

CAMPUS MASTER PLAN UPDATE 2010-2020

FIU | FLORIDA
INTERNATIONAL
UNIVERSITY

Steering Committee Meeting #3

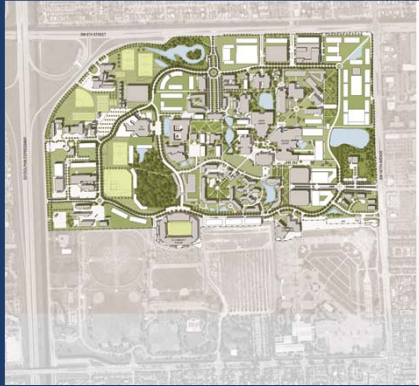


3 December 2012

PERKINS+WILL

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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 the 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	
	Includes the new PG-6	

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	

05 December 2012

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

MMC VISION PLAN REVIEW

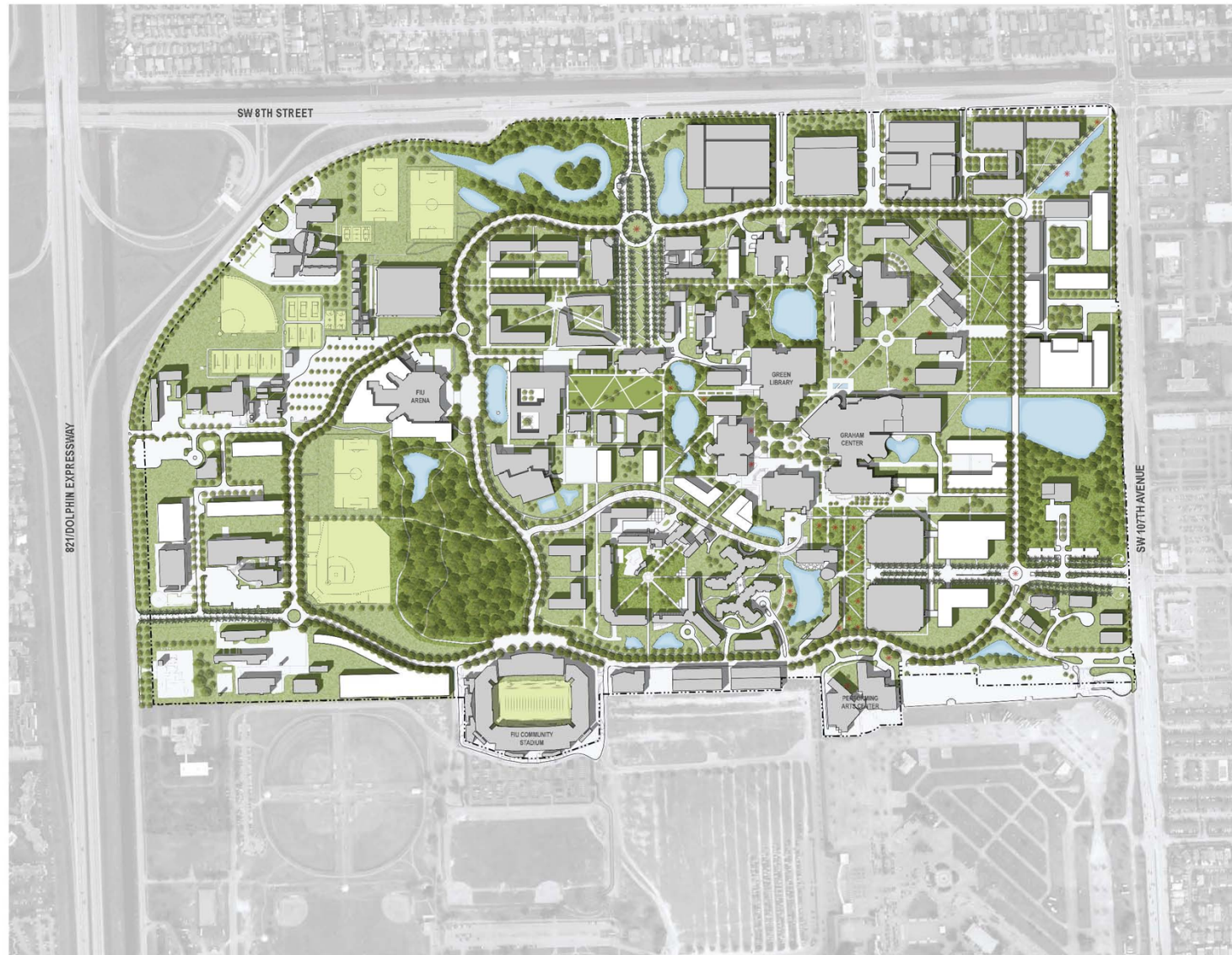
1b

Historical growth



Modesto Maidique Campus

Vision Plan (from 2010 Master Plan)



KEY MAP

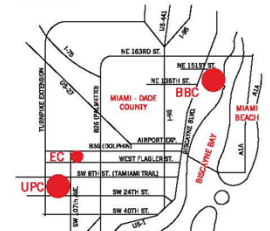


FIGURE:
University Park
VISION PLAN

FIU FLORIDA
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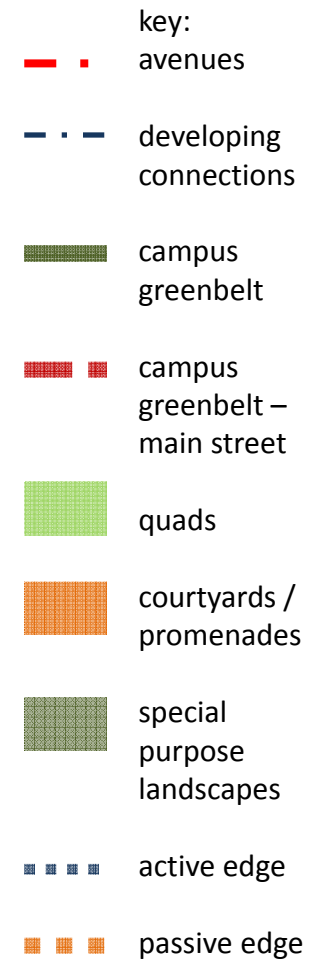
Campus Master Plan - June 3, 2009

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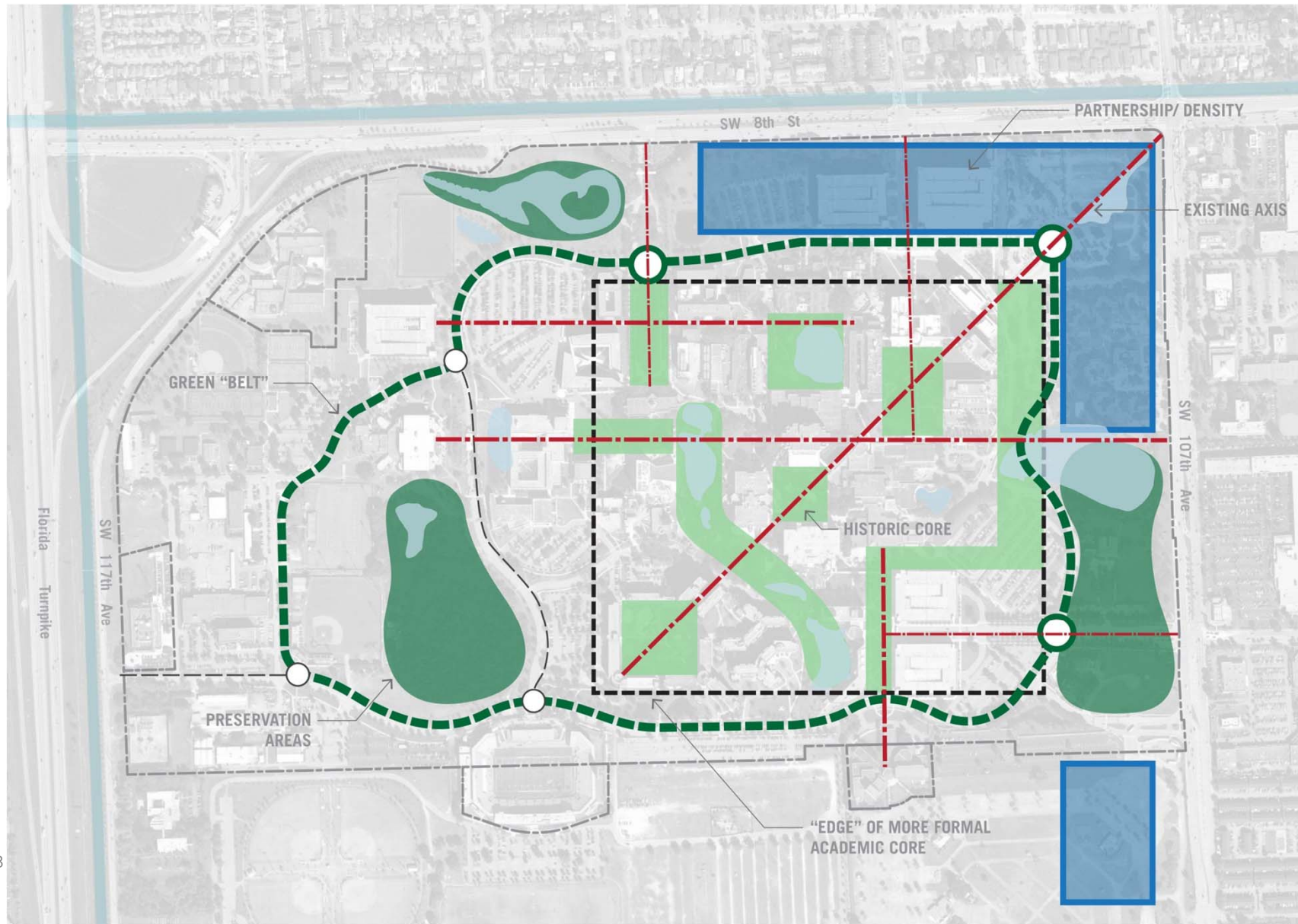
**PERKINS
+ WILL**

Urban Design - Framework



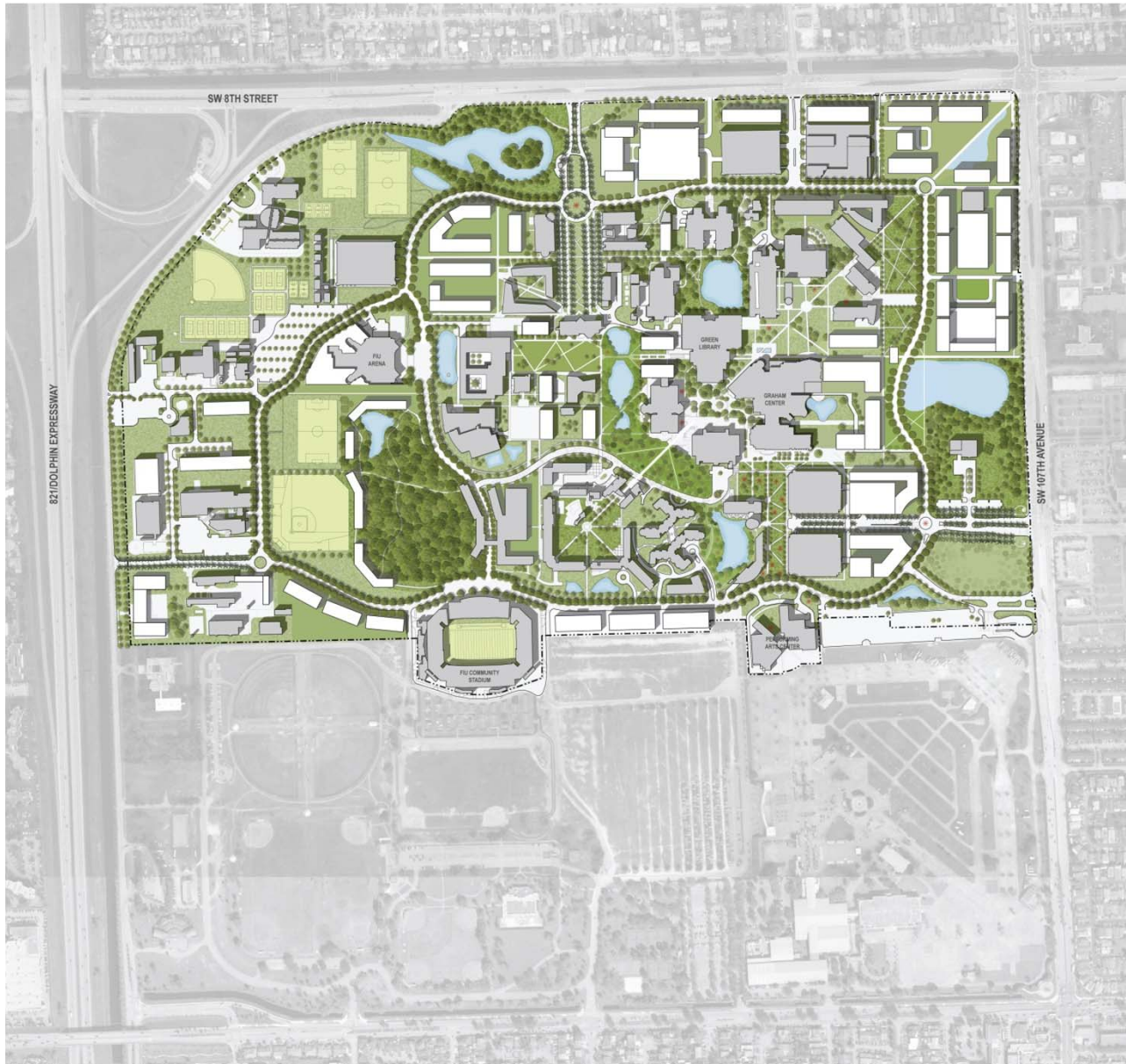
Modesto Maidique Campus

Concept Diagrams



Modesto Maidique Campus

Vision Plan - Proposed



Modesto Maidique Campus

Vision Plan – Proposed (Youth Fair)

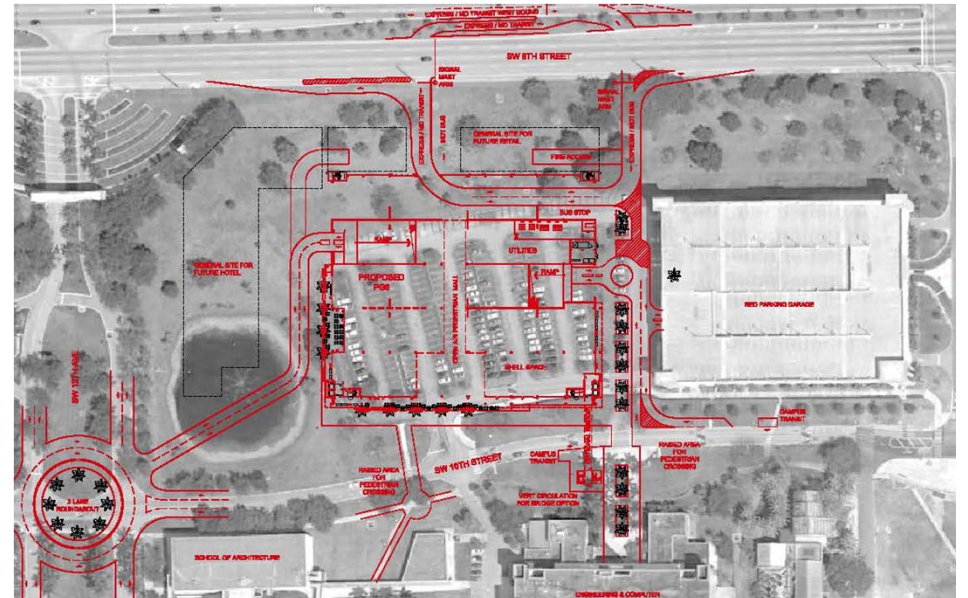
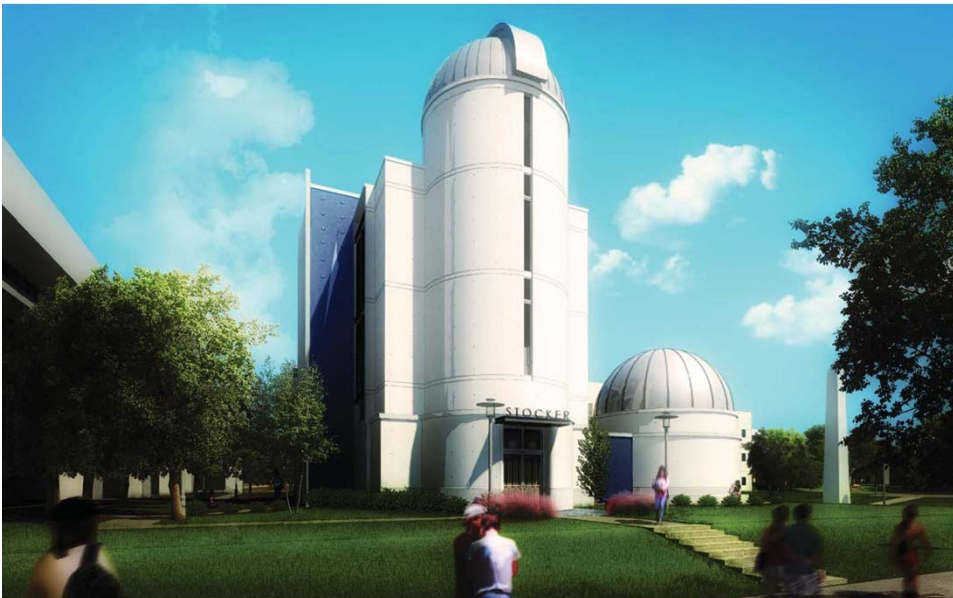


MMC CHANGES SINCE 2010

1c

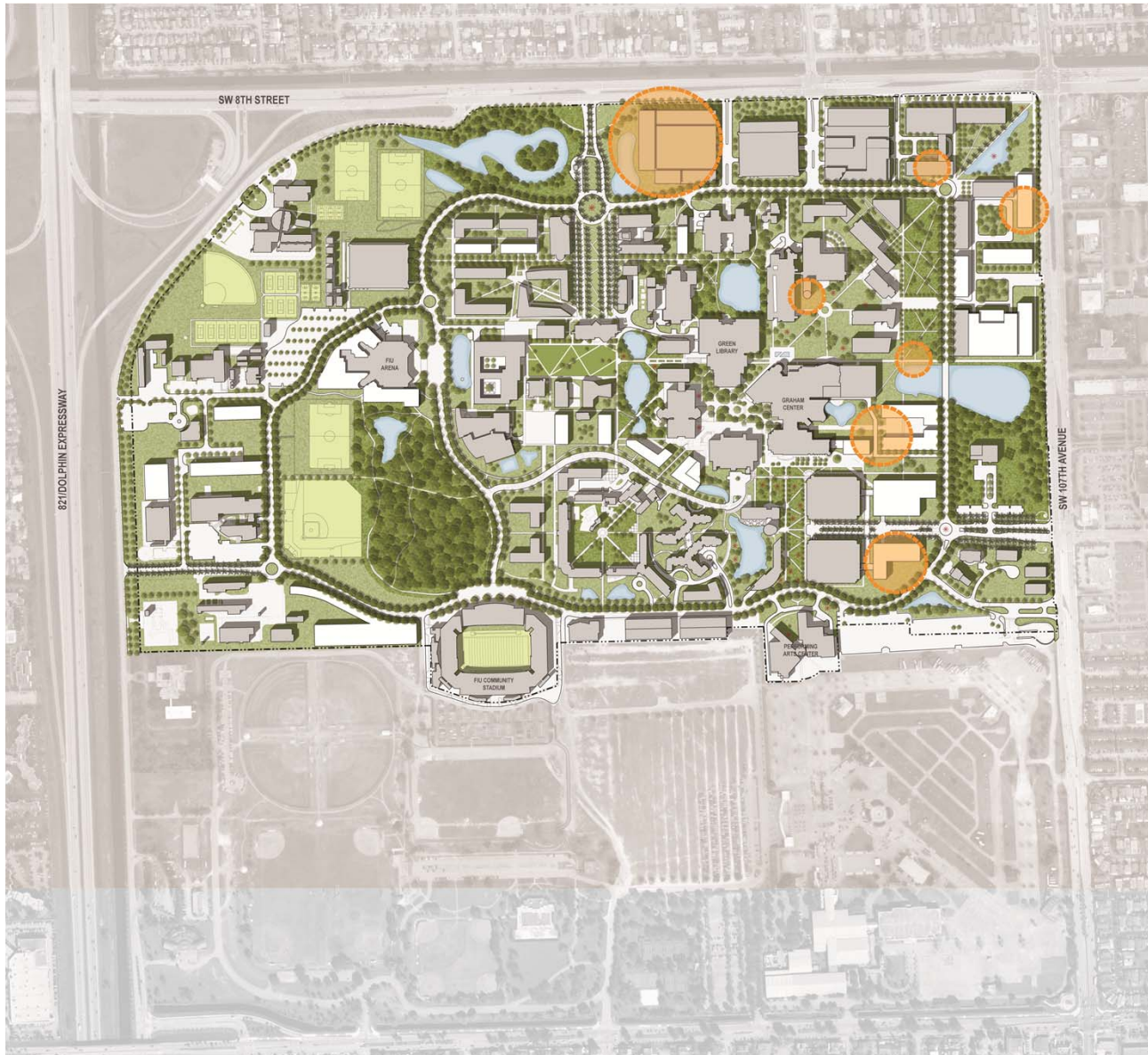
Modesto Maidique Campus

New Projects

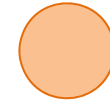


Modesto Maidique Campus

New Projects



key:



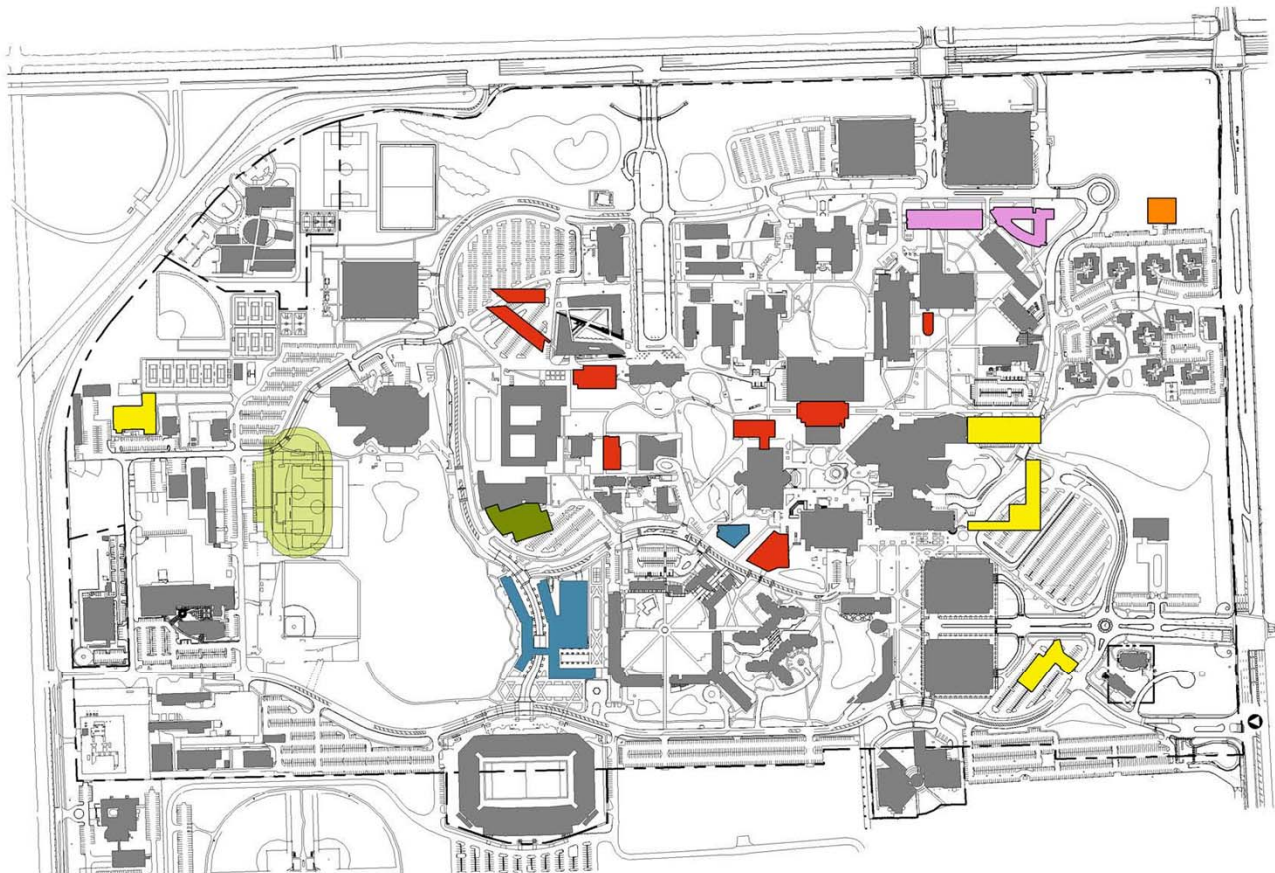
new projects

Projects:

- Parking Garage 6
- ACC
- 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

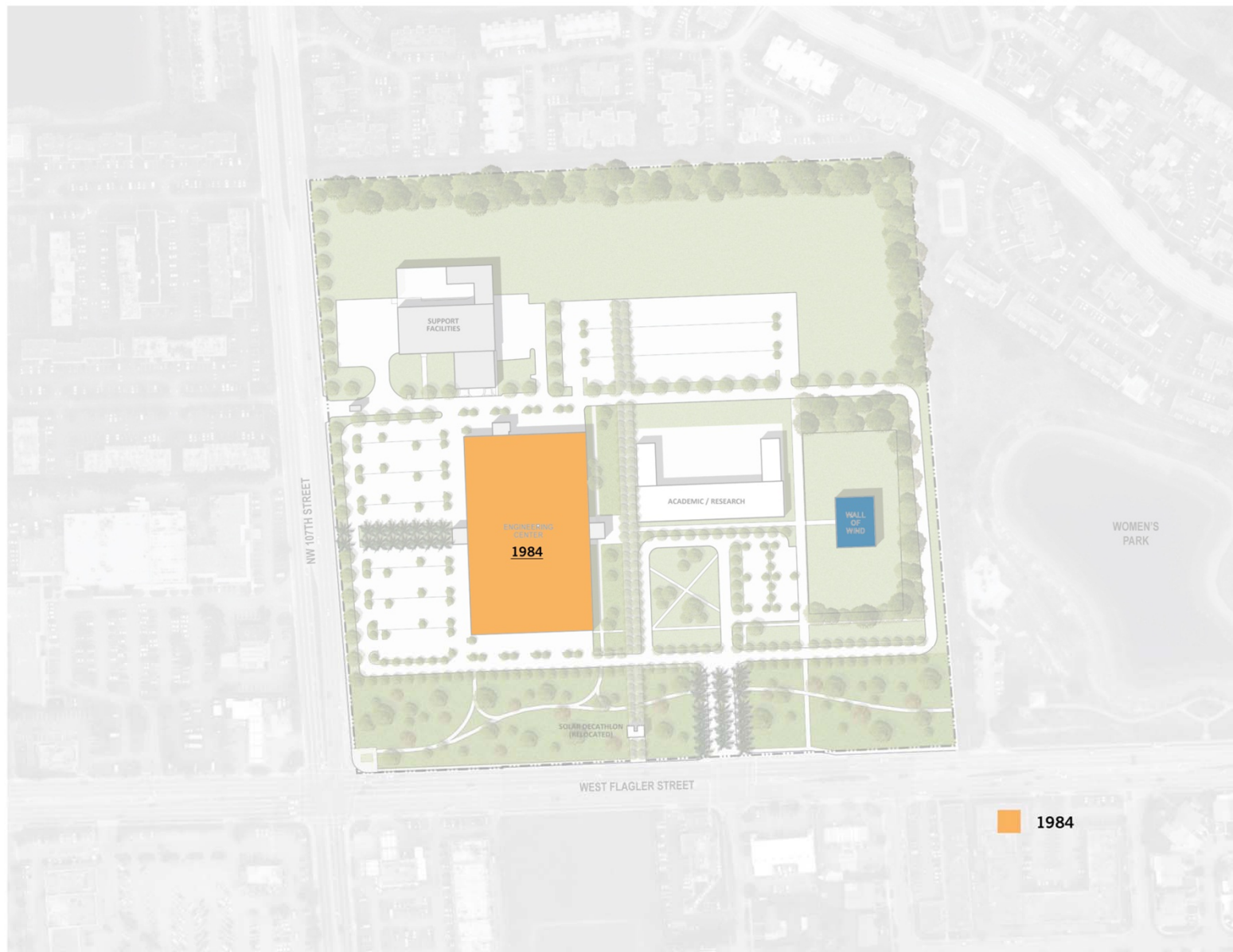


EC VISION PLAN REVIEW

2b

Engineering Center

Historical growth



Vision Plan (from 2010 Master Plan)



KEY MAP

The map shows the following locations and features:

- EC (Everglades Center):** Located near the intersection of I-95 and I-195, south of the Turnpike Extension.
- BBC (Biscayne Bay Center):** Located in the northern part of the county, near the intersection of I-95 and I-195, north of the Turnpike Extension.
- MAMC (Miami American Medical Center):** Located in the southern part of the county, near the intersection of I-95 and I-195, south of the Turnpike Extension.
- Other labels on the map:** TURNPIKE EXTENSION, I-95, I-195, US-1, MIAMI - DADE COUNTY, MIAMI BEACH, BISCAYNE BAY, WEST FLAGLER ST, SW 24TH ST, SW 30TH ST, SW 36TH ST, SW 42ND ST, SW 48TH ST, SW 54TH ST, SW 60TH ST, SW 66TH ST, SW 72ND ST, SW 78TH ST, SW 84TH ST, SW 90TH ST, SW 96TH ST, SW 102ND ST, SW 108TH ST, SW 114TH ST, SW 120TH ST, SW 126TH ST, SW 132TH ST, SW 138TH ST, SW 144TH ST, SW 150TH ST, SW 156TH ST, SW 162TH ST, SW 168TH ST, SW 174TH ST, SW 180TH ST, SW 186TH ST, SW 192TH ST, SW 198TH ST, SW 204TH ST, SW 210TH ST, SW 216TH ST, SW 222TH ST, SW 228TH ST, SW 234TH ST, SW 240TH ST, SW 246TH ST, SW 252TH ST, SW 258TH ST, SW 264TH ST, SW 270TH ST, SW 276TH ST, SW 282TH ST, SW 288TH ST, SW 294TH ST, SW 300TH ST, SW 306TH ST, SW 312TH ST, SW 318TH ST, SW 324TH ST, SW 330TH ST, SW 336TH ST, SW 342TH ST, SW 348TH ST, SW 354TH ST, SW 360TH ST, SW 366TH ST, SW 372TH ST, SW 378TH ST, SW 384TH ST, SW 390TH ST, SW 396TH ST, SW 402TH ST, SW 408TH ST, SW 414TH ST, SW 420TH ST, SW 426TH 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FIGURE: O.2b
Engineering Center
VISION PLAN



Engineering Center

Urban Design- Framework



Engineering Center

Concept Diagram



Engineering Center

Vision Plan - Proposed

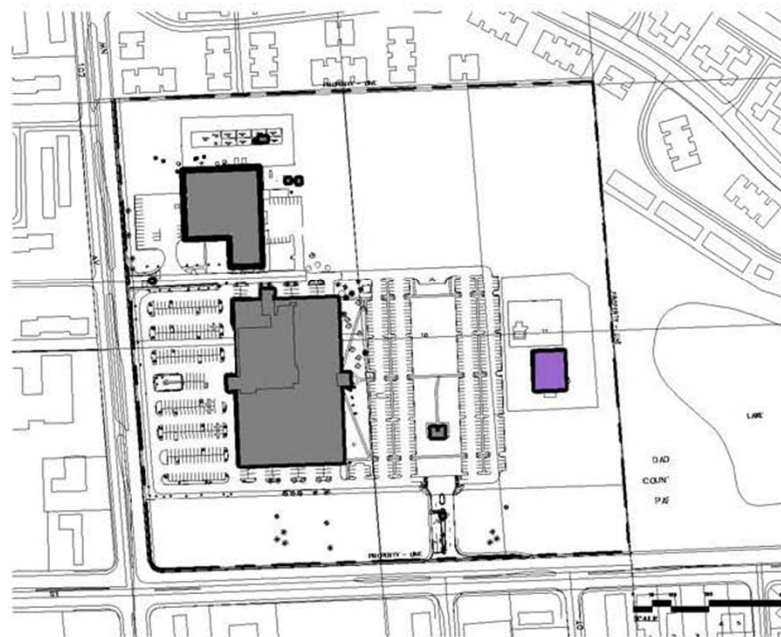


EC CHANGES SINCE 2010

2c

Engineering Center

UPDATES SINCE 2010



03 December 2012

PERKINS+WILL

BBC VISION PLAN REVIEW

3b

Historical growth

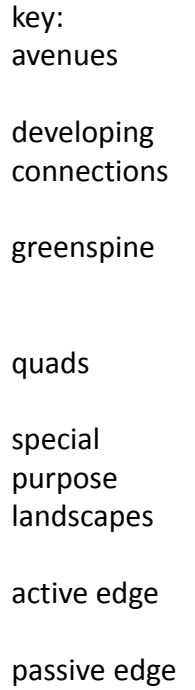


FIGURE: 0.3a
Biscayne Bay Campus
2015 ILLUSTRATIVE PLAN

Vision Plan (from 2010 Master Plan)

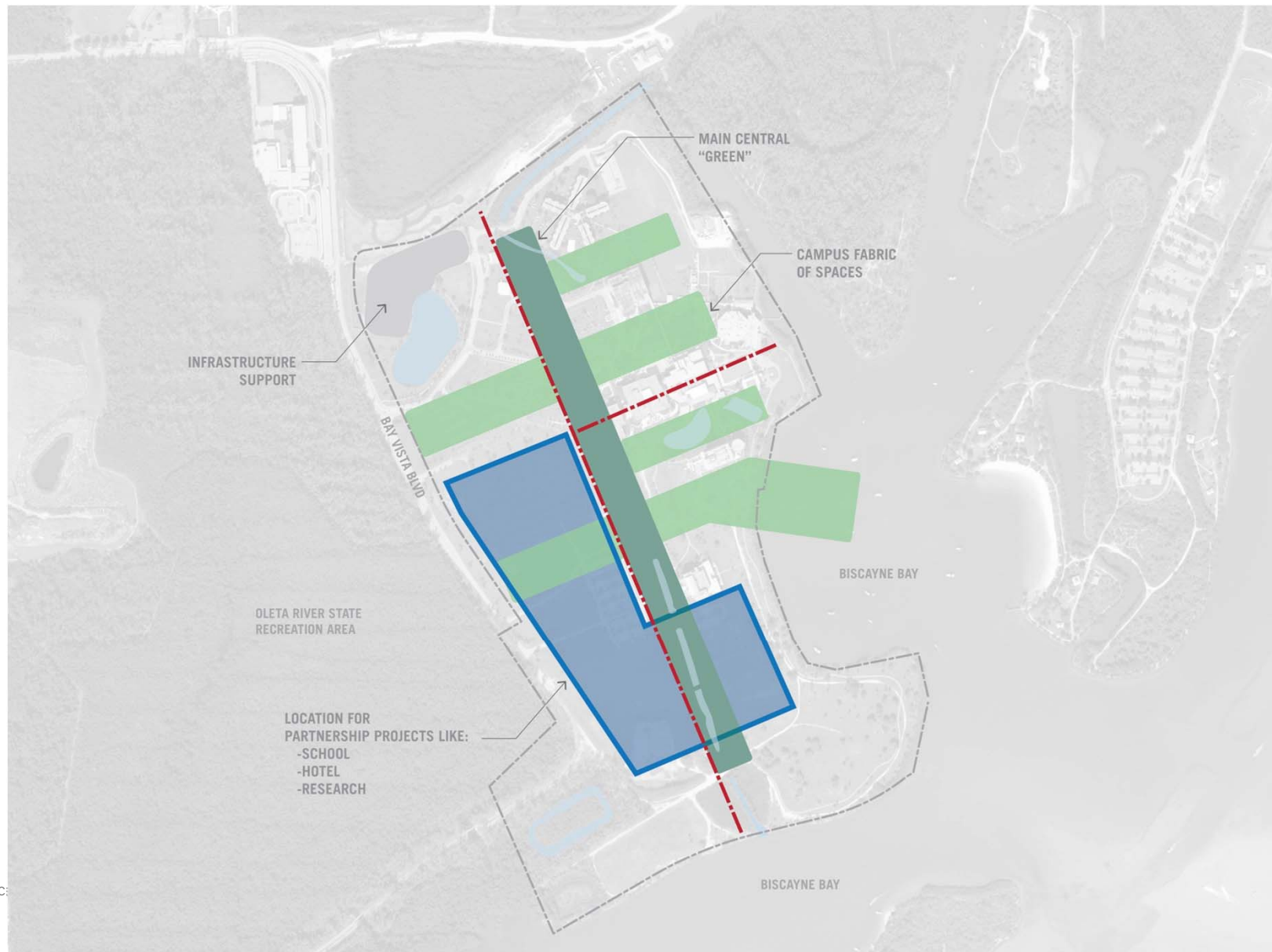


Urban Design - Framework



Biscayne Bay Campus

Concept Diagram



Biscayne Bay Campus

Vision Plan - Proposed



BBC CHANGES SINCE 2010

3c

A large cruise ship is sailing on a blue ocean under a clear sky. The ship is white with a dark funnel and is moving towards the right. The text "Royal Caribbean Production Studio" is overlaid in large, bold, white letters across the middle of the image.

Royal Caribbean Production Studio

The floor plan for Level 01 is organized into three main functional areas:

- Consolidated loading dock:** Located on the left, it includes a large grey area (highlighted with a red dashed box and a blue arrow pointing to it) and a staircase.
- Consolidated reception, display and waiting areas:** This central area contains multiple rooms:
 - Top row: Large dance studio, Performance space, Large dance studio, Large dance studio, Aerial training room, Aerial training room, Large dance studio, Large dance studio.
 - Bottom row: Costume Shop, Costume Shop, Restrooms, Large dance studio, Small dance studio, Large dance studio, Small dance studio, Performance space.
 - Between rows: Rest. (between the first two large dance studios), Rest. (between the two aerial training rooms), and Vocal practice (between the last two large dance studios, highlighted with a red dashed box and a blue arrow pointing to it).
- Celebrity:** Located on the right, it includes:
 - Top row: Stair, Exercise Area.
 - Bottom row: Atrium (highlighted with a red dashed box and a blue arrow pointing to it), Rest, Stair.
 - Between rows: Vocal practice (highlighted with a red dashed box and a blue arrow pointing to it).

Additional labels include "Royal Caribbean" at the bottom and "Level 01" in the top right corner.

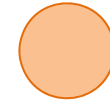


Biscayne Bay Campus

New Projects



key:



new projects

Projects:

- Royal Caribbean Production Studio
- MSM-Wildlife Center
- Boat Dock
- Charter/Magnet School

BBC

Updates and CIP requests since 2010



BISCAYNE BAY CAMPUS

PLANNED PROJECTS



PERKINS
+ WILL

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

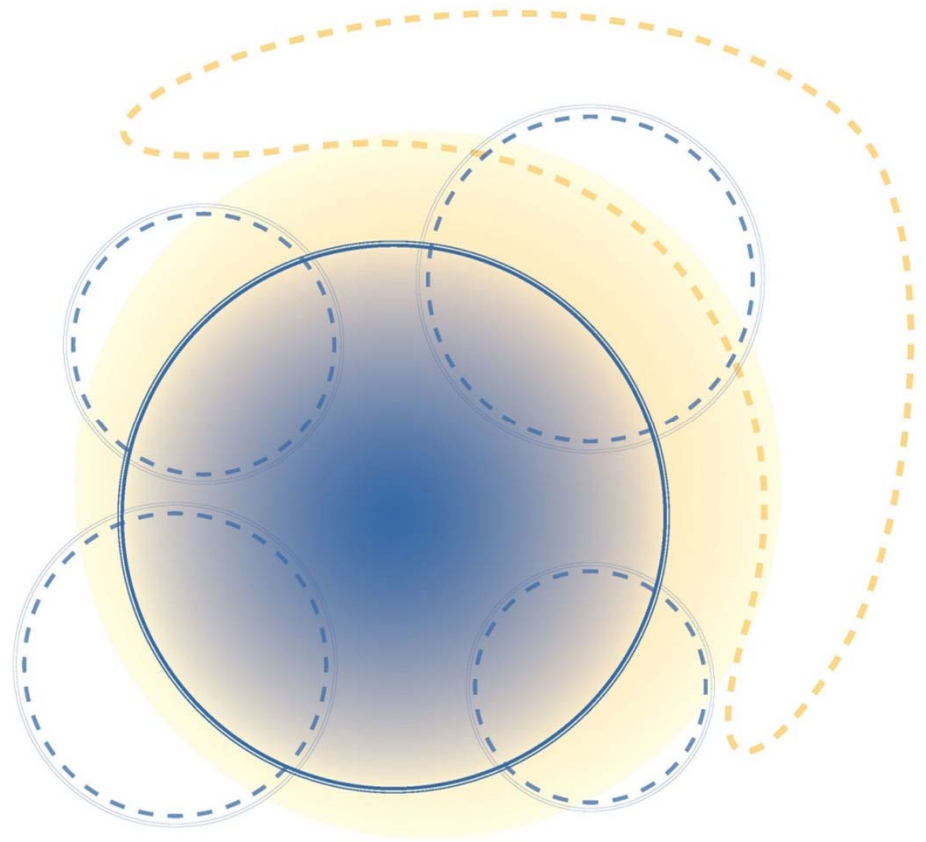
Expand in Place / Create a Strong Core

4a

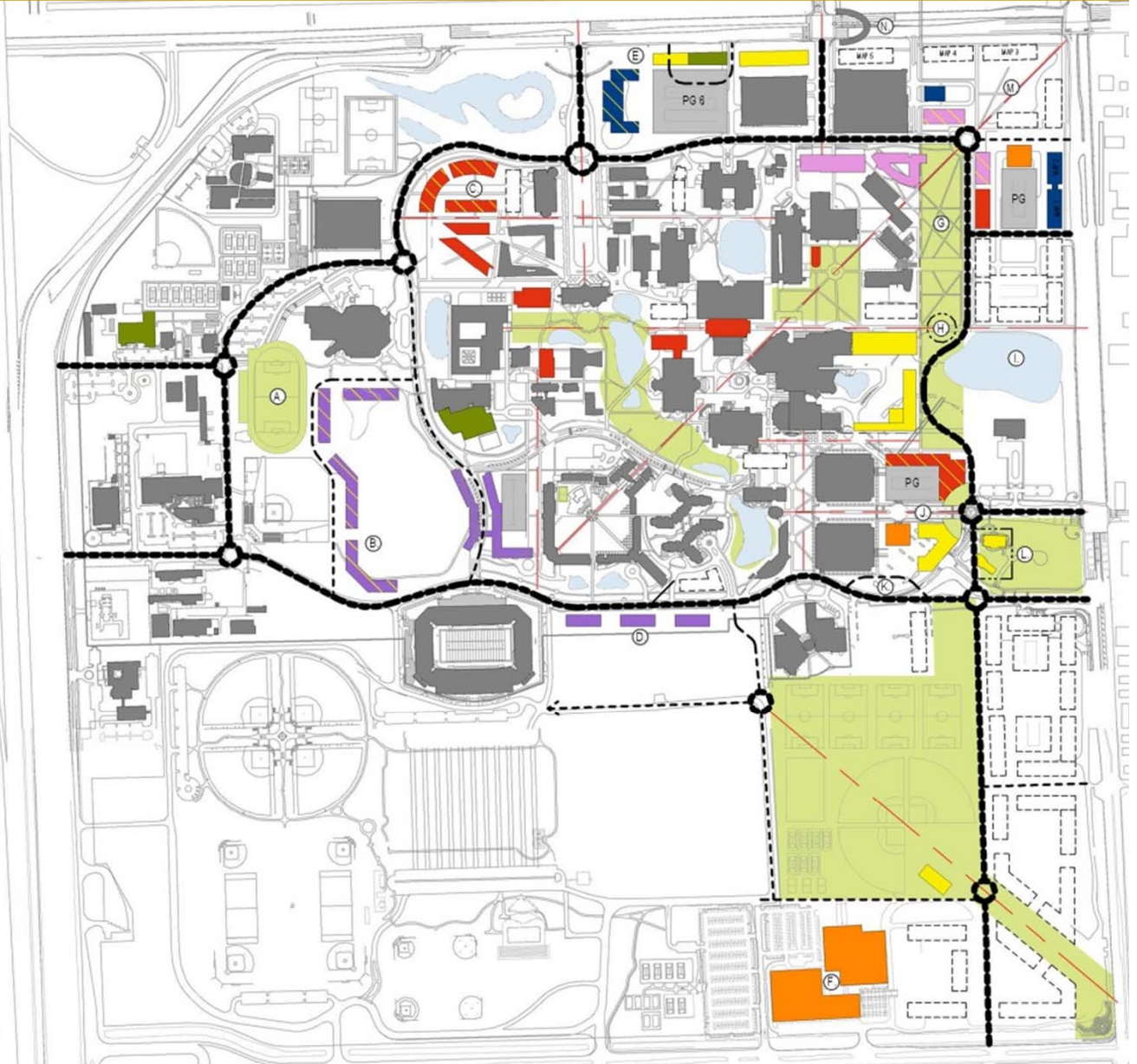
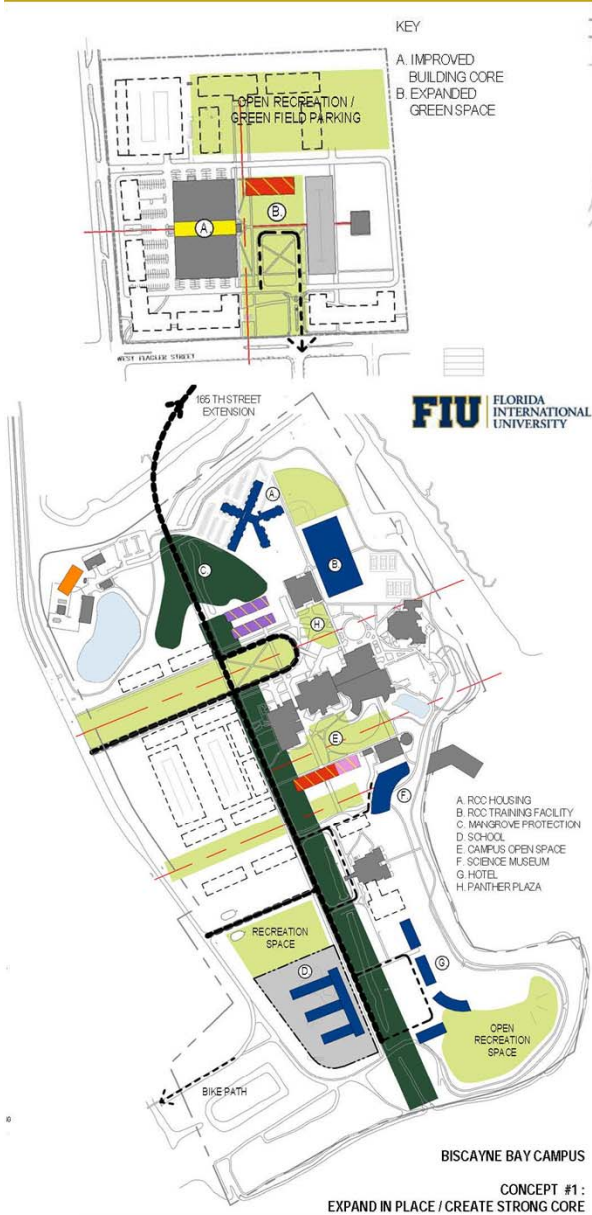
Expand in Place | Create a Strong Core

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

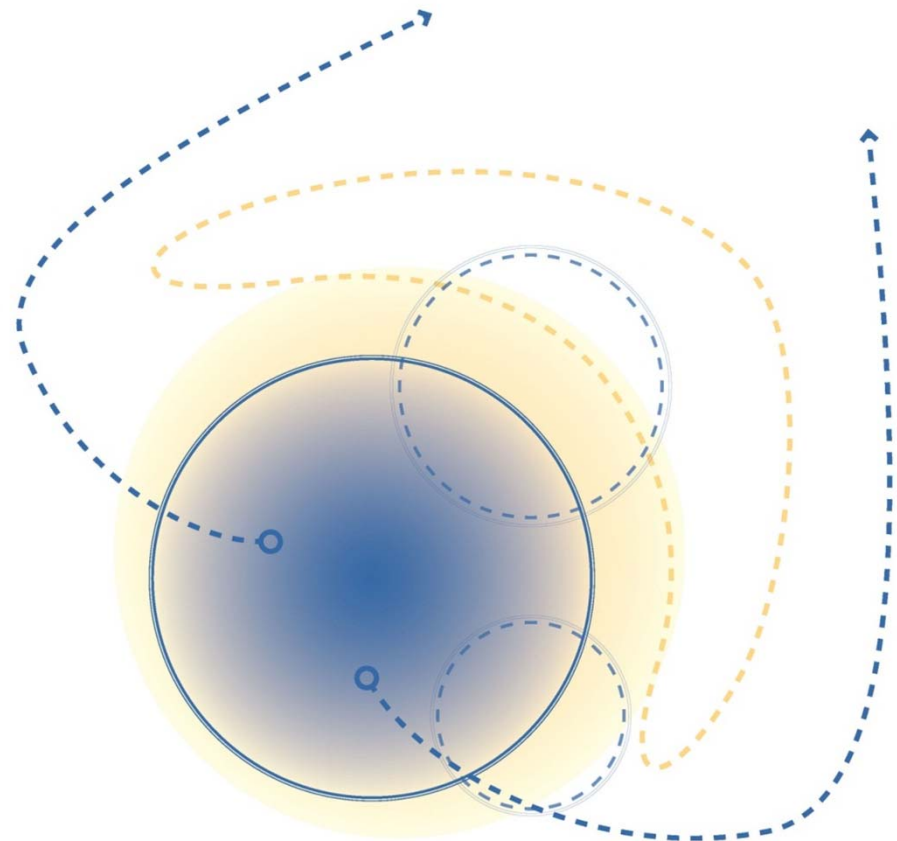
Shift Programs / Reinforce Campus Identity

4b

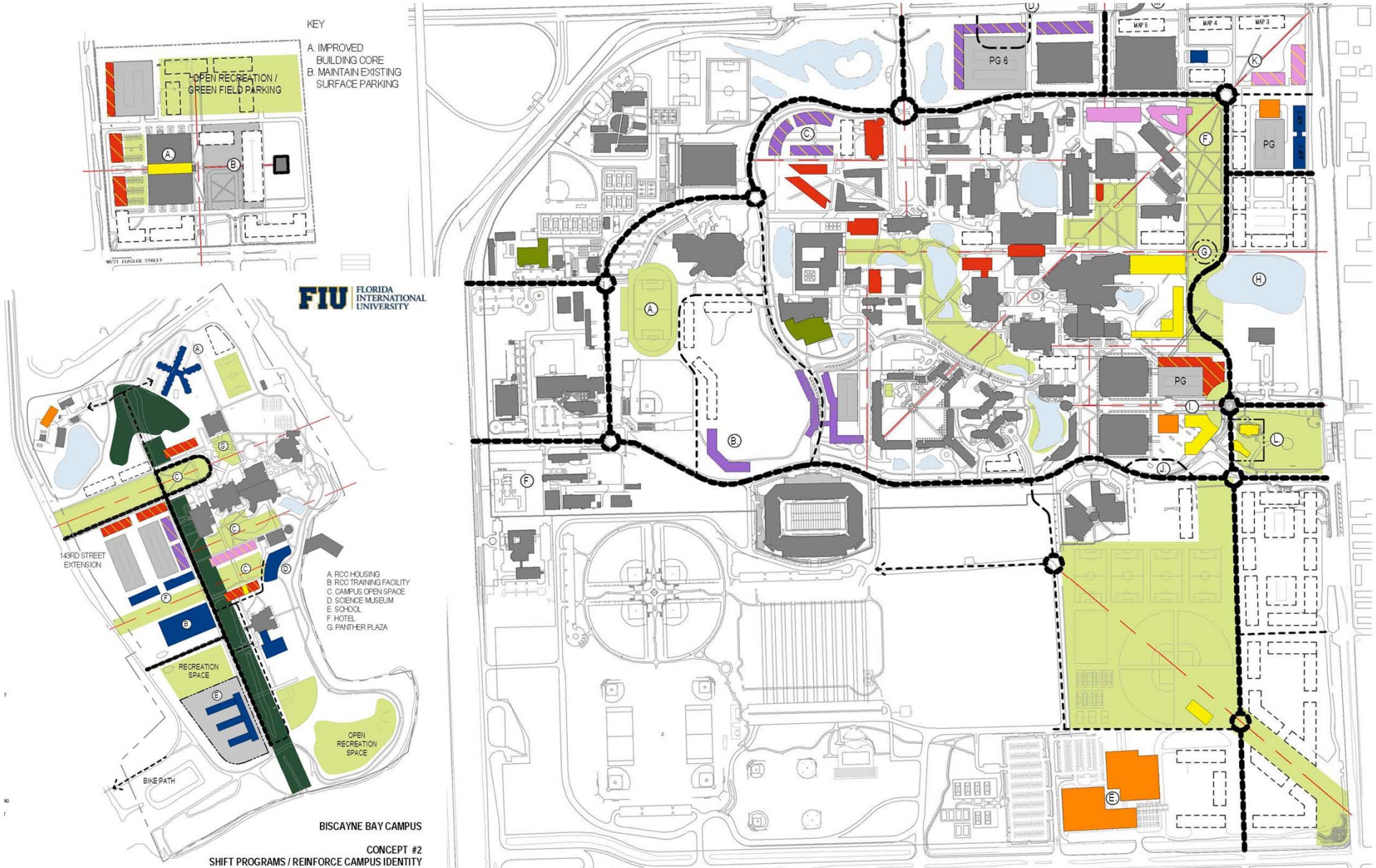
Shift Programs | Reinforce Campus Identity

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

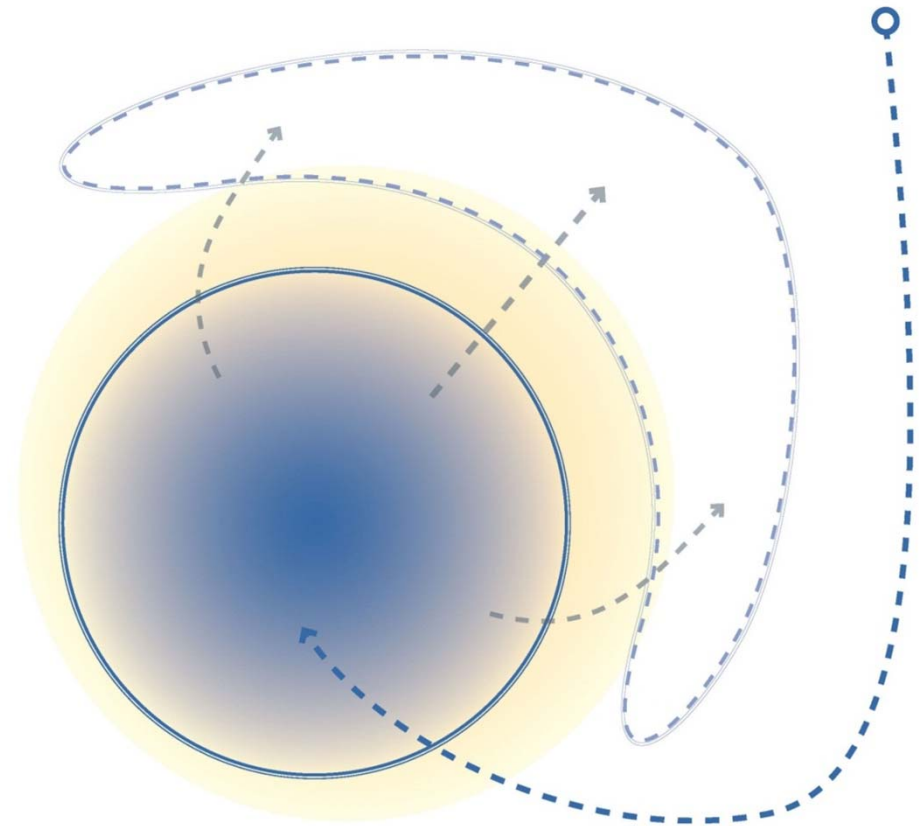
Expand at the Perimeter / Reinforce Partnerships

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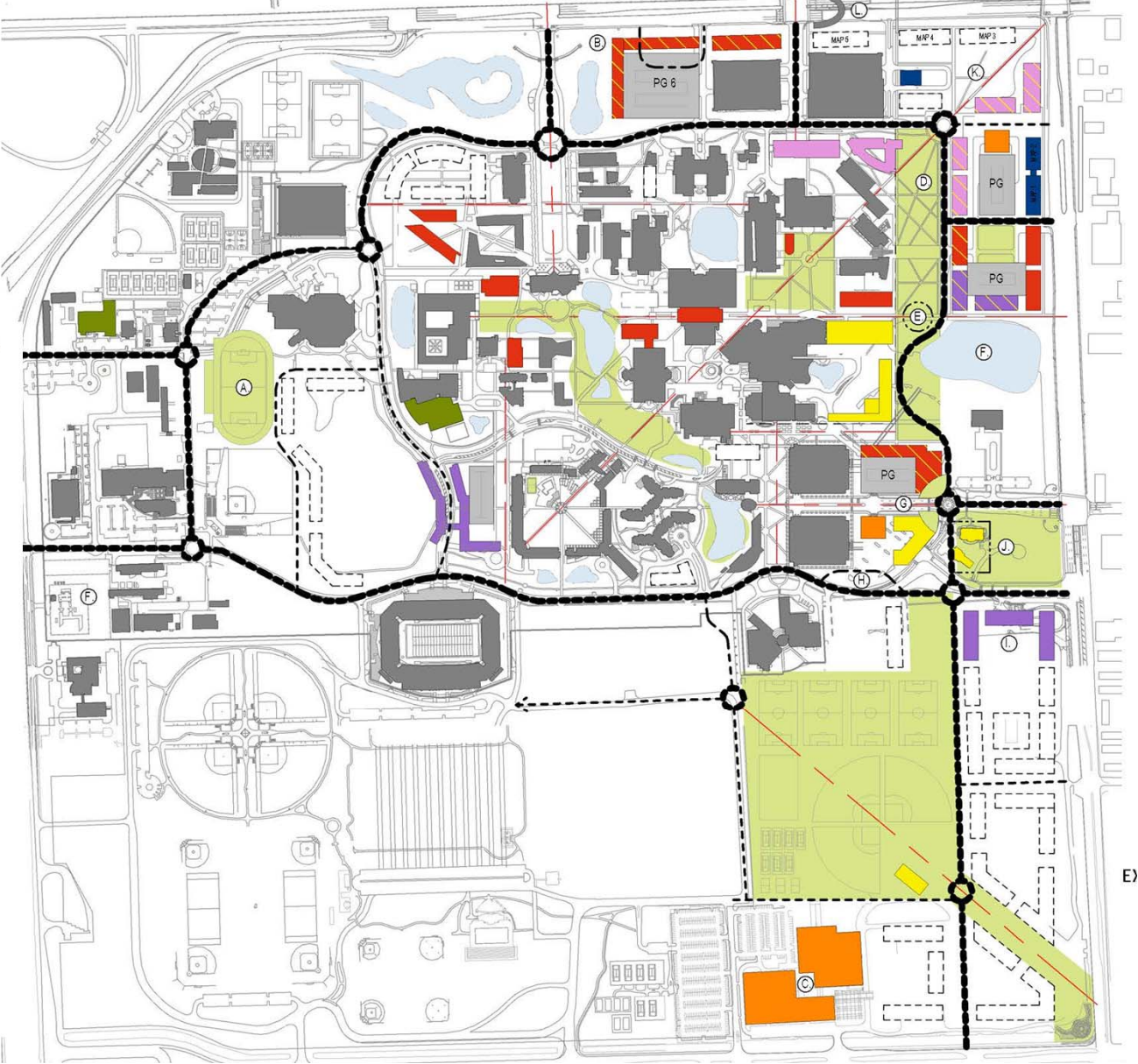
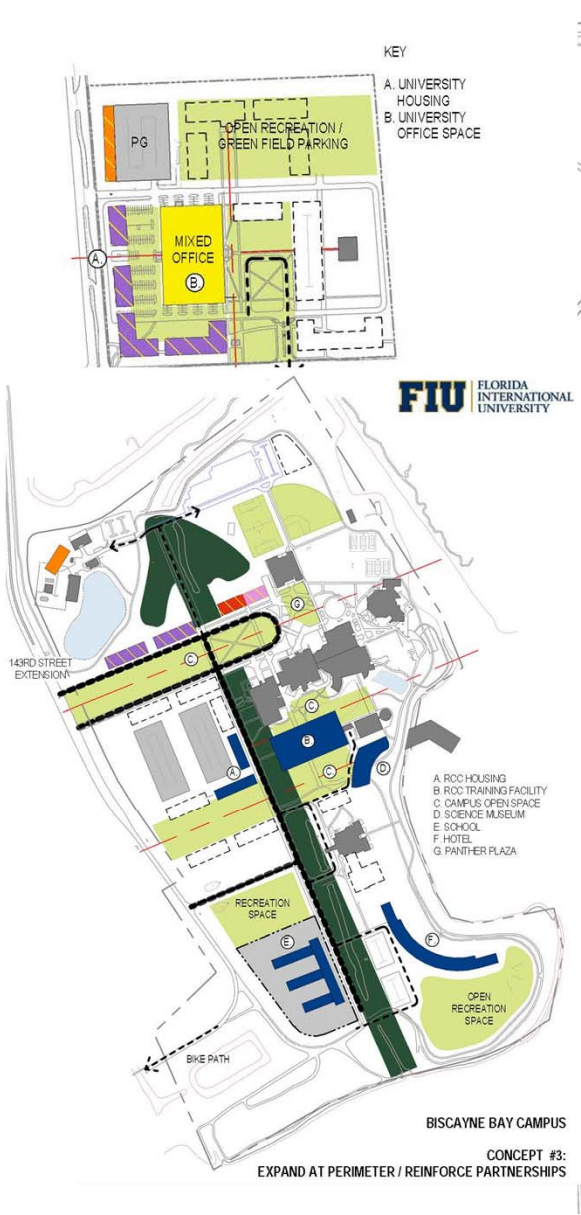
Expand at the Perimeter | Reinforce Partnerships

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**



Concept 3



DISCUSSION

5