

CAMPUS MASTER PLAN UPDATE 2010-2020

FIU | FLORIDA
INTERNATIONAL
UNIVERSITY

Focus Group 7- Intergovernmental Agencies Meeting #3

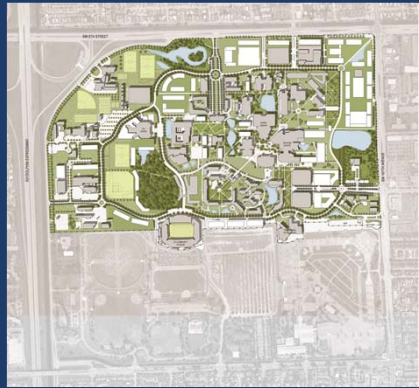


4 December 2012

PERKINS+WILL

1

Campus Master Plan 2010-2020 : Steering Committee Agenda



1. MMC



2. EC



3. BBC

- a. Inventory & Analysis Review
- b. Campus Vision Plan Review
- c. Campus Change since 2010

4. Implementation Strategies & Concepts

- a. Concept 1
- b. Concept 2
- c. Concept 3

Master Planning Schedule

Inventory & Analysis

July-Oct 2012

Preliminary Alternative Concepts

Nov-Dec 2012

Concept Plan Development

Jan 2013

Draft Comprehensive Master Plan

Feb-July 2013

Final Comprehensive Master Plan

Aug-Dec 2013

BOT Approval of Master Plan

Dec 2013

INVENTORY & ANALYSIS OVERVIEW

1a

What We Learned

Inventory & Analysis

Strengths:

- **Strong new architecture** complements existing historic structures to create an exciting campus assemblage.
- **Increased density** at MMC
- **Campus as Sculpture Garden / Museum**
- **Growing residential** component at MMC and BBC
- Creating **mixed-use** elements within buildings
- Sports events bring increasing numbers to our campus
- **Medicine** is poised to become another such magnet
- Successful outdoor spaces are being developed across all FIU campuses
- FIU campus potential as an **outdoor classroom** (MMC & BBC)
- Extraordinary site **potential** at BBC & EC

What We Learned

Inventory & Analysis

Challenges

- **Traffic congestion** challenges are growing steadily
- Several **plazas are underutilized** and don't respond to their environments
- No single formal space that is "the identity space" –associated with university
- **Fragmented and non unified** use of landscape architecture elements
- Pedestrian linkages are frequently **unprotected** from sun and rain
- Walkways are often **indirect** and sometimes insufficiently wide for the traffic
- Pedestrian vs. **vehicular conflict** with campus loop road
- The physical relationship of the campus precinct to its surrounding can be enhanced (**edges & economic development**)
- The Nature preserve should be embraced as a teaching facility, cleaned up, and have safe pathways built and lighted.
- **BBC approach** to campus (front door) is through a sea of parking
- **Need a secondary access** at BBC
- Planning through implementation **process**

Overall 2020 New Space Needs

FIU NEEDS BEYOND CAPITAL PROJECTS

ACADEMIC:	940,600 SF
SUPPORT:	796,200 SF
RESEARCH:	155,800 SF
FACILITY SUPPORT:	116,900 SF
RECREATION:	90,900 SF
<u>CLINIC:</u>	<u>35,230 SF</u>
TOTAL:	2,135,630 SF

HOUSING: 509,750 SF (1542 BEDS)
PARKING: NO NEW PARKING REQUIRED

RECREATION FIELDS/ COURTS:

SOCCER/ FOOTBALL FIELDS

5 This assumes continued use of Mourning High

SOFTBALL FIELDS

4 This assumes fields at Tamiami Park are still used

TENNIS COURTS

3

VOLLEYBALL COURTS

3

Additional 2035 Space Needs

FIU NEEDS BEYOND 2020

ACADEMIC:	511,000SF
SUPPORT:	563,900 SF
RESEARCH:	173,000 SF
FACILITY SUPPORT:	28,500 SF
RECREATION:	44,300 SF
<u>STUDENT CLINIC:</u>	<u>15,450 SF</u>
TOTAL:	876,250 SF

HOUSING: 354,250SF (1090 BEDS)

RECREATION FIELDS/ COURTS:

SOCCER/ FOOTBALL FIELDS	3 This assumes continued use of Mourning High
SOFTBALL FIELDS	2 This assumes fields at Tamiami Park are still used
TENNIS COURTS	6
VOLLEYBALL COURTS	2
BASKETBALL COURTS	2



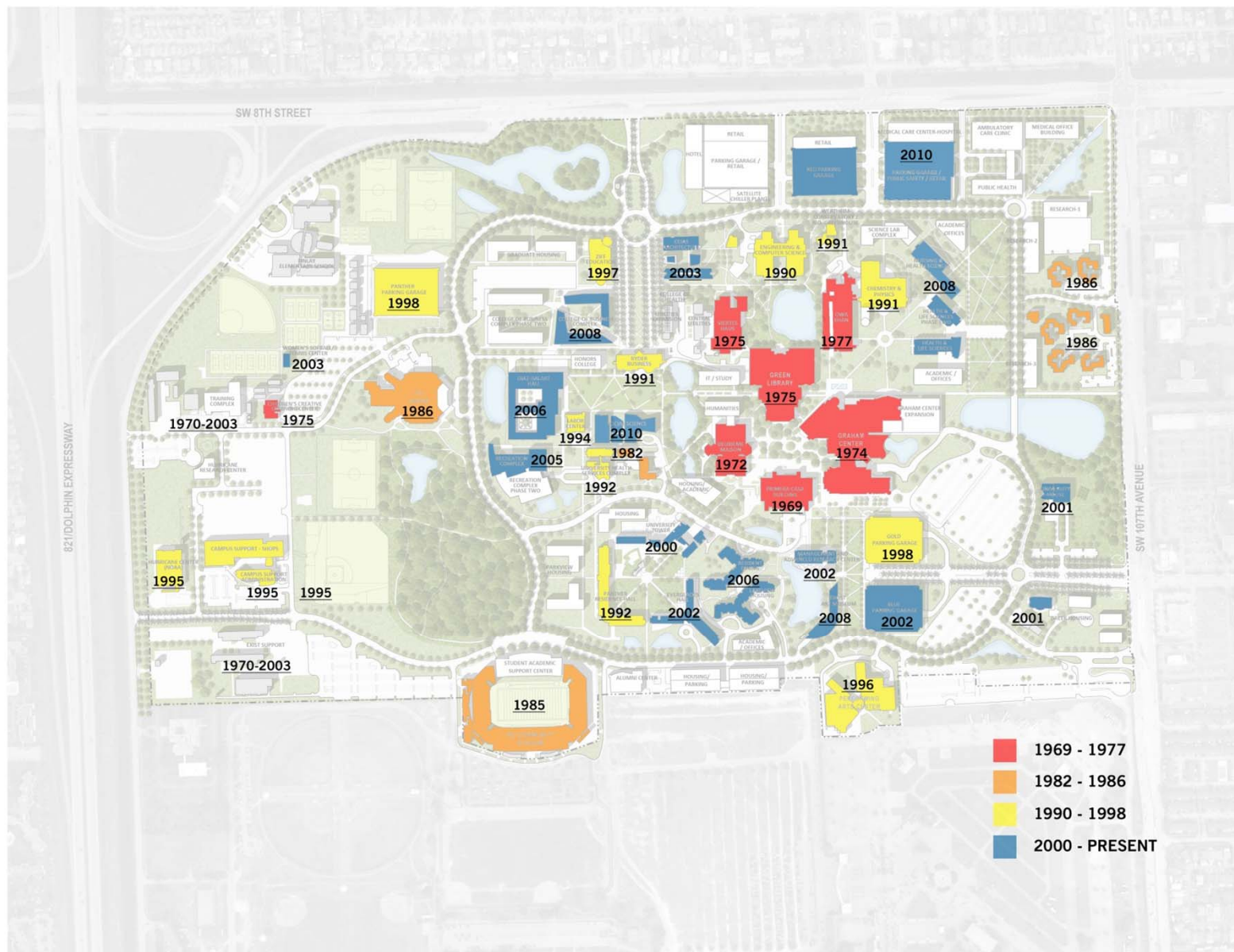
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MMC VISION PLAN REVIEW

1b

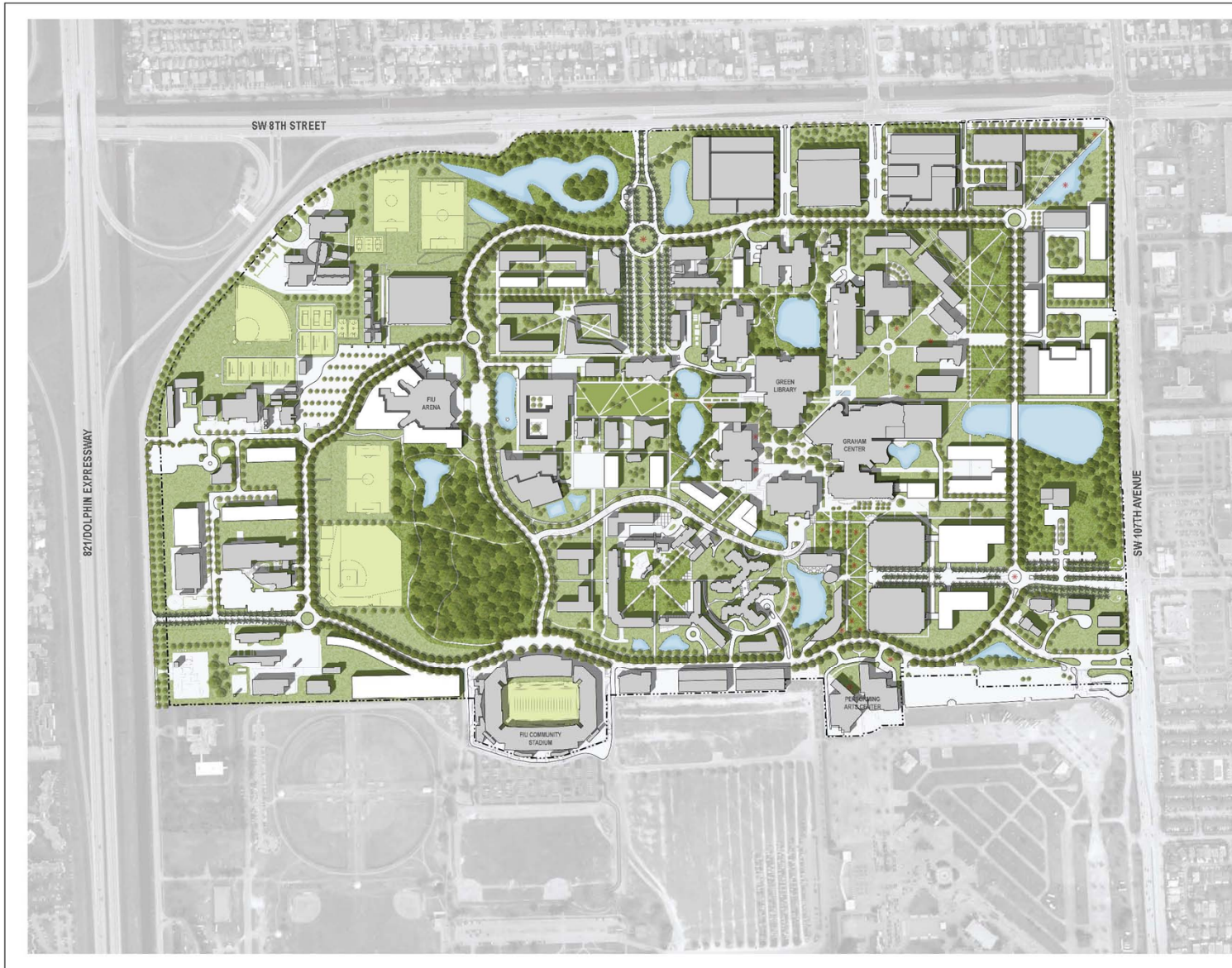
Modesto Maidique

Historical growth



Modesto Maidique Campus

Vision Plan (from 2010 Master Plan)



KEY MAP

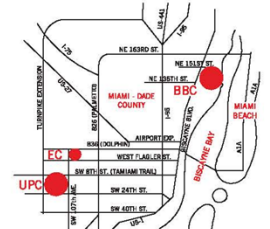
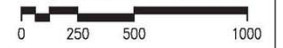


FIGURE:
University Park
VISION PLAN

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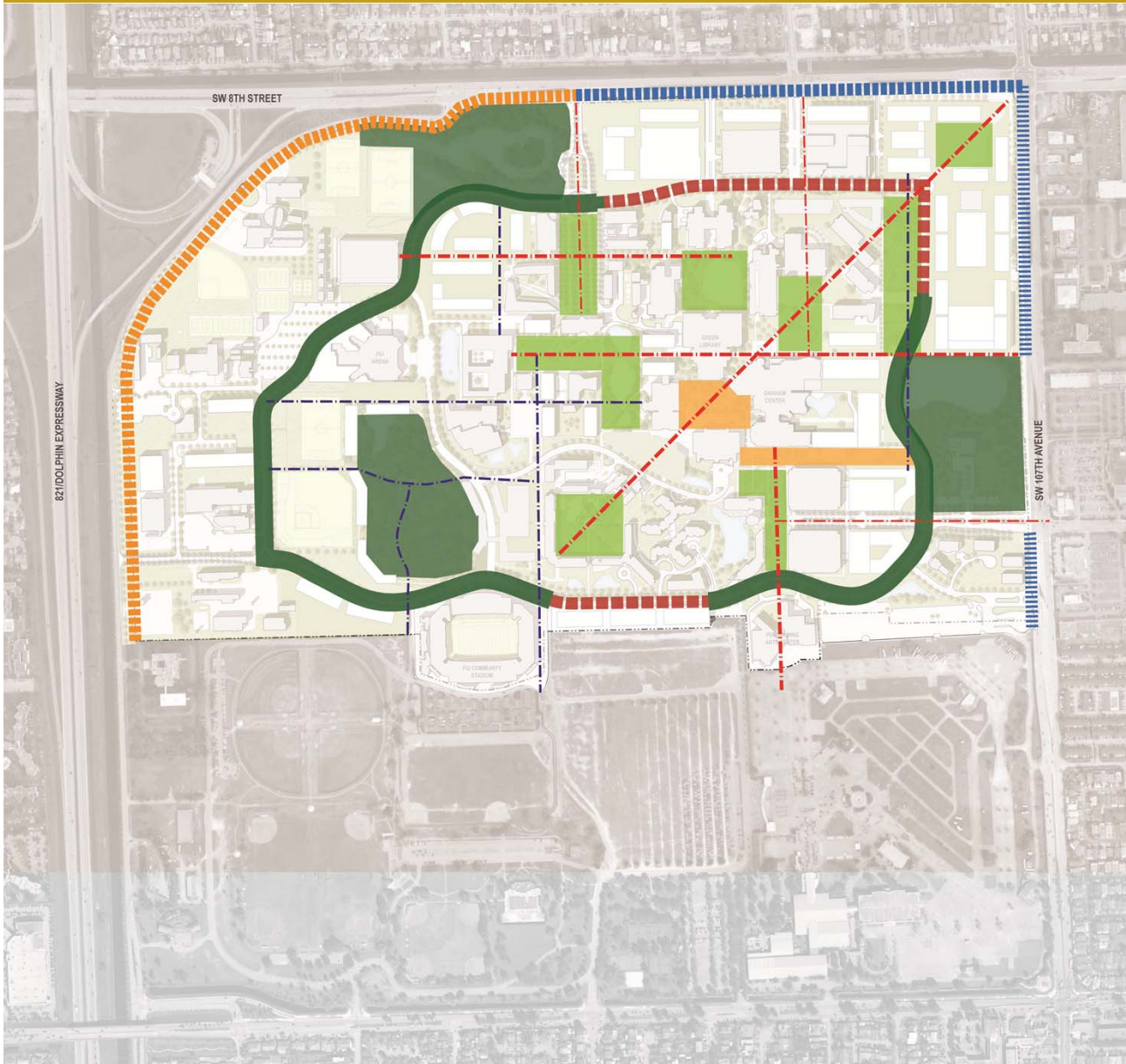
Campus Master Plan - June 3, 2009



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Modesto Maidique Campus

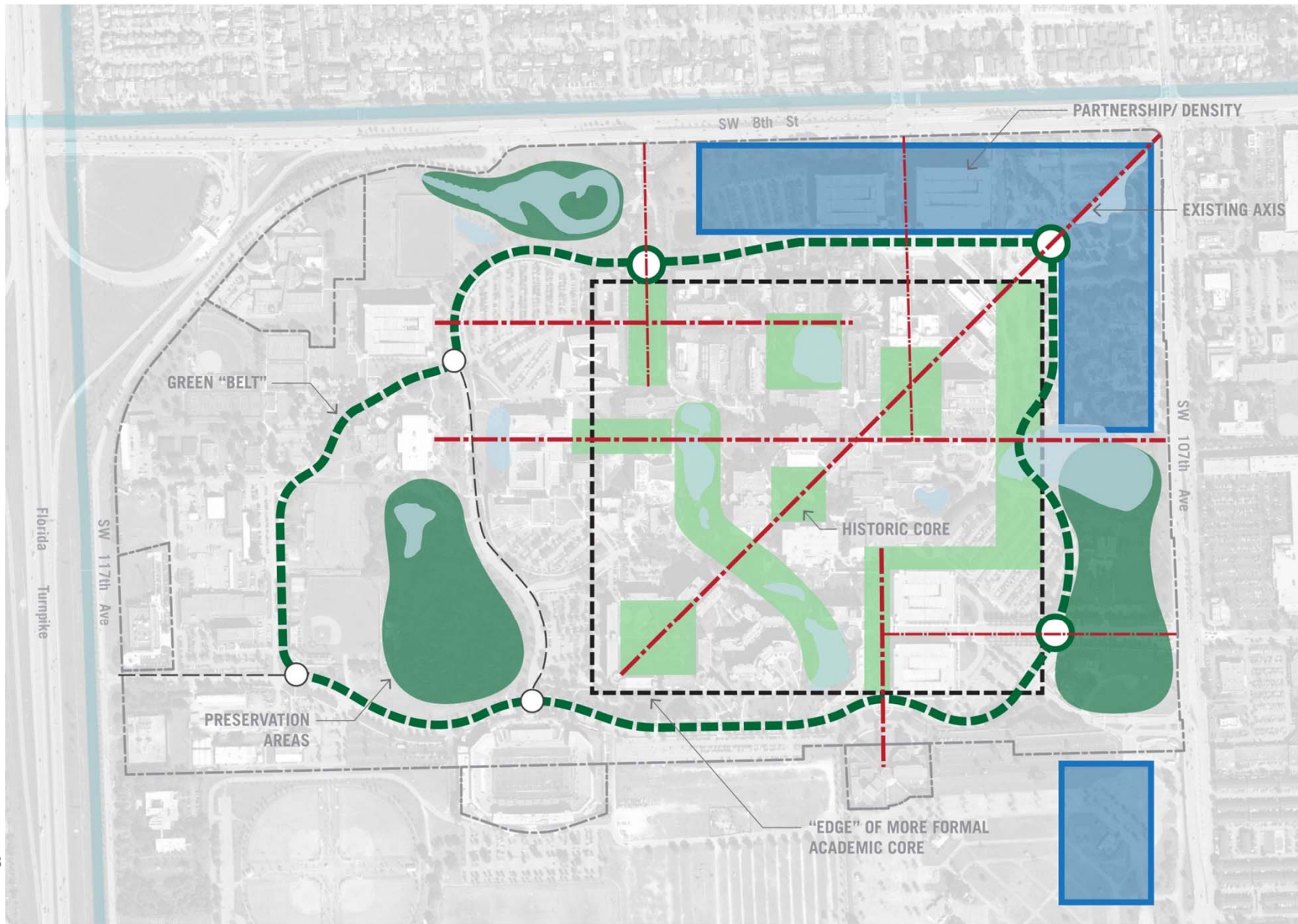
Urban Design - Framework



- key:
- • — avenues
 - · - · - developing connections
 - ■ ■ ■ ■ campus greenbelt
 - ■ ■ ■ ■ campus greenbelt – main street
 - ■ ■ ■ ■ quads
 - ■ ■ ■ ■ courtyards / promenades
 - ■ ■ ■ ■ special purpose landscapes
 - ■ ■ ■ ■ active edge
 - ■ ■ ■ ■ passive edge

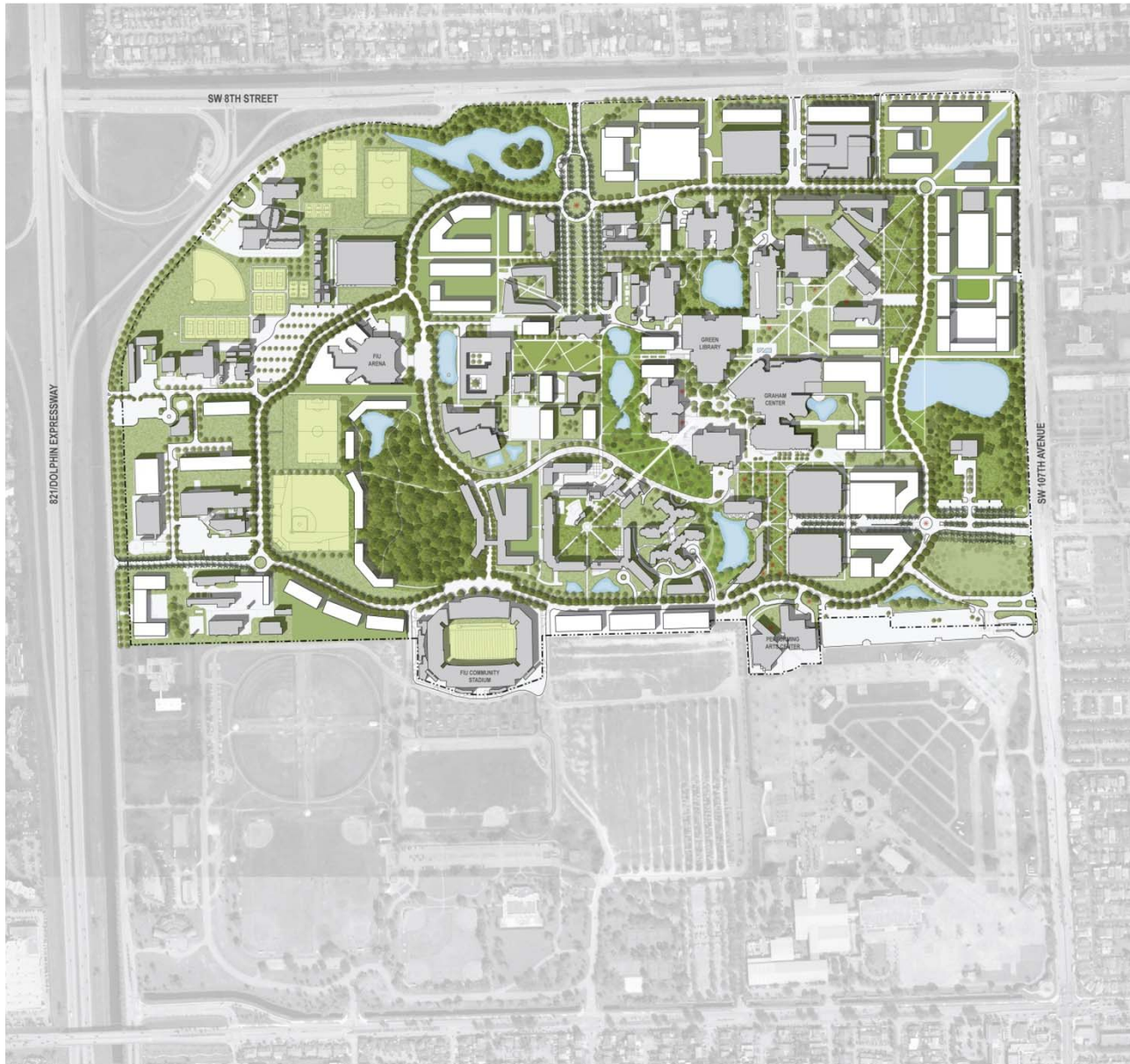
Modesto Maidique Campus

Concept Diagrams



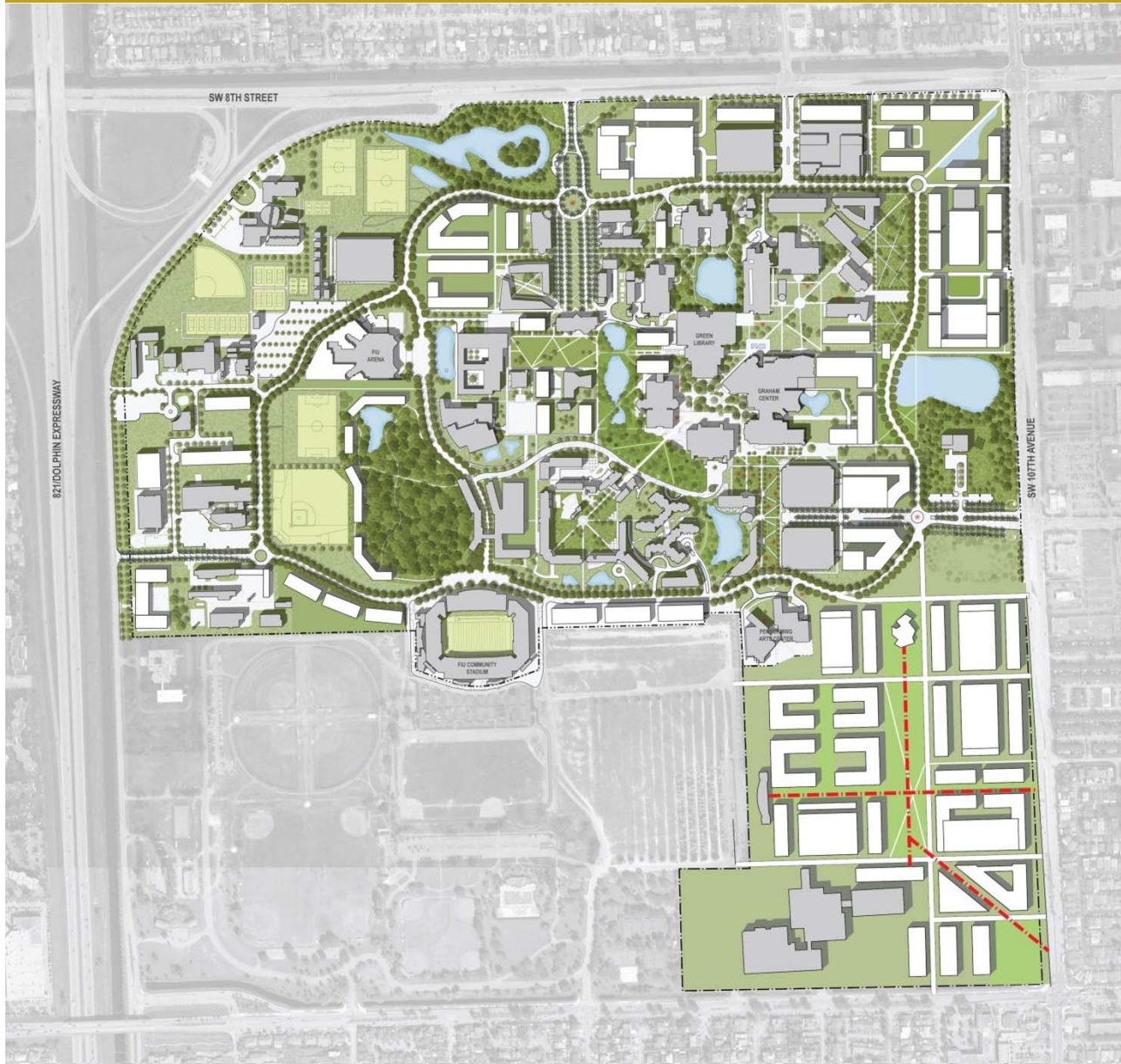
Modesto Maidique Campus

Vision Plan - Proposed



Modesto Maidique Campus

Vision Plan – Proposed (Youth Fair)

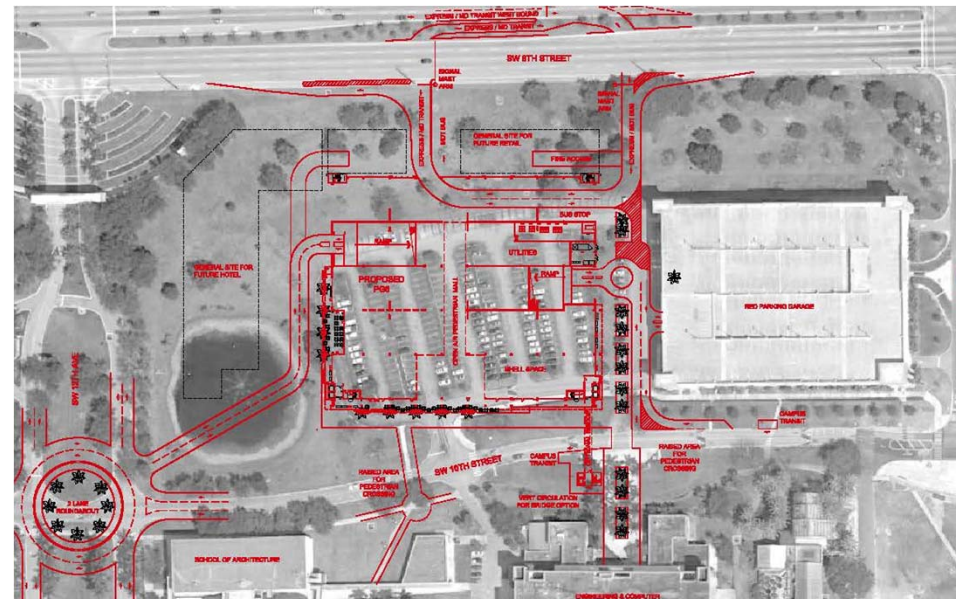


MMC CHANGES SINCE 2010

1c

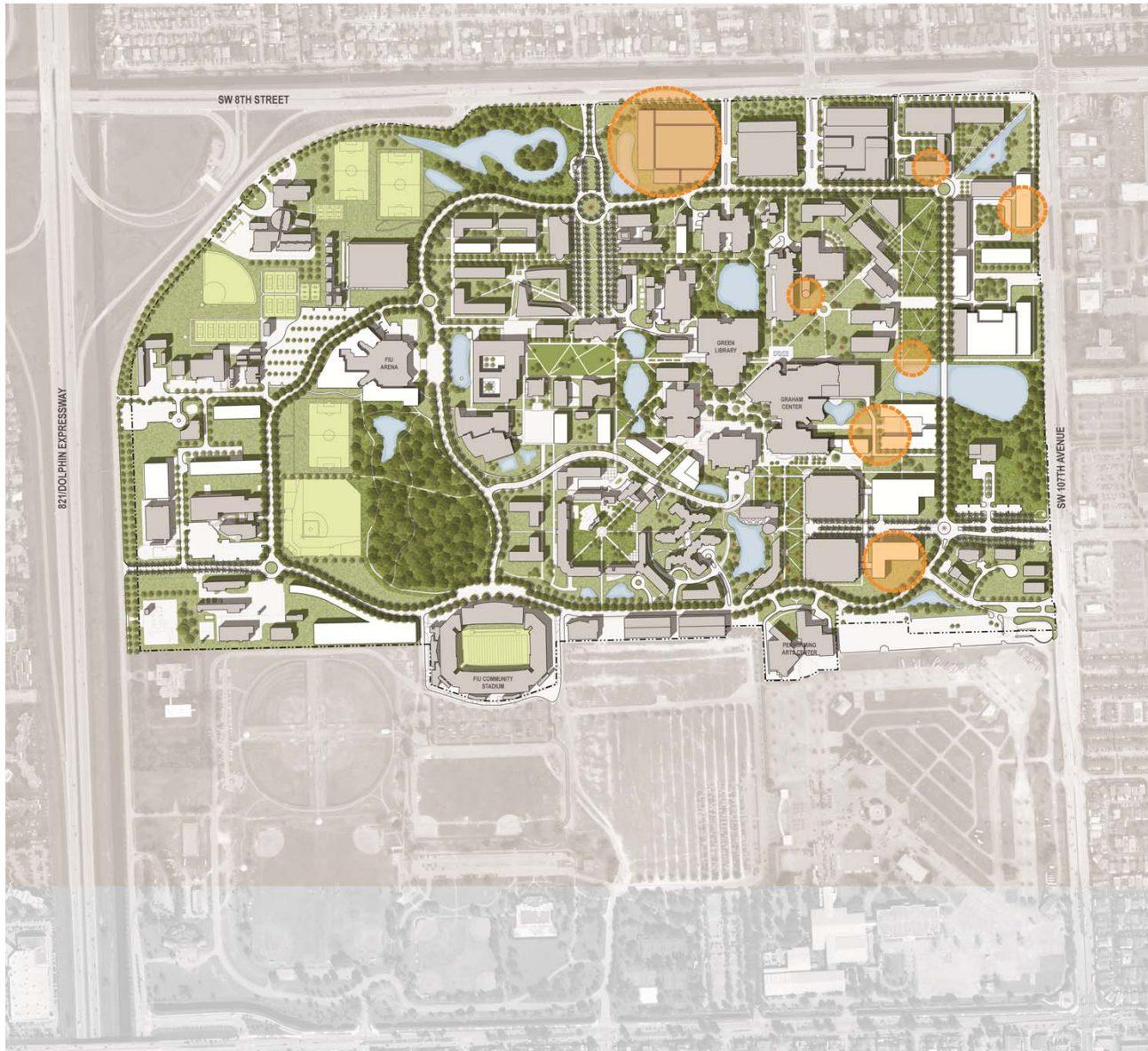
Modesto Maidique Campus

New Projects

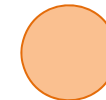


Modesto Maidique Campus

New Projects



key:



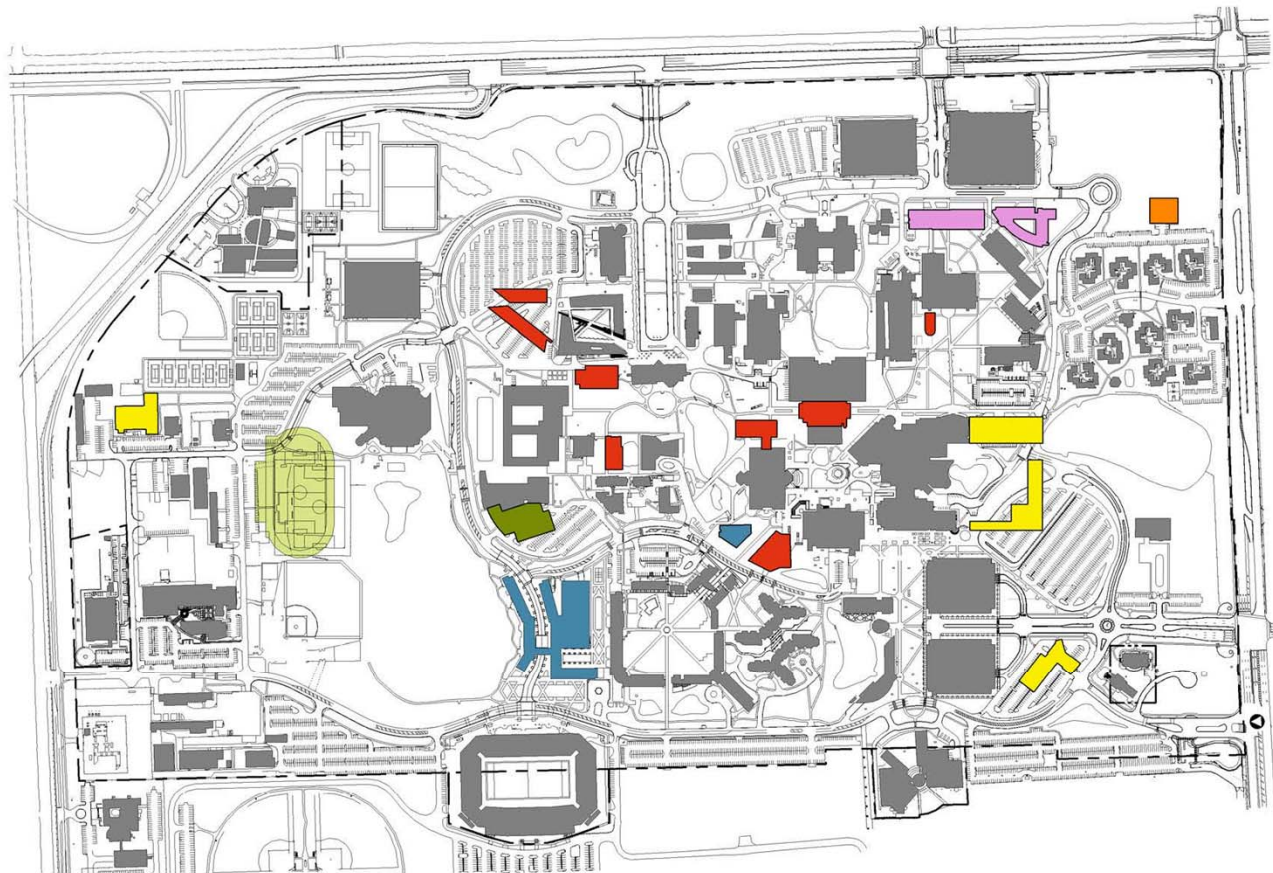
new projects

Projects:

- Parking Garage 6
- Medical Office Building
- Astroscience Center
- Alumni Center
- Chapel
- Student Academic Support Center

Modesto Maidique Campus

Updates and CIP requests since 2010



MODESTO MAIDIQUE CAMPUS

PLANNED PROJECTS





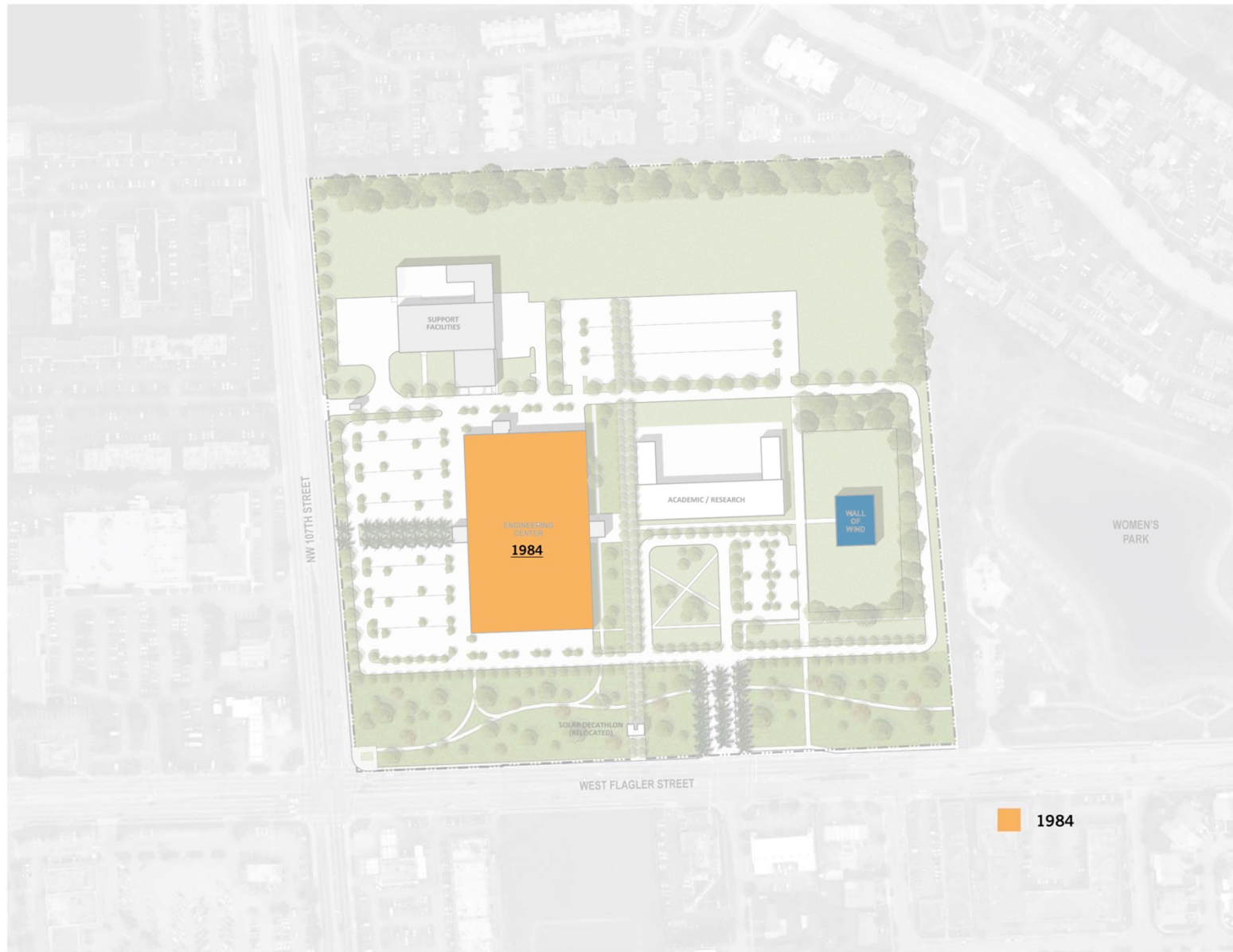
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EC VISION PLAN REVIEW

2b

Engineering Center

Historical growth



Engineering Center

Vision Plan (from 2010 Master Plan)



KEY MAP



FIGURE: 0.2b
Engineering Center
VISION PLAN

FIU FLORIDA INTERNATIONAL UNIVERSITY

Campus Master Plan - June 2010



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Engineering Center

Urban Design- Framework



Engineering Center

Concept Diagram



Engineering Center

Vision Plan - Proposed

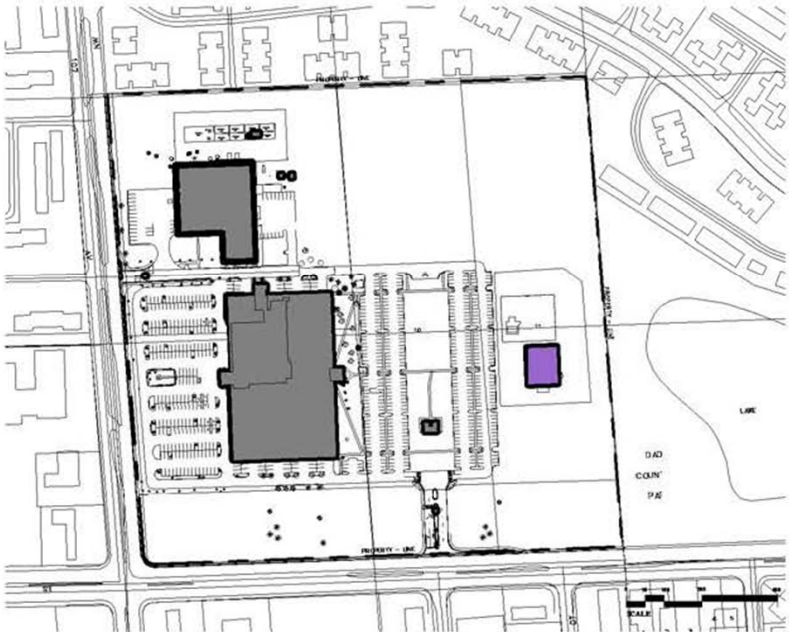


EC CHANGES SINCE 2010

2c

Engineering Center

UPDATES SINCE 2010





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BBC VISION PLAN REVIEW

3b

Biscayne Bay Campus

Historical growth



- 1976 - 1979
- 1980 - 1987
- 1996
- 2004

KEY MAP

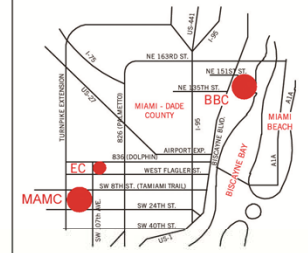


FIGURE: 0.3a
Biscayne Bay Campus
2015 ILLUSTRATIVE PLAN

FIU FLORIDA INTERNATIONAL UNIVERSITY

Campus Master Plan - June 2010



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Biscayne Bay Campus

Vision Plan (from 2010 Master Plan)



KEY MAP



FIGURE: 0.3b
Biscayne Bay Campus
VISION PLAN

FIU FLORIDA INTERNATIONAL UNIVERSITY
Campus Master Plan - June 2010

0 250 500 1000

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Biscayne Bay Campus

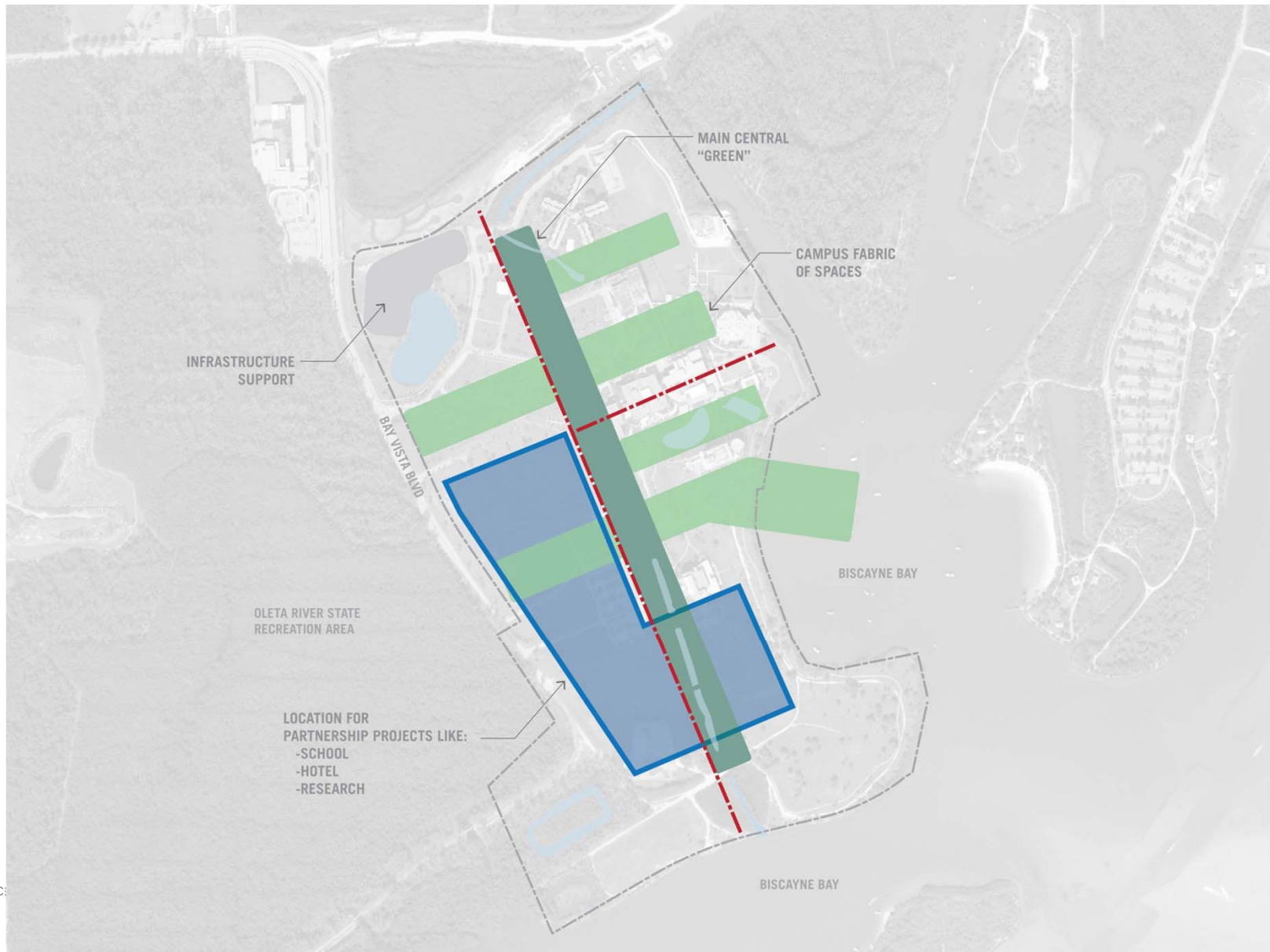
Urban Design - Framework



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Biscayne Bay Campus

Concept Diagram



Biscayne Bay Campus

Vision Plan - Proposed



BBC CHANGES SINCE 2010

3c

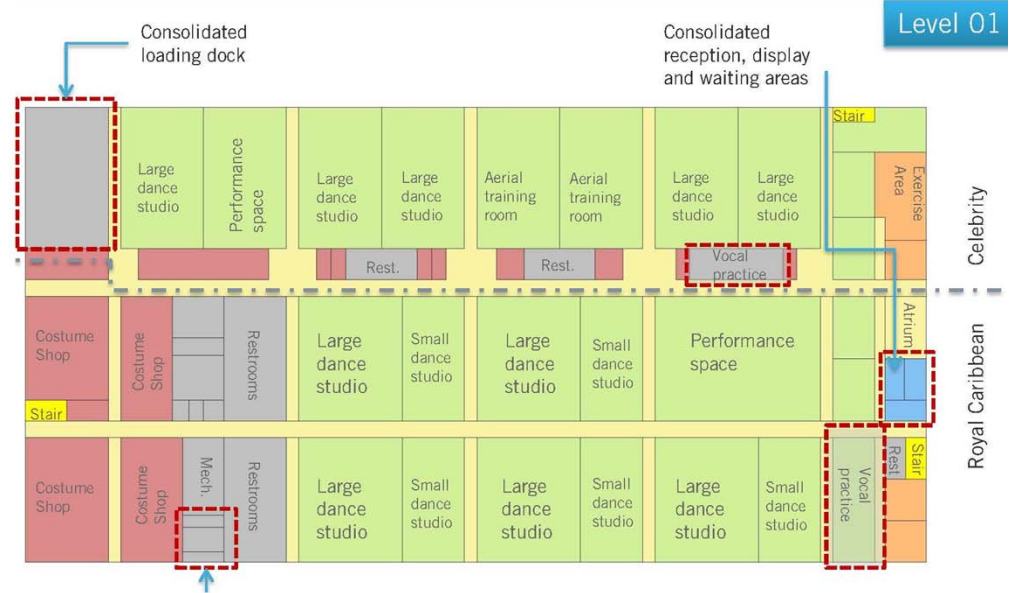
Biscayne Bay Campus

New Projects



Royal Caribbean Production Studio

03-22-2012

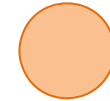


Biscayne Bay Campus

New Projects



key:



new projects

Projects:

- Royal Caribbean Production Studio
- Wildlife Center
- Boat Dock
- Charter School

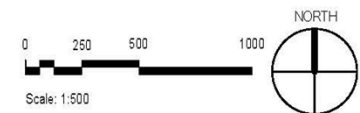
BBC

Updates and CIP requests since 2010



BISCAYNE BAY CAMPUS

PLANNED PROJECTS



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ALTERNATE IMPLEMENTATION STRATEGIES

4

Campus Guiding Principles

- Develop a **sustainable** campus environment.
- Develop forward looking, **innovative and interdisciplinary** learning and research environments.
- **Reinforce FIU's identity** through the articulation of landmarks, precincts, edges, buildings, and open spaces.
- Create a more **compact urban environment**.
- Develop comprehensive **multi-modal solutions to transportation & infrastructure**.
- Establish better **connectivity with neighboring communities**.
- Create a safe, connected, **pedestrian-friendly campus**.
- Site core academic programs along **main axes**.
- Develop **student life mixed use communities**.
- Foster learning through **multipurpose open space**.

Sustainable Planning Principles

- ***Multi-modal circulation*** and access to planned metro transit systems
- Mixed use parking decks at perimeter of campus
- More ***compact urban environment*** with connectivity to community
- Student residential community with mixed use amenities on campus
- Creating “***green lungs***” with open space quadrangles, courtyards, landscaping, and water features
- ***Campus green belt*** for pedestrian and vehicular movement
- ***Building guidelines*** encouraging natural ventilation, shading, and daylighting in exterior and interior spaces to reduce energy consumption
- Outdoor ***lighting guidelines*** for efficient energy use
- ***On-site storm water treatment and management***
- ***Landscape guidelines*** for shade, filtration and water efficiency
- Recycling/composting: facilities, construction, mail/print services, dining
- ***Thermal Energy Storage*** (ice tanks) planned with new chiller plants
- ***Precinct plants***: mini-loops for efficiency and shared redundancy

OPTION #1

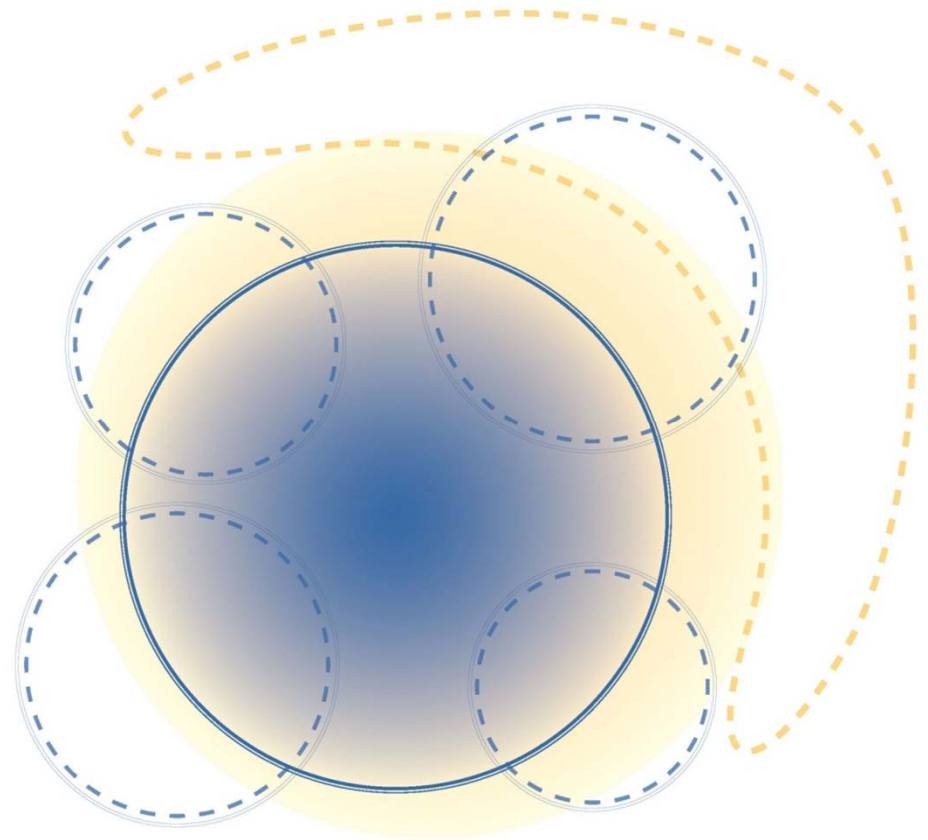
Expand in Place / Create a Strong Core

4a

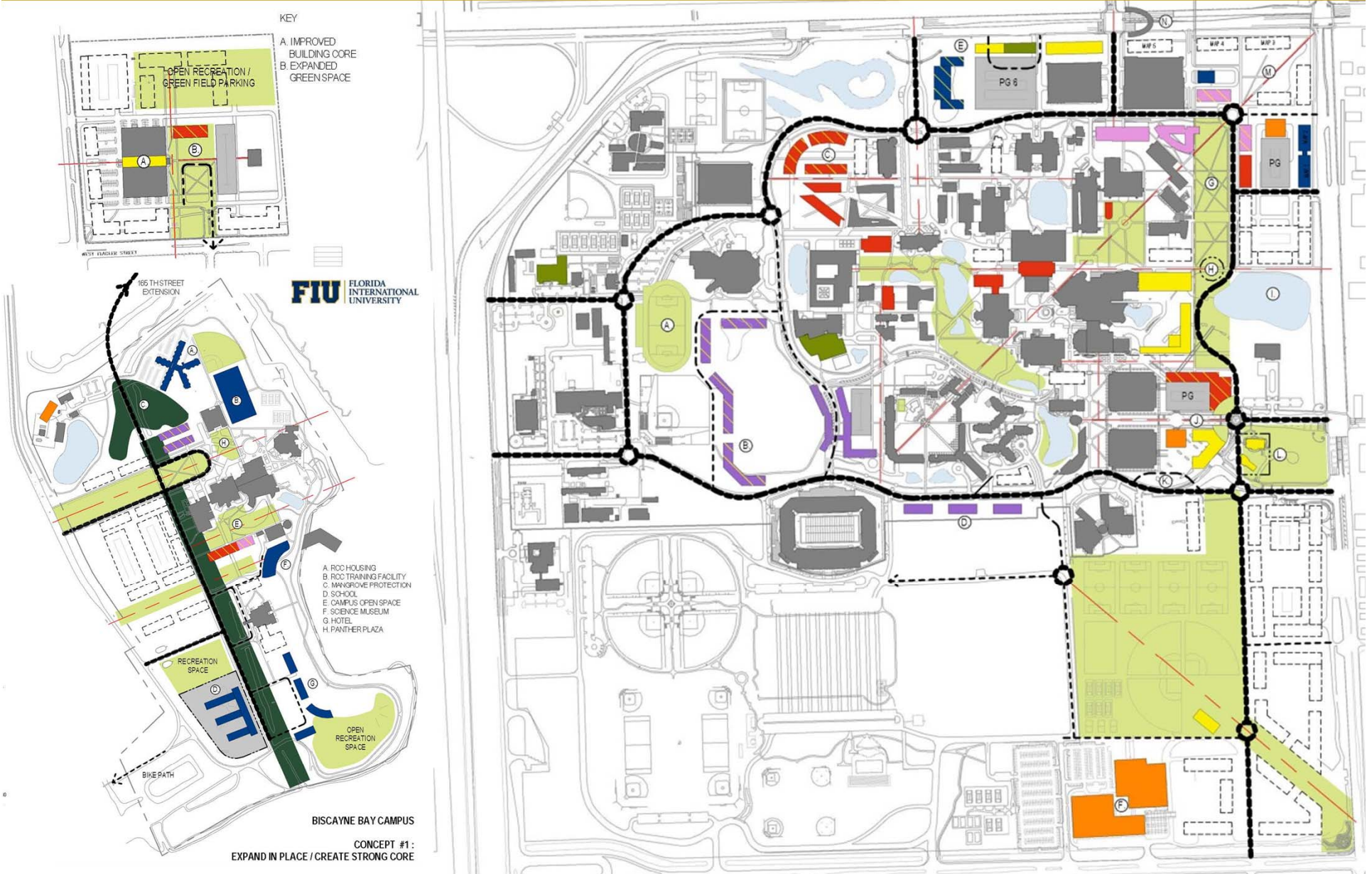
Expand in Place | Create a Strong Core

Key Characteristics

- **Program expansion consolidates current campus districts**
- **Infill buildings and additions strengthen each campus core**
- **Preserves future perimeter building sites at each campus**
- **Maximizes growth at MMC**
- **Minimizes growth at EC and BBC**



Concept 1



CONCEPT #2

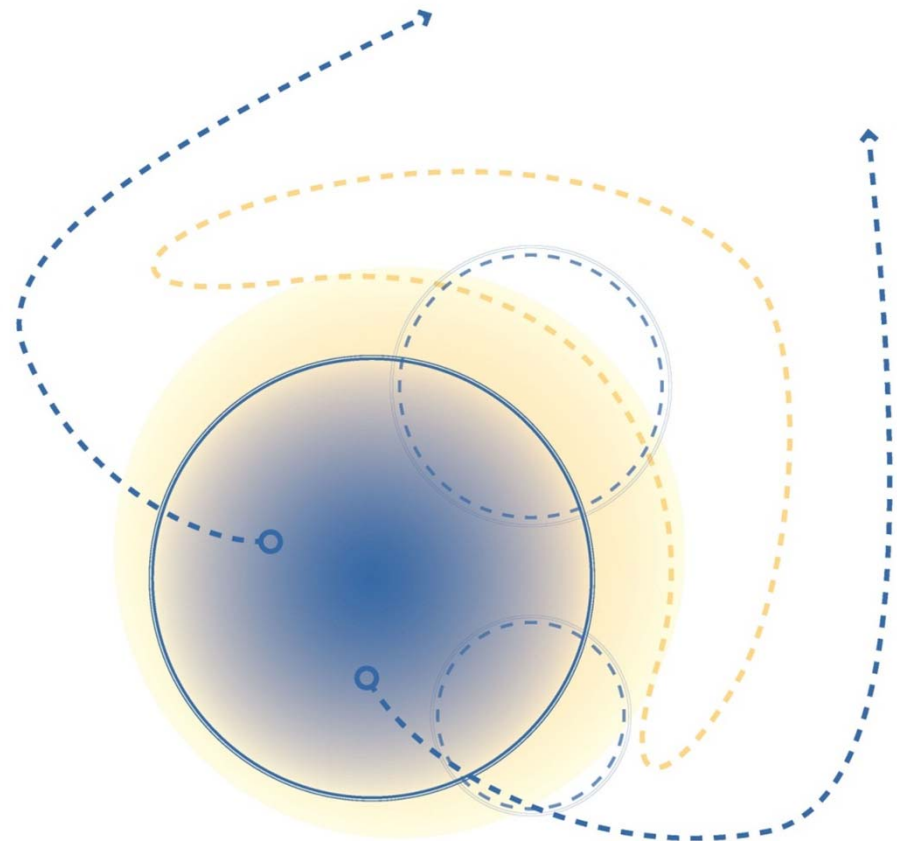
Shift Programs / Reinforce Campus Identity

4b

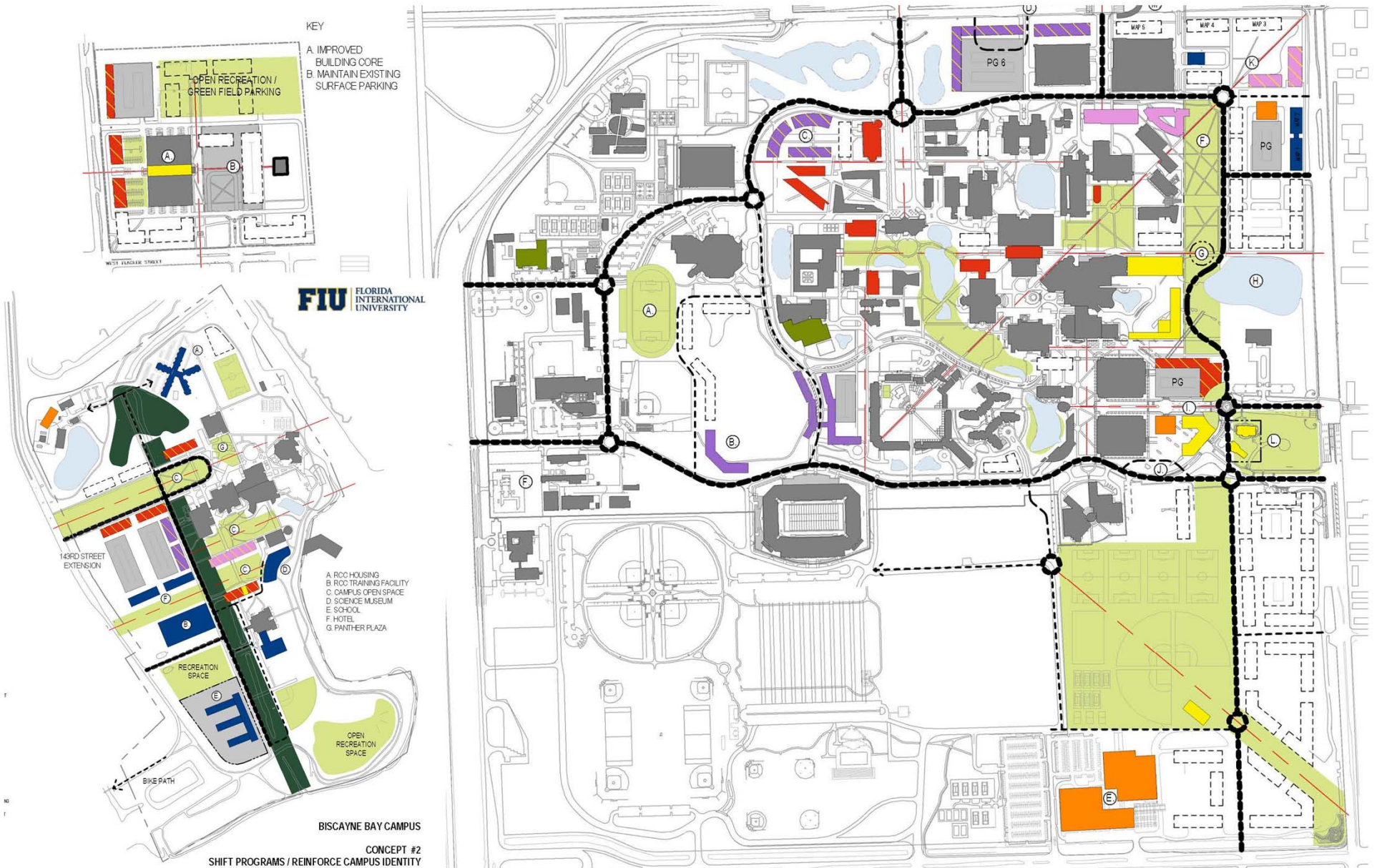
Shift Programs | Reinforce Campus Identity

Key Characteristics

- **Academic Health programs strengthen MMC identity**
- **Engineering, Math and Computing programs strengthen EC identity**
- **Hospitality, Education and Environmental Science programs strengthen BBC identity**
- **Maximizes future MMC flexibility**
- **Maximizes balanced growth across campus**



Concept 2



OPTION #3

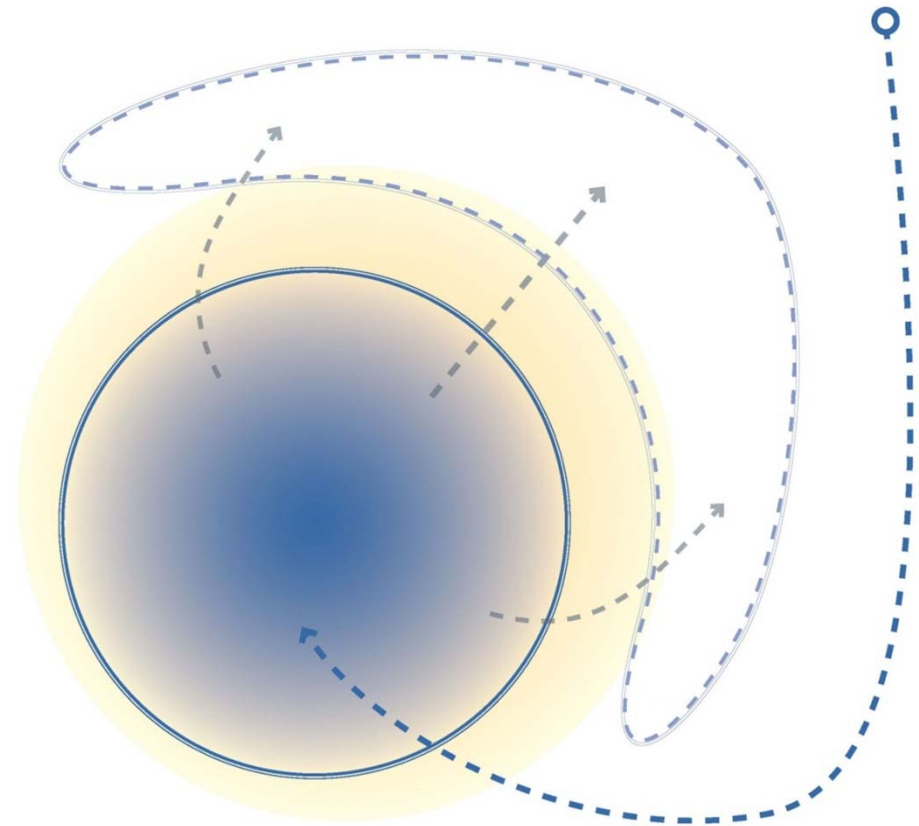
Expand at the Perimeter / Reinforce Partnerships

4e

Expand at the Perimeter | Reinforce Partnerships

Key Characteristics

- **Focuses growth at each campus perimeter**
- **Strengthens sites for visible partnerships**
- **Repositions EC highest and best use**
- **Shifts Engineering to MMC**
- **Maximizes future campus core infill opportunities**



DISCUSSION

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