

**Braden River Shores**  
**Manatee County Preliminary Site Plan**

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**Environmental Report**

May 2017

Prepared for:

***D.R. HORTON, INC.***  
14055 Riveredge Drive, Suite 150  
Tampa, Florida 33637

Prepared by:

***E Co Consultants, Inc.***  
1523 8<sup>th</sup> Avenue West  
Suite B  
Palmetto, FL 34221  
941.722.0901 fax 941.722.4931

## **INTRODUCTION**

The following report addresses Section 706 of the Manatee County Land Development Code (LDC) pertaining to wildlife, wetlands, and upland habitats on lands proposed for Preliminary Site Plan (PSP) approval. The Applicant is proposing to construct a  $\pm$ 140-acre residential development along the Braden River. The project is located on the north and south side of 26<sup>th</sup> Avenue East and 2.0 miles east of US 301 in Sections 32 & 33, Township 34 South, and Sections 4 & 5, Township 35 South, Range 18 East, Manatee County (**Figure 1**). The parcels associated with this site plan include PID's 1538400001, 1538310002, 1538300003, and 1528300005, and 1418600001, the latter parcel is adjacent to the Braden River. The center of the proposed project is geographically located at Latitude: 27.475961°N and Longitude: -82.515641°W.

The project area is currently improved pastures, with exotic hardwoods, mangrove swamp, saltwater marsh, and excavated agricultural ditches and ponds. In the proposed condition, all wetlands will be preserved. Impacts to surface waters will be limited to upland excavated agricultural ponds and ditches totaling approximately **0.75 acres**. Due to the de minimis nature of the proposed impacts, no mitigation is proposed.

## **METHODOLOGY**

The following methods were employed to assess the referenced parcel:

- Field inspection of the site for evidence of wetlands, protected species, or other sensitive environmental features.
- Recent and historical aerial photograph interpretation of the subject property.
- Review of the National Wetlands Inventory (NWI) maps.
- Review of the NRCS Web Soil Survey for Manatee County, Florida and documentation of the soil characteristics on site.
- Research of Manatee County, and various State and Federal databases regarding protected wildlife species.

## **SUMMARY**

The project area is comprised mostly of improved pasture dominated by bahiagrass (*Paspalum notatum*), with a few scattered agricultural ponds, exotic hardwood uplands and wetlands, as well as mangrove swamp and saltwater marsh which are associated with the Braden River. State and Federal jurisdictional wetlands and surface waters are located within the project boundary. The jurisdictional limits of onsite wetlands and surface waters were established by E Co Consultants, Inc. (E Co) via aerial interpretation and desktop delineation. A formal wetland determination by the Southwest Florida Water Management District (SWFWMD) has not yet been requested.

There are no wetland impacts as a result of the proposed project, however there will be approximately **0.75 acres** of surface water impacts to agricultural ditches and ponds. Refer to the FLUCCS Map (**Figure 2**) for the wetland and surface water locations within the project boundaries.

## **EXISTING CONDITIONS**

The existing conditions of the project and **within 500 feet** of the project area including upland and wetland plant communities were mapped in accordance with Florida Land Use Cover Forms and Classification System (FLUCCS, Florida Department of Transportation 1999). An aerial photograph and FLUCCS land use map of the site pre-development is provided as **Figure 2** and for post development please refer to **the Engineering Plan** provided as **Attachment A**.

Improved pastures and cattle ponds, exotic hardwood uplands and wetlands, as well as salt marsh including mangrove swamp are found within the project boundary. The existing structures are primarily agricultural with associated fences and drainage features. Topographic features within the project area are provided in **Figure 3** USGS Topographic Map.

### **Upland Descriptions**

Approximately 90.62% (127.29 acres) of the Braden River Shores project area is considered upland habitat (**Figure 2**) consisting of improved pasture and Brazilian pepper.

#### **Improved Pastures (FLUCCS 211)**

Approximately 122.72 acres of the uplands within the project site are characterized as improved pasture. Vegetative species within the community type include bahiagrass (*Paspalum notatum*) scattered occurrences of dog fennel (*Eupatorium capillifolium*), and poorman's pepper (*Lepidium virginicum*).

#### **Brazilian Pepper (FLUCCS 422)**

Approximately 4.57 acres of Brazilian peppertree (*Schinus terebinthifolius*) is located throughout the project area. This FLUCCS community is covered 95% by the nuisance, exotic species. These infested areas are degraded and provide minimal habitat value for wildlife nesting and roosting.

### **Wetland and Other Surface Water Descriptions**

There are three (3) wetlands, three (3) cattle ponds and two (2) upland cut surface waters jurisdictional to the ACOE and SWFWMD. The total project acreage for onsite jurisdictional wetlands is 11.70 acres and 1.48 acres of agricultural ditches and ponds. **Figure 2** shows the aerial interpreted wetland limits and proposed surface waters. These lines have not been flagged or surveyed as of the date of this report.

Approximately 8.33% (11.70 acres) of the Braden River Shores property are considered wetlands and 1.05% (1.48 acres) are surface waters including agricultural upland cut ditches and ponds (**Figure 2**). Wetlands and other surface waters found within the project boundary are summarized below.

#### **Mangrove Swamp (FLUCCS 612)**

This forested wetland habitat is located in the northern portion of the project and is on the Braden River.

- Vegetation: The forested canopy includes red (*Rhizophora mangle*) and black mangrove (*Avicennia germinans*).
- Impacts: There are no wetland impacts proposed to the **8.93 acres** of mangrove swamps.
- Hydrology: This forested wetland is hydrologically connected and located within the Braden River.
- Wildlife: Greatly suited for usage by regionally common wading birds as well as common amphibians, reptiles and fish.

### **Exotic Wetland Hardwood (FLUCCS 619)**

These FLUCCS habitats onsite are of low quality wetland and typically surrounded by improved pasture.

- Vegetation: These shrub wetlands are dominated by nuisance/exotic plant species including Brazilian pepper and primrose willow. There are few Carolina willow (*Salix caroliniana*), and Virginia chain fern (*Woodwardia virginica*) along the fringe.
- Impacts: There are no impacts proposed to the **2.10 acres** of disturbed wetlands. However, these areas will be enhanced and the nuisance, exotic species will be removed.
- Hydrology: These hardwoods are isolated and or are adjacent to the river.
- Wildlife: Limited suitability for usage by regionally common wading birds as well as common amphibians, reptiles and fish.

### **Saltwater Marsh (FLUCCS 642)**

This saltwater/brackish wetland habitat is located in the northern portion of the project and is on the Braden River.

- Vegetation: The herbaceous system includes cordgrass (*Spartina alterniflora*), needle rush (*Juncus roemerianus*), sawgrass (*Cladium mariscoides*), saltwort (*Batis maritima*), and saltgrass (*Distichlis spicata*).
- Impacts: There are no wetland impacts proposed to the **0.67 acres** of salt marsh.
- Hydrology: This herbaceous wetland is hydrologically connected and located within the Braden River.
- Wildlife: Greatly suited for usage by regionally common wading birds as well as common amphibians, reptiles and fish.

### **Streams and Waterways (FLUCCS 510) – Upland Cut Ditches**

- Vegetation: These areas typically have similar vegetative components including scattered primrose willow (*Ludwigia peruviana*) and torpedo grass (*Paspalum notatum*).
- Impacts: These two (2) upland cut agricultural ditches will be filled and **±0.30 acres** of impacts are proposed.
- Hydrology: These ditches are upland cut and the result of historical agricultural activities.
- Wildlife: Limited suitability for usage by regionally common wading birds as well as common amphibians, reptiles and fish.

### **Reservoir <10 acres (FLUCCS 534) – Agricultural Ponds**

- Vegetation: These areas are used as cattle ponds, are void of vegetation, and typically surrounded by Brazilian pepper.
- Impacts: These ponds have historically been used for agriculture (i.e., cattle grazing). These upland cut agricultural ponds will be filled and **±0.45 acres** of impacts are proposed.
- Hydrology: These ponds are upland cut and the result of historical agricultural activities.
- Wildlife: Limited suitability for usage by regionally common wading birds as well as common amphibians, reptiles and fish.

### **Off-site Wetland and Upland Habitats**

#### **North**

The property is bordered on the north by the Braden River (FLUCCS 540) and its associated mangrove swamp (FLUCCS 612).

#### **East**

The property is bordered on the east by low and medium-density residential (FLUCCS 110 and 120), hardwood mixed-coniferous (FLUCCS 434), and saltwater marsh (FLUCCS 642).

#### **South**

Along the southern boundary of the project area is low-density residential (FLUCCS 110), nurseries and vineyards (FLUCCS 240), and an agricultural pond (FLUCCS 534). The project parcels are bisected to the north and south by 26<sup>th</sup> Avenue East (FLUCCS 814).

## **West**

The project is bordered to the west by the high-density residential development (FLUCCS 130) known as Sugar Creek Country Club Travel Trailer Park, low-density residential (FLUCCS 110), hardwood mixed-coniferous (FLUCCS 434), and exotic wetland hardwood (FLUCCS 619).

## **Wetland Buffer and Conservation Easement**

A conservation easement dedicated to Manatee County will be placed over all on-site wetlands as represented by “Preserve Area” on the ZNS Engineering plan (**Attachment A**). In addition, a fifty-foot (50-ft) wetland buffer will be maintained along the Braden River and the wetlands directly connected to it (**Attachment A**). The wetlands will be preserved prior to construction of the residential development. Conservation area signs will be placed adjacent to wetland buffers/conservation easements indicating that the area is a “Conservation Area”. Should the buffer area require removal of exotics prior to the development phase the typical Wetland Buffer Enhancement Plan will be utilized, which is provided as **Attachment B**.

## **Upland/Open Lands Restoration Plan**

Maintenance activities are planned for “Open Space” within the project boundaries, because the majority of the existing vegetation in these areas is covered by Brazilian pepper (FLUCCS 422). An exotic species management plan will be required to ensure that nuisance, exotic species do not reestablish in the future; refer to the typical management plan described below.

### *Exotic Species Management Plan*

The plan will provide for the removal of nuisance and exotic plant species, as identified by the Florida Exotic Pest Plant Council's List of Invasive Plant Species as Category I or Category II nuisance exotic plants. Any Category I or II plants that currently exist or become re-established within common areas and open spaces of the residential development will be targeted for removal. Manual methods will be required in preserve areas, and can include hand removal and herbicide treatments where appropriate. Annual inspections and maintenance to remove any nuisance/exotic plant species that may reestablish will be also be required.

## **SOILS**

According to the current Natural Resources Conservation Service (NRCS) web soil survey <http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx> for Manatee County, there are four (4) soil types found within the project boundary (**Figure 4**). Hydric and non-hydric soil designations are based on the Hydric Soils of Florida Handbook, published March 2000. They are as follows:

- 16 - Delray complex (hydric)
- 20 - EauGallie fine sand, 0 to 2% slopes (non-hydric)
- 21 - Estero muck (hydric)
- 34 - Okeelanta muck, tidal (hydric)

41 - Pits and Dumps

**FEDERALLY THREATENED & ENDANGERED SPECIES**

E Co environmental scientists conducted several visits to the subject site, these visits revealed the presence of no state or federally listed species nesting or denning within the habitats on this project site. In general, the project area supports low quality, agricultural lands. The onsite wetlands and “preserve areas” that have the highest potential for wildlife utilization will be avoided and preserved in perpetuity.

E Co environmental scientists reviewed online listed species databases to identify species known to exist within the project's geographic area, including the Florida Native Areas Inventory (FNAI) Biodiversity Matrix and the Florida Fish and Wildlife Conservation Commission (FWC) Eagle Nest Locator.

**FNAI Biodiversity Matrix**

The FNAI Biodiversity Matrix was consulted to determine documented, likely, and/or potentially occurring rare plants, animals, and natural communities in the vicinity of the project area. The most “likely” species to occur in the vicinity of the project as listed by FNAI (Matrix Units 24683 and 24684 ) are the wood stork (*Mycteria americana*), bald eagle, and West Indian Manatee. **Please refer to Attachment C** for a complete list of likely and potential FNAI species by matrix units within the project area. It is expected that these species, habitats and nesting areas will not be affected by the residential development. There is suitable foraging habitat within the on-site wetlands within the subject parcel adjacent to the Braden River, however no impacts are proposed within or adjacent to the project area. The **0.75 acres** of unavoidable impacts to upland excavated ditches and ponds are not anticipated to significantly reduce foraging habitat within the project area.

**Bald Eagle (*Haliaeetus leucocephalus*)**

A search of the Florida Fish and Wildlife Conservation Commission (FWC) bald eagle database was completed to determine whether any known bald eagle nests occur within the vicinity of the subject parcel. The database revealed that no known bald eagle nest is located within 660 feet of the parcel, the closest eagle nest MN006 is located approximately 1.20 miles northeast of the property in Manatee County. However, during the site assessment bald eagles and a nest was observed directly adjacent to the project boundary. Following consultation with FWC, the nest was identified as MN965; but it has not yet been entered into the bald eagle database. On April 20, 2017, the FWC approved bald eagle rule revisions which will eliminate the need for applicants to obtain both a state and federal permit for activities that take or disturb eagles or their nests.

Because an active bald eagle nest is located within 330 feet of the project area, a U.S. Fish & Wildlife Service (USFWS) consultation will occur, and permits acquired, if necessary. During construction, the federal guidelines for activities near nesting bald eagles will be followed. Please refer to **Attachment A** for the location of the bald eagle nest and the appropriate eagle nest buffer required by the management guidelines.

### **Wood Stork and Wading Bird Rookery**

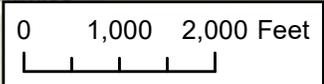
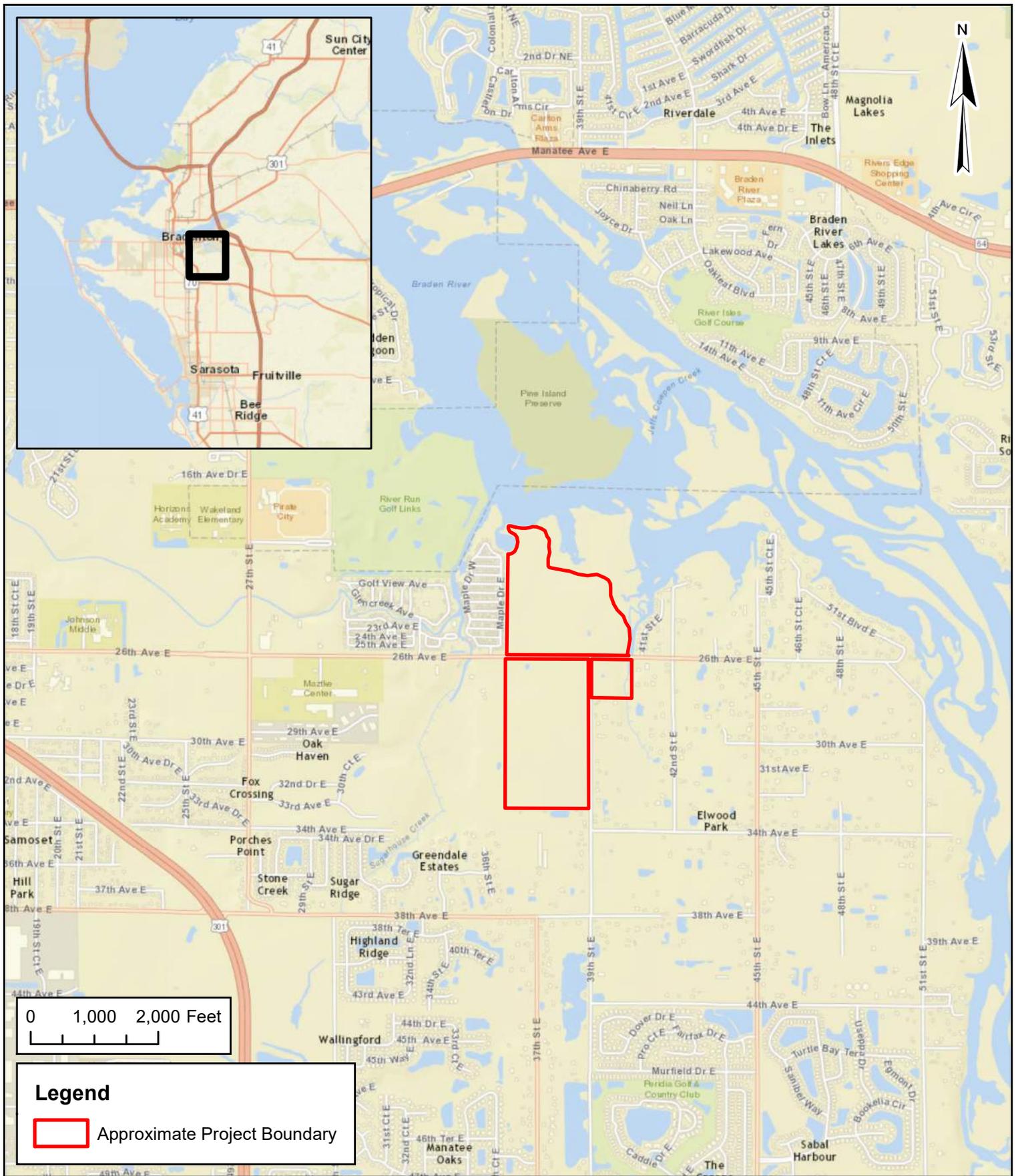
E Co reviewed the USFWS wood stork active colony and Core Foraging Area (CFA) data; it was determined that there is one (1) wood stork rookery whose CFAs overlap the project area, the Ayers Point-Dot Dash rookery (Atlas No. 61513), which is located 1.25 miles north at the mouth of the Braden River. The closest wading bird colony (Atlas No. 615113) is due north approximately 1.25 miles from the project boundary on the Braden River. There are no wetlands proposed for impact; furthermore, there is no evidence of breeding or foraging occurring within the project area. Though wood storks may use the waterway adjacent to the project as foraging grounds, the project will not alter these areas.

### **West Indian Manatee (*Trichechus manatus latirostris*)**

The West Indian Manatee is classified as endangered by the USFWS, and receives further protection under the U.S. Marine Mammal Protection Act of 1972 and the Manatee Sanctuary Act of 1978. A search of the USFWS critical habitat database was completed to determine whether the project area is located within a manatee protection zone. A portion of the project along the Braden River lies within “Designated Critical Habitat” for the manatee (**Attachment D**). The waterways adjacent to the project area are accessible to manatees so there is a moderate potential for manatees to occur within or adjacent to the project area; however, there is no proposed work within or adjacent to these areas. Therefore, since the project does not directly or indirectly affect the manatee, no further consultation is required. If however, impacts are proposed the USFWS will be consulted, and the “*Standard Manatee Conditions for In-Water Work*” shall be utilized to ensure protection of the West Indian Manatee during construction of the project.

## FIGURES

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**Legend**

Approximate Project Boundary

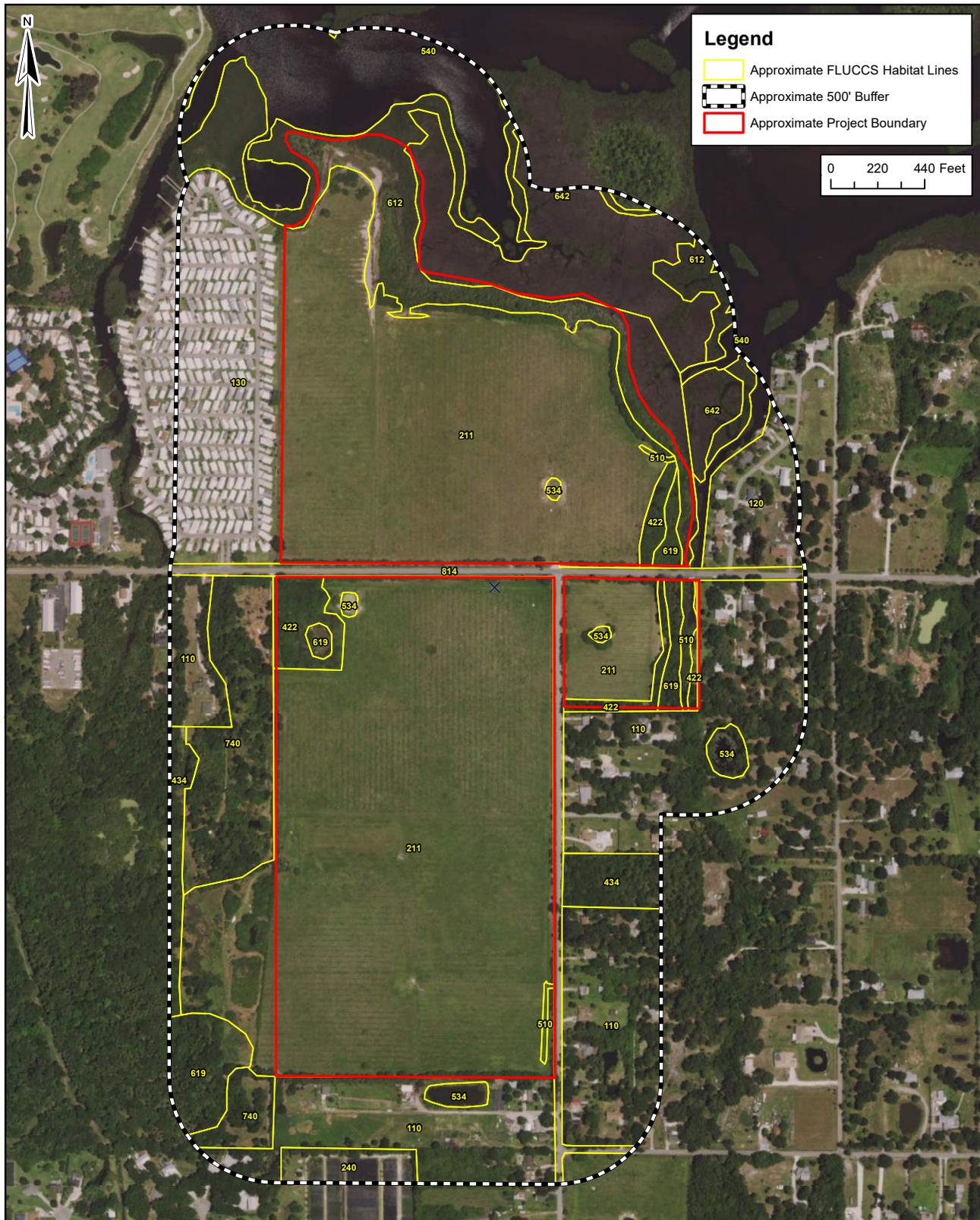
**Client:** DR Horton

**Project:** Braden River Shores

**Title:** Location Map

**ECo**  
 CONSULTANTS INCORPORATED  
 1523 8th Avenue West, Suite B  
 Palmetto, FL 34221  
 Telephone: 941.722.0901  
 Fax: 941.722.4931  
 Website: [www.ecoconsultants.net](http://www.ecoconsultants.net)

TRS: 35S18E4,5; 34S18E32,33  
 Scale: 1" = 2,000'  
 Date Drawn: 5/9/2017  
 Drawn by: MJ  
 Source: ESRI Street Maps  
 Figure 1



FLUCCS Code	Description
110	Residential low density
120	Residential medium density
130	Residential high density
240	Nurseries and Vineyards
434	Coniferous – Hardwood Mixed
540	Bays and Estuaries
740	Disturbed
814	Roads and Highways

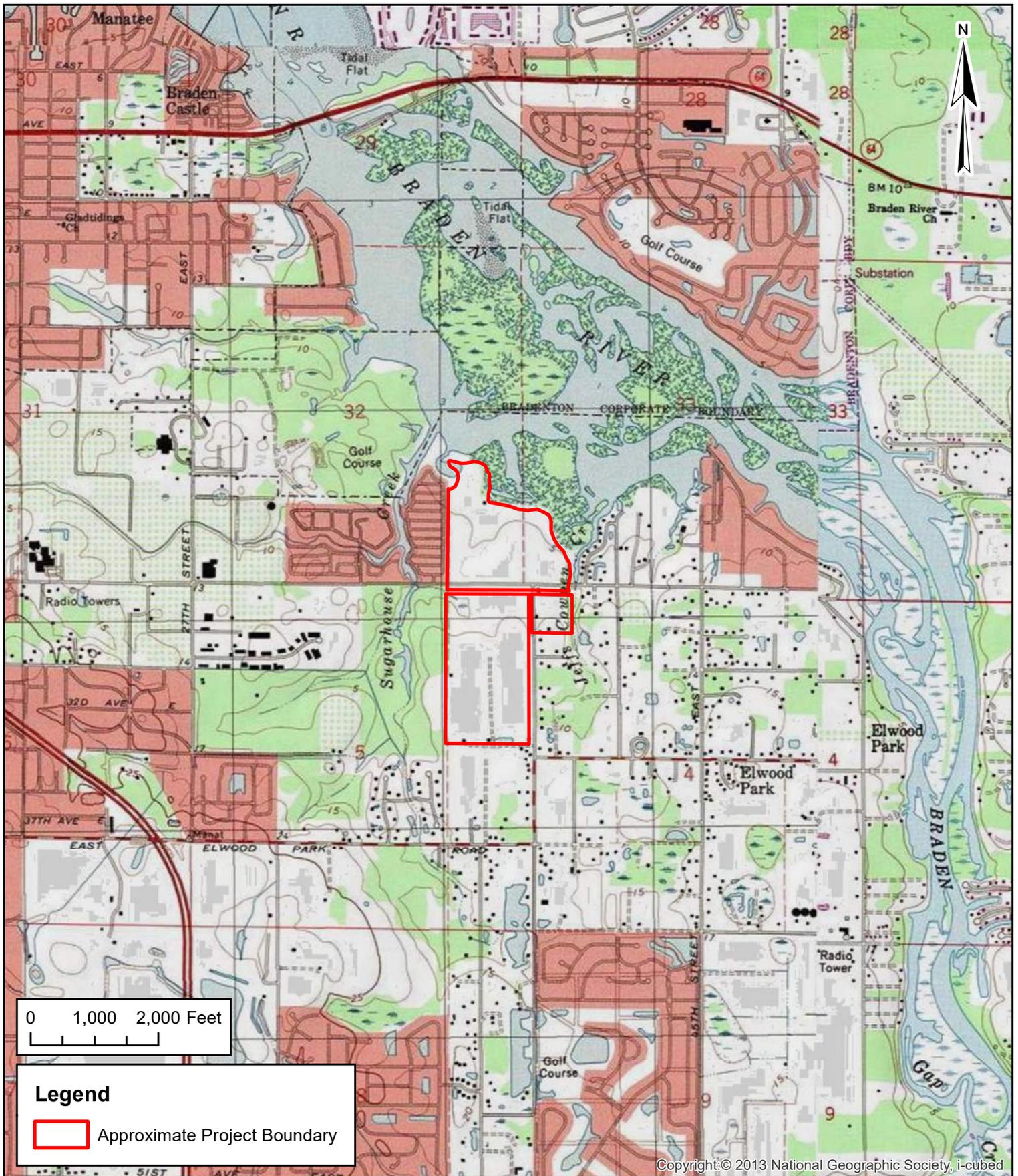
FLUCCS Code	Description	± Acreage
211	Improved Pastures	122.72
422	Brazilian Pepper	4.57
510	Streams and Waterways	1.03
534	Reservoirs less than 10 acres	0.45
612	Mangrove Swamps	8.93
619	Exotic Wetland Hardwoods	2.10
642	Saltwater Marsh	0.67
<b>Project Acreage</b>		<b>140.47</b>

Client: DR Horton  
 Project: Braden River Shores  
 Title: County FLUCCS Habitat Map



1523 8th Avenue West, Suite B  
 Palmetto, FL 34221  
 Telephone: 941.722.0901  
 Fax: 941.722.4931  
 Website: www.ecoconsultants.net

TRS: 35S18E4,5; 34S18E32,33  
 Scale: 1" = 350'  
 Date Drawn: 5/9/2017  
 Drawn by: MJ  
 Source: ESRI World Imagery  
 Figure 2



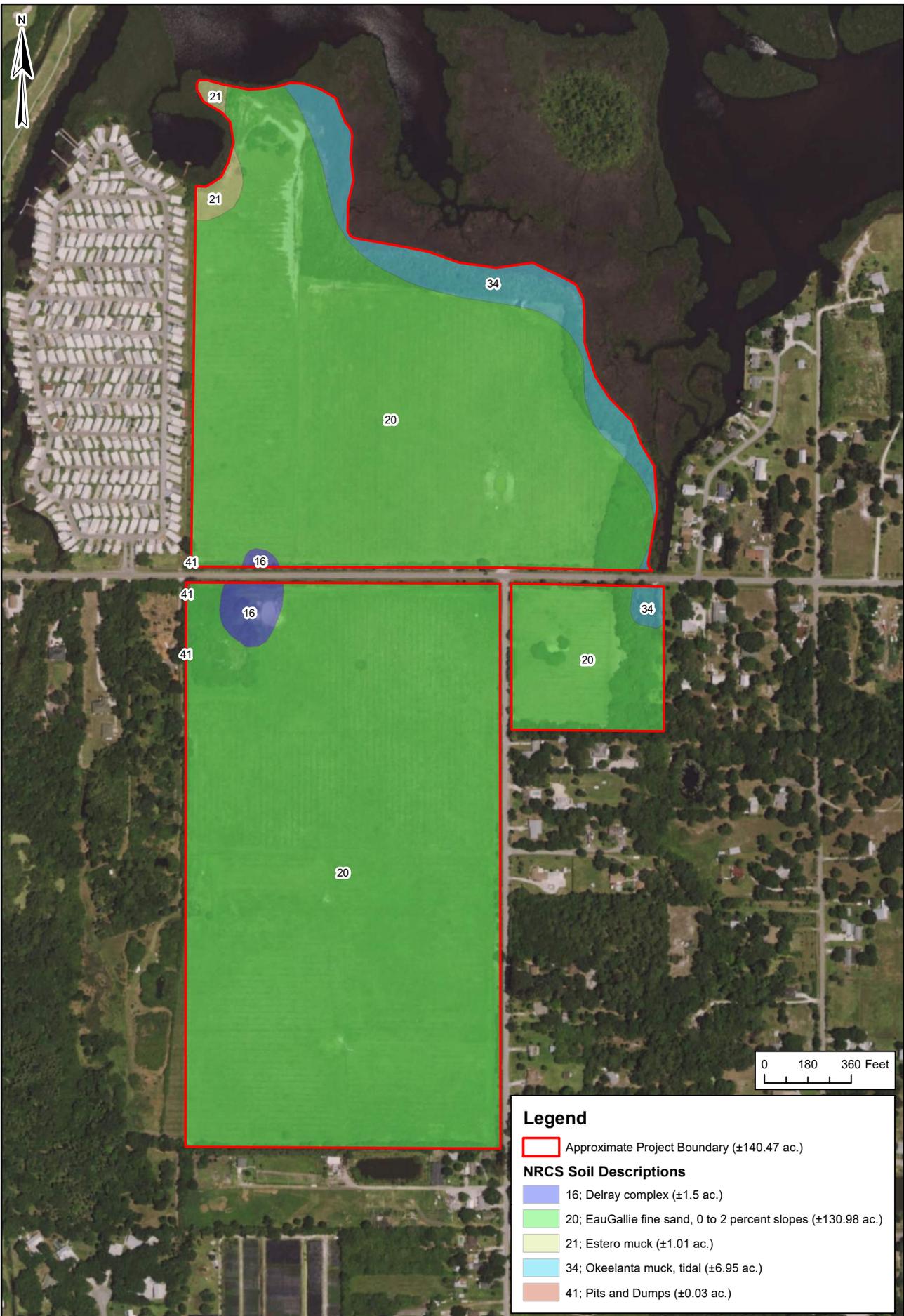
**Client:** DR Horton

**Project:** Braden River Shores

**Title:** USGS Quad Map

**ECo**  
 CONSULTANTS INCORPORATED  
 1523 8th Avenue West, Suite B  
 Palmetto, FL 34221  
 Telephone: 941.722.0901  
 Fax: 941.722.4931  
 Website: [www.ecoconsultants.net](http://www.ecoconsultants.net)

TRS: 35S18E4,5; 34S18E32,33  
 Scale: 1" = 2,000'  
 Date Drawn: 5/9/2017  
 Drawn by: MJ  
 Source: USGS Topo Maps  
 Figure 3



**Legend**

- Approximate Project Boundary (±140.47 ac.)

**NRCS Soil Descriptions**

- 16; Delray complex (±1.5 ac.)
- 20; EauGallie fine sand, 0 to 2 percent slopes (±130.98 ac.)
- 21; Estero muck (±1.01 ac.)
- 34; Okeelanta muck, tidal (±6.95 ac.)
- 41; Pits and Dumps (±0.03 ac.)

Client: DR Horton  
 Project: Braden River Shores  
 Title: NRCS Soils Map



1523 8th Avenue West, Suite B  
 Palmetto, FL 34221  
 Telephone: 941.722.0901  
 Fax: 941.722.4931  
 Website: www.ecoconsultants.net

TRS: 35S18E4.5; 34S18E32.33  
 Scale: 1" = 360'  
 Date Drawn: 5/9/2017  
 Drawn by: MJ  
 Source: ESRI World Imagery, NRCS  
 Figure 4

# **ATTACHMENT A**

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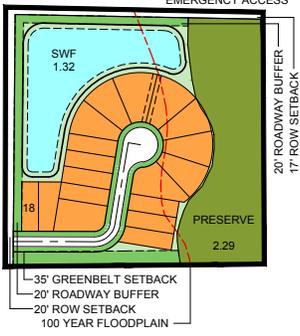
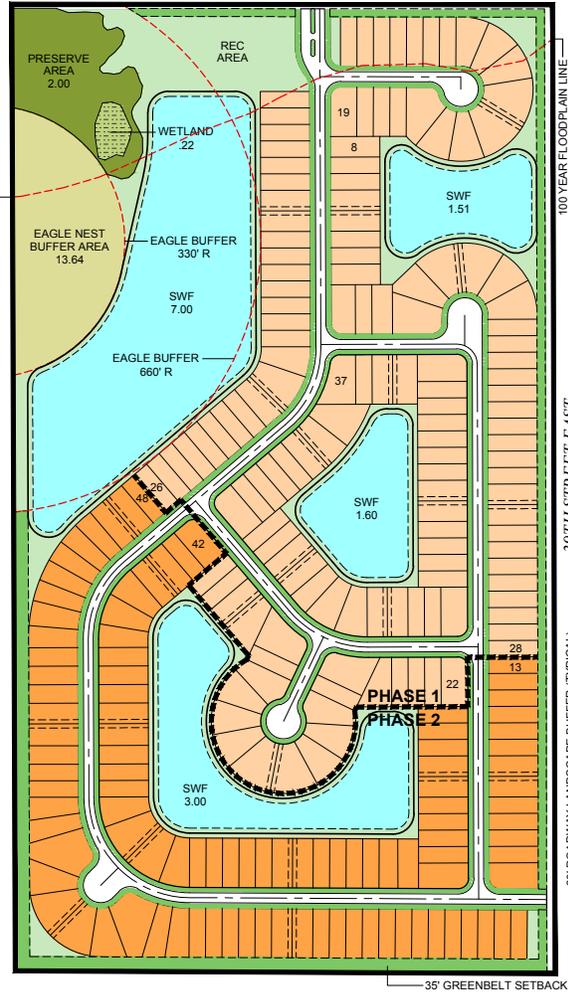
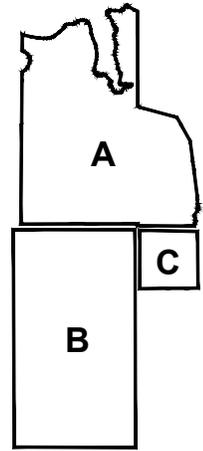
## **ENGINEERING SITE PLAN**

# BRADEN RIVER



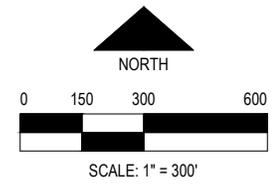
### DEVELOPMENT DATA

DESCRIPTION	A	B	C	TOTAL
Area of Parcel:	60.50± Acres	70.00± Acres	9.60± Acres	140.10± Acres
Number of Lots (40' x 120'):		243	18	261
Number of Lots (50' x 120'):	154			154
Total Number of Lots:				415
Gross Density:	2.55 DU/GA	3.49 DU/GA	1.66 DU/GA	2.97 DU/GA
Area of ROW Setback:	.53 Acres	1.38 Acres	.54 Acres	2.45 Acres
Area of Landscape Buffers:	1.44 Acres	3.35 Acres	.75 Acres	5.54 Acres
Area of Floodway Setback:	3.27 Acres	NA	NA	3.27 Acres
Area of Upland Preserve:	2.11 Acres	2.54 Acres	2.29 Acres	7.07 Acres
Area of Eagle Nest Buffer:	NA	13.64 Acres	NA	13.64 Acres
Area of Floodway:	11± Acres	NA	NA	21.89 Acres
Total Developable Area:	47.42 Acres	54.98 Acres	6.64 Acres	109.04 Acres
Area of Proposed ROW:	7.53 Acres	8.23 Acres	.71 Acres	15.50 Acres
Area of Proposed Lots:	23.57 Acres	32.37 Acres	2.60 Acres	55.32 Acres
Area of SWF:	7.23 Acres	13.11 Acres	1.32 Acres	21.66 Acres
SWF % of Dev. Area:	15%	24%	20%	20%
Total Area of Open Space:	28.87 Acres	28.02 Acres	5.75 Acres	66.83 Acres
% of Parcel in Open Space:	48%	40%	60%	48%



### UNIT SUMMARY

LOT SIZE	PHASE 1	PHASE 2	TOTAL
40' X 120'	140	121	261
50' X 120'	68	86	154
TOTAL	208	207	415



- ### NOTES
- The Developable Area is the Parcel Area less; ROW Setbacks, Floodway Setback, Upland Preserve, Eagle Nest Setback and Wetland/Wetland Buffer, if applicable.
  - The Eagle Nest Buffer Setback is based on a 660' radius from the nest. The Preserve/Wetland Area is included in the Eagle Nest Buffer area.
  - Open Space includes, if applicable; Roadway Buffers, Greenbelt Setbacks, Floodway, Floodway Setback, Upland Preserve, Eagle Nest Setback and Stormwater Facilities (SWF).

## BRADEN RIVER SHORES

SECTIONS 32 & 33, TOWNSHIP 34 SOUTH, RANGE 18 EAST  
 SECTIONS 4 & 5, TOWNSHIP 35 SOUTH, RANGE 18 EAST  
 MANATEE COUNTY, FLORIDA

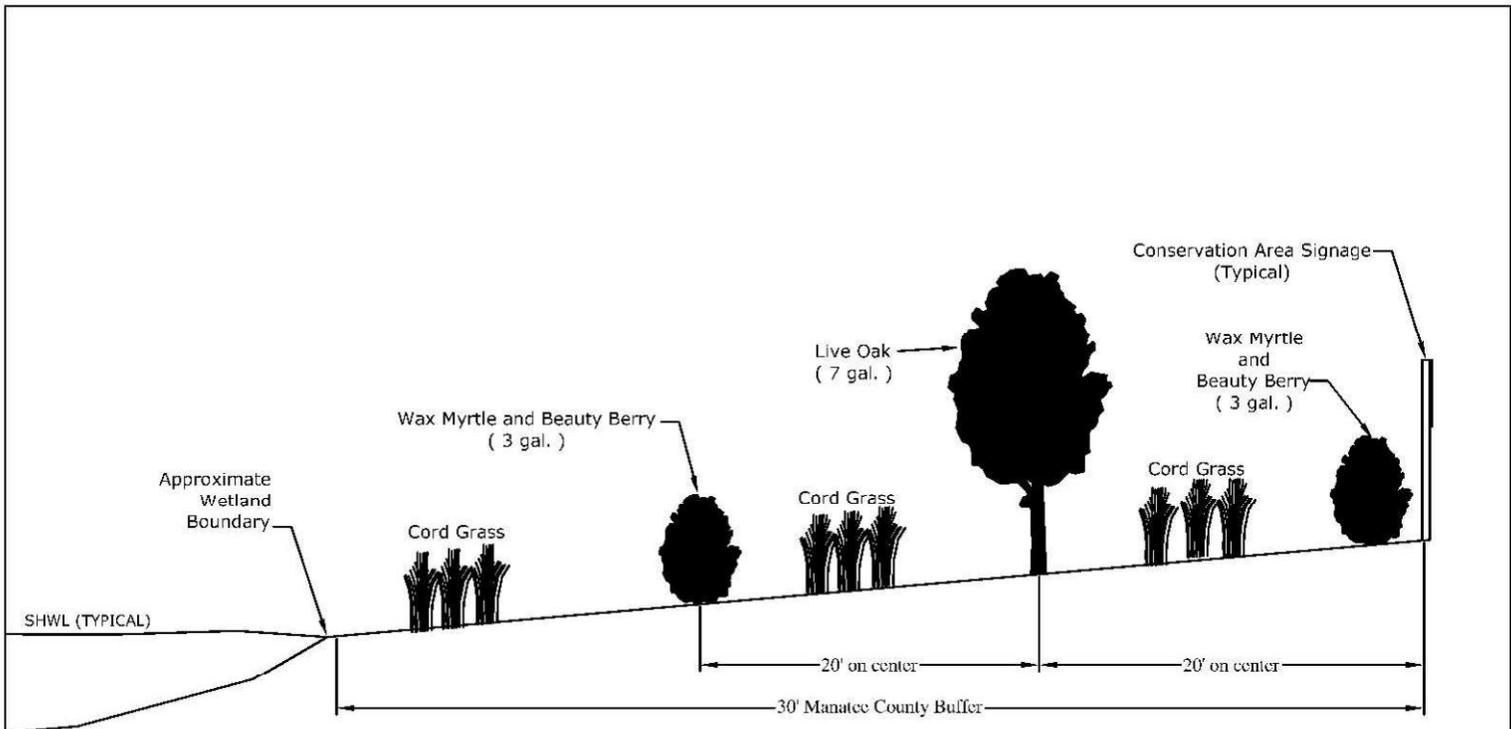
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201 5th Ave. Dr. E., Bradenton, FL 34208  
 941.748.8080 | www.znseng.com

# **ATTACHMENT B**

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## **WETLAND BUFFER RESTORATION PLAN**



**Typical Buffer Cross Section**

<b>Wetland Buffer Enhancement (W-24) 0.45 ac.</b>		
<b>Common Name</b>	<b>Size</b>	<b>Spacing</b>
Live Oak	7 gal.	25' on center
Wax Myrtle	3 gal.	20' on center
Beauty Berry	3 gal.	20' on center
Cord Grass	4" plug	8' on center

**Client:** Neal Communities, LLC.  
**Project:** Amazon South Phase 3A  
**Title:** Proposed Buffer Enhancement Cross Section  
**Date:** Feb., 10 2016  
 File: F:\Sarasota\Nea\AmazonSouthPhase3\CAD

**ECo**  
 CONSULTANTS INCORPORATED  
 1523 8th Avenue West, Suite B, Palmetto, FL 34221  
 Telephone 941.722.0901, Fax 941.722.4931  
 P.O. Box 53106, Sarasota, FL 34234  
 Telephone 941.388.0505, Fax 941.870.3245  
 213 East Park Avenue, Lake Wales, FL 33853  
 Telephone 863.676.8996

**Sec:** 16-17 **Twp:** 33S **Rng:** 19E  
**Scale:** Not to Scale  
**Date Drawn:** 02/10/17  
**Drawn by:** CW and MJ

**Sheet:**  
 1 of 1

# **ATTACHMENT C**

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## **FNAI BIODIVERSITY MATRIX**



1018 Thomasville Road  
 Suite 200-C  
 Tallahassee, FL 32303  
 850-224-8207  
 850-681-9364 fax  
 www.fnai.org

## Florida Natural Areas Inventory

### Biodiversity Matrix Query Results

UNOFFICIAL REPORT

Created 4/27/2017

(Contact the FNAI Data Services Coordinator at 850.224.8207 for information on an official Standard Data Report)

for

NOTE: The Biodiversity Matrix includes only rare species and natural communities tracked by FNAI.

#### Report for 2 Matrix Units: 24683 , 24684

	<p><b>Descriptions</b></p> <p><b>DOCUMENTED</b> - There is a documented occurrence in the FNAI database of the species or community within this Matrix Unit.</p> <p><b>DOCUMENTED-HISTORIC</b> - There is a documented occurrence in the FNAI database of the species or community within this Matrix Unit; however the occurrence has not been observed/reported within the last twenty years.</p> <p><b>LIKELY</b> - The species or community is <i>known</i> to occur in this vicinity, and is considered likely within this Matrix Unit because:</p> <div style="border: 1px solid black; padding: 5px;"> <ol style="list-style-type: none"> <li>1. documented occurrence overlaps this and adjacent Matrix Units, but the documentation isn't precise enough to indicate which of those Units the species or community is actually located in; <i>or</i></li> <li>2. there is a documented occurrence in the vicinity and there is suitable habitat for that species or community within this Matrix Unit.</li> </ol> </div> <p><b>POTENTIAL</b> - This Matrix Unit lies within the known or predicted range of the species or community based on expert knowledge and environmental variables such as climate, soils, topography, and landcover.</p>
--	--

**Matrix Unit ID: 24683**

0 **Documented** Elements Found

0 **Documented-Historic** Elements Found

3 **Likely** Elements Found

Scientific and Common Names	Global Rank	State Rank	Federal Status	State Listing
<a href="#"><i>Mycteria americana</i></a> Wood Stork	G4	S2	LT	FT
<i>Selonodon floridensis</i> Florida Cebionid Beetle	G2G4	S2S4	N	N
<a href="#"><i>Trichechus manatus</i></a> West Indian Manatee	G2	S2	LE	FE

**Matrix Unit ID: 24684**

0 **Documented** Elements Found

0 **Documented-Historic** Elements Found

3 **Likely** Elements Found

Scientific and Common Names	Global Rank	State Rank	Federal Status	State Listing
<a href="#"><i>Haliaeetus leucocephalus</i></a> Bald Eagle	G5	S3	N	N
<a href="#"><i>Mycteria americana</i></a> Wood Stork	G4	S2	LT	FT
<a href="#"><i>Trichechus manatus</i></a> West Indian Manatee	G2	S2	LE	FE

**Matrix Unit IDs: 24683 , 24684**

11 **Potential** Elements Common to Any of the 2 Matrix Units

Scientific and Common Names	Global Rank	State Rank	Federal Status	State Listing
<a href="#"><i>Acipenser oxyrinchus desotoi</i></a> Gulf Sturgeon	G3T2	S2	LT	FT
<i>Copris howdeni</i> Howden's Copris Beetle	G2?	S1S2	N	N
<a href="#"><i>Drymarchon couperi</i></a> Eastern Indigo Snake	G3	S3	LT	FT
<a href="#"><i>Eretmochelys imbricata</i></a> Hawksbill Sea Turtle	G3	S1	LE	FE
<a href="#"><i>Forestiera godfreyi</i></a> Godfrey's Swampprivet	G2	S2	N	E
<a href="#"><i>Gopherus polyphemus</i></a> Gopher Tortoise	G3	S3	C	ST
<a href="#"><i>Lithobates capito</i></a> Gopher Frog	G3	S3	N	SSC
<i>Mustela frenata peninsulae</i> Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Rallus longirostris scottii</i> Florida Clapper Rail	G5T3?	S3?	N	N
<a href="#"><i>Sciurus niger shermani</i></a> Sherman's Fox Squirrel	G5T3	S3	N	SSC
<i>Setophaga discolor paludicola</i> Florida Prairie Warbler	G5T3	S3	N	N

**Disclaimer**

The data maintained by the Florida Natural Areas Inventory represent the single most comprehensive source of information available on the locations of rare species and other significant ecological resources statewide. However, the data are not always based on comprehensive or site-specific field surveys. Therefore, this information should not be regarded as a final statement on the biological resources of the site being considered, nor should it be substituted for on-site surveys. FNAI shall not be held liable for the accuracy and completeness of these data, or opinions or conclusions drawn from these data. FNAI is not inviting reliance on these data. Inventory data are designed for the purposes of conservation planning and scientific research and are not intended for use as the primary criteria for regulatory decisions.

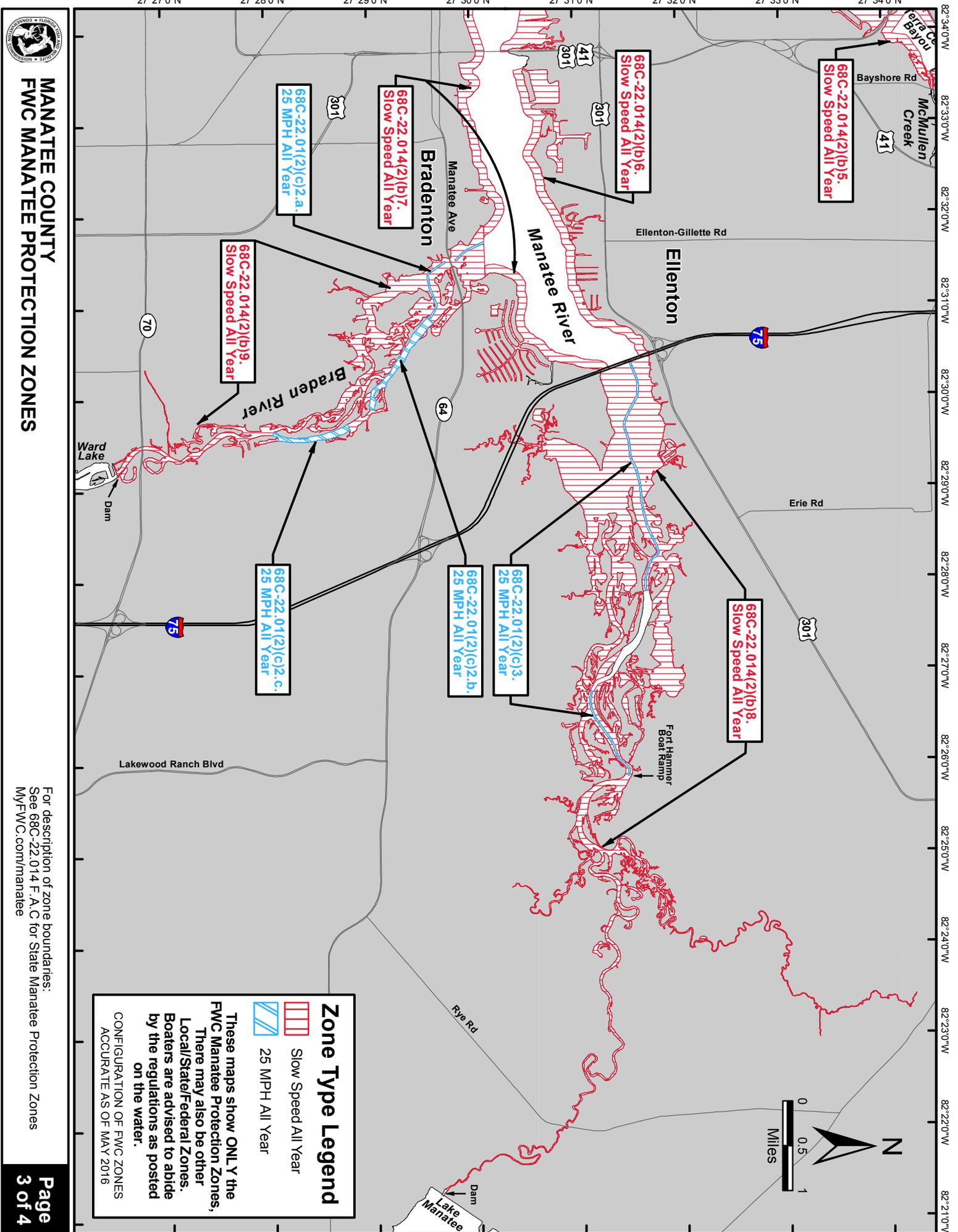
**Unofficial Report**

These results are considered unofficial. FNAI offers a [Standard Data Request](#) option for those needing certifiable data.

## **ATTACHMENT D**

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### **MANATEE DESIGNATED CRITICAL HABITAT**



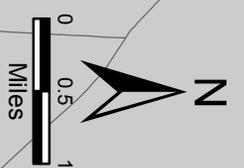
**MANATEE COUNTY  
FWC MANATEE PROTECTION ZONES**

**Zone Type Legend**

- Slow Speed All Year
- 25 MPH All Year

These maps show **ONLY** the FWC Manatee Protection Zones. There may also be other Local/State/Federal Zones. Boaters are advised to abide by the regulations as posted on the water.

CONFIGURATION OF FWC ZONES ACCURATE AS OF MAY 2016



For description of zone boundaries:  
See 68C-22.014 F.A.C for State Manatee Protection Zones  
MyFWC.com/manatee