

# JOINT PUBLIC NOTICE

February 27, 2017

United States Army  
Corps of Engineers  
New Orleans District  
Attn: Regulatory Branch  
7400 Leake Ave.  
New Orleans, Louisiana 70118-3651

State of Louisiana  
Department of Environmental Quality  
Attn: Water Quality Certifications  
Post Office Box 4313  
Baton Rouge, Louisiana 70821-4313

Project Manager:  
Bobby Quebedeaux  
(504) 862-2224  
bobby.d.quebedeaux@usace.army.mil  
Application #: MVN-2016-1386-WJJ

Project Manager:  
Elizabeth Hill  
(225) 219-3225  
WQC Application Number:  
WQC 170217-02

Interested parties are hereby notified that a permit application has been received by the New Orleans District of the U.S. Army Corps of Engineers pursuant to:  Section 10 of the Rivers and Harbors Act of March 3, 1899 (30 Stat. 1151; 33 USC 403); and/or  Section 404 of the Clean Water Act (86 Stat. 816; 33 USC 1344).

The application has also been mailed to the Louisiana Department of Environmental Quality, for a Water Quality Certification (WQC) in accordance with statutory authority contained in Louisiana Revised Statute 30:2074 A(3), and provisions of Section 401 of the Clean Water Act (P.L. 95-17).

## **CONSTRUCTION OF A POWER TRANSMISSION LINE AND EXPANSION OF AN EXISTING ELECTRICAL SUBSTATION IN ST. MARY PARISH**

**NAME OF APPLICANT:** Cleco Power LLC, c/o: Coastal Environments, Inc., Attn: Ed Fike, 1260 Main Street, Baton Rouge, Louisiana 70802

**LOCATION OF WORK:** At and in the vicinity of Atchafalaya River, Bayou Shaffer, GIWW and Bayou Bouef, commencing at the existing Bayou Vista Substation, traveling a distance of approximately 11.84 miles and terminating at a tie-in with Entergy's new transmission line near Amelia, Louisiana, in St. Mary Parish (29.679100, -91.1904)

**CHARACTER OF WORK:** Construction of a 230KV aerial transmission line and expansion of the existing Cleco Bayou Vista electrical substation. Approximately 14,705 cubic yards of fill (clay/sand/base material) will be deposited; and approximately 103 transmission poles with an average spacing of approximately 550 feet, will be mounted on steel caissons. The proposed project will include the permanent clearing of approximately 49.4 acres of jurisdictional bottomland hardwoods (BLH) and 26.6 acres of swamp for the perpetual right-of-way, temporary clearing of 2.5 acres of BLH and 3.4 acres of swamp for construction, temporary disturbance to 11.8 acres of fresh marsh and/or emergent wetlands for construction, and permanent filling of 0.03 acres of BLH and 0.01 acres of swamp, and 1.37 acres of fresh marsh and/or emergent wetlands for construction of a substation. The applicant proposed to mitigate for all authorized and unavoidable impacts to jurisdictional wetlands through the use of an approved and acceptable mitigation bank within the N.O. District or a proposed permittee-responsible mitigation plan (yet to be determined).

The applicant also proposes to restore natural contours and conditions within temporarily impacted emergent and forested wetlands areas immediately following project construction, and will abide by any restoration requirements set forth by the N.O. District, should permit issuance be justified.

The comment period for the Department of the Army Permit and the Louisiana Department of Environmental Quality WQC will close **20 days** from the date of this joint public notice. Written comments, including suggestions for modifications or objections to the proposed work, stating reasons thereof, are being solicited from anyone having interest in this permit and/or this WQC request and must be submitted so as to be received before or by the last day of the comment period. Letters concerning the Corps of Engineers permit application must reference the applicant's name and the Permit Application Number, and be forwarded to the Corps of Engineers at the address above, **ATTENTION: REGULATORY BRANCH. Individuals or parties may request an extension of time in which to comment on the proposed work by writing, faxing, or e-mailing the Corps of Engineers Project Manager listed above. Any request must be specific and substantively supportive of the requested extension, and received by this office prior to the end of the initial comment period. The Section Chief will review the request and the requestor will be promptly notified of the decision to grant or deny the request. If granted, the time extension will be continuous to the initial comment period and, inclusive of the initial comment period, will not exceed a total of 30 calendar days.** Letters concerning the Water Quality Certification must reference the applicant's name and the WQC Application number and be mailed to the Louisiana Department of Environmental Quality at the address above.

The application for this proposed project is on file with the Louisiana Department of Environmental Quality and may be examined during weekdays between 8:00 a.m. and 4:30 p.m. Copies may be obtained upon payment of costs of reproduction.

### **Corps of Engineers Permit Criteria**

The decision whether to issue a permit will be based on an evaluation of the probable impacts, including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which reasonably may be expected to accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership and, in general, the needs and welfare of the people.

The U.S. Army Corps of Engineers is soliciting comments from the public, federal, state, and local agencies and officials, Indian Tribes, and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the U.S. Army Corps of Engineers to determine whether to make, modify, condition, or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

The New Orleans District is unaware of properties listed on the National Register of Historic Places near the proposed work. The possibility exists that the proposed work may damage or destroy presently unknown archeological, scientific, prehistorical, historical sites, or data. Copies of this public notice are being sent to the State Archeologist and State Historic Preservation Officer regarding potential impacts to cultural resources.

Our initial finding is that the proposed work would neither affect any species listed as endangered by the U.S. Departments of Interior or Commerce, nor affect any habitat designated as critical to the survival and recovery of any endangered species. Based on the South Louisiana **Standard Local Operating Procedure for Endangered Species (SLOPES)**, as signed on October 22, 2014, between the U.S. Army Corps of Engineers, New Orleans and the U.S. Fish and Wildlife Service, it has been determined that the project would have no effect to any listed species.

This notice initiates the Essential Fish Habitat (EFH) consultation requirements of the Magnuson-Stevens Fishery Conservation and Management Act. The applicant's proposal may result in the destruction or alteration of **0.0** acres of EFH utilized by various life stages of red drum and penaeid shrimp. Our initial determination is that the proposed action would not have a substantial adverse impact on EFH or federally managed fisheries in the Gulf of Mexico. Our final determination relative to project impacts and the need for mitigation measures is subject to review by and coordination with the National Marine Fisheries Service.

If the proposed work involves deposits of dredged or fill material into navigable waters, the evaluation of the probable impacts will include the application of guidelines established by the Administrator of the Environmental Protection Agency. Also, a certification that the proposed activity will not violate applicable water quality standards will be required from the Department of Environmental Quality, before a Department of the Army permit is issued.

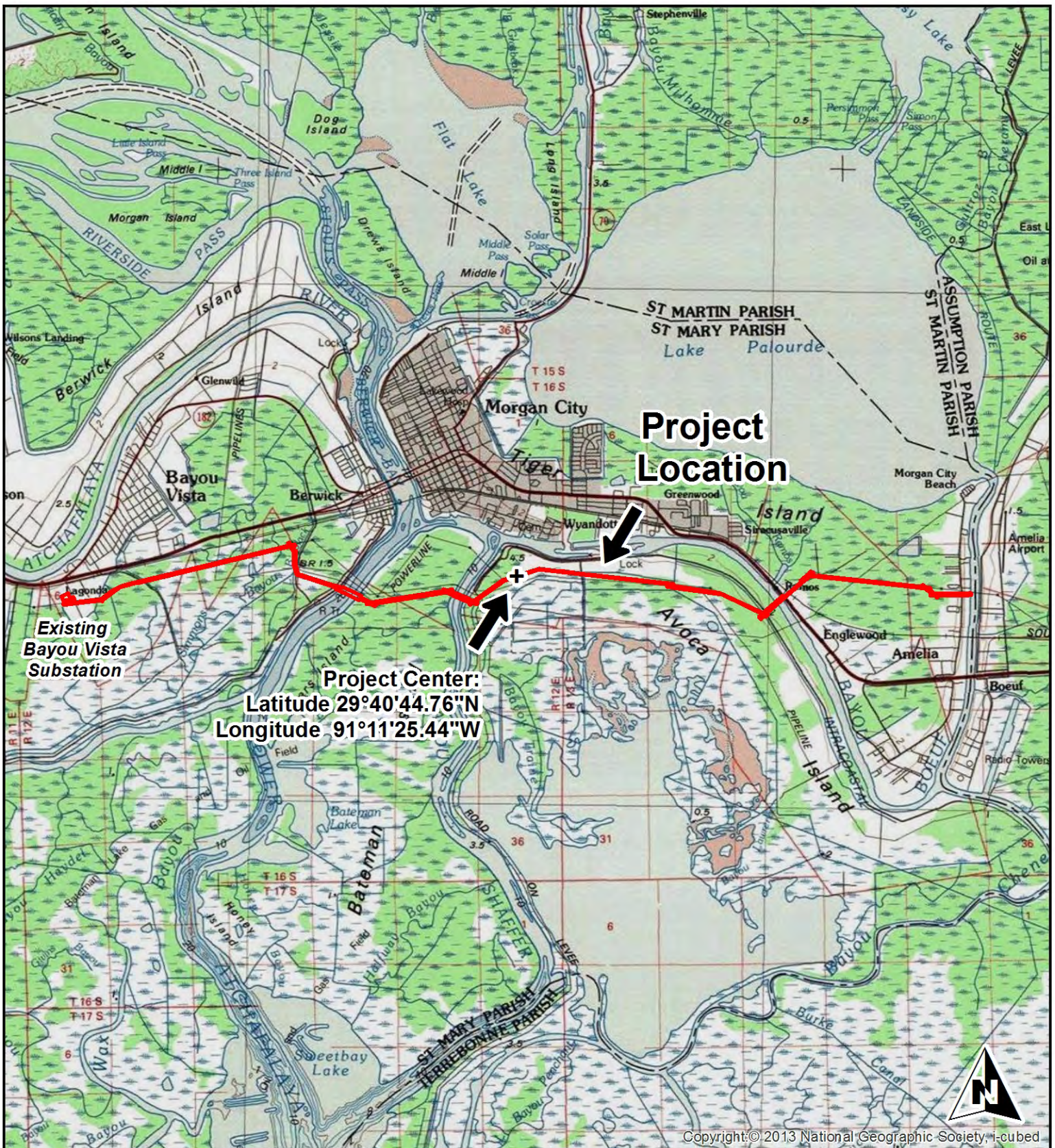
Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for public hearings shall state, with particularity, the reasons for holding a public hearing.

The applicant has certified that the proposed activity described in the application complies with and will be conducted in a manner that is consistent with the Louisiana Coastal Resources Program. The Department of the Army permit will not be issued unless the applicant received approval or a waiver of the Coastal Use Permit by the Department of Natural Resources.

You are invited to communicate the information contained in this notice to any other parties whom you deem likely to have interest in the matter.

Darrell S. Barbara  
Chief, Western Evaluation Section  
Regulatory Branch

Enclosure



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**Page 1**  
 PURPOSE: Improved Electrical Service to Customer Base  
 SOURCE: Ampirical Solutions, LLC & CEI Field Survey  
 MAP BASE: Cleco ROW Data & ESRI USA Topo Maps  
 DATUM: NAD83

0 0.75 1.5 2.25 3  
 Miles

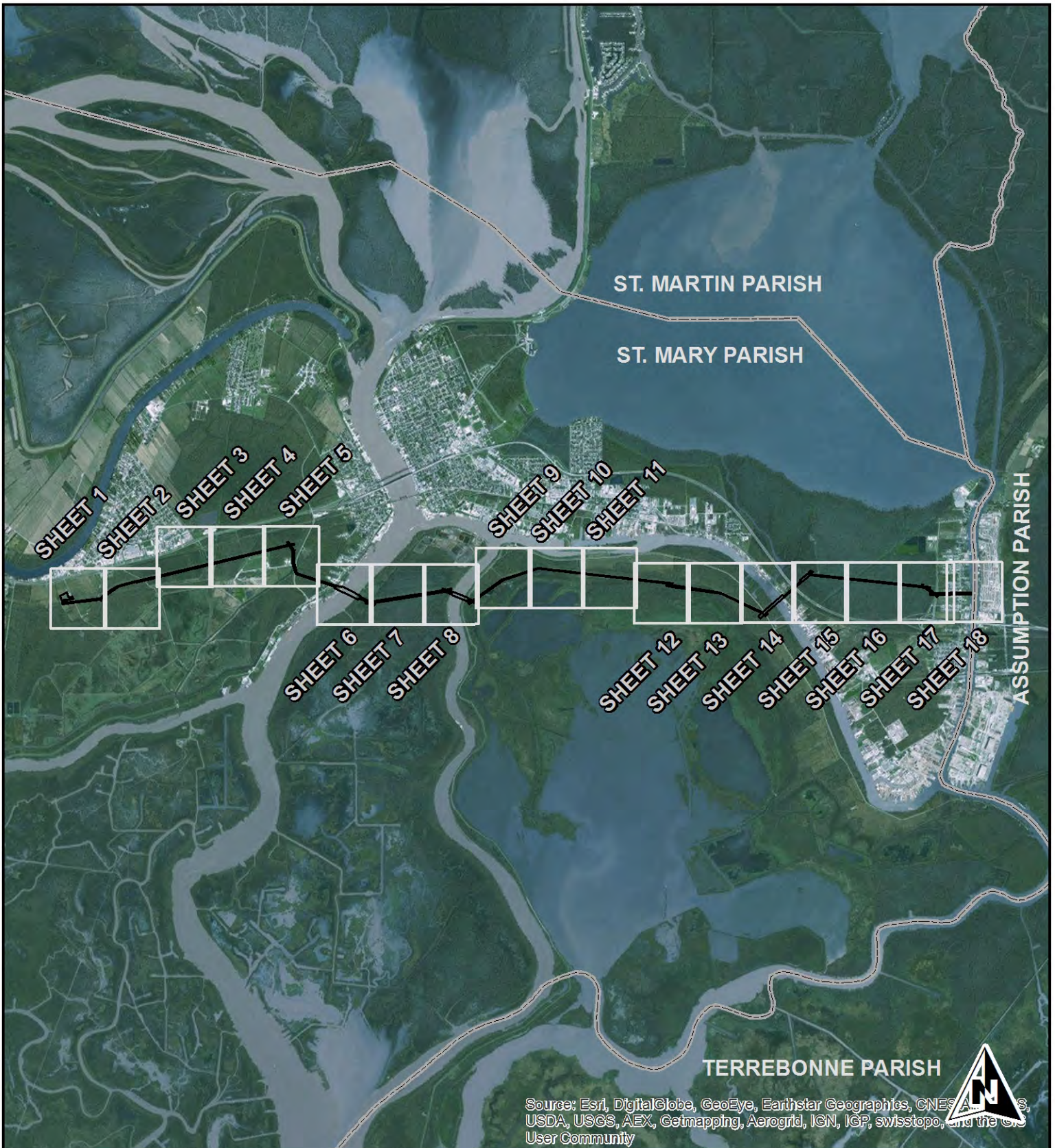
**SUBJECT LOCATION MAP**

Proposed Construction of +/- 11.84 mi. (+/- 62,523.14 ft.) of Bayou Vista to Amelia Transmission Line, Improvements and Expansion of Existing Bayou Vista Substation

**Cleco Power LLC**

LOCATION: T-16-S R-12-E & T-16-S, R-13-E  
 PARISH: St. Mary  
 APPLICATION BY: Cleco Power LLC  
 DATE: January 27, 2017

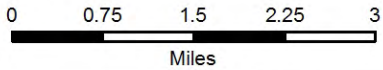
**Coastal Environments, Inc.**  
 Baton Rouge, LA.....225.383.7455



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

**Page 2**

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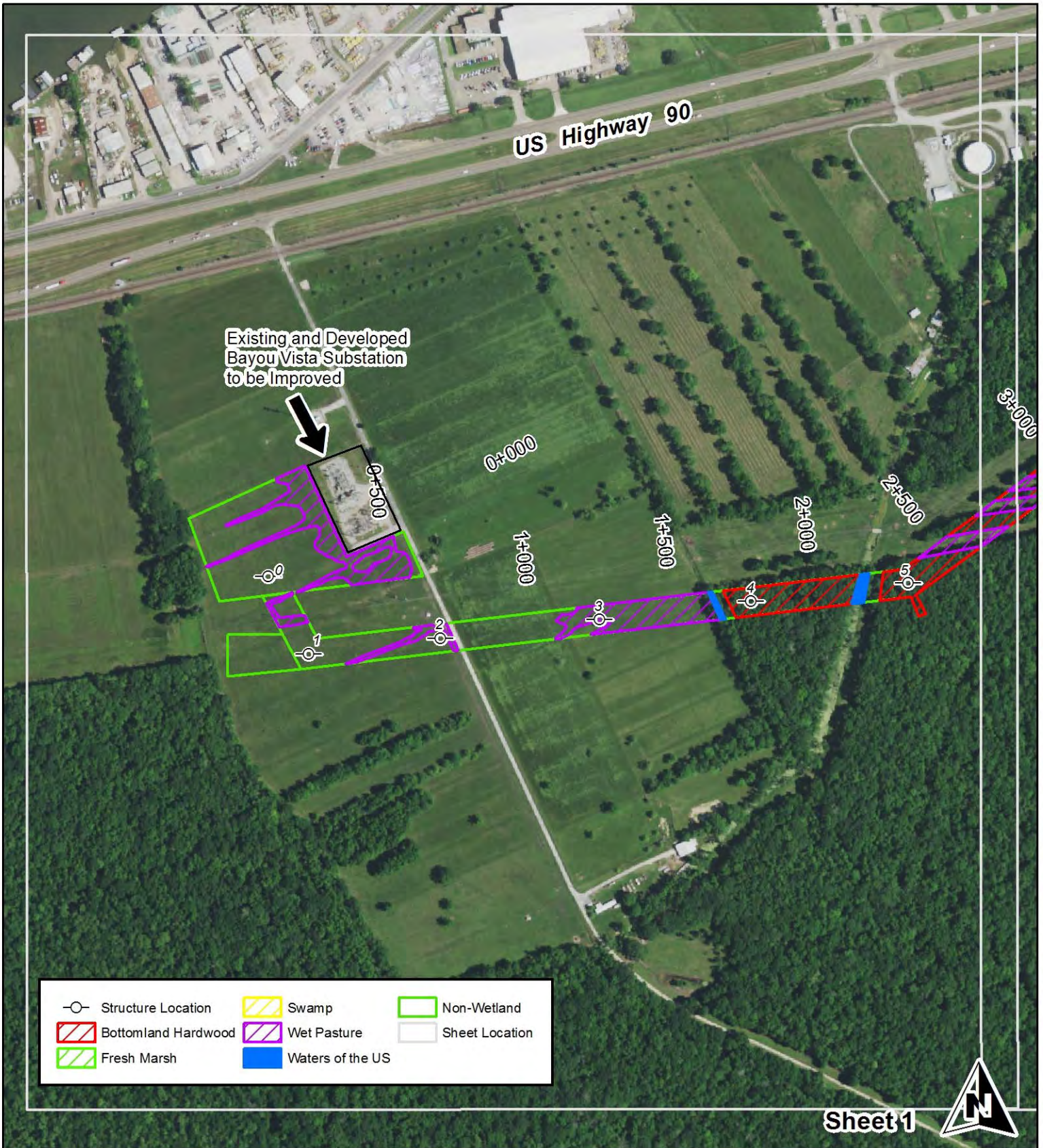
**SHEET LOCATION MAP**

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	Structure Location		Swamp		Non-Wetland
	Bottomland Hardwood		Wet Pasture		Sheet Location
	Fresh Marsh		Waters of the US		

Sheet 1



**Page 3A**  
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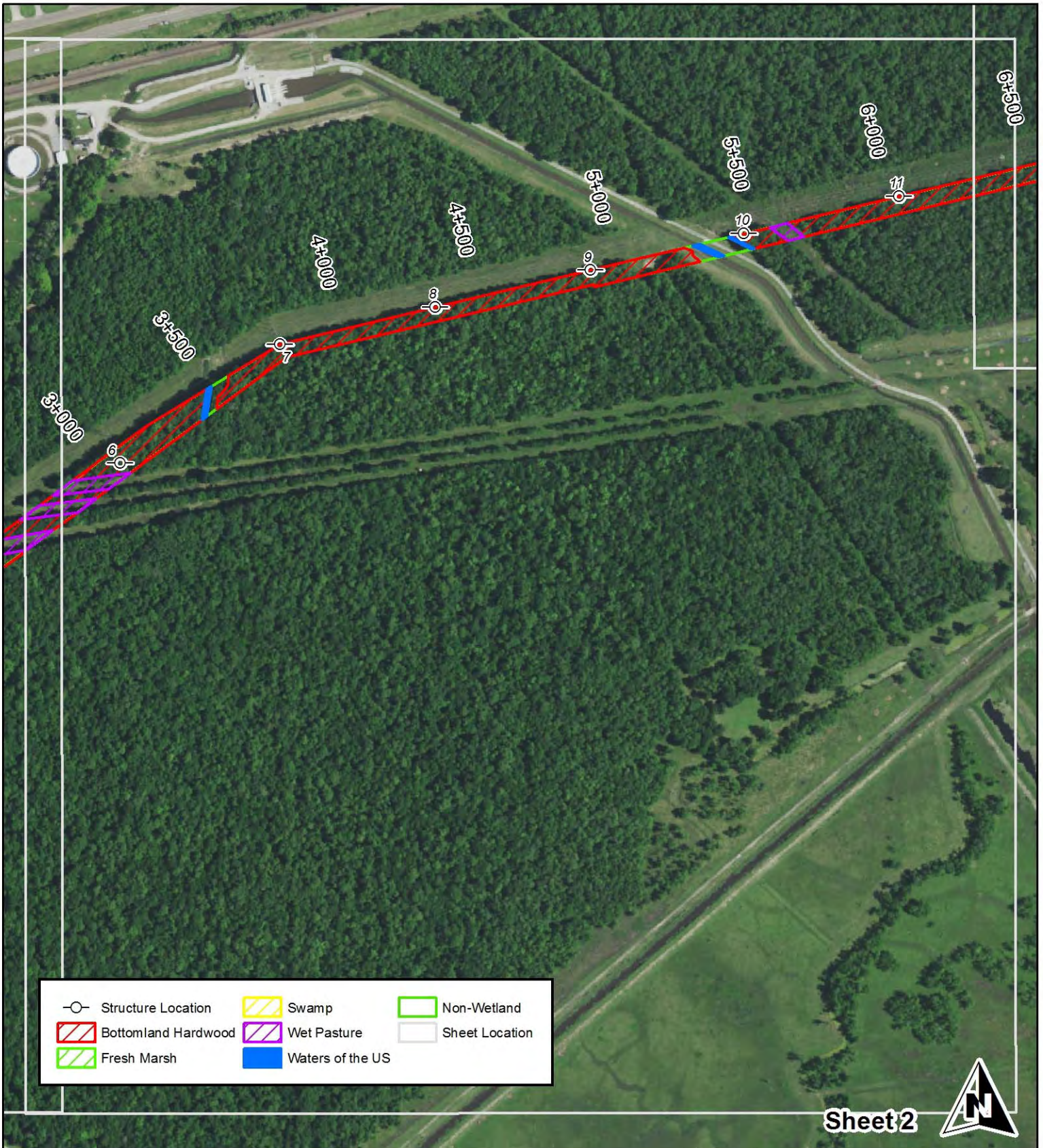
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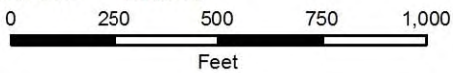


○ Structure Location	Swamp	Non-Wetland
Bottomland Hardwood	Wet Pasture	Sheet Location
Fresh Marsh	Waters of the US	

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**Page 4A**

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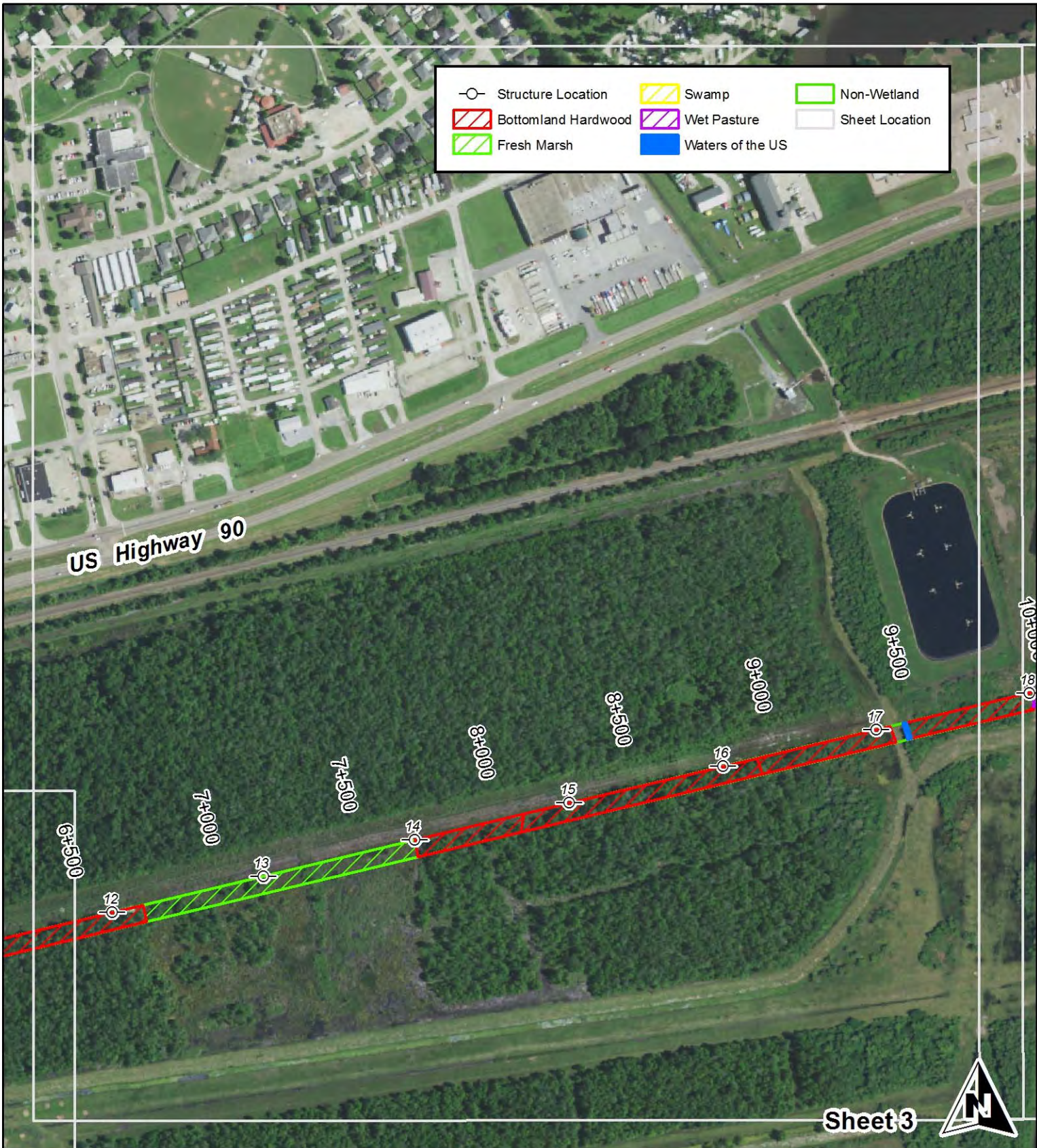
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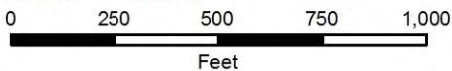
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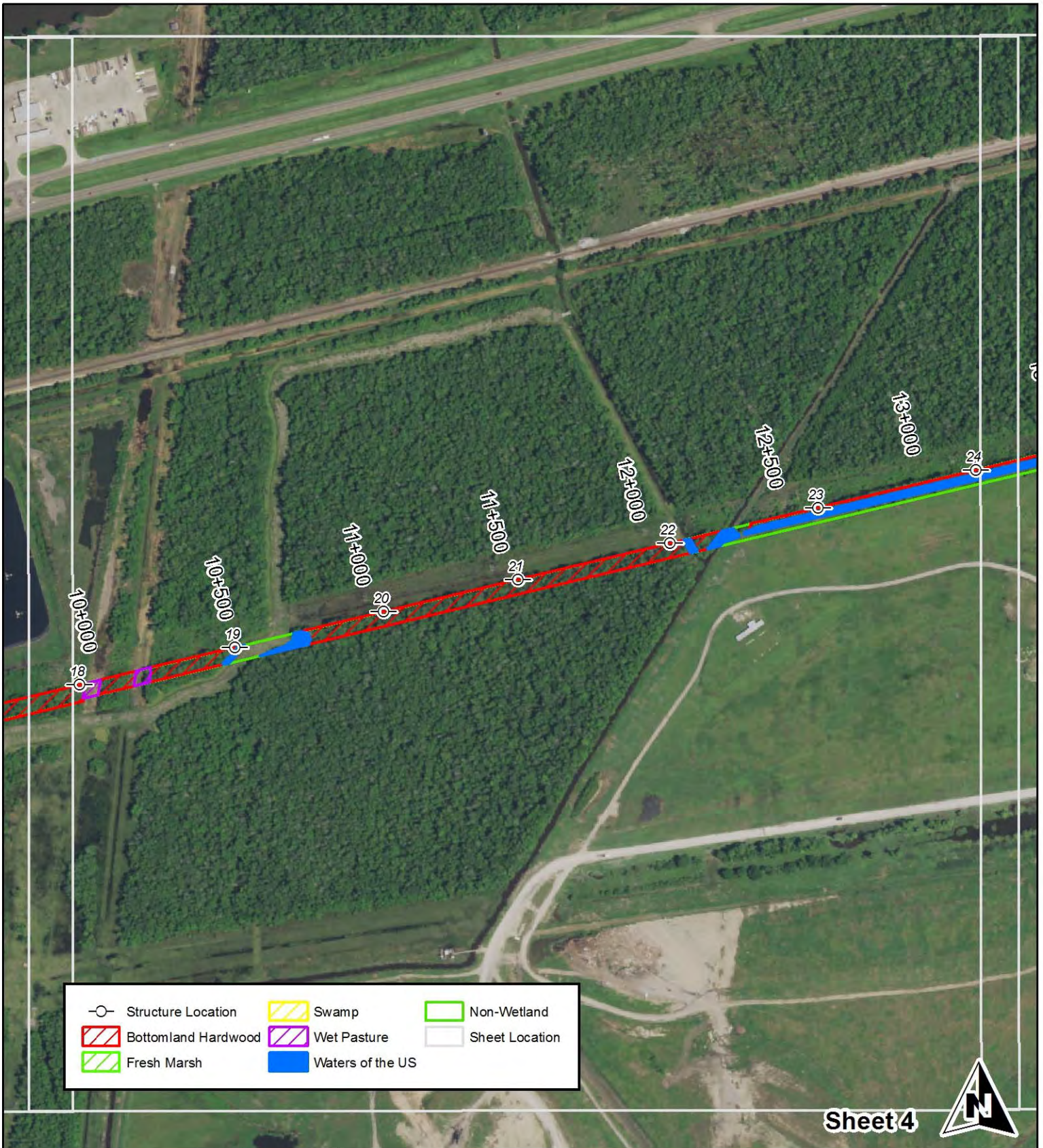
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	Bottomland Hardwood		Wet Pasture		Sheet Location
	Fresh Marsh		Waters of the US		

Sheet 4

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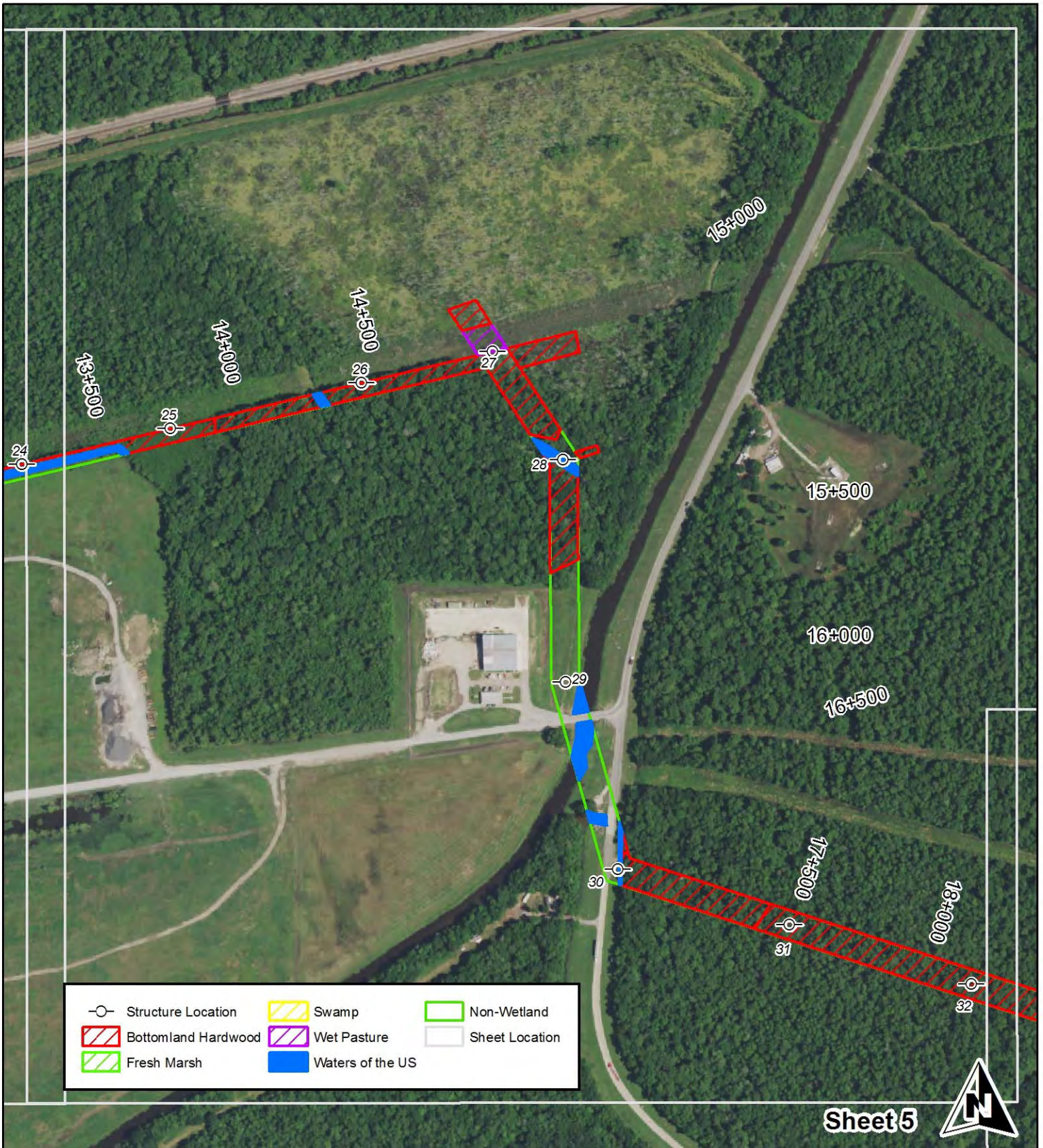
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Sheet 5

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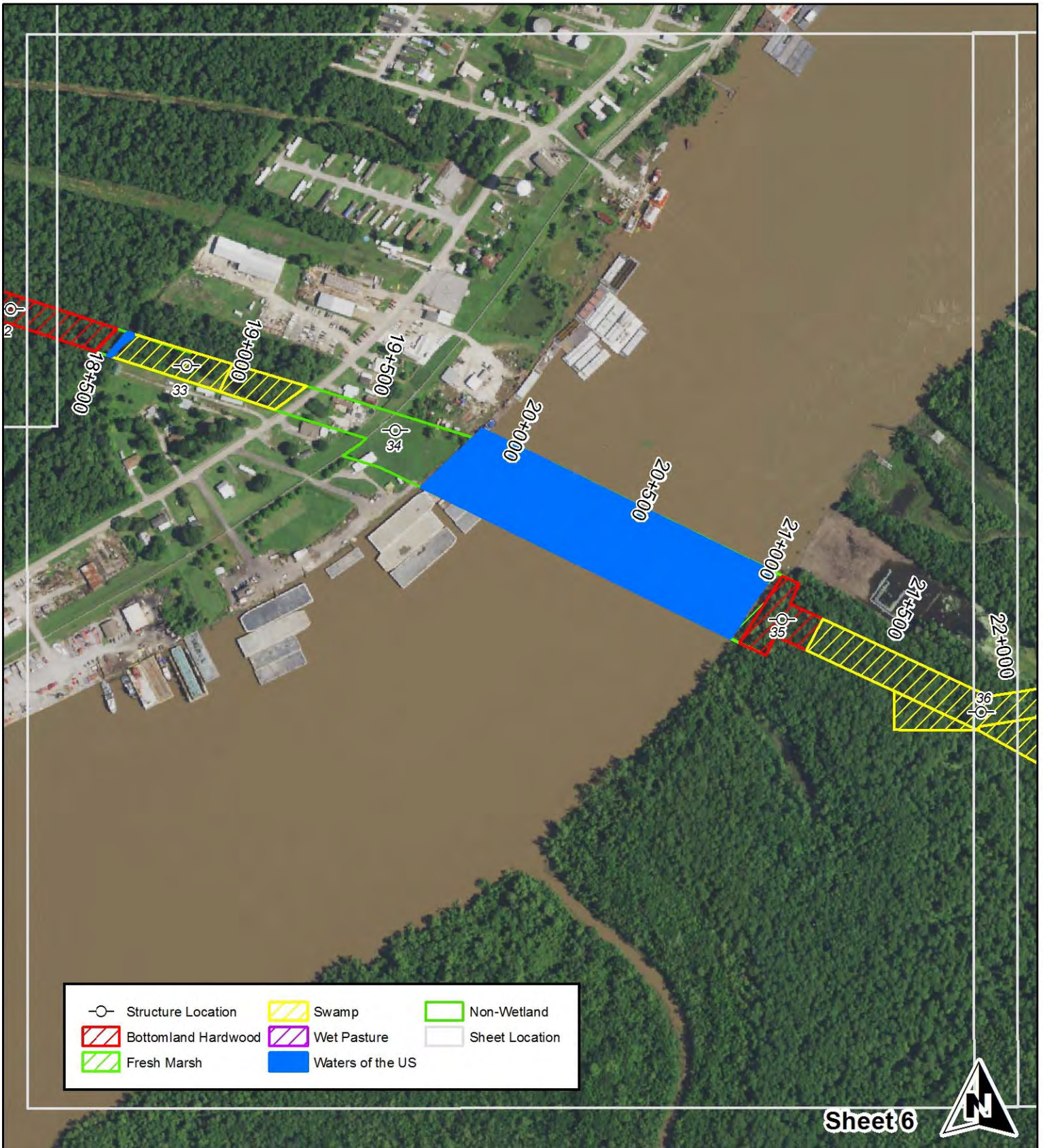
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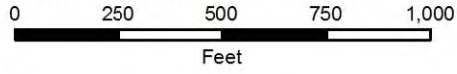


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	Bottomland Hardwood		Wet Pasture		Sheet Location
	Fresh Marsh		Waters of the US		

Sheet 6

**Page 8A**

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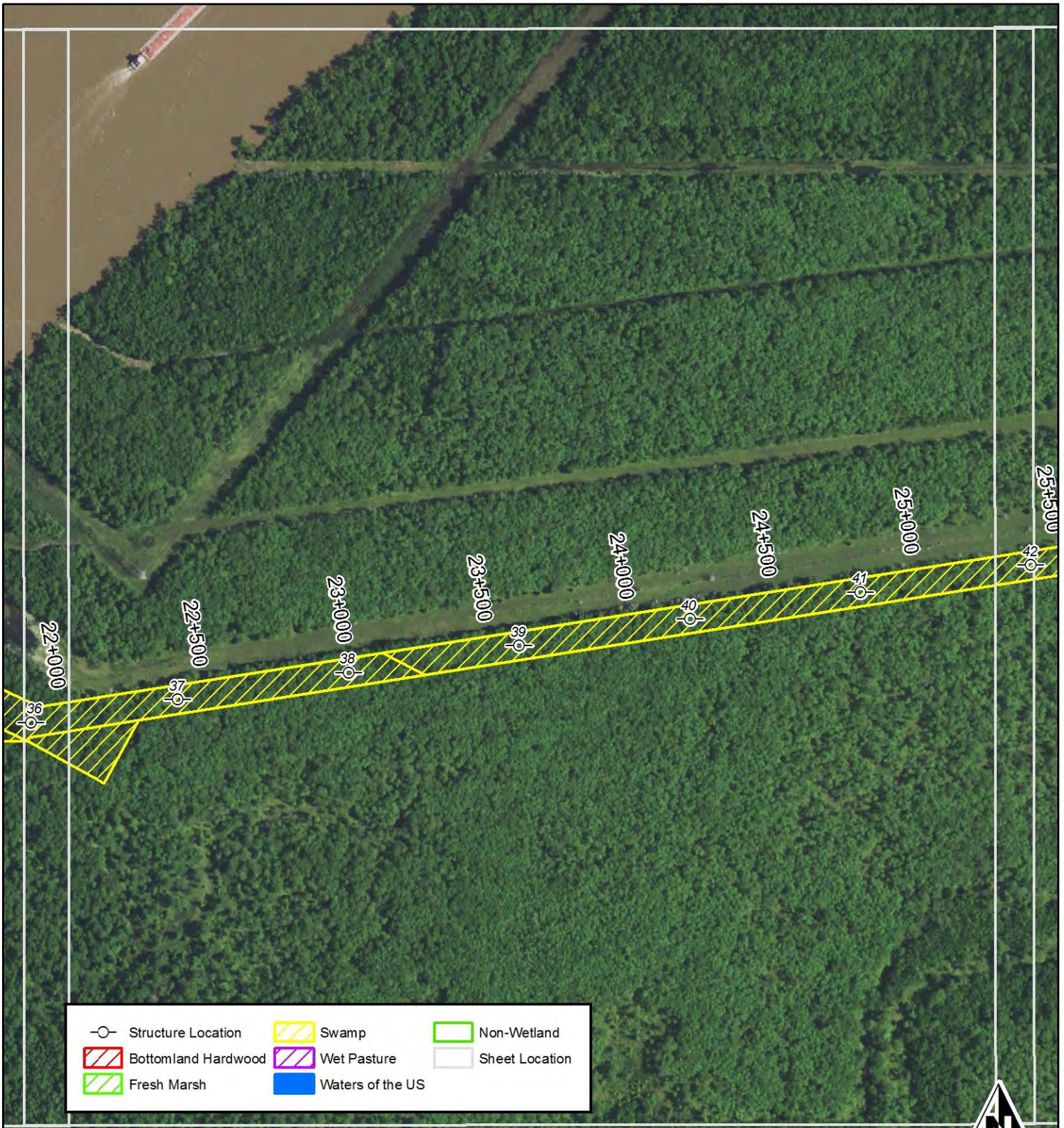
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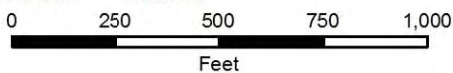


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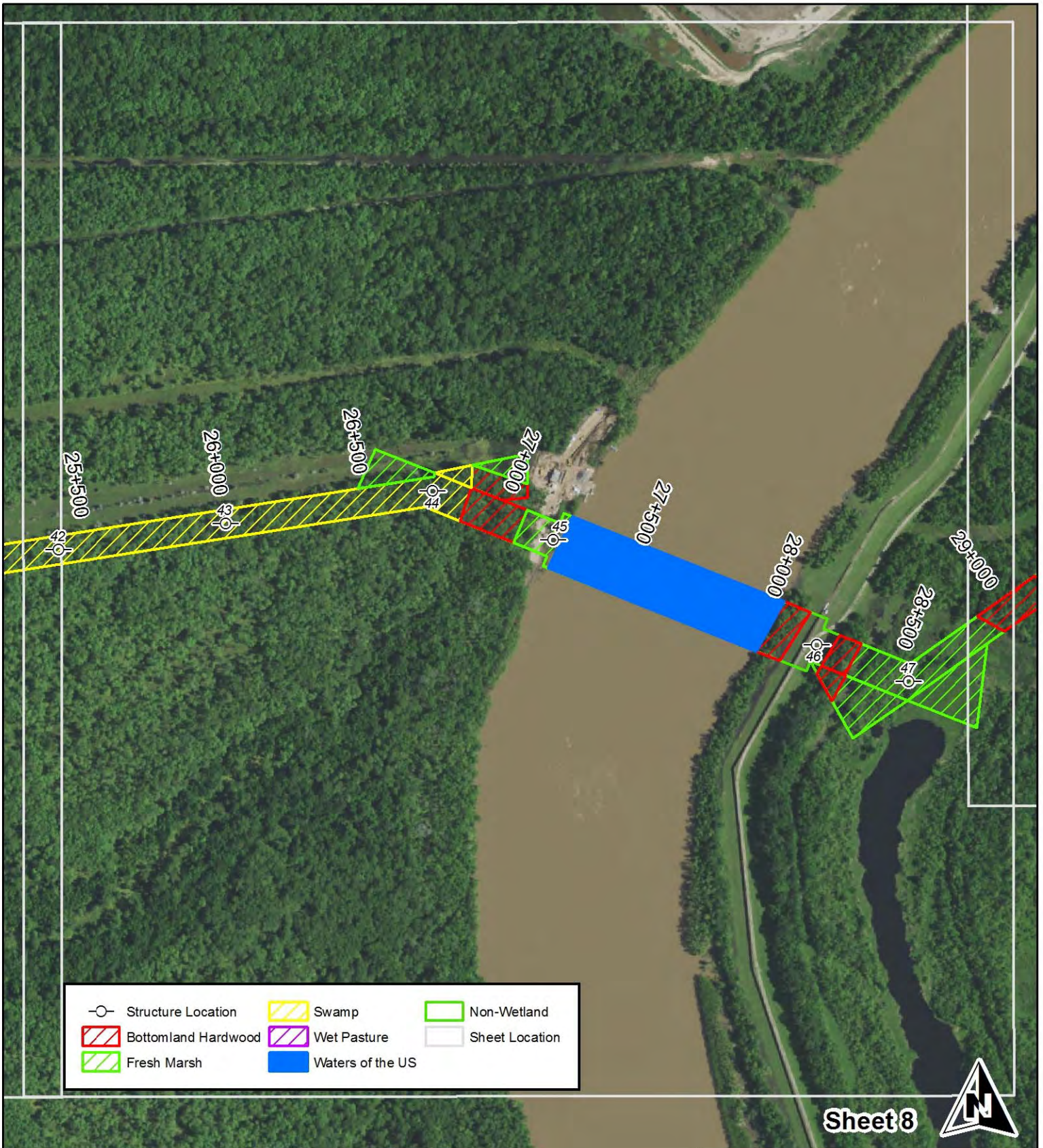
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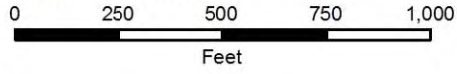


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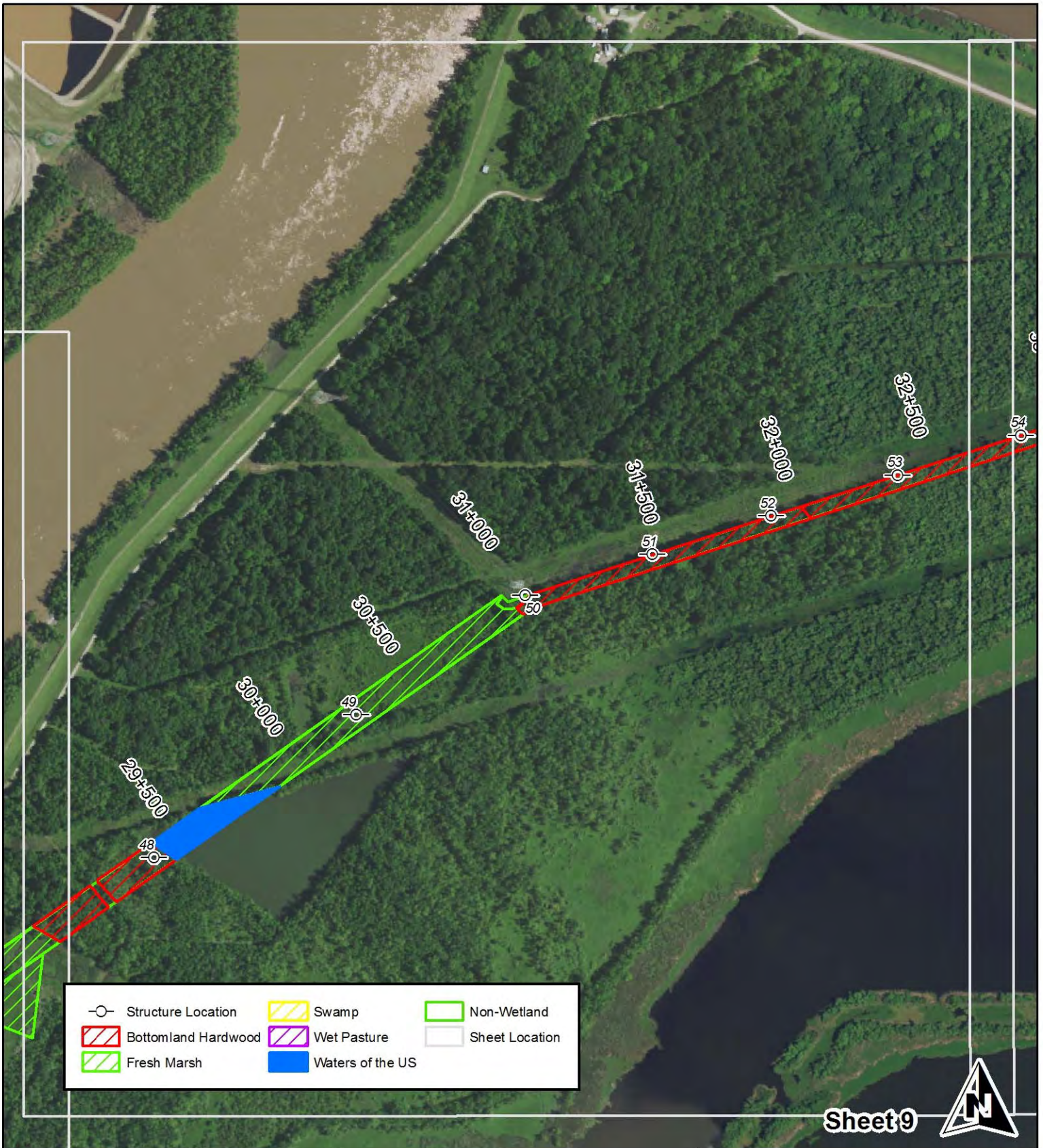
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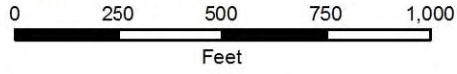


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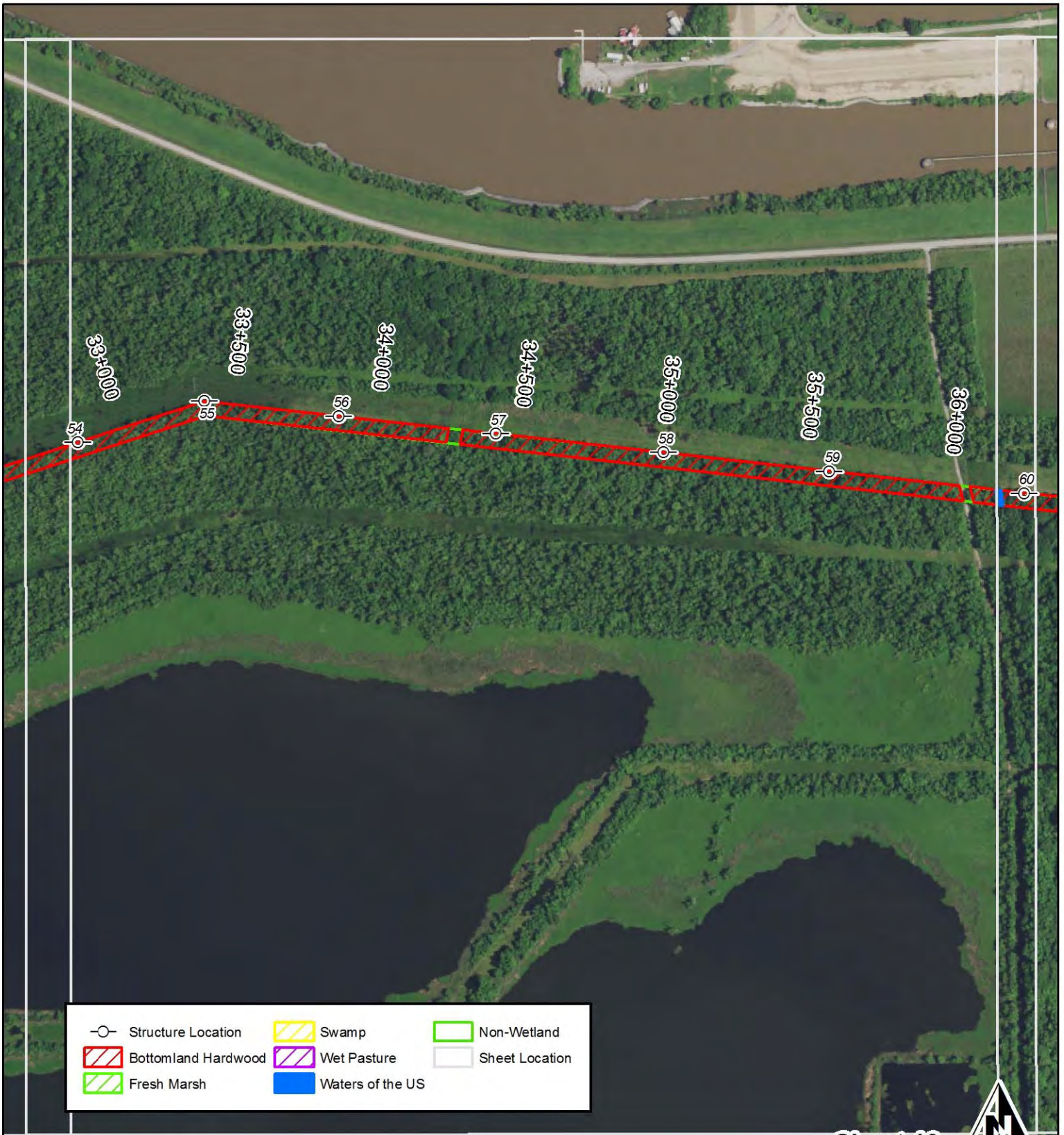
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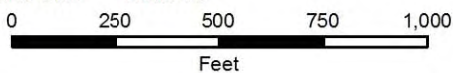


Sheet 10



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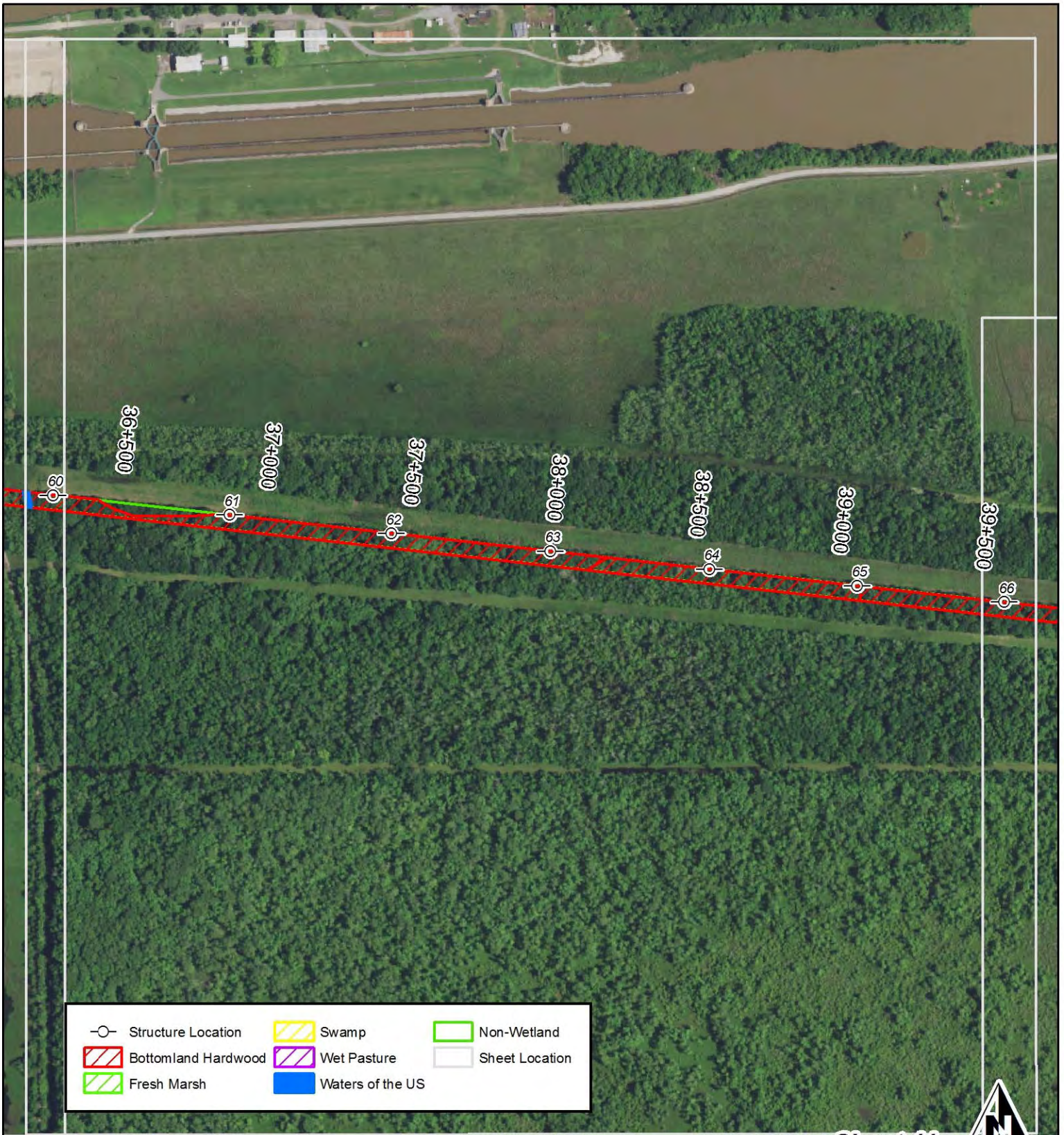
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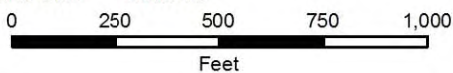


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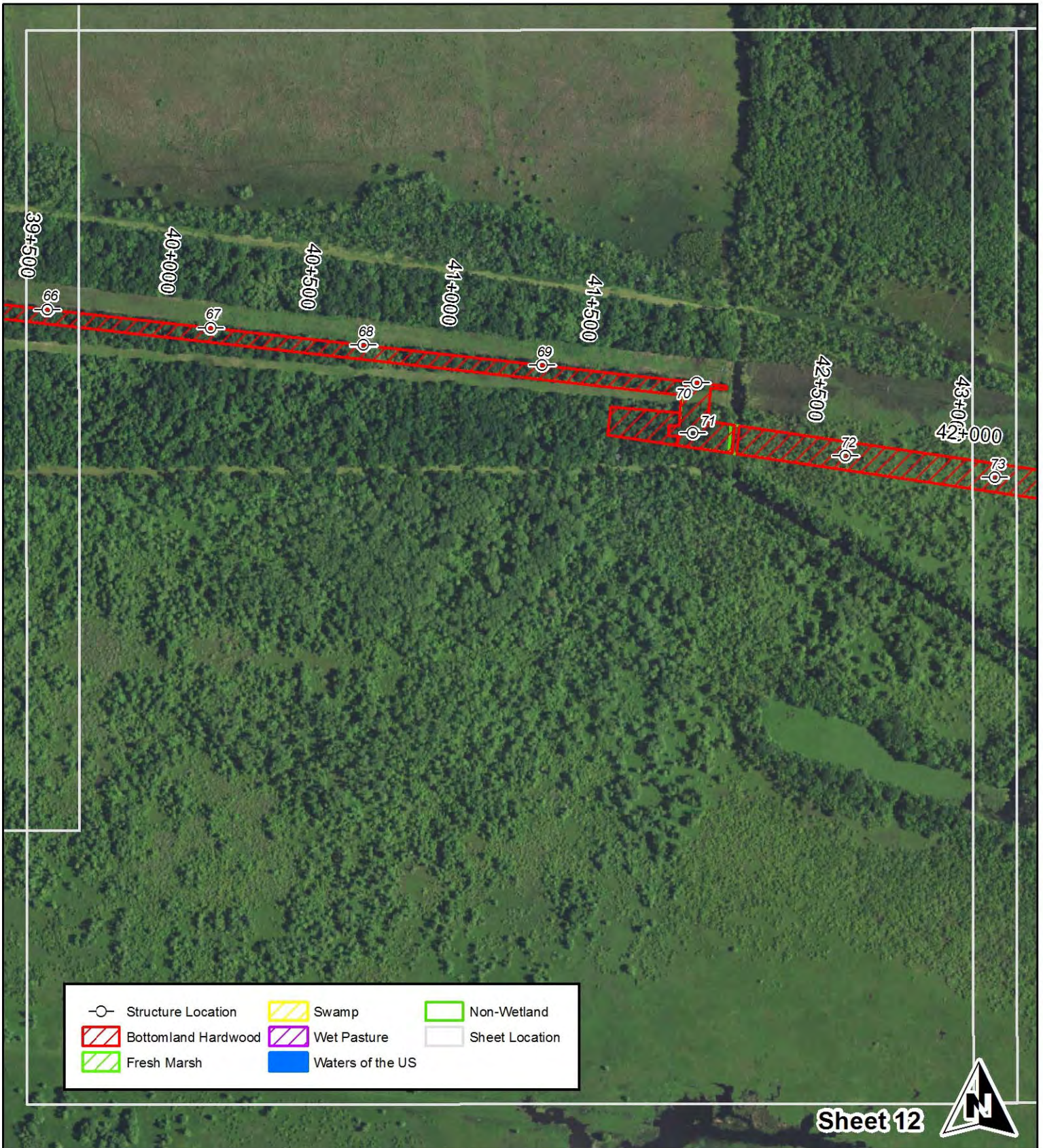
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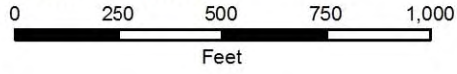


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**Page 14A**

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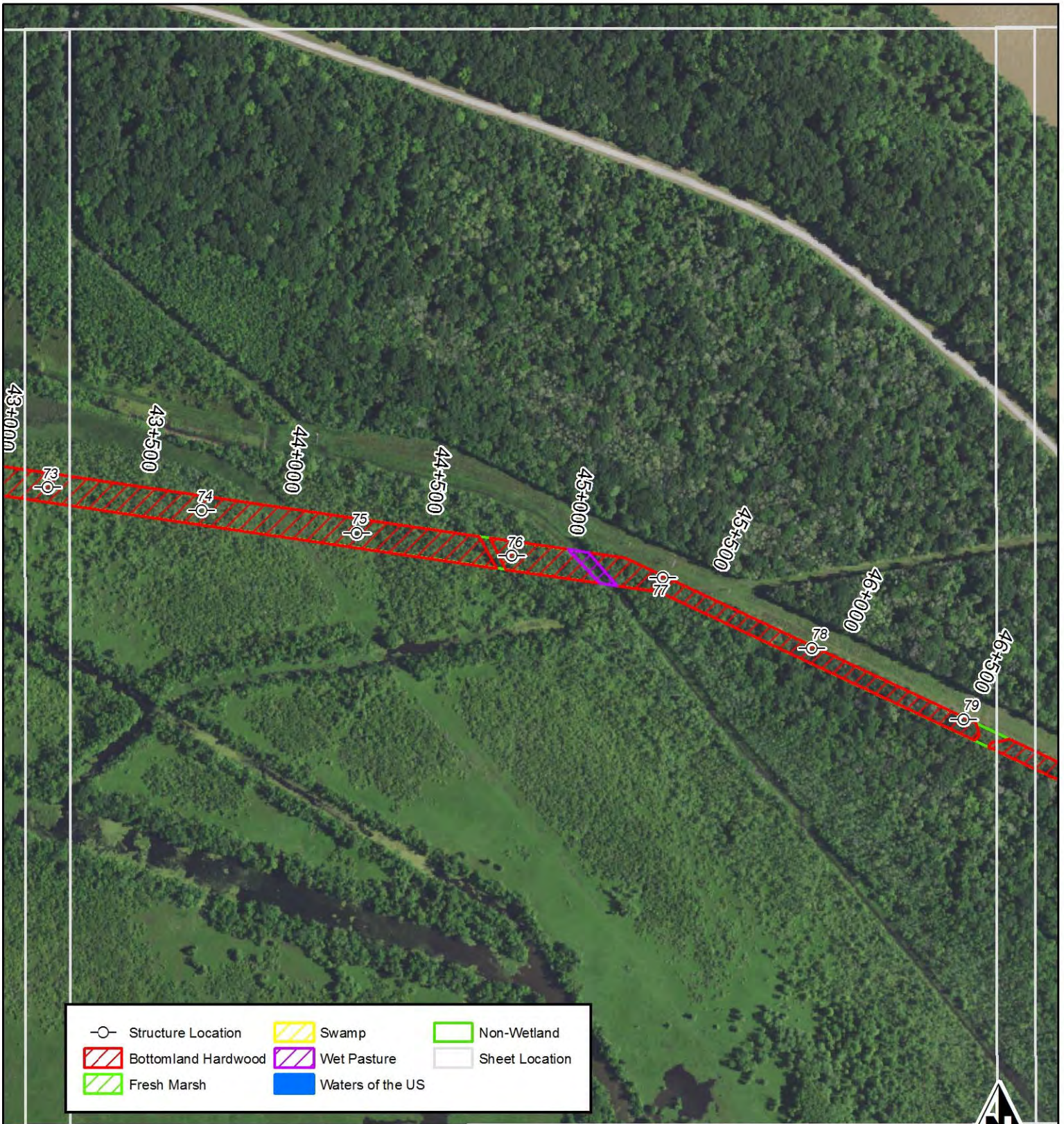
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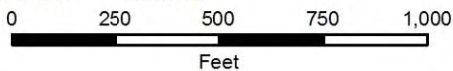


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**Page 15A**

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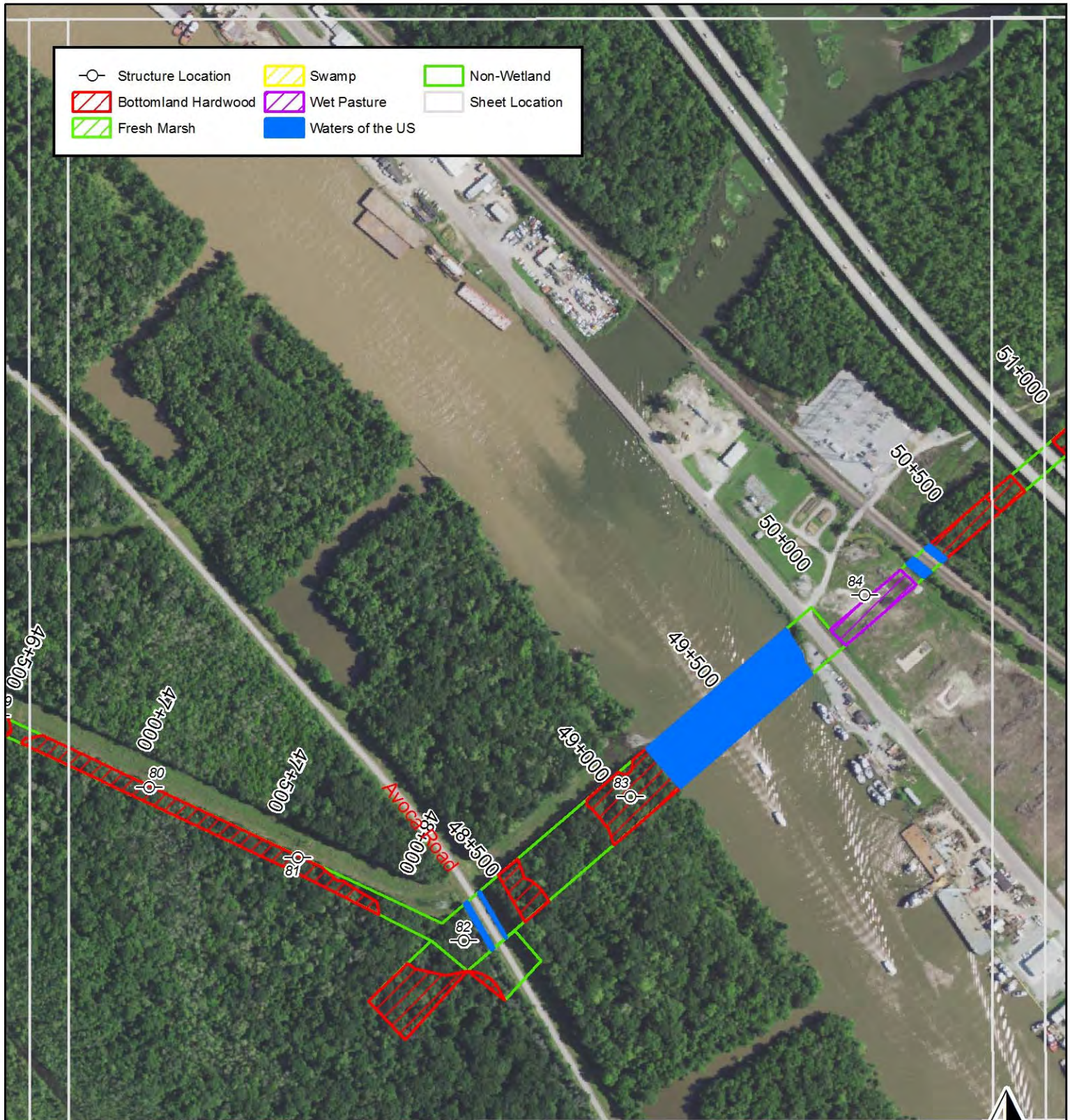
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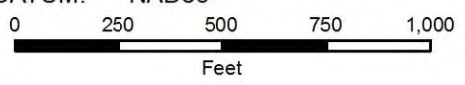



Sheet 14



**Page 16A**

PURPOSE: Improved Electrical Service to Customer Base  
 SOURCE: Ampirical Solutions, LLC & CEI Field Survey  
 MAP BASE: Cleco ROW Data & USDA-NAIP 2015 True Color Imagery  
 DATUM: NAD83



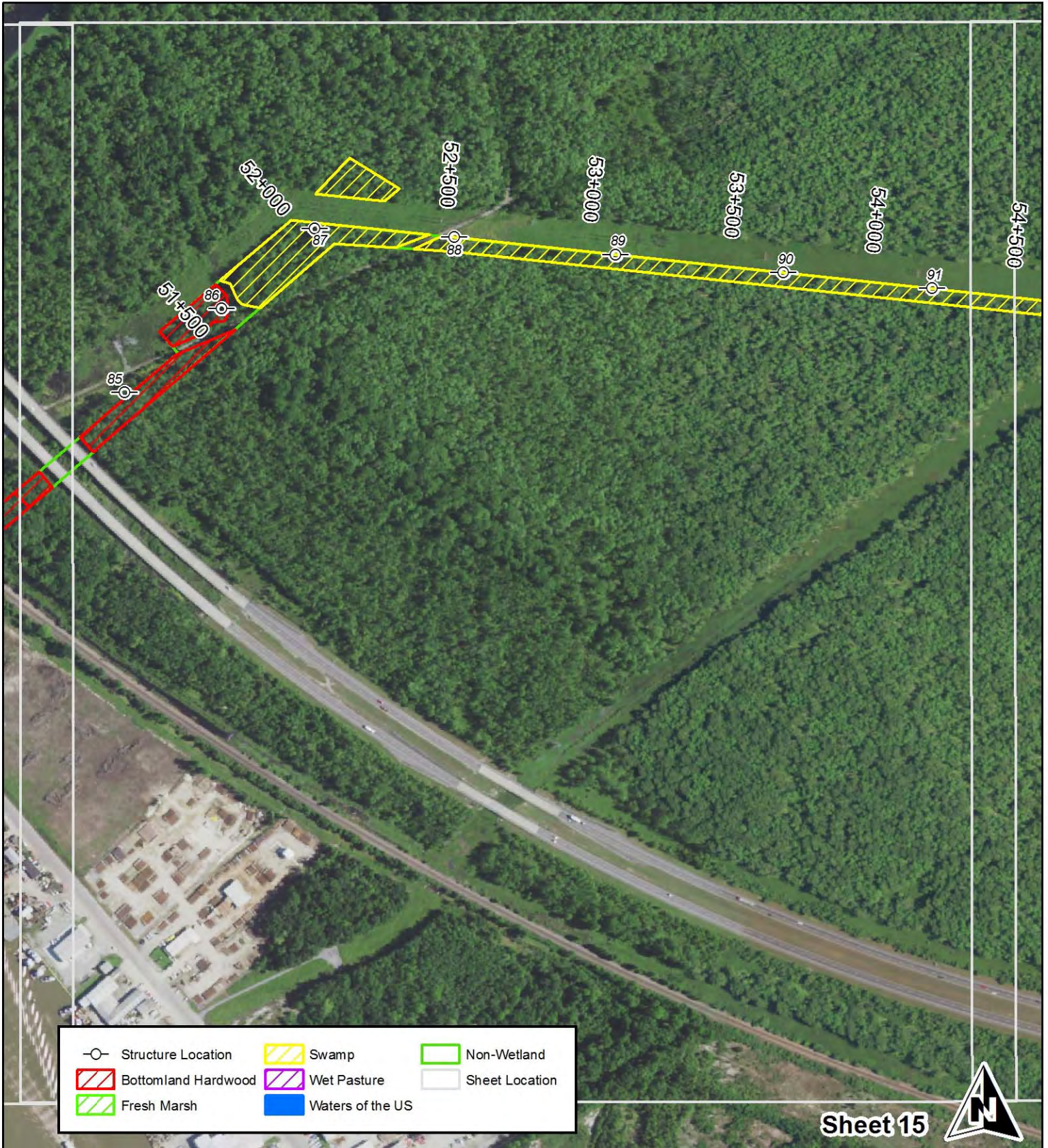
**AERIAL IMAGERY AND HABITAT DETAILS MAP**

Proposed Construction of +/- 11.84 mi. (+/- 62,523.14 ft.) of Bayou Vista to Amelia Transmission Line, Improvements and Expansion of Existing Bayou Vista Substation

**Cleco Power LLC**

LOCATION: T-16-S R-12-E & T-16-S, R-13-E  
 PARISH: St. Mary  
 APPLICATION BY: Cleco Power LLC  
 DATE: February 15, 2017

**Coastal Environments, Inc.**  
 Baton Rouge, LA.....225.383.7455



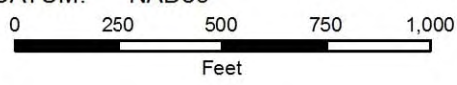
	Structure Location		Swamp		Non-Wetland
	Bottomland Hardwood		Wet Pasture		Sheet Location
	Fresh Marsh		Waters of the US		

Sheet 15



**Page 17A**

PURPOSE: Improved Electrical Service to Customer Base  
 SOURCE: Ampirical Solutions, LLC & CEI Field Survey  
 MAP BASE: Cleco ROW Data & USDA-NAIP 2015 True Color Imagery  
 DATUM: NAD83



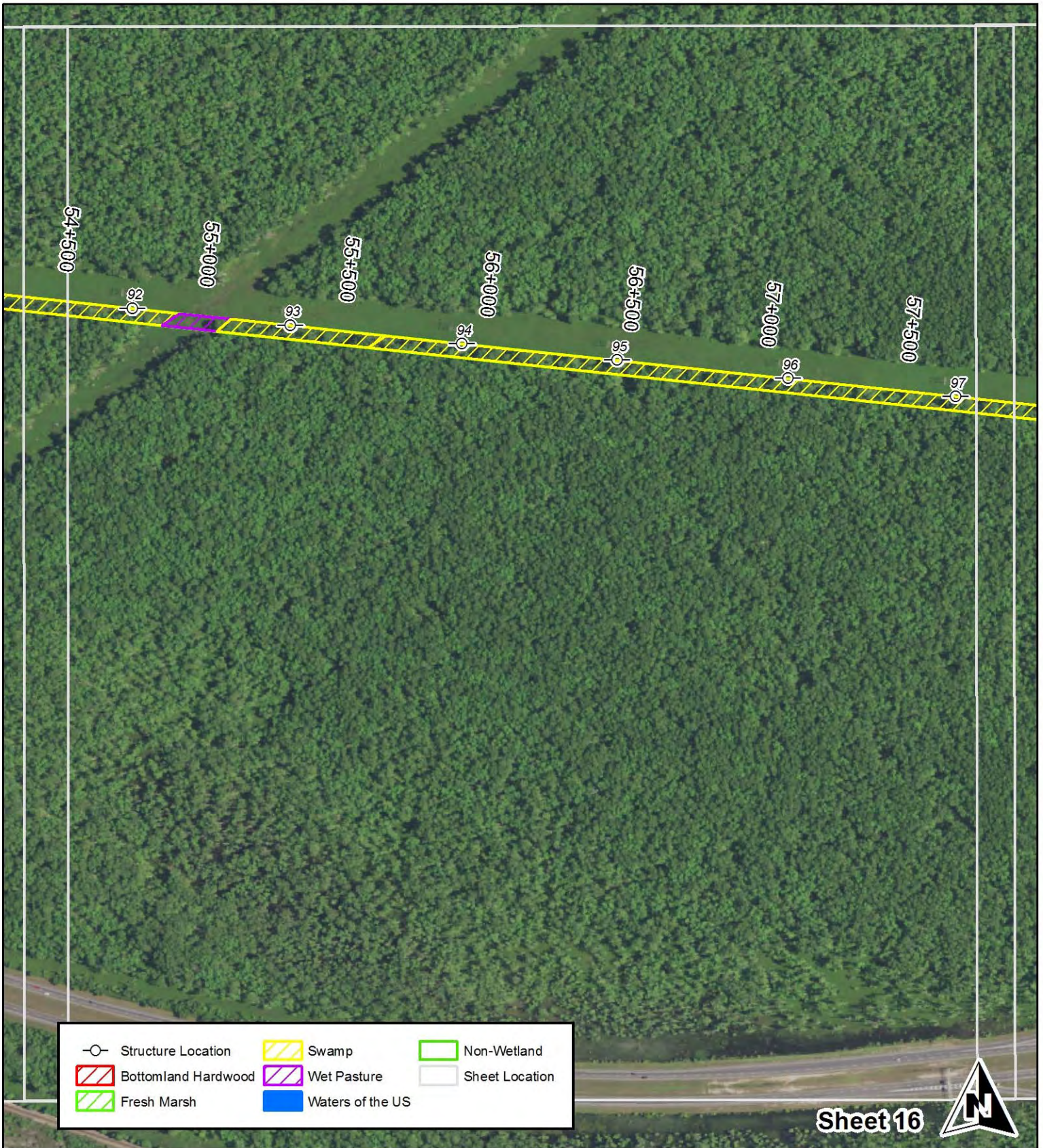
**AERIAL IMAGERY AND HABITAT DETAILS MAP**

Proposed Construction of +/- 11.84 mi. (+/- 62,523.14 ft.) of Bayou Vista to Amelia Transmission Line, Improvements and Expansion of Existing Bayou Vista Substation

**Cleco Power LLC**

LOCATION: T-16-S R-12-E & T-16-S, R-13-E  
 PARISH: St. Mary  
 APPLICATION BY: Cleco Power LLC  
 DATE: February 15, 2017

Coastal Environments, Inc.  
 Baton Rouge, LA.....225.383.7455

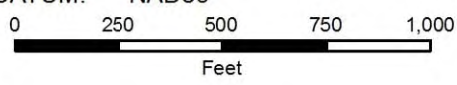


Sheet 16



**Page 18A**

PURPOSE: Improved Electrical Service to Customer Base  
 SOURCE: Ampirical Solutions, LLC & CEI Field Survey  
 MAP BASE: Cleco ROW Data & USDA-NAIP 2015 True Color Imagery  
 DATUM: NAD83



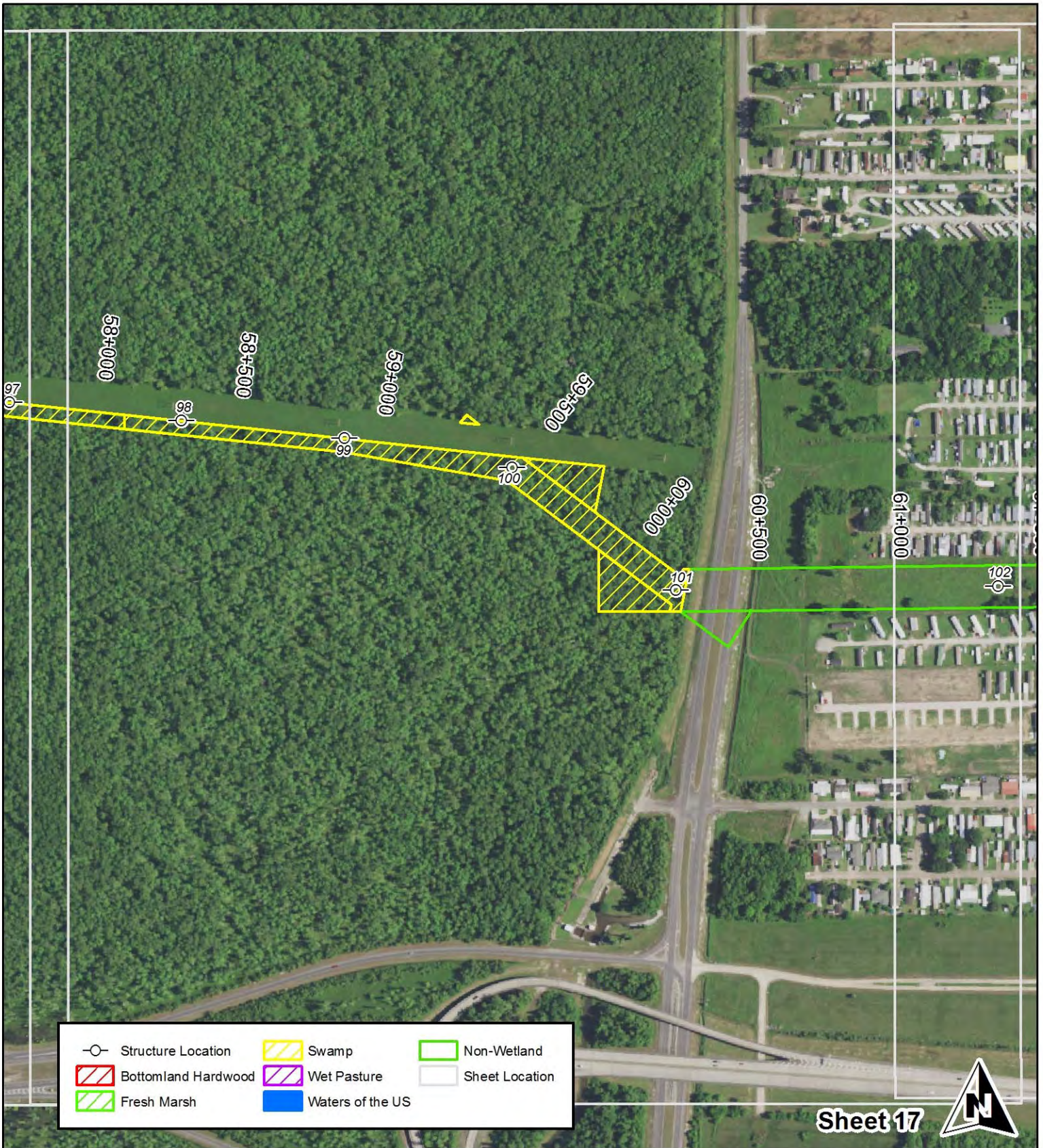
**AERIAL IMAGERY AND HABITAT DETAILS MAP**

Proposed Construction of +/- 11.84 mi. (+/- 62,523.14 ft.) of Bayou Vista to Amelia Transmission Line, Improvements and Expansion of Existing Bayou Vista Substation

**Cleco Power LLC**

LOCATION: T-16-S R-12-E & T-16-S, R-13-E  
 PARISH: St. Mary  
 APPLICATION BY: Cleco Power LLC  
 DATE: February 15, 2017

**Coastal Environments, Inc.**  
 Baton Rouge, LA.....225.383.7455



	Structure Location		Swamp		Non-Wetland
	Bottomland Hardwood		Wet Pasture		Sheet Location
	Fresh Marsh		Waters of the US		

Sheet 17

**Page 19A**  
 PURPOSE: Improved Electrical Service to Customer Base  
 SOURCE: Ampirical Solutions, LLC & CEI Field Survey  
 MAP BASE: Cleco ROW Data & USDA-NAIP 2015 True Color Imagery  
 DATUM: NAD83

0 250 500 750 1,000  
 Feet

**AERIAL IMAGERY AND HABITAT DETAILS MAP**

Proposed Construction of +/- 11.84 mi. (+/- 62,523.14 ft.) of Bayou Vista to Amelia Transmission Line, Improvements and Expansion of Existing Bayou Vista Substation

**Cleco Power LLC**

LOCATION: T-16-S R-12-E & T-16-S, R-13-E  
 PARISH: St. Mary  
 APPLICATION BY: Cleco Power LLC  
 DATE: February 15, 2017

**Coastal Environments, Inc.**  
 Baton Rouge, LA.....225.383.7455



	Structure Location		Swamp		Non-Wetland
	Bottomland Hardwood		Wet Pasture		Sheet Location
	Fresh Marsh		Waters of the US		

Sheet 18

**Page 20A**  
 PURPOSE: Improved Electrical Service to Customer Base  
 SOURCE: Ampirical Solutions, LLC & CEI Field Survey  
 MAP BASE: Cleco ROW Data & USDA-NAIP 2015 True Color Imagery  
 DATUM: NAD83

**AERIAL IMAGERY AND HABITAT DETAILS MAP**

Proposed Construction of +/- 11.84 mi. (+/- 62,523.14 ft.) of Bayou Vista to Amelia Transmission Line, Improvements and Expansion of Existing Bayou Vista Substation

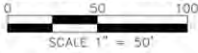
**Cleco Power LLC**

LOCATION: T-16-S R-12-E & T-16-S, R-13-E  
 PARISH: St. Mary  
 APPLICATION BY: Cleco Power LLC  
 DATE: February 15, 2017

**Coastal Environments, Inc.**  
 Baton Rouge, LA.....225.383.7455

**PLAN VIEW**

**WETLANDS EXHIBIT**

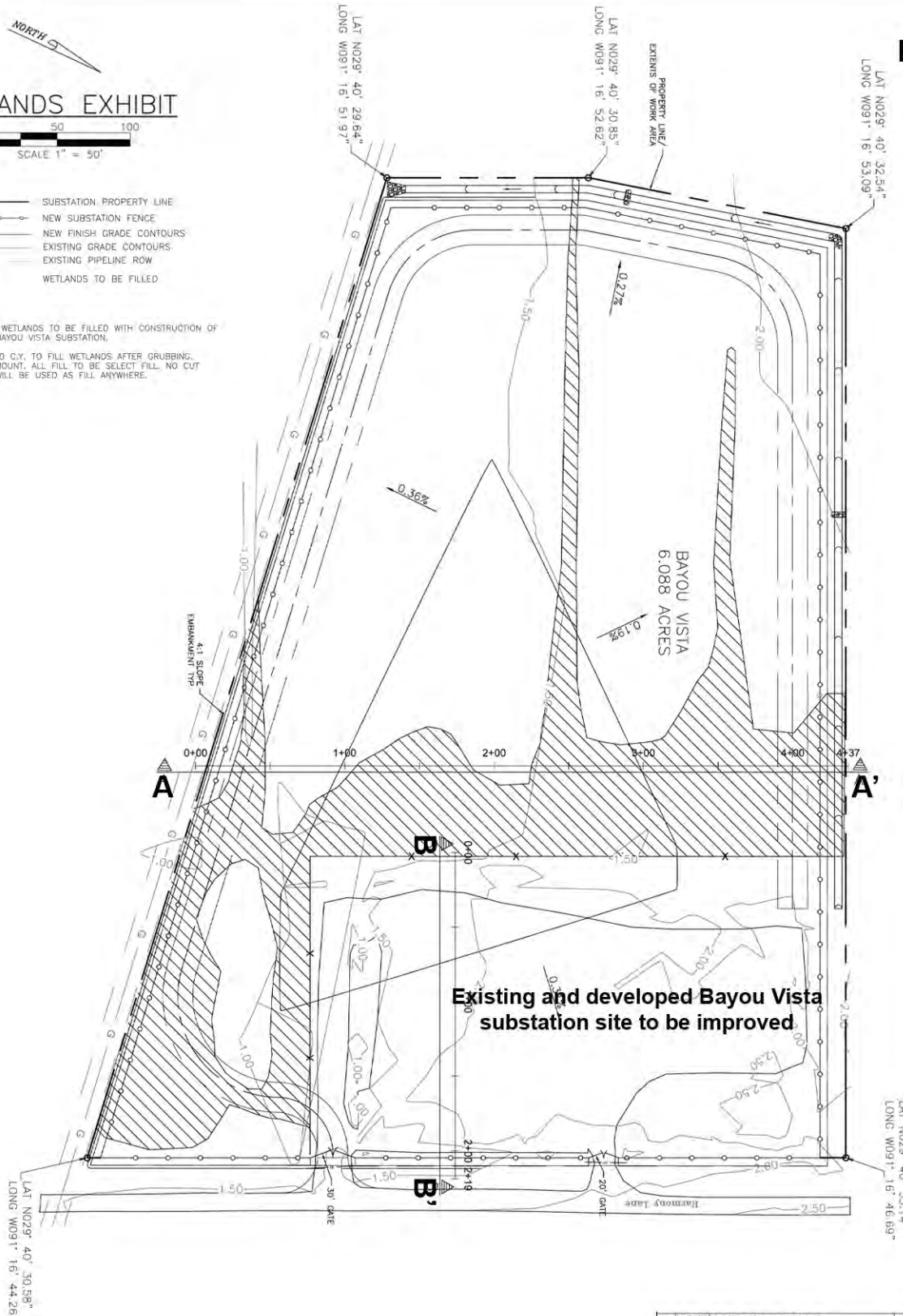


**LEGEND**

- SUBSTATION PROPERTY LINE
- NEW SUBSTATION FENCE
- NEW FINISH GRADE CONTOURS
- EXISTING GRADE CONTOURS
- EXISTING PIPELINE ROW
- WETLANDS TO BE FILLED

**NOTES:**

1. 1.491 ACRES OF WETLANDS TO BE FILLED WITH CONSTRUCTION OF THE PROPOSED BAYOU VISTA SUBSTATION.
2. MAXIMUM OF 2200 C.Y. TO FILL WETLANDS AFTER GRUBBING. UNCOMPACTED AMOUNT. ALL FILL TO BE SELECT FILL. NO CUT FROM THE SITE WILL BE USED AS FILL ANYWHERE.



FOR REFERENCE ONLY



<b>CLECO</b> PINEVILLE, LOUISIANA	
BAYOU VISTA 230/138/34.5kV SUB	
WETLANDS EXHIBIT	
PROPERTY LAYOUT	
DRAFTING: RW	PROJECT: 1018000002 02 03
ENGINEER: RW	DATE: 09/16
APPROVAL: RW	SCALE: 1"=50'

REV	DATE	DESCRIPTION	BY	CHK	APP
R1	01/26/17	REVISED SECT A-A AND PLAN VIEW	RW		
R	01/19/17	BAYOU VISTA WETLANDS EXHIBIT	RW		
REV	DATE	DESCRIPTION	BY	CHK	APP

**Page 21**

**PURPOSE:** Improved Electrical Service to Customer Base  
**SOURCE:** Cleco Power LLC & Ampirical Solutions, LLC  
**MAP BASE:** Cross Section  
**DATUM:** Varies

**BAYOU VISTA SUBSTATION EXPANSION PLAN VIEW**

Proposed Construction of +/- 11.84 mi. (+/- 62,523.14 ft.) of Bayou Vista to Amelia Transmission Line, Improvements and Expansion of Existing Bayou Vista Substation

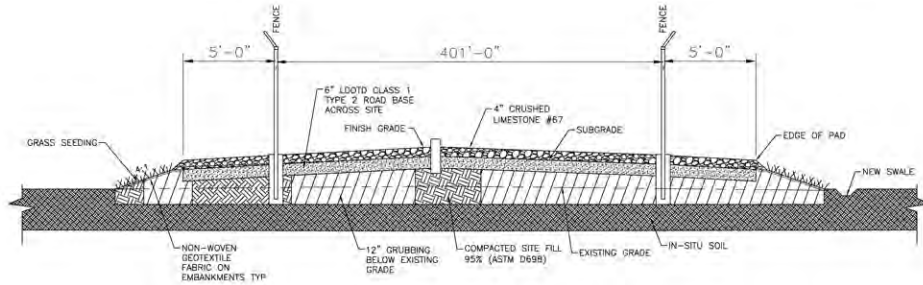
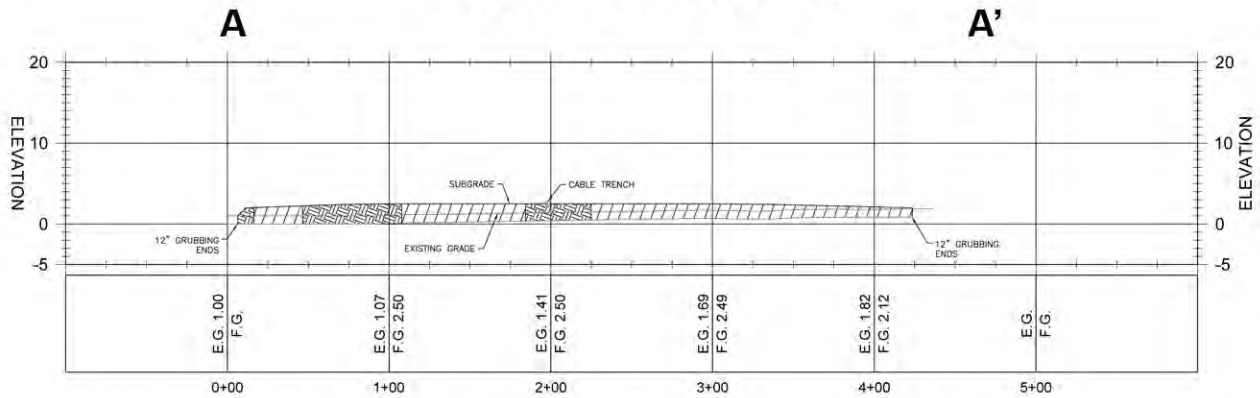
**Cleco Power LLC**

**LOCATION:** T-16-S R-12-E & T-16-S, R-13-E  
**PARISH:** St. Mary  
**APPLICATION BY:** Cleco Power LLC  
**DATE:** January 27, 2017

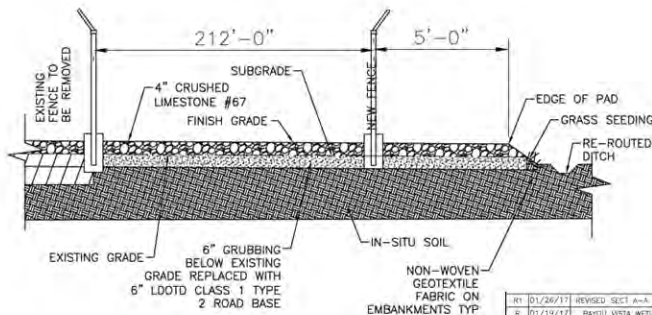
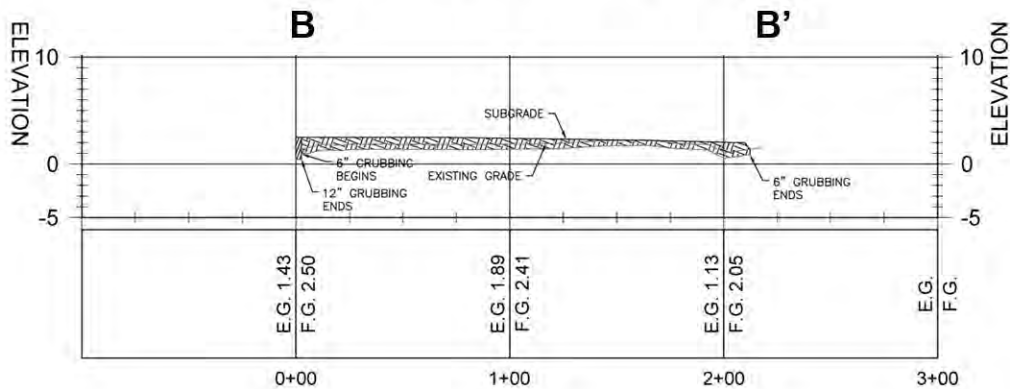
**Coastal Environments, Inc.**  
 Baton Rouge, LA.....225.383.7455



# CROSS SECTION A - A'



# CROSS SECTION B - B'



FOR REFERENCE ONLY



**CLECO** PINEVILLE, LOUISIANA  
 BAYOU VISTA 230/138/34.5KV SUB  
 WETLANDS EXHIBIT  
 PROPERTY LAYOUT  
 DRAWING NO: 1170 02 - EXHIBIT 2  
 DATE: 01/26/17  
 SCALE: 1\"/>

REV	DATE	DESCRIPTION	BY	CHK
R	01/26/17	REVISED SECT A-A AND PLAN VIEW	RSB	
R	01/19/17	BAYOU VISTA WETLANDS EXHIBIT	RSB	
REV	02/01/17		RSB	

## Page 22

**PURPOSE:** Improved Electrical Service to Customer Base  
**SOURCE:** Cleco Power LLC & Ampirical Solutions, LLC  
**MAP BASE:** Cross Section  
**DATUM:** Varies

## BAYOU VISTA SUBSTATION EXANSION CROSS SECTION

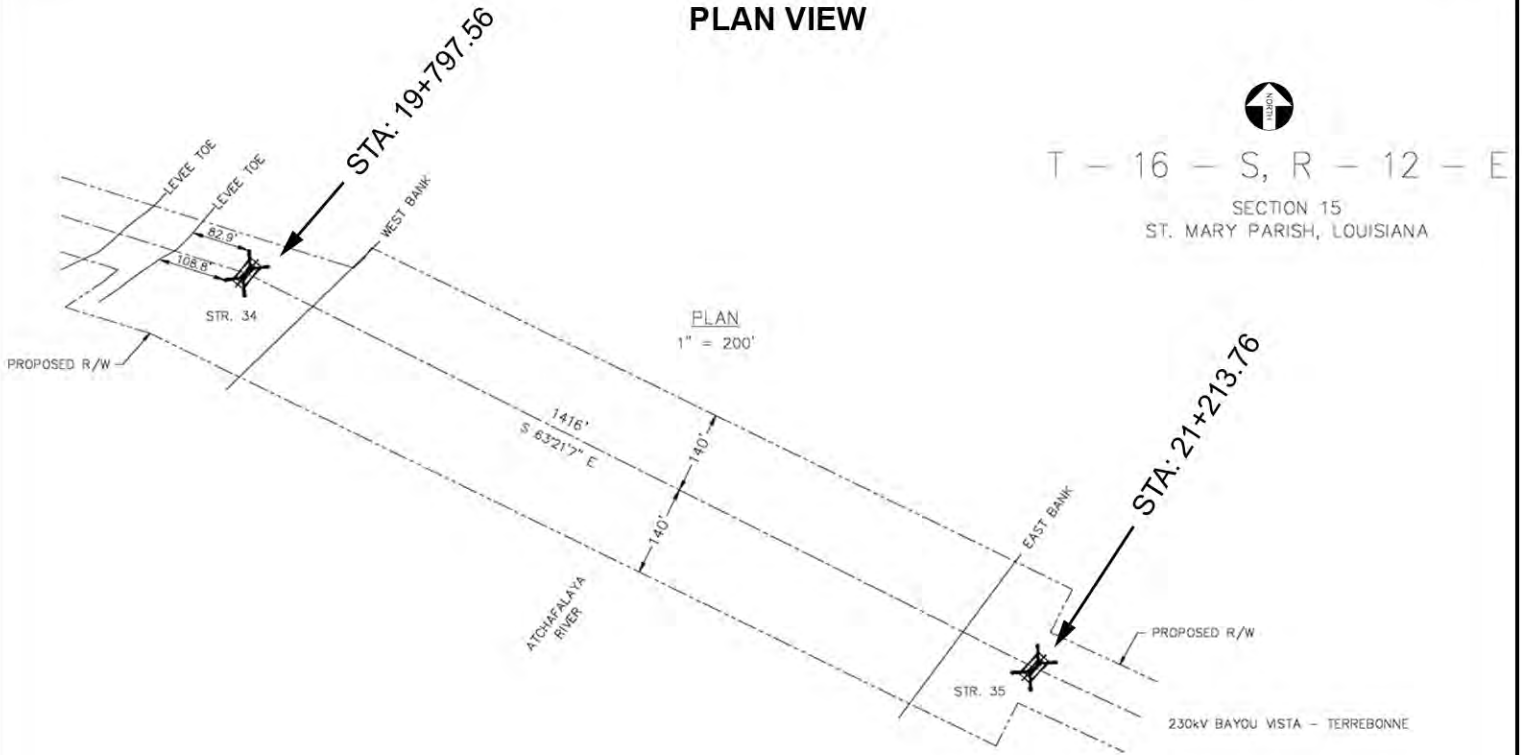
Proposed Construction of +/- 11.84 mi. (+/- 62,523.14 ft.) of Bayou Vista to Amelia Transmission Line, Improvements and Expansion of Existing Bayou Vista Substation

## Cleco Power LLC

**LOCATION:** T-16-S R-12-E & T-16-S, R-13-E  
**PARISH:** St. Mary  
**APPLICATION BY:** Cleco Power LLC  
**DATE:** January 27, 2017

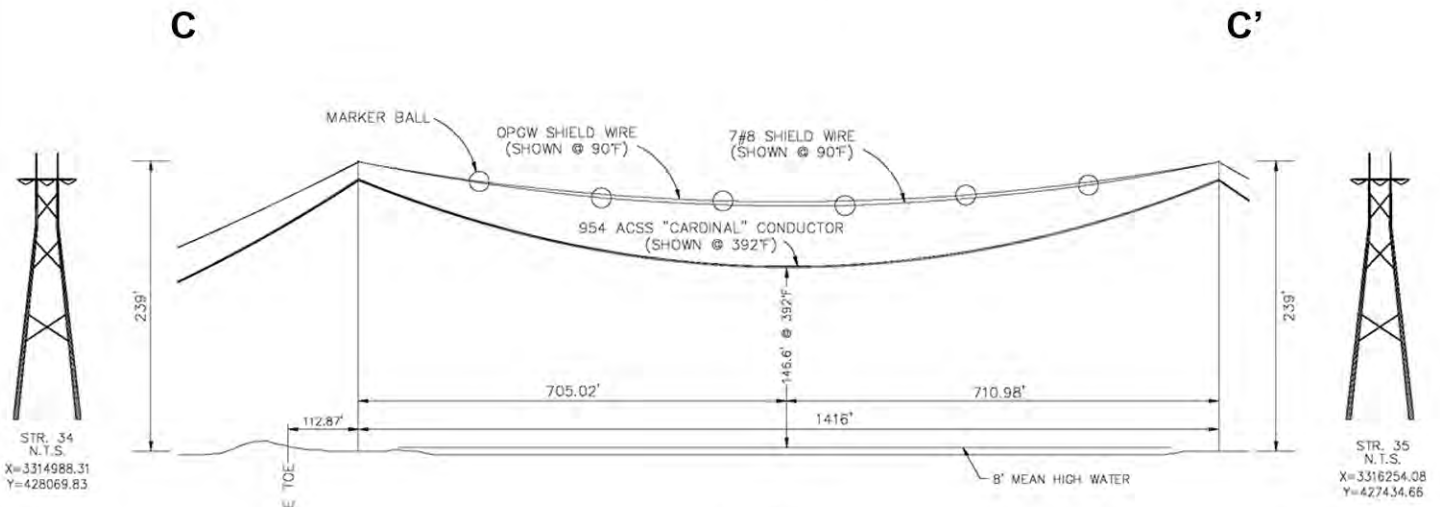
**Coastal Environments, Inc.**  
 Baton Rouge, LA.....225.383.7455

**PLAN VIEW**



T - 16 - S, R - 12 - E  
SECTION 15  
ST. MARY PARISH, LOUISIANA

**SECTION C - C'**



ELEVATION  
1" = 200' HOR.  
1" = 100' VERT.

<b>CLECO</b>		PENSACOLA, LOUISIANA	
BAYOU VISTA - TERREBONNE ATCHAFALAYA RIVER CROSSING PERMIT DRAWING			
230KV TRANSMISSION LINE			
DRAFTING: MN	DESIGN: MN	PROJ/ACT: XXXXXXXX	DATE: 01/2017
ENGINEER: MN	APPROVAL: MN	SCALE: 1" = 200'-0"	DRAWING NO: XXXXXX
REVISION: 0	DATE: 01/2017	BY: MN	CHECKED: MN
ISSUED FOR APPROVAL		REV	DATE
DESCRIPTION		ENG	DATE
DRAWING NO: XXXXXX		REVISION: 0	SHEET NO. 1 OF 1

**Page 23**

**PLAN VIEW AND  
TYPICAL CROSS SECTIONS**

**Proposed 280' Crossing  
of Atchafalaya River**

Proposed Construction of +/- 11.84 mi.  
(+/- 62,523.14 ft.) of Bayou Vista to Amelia  
Transmission Line, Improvements and  
Expansion of Existing Bayou Vista Substation

**Cleco Power LLC**

LOCATION: T-16-S R-12-E &  
T-16-S, R-13-E  
PARISH: St. Mary  
APPLICATION BY: Cleco Power LLC  
DATE: January 27, 2017

**Coastal Environments, Inc.**  
Baton Rouge, LA.....225.383.7455

PURPOSE: Improved Electrical  
Service to Customer Base

SOURCE: Cleco Power LLC &  
Ampirical Solutions, LLC

MAP BASE: Plan and Cross Section

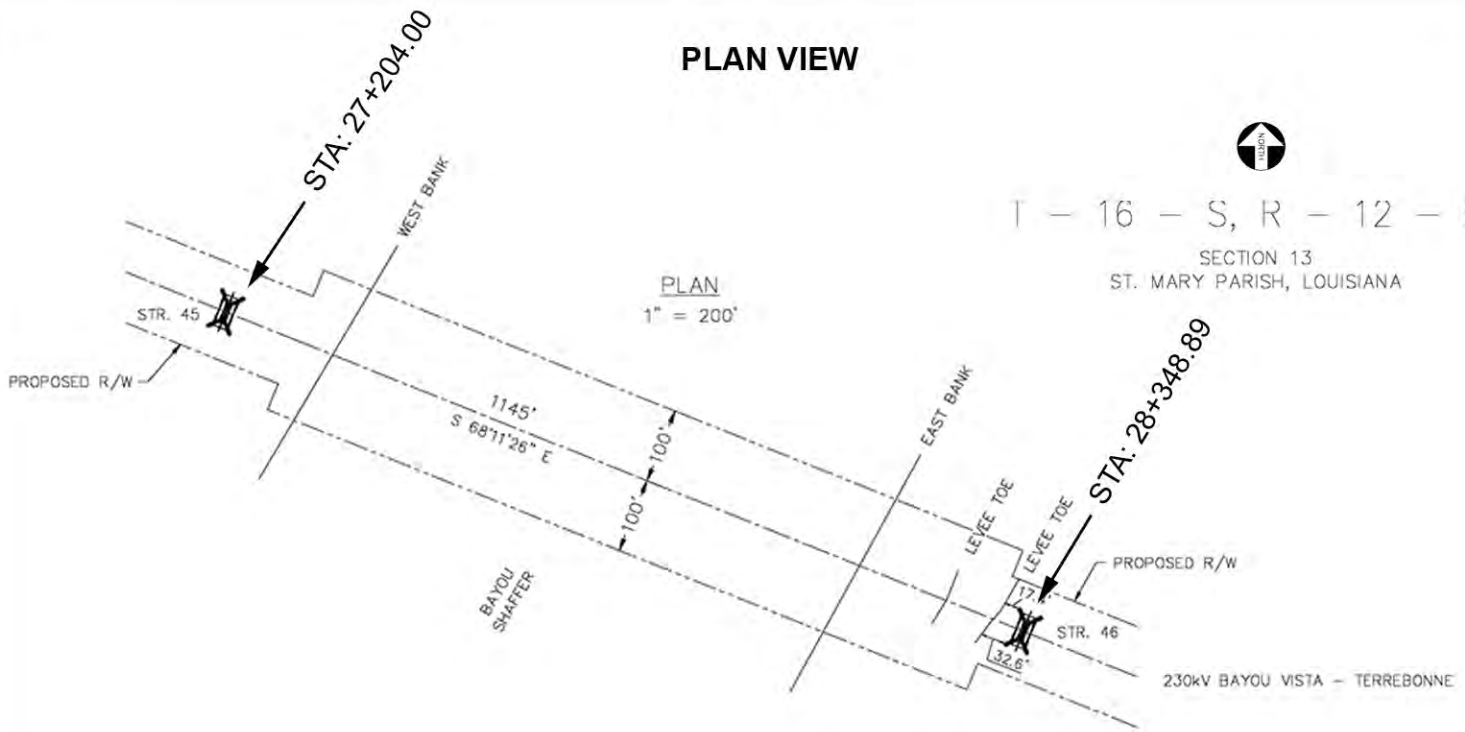
DATUM: Varies

DATUM (NAD83)  
LOUISIANA STATE PLANE  
SOUTH ZONE, U.S. SURVEY FOOT

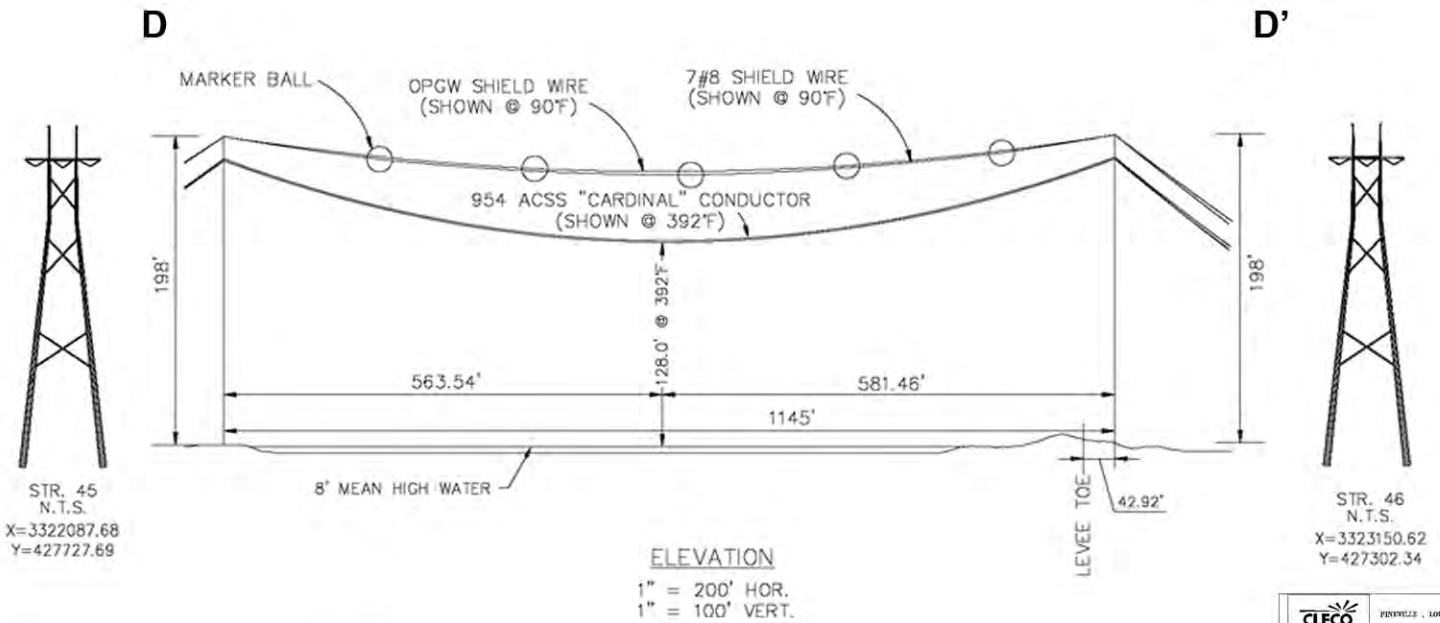
STR. 34  
N.T.S.  
X=3314988.31  
Y=428069.83

STR. 35  
N.T.S.  
X=3316254.08  
Y=427434.66

**PLAN VIEW**



**SECTION D - D'**



DATUM (NAD83)  
LOUISIANA STATE PLANE  
SOUTH ZONE, U.S. SURVEY FOOT

<b>CLECO</b> MISSISSIPPI, LOUISIANA	
BAYOU VISTA - TERREBONNE BAYOU SHAFFER CROSSING PERMIT DRAWING 230KV TRANSMISSION LINE	
DRAWING: RN	PROJ/ACT: XXXXXXXXX
ENGINEER: MM	DATE: 01/20/17
APPROVAL: MM	SCALE: 1" = 200'-0"

01/17	ISSUED FOR APPROVAL	MM	MM	DRAWING NO: XXXXXX
REV DATE	PRG	DESCRIPTION	DTT (ENG) APR	REVISION: 0

**Page 24**

**PURPOSE:** Improved Electrical Service to Customer Base  
**SOURCE:** Cleco Power LLC & Ampirical Solutions, LLC  
**MAP BASE:** Plan and Cross Section  
**DATUM:** Varies

**PLAN VIEW AND TYPICAL CROSS SECTIONS**

**Proposed 200' Crossing of Bayou Shaffer**  
 Proposed Construction of +/- 11.84 mi. (+/- 62,523.14 ft.) of Bayou Vista to Amelia Transmission Line, Improvements and Expansion of Existing Bayou Vista Substation

**Cleco Power LLC**

**LOCATION:** T-16-S R-12-E & T-16-S, R-13-E  
**PARISH:** St. Mary  
**APPLICATION BY:** Cleco Power LLC  
**DATE:** January 27, 2017

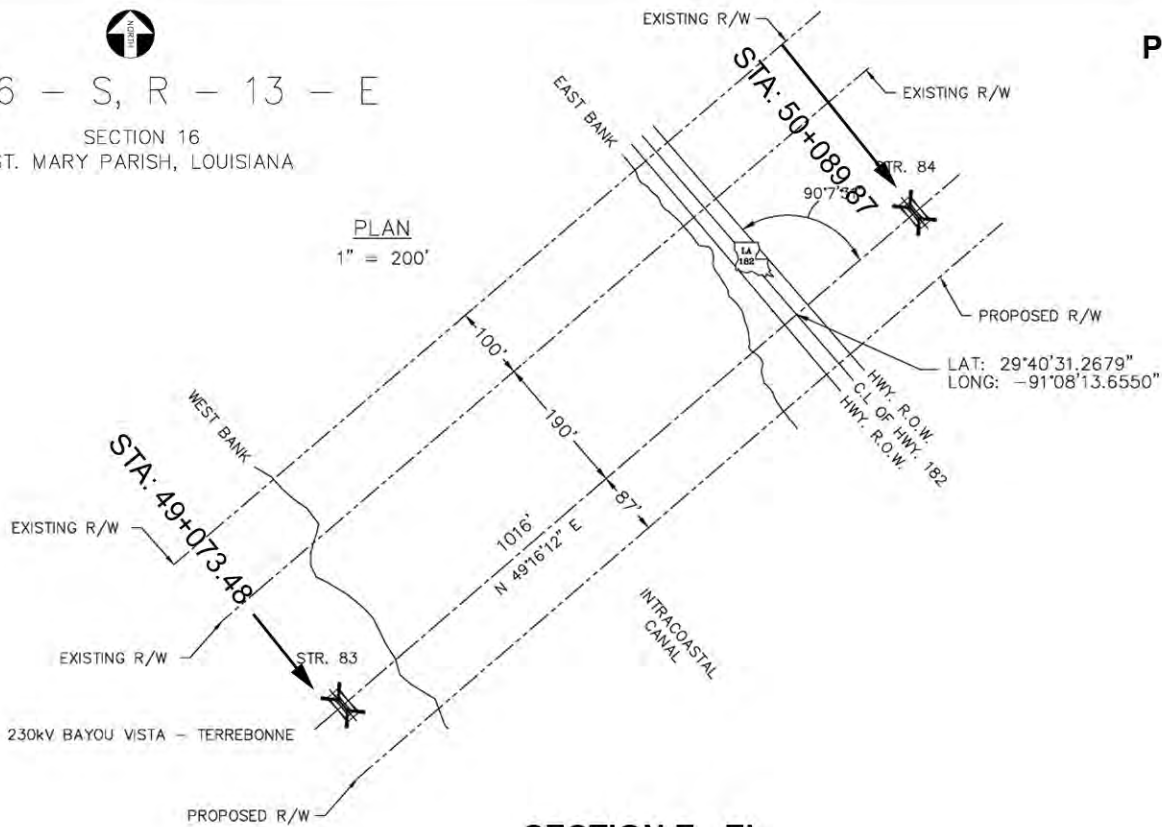
**Coastal Environments, Inc.**  
 Baton Rouge, LA.....225.383.7455



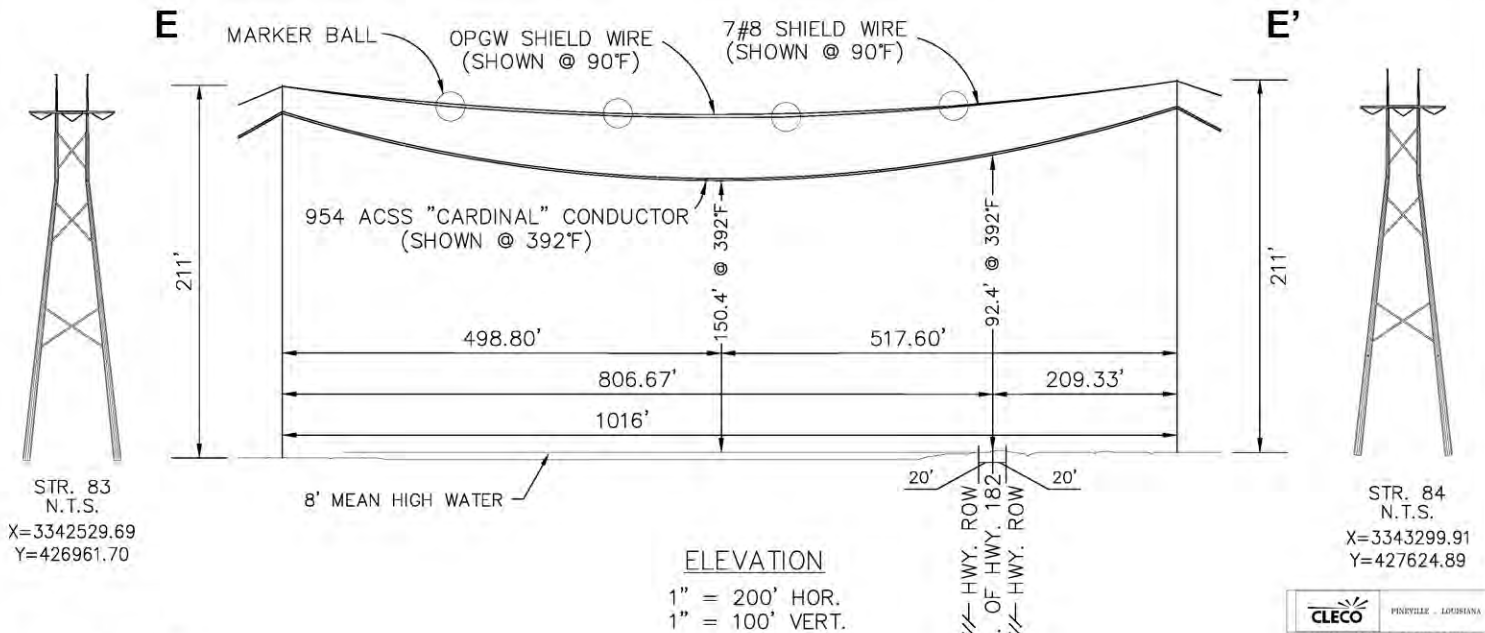
T - 16 - S, R - 13 - E

SECTION 16  
ST. MARY PARISH, LOUISIANA

### PLAN VIEW



### SECTION E - E'



**ELEVATION**  
 1" = 200' HOR.  
 1" = 100' VERT.

STR. 83  
 N.T.S.  
 X=3342529.69  
 Y=426961.70

STR. 84  
 N.T.S.  
 X=3343299.91  
 Y=427624.89

DATUM (NAD83)  
 LOUISIANA STATE PLANE  
 SOUTH ZONE, U.S. SURVEY FOOT

<b>CLECO</b> PINYVILLE, LOUISIANA	
BAYOU VISTA - TERREBONNE INTRACOASTAL CANAL CROSSING PERMIT DRAWING	
DATE: 01/27/2017	PROJECT: 230KV TRANSMISSION LINE
SCALE: 1" = 200'-0"	APPROVAL: XXXXX
ISSUED FOR APPROVAL	REVISION: 0
SHEET NO. 5 OF 1	

### Page 25

## PLAN VIEW AND TYPICAL CROSS SECTIONS

### Proposed 277' Crossing of Intracoastal Canal

Proposed Construction of +/- 11.84 mi.  
 (+/- 62,523.14 ft.) of Bayou Vista to Amelia  
 Transmission Line, Improvements and  
 Expansion of Existing Bayou Vista Substation

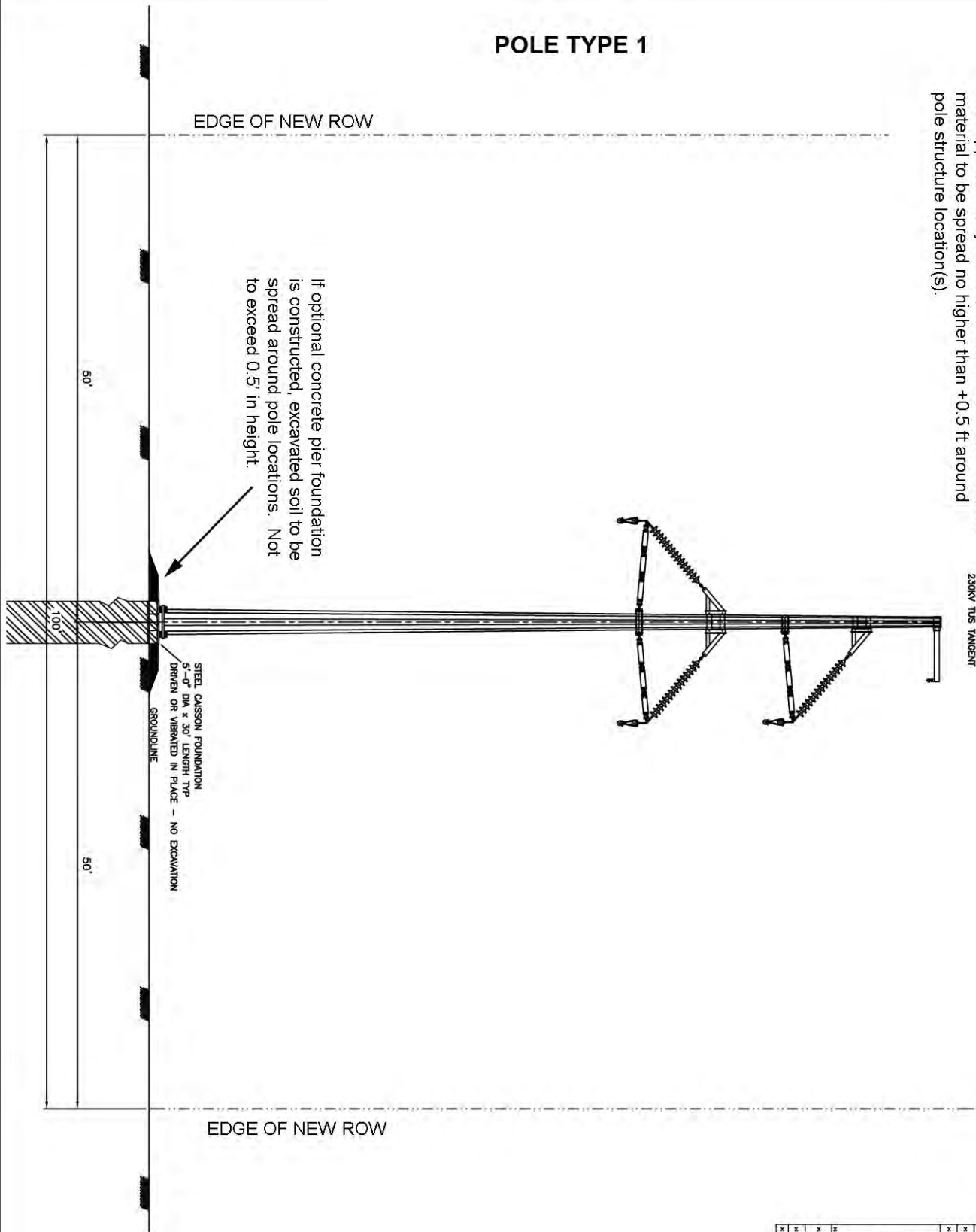
### Cleco Power LLC

LOCATION: T-16-S R-12-E &  
 T-16-S, R-13-E  
 PARISH: St. Mary  
 APPLICATION BY: Cleco Power LLC  
 DATE: January 27, 2017

**Coastal Environments, Inc.**  
 Baton Rouge, LA.....225.383.7455

PURPOSE: Improved Electrical  
 Service to Customer Base  
 SOURCE: Cleco Power LLC &  
 Ampirical Solutions, LLC  
 MAP BASE: Plan and Cross Section  
 DATUM: Varies

# POLE TYPE 1



Note: If site conditions warrant, a maximum total of +/- 177.54 cu yds of native material may be excavated from Pole Structures 3 & 4 to be replaced with approximately same amount of concrete. Earthen material to be spread no higher than +0.5 ft around pole structure location(s).

230KV T1S TANGENT

<b>CLECO</b> POWERLINE, LOUISIANA	
TERREBONE - BAYOU VISTA 230KV TRANSMISSION LINE	
PRIMARY CROSS SECTION NEW 100' ROW	
DRAWING: WJM	PROJ: X
ENGINEER: WJM	DATE: 1/2017
APPROVAL: WJM	SCALE: 1"=3'-0"
DRAWING NO: TB - EV TYP ROW CS 1	REVISION: 0
SHEET NO: 1	

REV	DATE	NO.	DESCRIPTION	BY	CHK	APP	REVISION	0	SHEET NO:
									1

## Page 26

**PURPOSE:** Improved Electrical Service to Customer Base  
**SOURCE:** Cleco Power LLC & Ampirical Solutions, LLC  
**MAP BASE:** Cross Section  
**DATUM:** Varies

## TYPICAL POLE CROSS SECTION

Pole Type 1

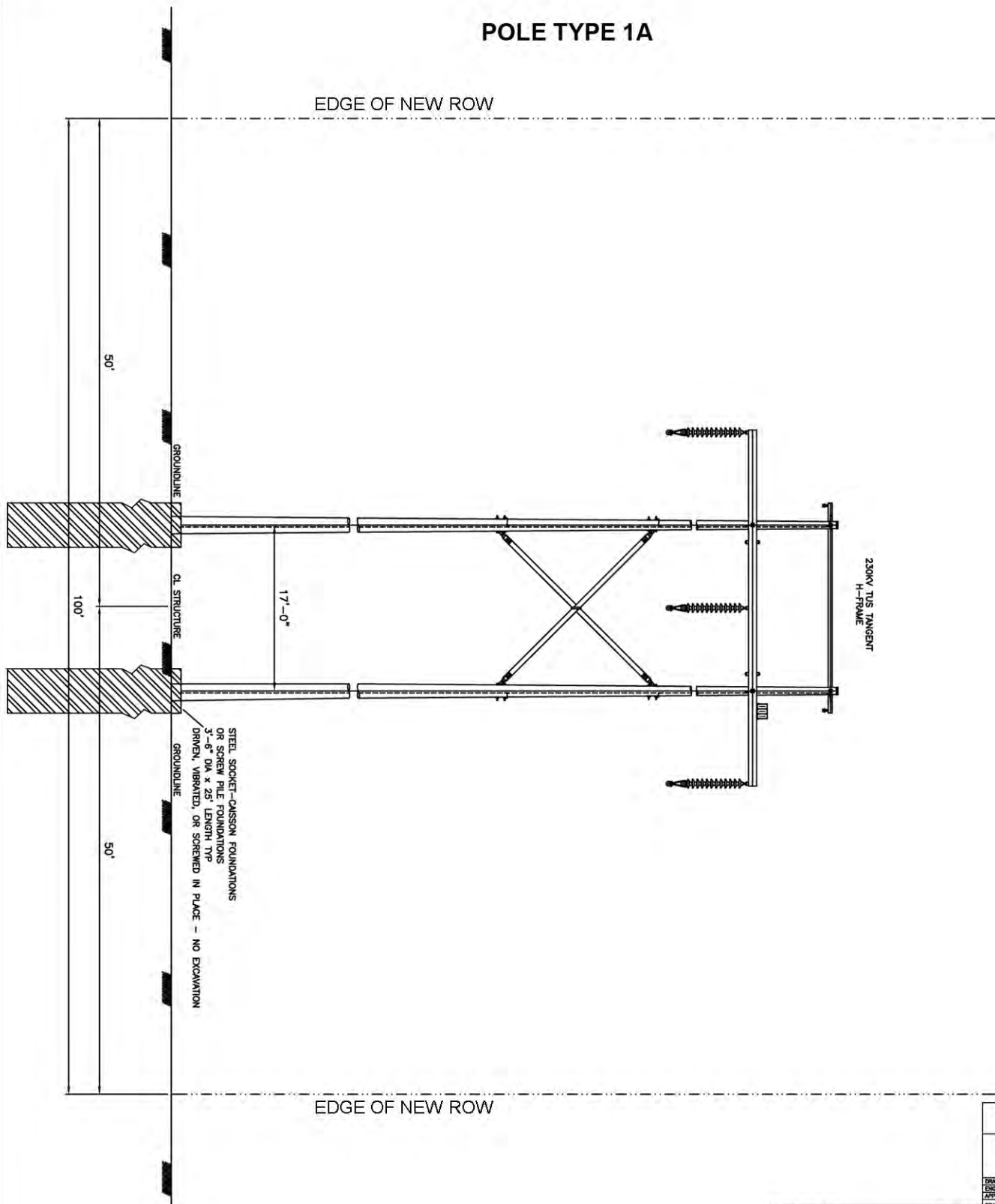
Proposed Construction of +/- 11.84 mi. (+/- 62,523.14 ft.) of Bayou Vista to Amelia Transmission Line, Improvements and Expansion of Existing Bayou Vista Substation

## Cleco Power LLC

**LOCATION:** T-16-S R-12-E & T-16-S, R-13-E  
**PARISH:** St. Mary  
**APPLICATION BY:** Cleco Power LLC  
**DATE:** January 27, 2017

**Coastal Environments, Inc.**  
 Baton Rouge, LA.....225.383.7455

# POLE TYPE 1A



<b>CLECO</b> POWERLINE, LOUISIANA	
TERREBONE - BAYOU VISTA 230KV TRANSMISSION LINE	
PRIMARY CROSS SECTION NEW 100' ROW	
DRAWING NO: TB - BV TYP ROW CS 1A	SCALE: 1"=3'-0"
DATE: 1/2017	REVISION: 0
SHEET NO: 1	

X	X	X	X	X	X	X	X	X	X
REV	DATE	BY	CHKD	APPD	DESCRIPTION	QTY	ENG	APP	REVISION

## Page 27

**PURPOSE:** Improved Electrical Service to Customer Base  
**SOURCE:** Cleco Power LLC & Ampirical Solutions, LLC  
**MAP BASE:** Cross Section  
**DATUM:** Varies

## TYPICAL POLE CROSS SECTION

### Pole Type 1A

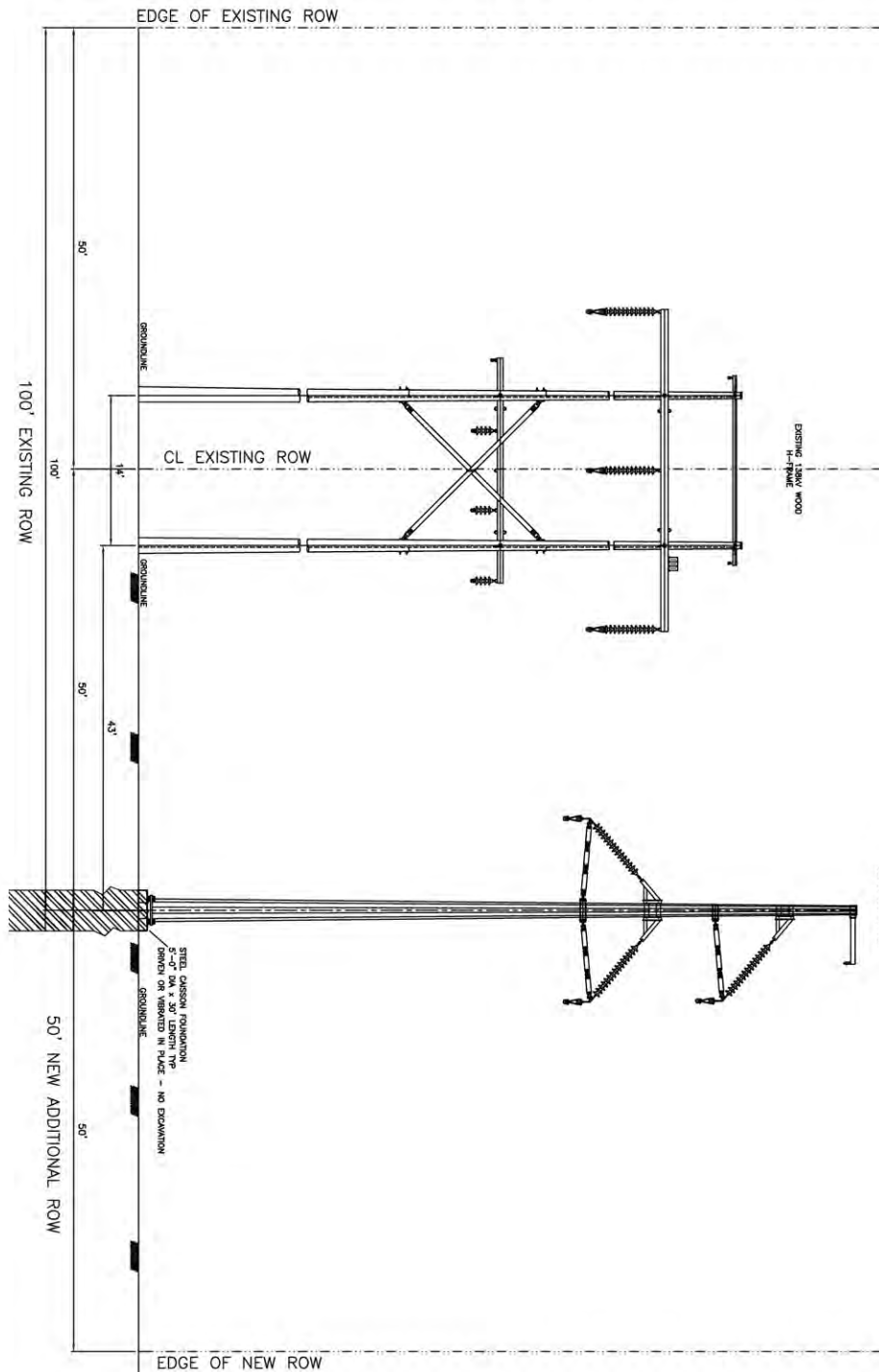
Proposed Construction of +/- 11.84 mi. (+/- 62,523.14 ft.) of Bayou Vista to Amelia Transmission Line, Improvements and Expansion of Existing Bayou Vista Substation

## Cleco Power LLC

**LOCATION:** T-16-S R-12-E & T-16-S, R-13-E  
**PARISH:** St. Mary  
**APPLICATION BY:** Cleco Power LLC  
**DATE:** January 27, 2017

**Coastal Environments, Inc.**  
 Baton Rouge, LA.....225.383.7455

# POLE TYPE 2



<b>CLECO</b> PINEVILLE, LOUISIANA	
TERREBONE - BAYOU VISTA 230KV TRANSMISSION LINE	
PRIMARY CROSS SECTION ADDITIONAL 50' ROW	
DRAWING: MTH	PROJ: X
ENGINEER: MTH	DATE: 1/2017
APPROVAL: MLL	SCALE: 1"=3'-0"
DRAWING NO: TB -	BY TYP ROW CS 2
REVISION: 0	SHEET NO: 1

X	X	X	X	X	X	X	X	X
REV	DATE	NO.	DESCRIPTION	OFF	ENG	APP	REVISION	0

## Page 28

**PURPOSE:** Improved Electrical Service to Customer Base

**SOURCE:** Cleco Power LLC & Ampirical Solutions, LLC

**MAP BASE:** Cross Section

**DATUM:** Varies

## TYPICAL POLE CROSS SECTION

### Pole Type 2

Proposed Construction of +/- 11.84 mi. (+/- 62,523.14 ft.) of Bayou Vista to Amelia Transmission Line, Improvements and Expansion of Existing Bayou Vista Substation

## Cleco Power LLC

**LOCATION:** T-16-S R-12-E & T-16-S, R-13-E

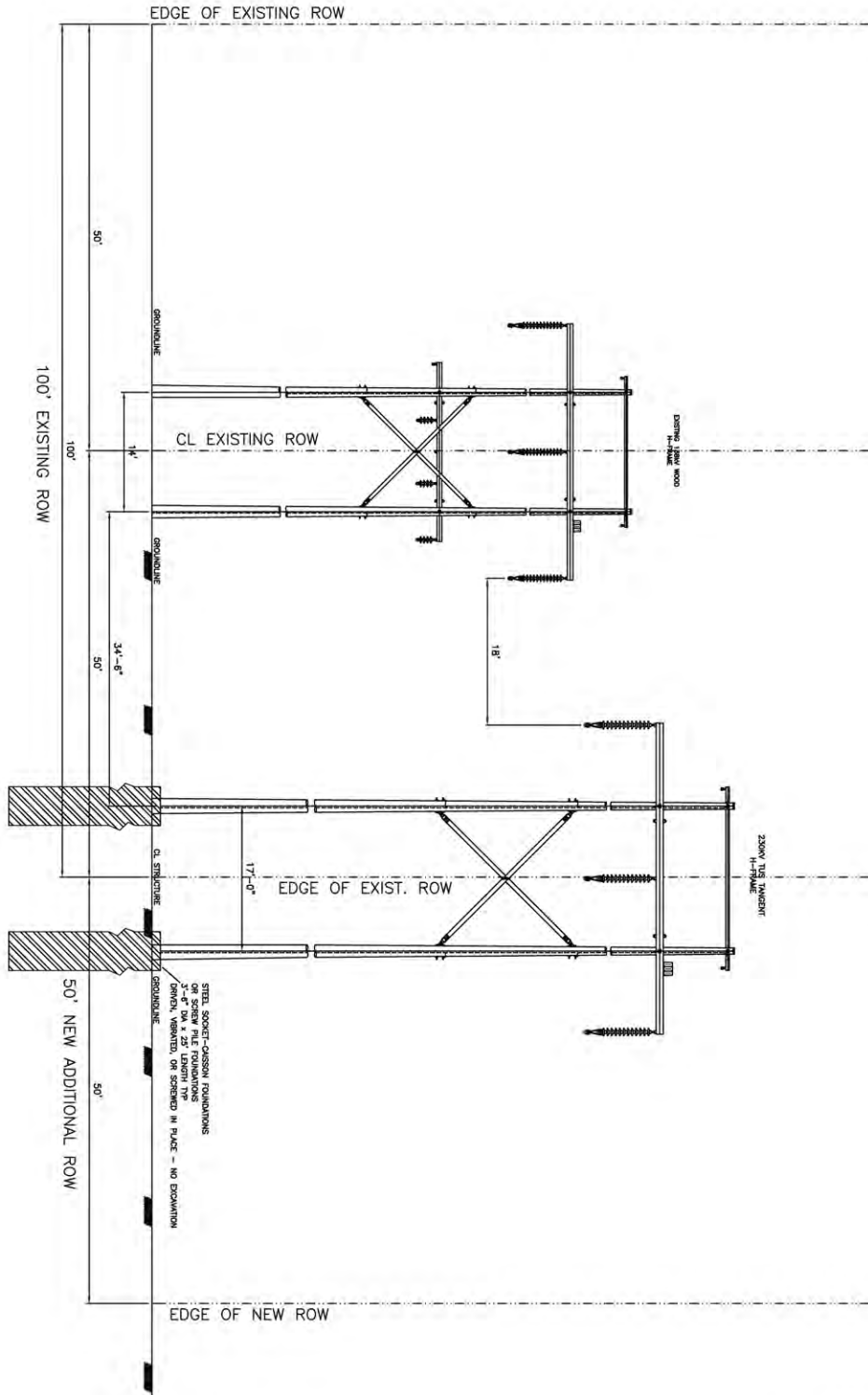
**PARISH:** St. Mary

**APPLICATION BY:** Cleco Power LLC

**DATE:** January 27, 2017

**Coastal Environments, Inc.**  
Baton Rouge, LA.....225.383.7455

# POLE TYPE 2A



STEEL SOCKET-CASSON FOUNDATIONS  
OR SREW PILE FOUNDATIONS  
3'-6" DIA. X 25' LENGTH TYP.  
SPRINK. TANKETS OR SCREEDS IN PLACE - NO DISMANTL

<b>CLECO</b> PINEVILLE, LOUISIANA	
TERREBONE - BAYOU VISTA 230KV TRANSMISSION LINE	
PRIMARY CROSS SECTION ADDITIONAL 50' ROW	
DRAFTING: MFM	PROJ: 2
ENGINEER: MFM	DATE: 1/20/17
APPROVAL: WLL	SCALE: 1"=5'-0"
DRAWING NO: TB - BV TYP ROW CS 2A	
REVISION: 0	SHEET NO: 1

X	X	X	X	X	X	X	X	X	X
REV	DATE	NO		DESCRIPTION	EST	ENG	APP	REVISION	SHEET NO

## Page 29

**PURPOSE:** Improved Electrical Service to Customer Base  
**SOURCE:** Cleco Power LLC & Ampirical Solutions, LLC  
**MAP BASE:** Cross Section  
**DATUM:** Varies

## TYPICAL POLE CROSS SECTION

### Pole Type 2A

Proposed Construction of +/- 11.84 mi. (+/- 62,523.14 ft.) of Bayou Vista to Amelia Transmission Line, Improvements and Expansion of Existing Bayou Vista Substation

## Cleco Power LLC

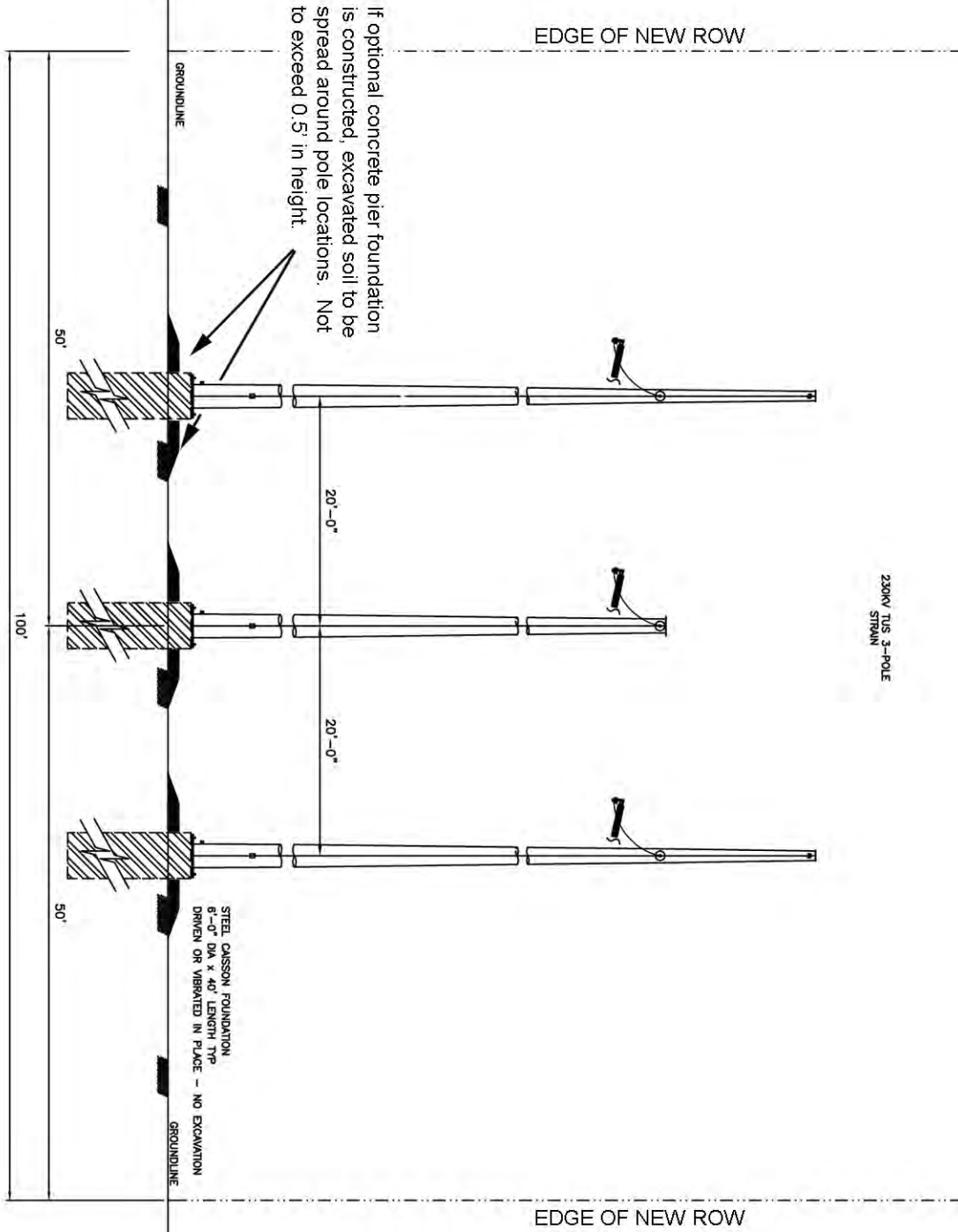
**LOCATION:** T-16-S R-12-E & T-16-S, R-13-E  
**PARISH:** St. Mary  
**APPLICATION BY:** Cleco Power LLC  
**DATE:** January 27, 2017

**Coastal Environments, Inc.**  
 Baton Rouge, LA.....225.383.7455



# POLE TYPE 3

Note: If site conditions warrant, a maximum total of +/- 60.05 cu yds of native material may be excavated from Pole Structures 1, 10, 30 & 102 to be replaced with approximately same amount of concrete. Earthen material to be spread no higher than +0.5 ft around pole structure location.



230KV TUS 3-POLE STRAIN

<b>Cleco</b> POWERLINE, LOUISIANA	
TERREBONE - BAYOU VISTA 230KV TRANSMISSION LINE	
STRAIN STR CROSS SECTION NEW 100' ROW	
DRAWING: WTW	PROJECT: T
ENGINEER: WTW	DATE: 1/2017
APPROVAL: WTW	SCALE: 1"=20'-0"
DRAWING NO: TB - BV TYP ROW CS 3	REVISION: 0
SHEET NO: 1	

REV	DATE	NO	DESCRIPTION	BY	CHK	APP

## Page 30

**PURPOSE:** Improved Electrical Service to Customer Base  
**SOURCE:** Cleco Power LLC & Ampirical Solutions, LLC  
**MAP BASE:** Cross Section  
**DATUM:** Varies

## TYPICAL POLE CROSS SECTION

### Pole Type 3

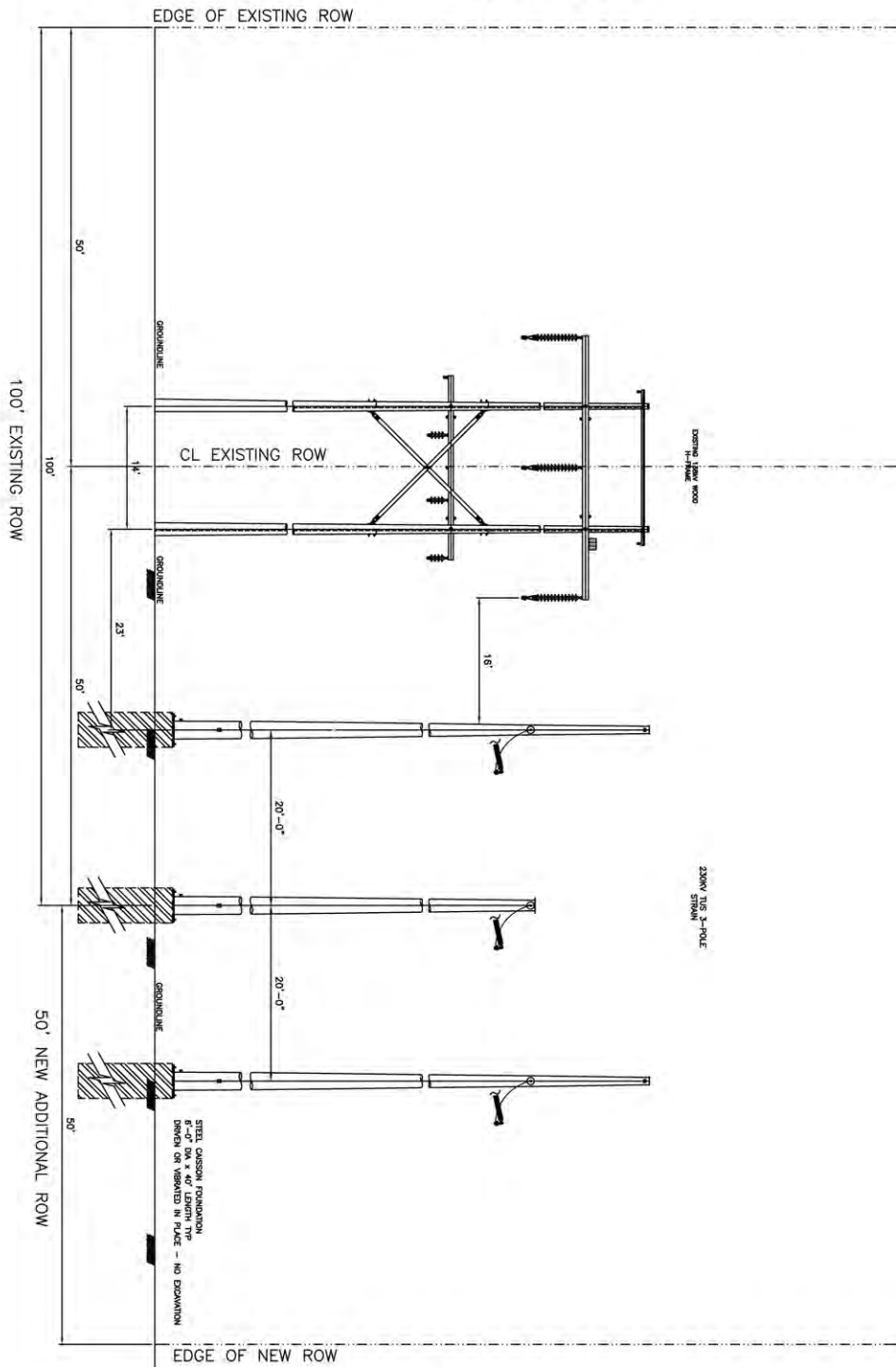
Proposed Construction of +/- 11.84 mi. (+/- 62,523.14 ft.) of Bayou Vista to Amelia Transmission Line, Improvements and Expansion of Existing Bayou Vista Substation

## Cleco Power LLC

**LOCATION:** T-16-S R-12-E & T-16-S, R-13-E  
**PARISH:** St. Mary  
**APPLICATION BY:** Cleco Power LLC  
**DATE:** January 27, 2017

**Coastal Environments, Inc.**  
 Baton Rouge, LA.....225.383.7455

# POLE TYPE 4



**CLECO** PINEBLAKE, LOUISIANA

TERREBONE - BAYOU VISTA  
230KV TRANSMISSION LINE  
STRAIN STR CROSS SECTION  
ADDITIONAL 50' ROW

DRAFTING: MPM	PROJECT: X
ENGINEER: MJK	DATE: 1/2017
APPROVAL: MJK	SCALE: 1"=3'-0"

DRAWING NO: TB - BV TYP ROW CS 4  
REVISION: 0  
SHEET NO: 1

REV	DATE	BY	DESCRIPTION	QTY	ENG	APP	REVISION	SHEET NO
X	X	X	X	X	X	X	0	1

**Page 31**

**PURPOSE:** Improved Electrical Service to Customer Base  
**SOURCE:** Cleco Power LLC & Ampirical Solutions, LLC  
**MAP BASE:** Cross Section  
**DATUM:** Varies

## TYPICAL POLE CROSS SECTION

Pole Type 4

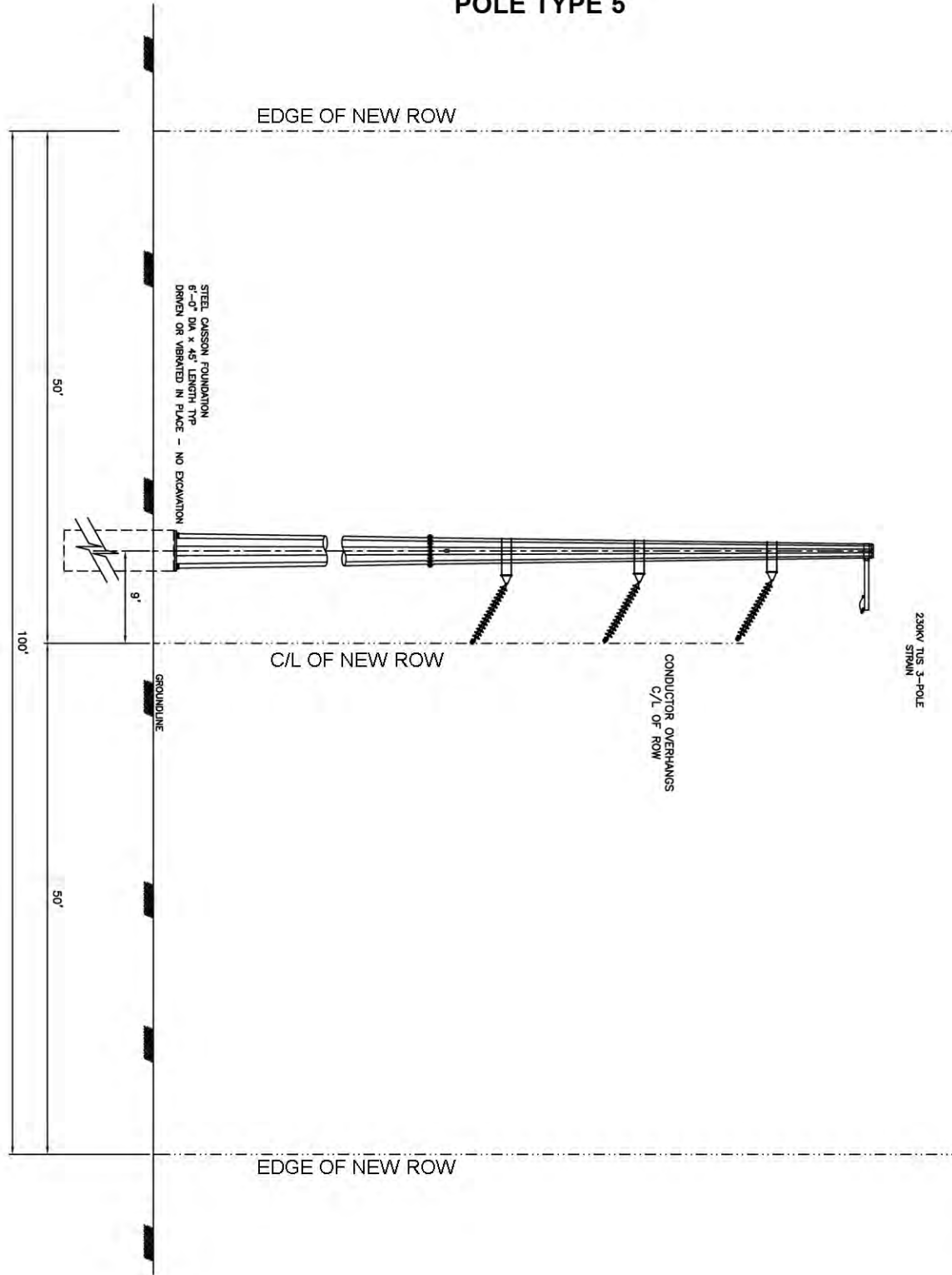
Proposed Construction of +/- 11.84 mi. (+/- 62,523.14 ft.) of Bayou Vista to Amelia Transmission Line, Improvements and Expansion of Existing Bayou Vista Substation

## Cleco Power LLC

**LOCATION:** T-16-S R-12-E & T-16-S, R-13-E  
**PARISH:** St. Mary  
**APPLICATION BY:** Cleco Power LLC  
**DATE:** January 27, 2017

**Coastal Environments, Inc.**  
Baton Rouge, LA.....225.383.7455

# POLE TYPE 5



<b>CLECO</b> PRYORVILLE, LOUISIANA	
TERREBONE - BAYOU VISTA 230KV TRANSMISSION LINE	
ANGLE STR CROSS SECTION NEW 100' ROW	
DRAWING: MIM	DATE: 1/2017
ENGINEER: MIM	SCALE: 1"=3'-0"
APPROVAL: WLL	
DRAWING NO: TB - BV TYP ROW CS 5	REVISION: 0 SHEET NO: 1

X	X	X	X	X	X	X	X	X
REV	DATE	BY	NO	DESCRIPTION	CHK	ENG	APP	

**Page 32**

**PURPOSE:** Improved Electrical Service to Customer Base  
**SOURCE:** Cleco Power LLC & Ampirical Solutions, LLC  
**MAP BASE:** Cross Section  
**DATUM:** Varies

## TYPICAL POLE CROSS SECTION

Pole Type 5

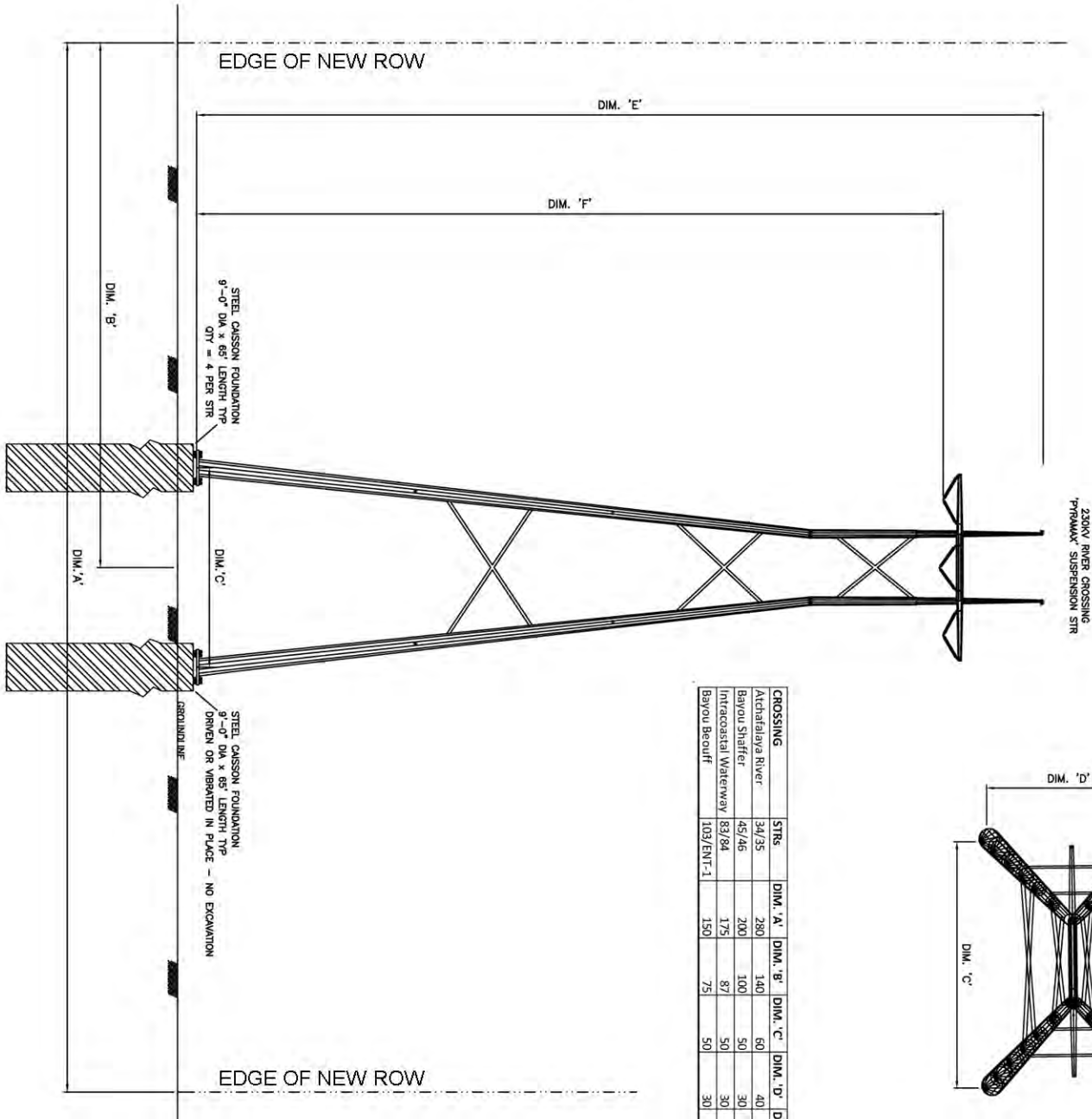
Proposed Construction of +/- 11.84 mi. (+/- 62,523.14 ft.) of Bayou Vista to Amelia Transmission Line, Improvements and Expansion of Existing Bayou Vista Substation

## Cleco Power LLC

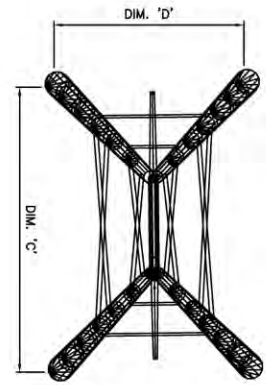
**LOCATION:** T-16-S R-12-E & T-16-S, R-13-E  
**PARISH:** St. Mary  
**APPLICATION BY:** Cleco Power LLC  
**DATE:** January 27, 2017

**Coastal Environments, Inc.**  
 Baton Rouge, LA.....225.383.7455

# POLE TYPE 6



CROSSING	STRS	DIM. 'A'	DIM. 'B'	DIM. 'C'	DIM. 'D'	DIM. 'E'	DIM. 'F'
Atchafalaya River	34/35	280	140	60	40	239	225
Bayou Shaffer	45/46	200	100	50	30	198	184
Intracoastal Waterway	83/84	175	87	50	30	211	197
Bayou Beouff	103/ENT-1	150	75	50	30	198	184



PLAN VIEW OF STR FOOTPRINT

<b>CLECO</b> PINEVILLE, LOUISIANA	
TERREBONE - BAYOU VISTA 230KV TRANSMISSION LINE	
PRIMARY CROSS SECTION WATERWAY CROSSING STRUCTURES	
DRAWING: MFM	PROJ: X
ENGINEER: MFM	DATE: 1/20/17
APPROVAL: MLL	SCALE: N.T.S.
DRAWING NO: TB - BV TYP ROW CS 6	
REVISION: 0	SHEET NO: 1

REV	DATE	BY	DESCRIPTION	REV	DATE	BY	DESCRIPTION
X	X	X	X	X	X	X	X

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**PURPOSE:** Improved Electrical Service to Customer Base  
**SOURCE:** Cleco Power LLC & Ampirical Solutions, LLC  
**MAP BASE:** Cross Section  
**DATUM:** Varies

## TYPICAL POLE CROSS SECTION

### Pole Type 6

Proposed Construction of +/- 11.84 mi. (+/- 62,523.14 ft.) of Bayou Vista to Amelia Transmission Line, Improvements and Expansion of Existing Bayou Vista Substation

## Cleco Power LLC

**LOCATION:** T-16-S R-12-E & T-16-S, R-13-E  
**PARISH:** St. Mary  
**APPLICATION BY:** Cleco Power LLC  
**DATE:** January 27, 2017

**Coastal Environments, Inc.**  
 Baton Rouge, LA.....225.383.7455

Pole Type Cross Section	Structure Description	Total Quantity	Structure #'s
Pole Type 1	Single Pole Tangent in New ROW	0 to 20	2, 3, 4, 6, 31, 32, 37-43, 48, 49, 72-76
Pole Type 1A	2-Pole H-frame Tangent in New ROW	1 to 21	2, 3, 4, 6, 31, 32, 37-43, 48, 49, 72-76, 85
Pole Type 2	Single Pole Tangent in ROW adjacent existing line	7 to 51	8, 9, 11 - 17, 18 - 26, 51, 52, 53, 54, 56, 57, 58, 59, 61 - 69, 78, 79, 80, 81, 88 - 99
Pole Type 2A	2-Pole H-frame Tangent in ROW adjacent existing line	0 to 44	8, 9, 18 - 26, 51, 52, 53, 54, 56, 57, 58, 59, 61 - 69, 78, 79, 80, 81, 88 - 99
Pole Type 3	3-Pole Deadend in New ROW	8	1, 30, 33, 36, 44, 47, 87, 102
Pole Type 4	3-Pole Deadend in ROW adjacent existing line	4	10, 27, 60, 82
Pole Type 5	Running Angle Structure	10	5, 7, 28, 29, 50, 55, 70, 71, 77, 101
Pole Type 6	River Crossing Structure	7	34, 35, 45, 46, 83, 84, and 103

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PURPOSE: Improved Electrical Service to Customer Base  
 SOURCE: Cleco Power LLC & Ampirical Solutions, LLC  
 MAP BASE: Cross Section  
 DATUM: Varies

**STRUCTURE DETAILS  
 QUANTITY AND  
 LOCATION INFORMATION**

Proposed Construction of +/- 11.84 mi.  
 (+/- 62,523.14 ft.) of Bayou Vista to Amelia  
 Transmission Line, Improvements and  
 Expansion of Existing Bayou Vista Substation

**Cleco Power LLC**

LOCATION: T-16-S R-12-E & T-16-S, R-13-E  
 PARISH: St. Mary  
 APPLICATION BY: Cleco Power LLC  
 DATE: January 27, 2017

 **Coastal Environments, Inc.**  
 Baton Rouge, LA.....225.383.7455

<b>WEST OF ATCHAFALYA RIVER (Within Forced Drainage System; LDNR Designated Fastland)</b>					
<i>Wetland Habitat Type</i>	<i>Total</i>	<i>Permanent Fill (Substation Site &amp; Pole Structures)</i>	<i>Permanent Conversion</i>	<i>Temporary Conversion (in Workspace)</i>	<i>Temporary Disturbance</i>
Bottomland Hardwoods	20.0212	0.0112	19.594	0.416	0
Swamp	1.5204	0.0004	1.52	0	0
Fresh Marsh	1.3614	0.0004	0	0	1.361
Wet Pasture	3.9189	1.3609	0	0	2.558
Other Waters	5.457	0	0	0	0
<b>SUBTOTAL</b>	<b>32.2789</b>	<b>1.3729</b>	<b>21.114</b>	<b>0.416</b>	<b>3.919</b>
<b>BATEMAN ISLAND</b>					
<i>Wetland Habitat Type</i>	<i>Total</i>	<i>Permanent Fill (Pole Structures)</i>	<i>Permanent Conversion</i>	<i>Temporary Conversion (in Workspace)</i>	<i>Temporary Disturbance</i>
Bottomland Hardwoods	1.8534	0.0004	1.506	0.347	0
Swamp	14.882	0.004	13.368	1.51	0
Fresh Marsh	1.3674	0.0004	0	0	1.367
Wet Pasture	0	0	0	0	0
Other Waters	5.643	0	0	0	0
<b>SUBTOTAL</b>	<b>23.7458</b>	<b>0.0048</b>	<b>14.874</b>	<b>1.857</b>	<b>1.367</b>
<b>AVOCA ISLAND</b>					
<i>Wetland Habitat Type</i>	<i>Total</i>	<i>Permanent Fill (Pole Structures)</i>	<i>Permanent Conversion</i>	<i>Temporary Conversion (in Workspace)</i>	<i>Temporary Disturbance</i>
Bottomland Hardwoods	27.9864	0.0144	26.236	1.736	0
Swamp	0	0	0	0	0
Fresh Marsh	5.669	0.003	0	0	5.666
Wet Pasture	0.155	0	0	0	0.155
Other Waters	3.972	0	0	0	0
<b>SUBTOTAL</b>	<b>37.7824</b>	<b>0.0174</b>	<b>26.236</b>	<b>1.736</b>	<b>5.821</b>
<b>EAST SIDE (Bayou Boeuf to Amelia)</b>					
<i>Wetland Habitat Type</i>	<i>Total</i>	<i>Permanent Fill (Pole Structures)</i>	<i>Permanent Conversion</i>	<i>Temporary Conversion (in Workspace)</i>	<i>Temporary Disturbance</i>
Bottomland Hardwoods	2.0623	0.0013	2.061	0	0
Swamp	13.5093	0.0063	11.659	1.844	0
Fresh Marsh	0	0	0	0	0
Wet Pasture	0.7784	0.0004	0	0	0.778
Other Waters	1.357	0	0	0	0
<b>SUBTOTAL</b>	<b>17.707</b>	<b>0.008</b>	<b>13.72</b>	<b>1.844</b>	<b>0.778</b>
<b>TOTAL (+/- in Acres)</b>	<b>111.5141</b>	<b>1.4031</b>	<b>75.944</b>	<b>5.853</b>	<b>11.885</b>

**NOTE: Impacts to Fresh Marsh & Wet Pasture to be assessed/determined after one (1) full-growing season, post-construction**

**Page 35**

PURPOSE: Improved Electrical Service to Customer Base  
 SOURCE: Cleco Power LLC & Ampirical Solutions, LLC  
 MAP BASE: n/a  
 DATUM: n/a

**SUMMARY OF PROJECT  
 WETLAND & HABITAT  
 IMPACTS  
 (+/- in Acres)**

Proposed Construction of +/- 11.84 mi. (+/- 62,523.14 ft.) of Bayou Vista to Amelia Transmission Line, Improvements and Expansion of Existing Bayou Vista Substation

**Cleco Power LLC**

LOCATION: T-16-S R-12-E & T-16-S, R-13-E  
 PARISH: St. Mary  
 APPLICATION BY: Cleco Power LLC  
 DATE: February 22, 2017

 **Coastal Environments, Inc.**  
 Baton Rouge, LA.....225.383.7455