMPLEMENTATION

FROM VISION TO REALITY

high quantity of capital projects



IMPLEMENTATION

FROM VISION TO REALITY



IMPLEMENTATION

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13 April 2011, 3:00pm

