# UNIVERSITY of **FLORIDA**

# Parking and Transportation Committee February 1, 2021

UF-623D CENTRAL ENERGY PLANT UF-623B THERMAL UTILITY INFRASTRUCTURE UF-623C ELECTRICAL UTILITY INFRASTRUCTURE



## **UF-623 Program Overview**



# UF UNIVERSITY of FLORIDA



STEAM



## **UF-623D: CEP Rendering – Southeast View**



## **UF-623D: CEP Rendering – East View**



## **UF-623D: CEP Rendering – West View**



## **UF-623D: CEP Landscaping**



## **UF-623D: CEP Landscaping (Utilities For Reference)**



## **UF-623D: CEP Plant Materials (Trees)**



Highrise Live Oak Quercus virginiana 'Qvtia' 30'-40'Ht 16'-25' Sprd



# UF UNIVERSITY of FLORIDA

## **UF-623D: CEP Landscape Materials**





**Pink Muhly** 

Liriope





**Dwarf Firebush** 



Washed Riverrock



**Pine Bark Mulch Pine Needles Mulch** 

# UF UNIVERSITY of FLORIDA

## **UF-623D: CEP Planters**



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## **UF-623D: CEP Planters**

Planterworx – Site Cylinder 6 ft dia. X 36 ht. Color: White (Metal)

SITE CYLINDER PLANTERS DIMENSIONS VARY / PRODUCTS ARE MADE TO ORDER BASED ON CUSTOMER SPECIFIED DIMENSIONS

# UF FLORIDA



## **UF-623D: CEP Planters**

Canterbury Designs – Jardin Planter 60 in dia. X 42 in ht. Color: White (Precast Concrete)





#### NOTES:

- 1. Also available in lighter weight glass reinforced concrete.
- 2. Contact us for a selection of standard colors and textures.
- 3. One inch drain hole(s) can be added at customer request.

# UF FLORIDA

BOTTOM VIEW

## **UF-623D: CEP Hardscape Elements**



Medium Broom Finish Concrete



Narrow Modular Concrete Pavers



**Contemporary Bench** 



**Contemporary Bike Rack** 



**Aluminum Fence** 



**Pedestrian Light** 



## **UF-623C: HDD Progress Update**





14

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# UF FLORIDA

ELECTRICAL CONDUIT(S) (EST. LOAD 2.4MW)

COMM CONDUIT(S) (DATALINK)

# Jacobs

Ú



# UF UNIVERSITY of FLORIDA









30" DBH, pruned only over parking lot, not required to be removed.





## **QUESTIONS?**



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FACILITIES PLANNING AND CONSTRUCTION

	Campus Master Plan Checklist									
To:	ULUFPC, LVLC, PHBSC, P&TC DATE: <u>02-03-2021</u> Project	т: С	JF 62	3D Ce	entral J	Energ	y Plan	t		
Prep	ared by: Erik Lewis / Milo Zapata FROM:									
This f	orm is to be completed for the applicable phase at the time that the project is reviewed by committees. Do not mark shaded ce	ells in th	e colur	nns bea	cause th	ney do r	not appl	y to the	review	at the
specif	ed phase. Checklists should be cumulative so that projects presented at Design Development have all phase columns comple	ted. De	esign-b	ouild pro	jects m	ay omit	the Sch	nematic	Design	1
phase	column. These checklist criteria apply to development on the main campus and, as applicable, on Satellite Properties in Alach	nua Cou	inty.							
					C/	OMBIN	E FOR	DESIG	N-BUIL	D
<b>FV</b>	LUATION CRITERIA	PRO	GRAM	MING	SC	HFMA	LIC	1	FSIGN	1
		A	ND SIT	Έ	]	DESIGN	1	DEV	ELOPM	IENT
		SE	LECTI	ON		Concept	t	1		
					$\square$ F	Advance	Эd			
		YES	NO	NA	YES	NO	NA	YES	NO	NA
UNI	ERSITY LAND USE AND FACILITIES PLANNING COMMITTEE (ULUFPC)									
1)	The project appears in the Capital Improvements Element, Table 13-1 (Ten-Year Capital Projects List) and Figure 13-1	Х			Х			-	-	-
	(Future Building Sites)									
	With edits to Table 13-1 to modify the project GSE or description									
	With edits to Figure 13-1 to modify or assign the project site									
	a) If "no" or with edits: The addition or modification of the project in the CMP can be accomplished as a Minor			Х			Х		-	_
l	Amendment (per UF Operating Memorandum) and without changing the Campus Development Agreement									
2)	The project is consistent with the Future Land Use designation and definition (Figure 2-1, Future Land Use and Policies		Х		Х			-	-	-
	1.1.2 and 1.1.8)									
	<ul> <li>a) If "no", the necessary modification to Figure 2-1 (Future Land Use) can be accomplished as a Minor Amendment (per UF Operating Memorandum) and without changing the Campus Development Agreement</li> </ul>	Х					Х	-	-	-
3)	The project location is consistent with policies that direct the location of specific uses (i.e. academic facilities,	Х			Х			-	-	-
	support/clinical facilities, housing, recreation/open space & parking) (Academic Facilities, Policy 1.2.3; Support/Clinical,									
	Policies 1.1.3, 1.1.4 and 1.1.6; Housing, Policy 1.3.1; Recreation/Open Space, Policies 1.3.1 and 1.3.3; Transportation									
	Policy 2.5.4 and 2.5.6)									
4)	The project is not a temporary building, OR	Х			-	-	-	-	-	-
	I he temporary building is located in the Surge Area, Energy Park, Physical Plant Division complex,									
	Academic/Research-Outdoor Future Land Use, or the temporary building supports construction activity ( <i>Capital</i>									
5)	Improvements, Funcy 1.1.13) The project considers life cycle costing, pursues principles of sustainable decign and/or socks LEED cortification (Capital	v			V	-				
5)	Improvements, Policy 1.1.14)	~			^					
6)	The building footprint, orientation and setback comply with Policy 1.3.1, Urban Design Element because the project is			Х			Х			
	located with road frontage along Stadium Rd (Gale Lemerand Dr to Buckman Dr), University Ave (Gale Lemerand Dr to SW									
l	13 <sup>m</sup> St), SW 13 <sup>m</sup> St, Center Drive, Museum Rd (west of Center Dr. to SW 13 <sup>m</sup> St), Archer Rd/SW 16 <sup>m</sup> Ave, or Radio Rd; or								1 <sup> </sup>	
l	within new centers of development (i.e. near Urthopaedics & Sports Med, Cultural Plaza, SouthWest Recreation, and hear Fifield Hally									
	Fifieid Hall)								1 '	



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FACILITIES PLANNING AND CONSTRUCTION

## **Campus Master Plan Checklist**

	COMBINE FOR					DESIGN-BUILD			
EVALUATION CRITERIA			MING E	SC [	HEMA Design	TIC N	DEVI	) Esign Elopm	I IENT
						t			
	YES	NO	NA	YES	NO	NA	YES	NO	NA
7) The project is a minimum of 3-stories; <u>OR</u> the project demonstrates unique programmatic, functional or code requirements that dictate a variance from the 3-story minimum; <u>OR</u> the project meets alternate building height and design characteristic requirements based on its location in unique areas of campus for which more specific building design requirements apply (i.e. near Orthopaedic & Sports Med, SW Research Circle/Cancer-Genetics area, Fifield Hall area, Cultural Plaza, Radio Road Commuter Lot area, Archer Road Corridor/Planning Sector "G", Historic Impact Area, PKY Developmental Research School and Eastside Campus) ( <i>Urban Design, Policy 1.3.4 through 1.3.10</i> ); <u>OR</u> the project meets guidance for building height and design of housing facilities ( <i>Housing, Policy 1.3.2</i> )	X			Х					
8) The project provides community design integration along campus perimeters as described in Policies 1.2.1 and 1.4.3, Urban Design Element, with respect to landscaping, hardscaping, views, signage, and bicycle/pedestrian accommodation as applicable because the project is located along Gateway Roads identified in Figure 1-6, Urban Design Element (i.e. University Ave, SW 2 <sup>nd</sup> Ave, SW 13 <sup>th</sup> St, Archer Rd, and SW 34 <sup>th</sup> St)	-	-	-	-	-	-			
<ul> <li>9) The project includes exterior public art; - Note: LVLC and PHBSC (if applicable) approval recommendation required OR</li> <li>The project demonstrates that exterior installation of public art is infeasible or undesirable (Urban Design, Policies 1.6.2, 1.6.3 and 1.6.4)</li> </ul>	-	-	-	-	-	-			
10) Utilities and associated support structures are installed underground or are appropriately screened from view by decorative architectural walls or landscaping ( <i>Electric Power and Other Fuels Sub-Element, Policy 2.1.7 and 2.1.8</i> )	-	-	-	-	-	-			
PRESERVATION OF HISTORIC BUILDINGS AND SITES COMMITTEE (PHBSC) – Note: see also #9 above									
<ul> <li>11) The project meets the requirements of the University's Memorandum of Agreement with the State Division of Historical Resources because <ul> <li>The site is located adjacent to an Archaeological Site or within an Archaeological Sensitivity Zone (Urban Design, Policy 1.7.1): <u>AND/OR</u></li> <li>The project is new construction or a building addition located within the Historic District or Historic Impact Area depicted on Figure 1-2, Urban Design Element; <u>AND/OR</u></li> <li>The project includes renovation, rehabilitation or restoration of an existing structure that meets the definition of "historic property" described in Policy 1.5.4 of the Facilities Maintenance Element</li> </ul> </li> </ul>			X			X			
<ul> <li>a) If "yes" for new construction or building additions, the project design is sensitive to the orientation and character defining features of existing structures in the Historic Impact Area (<i>Urban Design, Policy 1.7.2</i>); with a building height between 2 and 5 stories not to exceed the height of existing historically significant buildings in close proximity (<i>Urban Design, Policy 1.3.7</i>)</li> </ul>			Х			Х			



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FACILITIES PLANNING AND CONSTRUCTION

Campus Master Plan Checklist																				
				C	OMBIN	E FOR	DESIG	V-BLIII	D											
EVALUATION CRITERIA	PROGRAMMIN AND SITE SELECTION		PROGRAMMING AND SITE SELECTION		Ming Te On	SCHEMATIC DESIGN Concept Advanced			S SCHEMA DESIGN Concept Advance		SCHEMATIC DESIGN Concept		HEMATIC DESIGN E Concept Advanced		SCHEMATIC DESIGN Concept Advanced		CHEMATIC DESIGN Concept		ESIGN	N IENT
	YES	NO	NA	YES	NO	NA	YES	NO	NA											
LAKES, VEGETATION AND LANDSCAPING COMMITTEE (LVLC) – Note: see also #8 above																				
12) The project does not reduce the size of an area in the Conservation Future Land Use (Figure 2-1, Future Land Use);		Х		Х																
OR The project mitigates the Conservation Future Land Use change per Conservation, Policy 1.4.11																				
<ul> <li>13) The project (or any associated utilities or infrastructure) is not adjacent to or within a Conservation Future Land Use;</li> <li>OR</li> <li>OR</li> <li>The project siting, orientation and landscaping minimize visual impact on the Conservation Area, preserve native</li> </ul>		Х		Х																
vegetation and allow a graduated transition from developed areas to Conservation Areas (Conservation Element, 1.1.4)																				
14) The project minimizes impacts and conforms to the intent of the Conservation Area because the project is for new utilities or infrastructure (including exterior lighting and stormwater facilities) within a Conservation Future Land Use (Conservation, Policies 1.4.8, 1.4.9 and 1.4.10) – Note: LVLC approval recommendation required																				
<ul> <li>The project is not within 50-feet of a wetland; <u>OR</u></li> <li>The project within 50-feet of a wetland minimizes impacts to wetlands and the required wetland buffers; <u>and</u> provides a minimum 35-foot setback and average 50-foot setback; <u>and</u> uses only native plants in a naturalistic landscape design within wetland buffers (<i>Conservation, Policies 1.2.1, 1.2.2, 1.2.3, 1.2.4, and 1.2.5</i>)</li> </ul>	Х			Х																
<ul> <li>The project is not within the 100-year floodplain; <u>OR</u></li> <li>The project within the 100-year floodplain addresses building elevation, compensating storage and off-site mitigation (<i>Conservation, Policy 1.2.6</i>)</li> </ul>		Х		Х																
<ul> <li>17) The project does not disturb any plants or animals identified as threatened and endangered species or species of special concern by federal and state agencies; <u>OR</u></li> <li>The project inventories such species and develops protection or relocation plans in coordination with appropriate local, state and federal agencies (<i>Conservation, Policies 1.3.2 and 1.3.3</i>)</li> </ul>																				
<ul> <li>The project site does not impact an Open Space Connection identified in Figure 1-4, Urban Design Element ; <u>OR</u></li> <li>The project maintains, enhances or satisfactorily realigns the open space connection (Urban Design, Policies 1.2.4 and 1.3.2; and Transportation, Policy 2.2.5)</li> </ul>	Х			Х																
<ul> <li>19) The project site is not within or adjacent to an Open Space Enhancement Priority area identified in Figure 1-5, Urban Design Element; <u>OR</u></li> <li>The project provides appropriate landscaping, hardscaping, and bicycle/pedestrian open space enhancement for the related Open Space Enhancement Priority area (<i>Ithan Design Policy</i> 1.4.2)</li> </ul>	Х			Х																
20) The project integrates with existing topography and natural features ( <i>Urban Design</i> , <i>Policy</i> 1.3.11)	t								1											



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FACILITIES PLANNING AND CONSTRUCTION

### **Campus Master Plan Checklist**

		COMBINE FOR D					R DESIGN-BUILD				
EVALUATION CRITERIA			ming Te On		CHEMA DESIGN Concep	TIC N t	DESIGN DEVELOPMENT				
	YES	NO	NA	YES	NO	NA	YES	NO	NA		
21) The project identifies any potential adverse affects, accommodates any increase in volume of runoff over the pre- development volume for a 72-hour period from the 100-year storm event, and provides a courtesy review to the City of Gainesville because the project is within the Hogtown Creek drainage basin ( <i>General Infrastructure Stormwater Sub-</i> <i>Element, Policy 1.3.5</i> )			Х			Х					
22) The project use trees, plant materials, exterior furniture, paving materials and walls to reinforce spatial organization and create "outdoor rooms" in functional open space adjacent to buildings, within the Urban Park Future Land Use, and along roadways, pedestrian connections and shared-use paths depicted in Figure 1-4 (Urban Design, Policies 1.3.3 and 1.4.1)	-	-	-	-	-	-					
23) Stormwater retention facilities associated with the project (if any) are designed to be natural and curvilinear in outline with variable side slopes, smooth transitions to existing grade and planted with native vegetation (General Infrastructure Stormwater Sub-Element, Policies 1.2.4 and 1.2.5)	-	-	-	-	-	-					
24) The project incorporates Best Management Practices and Low Impact Development design to address stormwater quality and quantity including pollutants, erosion and sedimentation ( <i>General Infrastructure Stormwater Sub-Element Policies</i> 1.3.2, 1.3.3, 1.3.4 and 1.4.1)	-	-	-	-	-	-					
25) The project satisfies UF Design & Construction Standards for tree protection, removal, relocation and mitigation (Urban Design, Policies 1.4.9, 1.4.10 and 1.4.12) – Note: LVLC approval recommendation required	-	-	-	-	-	-					
26) The project satisfies UF Design & Construction Standards for landscaping in parking lots and around buildings, and installation is concurrent with the appropriate building construction phase ( <i>Urban Design, Policies 1.4.13, 1.4.14 and 1.4.15</i> ) – Note: LVLC approval recommendation required	-	-	-	-	-	-					
Parking and Transportation Committee (P&TC) – Note: see also #18 and #19 above											
27) The project provides a traffic engineering study with a courtesy review by UF's host local governments because the project includes a parking structure or surface with at least 300 parking spaces located in Alachua County ( <i>Transportation, Policy 1.2.2 and 1.2.3</i> )			Х			Х					
<ul> <li>28) The project does not result in any significant loss of existing parking; <u>OR</u></li> <li>M The loss of significant existing parking is mitigated - Note: Parking loss mitigation to be negotiated in consultation with the P&amp;TC (<i>Transportation, Policy 2.6.5</i>)</li> </ul>	Х			Х							
29) The project satisfies UF Design & Construction Standards for bicycle parking including quantity, location and lighting with covering as feasible ( <i>Transportation</i> , <i>Policy 2.2.6</i> )	-	-	-	-	-	-					
<ul> <li>30) The project provides hot water showers and lockers for use by bicycle commuters; <u>OR</u></li> <li>The project demonstrates that hot water showers and lockers are infeasible (<i>Transportation, Policy 2.2.13</i>)</li> </ul>	-	-	-	-	-	-					
31) The project provides adequate parking to meet the needs of disabled persons, service and delivery vehicles necessitated by the building construction project ( <i>Transportation</i> , <i>Policy 2.6.5</i> )	-	-	-	-							



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PLANNING DESIGN AND CONSTRUCTION

### **REPORT TO THE LAKES VEGETATION AND LANDSCAPING COMMITTEE**

То:	The LVL Committee	For:	February 11, 2021 LVLC meeting.
Via:	Carlos Dougnac, Assistant Vice President, PDC	From:	Cydney McGlothlin, University Architect
REQUESTOR:	Harn Museum	PRESENTERS:	Cydney McGlothlin and User Group

	Phase:	Committee Responsibilities:	STATUS AND PRIOR COMMENTS:	Date:
х	Programming	The committee will review and recommend approval/denial of general site suitability - having evaluated impacts to trees, landscape, natural areas, and lakes.		
	SCHEMATIC DESIGN	The committee will review and recommend approval/denial of tree removal - plans for transplants, replacements and/or mitigation, based on the building footprint, utility corridors, and other construction activities.		
	DESIGN DEVELOPMENT	The committee will review and recommend approval/denial of final landscaping - appropriateness and inclusion of any mitigation for tree removal.		

NOTE TO PM: All landscape plans and tree protection drawings shall illustrate the full (mature) canopy of trees, not just a dot or small circle.

BACKGROUND INFORMATION:

#### PROJECT:

UF-671, Harn Museum American Art Wing

SITE:

. See attached location map.

STATUS:

This project is in the programming phase

**OBJECTIVES:** 

Approval to remove 3 trees

PROJECT PHASE AND PRESENTATION NARRATIVE: Programming

#### ENCLOSURES:

1. Presentation

2. CMP Checklist

### UNIVERSITY of FLORIDA BUSINESS AFFAIRS

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FACILITIES PLANNING AND CONSTRUCTION

	Campus Master Plan Checklist									
To:	ULUFPC, LVLC, PHBSC, P&TC DATE: PROJECT	ст: С	J <b>F-6</b> 7	1 Har	n Ame	erican	Art W	/ing		
Prep	ared by: Erik Lewis FROM:									
This f	orm is to be completed for the applicable phase at the time that the project is reviewed by committees. Do not mark shaded c	ells in th	e colur	nns bea	cause th	ney do r	not appl	y to the	review	at the
specif	ed phase. Checklists should be cumulative so that projects presented at Design Development have all phase columns complete and the analysis of the project o	eted. De	esign-b	uild pro	jects m	ay omit	the Sch	nematic	Design	1
pnase	column. These checklist criteria apply to development on the main campus and, as applicable, on Satellite Properties in Alac	nua Cou	inty.							
					C	OMBIN	IE FOR	DESIG	N-BUIL	D
EVA	LUATION CRITERIA	PRO	GRAMI	MING	SC	HEMA	TIC	0	)ESIGN	1
		A	ND SIT	E		DESIGN	1	DEVE	ELOPM	IENT
		SE	LECTI	NC		Concep	t d			
		VES	NO	NΔ			ΝΔ	VES	NO	NΔ
		1123	NO	INЛ	TLJ	NO	INA	TLJ	NO	NА
Univ	ERSITY LAND USE AND FACILITIES PLANNING COMMITTEE (ULUFPC)									I
1)	The project appears in the Capital Improvements Element, Table 13-1 (Ten-Year Capital Projects List) and Figure 13-1	Х						-	-	-
	(Future Building Sites)									
	As presented in the adopted Campus Master Plan									
	With edits to Table 13-1 to modify the project GSF of description									
	a) If "no" or with edits: The addition or modification of the project site			X			X			
i.	Amendment (per UF Operating Memorandum) and without changing the Campus Development Agreement			Λ						
2)	The project is consistent with the Future Land Use designation and definition (Figure 2-1, Future Land Use and Policies	Х			Х			-	-	-
	1.1.2 and 1.1.8)									
	a) If "no", the necessary modification to Figure 2-1 (Future Land Use) can be accomplished as a Minor Amendment (per UF Operating Memorandum) and without changing the Campus Development Agreement			Х			Х	-	-	-
3)	The project location is consistent with policies that direct the location of specific uses (i.e. academic facilities,	Х			Х			-	-	-
l	support/clinical facilities, housing, recreation/open space & parking) (Academic Facilities, Policy 1.2.3; Support/Clinical,									
l	Policies 1.1.3, 1.1.4 and 1.1.6; Housing, Policy 1.3.1; Recreation/Open Space, Policies 1.3.1 and 1.3.3; Transportation									
4)	POILY 2.3.4 driu 2.3.0) The project is not a temporary building: OP	X								
4)	The temporary building is located in the Surge Area. Energy Park, Physical Plant Division complex.	Λ			_	_				
	Academic/Research-Outdoor Future Land Use, or the temporary building supports construction activity (Capital									
	Improvements, Policy 1.1.15)									
5)	The project considers life-cycle costing, pursues principles of sustainable design and/or seeks LEED certification (Capital	Х								
	Improvements, Policy 1.1.14)									
6)	The building footprint, orientation and setback comply with Policy 1.3.1, Urban Design Element because the project is	Х					ľ			
	IOCATED WITH TO AD TRONTAGE Along Stadium Rd (Gale Lemerand Dr to Buckman Dr), University Ave (Gale Lemerand Dr to SW 12th St). Archor Rd/SW 14th Ave, or Padia Rd; or									
1	within new centers of development (i.e. near Orthonaedics & Sports Med. Cultural Plaza. Southwest Recreation, and near									
l	Fifield Hall)							<b> </b>		



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FACILITIES PLANNING AND CONSTRUCTION

## **Campus Master Plan Checklist**

	COMBINE FOR D					FOR DESIGN-BUILD					
EVALUATION CRITERIA	PROC AI SE	Grami Nd Sit Lecti	Ming Te On		HEMA <sup>-</sup> DESIGN Concep <sup>-</sup> Advance	TIC N t ed	DEV	I IENT			
	YES	NO	NA	YES	NO	NA	YES	NO	NA		
7) The project is a minimum of 3-stories; <u>OR</u> the project demonstrates unique programmatic, functional or code requirements that dictate a variance from the 3-story minimum; <u>OR</u> the project meets alternate building height and design characteristic requirements based on its location in unique areas of campus for which more specific building design requirements apply (i.e. near Orthopaedic & Sports Med, SW Research Circle/Cancer-Genetics area, Fifield Hall area, Cultural Plaza, Radio Road Commuter Lot area, Archer Road Corridor/Planning Sector "G", Historic Impact Area, PKY Developmental Research School and Eastside Campus) ( <i>Urban Design, Policy 1.3.4 through 1.3.10</i> ); <u>OR</u> the project meets guidance for building height and design of housing facilities ( <i>Housing, Policy 1.3.2</i> )	X										
8) The project provides community design integration along campus perimeters as described in Policies 1.2.1 and 1.4.3, Urban Design Element, with respect to landscaping, hardscaping, views, signage, and bicycle/pedestrian accommodation as applicable because the project is located along Gateway Roads identified in Figure 1-6, Urban Design Element (i.e. University Ave, SW 2 <sup>nd</sup> Ave, SW 13 <sup>th</sup> St, Archer Rd, and SW 34 <sup>th</sup> St)	-	-	-								
<ul> <li>9) The project includes exterior public art; - Note: LVLC and PHBSC (if applicable) approval recommendation required OR</li> <li>The project demonstrates that exterior installation of public art is infeasible or undesirable (Urban Design, Policies 1.6.2, 1.6.3 and 1.6.4)</li> </ul>	-	-	-								
10) Utilities and associated support structures are installed underground or are appropriately screened from view by decorative architectural walls or landscaping ( <i>Electric Power and Other Fuels Sub-Element, Policy 2.1.7 and 2.1.8</i> )	-	-	-								
PRESERVATION OF HISTORIC BUILDINGS AND SITES COMMITTEE (PHBSC) – Note: see also #9 above											
<ul> <li>11) The project meets the requirements of the University's Memorandum of Agreement with the State Division of Historical Resources because</li> <li> M The site is located adjacent to an Archaeological Site or within an Archaeological Sensitivity Zone (Urban Design, Policy 1.7.1): <u>AND/OR</u> M The project is new construction or a building addition located within the Historic District or Historic Impact Area depicted on Figure 1-2, Urban Design Element; <u>AND/OR</u> M The project includes renovation, rehabilitation or restoration of an existing structure that meets the definition of "historic property" described in Policy 1.5.4 of the Facilities Maintenance Element</li></ul>	X			X			X				
<ul> <li>a) If "yes" for new construction or building additions, the project design is sensitive to the orientation and character defining features of existing structures in the Historic Impact Area (<i>Urban Design, Policy 1.7.2</i>); with a building height between 2 and 5 stories not to exceed the height of existing historically significant buildings in close proximity (<i>Urban Design, Policy 1.3.7</i>)</li> </ul>			Х			Х			Х		



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FACILITIES PLANNING AND CONSTRUCTION

Campus Master Plan Checklist																																							
	<b></b>			C	OMBIN	E FOR	DESIG	N-BUIL	D																														
EVALUATION CRITERIA	PROGRAMMING AND SITE SELECTION		Amming Site Ction		SCHEMATIC DESIGN Concept Advanced			SCHEMATIC DESIGN Concept Advanced			SCHEMATIC DESIGN Concept Advanced			SCHEMATIC DESIGN Concept Advanced			SCHEMATIC DESIGN Concept Advanced		SCHEMATIC DESIGN Concept Advanced		SCHEMATIC DESIGN Concept		SCHEMATIC DESIGN Concept		HEMATIC DESIGN Concept		HEMATIC DESIGN Concept		SCHEMATIC DESIGN Concept Advanced		SCHEMATIC DESIGN Concept Advanced		SCHEMATIC DESIGN Concept Advanced		SCHEMATIC DESIGN		DEVE	)ESIGN Elopm	J IENT
	YES	NO	NA	YES	NO	NA	YES	NO	NA																														
LAKES, VEGETATION AND LANDSCAPING COMMITTEE (LVLC) – Note: see also #8 above																																							
12) The project does not reduce the size of an area in the Conservation Future Land Use (Figure 2-1, Future Land Use);	Х			Х			Х																																
<ul> <li>The project mitigates the Conservation Future Land Use change per Conservation, Policy 1.4.11</li> <li>The project (or any associated utilities or infrastructure) is not adjacent to or within a Conservation Future Land Use; OR</li> <li>The project siting, orientation and landscaping minimize visual impact on the Conservation Area, preserve native vegetation and allow a graduated transition from developed areas to Conservation Areas (Conservation Element, 1.1.4)</li> </ul>	Х			Х			Х																																
14) The project minimizes impacts and conforms to the intent of the Conservation Area because the project is for new utilities or infrastructure (including exterior lighting and stormwater facilities) within a Conservation Future Land Use (Conservation, Policies 1.4.8, 1.4.9 and 1.4.10) – Note: LVLC approval recommendation required			Х			Х			Х																														
<ul> <li>The project is not within 50-feet of a wetland; <u>OR</u></li> <li>The project within 50-feet of a wetland minimizes impacts to wetlands and the required wetland buffers; <u>and</u> provides a minimum 35-foot setback and average 50-foot setback; <u>and</u> uses only native plants in a naturalistic landscape design within wetland buffers (<i>Conservation, Policies 1.2.1, 1.2.2, 1.2.3, 1.2.4, and 1.2.5</i>)</li> </ul>	Х			Х			Х																																
<ul> <li>The project is not within the 100-year floodplain; <u>OR</u></li> <li>The project within the 100-year floodplain addresses building elevation, compensating storage and off-site mitigation (<i>Conservation, Policy 1.2.6</i>)</li> </ul>	Х			Х			Х																																
<ul> <li>17) The project does not disturb any plants or animals identified as threatened and endangered species or species of special concern by federal and state agencies; <u>OR</u></li> <li>The project inventories such species and develops protection or relocation plans in coordination with appropriate local, state and federal agencies (<i>Conservation, Policies 1.3.2 and 1.3.3</i>)</li> </ul>	Х			Х			Х																																
<ul> <li>The project site does not impact an Open Space Connection identified in Figure 1-4, Urban Design Element ; <u>OR</u></li> <li>The project maintains, enhances or satisfactorily realigns the open space connection (Urban Design, Policies 1.2.4 and 1.3.2; and Transportation, Policy 2.2.5)</li> </ul>	Х			Х			Х																																
<ul> <li>19)  The project site is not within or adjacent to an Open Space Enhancement Priority area identified in Figure 1-5, Urban Design Element; <u>OR</u> <ul> <li>The project provides appropriate landscaping, hardscaping, and bicycle/pedestrian open space enhancement for the related Open Space Enhancement Priority area (<i>Urban Design, Policy 1.4.2</i>)</li> </ul> </li> </ul>	X			X			Х																																
20) The project integrates with existing topography and natural features (Urban Design, Policy 1.3.11)	Х																																						



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FACILITIES PLANNING AND CONSTRUCTION

## **Campus Master Plan Checklist**

			COMBINE FOR D					DESIGN-BUILD			
EVALUATION CRITERIA	PROC Al	Grami Nd Sit	MING E	SC [	HEMA	FIC I	DEVE	)esign Elopn	i Ient		
	SELECTION YES NO NA				Concept Advance	t ed					
	YES	NO	NA	YES	NO	NA	YES	NO	NA		
21) The project identifies any potential adverse affects, accommodates any increase in volume of runoff over the pre- development volume for a 72-hour period from the 100-year storm event, and provides a courtesy review to the City of Gainesville because the project is within the Hogtown Creek drainage basin (General Infrastructure Stormwater Sub- Element, Policy 1.3.5)	Х										
22) The project use trees, plant materials, exterior furniture, paving materials and walls to reinforce spatial organization and create "outdoor rooms" in functional open space adjacent to buildings, within the Urban Park Future Land Use, and along roadways, pedestrian connections and shared-use paths depicted in Figure 1-4 ( <i>Urban Design, Policies 1.3.3 and 1.4.1</i> )	-	-	-								
23) Stormwater retention facilities associated with the project (if any) are designed to be natural and curvilinear in outline with variable side slopes, smooth transitions to existing grade and planted with native vegetation (General Infrastructure Stormwater Sub-Element, Policies 1.2.4 and 1.2.5)	-	-	-								
24) The project incorporates Best Management Practices and Low Impact Development design to address stormwater quality and quantity including pollutants, erosion and sedimentation ( <i>General Infrastructure Stormwater Sub-Element Policies</i> 1.3.2, 1.3.3, 1.3.4 and 1.4.1)	-	-	-								
25) The project satisfies UF Design & Construction Standards for tree protection, removal, relocation and mitigation (Urban Design, Policies 1.4.9, 1.4.10 and 1.4.12) – Note: LVLC approval recommendation required	-	-	-								
26) The project satisfies UF Design & Construction Standards for landscaping in parking lots and around buildings, and installation is concurrent with the appropriate building construction phase (Urban Design, Policies 1.4.13, 1.4.14 and 1.4.15) – Note: LVLC approval recommendation required	-	-	-								
Parking and Transportation Committee (P&TC) – Note: see also #18 and #19 above											
27) The project provides a traffic engineering study with a courtesy review by UF's host local governments because the project includes a parking structure or surface with at least 300 parking spaces located in Alachua County ( <i>Transportation, Policy 1.2.2 and 1.2.3</i> )			Х								
<ul> <li>28) The project does not result in any significant loss of existing parking; <u>OR</u></li> <li>X The loss of significant existing parking is mitigated - Note: Parking loss mitigation to be negotiated in consultation with the P&amp;TC (<i>Transportation, Policy 2.6.5</i>)</li> </ul>	Х										
29) The project satisfies UF Design & Construction Standards for bicycle parking including quantity, location and lighting with covering as feasible ( <i>Transportation</i> , <i>Policy 2.2.6</i> )	-	-	-								
<ul> <li>30) The project provides hot water showers and lockers for use by bicycle commuters; <u>OR</u></li> <li>The project demonstrates that hot water showers and lockers are infeasible (<i>Transportation, Policy 2.2.13</i>)</li> </ul>	-	-	-								
31) The project provides adequate parking to meet the needs of disabled persons, service and delivery vehicles necessitated by the building construction project ( <i>Transportation</i> , <i>Policy 2.6.5</i> )	-	-	-								

# UF-671 Harn Museum American Art Wing

Programming February 2021

## Existing Cultural Plaza



## Cultural Plaza planning



2010 parking study

2005 massing study

## Potential Cultural Plaza projects

Blue – planning Orange - funded



## Harn Museum American Art Wing

Planning footprint with landscaping around building

Loss of visitor parking

Loss of orange parking

For planning purposes, we are estimating 75 spaces.



## Harn Museum American Art Wing









2-3 trees impacted





## Harn Museum American Art Wing

## Program:

- 20,000 GSF
- 3 stories (two above ground and a basement)
- Basement: storage
- Main level: galleries
- Upper level: Works-on-Paper and Conservation

Other objectives:

- Create an entrance to the Cultural Plaza
- Create a better drop off to the Harn

Schedule:

- AE selection complete April 2021
- Schematic Design approvals July 2021
- Pause for fundraising
- Design Development approvals TBD
- Construction TBD

# Institute of Food and Agricultural Sciences

# ARCHER ROAD AGRONOMY COMPLEX Maintenance Tree Removal

FLORID

IFAS



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PLANNING DESIGN AND CONSTRUCTION

#### **REPORT TO THE LAKES VEGETATION AND LANDSCAPING COMMITTEE**

To:	The LVL Committee	For:	February 11, 2021 LVLC meeting.
VIA:	Carlos Dougnac, Assistant Vice President, PDC	From:	Milo Zapata, Project Manager
REQUESTOR:	Facility Operations/Business Services	PRESENTERS:	Milo Zapata and Design/Builder Group

	Phase:	Committee Responsibilities:	STATUS AND PRIOR COMMENTS:	DATE:
	Programming	The committee will review and recommend approval/denial of general site suitability - having evaluated impacts to trees, landscape, natural areas, and lakes.		
X	SCHEMATIC DESIGN	The committee will review and recommend approval/denial of tree removal - plans for transplants, replacements and/or mitigation, based on the building footprint, utility corridors, and other construction activities.	1 <sup>st</sup> Presentation for Approval	2/11/2021
	DESIGN DEVELOPMENT	The committee will review and recommend approval/denial of final landscaping - appropriateness and inclusion of any mitigation for tree removal.		

#### **BACKGROUND INFORMATION:**

#### PROJECT:

UF-668, Racquet Club Dining Renovations

## SITE:

On Fletcher Drive & East West Road, north of the Infirmary. (location map in presentation).

#### STATUS:

- This is a "Fast Track" project, delivered in a Design/Build format.
- We are currently finalizing the Program and working towards a GMP deliverable.
- Construction is to begin in March with the completion slated for August 2021

#### **OBJECTIVES:**

To obtain review/approval for the bump out on the east elevation of the building.

#### **PROJECT PHASE AND PRESENTATION NARRATIVE:**

Schematic Design

The Committees are being asked to approve the 'bump-out' building addition as shown.

#### ENCLOSURES:

- 1. Presentation
- 2. CMP Checklist



# Racquet Club Dining Center Renovation





## PROJECT LOCATION



## EXISTING SITE

6

## EXISTING



## **PROPOSED SITE**





## **PROPOSED SITE**



### UNIVERSITY of FLORIDA BUSINESS AFFAIRS

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FACILITIES PLANNING AND CONSTRUCTION

	Campus Master Plan Checklist										
To:	ULUFPC, LVLC, PHBSC, P&TC DATE: 10/20/20 PROJE	<b>ст:</b> (	JF-66	58 - Ra	acquet	Club	Dinin	g - Rer	iovati	ons	
Prepared by:	Erik Lewis FROM: Milo Zapata				k			d			
This form is to t specified phase phase column.	be completed for the applicable phase at the time that the project is reviewed by committees. Do not mark shaded c Checklists should be cumulative so that projects presented at Design Development have all phase columns complet These checklist criteria apply to development on the main campus and, as applicable, on Satellite Properties in Alac	ells in th eted. De hua Cou	e colur esign-b inty.	nns beo uild pro	cause th ojects m	ney do r lay omit	not appl t the Scl	y to the nematic	review Design	at the	
					C	OMBIN	E FOR	DESIG	N-BUIL	D	
EVALUATION CRITERIA			PROGRAMMING AND SITE SELECTION			SCHEMATIC DESIGN Concept Advanced			DESIGN DEVELOPMENT		
		YES	NO	NA	YES	NO	NA	YES	NO	NA	
1) The proj (Future I	ect appears in the Capital Improvements Element, Table 13-1 (Ten-Year Capital Projects List) and Figure 13-1 Building Sites)	Х						-	-	-	
☐ As ⊠ Wit □ Wit	presented in the adopted Campus Master Plan h edits to Table 13-1 to modify the project GSF or description h edits to Figure 13-1 to modify or assign the project site										
a) If "	no" or with edits: The addition or modification of the project in the CMP can be accomplished as a Minor nendment (per UF Operating Memorandum) and without changing the Campus Development Agreement	Х						-	-	•	
2) The proj 1.1.2 an	ect is consistent with the Future Land Use designation and definition (Figure 2-1, Future Land Use and Policies d 1.1.8)	Х						-	-	-	
a) If " UF	no", the necessary modification to Figure 2-1 (Future Land Use) can be accomplished as a Minor Amendment (per Operating Memorandum) and without changing the Campus Development Agreement			Х				-	-	-	
3) The proj support/ Policies Policy 2.	ect location is consistent with policies that direct the location of specific uses (i.e. academic facilities, clinical facilities, housing, recreation/open space & parking) (Academic Facilities, Policy 1.2.3; Support/Clinical, 1.1.3, 1.1.4 and 1.1.6; Housing, Policy 1.3.1; Recreation/Open Space, Policies 1.3.1 and 1.3.3; Transportation .5.4 and 2.5.6)	Х						÷	+	-	
4) X The The Academ Improve	<ul> <li>project is not a temporary building; OR</li> <li>temporary building is located in the Surge Area, Energy Park, Physical Plant Division complex,</li> <li>ic/Research-Outdoor Future Land Use, or the temporary building supports construction activity (Capital ments, Policy 1.1.15)</li> </ul>			Х	-	-	-	-	-	-	
5) The proj Improve	ect considers life-cycle costing, pursues principles of sustainable design and/or seeks LEED certification (Capital ments, Policy 1.1.14)	Х									
6) The build located v 13 <sup>th</sup> St), within ne Fifield H	Jing footprint, orientation and setback comply with Policy 1.3.1, Urban Design Element because the project is with road frontage along Stadium Rd (Gale Lemerand Dr to Buckman Dr), University Ave (Gale Lemerand Dr to SW SW 13 <sup>th</sup> St, Center Drive, Museum Rd (west of Center Dr. to SW 13 <sup>th</sup> St), Archer Rd/SW 16 <sup>th</sup> Ave, or Radio Rd; or aw centers of development (i.e. near Orthopaedics & Sports Med, Cultural Plaza, Southwest Recreation, and near all)		X								



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FACILITIES PLANNING AND CONSTRUCTION

## **Campus Master Plan Checklist**

				C	OMBIN	E FOR	DESIGN-BUILD			
EVALUATION CRITERIA		PROGRAMMING AND SITE SELECTION			SCHEMATIC DESIGN Concept Advanced			DESIGN DEVELOPMENT		
	YES	NO	NA	YES	NO	NA	YES	NO	NA	
7) The project is a minimum of 3-stories; <u>OR</u> the project demonstrates unique programmatic, functional or code requirements that dictate a variance from the 3-story minimum; <u>OR</u> the project meets alternate building height and design characteristic requirements based on its location in unique areas of campus for which more specific building design requirements apply (i.e. near Orthopaedic & Sports Med, SW Research Circle/Cancer-Genetics area, Fifield Hall area, Cultural Plaza, Radio Road Commuter Lot area, Archer Road Corridor/Planning Sector "G", Historic Impact Area, PKY Developmental Research School and Eastside Campus) ( <i>Urban Design, Policy 1.3.4 through 1.3.10</i> ); <u>OR</u> the project meets guidance for building height and design of housing facilities ( <i>Housing, Policy 1.3.2</i> )			X							
8) The project provides community design integration along campus perimeters as described in Policies 1.2.1 and 1.4.3, Urban Design Element, with respect to landscaping, hardscaping, views, signage, and bicycle/pedestrian accommodation as applicable because the project is located along Gateway Roads identified in Figure 1-6, Urban Design Element (i.e. University Ave, SW 2 <sup>nd</sup> Ave, SW 13 <sup>th</sup> St, Archer Rd, and SW 34 <sup>th</sup> St)	-	-	-							
<ul> <li>9) The project includes exterior public art; - Note: LVLC and PHBSC (if applicable) approval recommendation required OR</li> <li>The project demonstrates that exterior installation of public art is infeasible or undesirable (Urban Design, Policies 1.6.2, 1.6.3 and 1.6.4)</li> </ul>	-	-	-							
10) Utilities and associated support structures are installed underground or are appropriately screened from view by decorative architectural walls or landscaping ( <i>Electric Power and Other Fuels Sub-Element, Policy 2.1.7 and 2.1.8</i> )	-	-	-							
PRESERVATION OF HISTORIC BUILDINGS AND SITES COMMITTEE (PHBSC) – Note: see also #9 above										
<ul> <li>11) The project meets the requirements of the University's Memorandum of Agreement with the State Division of Historical Resources because <ul> <li>The site is located adjacent to an Archaeological Site or within an Archaeological Sensitivity Zone (Urban Design, Policy 1.7.1): <u>AND/OR</u></li> <li>Molicy 1.7.1): <u>AND/OR</u></li> <li>The project is new construction or a building addition located within the Historic District or Historic Impact Area depicted on Figure 1-2, Urban Design Element; <u>AND/OR</u></li> <li>The project includes renovation, rehabilitation or restoration of an existing structure that meets the definition of "historic property" described in Policy 1.5.4 of the Facilities Maintenance Element</li> </ul> </li> </ul>	X									
<ul> <li>a) If "yes" for new construction or building additions, the project design is sensitive to the orientation and character defining features of existing structures in the Historic Impact Area (<i>Urban Design, Policy 1.7.2</i>); with a building height between 2 and 5 stories not to exceed the height of existing historically significant buildings in close proximity (<i>Urban Design, Policy 1.3.7</i>)</li> </ul>			Х							



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FACILITIES PLANNING AND CONSTRUCTION

Campus Master Plan Checklist											
				COMBINE FOR DESIGN-BUILD							
EVALUATION CRITERIA PROGRAMMING AND SITE SELECTION					HEMAT DESIGN Concept Advance	f <b>IC</b> I t	DESIGN DEVELOPMENT				
	YES	NO	NA	YES	NO	NA	YES	NO	NA		
Lakes, Vegetation and Landscaping Committee (LVLC) – Note: see also #8 above											
12) The project does not reduce the size of an area in the Conservation Future Land Use (Figure 2-1, Future Land Use);	Х										
<ul> <li>The project mitigates the Conservation Future Land Ose change per Conservation, Policy 1.4.11</li> <li>The project (or any associated utilities or infrastructure) is not adjacent to or within a Conservation Future Land Use; OR</li> <li>The project siting, orientation and landscaping minimize visual impact on the Conservation Area, preserve native vegetation and allow a graduated transition from developed areas to Conservation Areas (Conservation Element, 1.1.4)</li> </ul>	Х										
14) The project minimizes impacts and conforms to the intent of the Conservation Area because the project is for new utilities or infrastructure (including exterior lighting and stormwater facilities) within a Conservation Future Land Use (Conservation, Policies 1.4.8, 1.4.9 and 1.4.10) – Note: LVLC approval recommendation required			Х								
<ul> <li>The project is not within 50-feet of a wetland; <u>OR</u></li> <li>The project within 50-feet of a wetland minimizes impacts to wetlands and the required wetland buffers; <u>and</u> provides a minimum 35-foot setback and average 50-foot setback; <u>and</u> uses only native plants in a naturalistic landscape design within wetland buffers (<i>Conservation, Policies 1.2.1, 1.2.2, 1.2.3, 1.2.4, and 1.2.5</i>)</li> </ul>	Х										
<ul> <li>The project is not within the 100-year floodplain; <u>OR</u></li> <li>The project within the 100-year floodplain addresses building elevation, compensating storage and off-site mitigation (<i>Conservation, Policy 1.2.6</i>)</li> </ul>	Х										
<ul> <li>17)  The project does not disturb any plants or animals identified as threatened and endangered species or species of special concern by federal and state agencies; <u>OR</u></li> <li>The project inventories such species and develops protection or relocation plans in coordination with appropriate local, state and federal agencies (<i>Conservation, Policies 1.3.2 and 1.3.3</i>)</li> </ul>	Х										
18) The project site does not impact an Open Space Connection identified in Figure 1-4, Urban Design Element ; <u>OR</u> The project maintains, enhances or satisfactorily realigns the open space connection ( <i>Urban Design, Policies 1.2.4 and 1.3.2; and Transportation, Policy 2.2.5</i> )	Х										
<ul> <li>19) The project site is not within or adjacent to an Open Space Enhancement Priority area identified in Figure 1-5, Urban Design Element; <u>OR</u></li> <li>The project provides appropriate landscaping, hardscaping, and bicycle/pedestrian open space enhancement for the related Open Space Enhancement Priority area (<i>Urban Design, Policy 1.4.2</i>)</li> </ul>	X										
20) The project integrates with existing topography and natural features (Urban Design, Policy 1.3.11)			Х		7	Х	1 7	1 7	Х		



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FACILITIES PLANNING AND CONSTRUCTION

### **Campus Master Plan Checklist**

				C	OMBIN	E FOR	DESIGN-BUILD			
EVALUATION CRITERIA		PROGRAMMING AND SITE SELECTION			SCHEMATIC DESIGN Concept Advanced			DESIGN DEVELOPMENT		
	YES	NO	NA	YES	NO	NA	YES	NO	NA	
21) The project identifies any potential adverse affects, accommodates any increase in volume of runoff over the pre- development volume for a 72-hour period from the 100-year storm event, and provides a courtesy review to the City of Gainesville because the project is within the Hogtown Creek drainage basin ( <i>General Infrastructure Stormwater Sub- Element, Policy</i> 1.3.5)			Х			Х			Х	
22) The project use trees, plant materials, exterior furniture, paving materials and walls to reinforce spatial organization and create "outdoor rooms" in functional open space adjacent to buildings, within the Urban Park Future Land Use, and along roadways, pedestrian connections and shared-use paths depicted in Figure 1-4 (Urban Design, Policies 1.3.3 and 1.4.1)	-	-	-							
23) Stormwater retention facilities associated with the project (if any) are designed to be natural and curvilinear in outline with variable side slopes, smooth transitions to existing grade and planted with native vegetation (General Infrastructure Stormwater Sub-Element, Policies 1.2.4 and 1.2.5)	-	-	-							
24) The project incorporates Best Management Practices and Low Impact Development design to address stormwater quality and quantity including pollutants, erosion and sedimentation ( <i>General Infrastructure Stormwater Sub-Element Policies</i> 1.3.2, 1.3.3, 1.3.4 and 1.4.1)	-	-	-							
25) The project satisfies UF Design & Construction Standards for tree protection, removal, relocation and mitigation (Urban Design, Policies 1.4.9, 1.4.10 and 1.4.12) – Note: LVLC approval recommendation required	-	-	-							
26) The project satisfies UF Design & Construction Standards for landscaping in parking lots and around buildings, and installation is concurrent with the appropriate building construction phase (Urban Design, Policies 1.4.13, 1.4.14 and 1.4.15) – Note: LVLC approval recommendation required	-	-	-							
PARKING AND TRANSPORTATION COMMITTEE (P&TC) – Note: see also #18 and #19 above										
27) The project provides a traffic engineering study with a courtesy review by UF's host local governments because the project includes a parking structure or surface with at least 300 parking spaces located in Alachua County ( <i>Transportation, Policy 1.2.2 and 1.2.3</i> )			Х							
<ul> <li>28)</li></ul>	Х									
29) The project satisfies UF Design & Construction Standards for bicycle parking including quantity, location and lighting with covering as feasible ( <i>Transportation, Policy 2.2.6</i> )	-	-	-							
<ul> <li>30) The project provides hot water showers and lockers for use by bicycle commuters; <u>OR</u></li> <li>The project demonstrates that hot water showers and lockers are infeasible (<i>Transportation, Policy 2.2.13</i>)</li> </ul>	-	-	-							
31) The project provides adequate parking to meet the needs of disabled persons, service and delivery vehicles necessitated by the building construction project ( <i>Transportation, Policy 2.6.5</i> )	-	-	-							

# Institute of Food and Agricultural Sciences



UF FLORIDA

IFAS

**PROJECT# TBD** 

# **PROJECT CRITERIA**

- CONSTRUCT NEW FIELD BUILDING TO INCREASE FACULTY STORAGE OF GREENHOUSE EQUIPMENT AND MATERIALS.
- MULTIPLE PINE TREES ARE REQUIRED TO BE REMOVED TO ACCOMMODATE LOCATION OF THE NEW BUILDING.
- THE REMOVAL OF THE PINE TREES WILL ALSO ELIMINATE SHADING WHICH IS PROBLEMATIC TO THE RESEARCH PLANTS IN THE GREENHOUSES.

# **PROJECT LOCATION**



# LOCATION OF PINE TREES



# **PINE TREE STAND**



# **TREE CANOPY**





## **TREES FACING EAST**



# **TREES FACING WEST**



## **INVENTORY OF TREES TO BE REMOVED**

- 5"-10" Pines = 24
- 10"-20" Pines = 20
- 20"-30" Pines= 3
- Oaks\*
  - One 20"
  - One 12"
  - Three 10"
  - One 7"
  - One 6"

<sup>\*</sup> Due to the overgrowth of pines, vines and underbrush the growth and direction of the oaks have been stunted.



# IN CONCLUSION

- The new facility will serve the research needs of Department of Agronomy faculty to meet current and future programs.
- The removal of the trees will prevent detrimental shading in the research greenhouses.

# **PROJECT LOCATION**



# **Removal Request 1**

- Request removal of Live Oak leaning over Bo339.
- Per picture, chainlink fence growing into base of tree.
- The tree is leaning over a building that was recently renovated at approximately \$500,000.

# Leaning Live Oak

## **Leaning Over Building**



## Fencing Grown into Base



# Leaning Live Oak

## **Additional Side View**



## **View from Front of Bo339**



# **Removal Request 2**

- Request removal of unknown species and Loblolly Pine.
- Per picture, unknown species is nearly flat topped, overgrown with vines and unhealthy in general.
- Loblolly Pine is very close to Bo350 and higher than building finish floor elevation. It is also connected to the unknown species by vine growth.
- We are working a grading project for this site to improve flow of water away from building and to drainage ditch.

# **Unknown Species**

## **Overall View**



## Main Trunk and Vines



# **Unknown Species**

## View of Growth and Health View Looking West





# **Loblolly Pine**

## **View Looking East**



## **View Looking West**



# IN CONCLUSION

- IFAS Facilities is requesting removal of three trees for building maintenance reasons.
- We believe the Live Oak and Loblolly Pine pose risks to building structure; and the unknown species is in poor condition.
- Removal of the Loblolly Pine and unknown species will allow us to promote positive grading away from the building.



