



Item: III.

Tuesday, April 21, 2015

SUBJECT: NAMING OF UNIVERSITY ELEMENTS -- ROBERT J. HUCKSHORN ARBORETUM

PROPOSED BOARD ACTION

Approve the naming of the arboretum located on the John D. MacArthur Campus in Jupiter as the "Robert J. Huckshorn Arboretum."

BACKGROUND INFORMATION

Professor Emeritus Robert J. Huckshorn came to Florida Atlantic University when it opened in 1964 as an associate professor of political science and one of the first 60 faculty members. Throughout his 38 years at FAU he served as Chair of the Political Science department, Dean of the College of Social Science, Interim Dean of College of Education, Acting Provost and Vice President for Academic Affairs, and Vice President of the Northern Campuses. He was also the Founding Administrator of the Christine E. Lynn College of Nursing and the College of Liberal Arts-Davie. As Vice President of the Northern Campuses (Jupiter and Port St. Lucie) he was instrumental in the founding and building of the John D. MacArthur Campus in Jupiter.

His service also includes two year terms as President of the Southern Political Science Association and President of Pi Sigma Alpha-National Political Science Honor Society. He was the first appointee by Governor Reuben Askew to the Florida Election Commission to enforce campaign finance laws in 1973, was reappointed twice by Governor Bob Graham and named Chairman by Governor Bob Martinez. He is the author of 13 books on political science.

Dr. Huckshorn retired from FAU on April 30, 2002. At that time, President Cantanese awarded Dr. Huckshorn with the President's Medallion for Distinguished Service and also established the Robert J. Huckshorn Arboretum on the MacArthur Campus. The arboretum had been proposed by Dr. Huckshorn to enhance the campus and provide educational opportunities for students. Over the next three years planning and development of the arboretum occurred. Between 2005 and 2015, the arboretum has grown to its full plan, become an integral part of campus educational activities, served as the site for the annual Arbor Day Celebration, and has been awarded for the last five years Tree Campus USA certification. It is a peaceful place where student, faculty, staff, and members of the greater community can enjoy nature and learn about plants in our native Florida ecosystems.

While this arboretum has always been known informally as the Robert J. Huckshorn Arboretum, the administration now desires to formalize the name pursuant to current University policy. The timing of this request coincides with the arboretum's 10 year anniversary as part of the MacArthur Campus and serves as a reminder of the recognition and connection of the arboretum to Dr. Huckshorn's significant contributions to the growth of FAU in the northern service areas.

Dr. Huckshorn has made significant financial contributions to the arboretum and participates as a volunteer on the arboretum committee. He resides in Boca Raton with his wife Carolyn.

IMPLEMENTATION PLAN/DATE

Upon Board approval.

FISCAL IMPLICATIONS

N/A

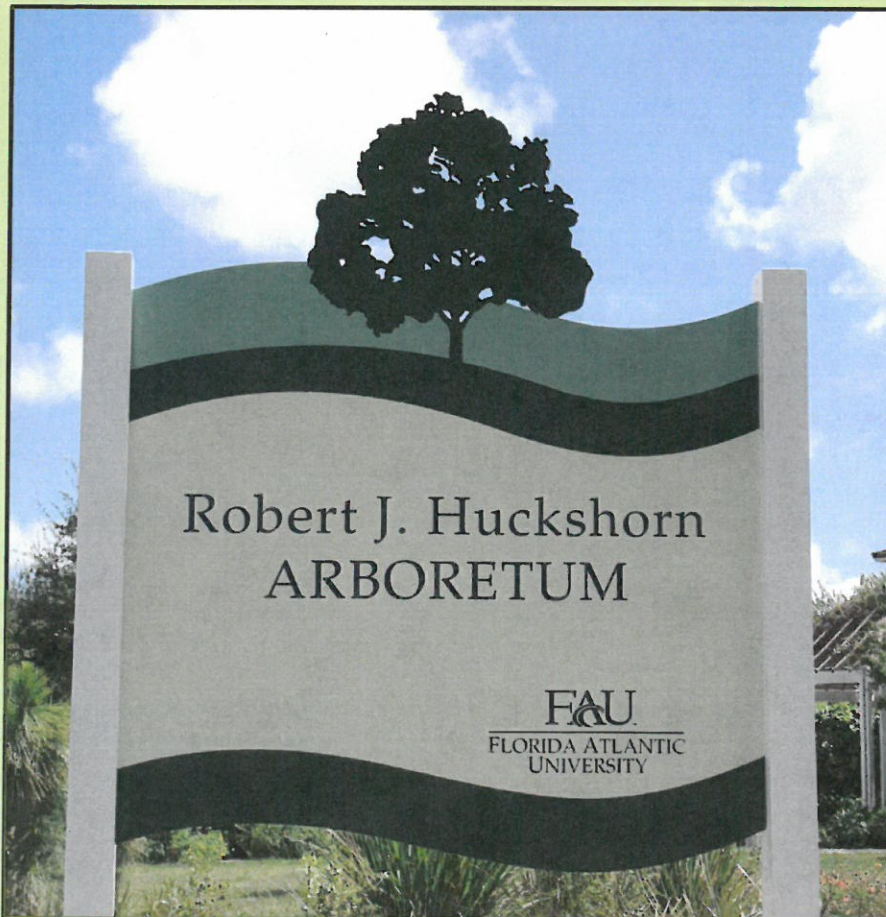
Supporting Documentation: The History of the Robert J. Huckshorn Arboretum

Presented by: Dr. Gary W. Perry, Provost and VP, Academic Affairs

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The History of the Robert J. Huckshorn Arboretum

Prepared on March 31, 2015

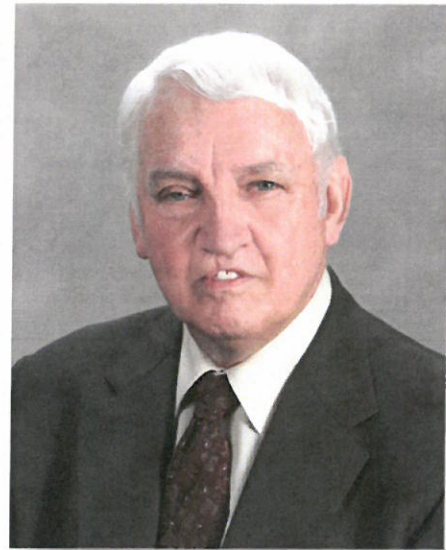


The History of the Robert J. Huckshorn Arboretum

Prepared on March 31, 2015
by the Florida Center for Environmental Studies

I. Why an Arboretum?

Dr. Robert J. Huckshorn, after playing a variety of key roles at Florida Atlantic University, is Vice President Emeritus of Florida Atlantic University. In 2002 shortly before retiring after 38 years at FAU, the University wanted to give Dr. Huckshorn a parting gift that would permanently link his name to the school either in the form of a scholarship fund or endowed chair, but neither seemed right. Dr. Huckshorn wanted to be remembered with something that would enhance the campus environment while providing educational opportunities for students, faculty, staff and visitors. He finally realized that he would like for the University to build and maintain an arboretum on the Jupiter campus, this site being his last home at FAU for the eleven years when he presided over the development of the John D.



MacArthur Campus. A few weeks later at his retirement party, then-President Catanese announced plans to establish the Robert J. Huckshorn Arboretum on the Jupiter campus. Since then, the Arboretum has become a highly valued feature of the Jupiter campus and is a peaceful place where students, faculty, staff and members of the greater community can enjoy nature and learn about some of the plants in our native ecosystems of Florida.

"I have always found that an arboretum provides a calm and tranquil place for students, faculty, staff and townspeople to visit and to momentarily escape from the bustle of everyday life. The arboretum will become a part of the unique Greenway that is a central part of the Abacoa concept. As such, it will serve as a teaching and research resource, expanding the educational mission of the MacArthur Campus. And that will make a lasting contribution to the campus and to the community."

- Dr. Robert J. Huckshorn

II. Developing the Robert J. Huckshorn Arboretum

A. Timeline for the Development of the Arboretum

2002	FAU President Catanese announces plans to establish the Robert J. Huckshorn Arboretum at the McArthur Campus in Jupiter at Dr. Huckshorn's retirement party.
2003	Initial design for Arboretum created
2004	August: Alana Edwards joins the Jupiter campus to oversee the creation of and development of the Arboretum. Cotleur & Hearing and Alana collaborate to create the landscape design.
2005	April: Butterfly garden is planted (Phase 1) Chastain Gazebo dedicated at Earth Day Event FPL's Right Tree, Right Place exhibit is added to the Arboretum.
2006	1st Arbor Day Celebration, Dedication of FPL's Right Tree, Right Place
2007	Tropical Hardwood Hammock is planted (Phase 2)
2008	Mixed Hardwood Swamp is planted (Phase 3) Oak/Cabbage palm flatwood is planted (Phase 4)
2009	Local Eagle Scout projects: kiosks and rope paths
2010	First year of Tree Campus USA certification
2011	Second year of Tree Campus USA certification
2012	Third year of Tree Campus USA certification
2013	Cabbage Palms for Cabbage Palm Oak Hammock Fourth year of Tree Campus USA certification
2014	Fifth year of Tree Campus USA certification
2015	10th Year celebrating Arbor Day

B. The Chastain Gazebo

In 2004, the Chastain Foundation contributed \$30,000 for the construction of the Gazebo (Figure 1) and further development of the Arboretum. On April 22, 2005, the Chastain Gazebo was dedicated as the centerpiece of the Arboretum during an Earth Day celebration.



Figure 1. The Chastain Gazebo in early 2005.

C. The Role of the Florida Center for Environmental Studies

In 2004, the Florida Center for Environmental Sciences was interested in obtaining office space on the Jupiter campus for their Education and Training Coordinator, Alana Edwards. Due to her expertise in native plants and Florida ecosystems, the campus requested that in exchange for an office, she would serve as project manager and take the lead on the development of the Arboretum. The process started in August of 2004 when Alana first moved to the Jupiter campus and began to research the necessary elements for her vision of the Arboretum.

Although a plan was being created, further development was not going to be possible without significant funding from local partners, thus beginning the search for outside support.

D. Developing the Design

In the fall of 2004, Alana contacted Cotleur & Hearing, a local landscape architect, and shared her vision in which the arboretum would be a continuation of the Abacoa greenways and reflect natural areas found in Florida, specifically in Palm Beach County. After this meeting, Cotleur & Hearing created the landscape design (Figure 2). The habitats in the design include the Tropical Hardwood Hammock, Mixed Hardwood Swamp, Pine Flatwoods, and the Cabbage Palm Oak Hammock. A butterfly garden was also included as part of the design.



Figure 2. The initial landscape design for the Arboretum created by Cotleur & Hearing in 2004.

Cotleur & Hearing developed a plant palette that had a list of plants to be included in the Arboretum. With many changes and revisions, Alana and Cotleur & Hearing finally created the final design in early 2005.

E. FPL's Right Tree, Right Place

While searching for external funding, Alana came across a grant opportunity from Florida Power and Light (FPL). While she applied for the grant, it was not awarded to FAU. However, FPL contacted her to discuss the possibility of installing a "Right Tree, Right Place" demonstration project. After consideration, FAU decided to accept the partnership and in the

Spring of 2005, the Right Tree, Right Place demonstration project was installed and FAU also received a small grant in the amount of \$5,000, which was later used for the development of other areas. They also donated and installed all of the trees surrounding the demonstration project. The demonstration project area in the arboretum includes specific trees that can be placed under power lines. It also includes an example of a tree (live oak) that should not be planted under power lines. Signage and flyers are available for the public.



Figure 3. The signage just under the Right Tree, Right Place demonstration project.

[Why Right Tree, Right Place?](#)

FPL's Right Tree, Right Place project teaches the community how selecting the Right Tree and planting it in the Right Place, can help reduce power outages and flickers as well as save taxpayers' money. Because FPL operates more than 45,000 miles of overhead power lines surrounded by approximately seven million trees, each year FPL trims trees along thousands of miles of power lines throughout the state. FPL's preventive maintenance plan calls for clearing main power lines every three years and neighborhood lines every six years on average; the cost of which is coming out of taxpayers' pockets.



Figure 4. Dr. Huckshorn, along with Jupiter Mayor Karen Golonka, help students plant the "right" trees.

The Right Tree, Right Place project was dedicated on April 28, 2006, the campus's first celebration of National Arbor Day. Guests of honor at the ceremony included BOT member Bob Stillely, Town of Jupiter Mayor Karen Golonka and FPL Vice President Geisha Williams, along with Dr. Bob Huckshorn and his wife Carolyn. At the event, several native trees were planted with the help of students from the Jupiter Environmental and Field Studies Academy.

Our relationship with FPL has continued through the quarterly donation of mulch for use throughout the Arboretum.

F. Implementation Phases

Because of her expertise with native plants, Alana's vision for the Arboretum was to emulate native Florida ecosystems through the careful selection of key species of trees, shrubs, and herbs. These species would be identified with signage so that students, staff, faculty, and the community could learn about the plants encountered in a native Florida ecosystem. The first two phases of the Arboretum were the Butterfly Garden in April 2005, designed to attract butterflies and birds, and the Right Tree, Right Place demonstration project in 2005. Subsequent phases included the Tropical Hardwood Hammock in 2007 (Figure 5), a unique and diverse forest characterized by a closed canopy of temperate and tropical hardwood trees and home to epiphytes such as bromeliads and orchids.



Figure 5. Tropical Hardwood Hammock

The Mixed Hardwood Swamp, planted in 2008, is a wetland predominantly inhabited with flood



Figure 6. A local Girl Scout troop helps plant the native grasses in the Pine Flatwoods area.

tolerant trees. A canopy of pines among flat topography, found to be the most extensive type of terrestrial ecosystem in Florida; the Pine Flatwoods area in the Arboretum was developed in 2009 (Figure 6). Lastly, the Cabbage Palm Oak Hammock, composed of cabbage palms on low slopes, was begun in 2008 and finished with the help of FAU MacArthur Student Government in March 2013.

Two
to



Figure 7. One of the two informational kiosks.

G. Eagle Scout Projects

local Boy Scout troops contacted Alana in 2009 ask if they could use the Arboretum as a site for Eagle Scout projects. The projects that followed were the installation of kiosks and roped paths. Alana had previously thought that kiosks (Figure 7) at both entrances of the Arboretum would provide visitors with information about the history of the arboretum, the ecosystems and

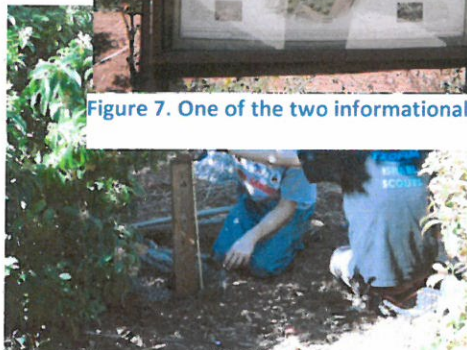


Figure 8. Boy Scouts installing the posted for the walkways.

upcoming events. The other project was to create borders with rope for the mulched pathways throughout the Arboretum (Figure 8). Both Eagle Scout projects were completed in 2009.

III. Education and Outreach

A. Volunteers and Service Learning

CES has been fortunate to have developed a relationship with Dr. William O'Brien, Associate Professor of Environmental Studies from the Harriet L. Wilkes Honors College. He requires that all his students complete 1 hour of service each semester in the Arboretum (Figure 9). To prepare them for this opportunity, Alana provides a 10 minute presentation at the beginning of semester with a PowerPoint



Figure 9. Student volunteers in the arboretum

overview of the Arboretum history and the tasks that they may be asked to complete. This has been in invaluable partnership for both the campus and the students who participate. Other volunteers include students from the Enviro Club, the Book Loan program, and other University students who need community service hours and various Scout troops. To date, more than 500 students have completed in excess of 1,000 hours of service learning. One of the projects last year was a Coontie plant rescue from Riviera Beach, in which plants were relocated to the Arboretum with the help of student volunteers (Figure 10).



Figure 10. Honors College students help with Riviera Beach Coontie rescue.

B. State and National Designations

i. Tree Campus USA

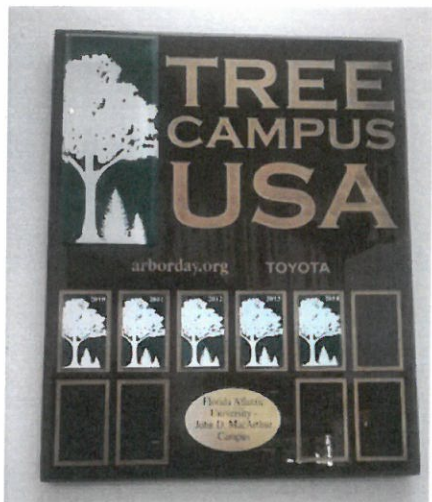


Figure 11. We have now received the Tree Campus USA Designation 5 years in a row!

The Tree Campus USA® program helps colleges and universities around the country establish and sustain healthy community forests. We applied for certification as a Tree Campus USA in 2010, and received our first year designation in January 2011. We recently received certification for the fifth year in a row in February 2015 (Figure 11). Every year we must go through a recertification process by fulfilling 5 standards. These include: 1. *Having a Campus Tree Advisory Committee*; 2. *Having a Campus Tree Care Plan*. Our plan was first developed in 2010 and is updated each year based on recommendations from the prior year. Part of this standard requests that universities conduct an inventory of all trees on campus. We are currently in the process of

implementing this inventory with the help of student interns using i-Tree, a program developed by the USDA Forest Service to assist with these inventories; 3. *Reporting our dedicated annual expenditures* which include: amount spent on contracted care, volume of volunteer time from students, campus tree management costs, etc.; 4. *Holding an Arbor Day event each year* and providing documentation about the event; and 5. *Hosting at least one service learning project on campus each year* and providing a summary and photos of the project.

ii. Other Certifications

FAU has applied for and received certifications from 3 state and national organizations. These are the Florida Federation of Garden Clubs, the North American Butterfly Association, and the National Wildlife Federation (Figure 12).

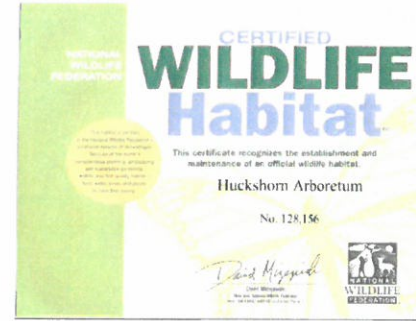
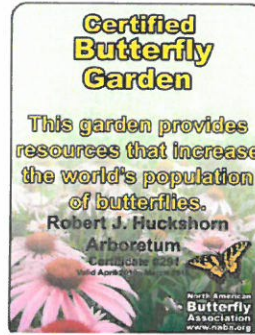


Figure 12. Certifications from Florida Federation of Garden Clubs, the North American Butterfly Association, and the National Wildlife Federation.



Figure 13. Celebrating our first year as a Tree Campus USA.

C. Arbor Day Celebrations

We have held 9 Arbor Day celebrations to date. These take place on the last Friday of April (on National Arbor rather than Florida's designated Arbor Day which is held in January). Each year our celebration has had a different theme with corresponding components. We coordinated the event with the Arboretum Committee. This year, on April 24, we will celebrate our 10th Annual event! (Figure 14). Previous events and flyers can be found on our [website](#).

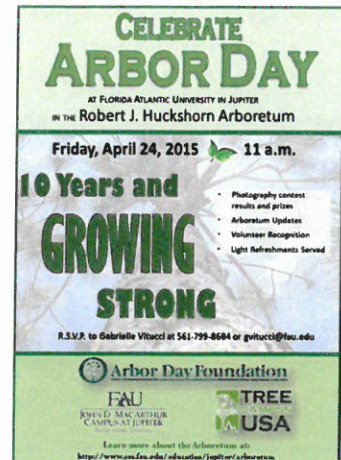


Figure 14. Flyer for our 2015 Arbor Day Celebration

C. Arboretum Audio Tour

On Arbor Day 2014, a podcast for the Arboretum was unveiled, allowing visitors to follow a self-guided tour. To access the podcast, visitors can either click the [link](#) on the website or scan the QR code at the kiosk. The tour provides a history of the arboretum, with interesting facts and details about the ecosystems and the Right Tree, Right Place demonstration project.

D. Supporting the Arboretum

There are many ways that faculty, staff and students from FAU or the community can support the Arboretum. Trees can be adopted that have a plaque placed in front with a personal message, along with the common and scientific name (Figure 15). Benches can also be purchased and these also have a plaque to honor or memorialize friends and family. Several donors, such as the family of Terry Dodge, contributed major funding and named an entire area of the Arboretum. Single donations can be made through the [FAU Foundation](#), and currently numerous faculty and staff members contribute annually to the Arboretum through the Owl's Nest Faculty Staff Campaign.

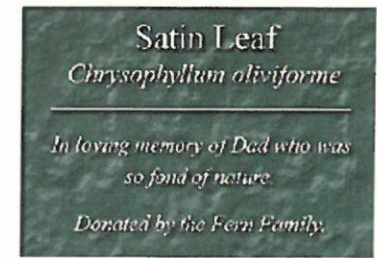


Figure 15. Sample plaque to be placed in front of tree.



Florida Atlantic University
 John D. MacArthur Campus
 5353 Parkside Drive
 Jupiter, Florida 33458
 561-799-8500

BUILDING LEGEND

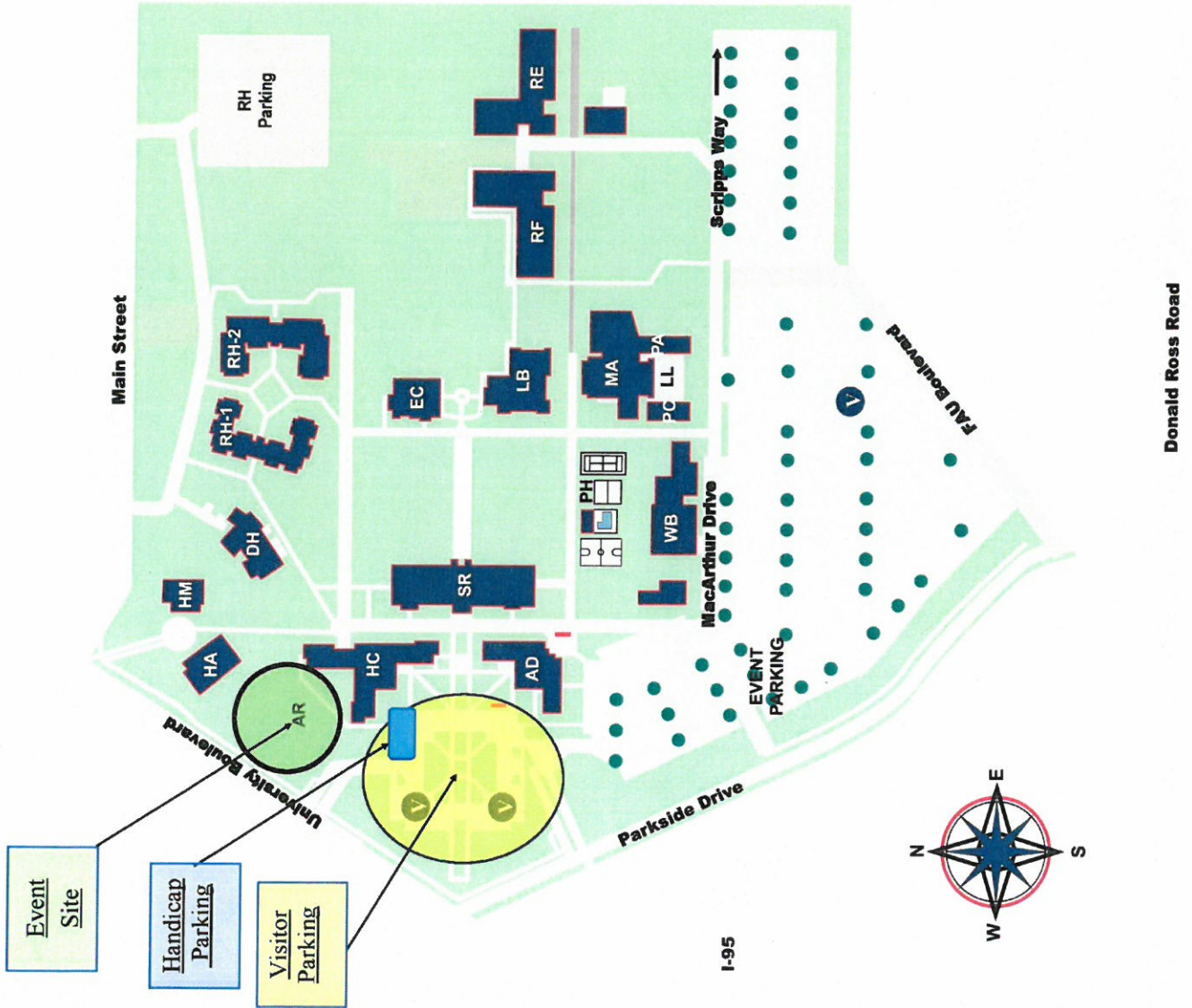
- AD Administration/Classroom
- AR Huckshorn Arboretum
- DH Dining Hall Commons
- EC Education and Classroom
- HA Hibel Fine Arts
- HC Wilkes Honors College
- HM Hibel Museum
- LB Library
- LL Elinor Bernon Rosenthal Lifelong Learning Complex
- MA Maltz Center for Education
- PA Perloff Administration
- PC Perloff Classroom
- PH Pool House/Recreation Area
- RE Research Expansion
- RF Research Facility
- RH Residence Halls 1 & 2
- SR Student Resources/Classrooms
- WB Wilkes Psychology
- V Visitor Parking
- Campus Directory

DRIVING DIRECTIONS

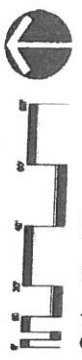
From I-95: take exit 83 (Donald Ross Road) east to Parkside Drive. Turn North on Parkside Drive and turn right into parking area.

From Florida Turnpike headed South: take exit 116 (Indiantown Road) east to I-95 South. From I-95 exit 83 (Donald Ross Road) east to Parkside Drive. Turn North on Parkside Drive and turn right into parking area.

From Florida Turnpike headed North: take exit 109 (PGA Blvd) east to Central Blvd. North. Turn West on Donald Ross Road. Turn North onto Parkside Drive and turn right into parking area.



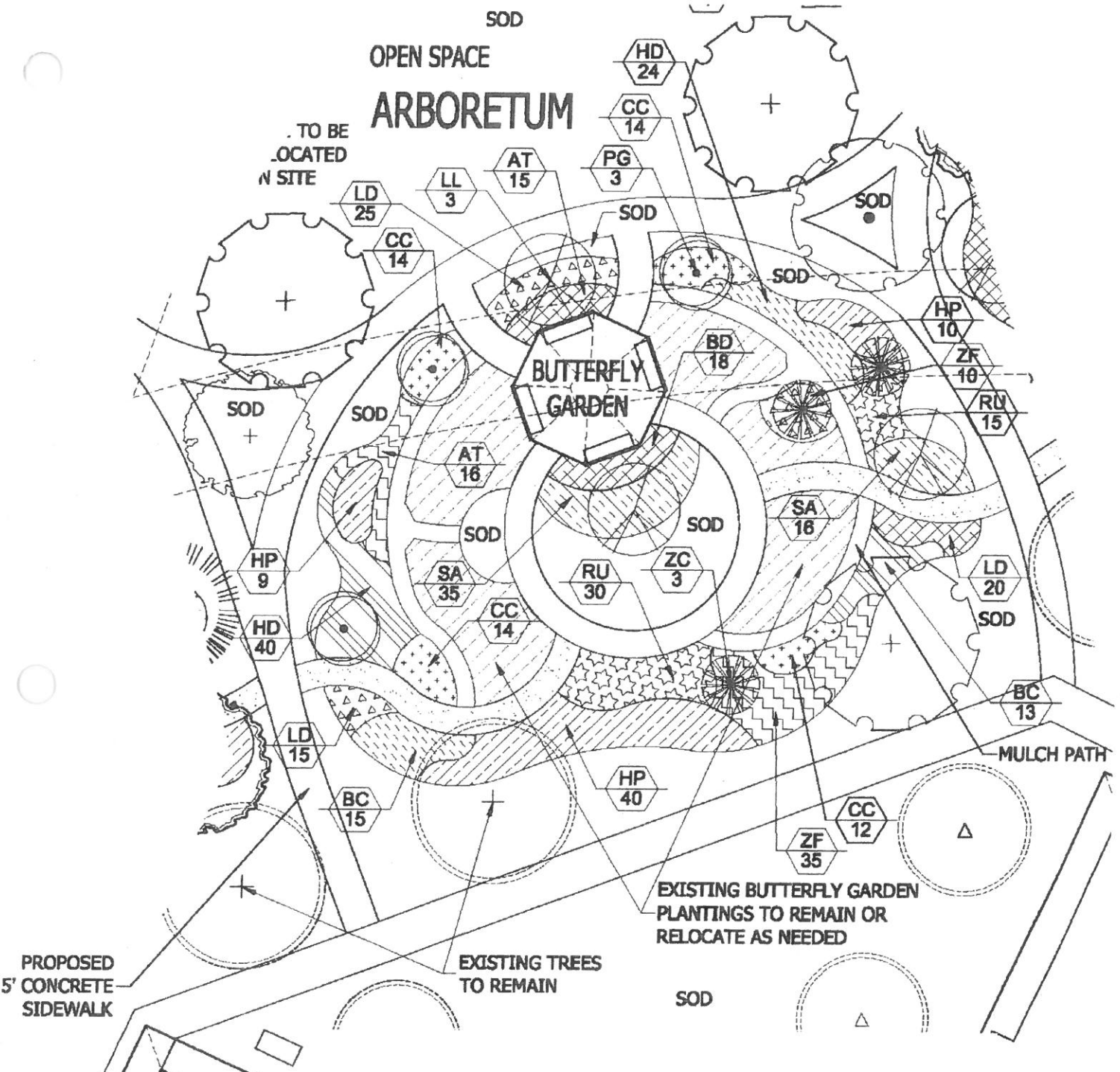
Conceptual Planting Plan



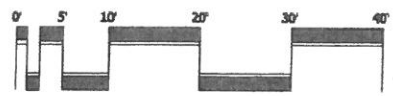
Scale: 1" = 20'

North





Butterfly Garden Conceptual Planting Plan



Scale: 1" = 10'



North

FAU - JUPITER CAMPUS ARBORETUM PLANT PALLETE

<i>SYM</i>	<i>BOTANICAL NAME</i>	<i>COMMON NAME</i>
TROPICAL HARDWOOD HAMMOCK		
BS*	BURSERA SIMARUBA	GUMBO LIMBO
BF	BORRICHIA FRUTESCENS	SEA OXEYE DAISY
CD*	COCOLUBA DIVERSIFOLIA	PIGEON PLUM
CES*	CONOCARPUS ERECTUS VAR. SERICEUS	SILVER BUTTOWOOD
CO*	CHRYSOPHYLLUM OLIVIFORME	SATIN LEAF
CS*	CORDIA SEBESTENA	ORANGE GEIGER TREE
CU1*	COCOLUBA UVIFERA	SEAGRAPE
EF	EUGENIA FOETIDA	SPANISH STOPPER
FL	FLAVERIA LINEARIS	YELLOWTOP
HD	HELIANTHUS DEBILIS	DUNE SUNFLOWER
IP	IPOMOEA PES-CAPRAE	RAILROAD VINE
JC*	CAPPARIS CYNOPHALLOPHORA	JAMAICA CAPER
LN*	LANTANA INVOLUCRATA	NATIVE WHITE LANTANA
MG*	RAPANEA PUNCTATA	MYRSINE
MF*	MYRCIANTHES FRAGRANS	SIMPSON'S STOPPER
SE	SOLIDAGO SEMPERVIRENS	SEASIDE GOLDENROD
SG*	SIMARUBA GLAUCA	PARADISE TREE
INLAND HARDWOOD HAMMOCK		
CAA*	CALICARPA AMERICANA	BEAUTYBERRY
HP*	HAMELIA PATENS	FIREBUSH
PS	PLUMBAGO SCANDENS	NATIVE PLUMBAGO
PN	PSYCHOTRIA NERVOSA	SHINY LEAF WILD COFFEE
QL*	QUERCUS LAURIFOLIA	LAUREL OAK
SC*	SAMBUCUS CANADENSIS	ELDERBERRY
BUTTERFLY GARDEN		
AT	ASCLEPIAS TUBEROSA	BUTTERFLY WEED
BC	CASSIA BAHAMENSIS	BAHAMA CASSIA
CC	COREOPSIS SPP.	TICKSEED
HP*	HAMELIA PATENS	FIREBUSH
LD*	LANTANA DEPRESSA	PINELAND LANTANA
LL*	LYSILOMA LATISILIQUA	WILD TAMARIND
PG	PITHECELLOBIUM KEYENSE	BLACKBEAD
SA	SALVIA COCCINEA	SCARLET SAGE
ZF*	ZAMIA FLORIDANA	COONTIE
ZC*	ZANTHOXYLUM CORIACEUM	PRICKLY ASH
PINE FLATWOODS		
AA	ARISTIDA SPP.	WIREGRASS
CAA	CALICARPA AMERICANA	BEAUTYBERRY
CF	CHAMAECRISTA FASCICULATA	PARTRIDGE PEA
IG	ILEX GLABRA	GALLBERRY
MC*	MYRICA CERIFERA	WAX MYRTLE
PE1*	PINUS ELLIOTII Densa	SO. FLORIDA SLASH PINE
PE2*	PINUS ELLIOTII Densa	SO. FLORIDA SLASH PINE
RC	RUELLIA CAROLINIENSIS	WILD PETUNIA
RH	RUDBECKIA HIRTA	BLACK-EYED SUSAN
SN	SORGHASTRUM SECUNDUM	LOPSIDED INDIAN GRASS
SP*	SABAL PALMETTO	SABAL PALMETTO
SR*	SERENOA REPENS	SAW PALMETTO
MIXED HARDWOOD SWAMP		
AC*	ACER RUBRUM	RED MAPLE
AG*	ANNONA GLABRA	POND APPLE
CB	CEPHALANTHUS OCCIDENTALIS	BUTTONBUSH
HC*	HYPERICUM CISTIFOLIUM	ST. JOHN'S WART
MAG*	MAGNOLIA GRANDIFLORA	SOUTHERN MAGNOLIA
MAV*	MAGNOLIA VIRGINIANA	SWEET BAY MAGNOLIA
PB*	PERSEA BORBONIA	FLORIDA RED BAY
PP*	PERSEA PALUSTRIS	SWAMP BAY
RL	RHYNCHOSPORA COLORATA	WHITE-TOP SEDGE
TD*	TAXODIUM DISTICHUM	BALD CYPRESS
TF*	TRIPSACUM DACTYLOIDES	FAKAHATCHEE GRASS
CI*	CHRYSOBALANUS ICACO	COCOPLUM
SPB*	SPARTINA BAKERI	SAND CORDGRASS