

JOINT PUBLIC NOTICE

14 May 2018

United States Army
Corps of Engineers
New Orleans District
Regulatory Branch
7400 Leake Avenue
New Orleans, Louisiana 70118

(504) 862-2279
kara.vick@usace.army.mil
Project Manager
Kara Vick
Permit Application Number
MVN 2018-00218-EV

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

(225) 219-3225
Project Manager
Elizabeth Hill
WQC Application Number
WQC 180508-01

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: [X] Section 10 of the Rivers and Harbors Act of March 3, 1899 (30 Stat. 1151; 33 USC 403); and/or [X] Section 404 of the Clean Water Act (86 Stat. 816; 33 USC 1344).

Application has also been made to the Louisiana Department of Environmental Quality for a Water Quality Certification (WQC) in accordance with statutory authority contained in LRS30:2047 A(3), and provisions of Section 401 of the Clean Water Act (P.L.95-17).

EXPANSION of TWO EXISTING SUBSTATIONS in JEFFERSON and PLAQUEMINES PARISH

NAME OF APPLICANT: Entergy Louisiana, LLC, ATTN: Morris P. Hebert, Inc., Mr. Timothy Robertson, at 10343 Siegen Lane, Building 4-B, Baton Rouge, Louisiana 70810.

LOCATION OF WORK: Barataria Substation located on Louisiana Highway 301 in Lafitte, Louisiana, in Jefferson Parish and Alliance Substation located on Louisiana Highway 23, in Alliance, Louisiana, in Plaquemines Parish, Louisiana as shown on the attached drawings.

HUC: 08090301; East – Central Louisiana Coastal

CHARACTER OF WORK: To expand two existing substation locations. The addition to the Barataria substation will consist of a 1.56 acre expansion area and the installation of one three-pole electrical structure adjacent to the facility. The addition to the Alliance substation will consist of a 3.54 acre expansion area. Additionally, Entergy is proposing to install approximately 0.60 miles of transmission lines from the expansion area to a customer substation. The new transmission lines will run adjacent to an existing transmission ROW and will consist of 18 new electrical pole installations. This project would require permanent impacts totaling 1.94 acres of bottomland hardwood wetlands and a conversion of 0.46 acres of bottomland hardwood wetlands to herbaceous wetlands. The applicant proposes to purchase credits from a mitigation bank to offset any unavoidable losses to wetland functions caused by project implementation.

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 mailed 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 mailed to the Corps of Engineers at the address above, ATTENTION: REGULATORY BRANCH. Similar 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. Individuals or parties may request an extension of time in which to comment on the proposed work by writing 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.

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. Issuance of this public notice solicits input from 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, nor habitat designated as critical to the survival and recovery of species listed as

endangered by the U.S. Department of Commerce.

Utilizing Standard Local Operating Procedure for Endangered Species in Louisiana (SLOPES), dated October 22, 2014, between the U.S. Army Corps of Engineers, New Orleans and U.S. Fish and Wildlife Service, Ecological Services Office, the Corps has determined that the proposed activity would have no effect on any listed species nor affect any habitat designated as critical to the survival and recovery of any endangered species of concern to the USFW.

This notice initiates the Essential Fish Habitat (EFH) consultation requirements of the Magnuson-Stevens Fishery Conservation and Management Act. The applicant's proposal would result in the destruction or alteration of 0.06 acre 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 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.

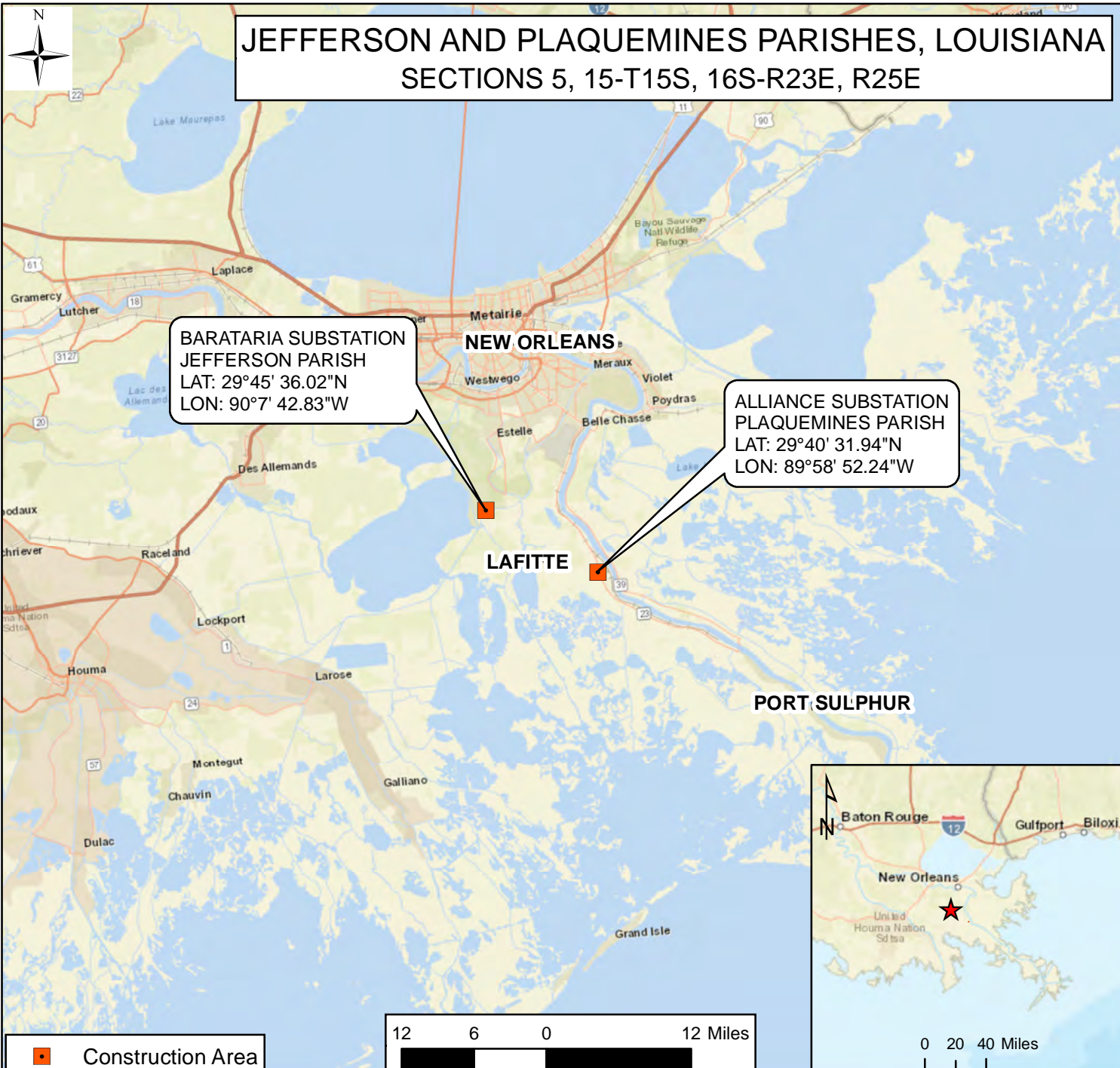
The applicant has certified that the proposed activity described in the application complies with and will be conducted in a manner that is consistent with the Louisiana Coastal Resources Program. The Department of the Army permit will not be issued unless the applicant received approval or a waiver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

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

Michael V. Farabee
Chief, Eastern Evaluation Section

Enclosure

**JEFFERSON AND PLAQUEMINES PARISHES, LOUISIANA
SECTIONS 5, 15-T15S, 16S-R23E, R25E**



NOTE: NO FIELD SURVEY WAS MADE FOR THIS PROJECT AND NO ON-THE-GROUND EFFORT HAS BEEN MADE TO LOCATE AND INDICATE ALL CABLES, PIPELINES, ETC. CROSSED BY THE PROPOSED PROJECT. THEREFORE, MORRIS P. HEBERT, INC. IS NOT RESPONSIBLE FOR ANY LOCATED DURING THE COURSE OF THE PROJECT.

NOTE: THIS DRAWING WAS PREPARED FOR PERMITTING PURPOSES ONLY, AND IS NOT A PROPERTY BOUNDARY SURVEY AND AS SUCH DOES NOT COMPLY WITH THE STANDARDS SET FORTH FOR PROPERTY BOUNDARY SURVEYS BY THE PROFESSIONAL LAND SURVEY LICENSING INSTITUTE FOR THE STATE(S) ILLUSTRATED.

ENTERGY LOUISIANA, LLC

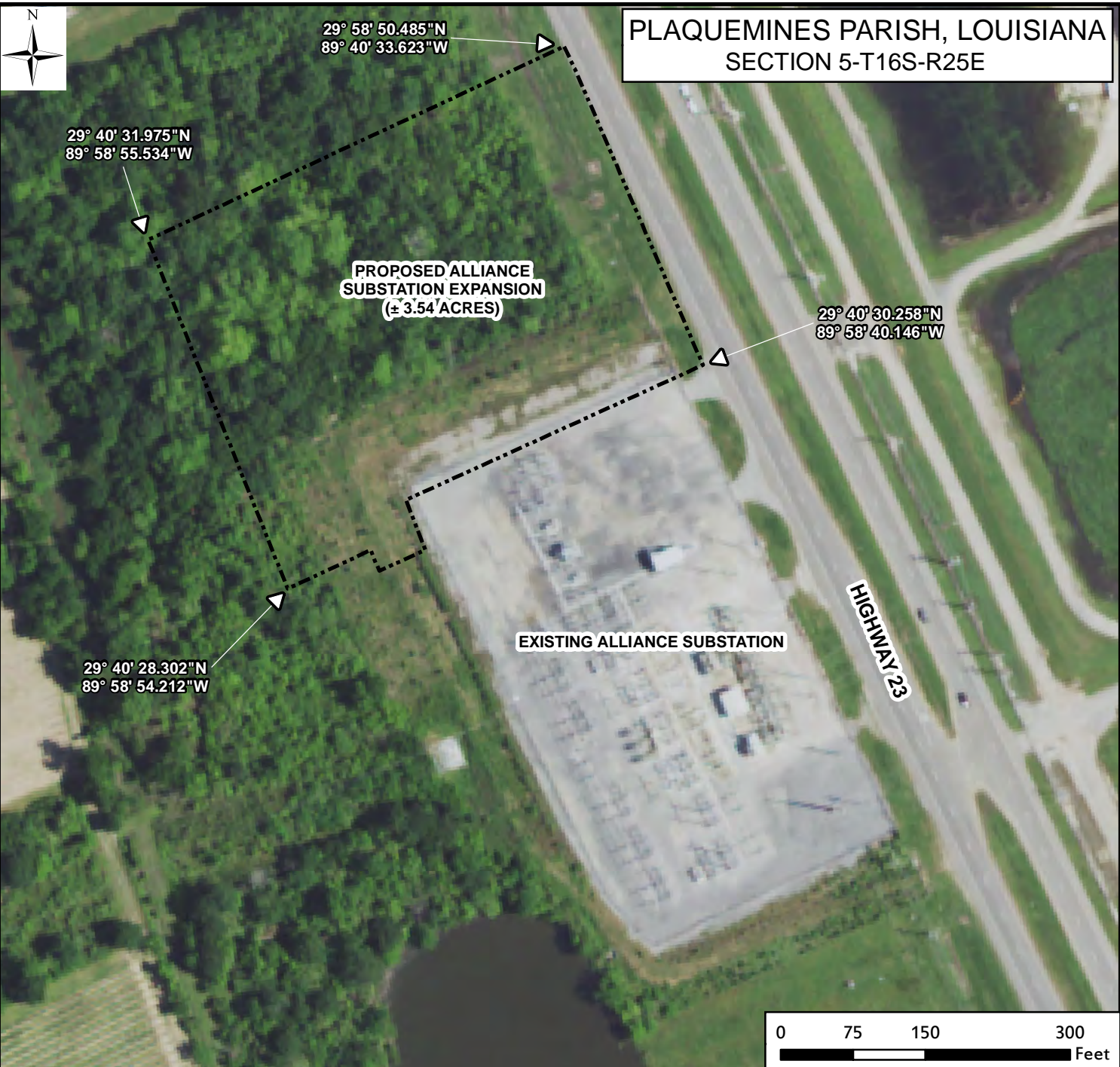
**ALLIANCE AND BARATARIA SUBSTATION EXPANSIONS
JEFFERSON AND PLAQUEMINES PARISHES, LOUISIANA
VICINITY MAP**



SURVEYING • ENGINEERING • ENVIRONMENTAL SERVICES • FIELD SERVICES • GIS
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DRAWN BY: JBS	SHEET: 1
CHECKED BY:	SCALE: 1 IN = 12 MI
APPROVED BY:	DATE: 2/20/2018
REVISION BY:	JOB NO.: 12900-00
GIS FILE: 12900_VICINITY.MXD	

FILE LOCATION: G:\ENTERGY\12900\MAPS\12900_VICINITY.MXD



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ENTERGY LOUISIANA, LLC

ALLIANCE AND BARATARIA SUBSTATION EXPANSIONS
JEFFERSON AND PLAQUEMINES PARISHES, LOUISIANA
CONSTRUCTION AREA MAP



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DRAWN BY: JBS	SHEET: 2
CHECKED BY:	SCALE: 1 IN = 150 FT
APROVED BY:	DATE: 1/23/2018
REVISION BY:	JOB NO.: 12900-00
GIS FILE: 12900_ALLIANCE_CONST_.MXD	



PLAQUEMINES PARISH, LOUISIANA
SECTION 5-T16S-R25E

CUSTOMER
SUBSTATION

PROPOSED ROW
175' W x 3,100' L

HIGHWAY 23

PROPOSED ALLIANCE
SUBSTATION EXPANSION
(±3.54 ACRES)

EXISTING ALLIANCE
SUBSTATION

NOTE: SUBSTATION EXPANSION
CONSTRUCTION AREA WILL BE
CLEARED AND GRUBBED. 18" OF
NATIVE SOIL WILL BE REMOVED.
ENTIRE CONSTRUCTION AREA WILL
BE BACKFILLED WITH SAND AND
LIMESTONE OVER GEOTEXTILE
FABRIC, EXCLUDING THE PROPOSED
LEVEE AREA.

- PROPOSED POLE LOCATION
 - EXISTING ROW
 - PROPOSED ROW
 - ▒ OTHER WATERS
 - PROPOSED FILL AREA (± 3.54 ACRES)
- WETLANDS TO BE IMPACTED**
- ▒ FORESTED WETLANDS
 - ▒ HERBACEOUS WETLANDS



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ALLIANCE AND BARATARIA SUBSTATION EXPANSIONS
JEFFERSON AND PLAQUEMINES PARISHES, LOUISIANA
PLAN VIEW MAP



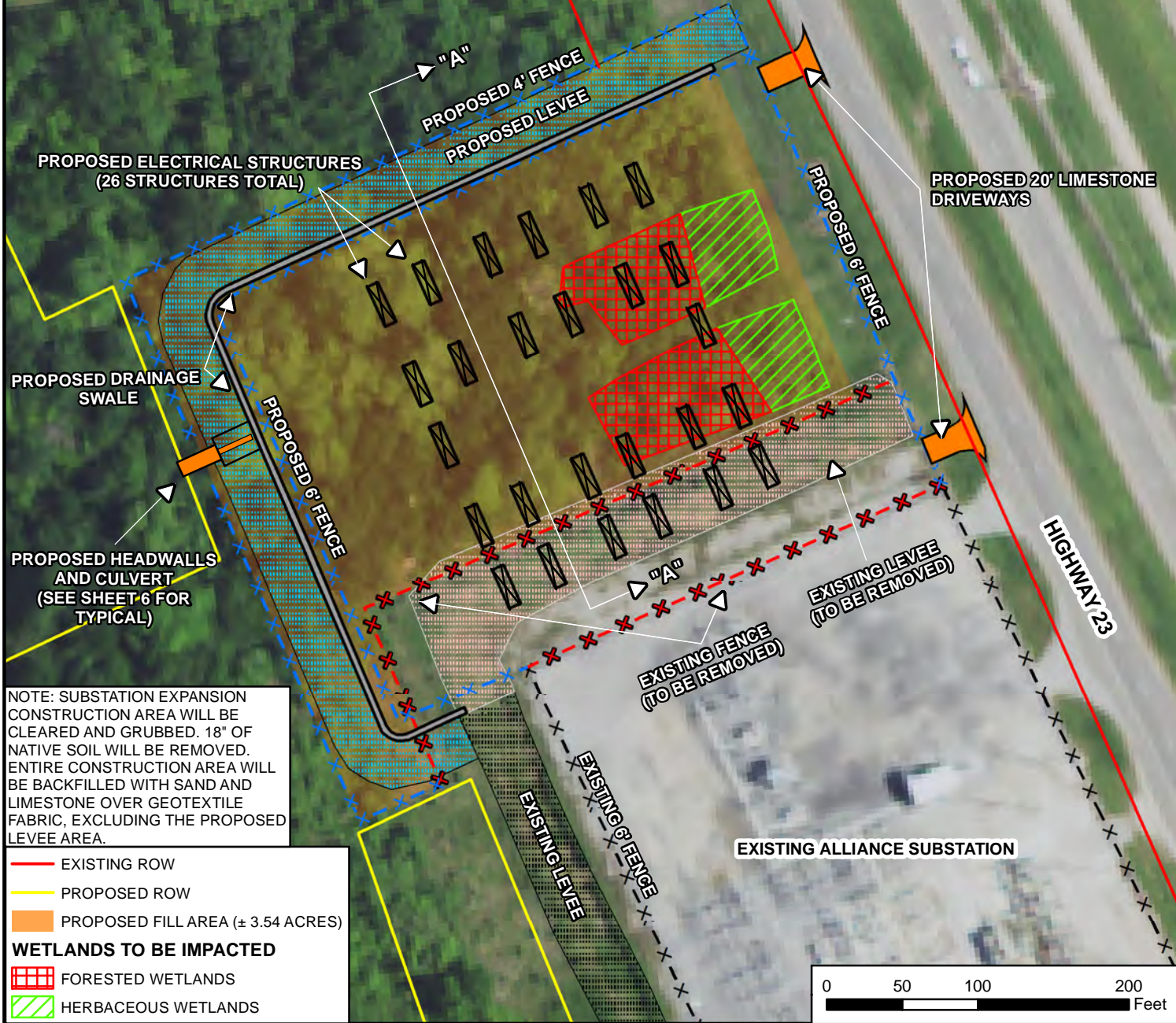
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DRAWN BY: JBS	SHEET: 3
CHECKED BY:	SCALE: 1 IN = 500 FT
APROVED BY:	DATE: 3/13/2018
REVISION BY:	JOB NO.: 12900-00
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PLAQUEMINES PARISH, LOUISIANA
SECTION 5-T16S-R25E



PROPOSED ELECTRICAL STRUCTURES
(26 STRUCTURES TOTAL)

PROPOSED 20' LIMESTONE
DRIVEWAYS

PROPOSED DRAINAGE
SWALE

PROPOSED HEADWALLS
AND CULVERT
(SEE SHEET 6 FOR
TYPICAL)

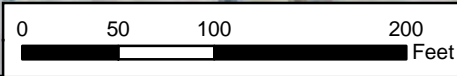
NOTE: SUBSTATION EXPANSION
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CLEARED AND GRUBBED. 18" OF
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LIMESTONE OVER GEOTEXTILE
FABRIC, EXCLUDING THE PROPOSED
LEVEE AREA.

- EXISTING ROW
- PROPOSED ROW
- PROPOSED FILL AREA (± 3.54 ACRES)

WETLANDS TO BE IMPACTED

- FORESTED WETLANDS
- HERBACEOUS WETLANDS

EXISTING ALLIANCE SUBSTATION



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ALLIANCE AND BARATARIA SUBSTATION EXPANSIONS
JEFFERSON AND PLAQUEMINES PARISHES, LOUISIANA
DETAILED PLAN VIEW MAP



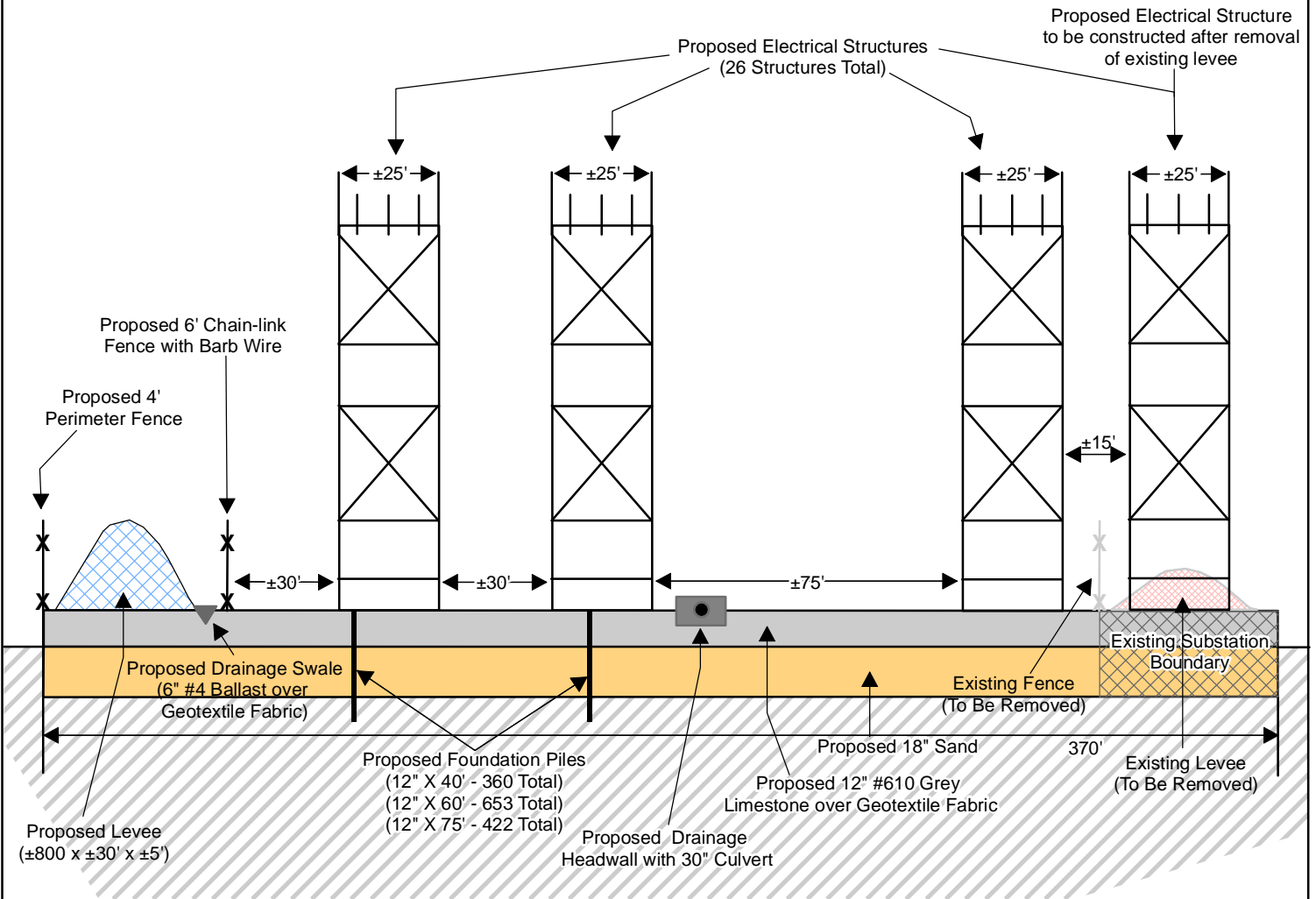
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DRAWN BY: JBS	SHEET: 4
CHECKED BY:	SCALE: 1 IN = 100 FT
APPROVED BY:	DATE: 1/31/2018
REVISION BY:	JOB NO.: 12900-00
GIS FILE: 12900_ALLIANCE_SITE_PLAN.MXD	

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CROSS-SECTION "A" - "A" (ALLIANCE SUBSTATION)

NOT TO SCALE



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ALLIANCE AND BARATARIA SUBSTATION EXPANSIONS JEFFERSON AND PLAQUEMINES PARISHES, LOUISIANA CROSS-SECTION

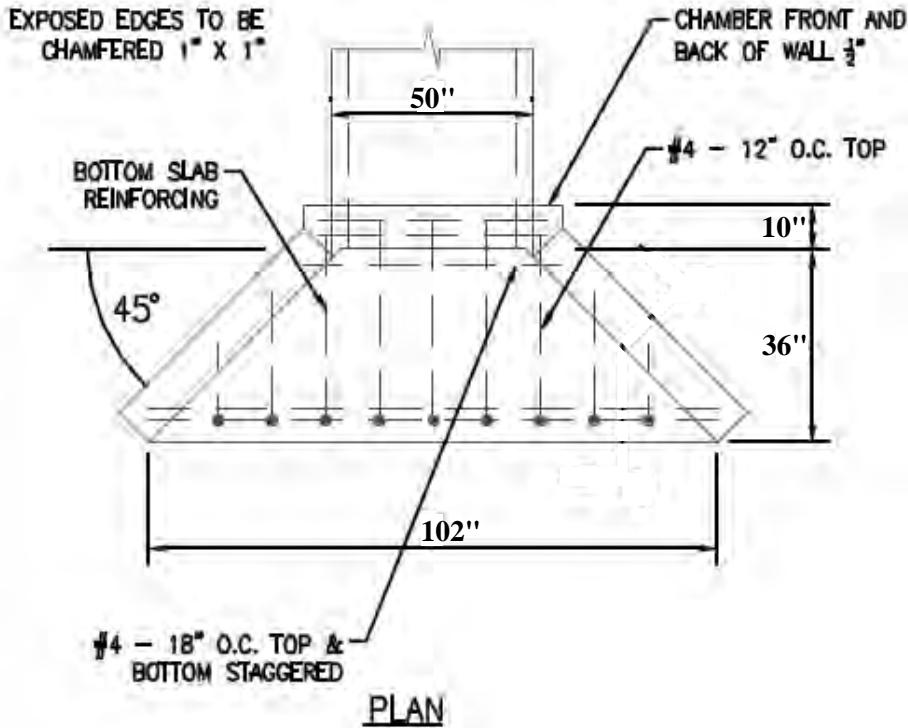


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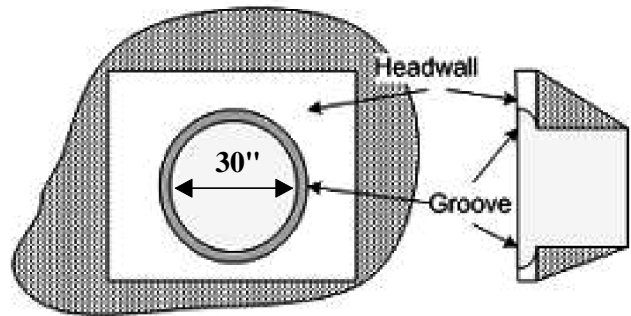
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CHECKED BY:	SCALE: NOT TO SCALE
APPROVED BY: RM	DATE: 3/6/2018
REVISION BY:	JOB NO.: 12900-00
GIS FILE: 12900_ALLIANCE_CROSS.MXD	

TYPICAL DRAINAGE HEADWALL AND CULVERT

NOT TO SCALE



Grooved Pipe with Headwalls



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ALLIANCE AND BARATARIA SUBSTATION EXPANSIONS
JEFFERSON AND PLAQUEMINES PARISHES, LOUISIANA
TYPICAL

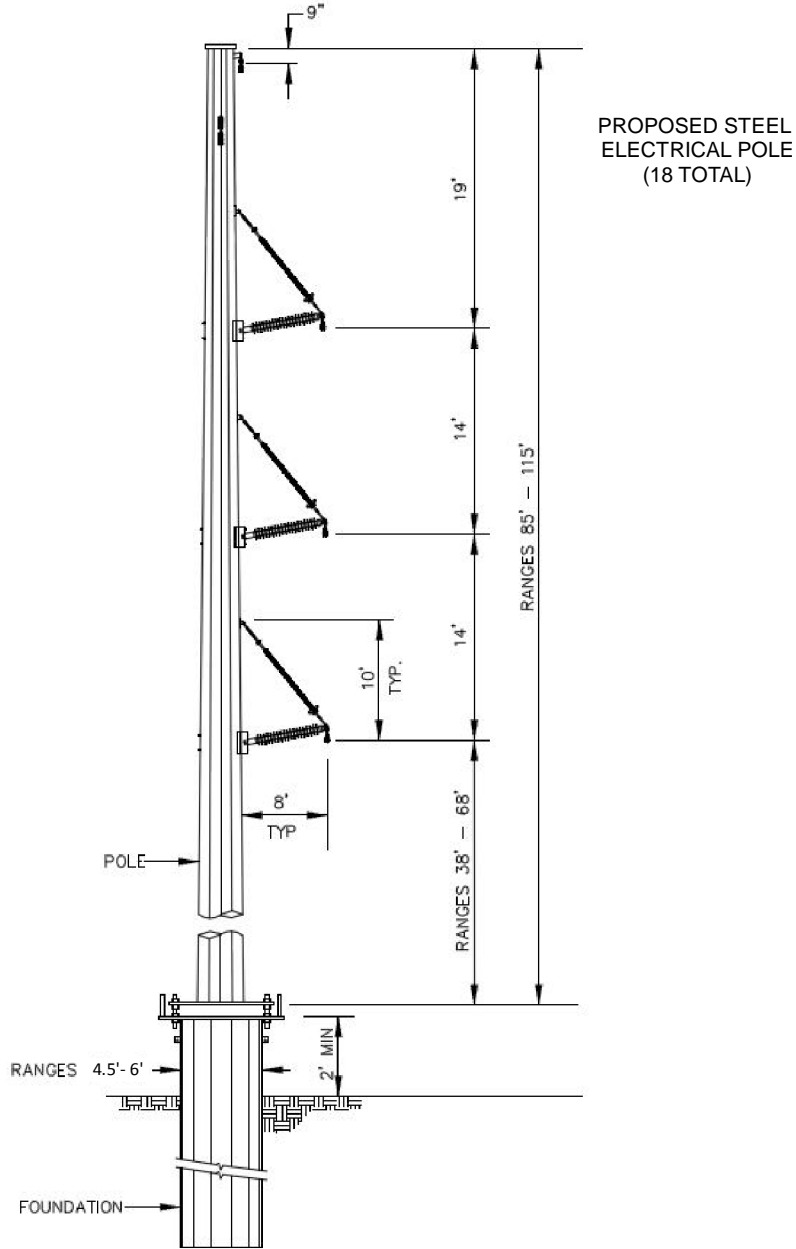


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DRAWN BY: JBS	SHEET: 6
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APPROVED BY:	DATE: 3/6/2018
REVISION BY:	JOB NO.: 12900-00
GIS FILE: 12900_ALLIANCE_TYPICAL.MXD	

TYPICAL ELECTRICAL POLE

NOT TO SCALE



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ENTERGY LOUISIANA, LLC

T-LINE STRUCTURES
JEFFERSON AND PLAQUEMINES PARISHES, LOUISIANA
TYPICAL



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DRAWN BY: JBS	SHEET: 7
CHECKED BY:	SCALE: NOT TO SCALE
APPROVED BY:	DATE: 1/31/2018
REVISION BY:	JOB NO.: 12900-00
GIS FILE: 12900_ALLIANCE_TYPICAL_POLE.MXD	

ALLIANCE SUBSTATION - CALCULATION SHEET

EXCAVATION/FILL CHART & EQUIPMENT LIST FOR PROPOSED SUBSTATION EXPANSION		
EXCAVATIONS:		
CLASSIFICATION	CUBIC YARDS	ACREAGE
WATERBOTTOMS:	0	0
HERBACEOUS WETLANDS:	225.87	0.14
FORESTED WETLANDS:	1,048.67	0.24
NON-WET AREAS	4,259.20	3.16
FILL AREAS:		
CLASSIFICATION	CUBIC YARDS	ACREAGE
WATERBOTTOMS:	0	0
HERBACEOUS WETLANDS:	564.67	0.14
FORESTED WETLANDS:	4517.30	0.24
NON-WET AREAS	10,648	3.16
FILL MATERIALS:		
CLASSIFICATION	CUBIC YARDS	
CONCRETE:	0	
CRUSHED STONE OR GRAVEL:	6,292	
NATIVE MATERIAL (CLAY, MUD, SOIL):	2,222 (levee)	
CONCRETE MATTING:	0	
SAND:	9,438	
ADDITIONAL IMPACTS (ROW CONVERSION):		
CLASSIFICATION	ACREAGE	
FORESTED WETLANDS:	0.46	

EQUIPMENT LIST:

CRANES	TRACTORS
BUCKET AND AERIAL PLATFORMS TRUCKS	TANKER TRUCKS
WIRE PULLING EQUIPMENT	SKIDDERS
VIBRATORY HAMMER AND HYDRAULIC POWER UNIT	TRAILERS
BULLDOZERS	SLEDS
EXCAVATORS, TRACKHOES, AND BACKHOES	VEGETATION CLEARING EQUIPMENT
DIGGER DERRICKS AND DRILL RIGS	VEGETATION INCINERATOR
GRADERS	HELICOPTERS
FORKLIFTS	MARSH BUGGIES
LOADERS	

NOTE: THESE DRAWINGS
ARE TO BE USED EXCLUSIVELY
FOR THE ACQUISITION OF
REGULATORY PERMITS

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ENTERGY LOUISIANA, LLC

ALLIANCE AND BARATARIA SUBSTATION EXPANSIONS JEFFERSON AND PLAQUEMINES PARISHES, LOUISIANA CALCULATION SHEET



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APROVED BY:	DATE: 1/31/2018
REVISION BY:	JOB NO.: 12900-00
GIS FILE: 12900_ALLIANCE_CALC_SUB_.MXD	

T-LINE STRUCTURES - CALCULATION SHEET

EXCAVATION/FILL CHART & EQUIPMENT LIST FOR PROPOSED ELECTRIC POLE INSTALLATION		
EXCAVATIONS:		
CLASSIFICATION	CUBIC YARDS	ACREAGE
WATERBOTTOMS:	0	0
HERBACEOUS WETLANDS:	0	0
FORESTED WETLANDS:	0	0
NON-WET AREAS	0	0
FILL AREAS:		
CLASSIFICATION	CUBIC YARDS	ACREAGE
WATERBOTTOMS:	0	0
HERBACEOUS WETLANDS:	0	0
FORESTED WETLANDS:	0	0
NON-WET AREAS	0	0
FILL MATERIALS:		
CLASSIFICATION	CUBIC YARDS	
CONCRETE:	0	
CRUSHED STONE OR GRAVEL:	0	
NATIVE MATERIAL (CLAY, MUD, SOIL):	0	
CONCRETE MATTING:	0	
SAND:	0	
ADDITIONAL IMPACTS (POLE INSTALLATION):		
CLASSIFICATION	ACREAGE	
OTHER WATERS	0.0104	
FORESTED WETLANDS:	0	

EQUIPMENT LIST:

CRANES	TRACTORS
BUCKET AND AERIAL PLATFORMS TRUCKS	TANKER TRUCKS
WIRE PULLING EQUIPMENT	SKIDDERS
VIBRATORY HAMMER AND HYDRAULIC POWER UNIT	TRAILERS
BULLDOZERS	SLEDS
EXCAVATORS, TRACKHOES, AND BACKHOES	VEGETATION CLEARING EQUIPMENT
DIGGER DERRICKS AND DRILL RIGS	VEGETATION INCINERATOR
GRADERS	HELICOPTERS
FORKLIFTS	MARSH BUGGIES
LOADERS	

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ENTERGY LOUISIANA, LLC

T-LINE STRUCTURES JEFFERSON AND PLAQUEMINES PARISHES, LOUISIANA CALCULATION SHEET

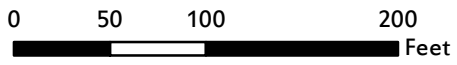
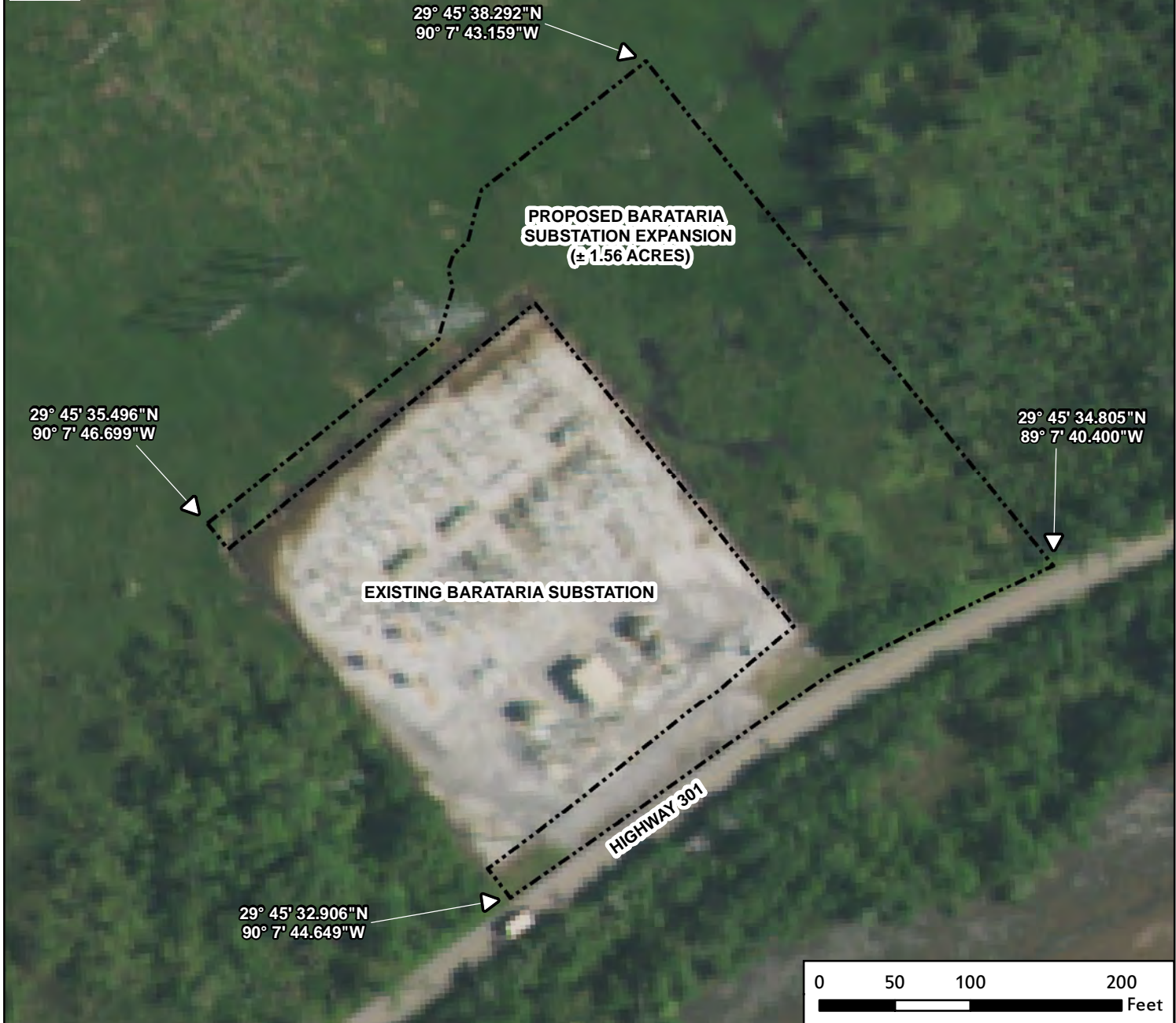


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DRAWN BY: JBS	SHEET: 9
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GIS FILE: 12900_ALLIANCE_CALC_POLE_.MXD	



JEFFERSON PARISH, LOUISIANA
SECTION 10-T15S-R23E



NOTE: NO FIELD SURVEY WAS MADE FOR THIS PROJECT AND NO ON-THE-GROUND EFFORT HAS BEEN MADE TO LOCATE AND INDICATE ALL CABLES, PIPELINES, ETC. CROSSED BY THE PROPOSED PROJECT. THEREFORE, MORRIS P. HEBERT, INC. IS NOT RESPONSIBLE FOR ANY LOCATED DURING THE COURSE OF THE PROJECT.

NOTE: THIS DRAWING WAS PREPARED FOR PERMITTING PURPOSES ONLY, AND IS NOT A PROPERTY BOUNDARY SURVEY AND AS SUCH DOES NOT COMPLY WITH THE STANDARDS SET FORTH FOR PROPERTY BOUNDARY SURVEYS BY THE PROFESSIONAL LAND SURVEY LICENSING INSTITUTE FOR THE STATE(S) ILLUSTRATED.

ENTERGY LOUISIANA, LLC

**ALLIANCE AND BARATARIA SUBSTATION EXPANSIONS
JEFFERSON AND PLAQUEMINES PARISHES, LOUISIANA
CONSTRUCTION AREA MAP**

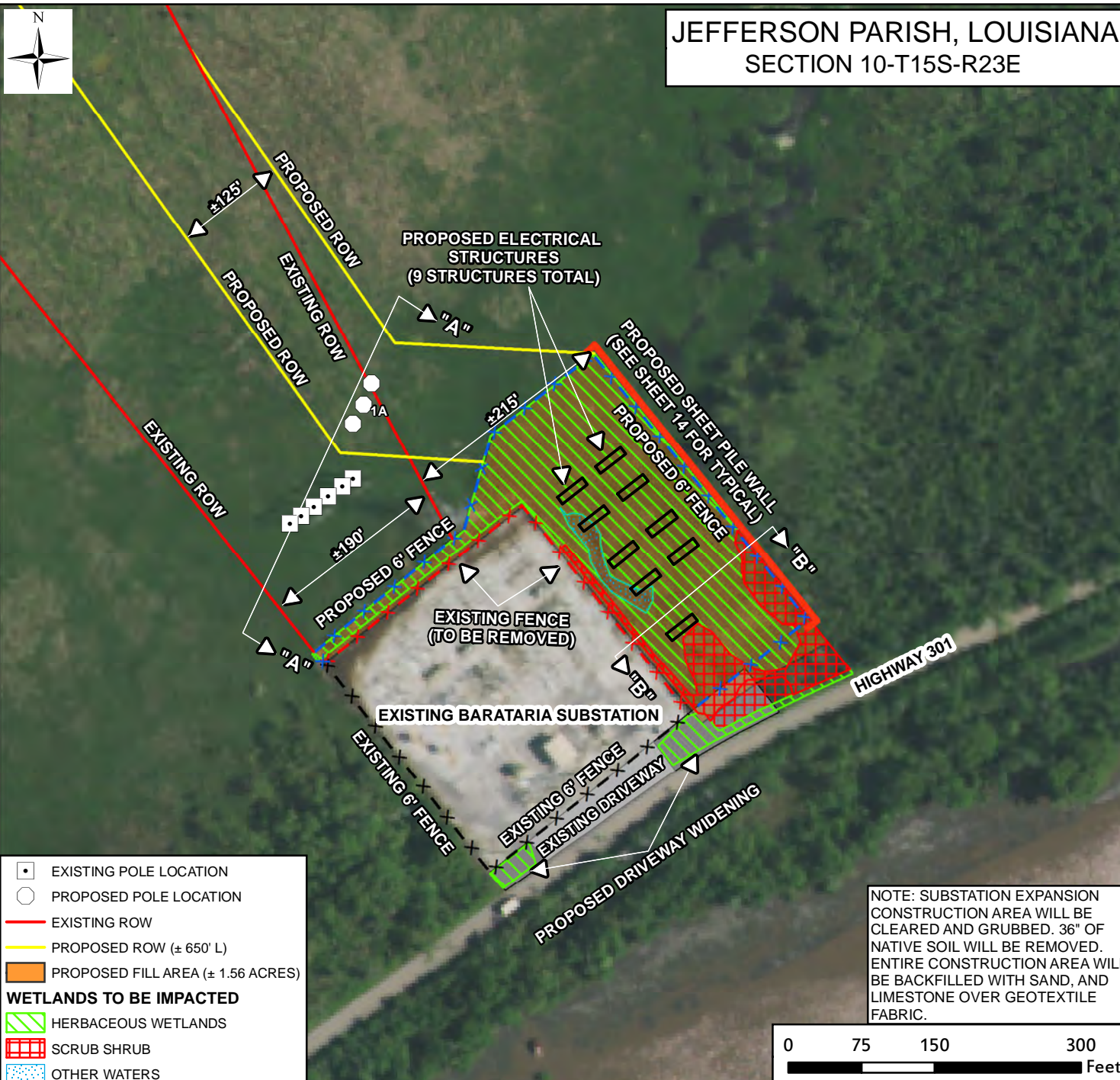


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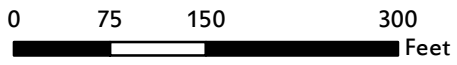
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GIS FILE: 12900_BARATARIA_CONST.MXD	

JEFFERSON PARISH, LOUISIANA
SECTION 10-T15S-R23E



- EXISTING POLE LOCATION
- PROPOSED POLE LOCATION
- EXISTING ROW
- PROPOSED ROW (± 650' L)
- PROPOSED FILL AREA (± 1.56 ACRES)
- WETLANDS TO BE IMPACTED**
- ▨ HERBACEOUS WETLANDS
- ▩ SCRUB SHRUB
- ▤ OTHER WATERS

NOTE: SUBSTATION EXPANSION CONSTRUCTION AREA WILL BE CLEARED AND GRUBBED. 36" OF NATIVE SOIL WILL BE REMOVED. ENTIRE CONSTRUCTION AREA WILL BE BACKFILLED WITH SAND, AND LIMESTONE OVER GEOTEXTILE FABRIC.



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ALLIANCE AND BARATARIA SUBSTATION EXPANSIONS
JEFFERSON AND PLAQUEMINES PARISHES, LOUISIANA
DETAILED PLAN VIEW MAP



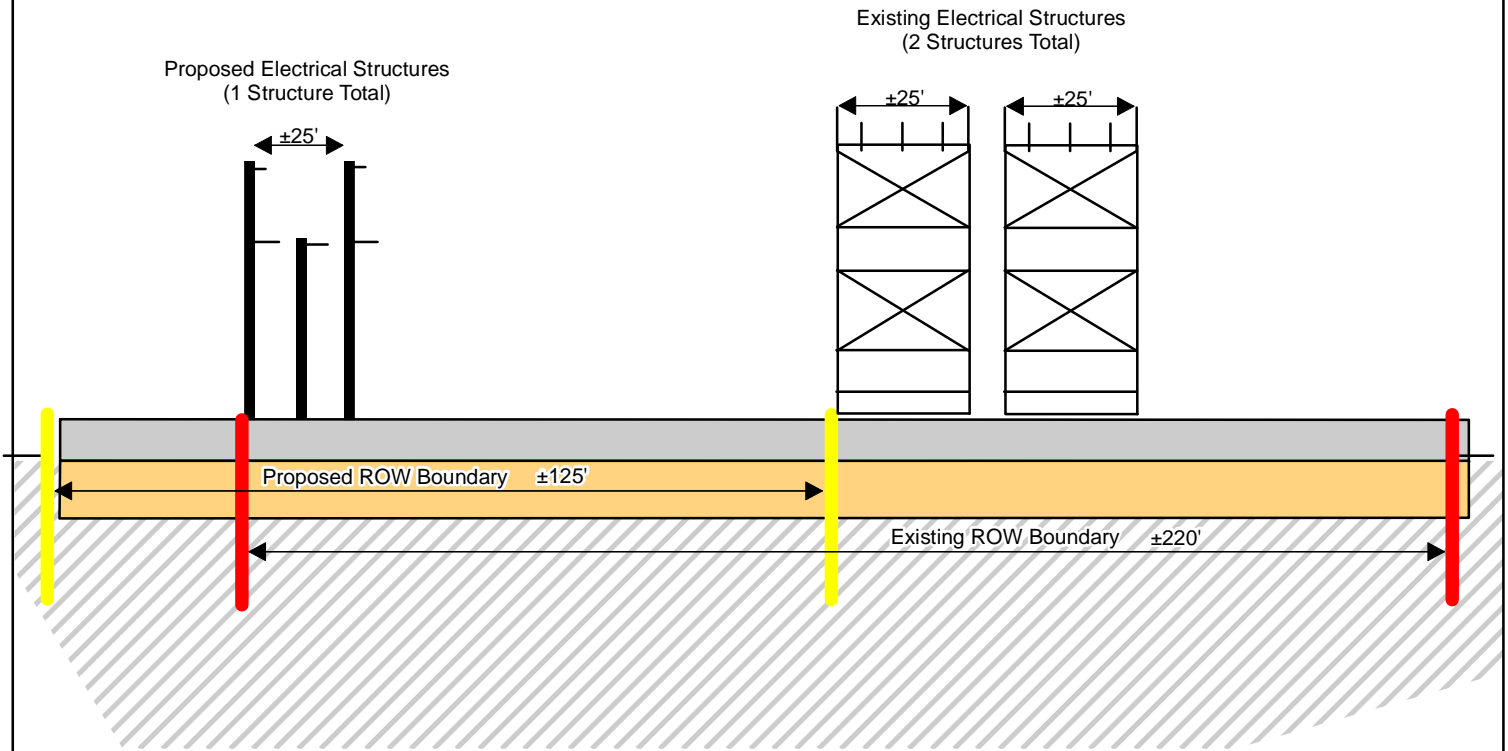
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GIS FILE: 12900_BARATARIA_PLAN.MXD	

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CROSS-SECTION "A" - "A" (BARATARIA SUBSTATION)

NOT TO SCALE



NOTE: MEASURED DISTANCES ARE APPROXIMATED FOR PERMITTING PURPOSES AND ARE NOT A TRUE MEASURED DISTANCE.

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ALLIANCE AND BARATARIA SUBSTATION EXPANSIONS
JEFFERSON AND PLAQUEMINES PARISHES, LOUISIANA
CROSS-SECTION



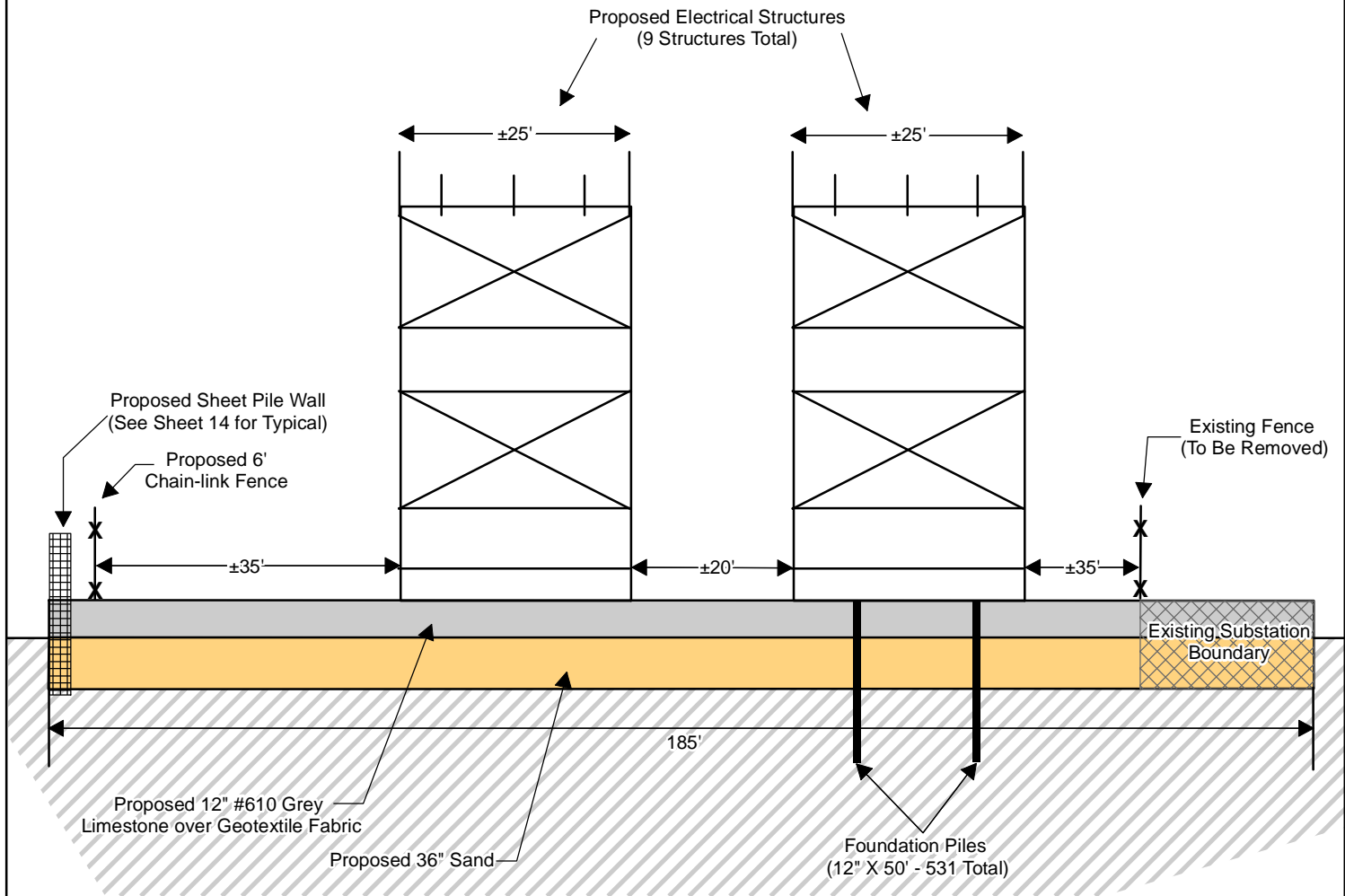
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REVISION BY:	JOB NO.: 12900-00
GIS FILE: 12900_BARATARIA_CROSS.MXD	

CROSS-SECTION "B" - "B" (BARATARIA SUBSTATION)

NOT TO SCALE



NOTE: MEASURED DISTANCES ARE APPROXIMATED FOR PERMITTING PURPOSES AND ARE NOT A TRUE MEASURED DISTANCE.

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ALLIANCE AND BARATARIA SUBSTATION EXPANSIONS
JEFFERSON AND PLAQUEMINES PARISHES, LOUISIANA
CROSS-SECTION "B"

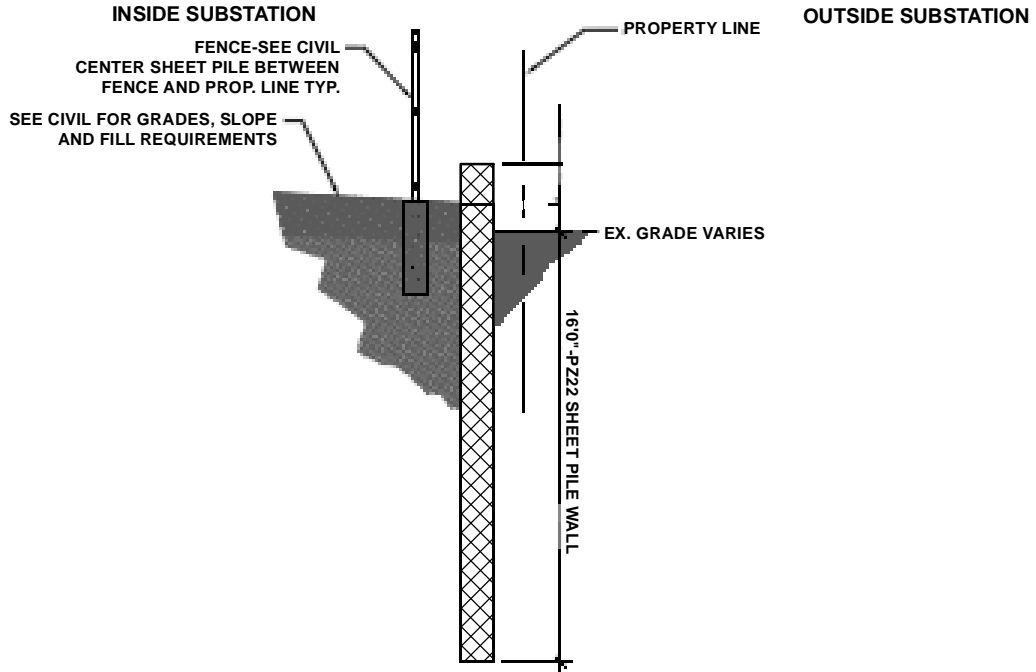


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CHECKED BY:	SCALE: NOT TO SCALE
APPROVED BY:	DATE: 4/12/2018
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GIS FILE: 12900_BARATARIA_CROSS_B.MXD	

TYPICAL SHEET PILE WALL

NOT TO SCALE



SHEET PILE WALL SECTION

SCALE: N.T.S.

NOTE: NO FIELD SURVEY WAS MADE FOR THIS PROJECT AND NO ON-THE-GROUND EFFORT HAS BEEN MADE TO LOCATE AND INDICATE ALL CABLES, PIPELINES, ETC. CROSSED BY THE PROPOSED PROJECT. THEREFORE, MORRIS P. HEBERT, INC. IS NOT RESPONSIBLE FOR ANY LOCATED DURING THE COURSE OF THE PROJECT.

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ALLIANCE AND BARATARIA SUBSTATION EXPANSIONS
JEFFERSON AND PLAQUEMINES PARISHES, LOUISIANA
TYPICAL



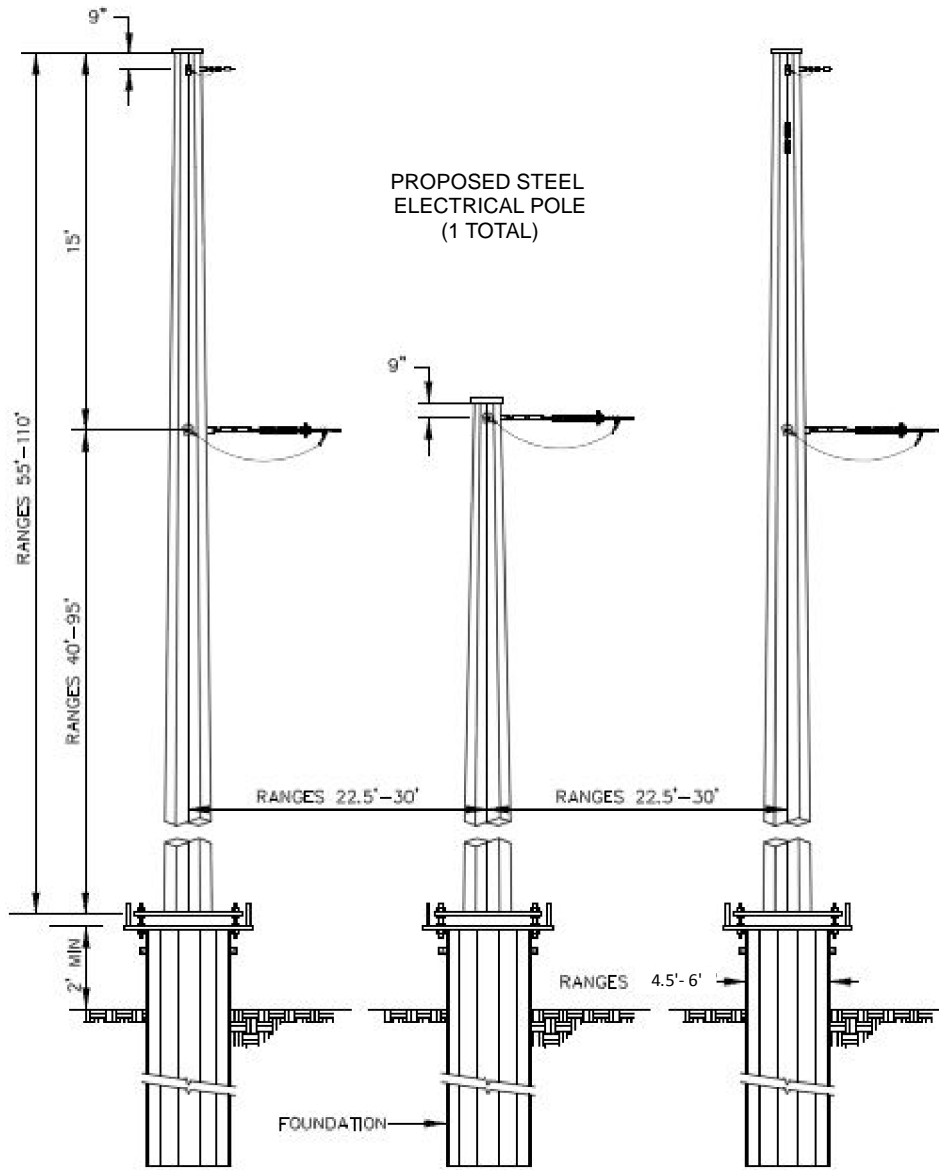
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APROVED BY:	DATE: 4/12/2018
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GIS FILE: 12900_BARATARIA_TYPICAL.MXD	

TYPICAL ELECTRICAL POLE

NOT TO SCALE



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T-LINE STRUCTURES
JEFFERSON AND PLAQUEMINES PARISHES, LOUISIANA
TYPICAL



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APPROVED BY:	DATE: 1/31/2018
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GIS FILE: 12900_BARATARIA_TYPICAL_POLE.MXD	

BARATARIA SUBSTATION - CALCULATION SHEET

EXCAVATION/FILL CHART & EQUIPMENT LIST FOR PROPOSED SUBSTATION EXPANSION		
EXCAVATIONS:		
CLASSIFICATION	CUBIC YARDS	ACREAGE
WATERBOTTOMS:	242	0.05
HERBACEOUS WETLANDS:	5,904.80	1.22
SCRUB SHRUB WETLANDS:	1,403.60	0.29
NON-WET AREAS	0	0
FILL AREAS:		
CLASSIFICATION	CUBIC YARDS	ACREAGE
WATERBOTTOMS:	322.67	0.05
HERBACEOUS WETLANDS:	7873.07	1.22
SCRUB SHRUB WETLANDS:	1871.47	0.29
NON-WET AREAS	0	0
FILL MATERIALS:		
CLASSIFICATION	CUBIC YARDS	
CONCRETE:	0	
CRUSHED STONE OR GRAVEL:	2516.81	
NATIVE MATERIAL (CLAY, MUD, SOIL):	0	
CONCRETE MATTING:	0	
SAND:	7550.4	
ADDITIONAL IMPACTS (ROW CONVERSION)		
CLASSIFICATION	ACREAGE	
HERBACEOUS WETLANDS:	0	
FORESTED WETLANDS:	0	
CANAL CROSSING AREAS:	0	

EQUIPMENT LIST:

CRANES	TRACTORS
BUCKET AND AERIAL PLATFORMS TRUCKS	TANKER TRUCKS
WIRE PULLING EQUIPMENT	SKIDDERS
VIBRATORY HAMMER AND HYDRAULIC POWER UNIT	TRAILERS
BULLDOZERS	SLEDS
EXCAVATORS, TRACKHOES, AND BACKHOES	VEGETATION CLEARING EQUIPMENT
DIGGER DERRICKS AND DRILL RIGS	VEGETATION INCINERATOR
GRADERS	HELICOPTERS
FORKLIFTS	MARSH BUGGIES

NOTE: THESE DRAWINGS
ARE TO BE USED EXCLUSIVELY
FOR THE ACQUISITION OF
REGULATORY PERMITS

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ENTERGY LOUISIANA, LLC

ALLIANCE AND BARATARIA SUBSTATION EXPANSIONS JEFFERSON AND PLAQUEMINES PARISHES, LOUISIANA CALCULATION SHEET



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GIS FILE: 12900_BARATARIA_CALC_SUB_MXD	

T-LINE STRUCTURES - CALCULATION SHEET

EXCAVATION/FILL CHART & EQUIPMENT LIST FOR PROPOSED ELECTRIC POLE INSTALLATION EXPANSION		
EXCAVATIONS:		
CLASSIFICATION	CUBIC YARDS	ACREAGE
WATERBOTTOMS:	0	0
HERBACEOUS WETLANDS:	0	0
SCRUB SHRUB WETLANDS:	0	0
NON-WET AREAS	0	0
FILL AREAS:		
CLASSIFICATION	CUBIC YARDS	ACREAGE
WATERBOTTOMS:	0	0
HERBACEOUS WETLANDS:	0	0
SCRUB SHRUB WETLANDS:	0	0
NON-WET AREAS	0	0
FILL MATERIALS:		
CLASSIFICATION	CUBIC YARDS	
CONCRETE:	0	
CRUSHED STONE OR GRAVEL:	0	
NATIVE MATERIAL (CLAY, MUD, SOIL):	0	
CONCRETE MATTING:	0	
SAND:	0	
ADDITIONAL IMPACTS (POLE INSTALLATION)		
CLASSIFICATION	ACREAGE	
HERBACEOUS WETLANDS:	0.0078	
FORESTED WETLANDS:	0	
CANAL CROSSING AREAS:	0	

EQUIPMENT LIST:

CRANES	TRACTORS
BUCKET AND AERIAL PLATFORMS TRUCKS	TANKER TRUCKS
WIRE PULLING EQUIPMENT	SKIDDERS
VIBRATORY HAMMER AND HYDRAULIC POWER UNIT	TRAILERS
BULLDOZERS	SLEDS
EXCAVATORS, TRACKHOES, AND BACKHOES	VEGETATION CLEARING EQUIPMENT
DIGGER DERRICKS AND DRILL RIGS	VEGETATION INCINERATOR
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ENTERGY LOUISIANA, LLC

T-LINE STRUCTURES JEFFERSON AND PLAQUEMINES PARISHES, LOUISIANA CALCULATION SHEET



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GIS FILE: 12900_BARATARIA_CALC_POLE_.MXD	

PROPOSED POLE LOCATION COORDINATES

BARATARIA SUBSTATION				
NAME	LAT	LON	X	Y
1A	3662823.738	460415.1204	90° 7' 45.85" W	29° 45' 37.91" N
	3662833.498	460435.8708	90° 7' 45.74" W	29° 45' 38.12" N
	3662811.513	460395.783	90° 7' 45.99" W	29° 45' 37.72" N
ALLIANCE SUBSTATION				
NAME	LAT	LON	X	Y
125	3710250.885	432165.2598	89° 58' 51.56" W	29° 40' 53.03" N
1	3710243.94	432215.607	89° 58' 51.63" W	29° 40' 53.53" N
2	3709979.357	432201.0237	89° 58' 54.63" W	29° 40' 53.42" N
127	3709927.273	432214.2181	89° 58' 55.22" W	29° 40' 53.55" N
128	3709938.905	431792.2563	89° 58' 55.15" W	29° 40' 49.38" N
3	3709989.687	431786.1799	89° 58' 54.57" W	29° 40' 49.31" N
129	3709966.249	431199.3744	89° 58' 54.92" W	29° 40' 43.50" N
4	3710017.464	431202.4126	89° 58' 54.33" W	29° 40' 43.53" N
5	3710061.301	430880.364	89° 58' 53.88" W	29° 40' 40.34" N
130	3710007.482	430904.2355	89° 58' 54.49" W	29° 40' 40.58" N
6	3709863.385	430715.4334	89° 58' 56.15" W	29° 40' 38.73" N
131	3709832.569	430757.1001	89° 58' 56.49" W	29° 40' 39.14" N
7	3709699.322	430563.0897	89° 58' 58.03" W	29° 40' 37.24" N
132	3709649.409	430589.9994	89° 58' 58.59" W	29° 40' 37.51" N
8	3709723.628	430204.1487	89° 58' 57.80" W	29° 40' 33.68" N
133	3709673.714	430196.3362	89° 58' 58.37" W	29° 40' 33.61" N
9	3709840.381	429932.4473	89° 58' 56.51" W	29° 40' 30.98" N
134	3709812.169	429848.6799	89° 58' 56.84" W	29° 40' 30.15" N

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ENTERGY LOUISIANA, LLC

ALLIANCE AND BARATARIA SUBSTATION EXPANSIONS JEFFERSON AND PLAQUEMINES PARISHES, LOUISIANA PROPOSED POLE LOCATION COORDINATES



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APPROVED BY:	DATE: 4/12/2018
REVISION BY:	JOB NO.: 12900-00
GIS FILE: 12900_ALLIANCE_BARATARIA_XY_.MXD	

CZM NOTES

1. THE ENTIRE ALLIANCE SUBSTATION AREA, EXTENDING TO THE SWALES AT THE BASE OF THE PROTECTED SIDE OF THE NEW LEVEE SHALL BE SURFACED WITH 12" OF FILL OVER A GEOTEXTILE FABRIC.
2. SWALES SHALL BE LINED WITH A GEOTEXTILE FABRIC AND COVERED WITH 6" OF #4 BALLAST IN ACCORDANCE ENTERGY STANDARDS.
3. DRIVEWAYS SHALL MEET ALL LADOTD AND ENTERGY REQUIREMENTS, INCLUDING GRUBBING, GEOTEXTILE FABRIC, AND PLACING 12" OF #610 GREY LIMESTONE.
4. APPROXIMATELY 9,438 CUBIC YARDS (3.54 ACRES) OF MATERIAL WILL BE DISPLACED DURING THE EXCAVATION OF THE PROPOSED EXPANSION SURFACE. THE EXCAVATED AREA WILL BE REPLACED WITH APPROXIMATELY 9,438 CUBIC YARDS (3.54 ACRES) OF SAND. APPROXIMATELY 6,292 CUBIC YARDS (3.54 ACRES) OF #610 GREY LIMESTONE WILL BE PLACED ON TOP OF THE SAND. SEE SHEET 8.
5. APPROXIMATELY 2,222 CUBIC YARDS (1.38 ACRES) OF SOIL MATERIAL WILL BE USED AS FILL TO CONSTRUCT THE PROPOSED LEVEE.
6. APPROXIMATELY 0.14 ACRES OF HERBACEOUS WETLANDS, AND APPROXIMATELY 0.70 ACRES OF FORESTED WETLANDS WILL BE PERMANENTLY IMPACTED DUE TO CONSTRUCTION OF THE SUBSTATION EXPANSION. APPROXIMATELY 0.24 ACRES OF FORESTED WETLANDS ARE TO BE PERMANENTLY FILLED DURING SUBSTATION EXPANSION CONSTRUCTION AND APPROXIMATELY 0.46 ACRES WILL BE CONVERTED TO HERBACEOUS WETLANDS DUE TO CONSTRUCTION OF THE ROW.
7. THE ENTIRE BARATARIA SUBSTATION AREA SHALL BE SURFACED WITH 12" OF #610 GREY CRUSHED LIMESTONE OVER A GEOTEXTILE FABRIC.
8. APPROXIMATELY 7550.40 CUBIC YARDS (1.56 ACRES) OF MATERIAL WILL BE DISPLACED DURING THE EXCAVATION OF THE PROPOSED EXPANSION SURFACE. THE EXCAVATED AREA WILL BE REPLACED WITH APPROXIMATELY 7550.40 CUBIC YARDS (1.56 ACRES) OF SAND. APPROXIMATELY 2,516.81 CUBIC YARDS (1.56 ACRES) OF #610 GREY LIMESTONE WILL BE PLACED ON TOP OF THE SAND. SEE SHEET 16.
9. APPROXIMATELY 1.22 ACRES OF HERBACEOUS WETLANDS, APPROXIMATELY 0.29 ACRES OF SCRUB SHRUB WETLANDS, AND APPROXIMATELY 0.05 ACRES OF OTHER WATERS WILL BE IMPACTED DUE TO CONSTRUCTION OF THE SUBSTATION EXPANSION. SEE SHEET 16.
10. FOUR ELECTRICAL POLES INSTALLED IN THE PROPOSED ALLIANCE SUBSTATION ROW WILL PERMANENTLY IMPACT APPROXIMATELY 0.0104 ACRES OF OTHER WATERS. THREE ELECTRICAL POLES INSTALLED IN THE PROPOSED BARATARIA SUBSTATION ROW WILL PERMANENTLY IMPACT APPROXIMATELY 0.0078 ACRES OF HERBACEOUS WETLANDS. ELECTRICAL POLES WILL BE INSTALLED ON VIBRATORY CAISON FOUNDATIONS. VIBRATORY CAISON FOUNDATION INSTALLATIONS REQUIRE NO EXCAVATION OR FILL. SEE SHEET 9 FOR ALLIANCE CALCULATIONS AND SHEET 17 FOR BARATARIA CALCULATIONS.
11. AS-BUILT DRAWINGS SHALL BE SUBMITTED WITHIN 30 DAYS OF COMPLETION OF THIS PROJECT TO THE LOUISIANA DEPARTMENT OF NATURAL RESOURCES, COASTAL MANAGEMENT DIVISION, P.O. BOX 44487, BATON ROUGE, LA, 70804-4487.
12. STRUCTURES WILL BE MARKED/LIGHTED IN ACCORDANCE WITH U.S. COAST GUARD REGULATIONS.
13. IN ORDER TO ENSURE THE SAFETY OF ALL PARTIES, THE PERMITTEE SHALL CONTACT THE LOUISIANA ONE-CALL SYSTEM (1-800-272-3020) A MINIMUM OF 48 HOURS PRIOR TO THE COMMENCEMENT OF ANY EXCAVATION (DIGGING, DREDGING, JETTING, ETC.) OR DEMOLITION ACTIVITY.
14. NO DREDGING OR WHEELWASHING IS REQUIRED WITHIN THE PROJECT AREA.

NOTE: NO FIELD SURVEY WAS MADE FOR THIS PROJECT AND NO ON-THE-GROUND EFFORT HAS BEEN MADE TO LOCATE AND INDICATE ALL CABLES, PIPELINES, ETC. CROSSED BY THE PROPOSED PROJECT. THEREFORE, MORRIS P. HEBERT, INC. IS NOT RESPONSIBLE FOR ANY LOCATED DURING THE COURSE OF THE PROJECT.

NOTE: THIS DRAWING WAS PREPARED FOR PERMITTING PURPOSES ONLY, AND IS NOT A PROPERTY BOUNDARY SURVEY AND AS SUCH DOES NOT COMPLY WITH THE STANDARDS SET FORTH FOR PROPERTY BOUNDARY SURVEYS BY THE PROFESSIONAL LAND SURVEY LICENSING INSTITUTE FOR THE STATE(S) ILLUSTRATED.

ENTERGY LOUISIANA, LLC

ALLIANCE AND BARATARIA SUBSTATION EXPANSIONS JEFFERSON AND PLAQUEMINES PARISHES, LOUISIANA CZM NOTES



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