



FLORIDA  
INTERNATIONAL  
UNIVERSITY

FLORIDA INTERNATIONAL UNIVERSITY

# CAMPUS MASTER PLAN UPDATE 2010-2020

Work Session #2

03 OCTOBER 2012

PERKINS+WILL



FLORIDA  
INTERNATIONAL  
UNIVERSITY

# FOCUS GROUP 7

# Focus Group 7

## Group 7 Inter-governmental Coordination, Advancement & Alumni Affairs - Agenda:

- Assembly/Introductions: 5 minutes
- Confirmation of Campus Master Plan process, project schedule, and meetings: 5 minutes
- Review and discussion of University strengths and weaknesses: 15 minutes
- Review of enrollment, degree programs, research and clinical projections: 30 minutes
- Review of future building, open space and infrastructure needs: 30 minutes
- Review of campus perimeter and community support opportunities: 30 minutes
- Next Steps: 5 minutes

# Master Planning Schedule

<b>Inventory &amp; Analysis</b>	<b>July-Oct 2012</b>
<b>Preliminary Alternative Concepts</b>	<b>Nov-Dec 2012</b>
<b>Concept Plan Development</b>	<b>Jan 2013</b>
<b>Draft Comprehensive Master Plan</b>	<b>Feb-July 2013</b>
<b>Final Comprehensive Master Plan</b>	<b>Aug-Dec 2013</b>
<b>BOT Approval of Master Plan</b>	<b>Dec 2013</b>

# Planning Precedents / Best Practices

## Important community FIU roles and functions:

- Anchor Institution / Economic Driver
- Fulfill a social need
- Cultural and recreational resource
- Access to Medical School clinics and doctor's offices
- Access to problem-solving, applied learning, institutes and research activities on campus

## “University City” Alliance for MMC/EC: extend prototype to BBC

- mutual aid agreements
- joint planning efforts
- mutually beneficial development
- TIGER grants

## Research Park Best Practices:

- University of Akron
- Innovation Square/UF: converted old hospital site into mixed use, housing, research, retail
- UCF/Lake Nona, Orlando
- Baylor University, Texas: converted old tire manufacturing plant into Engineering Research facility
- NC State-Centennial Campus: converted golf course into housing, academic, research
- USF, Tampa
- UM/Life Science Park

# Campus Issues / Opportunities

# Campus Strengths

## Facilities



**Greek housing represent growing student body**



**New campus buildings mirror student population growth**

# Campus Strengths

## Open Space



Streetscape along mixed-use development



Landscape used to enhance architecture



# Campus Issues / Opportunities

## Facilities



Improved + expanded student meeting spaces



Improved + expanded bookstore



Additional student information centers

# Campus Issues / Opportunities

## Open Space



**Pond area overgrown with invasive species**



**Under utilized and unkempt nature preserve**



**Poorly maintained landscape**

# Campus Issues / Opportunities

## Circulation + Parking



Improved campus access



Increased parking facilities

# Planning Precedents

## Sustainability Initiatives



Loyola Marymount University - Reclaimed water for irrigation



Arizona State University – Campus Engagement



Loyola Marymount University – Powering Stations



University of Colorado – Sustainability research and engagement

# Planning Precedents

## Sustainability Initiatives



University of California System – Campus wide sustainability



Loyola Marymount University – Water efficient landscaping



Vanderbilt University – Land use practices



Loyola Marymount University – Alt. transportation incentives

# Planning Precedents

## Eco Housing



Duke University – Pratt School of Engineering



Wittenberg University



Cornell University



Plymouth State University

# Planning Precedents

## Landscaping



University of Miami – Architectural Fountain



Gordon College - Amphitheater



University of South Florida – MLK Plaza

# Planning Precedents

## Campus Image + Community



University of Houston – Bronze statue of college mascot



University of Wollongong – Large outdoor chess set



# Enrollment Assumptions and Space Needs by Campus

# Overall University Enrollment Assumptions

University Enrollment By Campus	CURRENT (2011)		2015		2020		2035 (Strategic plan)	
	HC	FTE	HC	FTE	HC	FTE	HC	FTE
<b>MMC-Total</b>								
<i>Enrollment</i>	<b>33,199</b>	<b>19,417</b>	<b>36,084</b>	<b>22,139</b>	<b>37,719</b>	<b>24,650</b>	<b>48,750</b>	<b>34,339</b>
<i>Undergraduate</i>	27,662	15,412	29,816	17,461	31,004	19,489	40,078	27,726
<i>Graduate</i>	5,537	4,005	6,268	4,678	6,715	5,161	8,672	6,613
<b>BBC- Total</b>								
<i>Enrollment</i>	<b>7,273</b>	<b>2,895</b>	<b>7,838</b>	<b>3,267</b>	<b>9,055</b>	<b>3,906</b>	<b>16,000</b>	<b>5,238</b>
<i>Undergraduate</i>	6,713	2,606	7,236	2,950	8,359	3,526	14,769	4,743
<i>Graduate</i>	560	289	602	317	696	380	1,231	495
<b>EEC Total</b>								
<i>Enrollment</i>	<b>2,456</b>	<b>1,055</b>	<b>2,647</b>	<b>1,188</b>	<b>2,918</b>	<b>1,379</b>	<b>3,552</b>	<b>1,894</b>
<i>Undergraduate</i>	1,942	864	2,093	979	2,302	1,137	2,799	1,569
<i>Graduate</i>	514	191	554	209	616	242	753	325
<b>On-Line Total</b>								
<i>Enrollment</i>	<b>14,998</b>	<b>5,985</b>	<b>16,166</b>	<b>6,742</b>	<b>22,707</b>	<b>9,742</b>	<b>31,318</b>	<b>11,326</b>
<i>Undergraduate</i>	13,202	4,997	14,230	5,663	19,996	8,182	27,582	9,516
<i>Graduate</i>	1,796	988	1,936	1,079	2,711	1,560	3,736	1,810
<b>University Total</b>	<b>57,926</b>	<b>29,352</b>	<b>62,735</b>	<b>33,336</b>	<b>72,399</b>	<b>39,677</b>	<b>99,620</b>	<b>52,797</b>

## Key Assumptions/Observations:

- HC includes attendance by one student at multiple venues
- %FTE vs HC does not increase substantively
- Aggressive growth continues, nearly doubling face to face FTE
- E-learning increases from roughly 1/4 to 1/3 total HC; FTE increase less dramatic
- Continued growth on all campuses – proportional to existing distribution

# Modesto Maidique – Housing Assumptions

12%

			2015	2020	2035 (Strategic plan)
		<b>BED COUNTS</b>			
		% of FTE housed on campus			
Total number of Beds					
836		39%	1200	1200	1566
693		37%	654	654	845
885		8%	1119	1119	1430
172		4%	217	217	280
x		#VALUE!	x	x	x
<b>2586</b>		<b>13%</b>	<b>3190</b>	<b>3190</b>	<b>4121</b>
			<b>Total</b>		

20%

			2015	2020	2035 (Strategic plan)
		<b>BED COUNTS</b>			
		% of FTE housed on campus			
Total number of Beds					
836		39%	1200	1200	1860
693		37%	642	846	990
885		8%	1953	2174	3029
172		4%	633	710	989
x		#VALUE!	x	x	x
<b>2586</b>		<b>13%</b>	<b>4428</b>	<b>4930</b>	<b>6868</b>
			<b>Total</b>		

# Biscayne Bay – Housing Assumptions

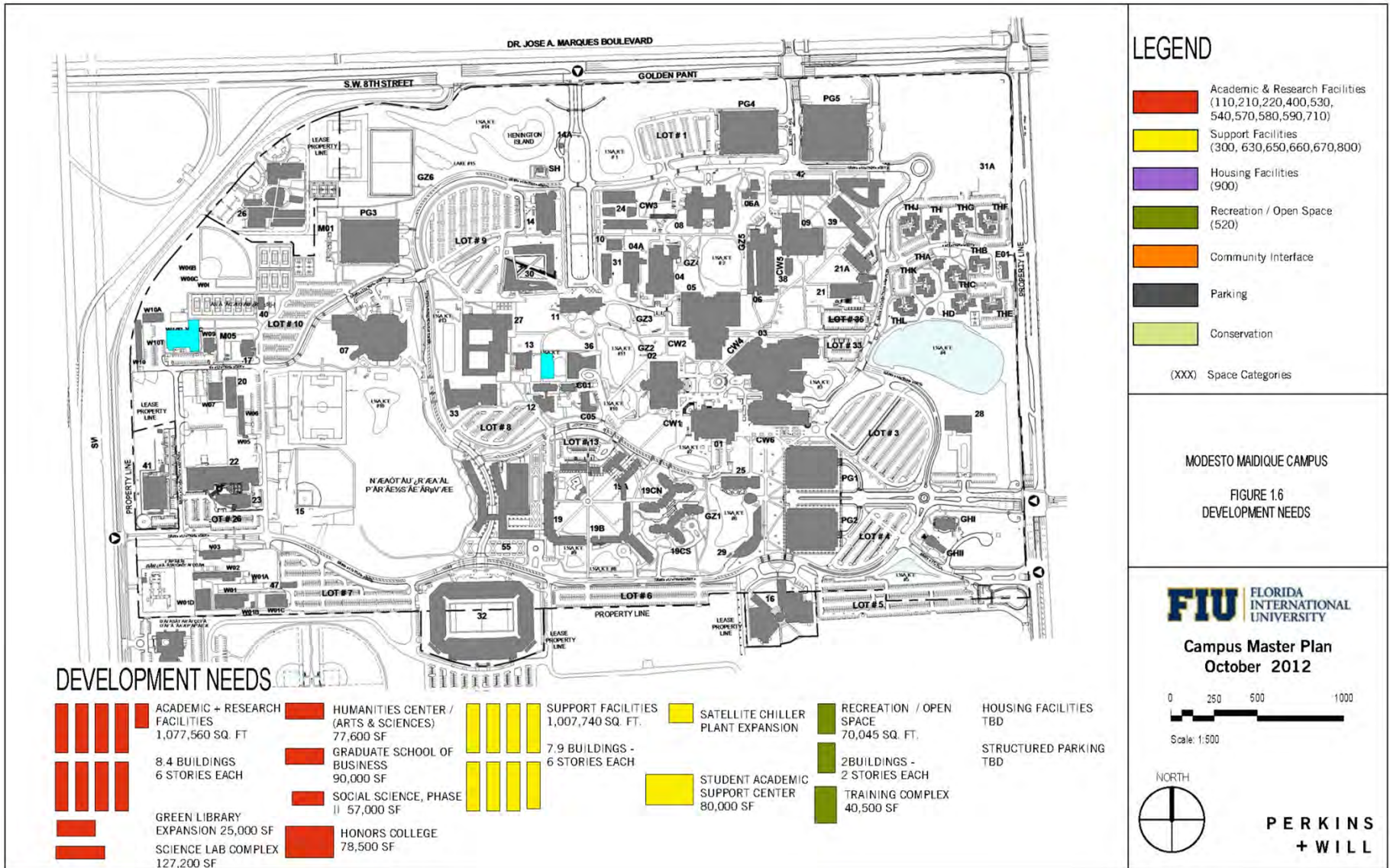
12%

						2015	2020	2035 (Strategic plan)
		<b>BED COUNTS</b>				<b>Target Bed Counts</b>		
		% of FTE housed on campus		Students by year				
Total number of Beds								
74		20%		First Year		107	128	171
38		12%		Second Year		56	66	90
121		6%		Upper Division		173	207	277
38		13%		Graduate		56	68	91
x		#VALUE!		Married		x	x	x
271		9%		Total		392	469	629

20%

						2015	2020	2035 (Strategic plan)
		<b>BED COUNTS</b>				<b>Target Bed Counts</b>		
		% of FTE housed on campus		Students by year				
Total number of Beds								
74		20%		First Year		178	212	285
38		12%		Second Year		93	112	150
121		6%		Upper Division		288	344	462
38		13%		Graduate		94	113	151
x		#VALUE!		Married		x	x	x
271		9%		Total		653	781	1048

# Modesto Maidique- Development Needs Diagram



### LEGEND

- Academic & Research Facilities (110,210,220,400,530, 540,570,580,590,710)
- Support Facilities (300, 630,650,660,670,800)
- Housing Facilities (900)
- Recreation / Open Space (520)
- Community Interface
- Parking
- Conservation

(XXX) Space Categories

**MODESTO MAIDIQUE CAMPUS**  
 FIGURE 1.6  
 DEVELOPMENT NEEDS

**FIU** FLORIDA INTERNATIONAL UNIVERSITY  
 Campus Master Plan  
 October 2012

0 250 500 1000  
 Scale: 1:500

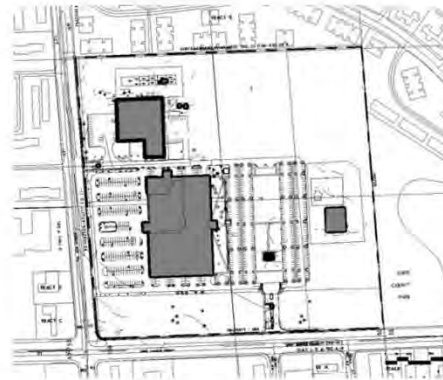
NORTH

**PERKINS + WILL**

## DEVELOPMENT NEEDS

<ul style="list-style-type: none"> <li><span style="display: inline-block; width: 20px; height: 10px; background-color: red; margin-right: 5px;"></span> <b>ACADEMIC + RESEARCH FACILITIES</b> 1,077,560 SQ. FT.</li> <li><span style="display: inline-block; width: 20px; height: 10px; background-color: red; margin-right: 5px;"></span> 8.4 BUILDINGS 6 STORIES EACH</li> <li><span style="display: inline-block; width: 20px; height: 10px; background-color: red; margin-right: 5px;"></span> GREEN LIBRARY EXPANSION 25,000 SF</li> <li><span style="display: inline-block; width: 20px; height: 10px; background-color: red; margin-right: 5px;"></span> SCIENCE LAB COMPLEX 127,200 SF</li> </ul>	<ul style="list-style-type: none"> <li><span style="display: inline-block; width: 20px; height: 10px; background-color: red; margin-right: 5px;"></span> <b>HUMANITIES CENTER / (ARTS &amp; SCIENCES)</b> 77,600 SF</li> <li><span style="display: inline-block; width: 20px; height: 10px; background-color: red; margin-right: 5px;"></span> GRADUATE SCHOOL OF BUSINESS 90,000 SF</li> <li><span style="display: inline-block; width: 20px; height: 10px; background-color: red; margin-right: 5px;"></span> SOCIAL SCIENCE, PHASE II 57,000 SF</li> <li><span style="display: inline-block; width: 20px; height: 10px; background-color: red; margin-right: 5px;"></span> HONORS COLLEGE 78,500 SF</li> </ul>	<ul style="list-style-type: none"> <li><span style="display: inline-block; width: 20px; height: 10px; background-color: yellow; margin-right: 5px;"></span> <b>SUPPORT FACILITIES</b> 1,007,740 SQ. FT.</li> <li><span style="display: inline-block; width: 20px; height: 10px; background-color: yellow; margin-right: 5px;"></span> 7.9 BUILDINGS - 6 STORIES EACH</li> <li><span style="display: inline-block; width: 20px; height: 10px; background-color: yellow; margin-right: 5px;"></span> SATELLITE CHILLER PLANT EXPANSION</li> <li><span style="display: inline-block; width: 20px; height: 10px; background-color: yellow; margin-right: 5px;"></span> STUDENT ACADEMIC SUPPORT CENTER 80,000 SF</li> </ul>	<ul style="list-style-type: none"> <li><span style="display: inline-block; width: 20px; height: 10px; background-color: green; margin-right: 5px;"></span> RECREATION / OPEN SPACE 70,045 SQ. FT.</li> <li><span style="display: inline-block; width: 20px; height: 10px; background-color: green; margin-right: 5px;"></span> 2BUILDINGS - 2 STORIES EACH</li> <li><span style="display: inline-block; width: 20px; height: 10px; background-color: green; margin-right: 5px;"></span> TRAINING COMPLEX 40,500 SF</li> </ul>	<ul style="list-style-type: none"> <li><span style="display: inline-block; width: 20px; height: 10px; background-color: purple; margin-right: 5px;"></span> HOUSING FACILITIES TBD</li> <li><span style="display: inline-block; width: 20px; height: 10px; background-color: gray; margin-right: 5px;"></span> STRUCTURED PARKING TBD</li> </ul>
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# Engineering Center Campus-Development Needs Diagram



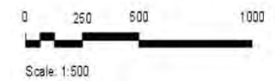
## LEGEND

- Academic & Research Facilities  
(110,210,220,400,530,540,570,580,590,710)
  - Support Facilities  
(300, 630,650,660,670,800)
  - Housing Facilities  
(900)
  - Recreation / Open Space  
(520)
  - Community Interface
  - Parking
  - Conservation
- (XXX) Space Categories

ENGINEERING CENTER CAMPUS  
FIGURE 2.3  
DEVELOPMENT NEEDS

**FIU** FLORIDA INTERNATIONAL UNIVERSITY

Campus Master Plan  
October 2012



PERKINS  
+ WILL

## DEVELOPMENT NEEDS

ACADEMIC + RESEARCH FACILITIES  
NO ADDITIONAL SPACE NEEDED

ENGINEERING BUILDING  
27,840 SF

SUPPORT FACILITIES  
22,000 SQ. FT.

0.2 BUILDINGS - 1 STORY

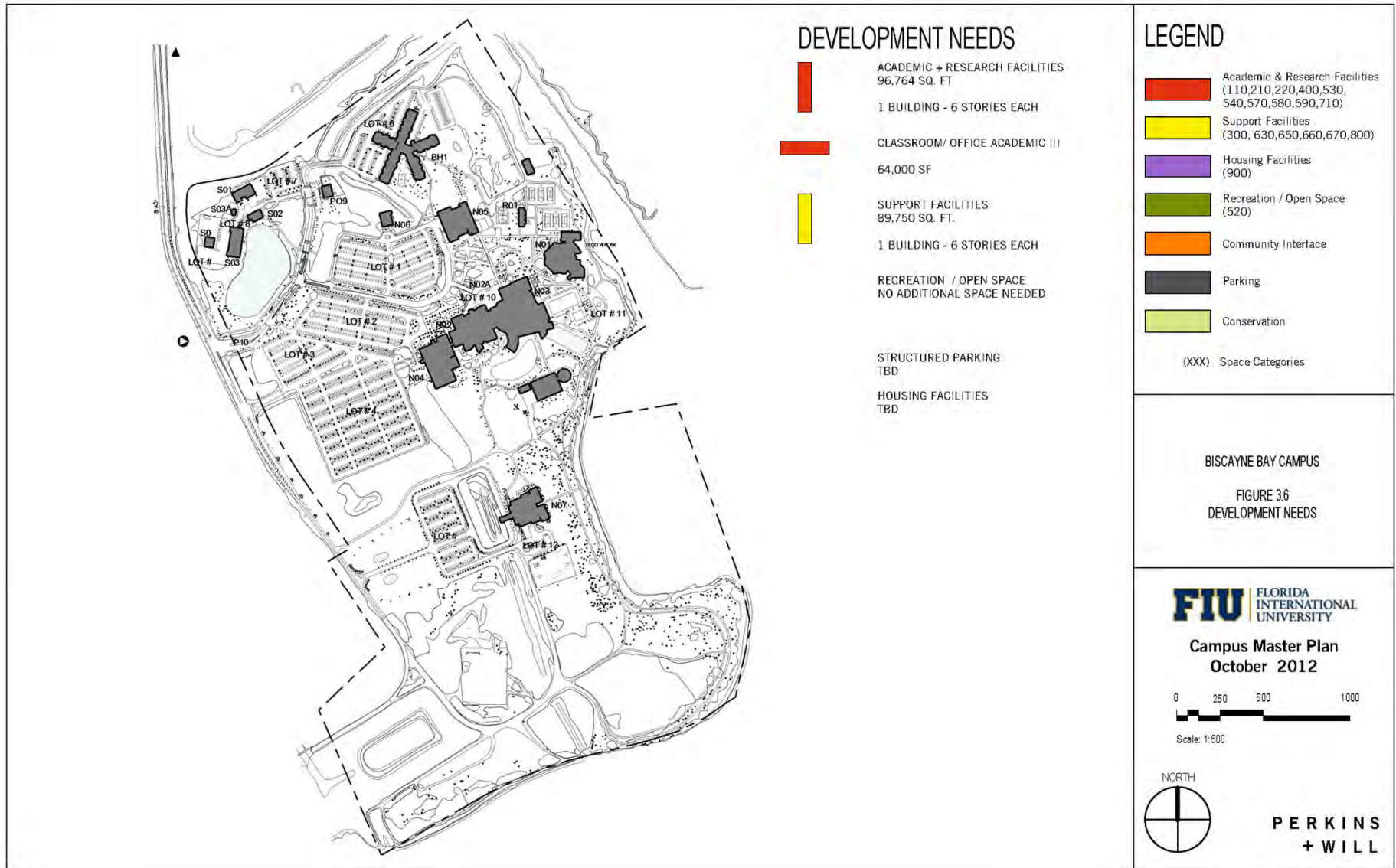
RECREATION / OPEN SPACE  
3,200 SQ. FT.

0.1 BUILDING - 1 STORY

HOUSING FACILITIES  
TBD

STRUCTURED PARKING  
TBD

# Biscayne Bay- Development Needs Diagram



# Supporting Community Context

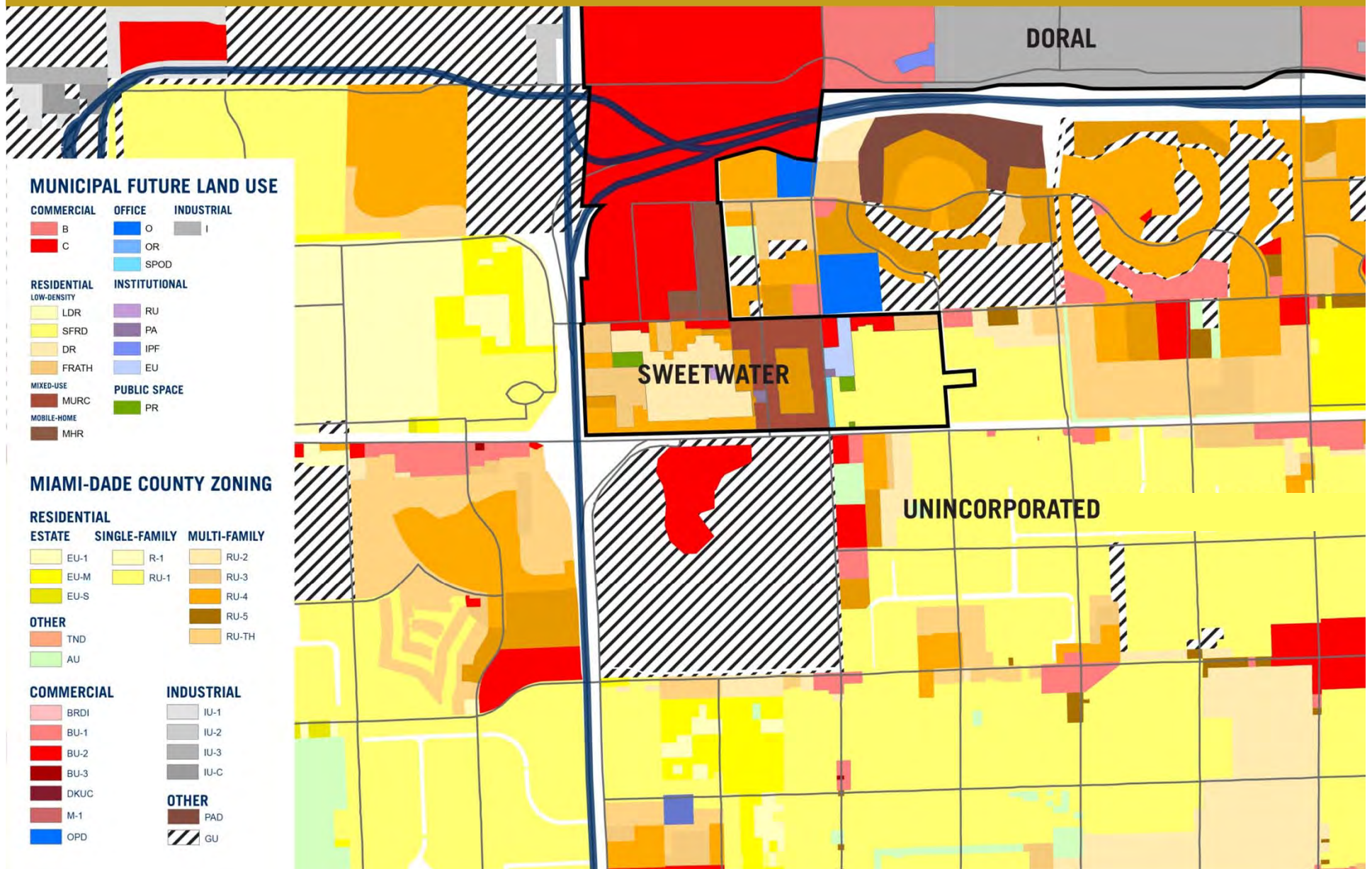


# FIU Campus - Location



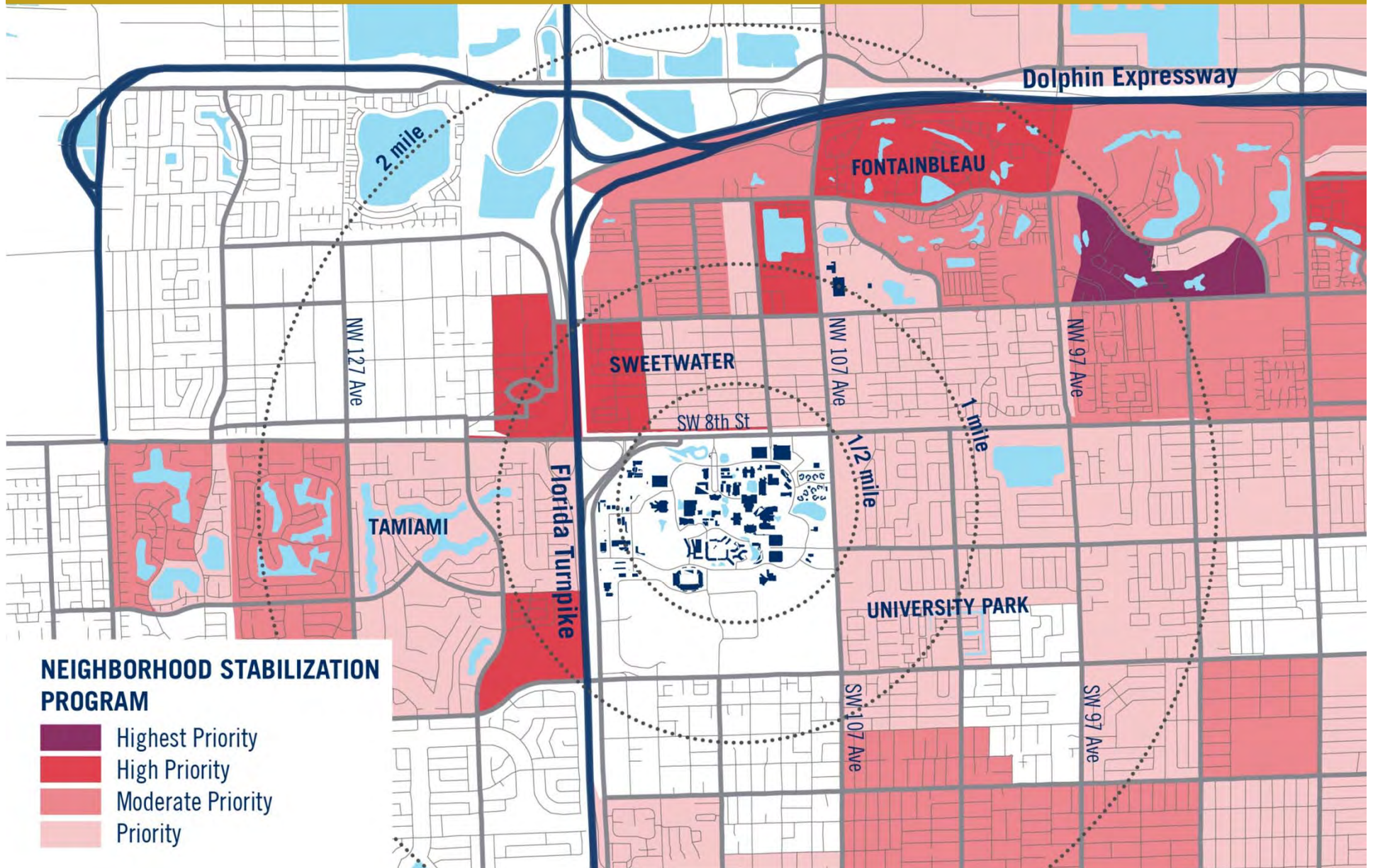
# Modesto Maidique Campus & Engineering Center

## Context Inventory



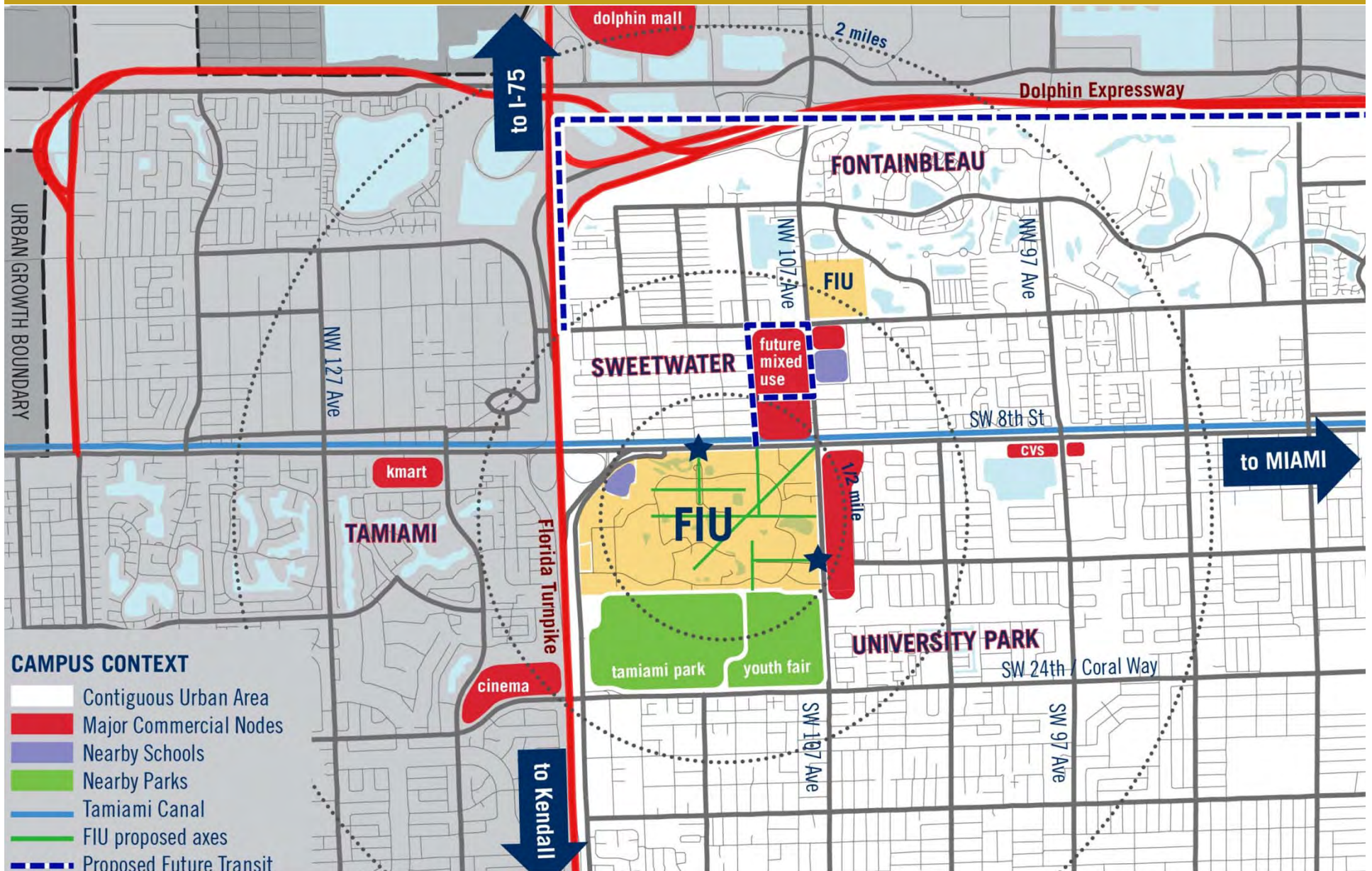
# Modesto Maidique Campus & Engineering Center

## Context Inventory



# Modesto Maidique Campus & Engineering Center

## Context Analysis



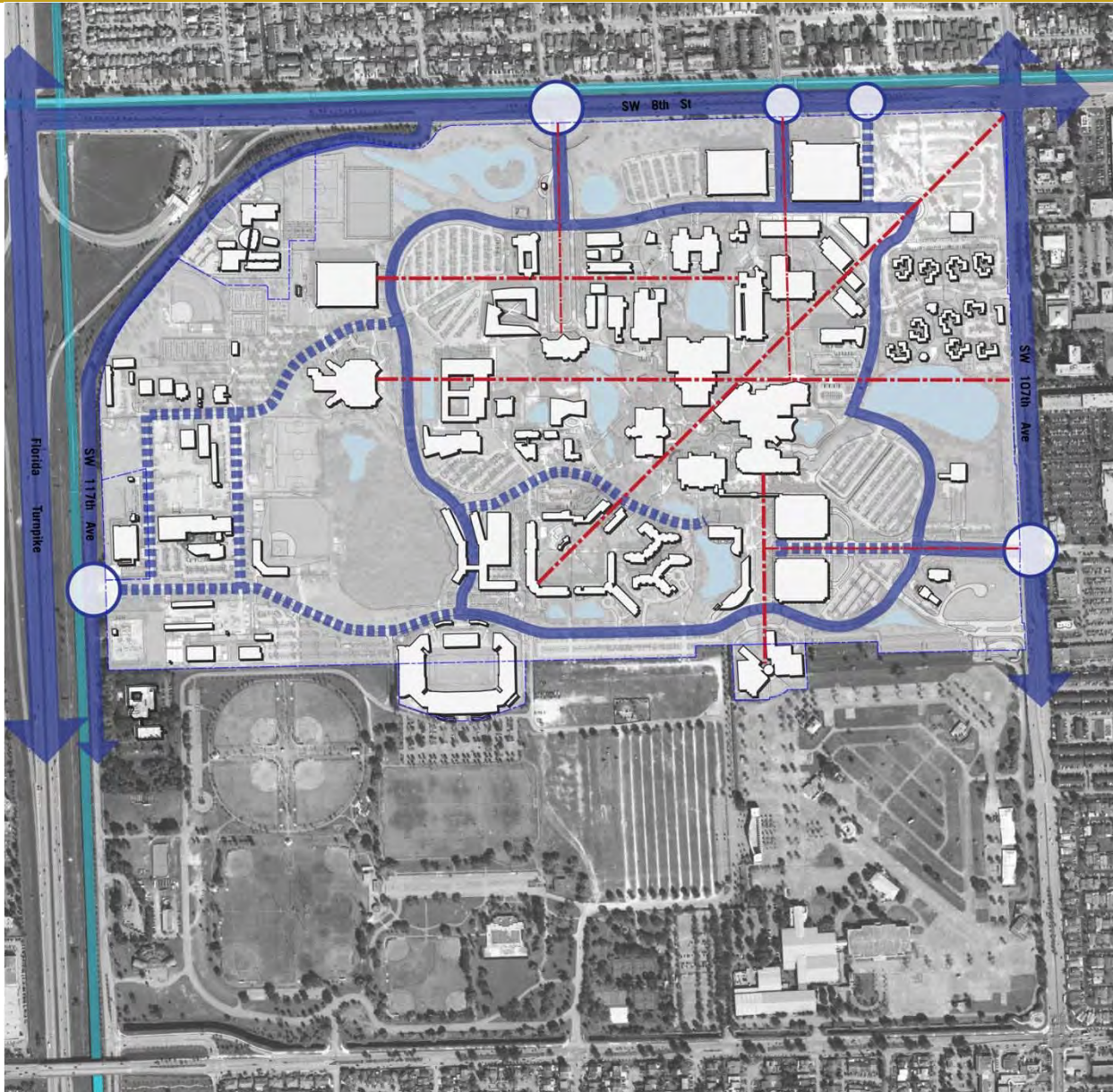
# Future Development: Potential Land Use

# MMC: Surrounding Transportation Infrastructure



# Modesto Maidique Campus

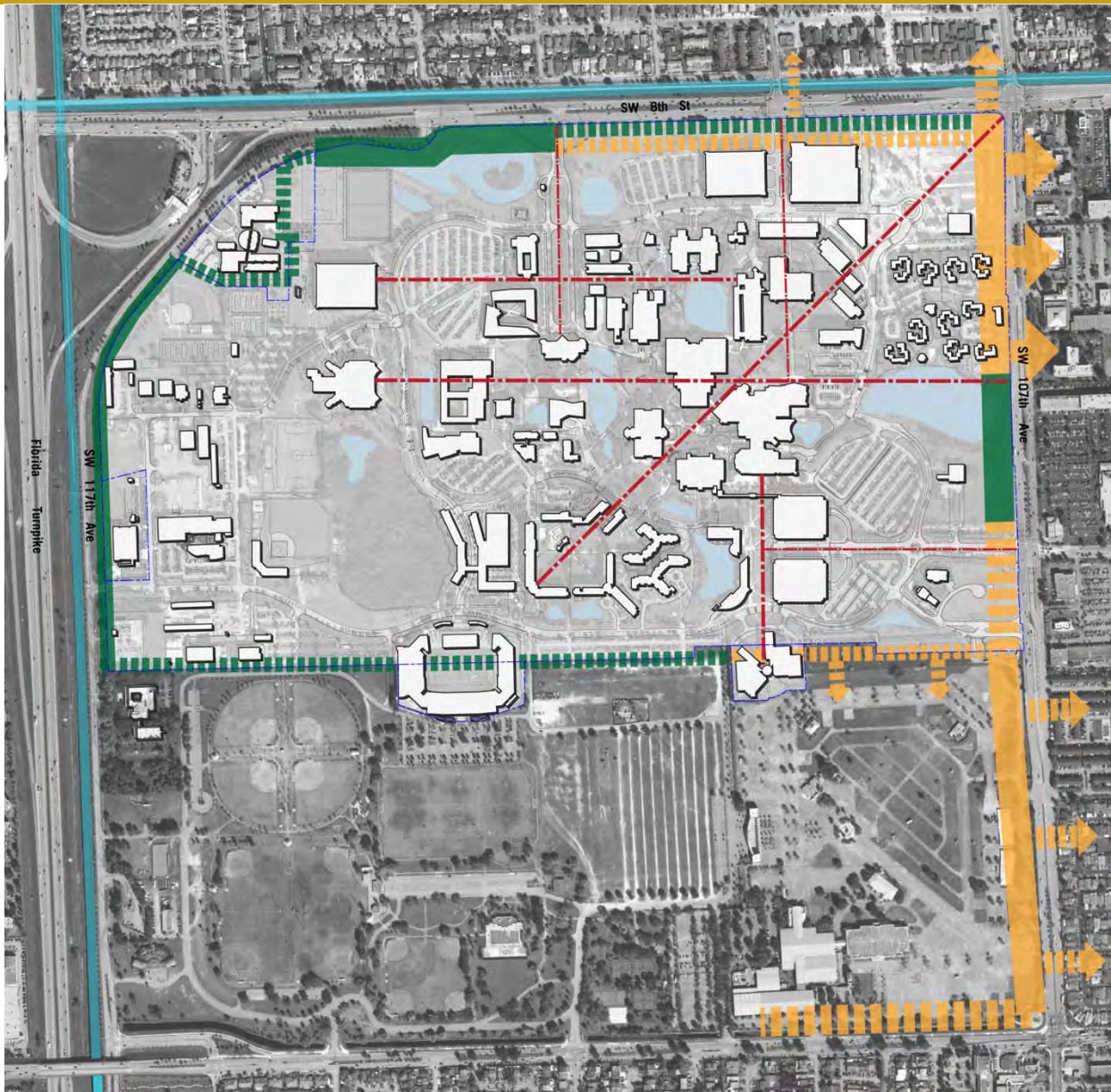
## Existing Vehicular Circulation



- key:
- · — axis
  - gateways
  - ▬ major
  - ▬ minor

# Modesto Maidique Campus

## Existing Campus Edges

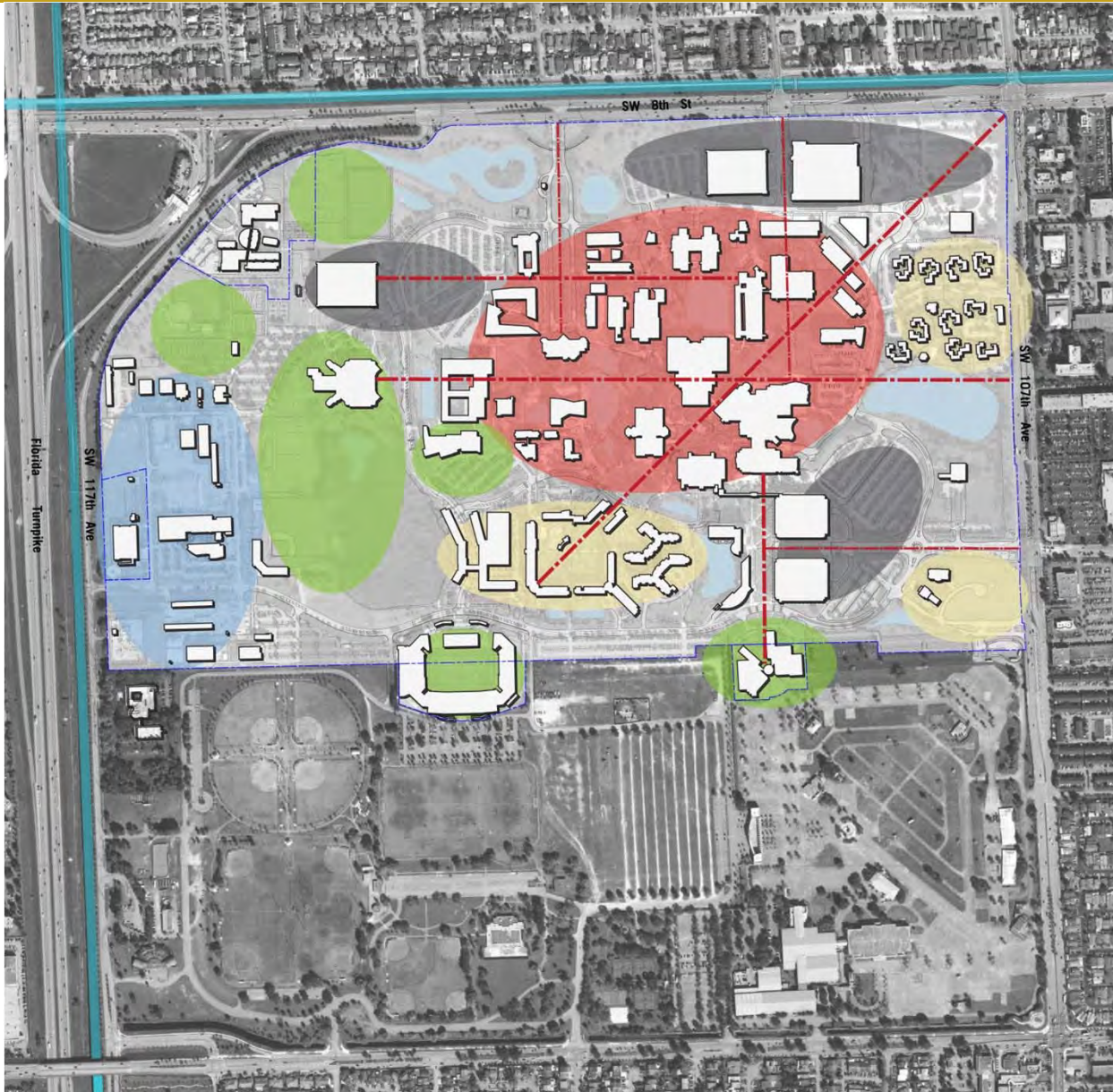


- key:
- axis
  - potential active edge (major)
  - potential active edge (minor)
  - passive (major)
  - passive minor



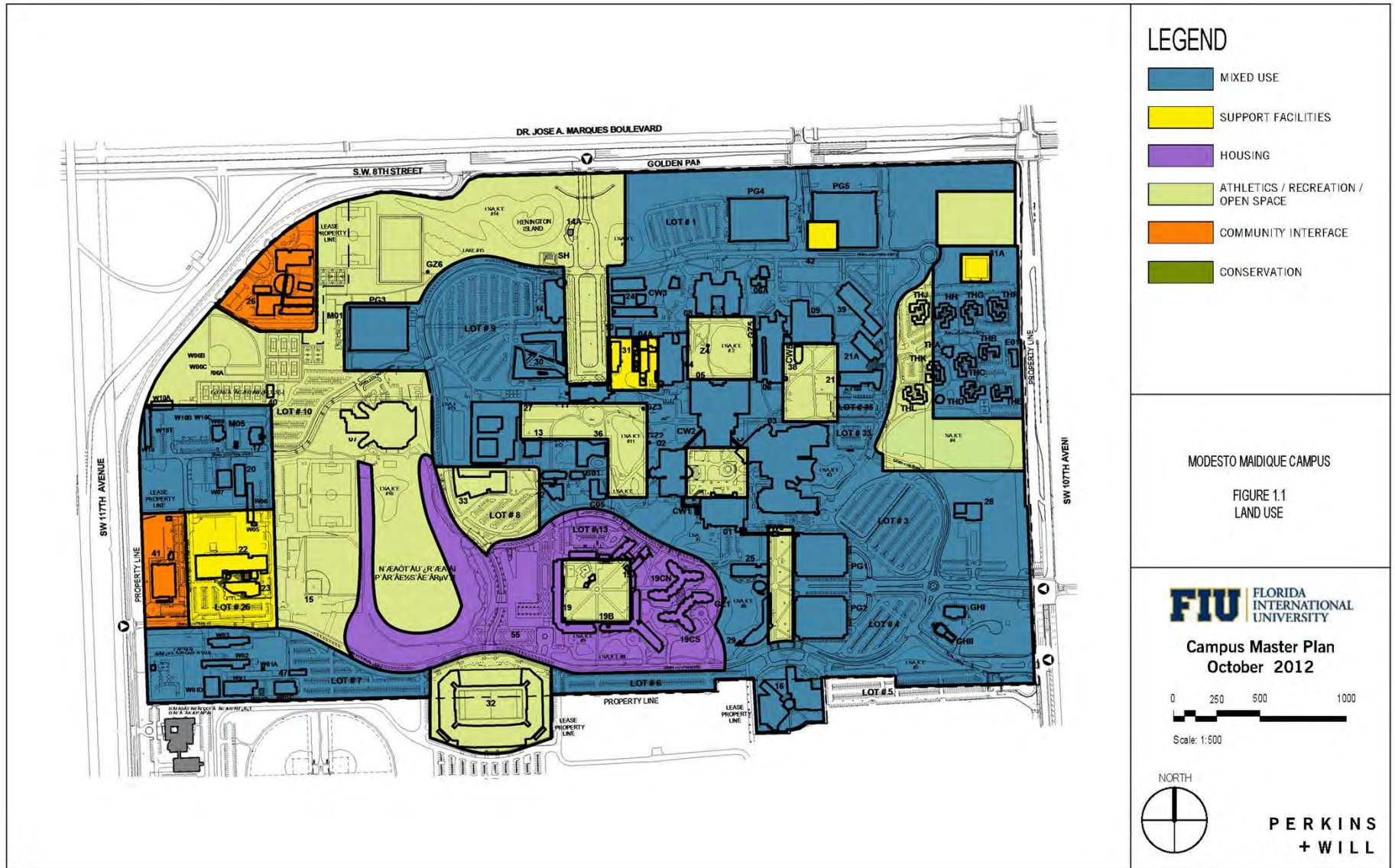
# Modesto Maidique Campus

## Existing Land Uses

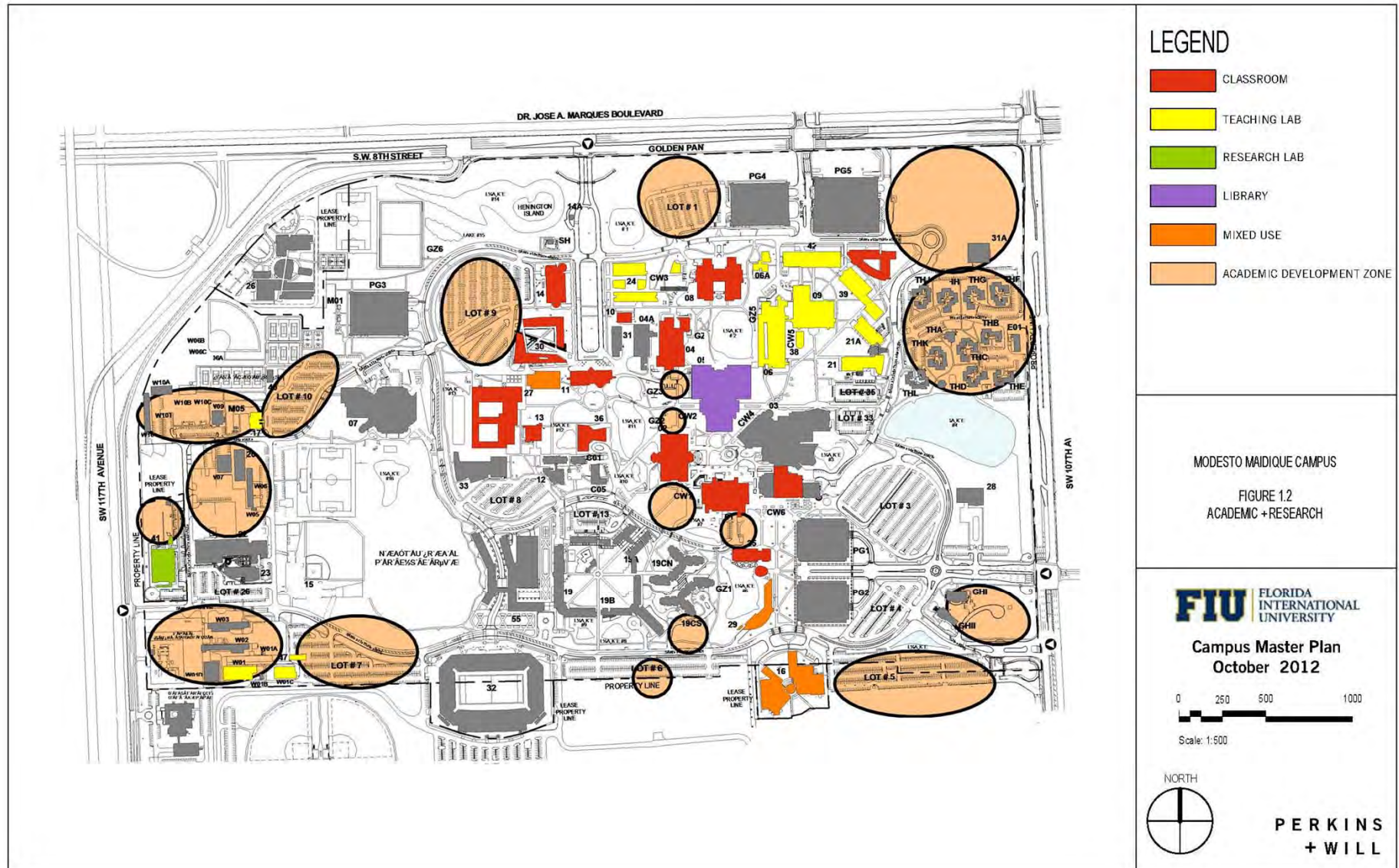


- key:
- axis
  - academic & research
  - student life & housing
  - support & infrastructure
  - recreation & culture
  - parking

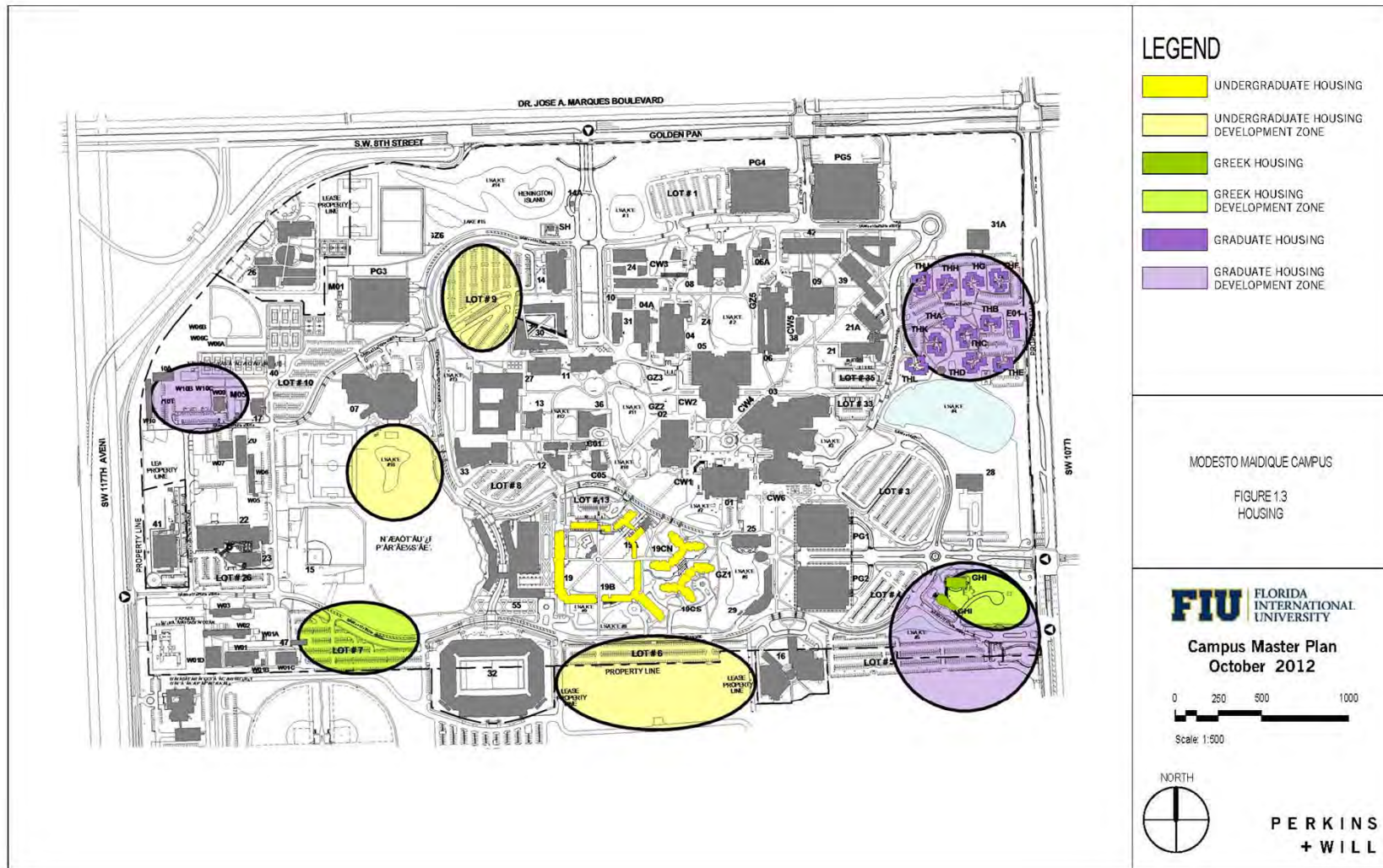
# Potential Land Use Zoning



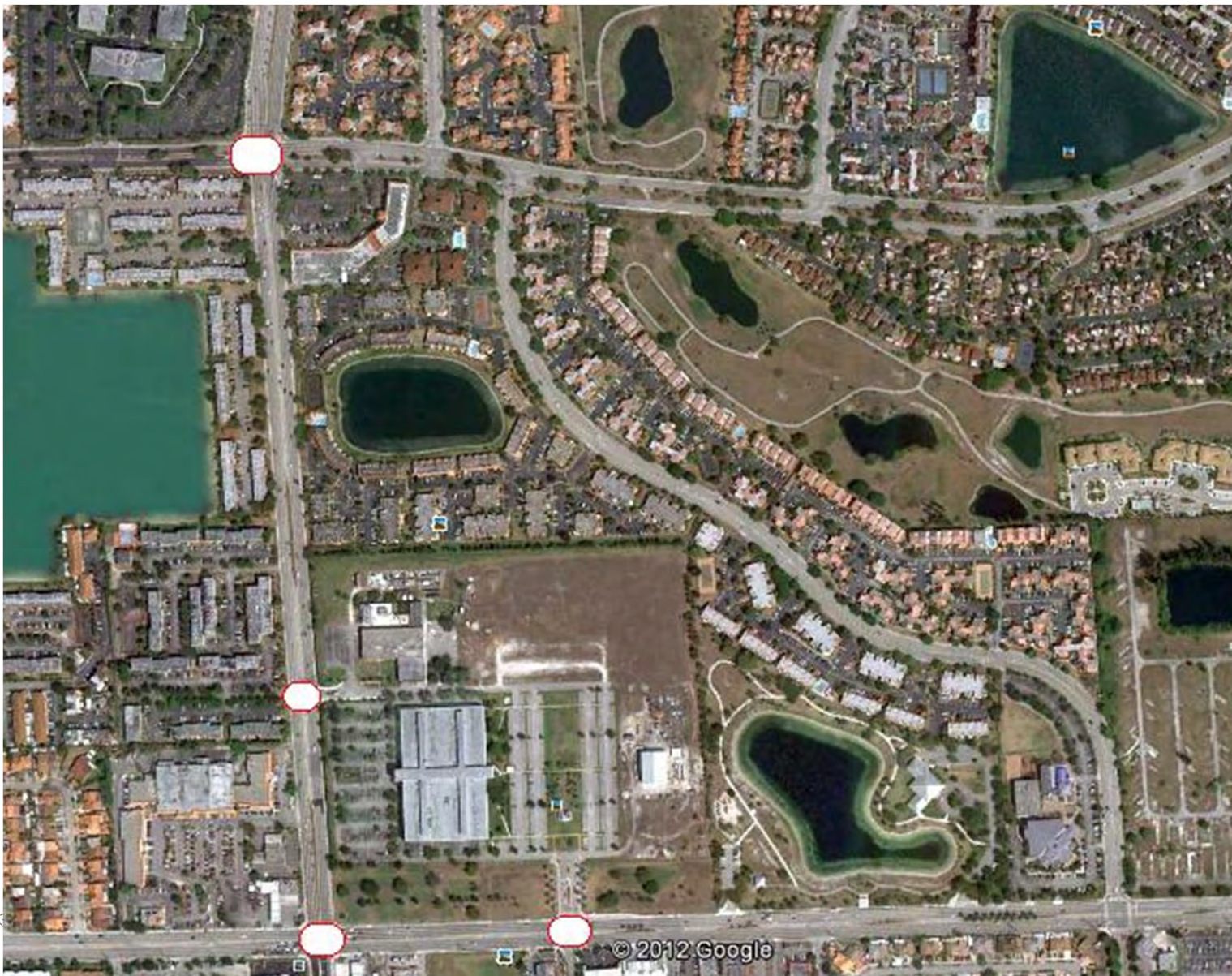
# Potential Academic-Research Development Zones



# Potential Housing Development Zones

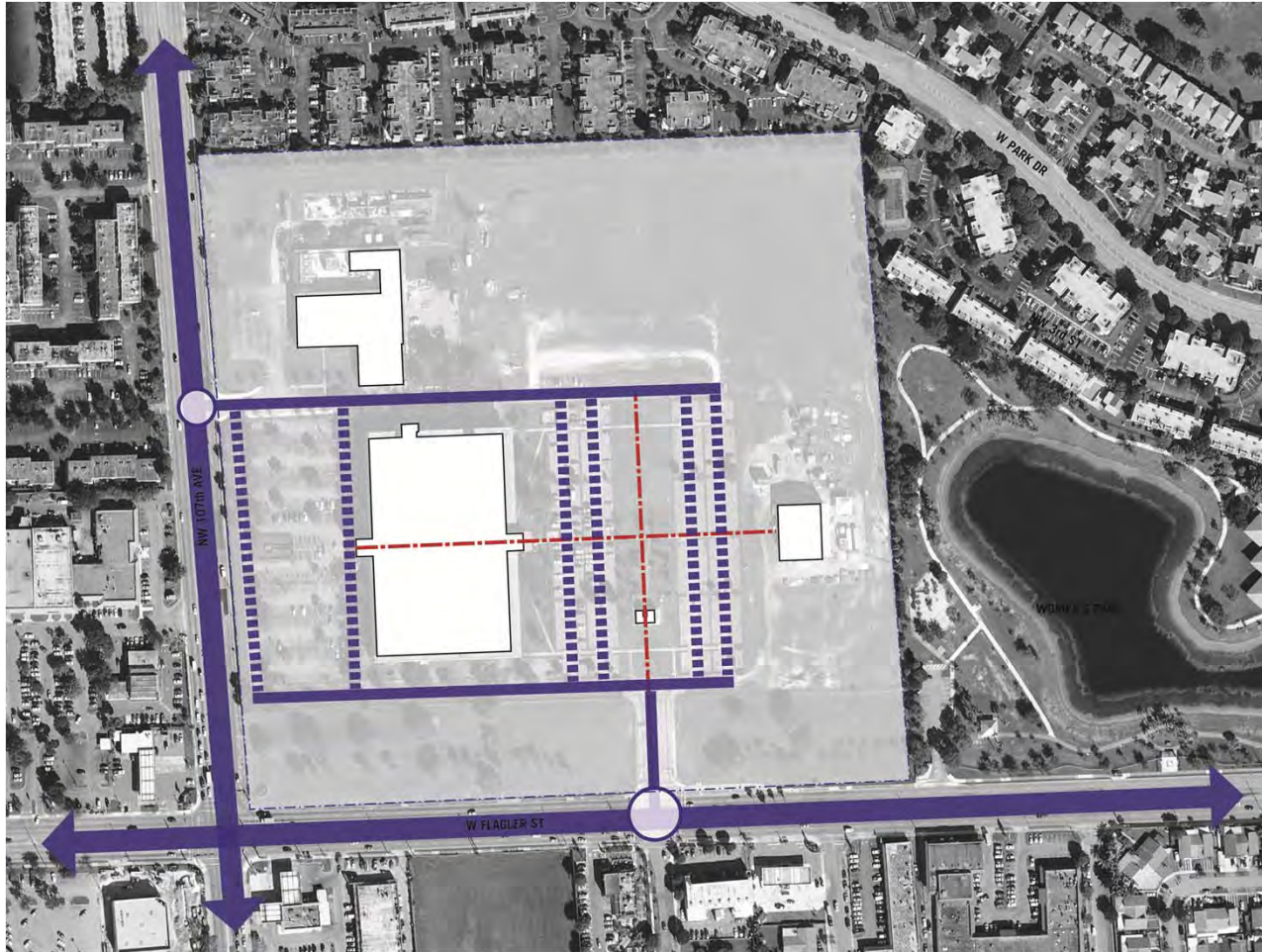


# EC: Surrounding Transportation Infrastructure



# Engineering Center

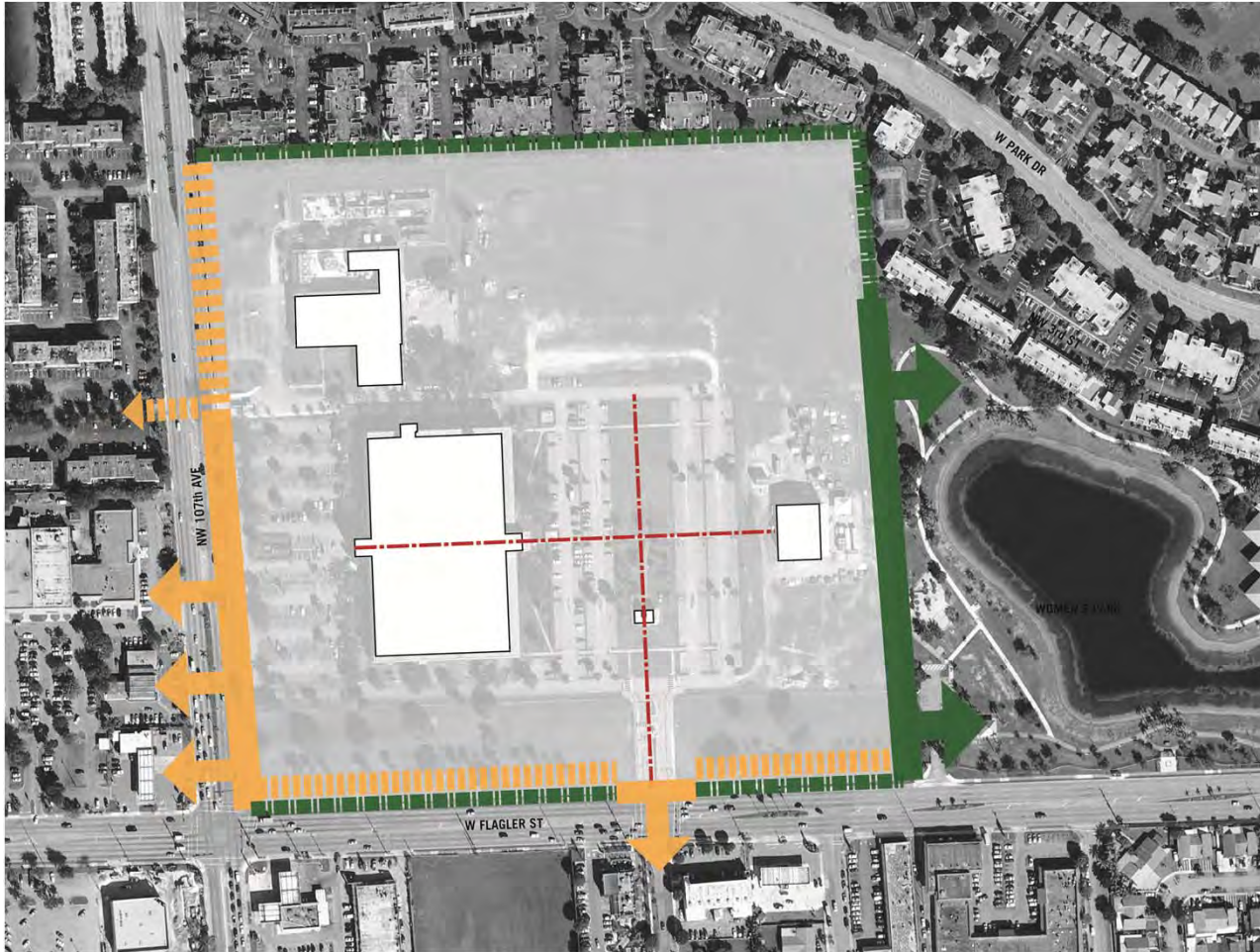
## Existing Vehicular Circulation



- key:
- axis
  - gateways
  - major
  - minor

# Engineering Center

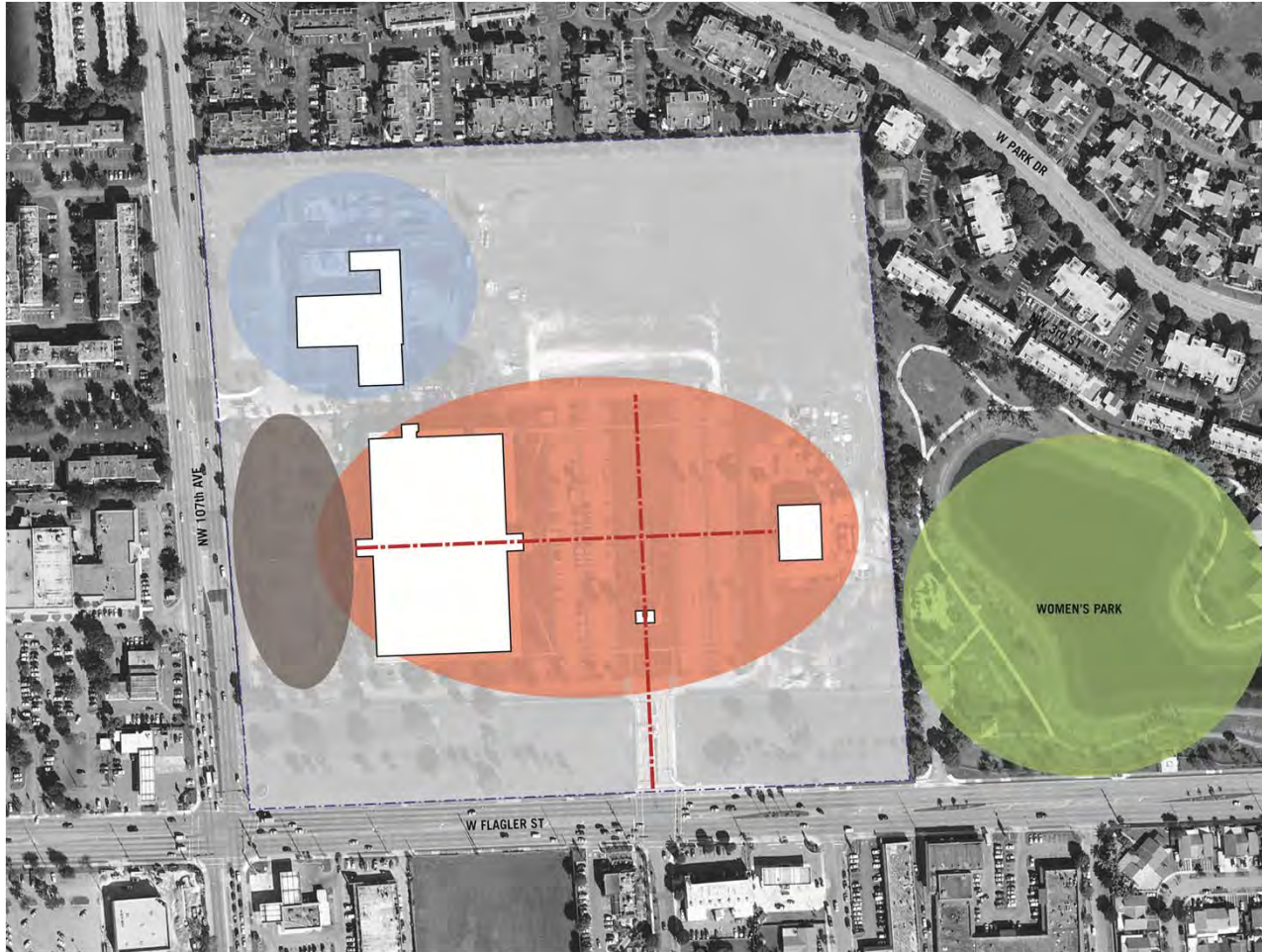
## Existing Campus Edges



- key:
- axis
  - active edge (major)
  - active edge (minor)
  - passive (major)
  - passive minor)

# Engineering Center

## Existing Land Uses



- key:
- axis
  - academic & research
  - student life & housing
  - support & infrastructure
  - recreation & culture
  - parking



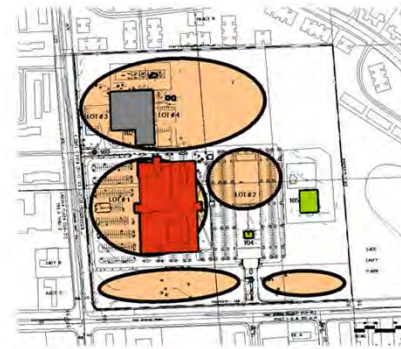
# Potential Land Use/Academic-Research Zones



① ENGINEERING CENTER CAMPUS - LAND USE  
1" = 500'

## LEGEND

- MIXED USE
- SUPPORT FACILITIES
- HOUSING
- ATHLETICS / RECREATION / OPEN SPACE
- COMMUNITY INTERFACE
- CONSERVATION



② ENGINEERING CENTER CAMPUS - ACADEMIC/RESEARCH  
1" = 500'

## LEGEND

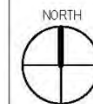
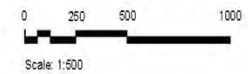
- CLASSROOM
- TEACHING LAB
- RESEARCH LAB
- LIBRARY
- MIXED USE
- ACADEMIC DEVELOPMENT ZONE

ENGINEERING CENTER CAMPUS

FIGURE 21  
LAND USE +  
ACADEMIC + RESEARCH



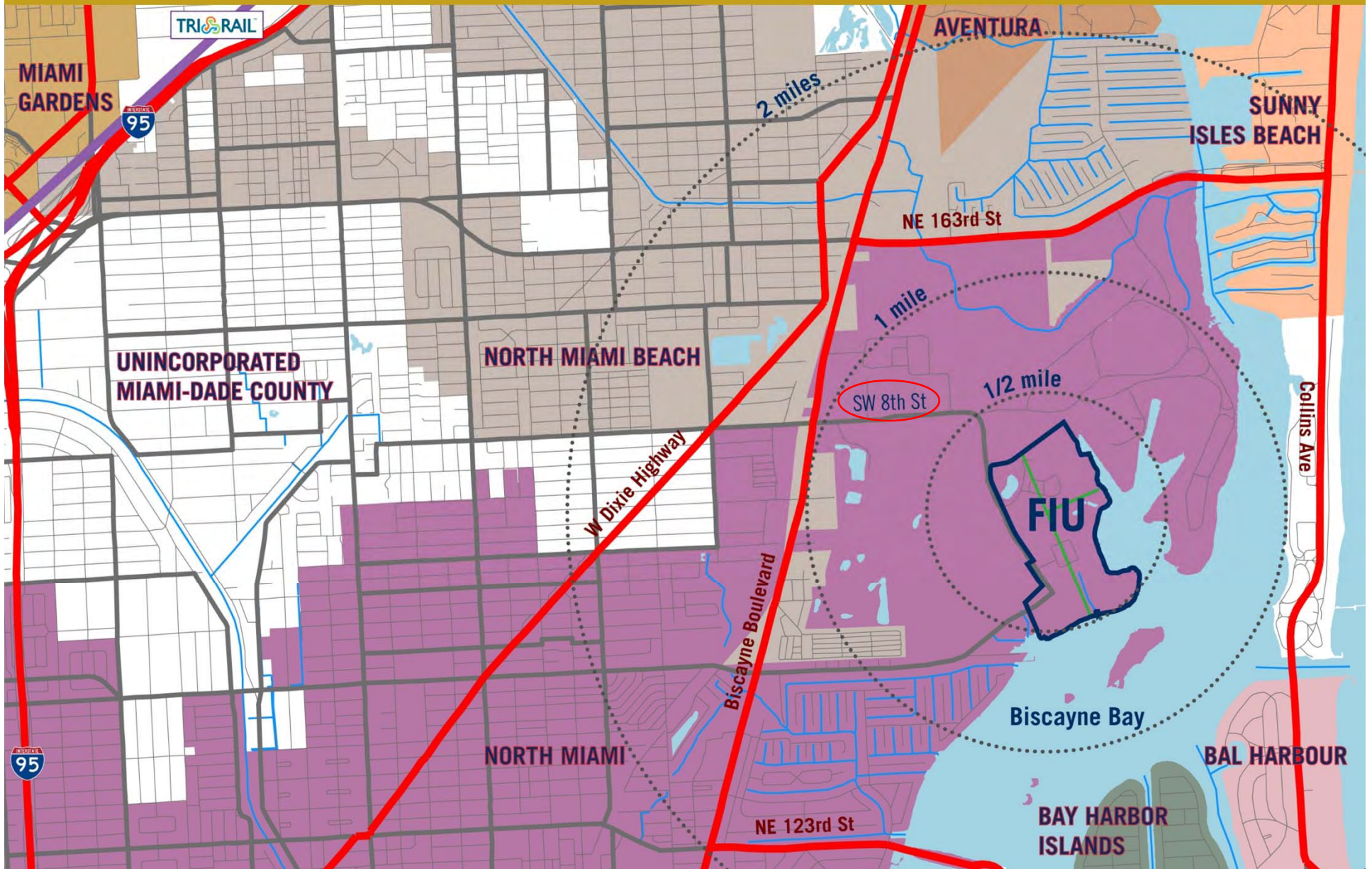
Campus Master Plan  
October 2012



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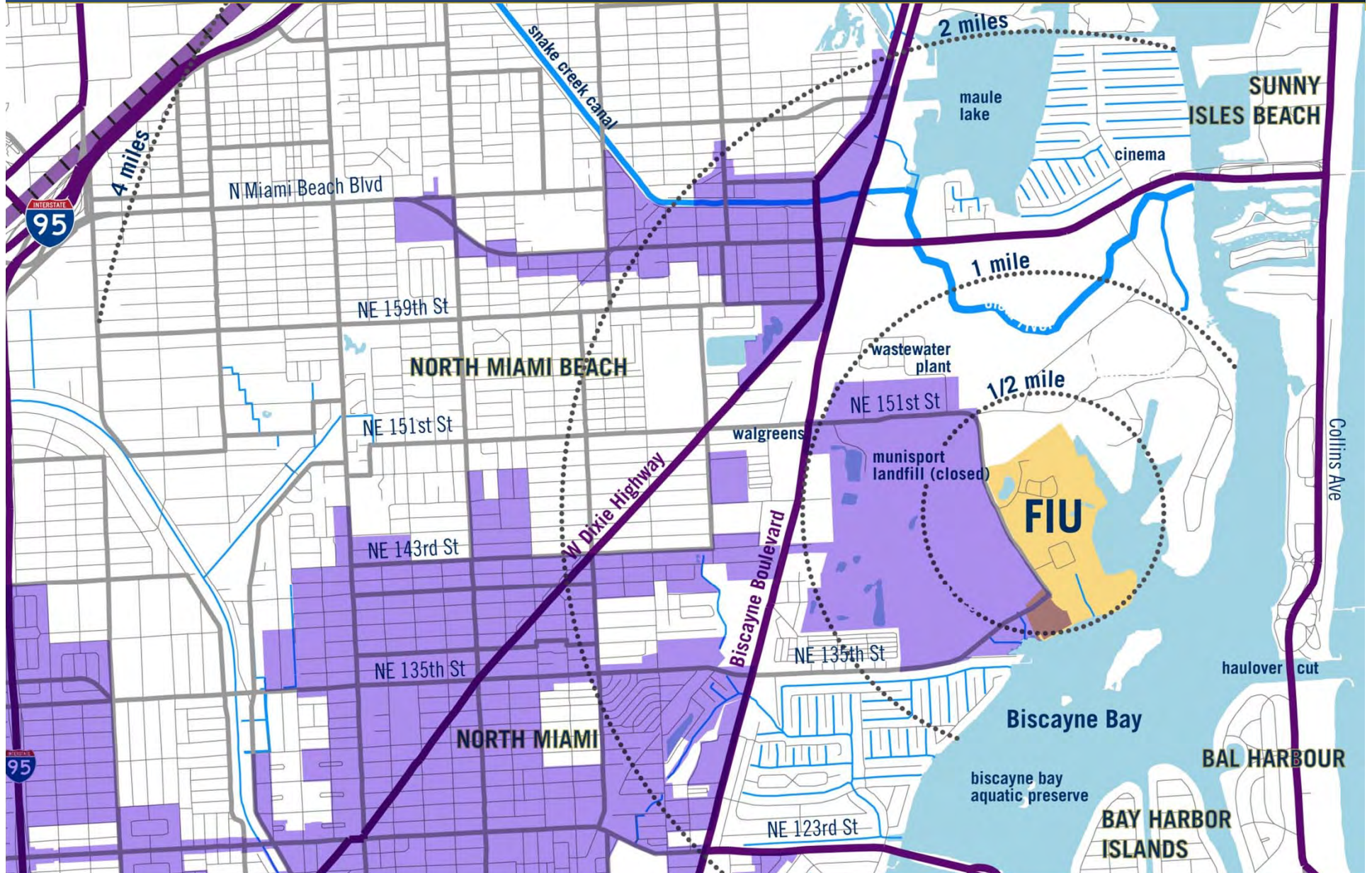
# Biscayne Bay Campus

## Context Analysis



# Biscayne Bay Campus

## Community Redevelopment Areas



# Biscayne Bay Campus

## Context Analysis



# BBC: Surrounding Transportation Infrastructure



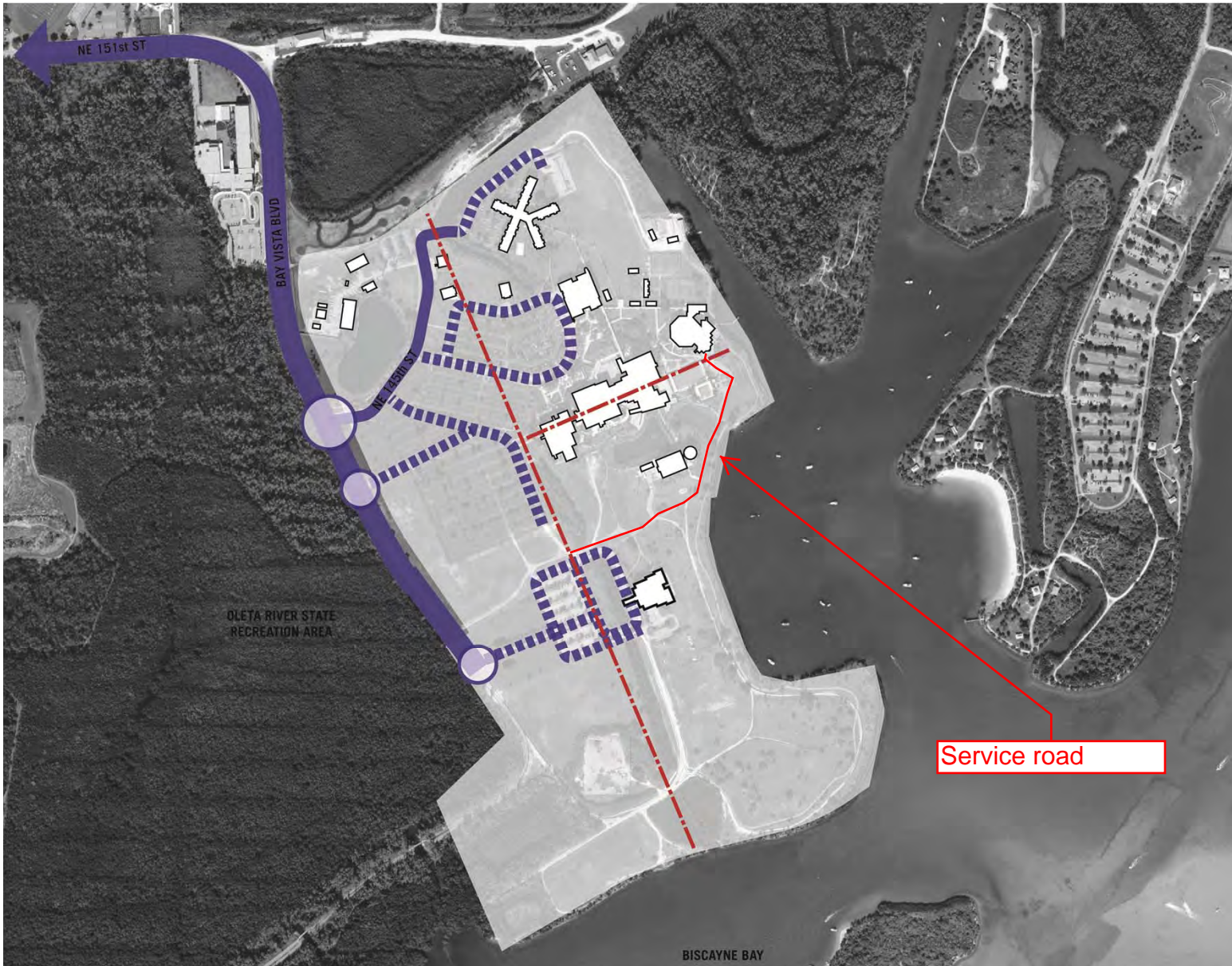
This Intersection is not important

Traffic counts for each school separately?

Traffic counts for Biscayne Landing entry?

# Biscayne Bay Campus

## Existing Vehicular Circulation



- key:
- axis
  - gateways
  - major
  - minor

Service road

# Biscayne Bay Campus

## Existing Campus Edges



- key:
- axis
  - active edge (major)
  - active edge (minor)
  - passive (major)
  - passive minor)

# Biscayne Bay Campus

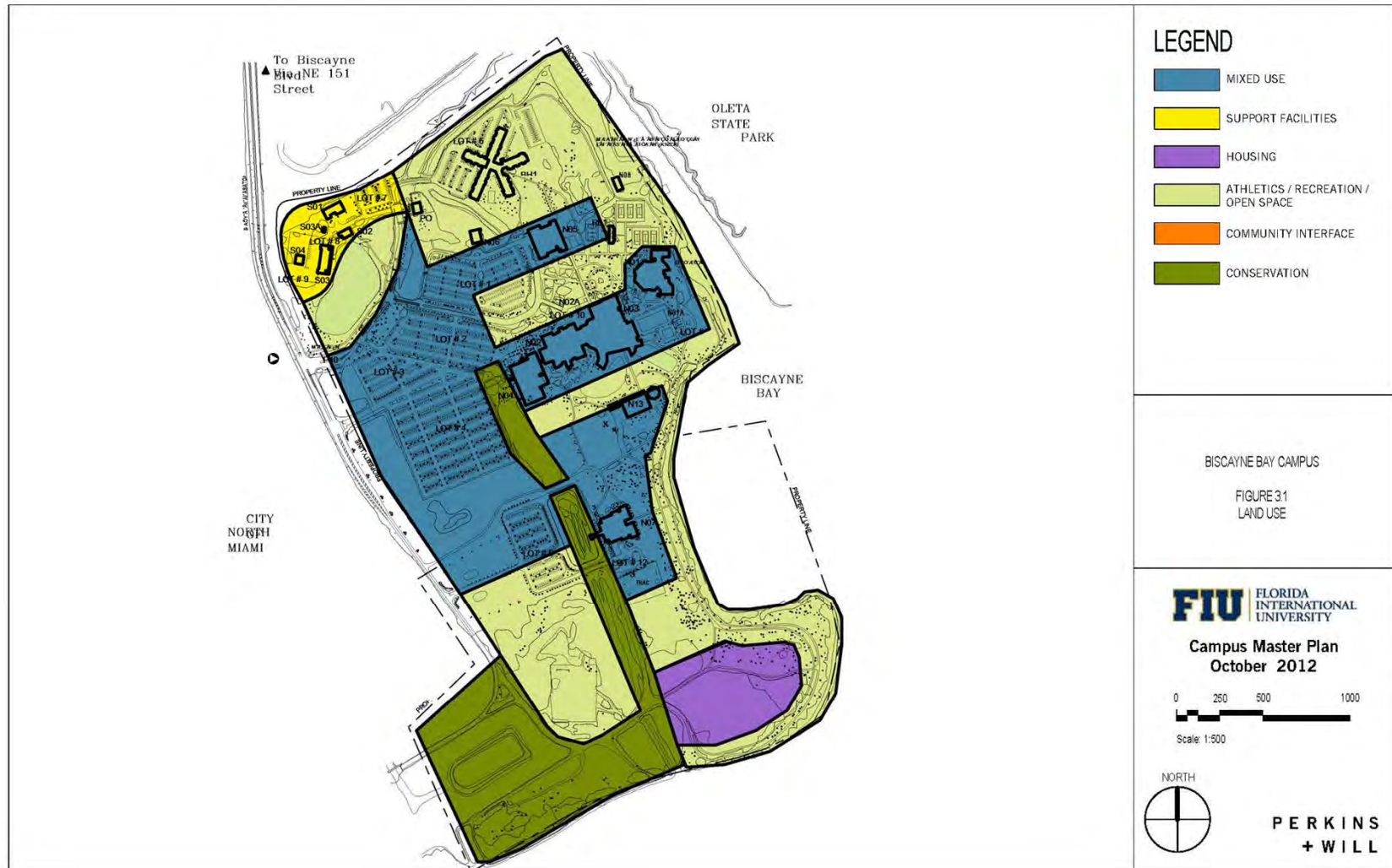
## Existing Land Uses



- key:
- axis
  - academic & research
  - student life & housing
  - support & infrastructure
  - recreation & culture
  - parking



# Potential Land Use Zones



# Potential Academic- Research Development Zones



# Potential Housing Development Zones



# Next Steps

## **-Next Steps**

- Faculty/Staff Assumptions**
- Research Assumptions**
- Clinical Assumptions**
  
- Touchstone Meeting –end of October?**
  
- Concept Themes**
  - Maximize programs at Modesto Maidique Campus**
  - Create “E” center at Biscayne Bay Campus for Education and Environmental Studies**
  - Maximize perimeter partnerships**
  - Other?**