REPORT TO THE LAKES VEGETATION AND LANDSCAPING COMMITTEE

TO:	The LVL Committee	**FOR:**	April 8, 2021- LVLC meeting.
VIA:	Carlos Dougnac, Assistant Vice President, PDC	**FROM:**	Milo Zapata, Project Manager
REQUESTOR:	Mark Helms, Assistant Vice President, FS	**PRESENTERS:**	Milo Zapata and Design Professional

	PHASE:	Committee Responsibilities:	STATUS AND PRIOR COMMENTS:	DATE:
X	PROGRAMMING	*The committee will review and recommend approval/denial of general site suitability - having evaluated impacts to trees, landscape, natural areas, and lakes.*	Approved (see comments below)	08-08-2019
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.*	Continued design - Approved	02-11-2021
	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-623-B,C,D, Central Energy Plant and Utilities Infrastructure

SITE:
Gale Lemerand, adjacent to parking garage XIV.

STATUS:

This Presentation continues with the Advanced Schematic Design stage of the Program.

- Anticipated construction start – later part of 2022
- Construction duration 3.5 years
- Budget $200M

OBJECTIVES:

- UPDATE on Advanced Schematic Design (ASD) phase – providing one tree removal update related to the UF-623C project, specifically for the HDD design and requesting approval for 'new' tree removal as shown in legend and showing trees that were previously marked as being removed and are now to be 'saved'.

PROJECT PHASE AND PRESENTATION NARRATIVE:

ADVANCED SCHEMATIC DESIGN

This presentation will address several items discussed during the program Committee phase meeting.

- UF-623D – no change.
- UF-623B – no change.
- UF-623C – Horizontal Directional Drilling (HDD) – **Update & Approval of Tree Removal.**

ENCLOSURES: Presentation / CMP Checklist

UF
UNIVERSITY of FLORIDA

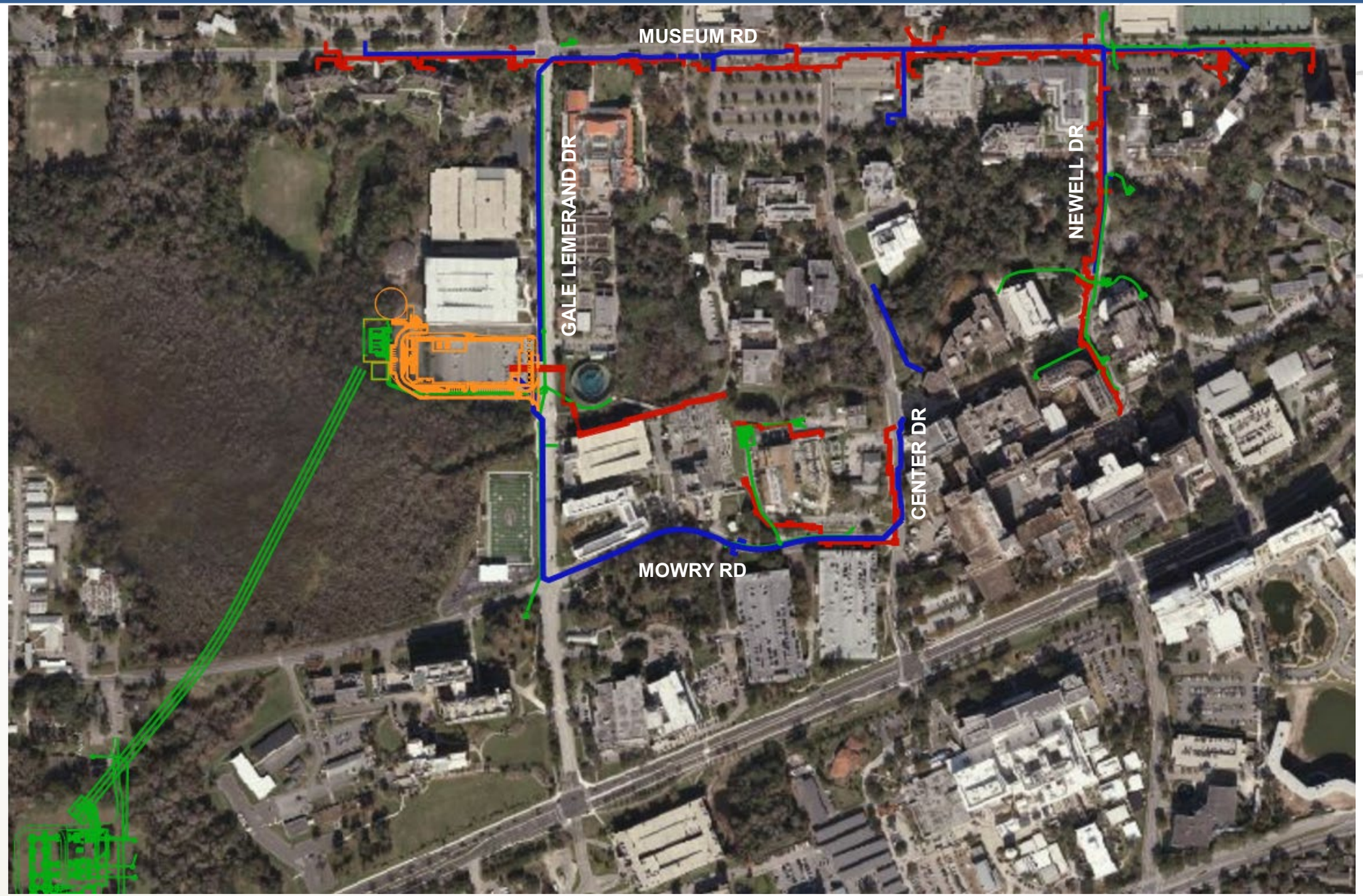
Lakes, Vegetation and Landscaping Committee

April 8, 2021

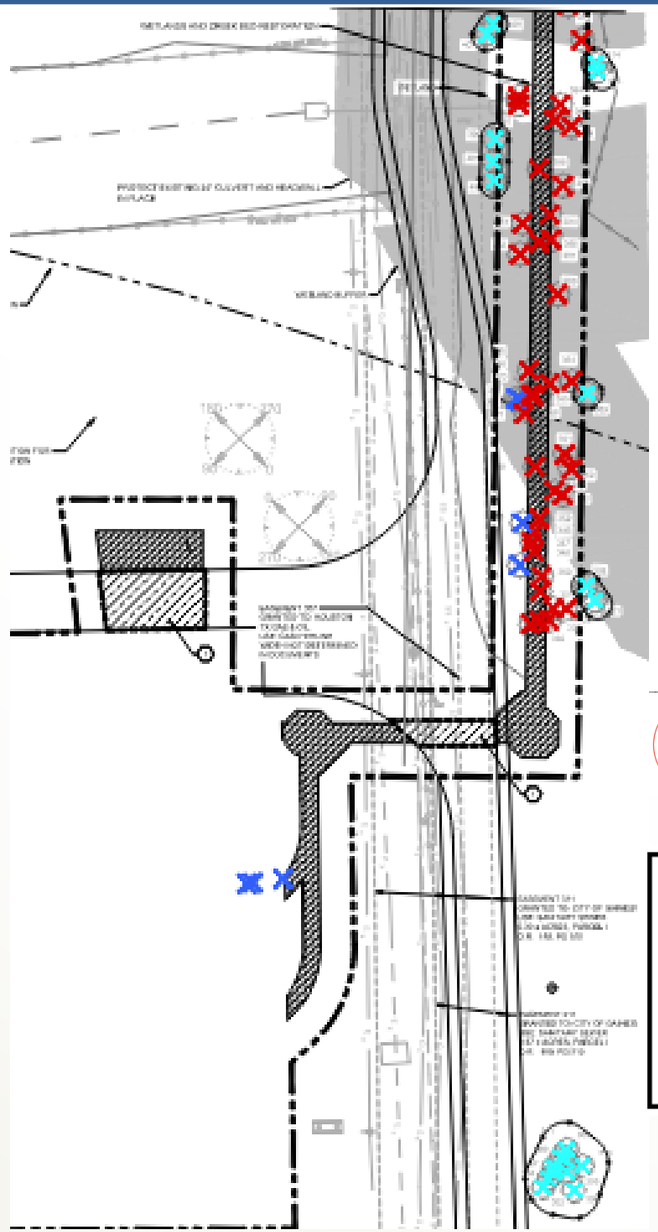
UF-623D CENTRAL ENERGY PLANT
UF-623B THERMAL UTILITY INFRASTRUCTURE
UF-623C ELECTRICAL UTILITY INFRASTRUCTURE

Jacobs

UF-623 Program Overview



UF-623C: Mowry Substation Site



50% TREES TO BE SAVED		
QTY	SPECIES	SIZE
1	LAUREL CHERRY	15"
1	SUGARBERRY	6"
1	LAUREL CHERRY	10"
1	SUGARBERRY	5"
1	SUGARBERRY	7"
1	SUGARBERRY	6"
1	SUGARBERRY	5"
1	SUGARBERRY	6"
1	SUGARBERRY	6"
1	MULBERRY	5"
1	SUGARBERRY	15"
1	SUGARBERRY	10"
1	SUGARBERRY	7"
1	MAPLE	11"
1	MAPLE	5"
15	TOTAL	

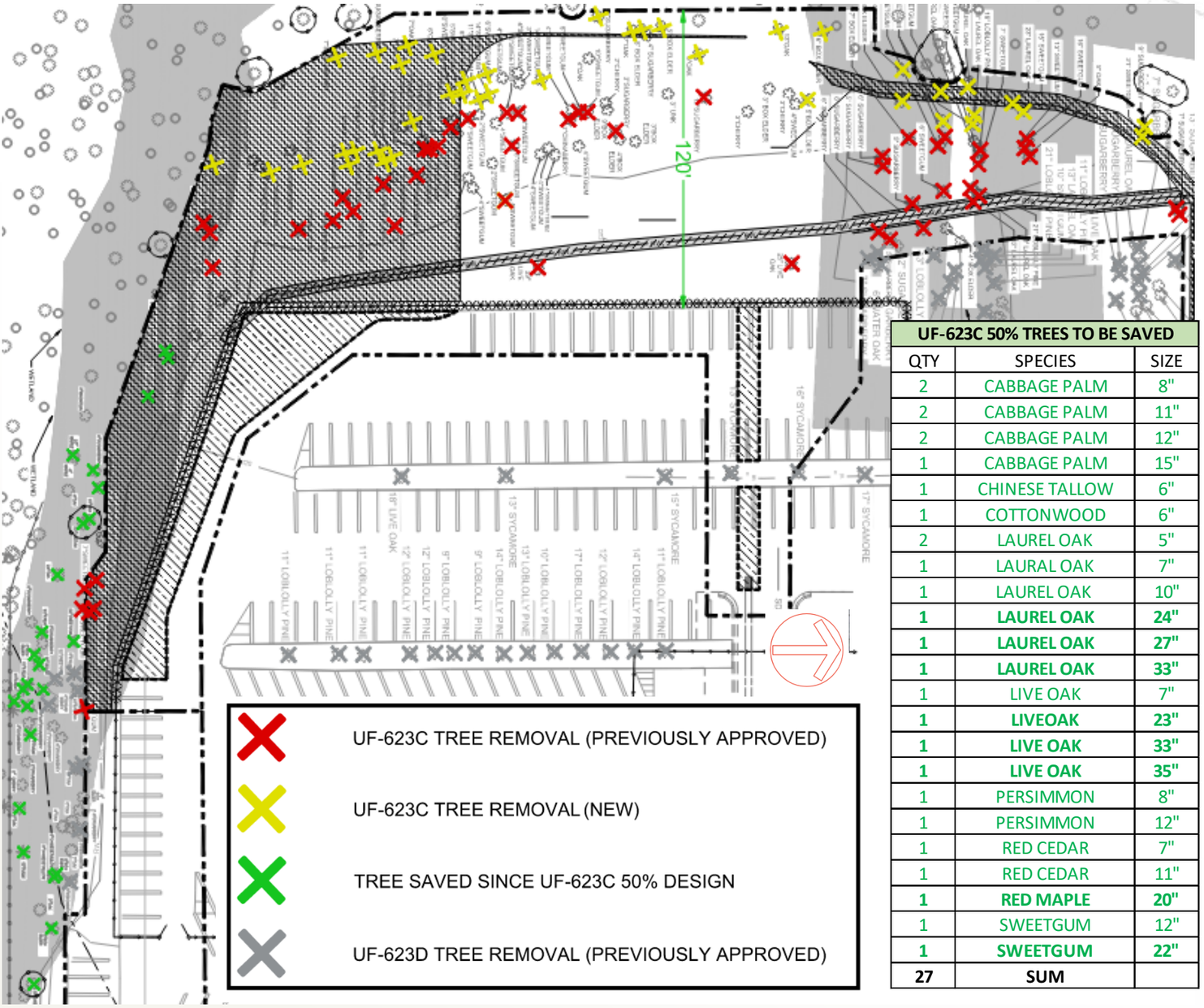
UF-623C TREE REMOVAL (PREVIOUSLY APPROVED)

TREE REMOVAL BY DUKE ENERGY

TREE SAVED SINCE UF-623C 50% DESIGN

UF-623C TREE REMOVAL			
QTY	SPECIES	SIZE	Number of Trees for Mitigation
1	MULBERRY	6"	2
1	MULBERRY	5"	2
1	MULBERRY	6"	2
1	MULBERRY	5"	2
1	MULBERRY	5"	2
1	MULBERRY	7"	2
1	MULBERRY	5"	2
1	SUGARBERRY	5"	2
1	MULBERRY	5"	2
1	LAUREL CHERRY	5"	2
1	LAUREL CHERRY	11"	2
1	SUGARBERRY	7"	2
1	SUGARBERRY	5"	2
1	SUGARBERRY	7"	2
1	SUGARBERRY	10"	2
1	LAUREL CHERRY	15"	2
1	SUGARBERRY	8"	2
1	MULBERRY	5"	2
1	SUGARBERRY	9"	2
1	SUGARBERRY	8"	2
1	SWEETGUM	19"	2
1	SUGARBERRY	5"	2
1	MULBERRY	8"	2
1	CHERRY LAUREL	5"	2
1	MULBERRY	5"	2
1	MAPLE	7"	2
1	MULBERRY	9"	2
1	LAUREL CHERRY	11"	2
28	TOTALS		56

UF-623C: E-House Yard Site



UF-623C 50% TREES TO BE SAVED		
QTY	SPECIES	SIZE
2	CABBAGE PALM	8"
2	CABBAGE PALM	11"
2	CABBAGE PALM	12"
1	CABBAGE PALM	15"
1	CHINESE TALLOW	6"
1	COTTONWOOD	6"
2	LAUREL OAK	5"
1	LAURAL OAK	7"
1	LAUREL OAK	10"
1	**LAUREL OAK**	**24"**
1	**LAUREL OAK**	**27"**
1	**LAUREL OAK**	**33"**
1	LIVE OAK	7"
1	**LIVEOAK**	**23"**
1	**LIVE OAK**	**33"**
1	**LIVE OAK**	**35"**
1	PERSIMMON	8"
1	PERSIMMON	12"
1	RED CEDAR	7"
1	RED CEDAR	11"
1	**RED MAPLE**	**20"**
1	SWEETGUM	12"
1	**SWEETGUM**	**22"**
27	**SUM**	

UF-623C TREE REMOVAL			
QTY	SPECIES	SIZE	Number of Trees for Mitigation
3	BOX ELDER	5"	6
1	BOX ELDER	6"	2
2	BOX ELDER	7"	4
1	BOX ELDER	8"	2
2	BOX ELDER	9"	4
1	BOX ELDER	11"	2
1	CHINNABERRY	7"	N/A
1	LAUREL OAK	8"	2
1	LAUREL OAK	12"	2
1	LAUREL OAK	13"	2
1	LAUREL OAK	17"	2
1	LAUREL OAK	18"	2
1	LAUREL OAK	23"	2
1	LIVE OAK	9"	2
1	LIVE OAK	25"	6
1	LIVE OAK	29"	10
1	LOBLOLLY PINE	17"	2
1	LOBLOLLY PINE	18"	2
1	LOBLOLLY PINE	21"	2
1	MAPLE	6"	2
1	OAK	5"	2
2	OAK	6"	4
3	OAK	7"	6
1	OAK	13"	2

UF-623C TREE REMOVAL			
QTY	SPECIES	SIZE	Number of Trees for Mitigation
3	SUGARBERRY	5"	6
3	SUGARBERRY	6"	6
4	SUGARBERRY	7"	8
1	SUGARBERRY	8"	2
1	SUGARBERRY	9"	2
1	SUGARBERRY	12"	2
2	SUGARBERRY	13"	4
1	SUGARBERRY	15"	2
8	SWEET GUM	5"	16
9	SWEET GUM	6"	18
8	SWEET GUM	7"	16
3	SWEET GUM	8"	6
1	SWEET GUM	9"	2
2	SWEET GUM	10"	4
4	SWEET GUM	11"	8
1	SWEET GUM	13"	2
3	SWEET GUM	14"	6
1	SWEETGUM	15"	2
2	SWEETGUM	16"	4
1	SWEET GUM	19"	2
1	SWEETGUM	21"	2
1	SYCAMORE	13"	2
1	WILLOW	8"	2
93	**Totals**		**72**

Note: The yellow highlighted cells are for approval and the cells that are not highlighted were previously approved.

QUESTIONS?

Campus Master Plan Checklist

TO: ULUFPC, LVLC, PHBSC, P&TC **DATE:** 04-02-2021 **PROJECT:** UF 623D Central Energy Plant
Prepared by: Erik Lewis / Milo Zapata **FROM:**

This form is to be completed for the applicable phase at the time that the project is reviewed by committees. Do not mark shaded cells in the columns because they do not apply to the review at the specified phase. Checklists should be cumulative so that projects presented at Design Development have all phase columns completed. Design-build projects may omit the Schematic Design phase column. These checklist criteria apply to development on the main campus and, as applicable, on Satellite Properties in Alachua County.

EVALUATION CRITERIA	PROGRAMMING AND SITE SELECTION			COMBINE FOR DESIGN-BUILD: SCHEMATIC DESIGN (☐ Concept ☒ Advanced)			COMBINE FOR DESIGN-BUILD: DESIGN DEVELOPMENT		
	YES	NO	NA	YES	NO	NA	YES	NO	NA
UNIVERSITY 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 (Future Building Sites) ☒ As presented in the adopted Campus Master Plan ☐ With edits to Table 13-1 to modify the project GSF or description ☐ With edits to Figure 13-1 to modify or assign the project site	X			X			-	-	-
a) If "no" or with edits: The addition or modification of the project in the CMP can be accomplished as a Minor Amendment (per UF Operating Memorandum) and without changing the Campus Development Agreement			X			X	-	-	-
2) The project is consistent with the Future Land Use designation and definition *(Figure 2-1, Future Land Use and Policies 1.1.2 and 1.1.8)*		X		X			-	-	-
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	X					X	-	-	-
3) The project location is consistent with policies that direct the location of specific uses (i.e. academic facilities, 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)*	X			X			-	-	-
4) ☒ The project is not a temporary building, OR ☐ The 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 *(Capital Improvements, Policy 1.1.15)*	X			-	-	-	-	-	-
5) The project considers life-cycle costing, pursues principles of sustainable design and/or seeks LEED certification *(Capital Improvements, Policy 1.1.14)*	X			X					
6) The building footprint, orientation and setback comply with Policy 1.3.1, Urban Design Element because the project is located with road frontage along Stadium Rd (Gale Lemerand Dr to Buckman Dr), University Ave (Gale Lemerand Dr to SW 13th St), SW 13th St, Center Drive, Museum Rd (west of Center Dr. to SW 13th St), Archer Rd/SW 16th Ave, or Radio Rd; or within new centers of development (i.e. near Orthopaedics & Sports Med, Cultural Plaza, Southwest Recreation, and near Fifield Hall)			X			X			

Campus Master Plan Checklist

EVALUATION CRITERIA	PROGRAMMING AND SITE SELECTION			COMBINE FOR DESIGN-BUILD: SCHEMATIC DESIGN ☐ Concept ☒ Advanced			DESIGN DEVELOPMENT		
	YES	NO	NA	YES	NO	NA	YES	NO	NA
7) The project is a minimum of 3-stories; OR the project demonstrates unique programmatic, functional or code requirements that dictate a variance from the 3-story minimum; OR 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) *(Urban Design, Policy 1.3.4 through 1.3.10)*; OR the project meets guidance for building height and design of housing facilities *(Housing, Policy 1.3.2)*	X			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 2nd Ave, SW 13th St, Archer Rd, and SW 34th St)	-	-	-	-	-	-			
9) ☐ The project includes exterior public art; - *Note: LVLC and PHBSC (if applicable) approval recommendation required* OR ☐ 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)*	-	-	-	-	-	-			
10) Utilities and associated support structures are installed underground or are appropriately screened from view by decorative architectural walls or landscaping *(Electric Power and Other Fuels Sub-Element, Policy 2.1.7 and 2.1.8)*	-	-	-	-	-	-			
PRESERVATION OF HISTORIC BUILDINGS AND SITES COMMITTEE (PHBSC) – Note: see also #9 above									
11) The project meets the requirements of the University's Memorandum of Agreement with the State Division of Historical Resources because ☐ The site is located adjacent to an Archaeological Site or within an Archaeological Sensitivity Zone *(Urban Design, Policy 1.7.1)*: AND/OR ☐ 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; AND/OR ☐ 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			X			X			
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 *(Urban Design, Policy 1.7.2)*; with a building height between 2 and 5 stories not to exceed the height of existing historically significant buildings in close proximity *(Urban Design, Policy 1.3.7)*			X			X			

Campus Master Plan Checklist

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	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); OR ☐ The project mitigates the Conservation Future Land Use change per Conservation, Policy 1.4.11		X		X					
13) ☐ The project (or any associated utilities or infrastructure) is not adjacent to or within a Conservation Future Land Use; OR ☒ 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)*		X		X					
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*									
15) ☐ The project is not within 50-feet of a wetland; OR ☒ The project within 50-feet of a wetland minimizes impacts to wetlands and the required wetland buffers; and provides a minimum 35-foot setback and average 50-foot setback; and uses only native plants in a naturalistic landscape design within wetland buffers *(Conservation, Policies 1.2.1, 1.2.2, 1.2.3, 1.2.4, and 1.2.5)*	X			X					
16) ☐ The project is not within the 100-year floodplain; OR ☒ The project within the 100-year floodplain addresses building elevation, compensating storage and off-site mitigation *(Conservation, Policy 1.2.6)*		X		X					
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; OR ☐ The project inventories such species and develops protection or relocation plans in coordination with appropriate local, state and federal agencies *(Conservation, Policies 1.3.2 and 1.3.3)*									
18) ☐ The project site does not impact an Open Space Connection identified in Figure 1-4, Urban Design Element ; OR ☒ 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)*	X			X					
19) ☒ The project site is not within or adjacent to an Open Space Enhancement Priority area identified in Figure 1-5, Urban Design Element; OR ☐ The project provides appropriate landscaping, hardscaping, and bicycle/pedestrian open space enhancement for the related Open Space Enhancement Priority area *(Urban Design, Policy 1.4.2)*	X			X					
20) The project integrates with existing topography and natural features *(Urban Design, Policy 1.3.11)*									

Campus Master Plan Checklist

EVALUATION CRITERIA	PROGRAMMING AND SITE SELECTION			COMBINE FOR DESIGN-BUILD: 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 *(General Infrastructure Stormwater Sub-Element, Policy 1.3.5)*			X			X			
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 *(General Infrastructure Stormwater Sub-Element Policies 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 *(Transportation, Policy 1.2.2 and 1.2.3)*			X			X			
28) ☐ The project does not result in any significant loss of existing parking; OR ☒ The loss of significant existing parking is mitigated - Note: Parking loss mitigation to be negotiated in consultation with the P&TC *(Transportation, Policy 2.6.5)*	X			X					
29) The project satisfies UF Design & Construction Standards for bicycle parking including quantity, location and lighting with covering as feasible *(Transportation, Policy 2.2.6)*	-	-	-	-	-	-			
30) ☐ The project provides hot water showers and lockers for use by bicycle commuters; OR ☐ The project demonstrates that hot water showers and lockers are infeasible *(Transportation, Policy 2.2.13)*	-	-	-	-	-	-			
31) The project provides adequate parking to meet the needs of disabled persons, service and delivery vehicles necessitated by the building construction project *(Transportation, Policy 2.6.5)*	-	-	-	-	--				