

City of Venice Ecological Analysis Report

SMH - Laurel Road Hospital

January 29, 2019

Prepared for:

Sarasota County Public Hospital District d/b/a Sarasota Memorial Health Care System

Prepared by:

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Sign-off Sheet

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Prepared by Elizabeth Earolley (signature)

Elizabeth Eardley

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Introduction

1.0 INTRODUCTION

The SMH Laurel Road Hospital project is located within the City of Venice limits, in Sarasota County Florida, as depicted on the **Project Boundary Map**. The project proposes the construction of a new hospital campus and associated features including offices, parking, and a stormwater management system.

2.0 HABITATS

On-site habitats have been classified according to the most recent edition of the Florida Department of Transportation's Florida Land Use Cover and Forms Classification System (FLUCCS) and depicted on the enclosed **Pre-Development FLUCCS Map**. Brief descriptions for the habitats found within the parcels are provided below. Wetland and Other Surface Water limits were field reviewed and verified by the Southwest Florida Water Management District (SWFWMD) under Environmental Resource Permit (ERP) No. 43029067.000.

As demonstrated by the 1974 aerial below, the site has historically been significantly altered, ditched, and drained, with the southeast wetland remaining the only apparent area of native habitat. The extents of identified habitats currently found within the project area are described below.



1974



Habitats

2.1 UPLANDS



FLUCCS 190 - Open Land

All upland habitat (approximately 59 acres) within the project boundary has been characterized by this land use code. These historically farmed lands are dominated by areas of dense Brazilian pepper (*Schinus terebinthifolius*) with scattered clusters of laurel and live oak (*Quercus laurifolia* and *Quercus virginiana*), longleaf pine (*Pinus palustris*), and cabbage palm (*Sabal palmetto*).

2.2 WETLANDS AND OTHER SURFACE WATERS



FLUCCS 530 - Reservoirs

Three historically excavated cattle ponds, totaling approximately 2.72 acres, are located on-site and have been designated as Other Surface Waters (OSWs). These features are dominated by a central deep open water areas with cattail (*Typha latifolia*), Carolina willow (*Salix caroliniana*), and Peruvian primrose willow (*Ludwigia peruviana*) along the bank edges.



FLUCCS 640 - Vegetated Non-Forested Wetlands

Three low quality wetlands (Wetlands A, B, and D) are located within the project boundary and total approximately 3.62 acres. Wetland A is dominated by nuisance/exotic species including cattail and Peruvian primrose willow, Wetland B is dominated by jointed spikerush (*Eleocharis interstincta*), and Wetland D is dominated by creeping primrose willow (*Ludwigia repens*). These systems have been historically altered through ditching and effective drainage of the surrounding landscape.



Wildlife

3.0 WILDLIFE

Review of the Florida Natural Areas Inventory (FNAI) Biodiversity Matrix indicates the following regulated wildlife species as having a potential for on-site habitat utilization: wood stork (*Mycteria americana*), Florida burrowing owl (*Athene cunicularia floridana*), eastern indigo snake (*Drymarchon couperi*), gopher tortoise (*Gopherus polyphemus*), Florida sandhill crane (*Grus canadensis pratensis*), and Sherman's fox squirrel (*Sciurus niger shermani*). Due to historical land alterations, minimal native habitats, and surrounding land uses, the anticipated utilization of on-site habitats by these species is unlikely.

A Stantec ecologist conducted a preliminary listed species survey of this site on December to 19-21, 2017 to determine the potential presence of species listed by the United States Fish and Wildlife Service (FWS) as endangered or threatened, or by the Florida Fish and Wildlife Conservation Commission (FWC) as endangered, threatened, or species of special concern. The site was traversed via pedestrian transects spaced so as to provide thorough visual coverage. During this survey, the ecologist looked for individual specimens, nests, burrows, scat, or any other identifiable signs of listed species. No such evidence was observed. Additional site visits were conducted in 2017 and 2018 and no indications of utilization by listed species were observed.

4.0 REGULATED RESOURCES

4.1 WETLANDS

The modified site plan proposes impacts to approximately 1.63 acres of on-site wetlands which will be mitigated through the restoration of Wetland A. Copies of the Uniform Mitigation Assessment Method (UMAM) data sheets previously approved by SWFWMD under the existing ERP are attached for reference.

4.2 GRAND TREES

Stantec inspected the site for potential grand trees in December 2017. No trees were identified that meet Sarasota County parameters for Grand Tree designation.

5.0 CITY OF VENICE COMPREHENSIVE PLAN CONSISTENCY

Intents of the Open Space Element of the City of Venice's Comprehensive Plan and how they relate to the project have been outlined below.

- Intent OS 1.1 Functional Open Spaces
 - The required minimum 20% open space requirement shall be provided and may include but will not be limited to lakes, wetlands, wetland buffers, landscape buffers, parking lot landscaping, and foundation landscaping.



SMH - LAUREL ROAD HOSPITAL - CITY OF VENICE ECOLOGICAL ANALYSIS REPORT

City of Venice Comprehensive Plan Consistency

- Intent OS 1.2 Conservation Open Spaces
 - Preserved wetland habitats and buffers will be placed under appropriate conservation easements.
 - No threatened or endangered species have been observed on-site
- Intent OS 1.3 Wetlands
 - The on-site wetlands have been historically altered, ditched, and drained and offer little functional value. The 1.63 acres of wetland impacts will be mitigated through on-site wetland enhancement of the remaining wetland system with a preserved upland buffer to be planted with native species. The proposed mitigation plan has been reviewed and approved by SWFWMD staff and the proposed surface water management system has been designed to maintain surface water flow patterns.
 - Wetland boundaries have been reviewed and approved by SWFWMD staff. USACE Permit SAJ-2003-07805 confers that the wetlands and other surface waters proposed to be impacted with this project are not "waters of the US".
- Intent OS 1.4 Native Habitats, Conservations Lands, and Natural Resources
 - As depicted on the attached FLUCCS Map, the wetlands are the only on-site native habitats and due to their historic alteration are not considered to be significant.
 - o The preserved wetland and its buffer have been used to fulfill open space requirements.
 - Preliminary wildlife surveys have not indicated the presence of listed wildlife species. If regulated species are observed to be utilizing the site, coordination with the appropriate regulatory agency will be sought.
 - The project proposes the removal of all non-native, invasive vegetative species including within the preserved wetland area.
 - No unmitigated development is proposed within the 100-year floodplain.
- Intent OS 1.5 Unique Habitats
 - There are no on-site unique habitats.
- Intent OS 1.6 Open Space Corridors
 - The open space areas lying within the existing FPL easement will continue to function as a corridor for potential wildlife movement. The adjacent stormwater pond will provide an open water feature for potential wildlife foraging that has a direct connection to off-site native habitats lying to the south.

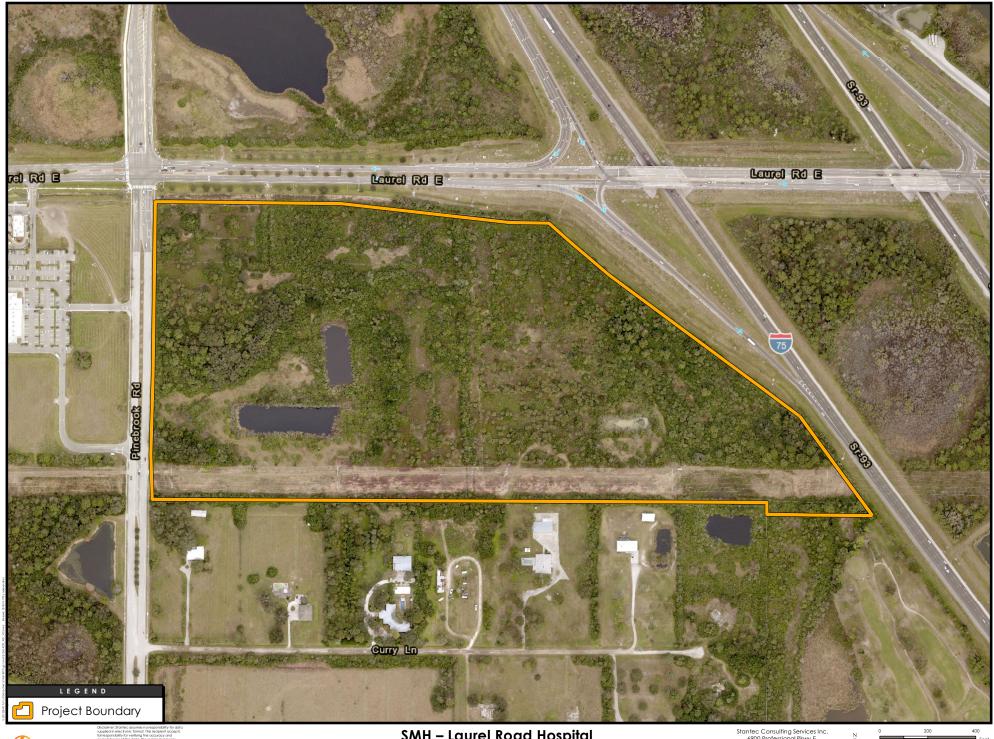


Conclusion

6.0 CONCLUSION

The SMH – Laurel Road Hospital project is anticipated to have negligible ecological impacts. No listed species utilization has been observed and anticipated impacts are low, no net loss of wetland functional value is proposed, and no grand trees have been identified. The proposed project is therefore in compliance with the Intents of the Open Space Element of the City's Comprehensive Plan.



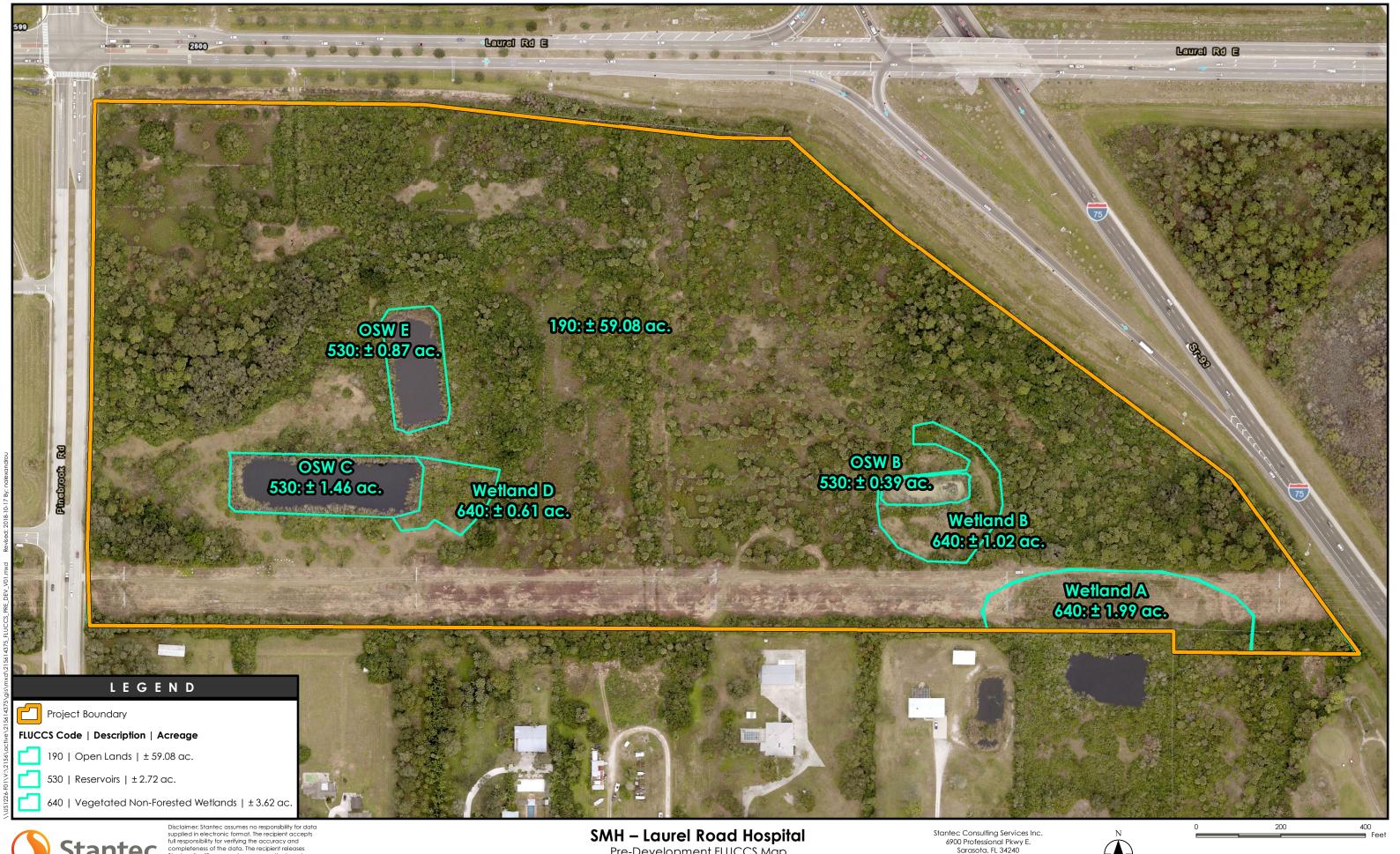




SMH – Laurel Road Hospital Project Boundary Map October 2018

Stantec Consulting Services Inc. 6900 Professional Pkwy E. Sarasota, FL 34240 tel 941,907,6900 fax 941,907,6910







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Pre-Development FLUCCS Map October 2018

Stantec Consulting Services Inc. 6900 Professional Pkwy E. Sarasota, FL 34240 tel 941.907.6900 fax 941.907.6910

PART I – Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name			Application Number	ation Number Assessment Area			ea Name or Number	
Shopping Center at Laurel Road			Unknown		ı	Wetland B	etland B	
FLUCCs code	Furth	er classifica	ation (optional)		Impact or Mitigation Site? Assess		Assessment Area Size	
643					Impa	act	0.40 ac.	
Basin/Watershed Name/Number	Affected Wa	terbody (Clas	SS)	Special Classificati	on (i.e.(DFW, AP, other local/state/federal	designation of importance)	
Southern Coastal		N/A						
Geographic relationship to and hyd	rologic conr	nection with	wetlands, other s	urface water, uplai	nds			
Excavated center portion of Wet	land B(Otl	ner Surface	Water B), surro	ounded by improv	ved pa	asture.		
Assessment area description								
Heavily grazed herbaceous wetland system, severely altered hydrology due to excavation in center of wetland. Encroachment of								
upland vegetation and pasture grasses. Alteration of the hydrology and vegetative communities have significantly reduced the functions and value of functions of this herbaceous wetland system.								
Significant nearby features	-	Uniqueness (considering the relative rarity in relation to the regional landscape.)						
I-75 approximately 500-ft. to easmile to west.	st, Shacket	t Creek app	proximately 1	Not unique, common poor quality system in improved pasture.				
Functions				Mitigation for previous permit/other historic use				
Limited functions for wildlife or water feature in wet season.	water trea	tment. Pote	entially used as	None				
Anticipated Wildlife Utilization Base that are representative of the asses be found)	d on Literati sment area	ure Review and reason	(List of species ably expected to	Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)				
Wading birds, fish, and aquatic r	eptiles and	amphibiar	ns.	Sandhill crane, wood stork, little blue heron, snowy egret, tricolored heron, and white ibis.				
Observed Evidence of Wildlife Utiliz	ation (List s	pecies direc	ctly observed, or o	other signs such as	s track	s, droppings, casings, r	nests, etc.):	
No evidence directly observed during field assessments by BRA ecologists.								
Additional relevant factors:								
Assessment conducted by:				Assessment date(e).		,	
Anne E. Benolkin				22-Apr-05				

Form 62-345.900(1), F.A.C. [effective date]

PART II – Quantification of Assessment Area (impact or mitigation) (See Sections 62-345.500 and .600, F.A.C.)

Cita/Dania at	Name				Τ.	
Site/Project		1 D 1		Application Number		a Name or Number
	Center at Lau	rei Road		Unknown	Wetland B	
Impact or Mi	tigation			Assessment conducted by:	Assessment date	: :
Impact				Anne E. Benolkin	22-Apr-05	
	g Guidance		Optimal (10)	Moderate(7)	Minimal (4)	Not Present (0)
is based or suitable f wetland or	of each indica what would be for the type of surface wate sessed	oe	Condition is optimal and fully supports wetland/surface water functions	Condition is less than	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions
.500(6)(a) L	ocation and L Support	andscape	Without: Surrounded by in site.	nproved pasture, I-75 to eas	t, adjacent to small cattle p	ond, no native habitat on
current 4]	with 0			<i>'</i>	
)Water Enviro a for uplands		Altered hydroperieods due species encroachment.	to adjacent excavated cattle	e pond and agricultural drai	nage, upland plant
current		with				
3		0				
.500(6)(c)	Community s	tructure	No zonation, encroachment age/size distribution, little e	of upland pasture grasses a	and other undesirable wetla	and species, no typical
	egetation and nthic Commun					
w/o pres or current	, ,	with				,
3		0				
	of above scoreds, divide by 2		If preservation as mitigated Preservation adjustment Adjusted mitigation delta	t factor =	For impact assess FL = delta x acres = 0.	
			If mitigation			
Delta	= [with-currer	nt]	If mitigation Time lag (t-factor) =		For mitigation asses	sment areas
	0.22		Diel feeten		RFG = delta/(t-factor x r	isk) =

Form 62-345.900(2), F.A.C. [effective date]

PART I – Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name			Application Number	er		Assessment Area Name of	or Number	
Shopping Center at Laurel Road	1		Unknown			Wetland D		
FLUCCs code		Further classificat	tion (optional)		Impac	ct or Mitigation Site?	Assessment Area Size	
643					Impa	act	0.61 ac.	
Basin/Watershed Name/Number	Affect	ted Waterbody (Clas	ss)	Special Classification (i.e.OFW, AP, other local/state/federal designation of importance)				
Southern Coastal	Class	s III		N/A				
Geographic relationship to and hyd	rologi	c connection with	wetlands, other su	urface water, uplan	nds			
Directly adjacent to Other Surface	ce W	ater C, which dra	ains off-site to th	ne west. Surround	led by	y improved pasture on	all other sides.	
Assessment area description								
Heavily grazed herbaceous system. Severely altered hydrology due to proximity to Other Surface Water C. Encroachment of upland								
vegetation, pasture grasses and other undesirable species. Alteration of hydrology and vegetative communities have significantly reduced the functions and value of functions of this herbaceous wetland system.								
	OI Iui	ictions of this ne	rbaceous wettan		nside	ring the relative rarity in i	relation to the regional	
Significant nearby features				landscape.)	loido.	my the relative rainy	rolation to the regional	
I-75 directly east, Shacket Creek approximately 1 mile west of site. Not unique, common poor quality wetland in improved							in improved pasture.	
Functions		,		Mitigation for prev	vious	permit/other historic use	1	
Limited function, potentially use wildlife.	d as	water feature in r	ainy season for	None				
Anticipated Wildlife Utilization Base that are representative of the asses						by Listed Species (List sp C), type of use, and inter		
be found)	Silien	I died and reasons	ably expected to	assessment area)		J), type of use, and inter	lisity of use of the	
Wading birds; waterfowl; small a	and n	nedium sized ma	mmals; fish;	Sandhill crane,	wood	stork, little blue heror	n, snowy egret,	
and, aquatic reptiles and amphib				tricolored heron, and white ibis.				
Observed Evidence of Wildlife Utiliz	ation	(List species direc	ctly observed, or o	ther signs such as	track	s, droppings, casings, n	nests, etc.):	
No evidence directly observed di	ıring	field assessment	s by BRA ecolo	gists.				
Additional relevant factors:						· · · · · · · · · · · · · · · · · · ·		
altered natural vegetative compos	Part of historically larger wetland system, excavation of Other Surface Waters C and E have severely reduced hydrology which has litered natural vegetative composition and expected zonation patterns. Additionally, intensive cattle grazing on-site has limited ability of natural vegetation to attain structural potential.							
Assessment conducted by:				Assessment date((s):			
Anne E. Benolkin				22-Apr-05				

Form 62-345.900(1), F.A.C. [effective date]

G:/SRQ/3792/027/W70/WL-D Part I

PART II – Quantification of Assessment Area (impact or mitigation) (See Sections 62-345.500 and .600, F.A.C.)

			(See Section	s 62-345.500 and .600, i	F.A.C.)			
Site/Project	Name			Application Number	Ţ.	Assessment Area	a Name or Numb	er
Shopping C	Center at Laur	rel Road		Unknown	ŀ	Wetland D		
Impact or Mi	tigation			Assessment conducted by: Assessment date:				
Impact				Anne E. Benolkin		22-Apr-05		
	g Guidance		Optimal (10)	Moderate(7)	Min	imal (4)	Not Prese	nt (0)
is based on suitable f wetland or	of each indica n what would b or the type of surface water sessed	е	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface waterfunctions	wetland/s	vel of support of surface water nctions	Condition is ins provide wetlan water fund	d/surface
.500(6)(a) L	ocation and La Support	andscape	Surrounded by improved penefit to wildlife.	pasture, adjacent to Other S	urface Wate	r C, minimal fu	unction as wetla	nd or
w/o pres or								
current		with						
4		0						
.500(6)(b)Water Environment (n/a for uplands)			Severely altered hydrology	, remnant wetland from lar	ger system,	no zonation.		
w/o pres or								
current	. г	with						
3		0						
.500(6)(c)	Community st		Little to no structural habit	tat, dominated by pasture gr	rasses, minir	mal recruitment		
	egetation and/onthic Commun							
w/o pres or								
current	_	with						
3		0						
			160					
	of above score		If preservation as mitiga	ation,	Fo	or impact assess	ment areas	
	ds, divide by 20))	Preservation adjustmen	nt factor =				
current or w/o pres	_	with	Adjusted mitigation delt		FL = de	elta x acres = 0.2	2013	
0.33		0	Adjusted Hilligation dell	u -				
			If mitigation				-	İ

For mitigation assessment areas

RFG = delta/(t-factor x risk) =

Form 62-345.900(2), F.A.C. [effective date]

Time lag (t-factor) =

Risk factor =

Delta = [with-current]

-0.33

PART I – Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name			Application Number	er Assessment Area Name or Number			or Number		
Shopping Center at Laurel Road			Unknown			Mitigation Area No.	2 (Wetland A)		
FLUCCs code		Further classifica	ation (optional)		Impac	et or Mitigation Site?	Assessment Area Size		
641					Mitig	gation - Enhancement	1.99 ac.		
Basin/Watershed Name/Number	Affect	ed Waterbody (Clas	s)	Special Classification (i.e.OFW, AP, other local/state/federal designation of importance)					
Southern Coastal Class III				N/A					
Geographic relationship to and hyd	rologi	c connection with	wetlands, other su	urface water, uplan	ıds				
Near Wetland B, otherwise surro	ounde	ed by improved p	asture to north,	low density resid	entia	to south.	8		
Assessment area description	,								
Herbaceous wetland system with historical alterations of vegetation and hydrology (e.g., debris piles in center of wetland, wetland									
fringe vegetated by Brazilian pepper, encroachment of pasture grasses, berm built along southeastern corner of wetland, concrete structure hydrologically connecting both halves of wetland currently blocked by sand and vegetation).									
	mg b	our naives of wet	nanu currentiy b			getation). ing the relative rarity in r	relation to the regional		
Significant nearby features				landscape.)			on the state of th		
I-75 with 200-feet, Wetland A lo	cated	l under F&PL po	wer lines.	Not Unique					
Functions				Mitigation for prev	vious p	permit/other historic use			
Reduced functions and value of treatment due to historical alterat		ions for wildlife	or water	None					
Anticipated Wildlife Utilization Base that are representative of the asses be found)				Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)					
Wading birds, waterfowl, small a aquatic reptiles and amphibians.	and m	nedium sized mar	nmals, fish and	Sandhill crane, wood stork, little blue heron, snowy egret, tricolored heron, and white ibis.					
Observed Evidence of Wildlife Utiliz	ation	(List species direc	tly observed, or o	ther signs such as	track	s, droppings, casings, n	ests, etc.):		
Wood stork, wood ducks, snowy egrets, Florida ducks, and cattle egrets have been directly observed utilizing Wetland A for foraging.									
Additional relevant factors:									
Two brush piles in center of wetland, the southern portion of the wetland extends offsite to the south and has been severed by an arthern berm along the southern parcel boundary. A concrete conveyance structure is present at this location, but is currently blocked by soil and vegetation.									
Assessment conducted by:				Assessment date(s):				
Anne E. Benolkin		22-Apr-05							

Form 62-345.900(1), F.A.C. [effective date]

G:/SRQ/3792/027/W70/Mit 2-WL A Part I

PART II - Quantification of Assessment Area (impact or mitigation) (See Sections 62-345.500 and .600, F.A.C.)

Cita/Project	Nama			IA E E A				
Site/Project	Name Center at Lau	ral Dood		Application Number		Assessment Area Name or Number Mitigation Area No. 2 (Wetland A)		
Impact or Mi		irei Road		Unknown				
	-	ont		Assessment conducted by: Assessment date:				
Mitigation	- Enhanceme			Anne E. Benolkin		22-Apr-05		
	g Guidance		Optimal (10)	Moderate(7)	Mi	Minimal (4) Not Prese		
is based or suitable f wetland or	of each indicate what would lead to the type of a surface water sessed	be	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface waterfunctions	wetland	evel of support of Vsurface water unctions	Condition is insufficient to provide wetland/surface water functions	
.500(6)(a) L	ocation and L Support	_andscape	Without: Surrounded by it	mproved pasture, I-75.				
w/o pres or current		with 3	With: I-75 and mitigation	area will surround Wetland	Α.			
)Water Enviro a for uplands		Without: Attended by impo	oundment of southern wetla	and edge by	y berm.		
w/o pres or current		with 6	With: Connection to Mitig	ation Area No. 1, more natu	ural and con	ntrolled hydrope	riod.	
.500(6)(c)	Community s	structure	Without: Little/no zonation recruitment.	a, encroachment of pasture g	grasses aty	pical age/size di	stribution and	
	egetation and othic Commun							
w/o pres or current			With: Removal and control establishment of desirable	of nuisance and exotic plan native wetland species.	nt species a	and debris piles,	allow natural	
	of above scor ds, divide by 2		If preservation as mitigated Preservation adjustmented Adjusted mitigation delta	t factor = .7		For impact assess	ment areas	
Delta	= [with-currer	nt]	If mitigation Time lag (t-factor) = 1.0	691 (1.07)	,,)	or mitigation asses		
	0.2		Risk factor = 1.5		RFG =	e delta/(t-factor x r	isk) = 0.124	
Form 62-345.	, ,	. [effective	date]			((.12) × (1.99)	

G:/SRQ/3792/027/W70/Mit 2-WL A Part II

PART II - Quantification of Assessment Area (impact or mitigation) (See Sections 62-345.500 and .600, F.A.C.)

Site/Project N	lame			Application Number	Assessment Are	Assessment Area Name or Number			
,	SMH -	Laurel Ro	ad Hospital			Wetland A			
Impact or Miti	igation		<u> </u>	Assessment conducted by:	te:				
·		Mitigation	on	Elizabeth Eardley	,	10/17/2018			
Scoring G			Optimal (10)	Moderate(7)	Minimal (4)	Not Present (0)			
The scorin indicator is ba would be suit type of wetlan water as	ased on what table for the and or surface	e	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions			
	a) Locatior cape Supp		With - 25' buffer t approximately 250' from	Without - Surrounded o receive supplemental plantii closest parking area. Future a wildlife ut	ng of native species. Wetlan adjacent pond may provide a	d edge will be located dditional opportunities for			
ŭ		•							
.500(6)(b)W (n/a f w/o pres or current	Vater Envir for uplands		With - W north, and east. Connecti uplands has been significa that currently direct runoff t collected from a portion of	at - Attended by impoundmen etland A historically received s on to Wetland B has been sevently reduced by the FPL trans to the west. The proposed sto the property through a stormway we impact on the system's hyd	surface water from Wetland I vered, and surface water con smission line, roadway, and s rmwater management syster vater pond for treatment and drology, restoring it to more h	and uplands to the west, veyance from surrounding swales throughout property m will redirect surface water then into Wetland A. This is			
3		8							
Vegetation and/or With - Proposed vegetation				ion, encroachment of pasture re maintenance activities will r ntal planting within the wetland the reestablishment of	educe current dominance by d and buffer will increase spe	nuisance/exotic species to			
w/o pres or				the reestablishinelit of	unuesnable species.				
current		with							
3		8							
	-								
Score = sum of above scores/30 (if uplands, divide by 20) current pr w/o pres with			If preservation as mitigation, Preservation adjustment factor = Adjusted mitigation delta = For impact assessment areas FL = delta x acres =						
0.30		0.73	.,						
			If mitigation						
Delta =	= [with-curr	ent]	If mitigation Time lag (t-factor)	= 1.07	For mitigation ass				
0.43			Risk factor =	1.25	RFG = delta/(t-factor risk) =	x 0.64			