REPORT TO THE PARKING & TRANSPORTATION ADVISORY COMMITTEE

TO:	LVLC	FOR:	04.12.18 LVLC meeting
VIA:		FROM:	Howie S. Ferguson, Asst. Director and Sr. PM
REQUESTOR:	PD&C / Facilities Services	PRESENTERS:	Ferguson, CHW landscape architect

PHASE		COMMENTS	HISTORY	
			STATUS	DATE
	PROGRAMMING	The committee will provide preliminary review of the general site suitability - having evaluated impacts to trees, landscape, natural areas, and lakes.	N/A	
	SCHEMATIC DESIGN	The committee will review and recommend approval/denial of tree removals - plans for transplants, replacements and/or mitigation, based on the building footprint, utility corridors, and other construction activities.	N/A	
	DESIGN DEVELOPMENT	The committee will review and recommend approval/denial of new landscaping - appropriateness and inclusion of any mitigation for tree removal.	Approved	04.13.17

BACKGROUND INFORMATION

PROJECT:
UF-622, VetMed Energy Plant (ESCO)

New central energy plant at the College of Veterinary Medicine (VetMed), which will replace the existing plant; provide capacity for future growth; and address issues with reliability, aging infrastructure, and insufficient steam and chilled water capacity.

SITE:
College of VetMed. See below.

STATUS:
Project is in the 100% Construction Documents stage, with the intent to begin construction in early fall of this year. Returning to the LVLC to present the final landscape plan and tree impact/mitigation plan.

PRESENTATION NARRATIVE

- Project location, scope, schedule
- Tree impacts & mitigation
- Landscape plan

OBJECTIVES

- Tree impact/mitigation approval
- Comments on landscape plan

CHW
Professional Consultants

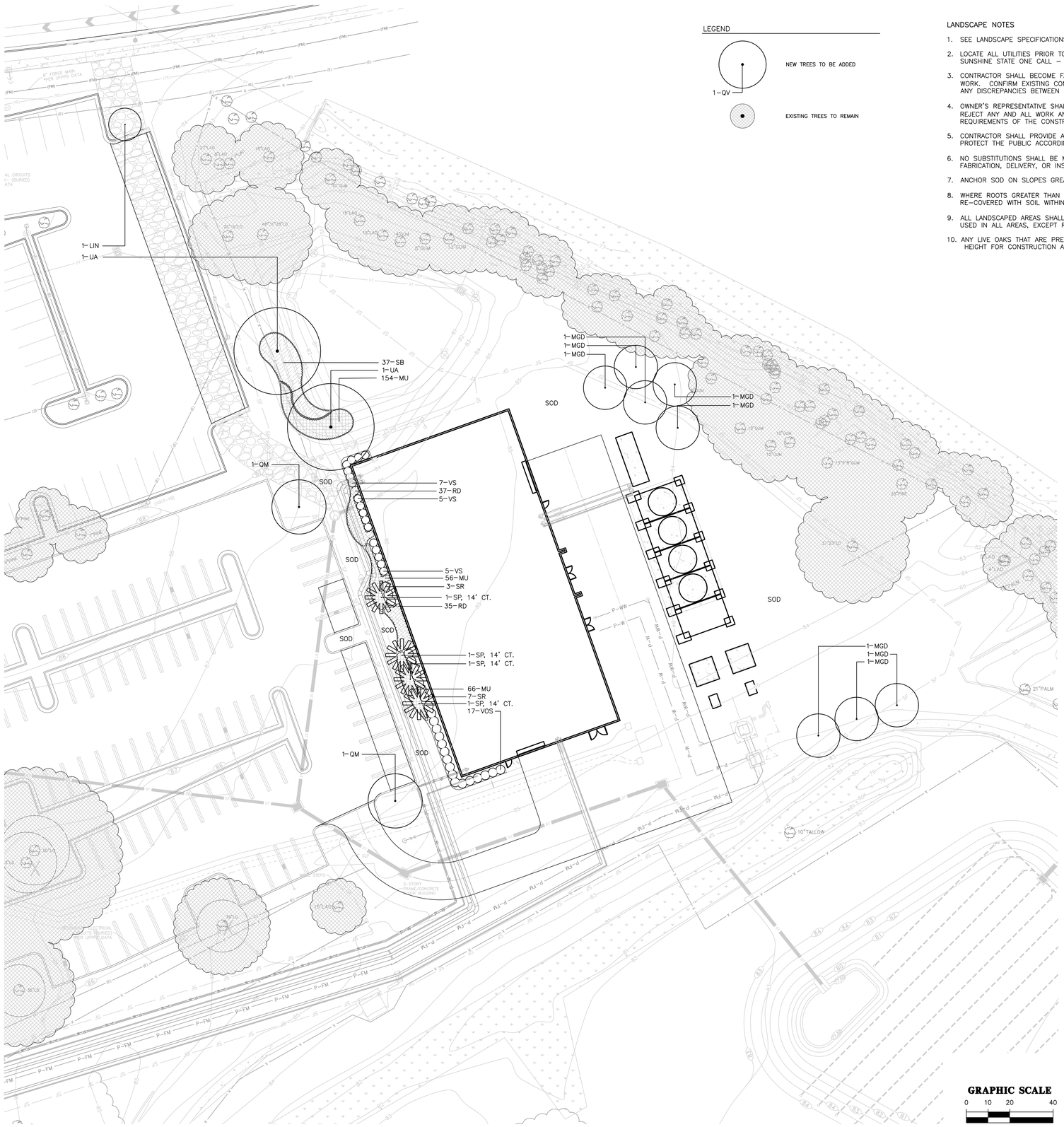
Statement of Probable Cost

Project Name:	**UF Vet Med Energy Plant**
BDA Project No:	16-0689
Date:	5-Apr-18
Phase:	Budget for proposed trees

Budget for Proposed Trees

	Qty	Unit	Installed Unit Cost	Installed Cost	Notes
PROPOSED TREES					
Lagerstroemia indica 'Natchez'	1	EA	$ 280.00	$ 280.00	30 gallon, 2" caliper
Magnolia grandiflora 'D.D. Blanchard'	8	EA	$ 550.00	$ 4,400.00	65 gallon, 3" caliper
Quercus michauxii	2	EA	$ 280.00	$ 560.00	30 gallon, 2" caliper
Ulmus alata	2	EA	$ 280.00	$ 560.00	30 gallon, 2" caliper
Sabal palmetto	4	EA	$ 400.00	$ 1,600.00	14' CT; See plans
Irrigation for Trees				$ 3,600.00	
			SUBTOTAL	**$ 11,000.00**	

CHW has no control over the cost of labor, materials, or equipment; the Contractor's method of determining prices; or competitive bidding or market conditions. Therefore, our statements of probable cost provided herein are made on the basis of experience and represent our best judgment as landscape architects familiar with the construction industry. The firm cannot and does not guarantee that proposals, bids, or construction costs will not vary from our statements of probable cost. If the Owner wishes greater assurances as to the construction cost, we recommend the employment of an independent cost estimator.



LEGEND

NEW TREES TO BE ADDED

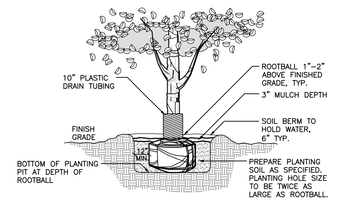
1-QV

EXISTING TREES TO REMAIN

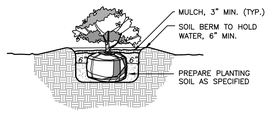
LANDSCAPE NOTES

1. SEE LANDSCAPE SPECIFICATIONS SECTIONS 32-8400, 32-9000, AND 32-9200 FOR MORE INFORMATION.
2. LOCATE ALL UTILITIES PRIOR TO COMMENCEMENT. OBTAIN A UF DIG PERMIT – CALL 352-392-5781. CALL SUNSHINE STATE ONE CALL – SEE BELOW LOGO.
3. CONTRACTOR SHALL BECOME FAMILIAR WITH THE PROJECT SITE PRIOR TO BIDDING AND COMMENCEMENT OF WORK. CONFIRM EXISTING CONDITIONS, IMPROVEMENTS, AND UTILITIES. NOTIFY OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES BETWEEN EXISTING CONDITIONS AND CONSTRUCTION DOCUMENTS IMMEDIATELY.
4. OWNER'S REPRESENTATIVE SHALL HAVE THE RIGHT, AT ANY STAGE OF DEMOLITION OR CONSTRUCTION, TO REJECT ANY AND ALL WORK AND MATERIAL WHICH, IN HIS/HER OPINION, DOES NOT MEET THE INTENT OR REQUIREMENTS OF THE CONSTRUCTION DOCUMENTS.
5. CONTRACTOR SHALL PROVIDE ALL NECESSARY SAFETY MEASURES DURING DEMOLITION AND CONSTRUCTION TO PROTECT THE PUBLIC ACCORDING TO ALL APPLICABLE CODES AND UNIVERSITY REQUIREMENTS.
6. NO SUBSTITUTIONS SHALL BE MADE WITHOUT WRITTEN APPROVAL BY THE OWNER'S REPRESENTATIVE PRIOR TO FABRICATION, DELIVERY, OR INSTALLATION.
7. ANCHOR SOD ON SLOPES GREATER THAN 3:1 WITH WOOD PEGS TO PREVENT SLIPPAGE, IF NEEDED.
8. WHERE ROOTS GREATER THAN ONE (1) INCH ARE DAMAGED OR EXPOSED, THEY SHALL BE CUT CLEANLY AND RE-COVERED WITH SOIL WITHIN ONE HOUR OF DAMAGE OR EXPOSURE.
9. ALL LANDSCAPED AREAS SHALL BE MULCHED WITH 3" THICKNESS OF MULCH. HARDWOOD MULCH SHALL BE USED IN ALL AREAS, EXCEPT RETENTION AREAS. PINE STRAW MULCH TO BE USED IN RETENTION AREAS.
10. ANY LIVE OAKS THAT ARE PRESERVED SHOULD BE DEADWOOD PRUNED AND THE CANOPY RAISED TO A SAFE HEIGHT FOR CONSTRUCTION AND VEHICULAR TRAFFIC.

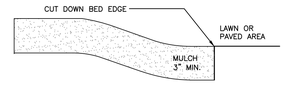
N



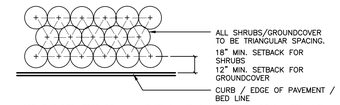
1 TREE PLANTING DETAIL
SCALE: N.T.S.



2 SHRUB PLANTING DETAIL
N.T.S.



3 MULCH DETAIL
N.T.S.



NOTE: THE PERIMETER OF ALL CURVED PLANTING BEDS SHALL BE PLANTED WITH A ROW OF SHRUBS AS SHOWN IN THE PLANS AND AT THE SPACING SHOWN IN THE PLANT LIST. INTERIOR PORTIONS OF EACH BED SHALL BE PLANTED AT APPROPRIATE SPACING ACCORDING TO THIS PLANT SPACING DETAIL.

4 PLANT SPACING DETAIL
N.T.S.

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
It's fast, it's free, it's the law.
Call 811 two business days before digging

PLANT SCHEDULE

	BOTANICAL NAME	COMMON NAME	SIZE	
TREES				
LIN	LAGERSTROEMIA INDICA 'NATCHEZ'	NATCHEZ CRAPE MYRTLE	30 GAL, 10' HT, 4' SPR, 2" CAL	
MGD	MAGNOLIA GRANDIFLORA 'DD BLANCHARD'	DD BLANCHARD MAGNOLIA	65 GAL, 14' HT, 54" SPR, 3" CAL, FULL TO GROUND	
QM	QUERCUS MICHAUXII	SWAMP CHESTNUT OAK	30 GAL, 12' HT, 42" SPR, 2" CAL	
UA	ULMUS ALATA	WINGED ELM	30 GAL, 10' HT, 4' SPR, 2" CAL	
PALM TREES	BOTANICAL NAME	COMMON NAME	SIZE	
SP	SABAL PALMETTO	SABAL PALM	REGENERATED, 12" MIN DBH, HEIGHT VARIES, SEE PLANS	
SHRUBS	BOTANICAL NAME	COMMON NAME	SIZE	
SR	SERENOA REPENS 'CINEREA'	SILVER SAW PALMETTO	3 GAL., 12" HT. X 12" SPR.	
VOS	VIBURNUM OBOVATUM 'MRS. SCHILLER'S DELIGHT'	MRS. SCHILLERS DELIGHT VIBURNUM	3 GAL., 18" HT., 18"SPR.	
VS	VIBURNUM SUSPENSUM	SANDANKWA VIBURNUM	3 GAL., 18" HT., 18"SPR.	
GROUND COVERS	BOTANICAL NAME	COMMON NAME	SIZE	SPACING
MU	MUHLENBERGIA CAPILLARIS	PINK MUHLY	1 GAL., FULL	18" o.c.
RD	ROSA X 'PEACH DRIFT'	PEACH DRIFT ROSE	1 GAL., FULL	24" o.c.
SB	SPARTINA BAKERI	SAND CORD GRASS	1 GAL., FULL	42" o.c.
SOD/SEED	BOTANICAL NAME	COMMON NAME	SIZE	
SOD	PASPALUM NOTATUM 'ARGENTINE'	BAHIA GRASS	WEED FREE AND SAND GROWN SOD	

GRAPHIC SCALE
0 10 20 40

NOT FOR CONSTRUCTION - FOR REVIEW ONLY

SEAL

CHW Professional Consultants
132 NW 76th Drive
Gainesville, Florida 32607
(352) 331-1976 / (352) 331-2476
www.chw-inc.com
est. 1988 FLORIDA CA-5075

UF UNIVERSITY of FLORIDA College of Veterinary Medicine
CENTRAL PLANT
Project Number: UF622

ICT I.C. THOMASSON ASSOCIATES, INC.
CONSULTING ENGINEERS
NASHVILLE, TN. (615) 346-3400

SIEMENS

DRAWN BY SK	JOB No. 16-0689	SCALE 1" = 20'-0"
CHECKED BY LH	ISSUE DATE 04/04/2018	SHEET No. L-101 LANSCAPE PLAN
FILENAME 16-0689 DESIGN BASE	PLOT DATE 04-05-18	

DATE	DATE	DATE	DATE	DATE
BY	E	D	C	B

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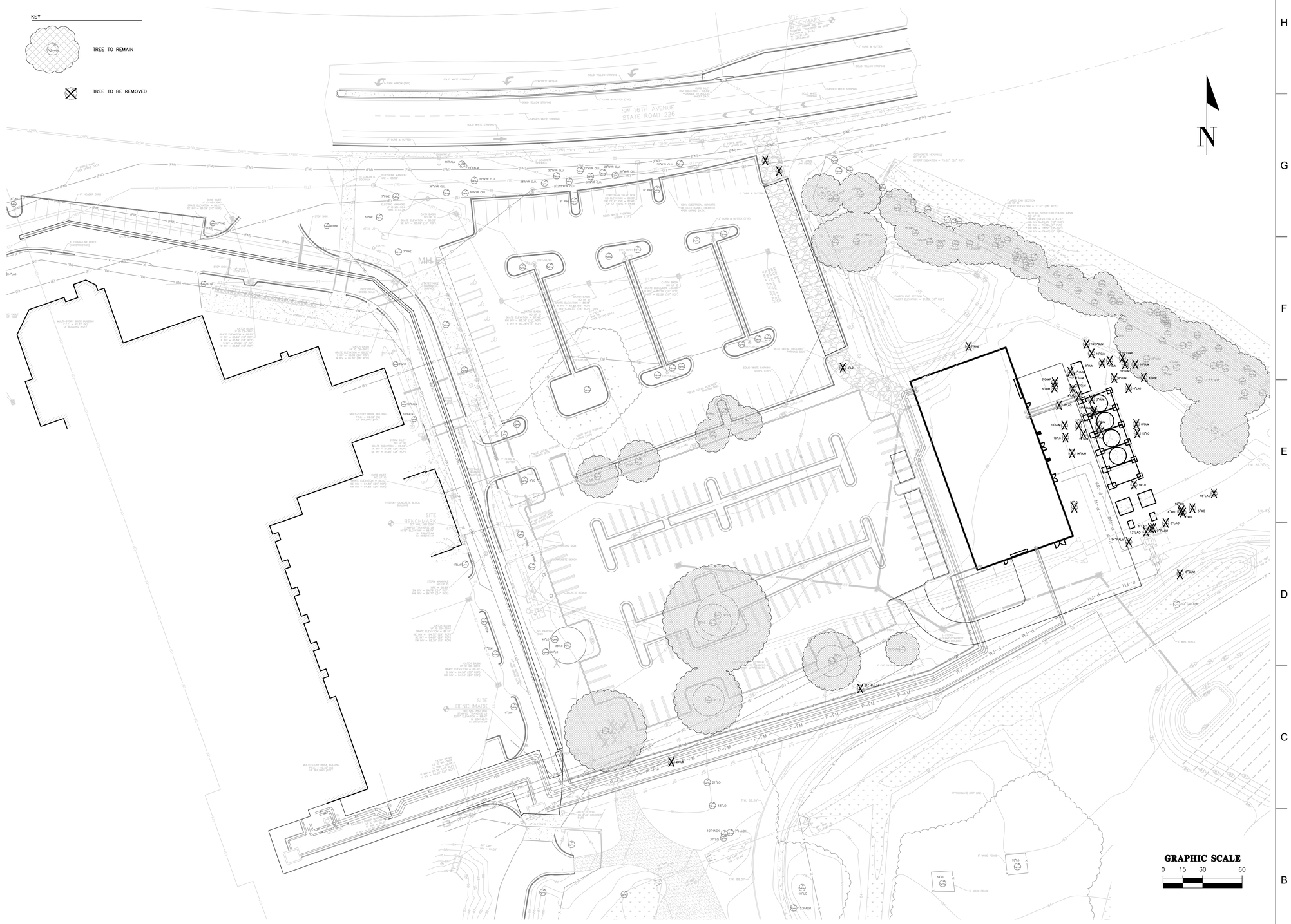
TREE IMPACT AND MITIGATION TABLE					
TREE #	TREE TO BE REMOVED	DBH (INCHES)	CONDITION	MITIGATION TREES REQUIRED	FEE ($250 / TREE)
172	Cabbage Palm	17	B	2	$500
175	Sweetgum	6.2	B	2	$500
182	Sugarberry	3	FW	no mitigation	
184	Laurel Oak	13.3	B	2	$500
185	Laurel Oak	6.8	FW	no mitigation	
186	Cabbage Palm	16.8	B	2	$500
188	Water Oak	12.4	B	2	$500
189	Water Oak	4.9	FW	no mitigation	
190	Water Oak	5	FW	no mitigation	
191	Laurel Oak	3.9	FW	no mitigation	
192	Laurel Oak	17.5	B	2	$500
199	Live Oak	20.6	B	2	$500
201	Live Oak	25.6	B	5	$1,250
244	Loblolly Pine	6.8	B	2	$500
248	Live Oak	5	B	2	$500
249	Live Oak	50	B	17	$4,250
252	Live Oak	16	B	2	$500
253	Live Oak	15	B	2	$500
261	Sweetgum	14	FW	no mitigation	
262	Sweetgum	10	FW	no mitigation	
263	Sweetgum	9	FW	no mitigation	
264	Sweetgum	9	FW	no mitigation	
265	Camphor	11	FW	no mitigation	
266	Sweetgum	6	FW	no mitigation	
267	Sweetgum	12	FW	no mitigation	
268	Laurel Oak	4	FW	no mitigation	
269	Sweetgum	17	FW	no mitigation	
270	Sweetgum	10	FW	no mitigation	
271	Sweetgum	11	FW	no mitigation	
272	Sweetgum	10	FW	no mitigation	
273	Sweetgum	3	FW	no mitigation	
274	Laurel Oak	4	FW	no mitigation	
275	Sweetgum	23	FW	no mitigation	
276	Sweetgum	11	FW	no mitigation	
277	Sugarberry	4	FW	no mitigation	
278	Sweetgum	5	FW	no mitigation	
279	Holly	4	FW	no mitigation	
308	Sugarberry	15	FW	no mitigation	
310	Sweetgum	10	FW	no mitigation	
311	Sweetgum	4	FW	no mitigation	
317	Camphor	3	FW	no mitigation	
318	Sweetgum	5	FW	no mitigation	
319	Laurel Oak	7	FW	no mitigation	
320	Sweetgum	15	FW	no mitigation	
321	Sweetgum	14	FW	no mitigation	
322	Sweetgum	10	FW	no mitigation	
323	Sweetgum	14	FW	no mitigation	
333	Sweetgum	11	FW	no mitigation	
334	Sugarberry	13	FW	no mitigation	
335	Sugarberry	11	FW	no mitigation	
336	Sugarberry	9	FW	no mitigation	
N/A	Crape myrtle	22	B	no mitigation	
N/A	Crape myrtle	24	B	no mitigation	
	TOTAL MITIGATION			44	TREES
	TREES PROVIDED:			16	TREES
	TOTAL MITIGATION TREES REQUIRED:			28	TREES
	TOTAL ESTIMATED MITIGATION COST ($250/TREE)			**$7,000**	

KEY

TREE TO REMAIN

TREE TO BE REMOVED



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SIEMENS

DRAWN BY SK	JOB No. 16-0689	SCALE 1" = 30'-0"
CHECKED BY LH	ISSUE DATE 04/04/2018	SHEET No. L-102 TREE IMPACTS
FILENAME 16-0689 DESIGN BASE	PLOT DATE 04-05-18	

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REPORT TO THE LAKES VEGETATION AND LANDSCAPING COMMITTEE

TO:	The LVL Committee	FOR:	April 12, 2018, LVLC meeting.
VIA:	Carlos Dougnac, Assistant Vice President, PDC	FROM:	Frank Javaheri, Project Manager
REQUESTOR:	Dr. David Norton	PRESENTERS:	Frank Javaheri

	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.*		4-12-2018
	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.*		

BACKGROUND INFORMATION:

PROJECT:

UF-632, Data Science and Information Technology Center

SITE:

Current Bookstore and Visitor Welcome Center Parking Lot

STATUS:

- Programming in Progress
- Professional Selection to commence in June
- Construction to start approximately by mid-2019
- Construction duration 2 years
- Budget $125M

OBJECTIVES:

This project has the approval of the BOT and BOG for the site. At this stage, we are requesting approval of the possible Tree parking impacts and recommendations for moving forward with the design.

PROJECT PHASE AND PRESENTATION NARRATIVE:
Advanced Schematic Design

The UF Data Science and Information Technology (DSIT) Center will consist of two co-located, semi-autonomous interconnected building wings. The University is considering the incorporation of shared auditorium and/or atrium that will be common space, shared conference rooms and other spaces which interconnects the two wings. Each wing with four or five levels with an approximate total size of 260,000 GSF, state of the art multidisciplinary facility with a vision for a "signature architecture, program intent and sustainability" which would be engaged in the engineering, healthcare and bioinformatics programs.

ENCLOSURES:
Presentation

UF-632
Data Science and Information Technology Center

Program Phase

Lake Vegetation & Landscaping Committee

April 2018

Frank Javaheri, Sr. Project Manager
Planning, Design & Construction

UF-632
Data Science and Information Technology Center

- Location / Background / Scope
- Tree Impacts
- Other Impacts
- Current Status
- Committee Approval/Recommendation

DSIT Site Plan

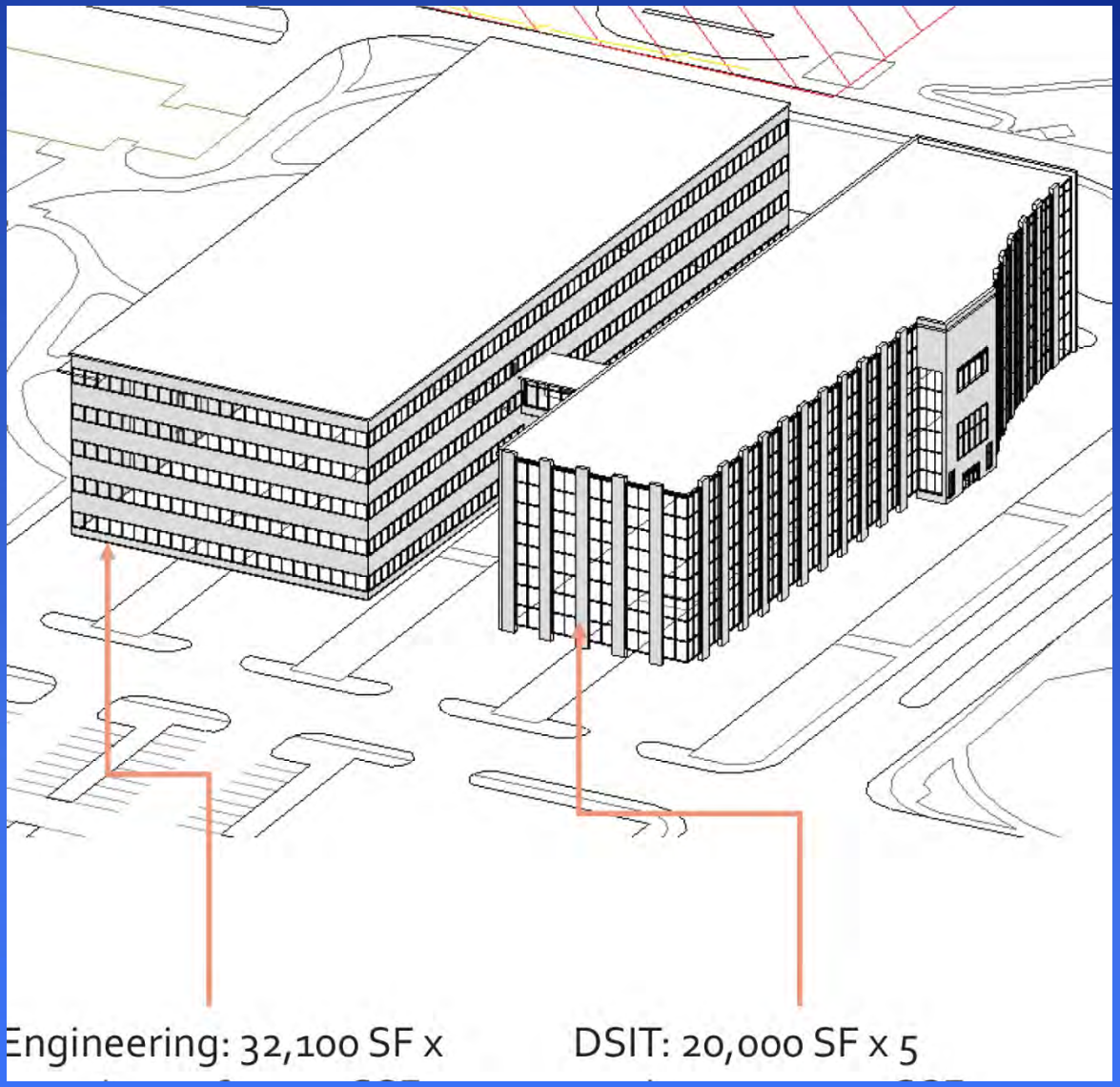
Location: Current Bookstore and Visitor Welcome Center Parking Lot

Program Rendering

Project Scope:

DSIT Center will consist of two Semi-Autonomous interconnected buildings, each with five levels with an approximate total size of 260,000 GSF, state of the art multidisciplinary facility which would be engaged in the engineering, healthcare and bioinformatics programs.

Proposed Program of the engineering educational process will result in graduates entering the workforce with enhanced skills in technological growth areas including human centered and reconfigurable computing, intelligent healthcare, cybersecurity, and application in artificial intelligence.



Project Scope

The Biomedical Informatics and Health Outcomes degrees train graduates to enter the workforce with skills focused on the

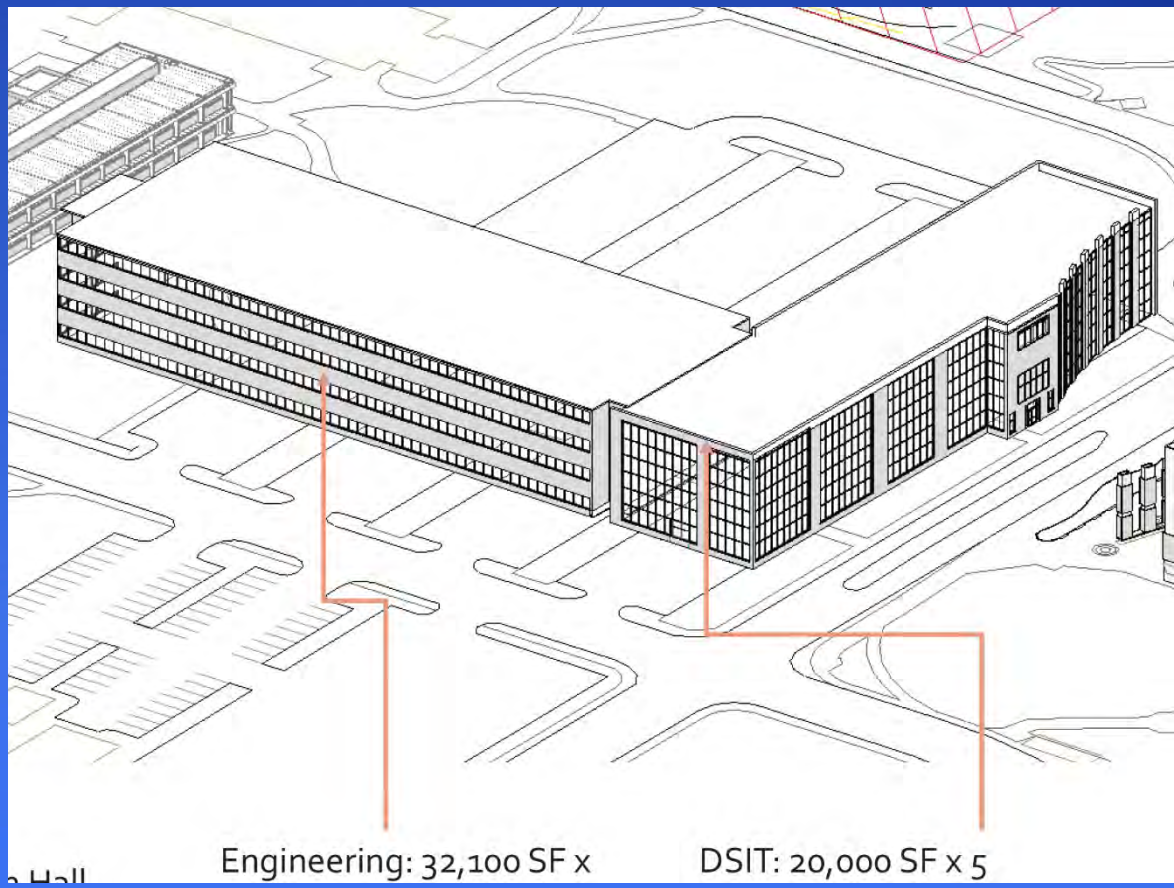
(1) development of novel clinical trials and precision population health initiatives that seek to improve other ability to promote health, prevent disease and reduce health disparities across populations by analyzing large amounts of linked, health-related data;

(2) the translation of findings into clinical practice using strategies emphasized in the field known as implementation science;

(3) novel approaches for acquiring, validating, enriching and linking health care data; and

(4) the development and application of "mHealth" technology (the use of mobile and other wireless technology in health care).

Program Rendering



Tree Impacts

Tree Impacts

Cabbage Palm:	10 (7-13”)
Laurel Oak:	2 (15 - 24”)
Live Oak:	4 (10 – 21”)
Longleaf Pine:	6 (4-10”)
Southern Magnolia:	24 (3-20”)
Sweetgum:	2 (18-24”)
Sycamore:	5 (10-25”)

Current Status

- Completing Program
- Preparing for Professional Selection

- Questions?

TREE PROTECTION AND DEMOLITION NOTES

1. SITE DEMOLITION: REFER TO CIVIL PLANS FOR DEMOLITION BEYOND EXISTING TREES AND VEGETATION.
2. PROTECTION OF EXISTING UTILITIES: LOCATE ALL UTILITIES PRIOR TO COMMENCEMENT OF WORK. OBTAIN A UF DIG PERMIT: CALL (352) 392-5781. ALSO CALL SUNSHINE STATE ONE CALL - SEE LOGO BELOW.
3. PRE-CONSTRUTION MEETING: CONTACT THE UF PROJECT MANAGER, PPD, AND THE PROJECT LANDSCAPE ARCHITECT TO SCHEDULE AN ON-SITE MEETING PRIOR TO ANY DEMOLITION OR SITE CONSTRUCTION ACTIVITIES TO REVIEW TREE PROTECTION AND REVIEW PROPOSED TREE AND VEGETATION PRESERVATION AND DEMOLITION.
4. EXISTING TREE PROTECTION: SEE TREE PROTECTION DETAIL FOR REQUIREMENTS.
5. OTHER EXISTING VEGETATION PROTECTION: PROTECT EXISTING TURF, LANDSCAPE, AND VEGETATION INDICATED TO REMAIN DURING CONSTRUCTION AND UNTIL FINAL ACCEPTANCE.
6. INVASIVE SPECIES: REMOVE INVASIVE, NONNATIVE PLANT SPECIES AS LISTED ON THE FLORIDA PROHIBITED AQUATIC PLANTS LIST OR THE FLORIDA NOXIOUS WEED LIST FROM THE SITE PRIOR TO ISSUANCE OF THE CERTIFICATE OF OCCUPANCY. ALL HERBICIDE APPLICATIONS TO CONTROL INVASIVE, NONNATIVE PLANTS IN WETLAND OR UPLAND SET-ASIDE AREAS, INCLUDING BUFFERS, SHALL BE APPLIED BY A CONTRACTOR LICENSED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES, DIVISION OF AGRICULTURAL ENVIRONMENTAL SERVICES, WITH A CURRENT CERTIFICATION IN NATURAL AREAS WEED MANAGEMENT. GAIN APPROVAL FOR USE OF HERBICIDES FROM UF PROJECT MANAGER PRIOR TO USE. FOR INVASIVE VINE REMOVAL, SUCH AS GRAPEVINE AND SMILAX, CUT VINES AND LEAVE IN PLACE, WITHOUT PULLING. GAIN APPROVAL FROM THE UF PROJECT MANAGER PRIOR TO VEGETATION REMOVAL WITHIN WETLAND AREAS.
7. PRUNING: IF TREE CANOPY OR ROOT PRUNING IS REQUIRED, THESE ACTIVITIES SHALL BE SELECTIVELY PERFORMED BY AN ARBORIST CERTIFIED BY THE INTERNATIONAL SOCIETY OF ARBORICULTURE (ISA). TREE PRUNING SHALL BE DONE IN ACCORDANCE WITH THE MOST CURRENT VERSION OF THE AMERICAN NATIONAL STANDARD FOR TREE CARE OPERATIONS "TREE, SHRUB AND OTHER WOODY PLANT MAINTENANCE"(ANSI 300) AND "PRUNING. TRIMMING. REPAIRING. MAINTAINING, AND REMOVING TREES. AND CUTTING BRUSH—SAFETY REQUIREMENTS" (ANSI Z133). NO MORE THAN 25 PERCENT OF THE CROWN SHOULD BE REMOVED AT ONE TIME. ON YOUNG TREES, LIMB REMOVAL SHALL LEAVE NO MORE THAN 33 PERCENT OF THE TRUNK BARE OF BRANCHES.
8. REPLACEMENT OF TREES AND VEGETATION: ANY VEGETATION, INCLUDING TREES AND SHRUBS, INDICATED TO BE PRESERVED BUT DAMAGED OR DESTROYED DURING CONSTRUCTION ACTIVITIES SHALL BE REPLACED OR MITIGATED BY THE CONTRACTOR WITH LIKE SPECIES OR ANOTHER SPECIES APPROVED BY PPD. IN THE CASE OF TREES, THIS MITIGATION SHALL OCCUR ON SITE WHENEVER POSSIBLE, ELSEWHERE ON CAMPUS IF NECESSARY DUE TO SPACE CONSIDERATIONS. MITIGATION TREES SHALL BE FLORIDA NURSERY GRADE NUMBER ONE OR BETTER AND SHALL BE A MINIMUM OF EIGHT FEET IN HEIGHT. THE CONTRACTOR SHALL BE HELD LIABLE FOR THE DIFFERENCE IN VALUE BETWEEN THE REPLACEMENT TREE AND THE ORIGINAL TREE (VALUE SET IN ACCORDANCE WITH THE INTERNATIONAL SOCIETY OF ARBORICULTURE'S LATEST EDITION OF "GUIDE FOR PLANT APPRAISAL", "REPLACEMENT COST METHOD," EDITED BY THE COUNCIL OF TREE AND LANDSCAPE APPRAISERS, PUBLISHED BY THE INTERNATIONAL SOCIETY OF ARBORICULTURE). THAT DIFFERENCE SHALL BE SUBTRACTED FROM THE CONTRACT AMOUNT TO BE PAID THE CONTRACTOR.
9. TREE MITIGATION: TREES GREATER THAN THREE (3) INCH DBH THAT ARE REMOVED AS A RESULT OF CONSTRUCTION ACTIVITIES MUST BE RELOCATED OR REPLACED. RELOCATED TREES MUST BE PLANTED IN ACCORDANCE WITH THE LATEST EDITION OF THE "PRINCIPLES AND PRACTICE OF PLANTING TREES AND SHRUBS" BY GARY W. WATSON AND E.B HIMELICK, PUBLISHED BY THE INTERNATIONAL SOCIETY OF ARBORICULTURE. THE PHYSICAL PLANT DIVISION URBAN FORESTER MUST APPROVE NEW LOCATIONS. TREES INDICATED TO BE RELOCATED SHALL BE RELOCATED BY UF PHYSICAL PLANT DIVISION, GROUNDS. CONTACT MS. DONNA BLOOMFIELD, (352) 294-0813 PRIOR TO ANY SITE DEMOLITION OR CONSTRUCTION ACTIVITIES TO COORDINATE TIMING AND ANY ISSUES ANTICIPATED FOR PROPOSED TREE RELOCATIONS.
10. RESPONSIBILITY: WARRANTY POLICY: ALL PROTECTED/EXISTING LANDSCAPING WITHIN THE WORK AREA AND ANY NEW LANDSCAPING SHALL BE WARRANTED TO BE ALIVE AND IN HEALTHY CONDITION ONE (1) YEAR FROM DATE OF SUBSTANTIAL COMPLETION. IF ANY LANDSCAPING MATERIAL IS REPLACED WITHIN THE WARRANTY PERIOD THEN THE REPLACEMENT MATERIAL SHALL ALSO BE WARRANTED ONE (1) YEAR FROM DATE OF REPLACEMENT AD INFINITUM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFICATION, IN WRITING, OF THE OWNER 30 DAYS PRIOR TO THE END OF THE WARRANTY PERIOD. THE OWNER HAS THE OPTION TO DO AN END OF WARRANTY INSPECTION AT THAT TIME. FAILURE OF THE CONTRACTOR TO NOTIFY OWNER OF END OF WARRANTY SHALL CAUSE THE WARRANTY PERIOD TO EXTEND, UNTIL SUCH TIME AS THE CONTRACTOR GIVES THE OWNER 30 DAYS END OF WARRANTY NOTICE.

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
It's fast, it's free, it's the law.
Call 811 two business days before digging

EXISTING TREE RANKING CRITERIA

No.	Ranking	Description
5	Good	Excellent to good specimen with even and lush canopy with little to no dieback; no evident injuries to trunk; no evidence of root circling or injury
4	Average	Typical specimen with a generally full canopy with little to no dieback or dieback that is likely able to be addressed with selective trimming; no evidence of significant injuries to trunk; few if any evidence of minor root circling or injury
3	Fair	Uneven or partially impacted canopy with some dieback that may require selective trimming; evidence of previous minor to few significant injuries to trunk but evidence of some level of recovery; evidence of minor root circling or injuries
2	Poor	Canopy not thriving or includes significant dieback; and/or evidence of significant injuries to trunk; evidence of large root circling or significant root cutting or injury; numerous epiphytes or evidence of parasitic plants or fungi
1	Very Poor	Specimen appears significantly damaged and does not appear to be thriving; major injuries to canopy, trunk, or roots evident; likely inability for specimen to recover from previous damage and injuries

LEGEND

EXISTING TREES TO REMAIN (WITH TREE NUMBER) — 28"OAK

EXISTING TREE TO BE REMOVED (WITH TREE NUMBER) — 12"OAK

EXISTING TREE RANKING, PRESERVATION, AND DEMOLITION CHART

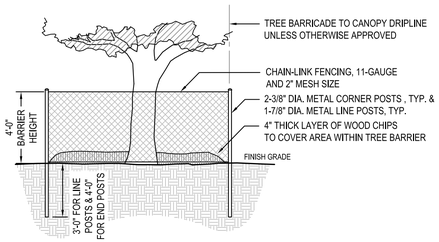
Tree No.	Scientific Name	Common Name	Size (DBH)	Condition Rating	Remove or Remain?	Mitigation
1	Liquicambar styraciflua	Sweetgum	7"	3	REMAIN	
2	Liquicambar styraciflua	Sweetgum	6"	3	REMAIN	
3	Unknown	Unknown	3"&4"	3	REMAIN	
4	Sabal palmetto	Sabal Palm	18"	3	REMAIN	
5	Carya glabra	Pignut Hickory	24"	3	REMAIN	
6	Quercus laurifolia	Laurel Oak	6"	3	REMAIN	
7	Quercus laurifolia	Laurel Oak	10"	3	REMAIN	
8	Carya glabra	Pignut Hickory	19"	2	REMAIN	
9	Quercus laurifolia	Laurel Oak	18"	3	REMAIN	
10	Pinus taeda	Loblolly Pine	32"	4	REMAIN	
11	Carya glabra	Pignut Hickory	24" Twin	4	REMAIN	
12	Carya glabra	Pignut Hickory	24" Twin	3	REMAIN	
13	Sabal palmetto	Sabal Palm	15"	3	REMAIN	
14	Liquicambar styraciflua	Sweetgum	9"	3	REMAIN	
15	Nyssa aquatica	Water Tupelo	21"	3	REMAIN	
16	Liquicambar styraciflua	Sweetgum	20"	3	REMAIN	
17	Quercus virginiana	Live Oak	41" &29"	3	REMAIN	
18	Cinnamomum camphora	Camphor	36"	3	REMAIN	
19	Cinnamomum camphora	Camphor	6"	3	REMAIN	
20	Quercus laurifolia	Laurel Oak	36"	3	REMAIN	
21	Celtis occidentalis	Hackberry	13" Twin	3	REMAIN	
22	Liquicambar styraciflua	Sweetgum	4"	3	REMAIN	
23	Celtis occidentalis	Hackberry	5"	3	Remove	2:1
24	Celtis occidentalis	Hackberry	5"	3	Remove	2:1
25	Acer negundo	Box Elder	17"	3	Remove	2:1
26	Liquicambar styraciflua	Sweetgum	8"	3	Remove	2:1
27	Liquicambar styraciflua	Sweetgum	8"	3	Remove	2:1
28	Liquicambar styraciflua	Sweetgum	9"	3	Remove	2:1
29	Liquicambar styraciflua	Sweetgum	6"	3	Remove	2:1
30	Acer rubrum	Red Maple	5"	3	Remove	2:1
31	Liquicambar styraciflua	Sweetgum	5"	3	Remove	2:1
32	Acer rubrum	Red Maple	7"	3	Remove	2:1
33	Acer rubrum	Red Maple	8"	3	Remove	2:1
34	Liquicambar styraciflua	Sweetgum	18" Twin	3	Remove	2:1
35	Celtis occidentalis	Hackberry	5"	3	Remove	2:1
36	Celtis occidentalis	Hackberry	5"	3	Remove	2:1
37	Acer rubrum	Red Maple	15"	3	Remove	2:1
38	Liquicambar styraciflua	Sweetgum	6"	3	Remove	2:1
39	Prunus serotina	Black Cherry	12"	3	Remove	2:1
40	Acer rubrum	Red Maple	5"	3	Remove	2:1
41	Celtis occidentalis	Hackberry	5"	3	Remove	2:1
42	Quercus virginiana	Live Oak	40"	4	REMAIN	
43	Hardwood and Pine mix of Loblolly Pines, Laurel Oaks, Water Oaks, Sweetgum, Hackberry, etc.		varies	3	REMAIN	

Total Mitigation Trees Required *	38

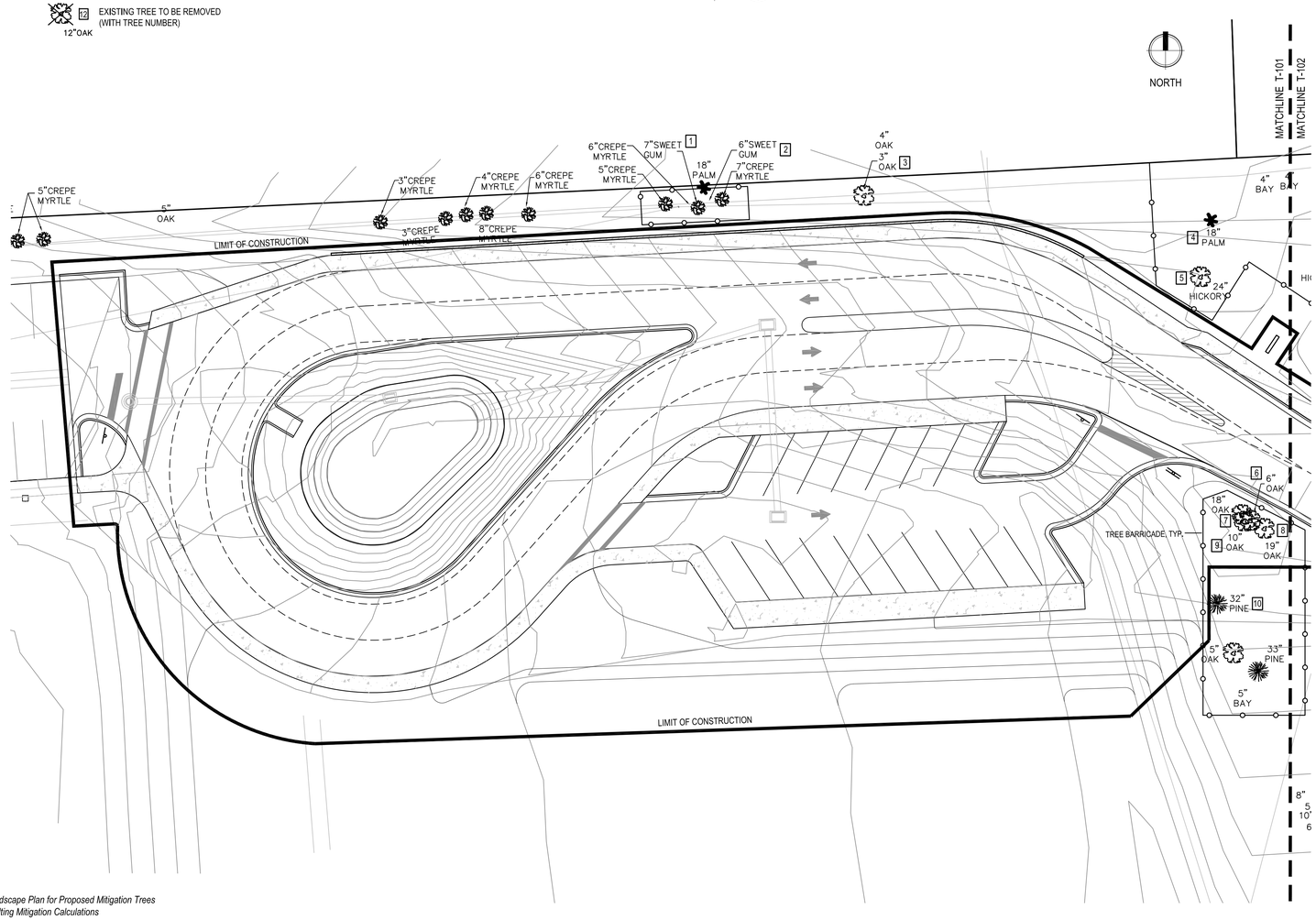
** See Landscape Plan for Proposed Mitigation Trees and Resulting Mitigation Calculations*

TREE PROTECTION NOTES:

1. TREE BARRICADE CONSTRUCTION SHALL BE COMPLETED BEFORE ANY OTHER SITE PREPARATION OR VEHICLE ENTRY. OTHER THAN PERIMETER FENCE CONSTRUCTION. AFTER COMPLETION OF TREE BARRICADE CONSTRUCTION AND PRIOR TO ANY ADDITIONAL SITE PREPARATION, PPD AND/OR THE OWNER'S REPRESENTATIVE SHALL INSPECT THE TREE BARRICADES FOR COMPLIANCE WITH THE APPROVED PLAN.
2. NO GRADE CHANGES MAY OCCUR WITHIN TREE BARRIER AREA WITHOUT PRIOR APPROVAL BY THE OWNER'S REPRESENTATIVE.
3. DO NOT STORE MATERIALS OR ALLOW NO FOREIGN MATERIALS SUCH AS TRASH, CONSTRUCTION DEBRIS, BUILDING MATERIALS, OR HARMFUL CHEMICALS WITHIN PROTECTIVE BARRIERS.
4. DO NOT ALLOW ENCROACHMENT OF VEHICLES OR MACHINERY WITHIN TREE BARRIER AREA.
5. LANDSCAPE PREPARATION IN THE PROTECTED AREA SHALL BE LIMITED TO SHALLOW DISCING OF THE AREA. DISCING SHALL BE LIMITED TO A DEPTH OF FOUR INCHES UNLESS SPECIFICALLY APPROVED OTHERWISE.
6. MAINTENANCE OF EXISTING SHRUBS OR GROUNDCOVERS WITHIN THE CONSTRUCTION AREA IS THE RESPONSIBILITY OF THE CONTRACTOR DURING CONSTRUCTION.
7. ANY TREE CARE WORK WITHIN THE CONSTRUCTION AREA IS THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE PERFORMED BY AN ISA CERTIFIED ARBORIST IN CONSULTATION WITH PPD.
8. WHERE ROOTS GREATER THAN 1" ARE DAMAGED OR EXPOSED, THEY SHALL BE CUT CLEANLY AND RE-COVERED WITH SOIL WITHIN ONE HOUR OF DAMAGE OR EXPOSURE.
9. UNDER NO CIRCUMSTANCES SHALL ANY WIRES OR ROPES BE ATTACHED TO TREES FOR ELECTRICAL SERVICE OR ANY OTHER REASON.
10. AREAS WITHIN TREE BARRICADES ARE TO BE MULCHED WITH FOUR INCHES OF HARDWOOD TREE CHIPS AFTER BARRICADE CONSTRUCTION.
11. TREE BARRIERS TO REMAIN IN PLACE UNTIL LANDSCAPING OPERATIONS THAT REQUIRE REMOVAL OF BARRIERS BEGIN. ONCE REMOVED, VEHICLE AND EQUIPMENT TRAFFIC AND STORAGE OF MATERIALS WITHIN AREA SHALL BE MINIMIZED AS MUCH AS POSSIBLE.



1 TREE PROTECTION DETAIL
SCALE: N.T.S.



MANLEY DESIGN
Landscape Architecture • Site Planning

Manley Design, LLC
3462 NW 13th Avenue
Gainesville, Florida 32605
(352) 363-7412
Certificate of Authorization No. LC26000575

PROJECT NAME:

P.K. YONGE 6th STREET ACCESS

Gainesville, FL

for

PK YONGE DEVELOPMENTAL RESEARCH SCHOOL

SEAL:

PROJECT NO: 18-003
CLIENT'S NO.: 17-0143.009
ISSUED FOR: ADVANCED SCHEMATIC DESIGN
ISSUED DATE: 04 APR 2018
REVISIONS:

SCALE:

0 10' 20' 40'
SCALE: 1" = 20'

SHEET TITLE:

TREE AND VEGETATION PROTECTION PLAN

SHEET NUMBER:

T-101

PLOTDATE: 04/04/2018 2:59 PM USER: ELISABETH MANLEY
FILENAME: C:\USERS\ELISABETH MANLEY\DESKTOP\PROJECTS\2018\18-003 PK YOUNG ENTRY DRIVE - DRWF\04_PRODUCTION\03_CDS\2018-04-04 ASD\01_SHEETS\18003_MD PKY ENTRY DRIVE_T.DWG

LEGEND

EXISTING TREES TO REMAIN (WITH TREE NUMBER)

EXISTING TREE TO BE REMOVED (WITH TREE NUMBER)

NORTH

MANLEY DESIGN
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REVISIONS:

SCALE:

0 10' 20' 40'
SCALE: 1" = 20'

SHEET TITLE:

TREE AND VEGETATION PROTECTION PLAN

SHEET NUMBER:

T-102

PLOTDATE: 04/04/2018 2:47 PM USER: ELISABETH MANLEY
FILENAME: C:\USERS\ELISABETH MANLEY\DESKTOP\PROJECTS\2018\18-003 PK YOUNG ENTRY DRIVE - DRMP\04_PRODUCTION\03_CDS\2018-04-04 ASD\01_SHEETS\18003_MD PKY ENTRY DRIVE_T.DWG