ENVIRONMENTAL ASSESSMENT

Concerning:

Entergy Louisiana, LLC – Golden Meadow-Barataria Transmission Line
Demolition and Rebuild
Through
Jean Lafitte National Historical Park & Preserve
Jefferson Parish, Louisiana

Prepared For

National Park Service – U.S. Dept. of the Interior
Jean Lafitte National Historic Park & Preserve
419 Decatur St.
New Orleans, LA 70130

And

Entergy Louisiana, LLC
4809 Jefferson Highway
New Orleans, Louisiana 70121

November 2022

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EXECUTIVE SUMMARY

This Environmental Assessment (EA) was prepared for the National Park Service (NPS) to evaluate the proposed demolition and rebuilding of the Golden Meadow-Barataria electrical transmission line within the Barataria Preserve of Jean Lafitte National Historical Park and Preserve (JELA). The EA has been prepared in accordance with the National Environmental Policy Act (NEPA) of 1969, the Council on Environmental Quality (CEQ) regulations to implement NEPA (40 Code of Federal Regulations Parts 1500-1508), and the U.S. Department of the Interior (DOI) regulations implementing NEPA (43 CFR Part 46), and the NPS Director's Order #12: Conservation Planning, Environmental Impact Analysis and Decision-Making, and accompanying the NPS NEPA Handbook (2015).

Entergy Louisiana, LLC (Entergy) has requested a special use permit (SUP) from the NPS to demolish and rebuild the existing timber and steel supported transmission lines within Entergy's permitted right-of-way (ROW) which crosses the Barataria Preserve of JELA. The Golden Meadow-Barataria transmission line provided a critical pathway of power to the electrical transmission system in southeast Louisiana and was damaged during Hurricane Zeta in 2020 and Hurricane Ida in 2021.

The EA analyzes an Action Alternative and describes the environment that would be affected by the alternative and assesses the environmental consequences of implementing the alternative.

The EA also analyzes the No Action Alternative, in which the NPS would not issue a SUP to Entergy, resulting in abandonment in place of the existing 2.63 miles of the Golden Meadow-Barataria 115kV T-Line through JELA.

This EA examines potential impacts on Visitor Use and Experience & Aesthetic Environment, Cultural Resources, Soils and Geology, Water Resources, Soundscapes, Wildlife and Protected Species, and Coastal Zone and Wetlands.

PUBLIC REVIEW AND COMMENTS

This EA will be available for public comment for a period of 30 days. The NPS will provide copies to interested individuals upon request. Comments should be submitted to the NPS prior to the end of the review period. The NPS will review and analyze all public comments prior to release of the decision document. The NPS will issue responses to substantive comments received and will note any editorial changes to the EA in an errata, if necessary.

Submit comments to: http://parkplanning.nps.gov/jela (click on project)

While we prefer that you use the online tool above, you may also submit written comments to:

Superintendent
Jean Lafitte NHP & Preserve
419 Decatur Street
New Orleans, LA 70130
Subject: Entergy Golden Meadow-Barataria

Be advised that your entire comment, including your personally identifying information (phone number, email address or other personally identifying information), may be made publicly available at any time. While you may ask us in your comment to withhold this information, we cannot guarantee that we will be able to do so.

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ACRONYMS

Area of Potential Effect	APE
Avian Power Line Interaction Committee	APLIC
Bald and Golden Eagle Protection Act	BGEPA
Barataria Historic District	BHD
Below ground surface	bgs
Best Management Practice	BMP
Biochemical oxygen demand	BOD
Birds of Conservation Concern	BCC
Carbon monoxide	CO
Clean Water Act	CWA
Coastal Use Permit	CUP
Comprehensive Environmental Response, Compensation, and Liability Act	CERCLA
Council on Environmental Quality	CEQ
Decibels	dBA
Endangered Species Act	ESA
Environmental Assessment	EA
Essential fish habitat	EFH
Executive Order	EO
Fisheries management program	FMP
Flood Insurance Rate Map	FIRM
Gulf Intracoastal Waterway	GIWW
Gulf of Mexico Fisheries Management Council	GMFMC
Inches per hour	in/hr
Information for Planning and Consultation	IPaC
Jean Lafitte National Historical Park and Preserve	JELA
Lead	Pb
Louisiana Natural Heritage Program	LNHP
Louisiana Department of Environmental Quality	LDEQ
Louisiana Department of Natural Resources	LDNR
Louisiana Department of Wildlife and Fisheries	LDWF
Louisiana Pollutant Discharge Elimination System	LPDES
Migratory Bird Treaty Act	MBTA
National Ambient Air Quality Standards	NAAQS
National Environmental Policy Act	NEPA

National Historic Preservation Act	NHPA
National Marine Fisheries Service	NMFS
National Park Service	NPS
National Register of Historic Places	NRHP
National Wetlands Inventory	NWI
Nitrogen dioxide	NO2
Office of Coastal Management	OCM
Ozone	O3
Particulate matter	PM
Resource Conservation and Recovery Act	RCRA
right-of-way	ROW
Risk Evaluation Corrective Action Plan	RECAP
Saturated hydraulic conductivity	Ksat
Special use permit	SUP
State Historic Preservation Office	SHPO
Storm Water Pollution Prevention Plan	SWPPP
Sulfur dioxide	SO2
Total suspended solids	TSS
Tribal Historic Preservation Office	THPO
U.S. Army Corps of Engineers	USACE
U.S. Department of the Interior	DOI
U.S. Environmental Protection Agency	EPA
U.S. Fish and Wildlife Service	FWS
Unmanned aerial vehicle	UAV
Visual Impact Assessment	VIA
Wildlife Diversity Program	WDP
Wetland Statement of Findings	WSOF

1.0 INTRODUCTION

This Environmental Assessment (EA) was prepared for the National Park Service (NPS) to evaluate the proposed demolition and rebuilding of the Golden Meadow-Barataria electrical transmission line within the Barataria Preserve of Jean Lafitte National Historical Park and Preserve (JELA). The EA has been prepared in accordance with the National Environmental Policy Act (NEPA) of 1969, the CEQ regulations to implement NEPA (40 Code of Federal Regulations Parts 1500-1508), and the U.S. Department of the Interior (DOI) regulations implementing NEPA (43 CFR Part 46), and the NPS Director's Order #12: Conservation Planning, Environmental Impact Analysis and Decision-Making, and accompanying the NPS NEPA Handbook (2015).

Entergy Louisiana, LLC (Entergy) has requested a special use permit (SUP) from the NPS to demolish and rebuild the existing timber and steel supported transmission lines within Entergy's permitted right-of-way (ROW) which crosses the Barataria Preserve of JELA. The Golden Meadow-Barataria transmission line provided a critical pathway of power to the electrical transmission system in southeast Louisiana and was damaged during Hurricane Zeta in 2020 and Hurricane Ida in 2021.

The Golden Meadow-Barataria transmission line runs from the Golden Meadow Substation located in Golden Meadow, Louisiana to the Barataria Substation in the southern portion of the Barataria Preserve unit near Jones Point (+/-30.7 total miles). The line runs approximately 2.63 miles through the Barataria Preserve within an existing ROW ranging from 100 feet to 175 feet wide within the park.

Background

The NPS Organic Act of 1916 established the NPS within the DOI and requires the NPS to "promote and regulate the use of the National Park System by means and measures that conform to the fundamental purpose of the System units, which purpose is to conserve the scenery, natural and historic objects, and wild life in the System units and to provide for the enjoyment of the scenery, natural and historic objects, and wild life in such manner and by such means as will leave them unimpaired for the enjoyment of future generations." (54 U.S. Code § 100101)

On November 10, 1978, Congress enacted Title IX of Public Law 95-625 which states that JELA was established in order to "preserve for the education, inspiration, and benefit of present and future generations significant examples of natural and historical resources of the Mississippi Delta region and to provide for their interpretation in such a manner as to portray the development of cultural diversity in the region." JELA includes the Barataria Preserve (Preserve) in Jefferson Parish, Louisiana.

The existing Golden Meadow-Barataria transmission line was constructed in 1964 and was damaged during Hurricane Zeta in 2020 and Hurricane Ida in 2021. Prior to the storms, the majority of the line required periodic maintenance on rapidly deteriorating timber and steel support structures which involved the use of tracked amphibious marsh equipment crossing sensitive wetlands multiple times throughout a typical year. The Golden Meadow-Barataria transmission line provided a critical pathway of power to the electrical transmission system in southeast

Louisiana, but it is no longer in usable condition as a result of the damage sustained from two recent hurricane events (2020-2021).

There are two (2) agreements between Louisiana Power & Light Company (LP&L), Entergy's predecessor, included in the deeds of two (2) primary landowners, who were previous owners within the Barataria Preserve along the Golden Meadow-Barataria transmission line. These ROW agreements predate the establishment of JELA. The United States subsequently acquired the lands subject to the existing ROW, including the servitudes and rights of way within the deeds. Existing right-of-way agreements allow Entergy to operate, repair, inspect, patrol, and maintain the electrical transmission line, poles, wire, and other appurtenances. Additional operation and maintenance SUPs also provide for vegetation and tree trimming and cutting for ROW maintenance.

Entergy's overall project is divided into two (2) segments. The first segment involves demolishing and rebuilding approximately 28.13 miles of existing line starting at the Golden Meadow Substation and ending at the structure situated southwest of Jones Point (Structure 286) outside of the NPS boundary. This portion of the transmission line lies outside of the NPS boundary and therefore is not part of the Proposed Action considered in this EA. Impacts from this portion of the transmission line construction are considered in the cumulative effects analysis in this document. This EA is evaluating the second segment of the transmission line that falls within the boundaries of the Barataria Preserve.

Proposed Action

The proposed federal action consists of the NPS issuing a construction SUP to Entergy to re-establish the Golden Meadow-Barataria transmission line within the Barataria Preserve of JELA.

The Proposed Action being evaluated in detail by this EA begins at the structure situated within the NPS boundary just west of Bayou Segnette (Structure 287) and terminates at the Barataria Substation. The entire length of this line section is approximately 2.63 miles and includes twenty-nine (29) structures to be demolished and twenty-eight (28) to be rebuilt within the Preserve. Figures 1-3 depict the location of the proposed transmission line within the Preserve boundaries.

Purpose and Need

The purpose of the NPS' action is to determine whether or not to issue a construction SUP to allow Entergy to re-establish the Golden Meadow-Barataria transmission line within the Barataria Preserve of JELA. The Golden Meadow-Barataria transmission line served as a primary pathway of power to the electrical transmission system that feeds southern Lafourche and Jefferson Parishes. Considerable damage to the line occurred during Hurricane Zeta in 2020 and Hurricane Ida in 2021. To re-establish the line, Entergy would demolish and rebuild the existing timber and steel supported 115kV transmission line crossing the Barataria Preserve.

The current condition of the line warrants removal and replacement due to support structures becoming significantly damaged during the hurricane events. In addition, completion of the proposed project would reestablish one of the primary pathways of power to the electrical transmission system and eliminate potential hazards that result from the presence of damaged

structures. The project would also result in increased transmission grid reliability and future load serving capabilities for the Golden Meadow-Barataria line. In order to proceed with the Proposed Action, Entergy must obtain a SUP for construction from the NPS.

Figure 1. Overview Map of Project Corridor within JELA Boundaries

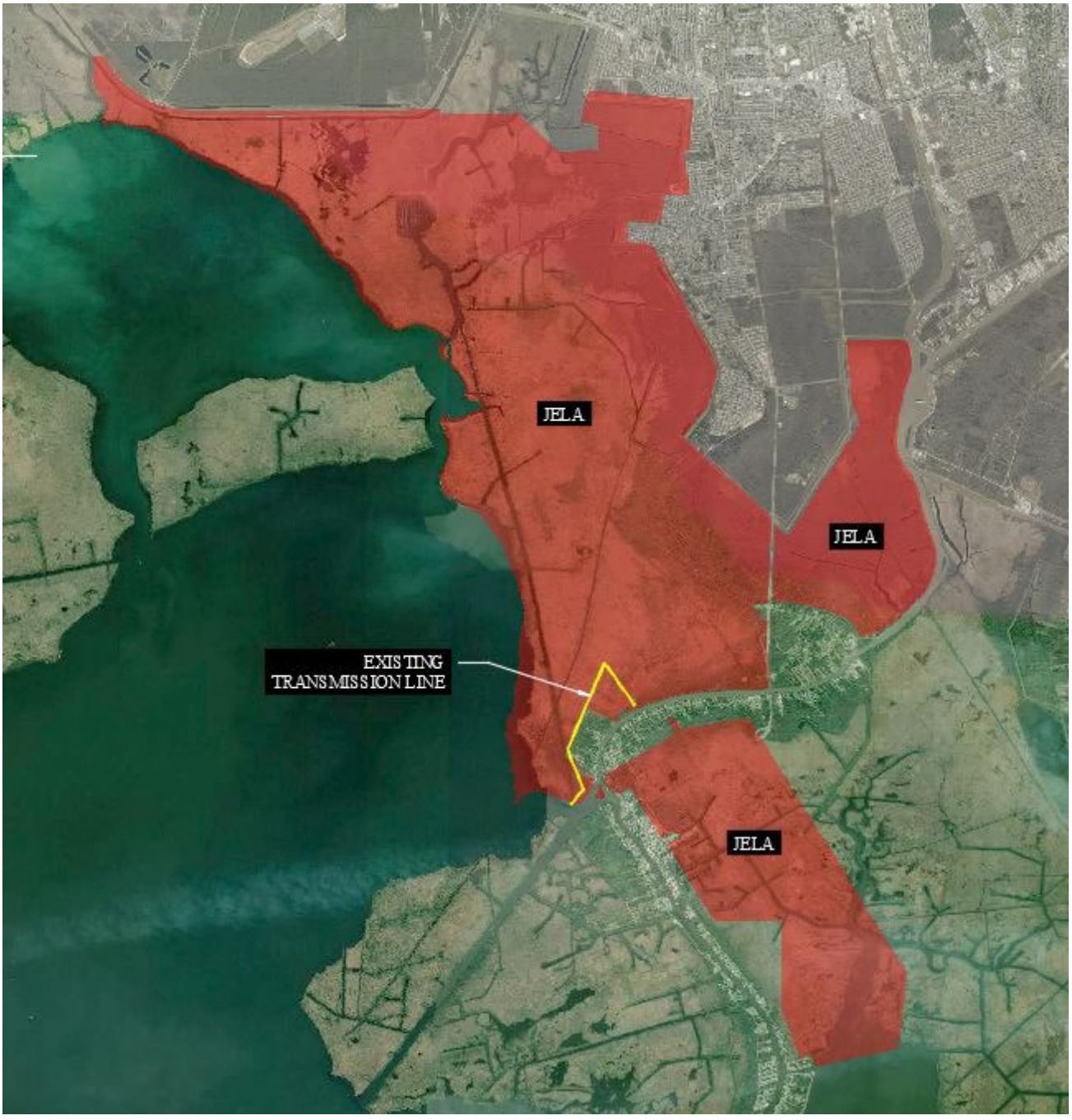


Figure 2. Project Corridor through JELA (Structures 298-315)

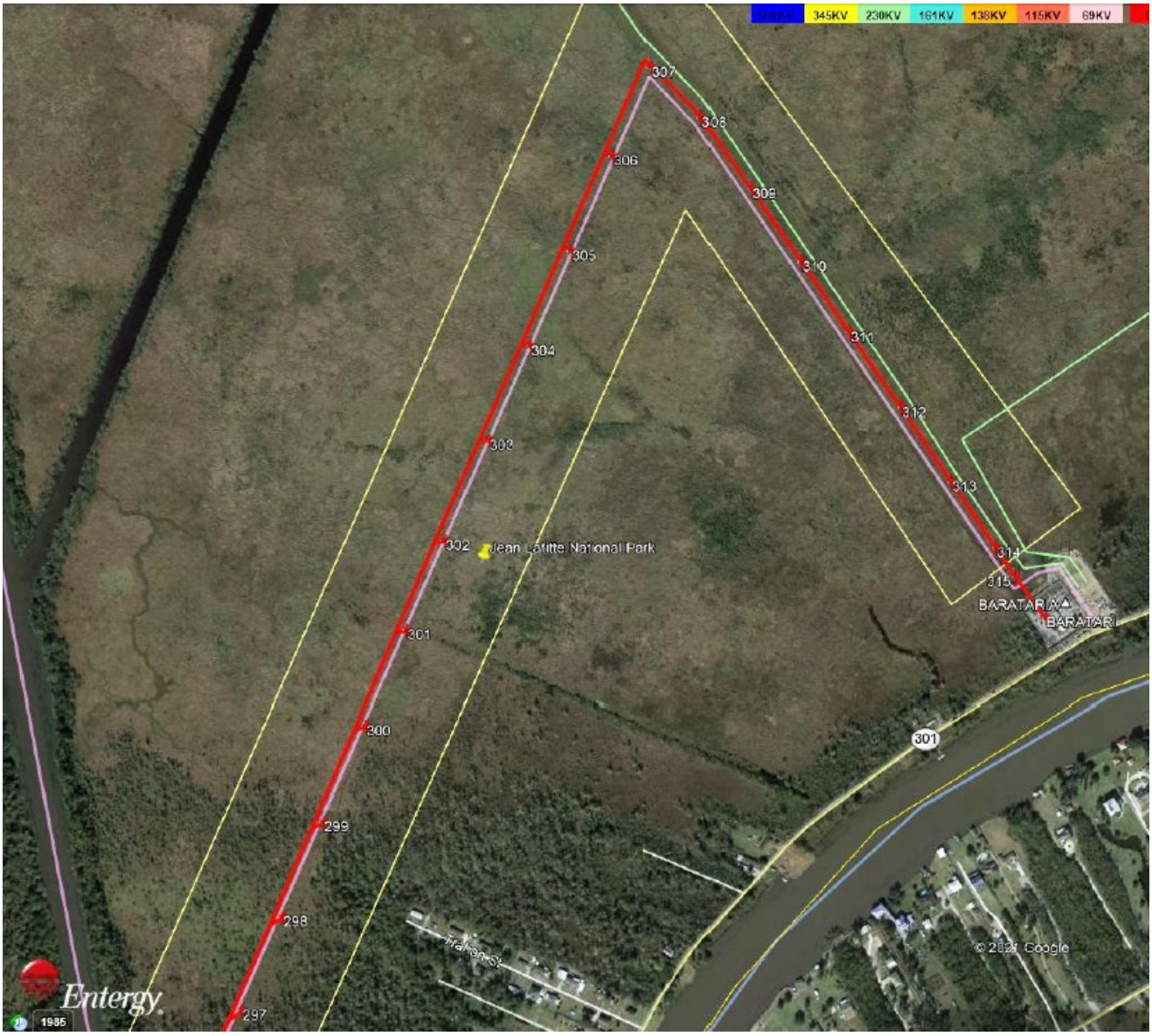
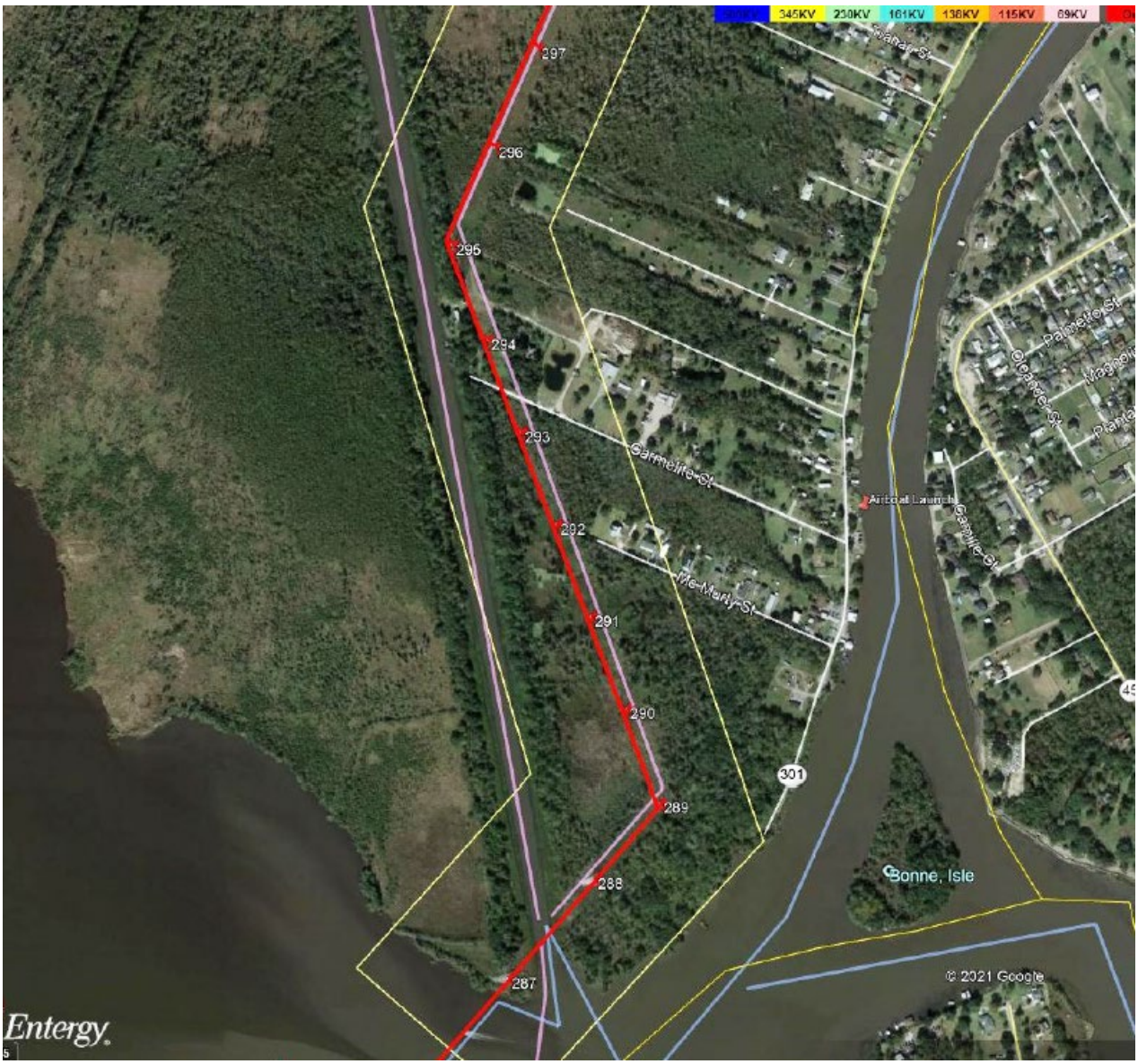


Figure 3. Project Corridor through JELA (Structures 287-297)



ISSUES AND IMPACT TOPICS

An important part of planning is seeking to understand the consequences of making one decision over another. Environmental assessments identify the anticipated impacts of possible actions on resources and on park visitors and neighbors.

Impact topics are specific natural, cultural, or socioeconomic resources or values (including visitor use and experience and park operations) that could be affected by implementation of any of the alternatives described in the EA, including the no-action alternative. Impacts to these resources or values must be identified, and the intensity or magnitude, duration, and timing of the effect to each resource must be disclosed in the environmental consequences section of the EA.

The NPS, participating agencies, and Entergy identified specific issues and concerns related to implementing the Proposed Action. Some of these issues and concerns were considered but were ultimately dismissed from detailed analysis. Other issues and concerns were retained for detailed analysis and are included in the impact topics that are discussed in the Affected Environment and Environmental Consequences chapters of the EA. The NPS organizes the discussions of the affected environment and environmental consequences by “impact topics”, which are headings that represent the affected resources associated with the issues refined during internal coordination.

Impact Topics Analyzed for Detailed Analysis

Impact topics represent resources that could be affected, either beneficially or adversely, by implementing any of the proposed alternatives. This EA analyzes issues and impact topics for the project area. The following topics are carried forward for further analysis:

- Visitor Use and Experience & Aesthetic Environment
- Cultural Resources
- Soils and Geology
- Water Resources
- Soundscapes
- Wildlife and Protected Species
- Coastal Zone and Wetlands

Impacts Considered but Dismissed from Further Analysis

The NEPA and the CEQ regulations direct agencies to prepare NEPA documents that are “concise, clear, and to the point.” Several issues and impact topics were considered during the development of the EA but were ultimately dismissed from detailed analysis for the following reasons: potential environmental impacts associated with the issue are not central to the proposal or of critical importance, and/or a detailed analysis of environmental impacts related to the issue is not necessary to make a reasoned choice between alternatives. In cases where impacts are not anticipated or are expected to be minimal, the impact topics were dismissed. Details on the dismissal for these issues are described in the following subsections.

Environmental Justice & Socioeconomics

Executive Order (EO) 12898 (U.S. Department of Housing and Urban Development) states that each federal agency shall make achieving environmental justice part of its mission by identifying and addressing, as appropriate, disproportionately high and adverse human health or environmental effects of its programs, policies, and activities on minority populations and low-income populations.

The towns of Marrero and Jean Lafitte are the nearest inhabited areas to the proposed project. Jones Point is a neighborhood that is part of Marrero and is situated directly adjacent to the project area's southern boundary. Crown Point, another neighborhood that is part of Marrero, is east of the project area. In addition, the highly developed city of New Orleans and surrounding industrialized areas along the Mississippi River are situated approximately 10 miles north of the Golden Meadow-Barataria Transmission Line.

According to demographic data available online for the town of Jean Lafitte (2010 US Census Bureau), Jean Lafitte has an approximate population of 1,903 people. The town of Jean Lafitte has a total land area of 6.22 square miles with a population density of 306 people per square mile. Approximately 91% of the population in Jean Lafitte is white with the remainder of the minority population being comprised of Hispanic/Latino, African American, Native American, and Asian ethnicities. The United States Environmental Protection Agency (EPA) "EJ Screen" mapping tool was utilized to compare populations residing within the project area to the national averages established for socioeconomic indicators such as "People of Color" or "Low Income" (the two demographic factors that were explicitly named in EO 12898 on Environmental Justice). These socioeconomic indicators fell within the 29th and 40th percentile respectively, or what percentage of the US population has an equal or lower value for those indicators. In addition, the "Demographic Index", which is a combination of percent low-income and percent minority, fell within the 35th percentile.

The existing transmission line ROW runs primarily through undeveloped areas of Jefferson Parish where few residents currently reside. Because the location of the line is in a relatively undeveloped area, the construction would not disproportionately effect minority or low-income populations.

Air Quality

The Clean Air Act was established to protect public health and welfare nationwide and requires EPA to establish national ambient air quality standards (NAAQS) for certain common and widespread pollutants based on the latest science. The EPA has set air quality standards for six common "criteria pollutants" which consist of particulate matter (PM), ozone (O3), sulfur dioxide (SO2), nitrogen dioxide (NO2), carbon monoxide (CO), and lead (Pb) under NAAQS.

Currently, Jefferson Parish is in attainment with the NAAQS meaning that the ambient concentrations of regulated pollutants do not exceed the air quality standards established. Because this project is located within an attainment parish with regards to the criteria pollutants, it is not subject to more stringent air quality requirements.

Under the Proposed Action, internal combustion engine construction equipment operation would result in a temporary increase in pollutant emissions such as CO, NO2, O3, and PM. No significant impacts to air quality are expected based on the anticipated duration (approximately

12 months) of the project and the maximum number of operating hours of this equipment (approximately 10-12 hours per day). Due to the short-term minor impacts to Air Quality associated with the Proposed Action, the attainment status of Jefferson Parish would not be altered.

Floodplains

Executive Order 11988 requires federal agencies to avoid, to the extent possible, adverse impacts associated with the occupancy and modification of floodplains and to avoid direct or indirect support of development in floodplains wherever there is a practicable alternative. Requirements of EO 11988 are applied to the NPS facilities in DO 77-2 and the supporting Procedural Manual 77-2: Floodplain Management.

The digital Flood Insurance Rate Map (FIRM) database for Jefferson Parish was reviewed for the project area. The project area is within the boundaries of FIRM 22051C0245F and 22051C0300F. According to the digital FIRM, the project area is entirely within "Zone AE" which falls within the 100-year floodplain (1% annual flood chance). The base flood elevation established for this area is +7 feet.

The Proposed Action is a replacement of existing infrastructure with more resilient structures and materials which would ensure protection of the capital investment and would not create potential for impacts to human life or health. The Proposed Action would reduce the footprint on the floodplain and therefore represents an improvement to floodplain resources and values over the long term. No changes to the hydrology or overall function of the floodplain would occur as a result of the proposed project.

Hazardous Materials

A material can be defined as hazardous if it meets the established criteria for reactivity, corrosivity, toxicity, and ignitibility. The federal statutes enacted to regulate hazardous materials are the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA or Superfund) and the Resource Conservation and Recovery Act (RCRA). Management of hazardous materials and waste is regulated on the state level by the Louisiana Department of Environmental Quality (LDEQ). Releases of hazardous materials can result in contamination of surface soils, surface water, and groundwater.

The EPA online Enviromapper was reviewed for the project area. Databases searched included air pollution, toxic releases, hazardous wastes, water dischargers, brownfield sites, and sites registered under the Toxic Substances Control Act. No facilities or incidents that fall under any of these database categories were mapped within Barataria Preserve.

Under the Proposed Action, handling and storage of hazardous materials is not expected to occur. Materials such as diesel fuel, lubricating oils, and hydraulic oils are not classified as hazardous, but a release of these substances could cause adverse impacts to the surface soils, groundwater, and surface water. Under the Proposed Action, these petroleum-based products would be utilized for the operation of construction equipment within the ROW, and no bulk storage of these products would occur within JELA.

Climate Change

The impacts of climate change on the park are not expected to differ among the alternatives, and the lack of quantitative information about climate change effects adds to the difficulty of predicting how these impacts will be realized within its boundaries. For example, climate change may impact the park's wetlands as sea level rises. Visitor experiences may be diminished as trails, archeological, and historic resources become compromised, lose integrity, or are flooded because of the effects of climate change and sea level rise.

Climate change will also likely affect the vegetation and wildlife communities of the park because of the projected changes in annual temperature and precipitation and increases in extreme weather events. However, the rate and magnitude of these changes to specific populations of plants and animals is difficult to predict.

The range of variability in the potential effects of climate change is large in comparison to what we know about the future under an altered climate regime in the park in particular. Therefore, the potential effects of this dynamic climate on park resources will not be analyzed in detail in Environmental Consequences with respect to each alternative because of the uncertainty and variability of outcomes and because these impacts are not expected to differ among the alternatives.

The Proposed Action is a replacement of existing infrastructure with more resilient structures and materials which would ensure protection of the capital investment and would not create potential for impacts to human life or health. The Proposed Action would reduce the footprint on the land and therefore represents an improvement to natural resources over the long term.

2.0 ALTERNATIVES

The CEQ regulations for NEPA provide guidance on the consideration of alternatives in an EA. These regulations require the decision-maker (NPS) to consider the environmental effects of the Proposed Action and a range of alternatives, including no action (40 CFR 1502.14). The NPS must consider reasonable alternatives, and for alternatives eliminated from detailed study, must briefly discuss the reasons for them having been eliminated. To be reasonable, an alternative must meet the stated purpose of and need for the project and should be technically and economically feasible.

This EA explores and objectively evaluates two alternatives in this EA.

- No Action
- Proposed Action

No Action Alternative

Under the No Action Alternative, the NPS would not issue a SUP or allow Entergy to demolish and rebuild the existing 2.63 miles of the Golden Meadow-Barataria 115kV T-Line through JELA. The No Action Alternative would not eliminate the potential hazards that result from the presence of damaged structures within the Preserve. The No Action Alternative would also not re-establish one of the primary pathways of power to the electrical transmission system and provide increased transmission grid reliability and future load serving capabilities for the Golden Meadow-Barataria line. Due to the condition of the line following recent storm events, no continual maintenance activities would be required under the No Action Alternative, resulting in abandonment in place of the existing 2.63 miles of the Golden Meadow-Barataria 115kV T-Line through JELA.

Proposed Action

Under the Proposed Action, the NPS would issue Entergy a SUP with conditions to demolish and rebuild approximately 2.63 miles of the Golden Meadow-Barataria 115kV line within the existing ROW which ranges from 100 feet to 175 feet wide inside the Preserve. The alternative would involve the removal and replacement of 29 support structures.

The initial construction phase (demolition) would involve all wires and exposed portions of the structures being removed. The below-grade portions of the structures (foundation pilings and guy wire anchors) would also be removed; however, if reasonably non-invasive construction methods are unsuccessful in removing these foundation pilings or guy wire anchors, then the foundation pilings would either be cut off or driven down to 3 feet below grade, and the guy anchors would be cut off 3 feet below grade. Monopole structures would be dismantled and transported to nearby barges with marsh equipment.

The two (2) existing lattice structures (287 & 288) would be removed using a combination of explosives and ground-based equipment. A licensed blasting contractor would first weaken each structure by cutting notches near the bases of the four (4) steel legs. Two (2) of the legs would then be wrapped in shaped explosive charges. Non-electric detonators would be used to eliminate safety risks associated with electric detonators (i.e, radio and electromagnetic radiation, and stray electrical current concerns). A clear zone encompassing a 1,500 foot radius around each of the

two structures would be established and personnel in boats would control marine traffic within this zone. All personnel within a ¼ mile radius of the blast would be required to remain behind cover until the “all clear” is formally given. Charges would be simultaneously triggered, and the two legs of the structure with the charges would sever, forcing that side of the structure upward. The two (2) opposite legs would hinge at the notches, allowing the tower to rotate over and drop towards within the existing ROW. Once these structures are safely lowered to ground level, hydraulic sheers would be utilized to dismantle the towers, and the resulting pieces would be hauled to nearby barges using marsh equipment.

Open water access routes would be utilized to the maximum extent practical by the marsh buggies and/or marsh cranes. Tugs and barges would access the project area from the south via the Gulf Intracoastal Waterway (GIWW) and utilize deep water areas (Bayou Segnette) to stage equipment to the maximum extent practical. Bayou Segnette would also be utilized by airboats and outboard driven vessels to transport personnel to the project area from the north. Demo barges would be used to stage debris as well as housing barge-mounted cranes which would remove the steel lattice structures that are in or near (and are accessible via) navigable waters. Airboat-mounted equipment would be utilized where practical. This Alternative would eliminate the potential hazards that result from the presence of damaged structures within the Preserve.

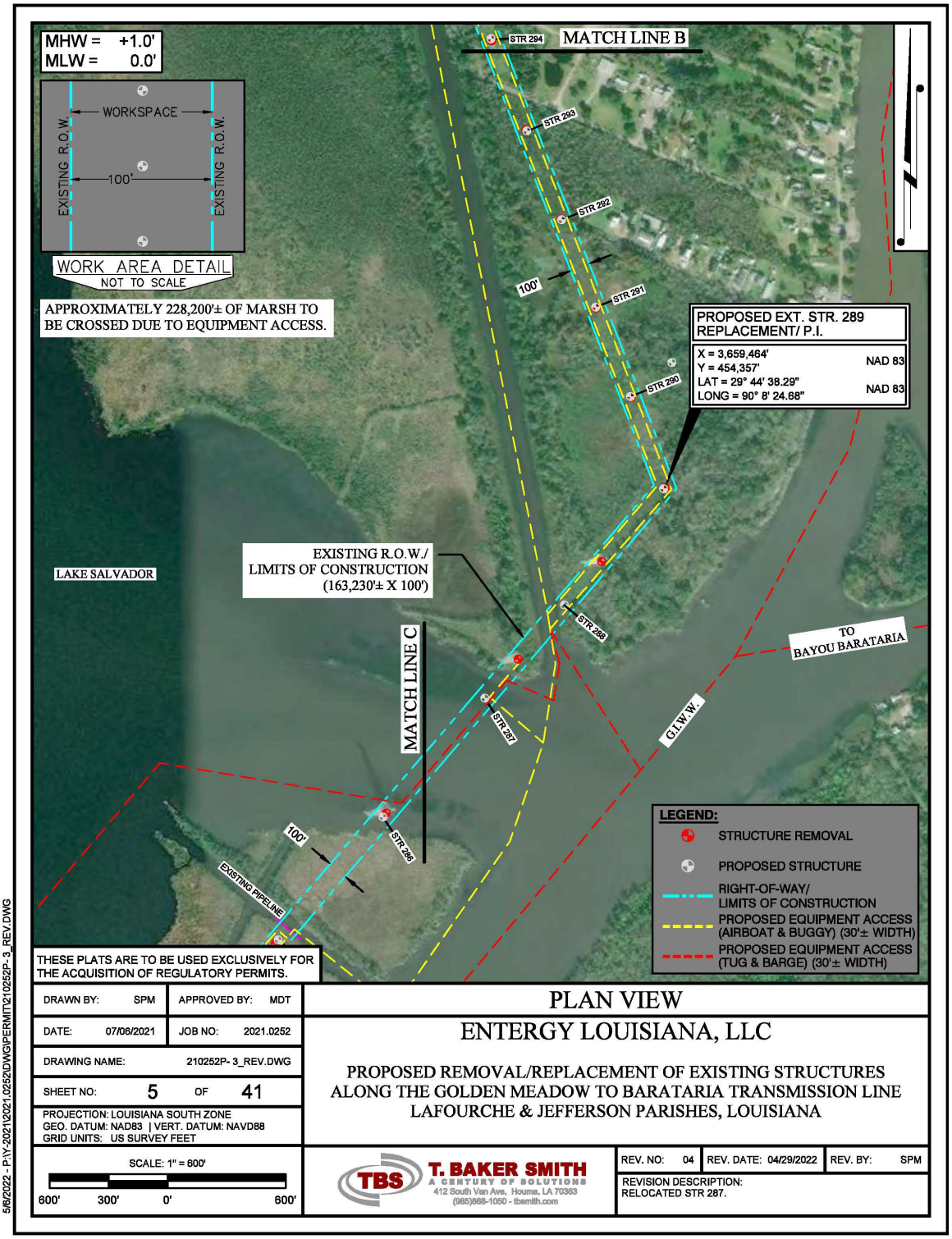
In the second phase of construction, twenty-seven (27) new single-pole (monopole) structures that meet 230kV specifications and are rated for 150 mph winds would be installed in close proximity to existing structure locations, eliminating the need for guy wires and reducing the overall footprint of the line and its supports. Helicopters would be used to place new pole structures near locations of installation in lieu of utilizing ground-based equipment. The new structures would be installed on baseplated vibratory caisson foundations which would result in a small surface area impact with no additional excavation or fill required. Each new structure would have a small surface impact of +/- 0.0006 acres (6-foot diameter), and the vibratory caisson foundations would be installed to a depth of approximately 36 feet below ground surface (bgs). The baseplated pole would be bolted directly onto the caisson once it is vibrated in place. The proposed self-supported, monopole structures would extend vertically approximately 85 feet above the ground. Two (2) larger Pyramax structures would be installed in lieu of lattice structures on the West and East banks of Bayou Segnette on Jones Point and extend vertically approximately 250 feet above the ground. Each new Pyramax structure would be installed on four (4) baseplated vibratory caisson foundations which would result in a small surface area impact with no excavation or fill required. Each new structure would have a total surface impact of +/- 0.004 acres (each caisson having a 7-foot diameter), and the vibratory caisson foundations would be installed to a depth of approximately 74 feet bgs.

Structure 287 currently within the boundaries of archaeological site 16JE80 would be relocated into open water to the southwest outside of park boundaries. Structure 288 would be shifted to the southwest within park boundaries. The foundation pillars associated with the lattice Structure 287 currently situated on Jones Point within the boundaries of archaeological site 16JE80 would remain in place to ensure that no additional ground disturbance occurs within archeological site 16JE80. In order to offset impacts to archeological site 16JE80 caused by driving new caissons into this area, Entergy proposes to relocate the new structure to the southwest and out into open water just off Jones Point. This would remove the structure from the boundaries of the archeological site and JELA.

Structure installation and wire stringing would also result in ground disturbance caused by equipment access. Where access routes traverse vegetated wetlands, marsh buggy/tracked equipment would attempt to achieve ingress and egress by remaining within the footprint of one equipment width track throughout the duration of the project. No laydown or equipment fuel storage areas would be located within the boundaries of JELA in the Proposed Action.

The proposed new structures would re-establish one of the primary pathways of power to the electrical transmission system and provide increased transmission grid reliability and future load serving capabilities for the Golden Meadow-Barataria line.

Figure 4. Proposed Removal and Replacement of Structures 287 and 288



Other Alternatives Considered but Dismissed

DEMOLITION ONLY: Under the considered but dismissed demolition only alternative, the NPS would provide a SUP to Entergy to demolish approximately 2.63 miles of the Golden Meadow-Barataria 115kV line within the existing ROW ranging from 100 feet to 175 feet. The construction phase would involve the removal of all wires and exposed portions of the structures. An attempt to remove the below-grade portions of the structures (foundation pilings and guy wire anchors) would be made; however, should these foundation pilings or guy wire anchors not be able to be removed by reasonably non-invasive construction methods, the foundation pilings would either be cut off or driven down to 3 feet below grade and the guy anchors would be cut off 3 feet below grade. Where access routes traverse vegetated wetlands, marsh buggy/tracked equipment would attempt to achieve ingress and egress by remaining within the footprint of one equipment width track throughout the duration of the project. This Alternative would eliminate the potential hazards that result from the presence of damaged structures within the Preserve. Due to the installation of new structures not being proposed within the existing ROW, this alternative would avoid the temporal impacts to sensitive wetland areas resulting from Entergy rebuilding the line. This alternative would not require maintenance activities associated with operating a new line within the existing ROW which in turn, would eliminate the periodic temporal impacts to sensitive wetland areas resulting from Entergy accessing the structures. This Alternative was dismissed because it would not fully meet the proposed project's Purpose and Need as it would not re-establish one of the primary pathways of power to the electrical transmission system and provide increased transmission grid reliability and future load serving capabilities for the Golden Meadow-Barataria line.

REROUTING LINE: Rerouting of the line was not considered as an alternative for this project due to the availability of an existing previously impacted ROW for this line to be constructed.

SUBSURFACE INSTALLATION: Subsurface installation was considered but dismissed for this project. The extremely high cost of an underground transmission line versus an overhead transmission line was a primary reason that this installation method was deemed not feasible; however, below is a compilation of other factors that contributed this subsurface installation method being dismissed:

- The transmission line would approach the NPS property overhead and from the south and would then dive underground. The overhead to underground transition would require a large land-based above-ground transition structure and vault. Structure 287 would have to move back to its original proposed location on Jones Point, and the addition of a large structure/vault next to Structure 287 would disturb and/or destroy cultural resources. Furthermore, a planned NPS shoreline protection project would hinder access to Jones Point.
- Directional drilling would be conducted from Structure 287 up to Structure 301 where the transmission line takes the sharp turn towards the Barataria Substation. A large structure or vault would need to be installed at this bend as a cessation point for the directional drilling. Another directional drill would commence from this structure to another structure/vault near the Barataria Substation (likely near Structure 314). From this point, the transmission line would transition back to overhead in order to enter the substation.

- Structure/vaults at Structures 307 and 314 would likely require new ROW from NPS to provide enough space for the new large structures/vaults and to allow enough space between the adjacent energized Ninemile to Barataria line.
- For each of the aforementioned spans of directional drilling, long, continuous bundles of conduit would be laid out on one end and then pulled into the void created by the directional drill. The bundles would include at least five (5) conduits: three (3) for the electrical phases, one (1) for a spare phase to be pulled in (because it takes much longer to repair a failed underground cable than an overhead conductor), and one (1) for a fiber-optic cable. These bundles would be laid out in a straight line back from one end of the directional drill. At the opposite end, drilling equipment would be staged and set up to pull the bundle through. For the first stretch of subsurface line between Structures 287 and 307, either the bundle or the drilling equipment would need to be laid out or set up on barges that extend out into the open waterway south of Jones Point. On the opposite end, setting up a staging area back to the northeast from Structure 307 would present a challenge as it would require an extended outage of the Ninemile to Barataria transmission line in order to provide a safe electrical clearance. Additionally, sections of wetlands outside of the existing ROW would need to be matted to allow for equipment set up. For the second stretch of subsurface line between Structures 307 and 314, sections of wetlands outside of the existing ROW to the north would need to be matted to allow for equipment set up.
- Cables would then need to be installed within the bundled conduit. For each of the two subsurface stretches, large, heavy reels of cable would be set up at one end with cable pulling equipment at the opposite end. Barges would be utilized where practical, but matted areas outside existing ROW would also be required. Once cables would be pulled, a specialty contractor would be brought in to make cable terminations at each vault. At each vault, extra cable would be pulled in and coiled up on racks to accommodate cable expansion/contraction as well as to have the ability to cut and re-terminate damaged splice connections in the future, as needed.

REBUILD LATTICE STRUCTURES WITHIN EXISTING FOOTPRINT: Installation of new Lattice structures within the existing footprint for Structures 287 and 288 was considered but dismissed for this project. The lattice structure on Jones Point (Structure 287) is situated within the boundaries of archaeological site 16JE80 and this alternative would include placing a new Pyramax structure on four (4) vibratory caissons located directly adjacent to the foundation pillars currently in place under Structure 287. Although archeological site 16JE80 was determined to be ineligible for listing on the National Register of Historic Places with concurrence by the State Historic Preservation Office (SHPO), this proposal was considered but dismissed to ensure that no additional ground disturbance would occur within archeological site 16JE80.

MITIGATION MEASURES ASSOCIATED WITH THE PROPOSED ACTION

Congress has tasked the NPS with managing the lands under its stewardship "in such manner and by such means as will leave them unimpaired for the enjoyment of future generations" (NPS Organic Act, 16 USC 1). As a result, the NPS routinely evaluates and implements mitigation measures whenever conditions occur that could adversely affect the sustainability of national NPS resources.

The NPS NEPA Handbook Section 4.3E and NEPA's implementing regulations 40 CFR § 1508.1 direct federal agencies to use the NEPA process to identify and assess the reasonable alternatives to Proposed Actions that will avoid or minimize adverse effects of these actions upon the quality of the human environment. 40 CFR § 1508.1(s) further defines mitigation to include:

- Avoiding the impact altogether by not taking a certain action or parts of an action
- Minimizing impacts by limiting the degree or magnitude of the action and its implementation
- Rectifying the impact by repairing, rehabilitating, or restoring the affected environment.
- Reducing or eliminating the impact over time by preservation and maintenance operations during the life of the action
- Compensating for the impact by replacing or providing substitute resources or environments

In order to protect natural and cultural resources, the following mitigation measures and best management practices (BMPs) would be included for Alternatives B and C:

1. Entergy has incorporated the following into the design of this project in order to reduce impacts to the aesthetic value of the project area following construction:
    - Proposed structures would be installed at an equal distance to current structures visible from existing observation points within JELA.
    - New monopole structures would occupy a smaller percentage of the horizontal viewscape than the current H-frame wooden structures and require no guy wires.
    - Proposed structures would not be equipped with lighting, bird reflectors, or aerial marker balls which would create a negative impact on the current viewscape experience
    - The proposed self-supported steel monopole structures are designed to withstand higher wind loads and be more resilient in the coastal environment. This would eliminate the potential for visibly damaged structures (i.e. leaning H-frame wooden structures) within sight of Bayou Segnette and LA Hwy 301.
    - Proposed structures would have a light gray surface coating and non-reflective conductors and insulators. The coating and hardware would blend in better with the backdrop of clear sky.

2. Entergy would follow the U.S. Fish and Wildlife Service (FWS) Nationwide Standard Conservation Measures, which are simple, low to no cost measures that would help to protect all birds and their resources regardless of the type or location of the activity. Entergy would also utilize best practices from the Avian Power Line Interaction Committee (APLIC). As a part of the Avian Protection Plan, Entergy would install avian friendly "bird domes" on the top

of each pole structure within JELA. These domes, or cone shaped caps, have proven effective in deterring avian nesting on pole structures. Eliminating avian nesting on these structures would reduce mortality caused by contact with energized electrical transmission lines.

3. Entergy would be required to follow standard manatee conditions for in-water activities under the terms of their authorization for the project by the US Army Corps of Engineers (USACE), which would also be included in a SUP for the project by the NPS.

4. Inadvertent Discovery - Entergy would be required to follow Inadvertent Discovery procedures. Although an attempt has been made to locate and evaluate archaeological sites and/or components prior to construction activities, there is a potential that previously unidentified archeological sites, components, and/or human remains would be identified during construction activities.

   In the event that construction activities inadvertently discover historic or archaeological artifacts, such as but not limited to, pottery or ceramics, stone tools or metal implements, dugout canoes, human bone or any other physical remains that could indicate a previously unidentified archeological site, component, and/or human remains, all construction work will stop in the immediate area. Work shall not resume in the immediate area until the appropriate authorities and tribes are notified and consulted on the artifacts of interest.

   The Project Director, Construction Foreman, or their designee would immediately notify the NPS. No construction work would continue in the area until the archeological site, component, and/or human remains were evaluated by the NPS to determine if it meets eligibility criteria of the National Register of Historic Places (NRHP). Consultation with the appropriate State Historic Preservation Office (SHPO), Tribal Historic Preservation Office (THPO)s and other interested Native American groups would be initiated by the NPS and a determination as to the disposition of these remains and/or associated funerary objects would be determined in consultation with the SHPO/THPOs. Any willful destruction of the archeological site, component, and/or human remains could result in the prosecution of individuals under the Archeological Resource Protection Act of 1979 (16 U.S.C. 470), and other statutes that protect the Park's cultural resources.

5. Environmental Awareness Training - One of the primary goals of Entergy during this project would be to develop policies and procedures intended to minimize impacts to the resources within the park to the greatest extent possible. An "Environmental Awareness Training" program would be developed on the sensitive nature of the Preserve which would be developed and approved with the assistance of JELA. The training program would be required for all personnel working on the Preserve. No personnel would be allowed on the project site without participating in the training program. Elements from the training program would be periodically reinforced as the project progresses at safety meetings and the like.

   a) Ground crews would be instructed by park staff on how to avoid damaging any part or whole of wetland vegetation in the Preserve.
   b) Regularly monitor to ensure non-target wetland vegetation is not damaged during activities.

6. Minimization of Potential Surface and Subsurface Geologic Impacts - Due to the project being proposed within freshwater marsh, rutting and soil compaction impacts are expected to be minimal.

   Temporary effects to surface soils are expected on the northern and southern ends of the proposed project in the form of erosion of exposed soils during storm events. A Storm Water Pollution Prevention Plan (SWPPP) would be prepared in accordance with the requirements of the Louisiana Pollutant Discharge Elimination System (LPDES) Storm Water General Permit for Construction Activities 5 Acres or Greater (Permit No. LAR100000). The objective of the storm water plan is the reduction or elimination of surface water pollution through implementation of Best Management Practices (BMPs). BMP's may include but are not limited to silt fencing, straw wattles, erosion control mats, maintaining established vegetation, and vehicle track pads.

   Contaminants that could potentially affect surface soils include diesel, oil, and grease from heavy equipment and temporary storage tanks, which could be released during construction. Under the Proposed Build Alternative, these petroleum-based products would be utilized for the operation of construction equipment within the ROW, and no bulk storage of these products would occur within JELA.

   In the event that the above listed contaminants are released into the surface soils of the project area, traditional spill recovery equipment (boom, absorbent pads, oil skimmers) would first be utilized to recover spilled product. Volumes of contaminants released in quantities that are above what are considered de minimis would be reported to the appropriate regulatory agencies. Soil could potentially require excavation and disposal according to local, state, and federal regulations in the event that traditional spill recovery equipment is not effective. Confirmatory sampling could be required to verify that concentrations fall below the Risk Evaluation Corrective Action Plan (RECAP) standards established by LDEQ.

7. Minimization of Potential Hydrologic Impacts - Temporary effects to surface water could occur from equipment movement on land disturbing soils or sediments and potentially degrading water quality in adjacent waterbodies by increasing turbidity. Equipment movement in waterways could also disturb bottom sediments and increase turbidity. Increased turbidity could potentially limit necessary light penetration and nutrient transport within the water column which is necessary for plant recovery following disturbance. Oxygen levels within the water could also be depleted.

   A SWPPP would be prepared for the project. The objective of the storm water plan is the reduction or elimination of surface water pollution through implementation of BMPs. BMP's may include but are not limited to silt fencing, straw wattles, erosion control mats, maintaining established vegetation, and vehicle track pads.

   The OCM Coastal Use Permit indicates that water bottoms shall not be disturbed during access to the proposed work location other than that authorized and shown on the permit plats whether it be by dredging, wheel washing, prop washing, jetting, mucking, plowing,

bull dozing or any other means of moving bottom material. The permit also requires powered vessels to be operated so as not to disturb the water bottom by propeller or jet action.

8. Minimization of Potential Vegetation Impacts - All equipment utilized to perform construction activities would stay within the access routes and designated ROW. Where access routes traverse vegetated wetlands, marsh buggies/tracked equipment would attempt to achieve ingress and egress by remaining within the footprint of one equipment width track throughout the duration of the project ("one pass"). In the event that ingress and egress could not be achieved within the same equipment track footprint, contractors would be allowed to utilize an additional pass under the condition that a minimum of one buggy width is maintained between tracks. It is expected that native wetland vegetation would recolonize the area.

9. Best Management Practices (BMPs) - would be implemented during construction to help reduce impacts to wetlands during construction. These BMPs include:
   - Buffers between areas of soil disturbance and wetlands or waterways would be planned and maintained;
   - Soil erosion BMPs such as sediment traps, erosion check screen filters, and hydro mulch would be used to prevent the entry of sediment into wetlands;
   - Any hazardous waste that would be generated in the project area would be promptly removed and properly disposed of;
   - Equipment would be inspected for leaks of oil, fuels, or hydraulic fluids before and during use to prevent soil and water contamination. Contractors would be required to implement a plan to promptly clean up any leaks or spills from equipment, such as hydraulic fluid, oil, fuel, or antifreeze;
   - Onsite fueling and maintenance would be minimized. If these activities could not be avoided, fuels and other fluids would be stored in a restricted/designated area and fueling and maintenance would be performed in designated areas that would be bermed and lined to contain spills. Provisions for the containment of spills and the removal and safe disposal of contaminated materials, including soil, would be required;
   - Actions would be taken to minimize effects on site hydrology and fluvial processes, including flow, circulation, water level fluctuations, and sediment transport. Steps would be taken to avoid any rutting caused by vehicles or equipment;
   - Measures would be employed to prevent or control spills of fuels, lubricants, or other contaminants from entering wetland areas. Action would be consistent with state water quality standards and CWA Section 401 certification requirements;
   - Appropriate erosion and siltation controls would be maintained during construction; and
   - Fill material would be properly maintained to avoid adverse impacts on aquatic environments.

10. Exotic Vegetation and Noxious Weeds
   - Weed control measures (e.g., cleaning / washing of vehicles / vessels, equipment, and personal equipment before entering / re-entering the Preserve) will be implemented to help minimize the potential for the introduction and spread of nonnative species.
   - The Contractor shall ensure that no equipment will be allowed to off-road or off load if dirt or other contaminants with the potential to harbor seeds are apparent. Any equipment

which departs the project site must repeat a cleaning and inspection process, including formal acceptance by the Contracting Officer or their Local Designee prior to being remobilized and offloaded at the project site(s).

11. Photographic Documentation

    Photographs documenting conditions in the project site at the time of construction would be collected at least annually.

    Photos would be taken from ground level as well as through the use of unmanned aerial vehicles (UAVs) as needed. The UAV's would not take off or land within JELA boundaries.

    At least two photos would be taken at each structure location with the view of each photo consistently oriented in the same general direction from one monitoring event to the next.

12. Wetlands - Best management practices will be implemented to avoid impacts to wetlands. For those impacts that cannot be avoided, restoration and rehabilitation actions are required. In addition, compensatory mitigation for temporal loss to wetlands in the ROW for this project is the treatment of invasive plant species at a 5:1 ratio. The total area to be treated for compensation is 69.2 acres. The mitigation actions and success criteria of restoration, rehabilitation, and compensatory mitigation for temporal loss are detailed in the Wetlands Statement of Findings in Appendix 1 and summarized below.

    Open Water (Restoration) - It is anticipated that natural processes would feed open water areas with adjacent material and would result in natural restoration. No addition of outside fill to the project site is proposed. Pre and post- project photographic documentation in winter season would be required.

    Wet Crossings (Rehabilitation) - Every wet crossing would require immediate bank rehabilitation upon completing the crossing. Monitoring would be conducted and if needed native plantings would be done to restore site to pre project conditions. Pre and post- project photographic documentation would be required.

    Fill Equipment Ruts (Rehabilitation) - Ruts could be created within the area as tracked vehicles ingress and egress the ROW. Mitigation would consist of fixing the ruts by filling them in with adjacent material immediately upon completing construction activities at the specific work site. No material would be brought in from off-site. Natural recruitment is expected to occur, but recovery within the ROW is expected to vary based upon levels and frequencies of past disturbances. Planting of native marsh species may be required should the mitigation success criteria for native vegetation cover not be achieved through natural recruitment. Addition of geotextile fabric to damaged areas could allow marsh grass to root and return the area to emergent wetland habitat. Pre and post- project photographic documentation would be required.

    Compensatory Mitigation for Temporal Loss - The temporal wetland impacts are anticipated to be caused from ingress and egress and compression of vegetation from equipment within the length of the ROW during the demolition and construction. Approximately 13.86 acres of total temporal wetland impacts are estimated to occur and are proposed to be mitigated by a 5:1 ratio resulting in 69.2 (5 times 13.86) acres of invasive plant treatment.

Two locations within the Barataria Preserve totaling +/- 204 acres have been identified as areas where invasive non-native plant species are to be treated. Entergy will submit a work plan of the final invasive plant treatment mitigation areas totaling 69.2 acres from within the +/-204-acre areas to be reviewed and approved by NPS prior to beginning treatment. Temporal mitigation through invasive plant treatment will occur twice at least 2 years apart, and the final determination of success would be surveyed during the growing season after the second treatment. Monitoring and reports would include pre and post- treatment photographs and total number of treated target species. Monitors would take photographs of the treatment area before and after each treatment. At least two photos would be taken at each treatment area location with the view of each photo always oriented in the same general direction from one monitoring event to the next.

Other Permits and Requirements

Louisiana Pollutant Discharge Elimination System (LPDES) Storm Water General Permit for Construction Activities 5 Acres or Greater (Permit No. LAR100000) may require a SWPPP.

OCM authorized the Coastal Use Permit / Consistency Determination P20210693 on June 23, 2022, with revision and replacement on October 28, 2022 due to the permit amendment that was submitted July 29, 2022. The Coastal Use Permit states that requirements for compensatory mitigation for impacts to marsh habitat would be determined after one full growing season (March 1 to November 1) following completion of the permitted activities.

USACE stated on August 25, 2021, that the work proposed in the Joint Permit Application P20210693 may be accomplished under maintenance provisions under the existing Department of the Army Nationwide Permit #33 (NWP 33). The NWP 33 includes manatee avoidance measures which must be adhered to during work activities. The permit amendment was submitted July 29, 2022 and USACE has not offered any additional comments. It is Entergy's understanding that they have not changed their stance to allow this action to be covered under the maintenance provisions for the existing structures.

3.0 AFFECTED ENVIRONMENT

This chapter describes the affected environment, which is intended to document the existing conditions of the park. These descriptions serve as a baseline for understanding the resources that could be impacted by implementation of the Proposed Action.

Environmental Setting

The project would take place primarily within the Preserve which occupies approximately 25,600 acres and contains a mix of bottomland hardwood forest, cypress-tupelo swamp, and fresh to intermediate salinity marsh habitats. The NPS manages approximately 20,900 acres of federally owned land at the Preserve with the remaining 4,700 acres as inholdings within JELA boundaries that are owned by private and/or other public entities.

The Golden Meadow-Barataria transmission line runs from Golden Meadow to the Entergy owned Barataria Substation. This line runs approximately 2.63 miles through the Preserve, primarily in a 100-foot wide ROW, and shares the 175-foot ROW with the Ninemile-Barataria transmission line for a distance of approximately 0.67 miles before entering the Barataria Substation.

Area of Impact or Potential Effect

The proposed project involves demolishing/rebuilding 2.63 miles of the existing Golden Meadow-Barataria 115kV line from the structure situated within JELA just west of Bayou Segnette (Structure 287) and terminates at the Barataria Substation. The line would be constructed immediately adjacent to the existing line within the established ROW which is almost entirely on federal land. The width of the ROW for the majority of the route is 100 feet. The ROW increases to 175 feet along the corridor over a distance of +/-0.67 miles north from the Barataria Substation. Access to the workspaces would be accomplished entirely within the boundaries of the existing 100-175 foot ROW. The impacted area along the entire 2.63 mile corridor is expected to total approximately 13.86 acres of sensitive wetland areas.

The transmission line corridor associated with the proposed project crosses one (1) named waterbody (Bayou Segnette) within the Barataria Preserve as well as vast areas of wetlands. Open water access routes would be utilized to the maximum extent practical by the marsh buggies and/or marsh cranes. Tugs and barges would access the project area from the south via the GIWW and utilize deep water areas (Bayou Segnette) to stage equipment to the maximum extent practical. Bayou Segnette would also be utilized by airboats and outboard driven vessels to transport personnel to the project area from the north.

Analysis Methodology

The intensity of the impacts was assessed in accordance with the NPS NEPA Handbook (2015). The methods used to assess impacts varied depending on the resource being considered but are generally based on a review of pertinent literature and park studies, information provided by agencies, professional judgment, and park staff knowledge and insight. The intensity of impacts will be categorized into short-term, long-term, beneficial, or adverse.

Visitor Use and Experience & Aesthetic Environment

Affected Environment

The Preserve occupies approximately 25,600 acres and contains a mix of bottomland hardwood forest, cypress-tupelo swamp, and freshwater to intermediate marsh habitats. Freshwater marshes occur throughout the survey area and are generally flat. They are dominated by emergent herbaceous plants and are inundated approximately 150 to 200 days per year. The open water portions of the project area consist mainly of ditches, the GIWW/Bayou Barataria, and large man-made canal systems, including the Bayou Segnette Waterway.

A Visual Impact Assessment Report was prepared in order to evaluate the level of aesthetic impacts caused by the proposed project. Visual impacts are defined as changes to the scenic attributes of the landscape brought about by the introduction of visual contrasts (development) and the associated changes in the human visual experience of the landscape.

The Golden Meadow to Barataria transmission line is visible from the Bayou Segnette Waterway and the GIWW which are frequently navigated by JELA visitors. In addition, one roadway used by visitors, LA Hwy 301, is adjacent to the Barataria Substation. However, the proposed project would largely take place in remote areas of the Preserve that visitors are unable to access without a hunting or trapping permit. Entergy has recently completed projects in the area intended to storm harden its transmission infrastructure which typically involves the removal of H-frame wooden structures and replacing them with steel monopole structures designed to withstand higher wind loads and be more resilient in the coastal environment. The new structures also eliminate the need for guy wires and reduce the overall footprint of the line and its supports.

There are three structure types visible from LA Hwy 301 and residential areas on Jones Point currently within the Preserve. Powerline supports are either approximately 50 feet tall, have an H-type configuration, and are dark brown in color or have an 85-foot monopole configuration and light gray finish. Larger lattice structures extend approximately 250 feet above the ground and also have a light gray finish (Figure 5).

Figure 5. Typical Pole Types

Monopole H-Frame Lattice

An onsite visual analysis was conducted and it was determined that approximately twenty-four (24) existing structures associated with the transmission line are currently within the viewshed of these observation areas. The existing structures are comprised of wooden H-frame structures, steel monopole structures, and steel lattice structures. Visual obstructions exist between the observation areas and five (5) existing pole structures in the form of low-lying marsh vegetation and trees.

Evaluation of existing LIDAR data revealed that the ground elevations at LA Hwy 301 and residential areas on Jones Point and transmission line structures are relatively equal (ranging from +1-4 foot NAVD).

Environmental Trends

The Barataria Preserve unit offers extensive recreational activities for visitors that include hiking, hunting, fishing, and observing wildlife. In 2021, a total of 247,749 visitors travelled to the Barataria Preserve for recreational purposes. Recreation visitation to the preserve is higher than the other units of the park by a substantial margin.

Park visitors have the potential to utilize LA Hwy 301 and the Bayou Segnette Waterway throughout the year. Visitors to units of the NPS travel from nearby gateway communities as well as from other domestic and international locations, and they generally expect to see pristine viewsheds. However, there is no specific Key Observation Point within view of the project area that is specifically designated for visitor viewing purposes. Although the proposed replacement structures would create a slightly different viewshed for visitors, they are not new to the landscape. The current viewscape includes both monopole and lattice structures, therefore, the proposed project would not represent a drastic change to the viewing experience. The general trend is stable.

Cultural Resources

Affected Environment

The Area of Potential Effect (APE) is the defined geographic area within which the construction and staging of the Entergy Golden Meadow to Barataria Transmission Line may affect cultural or historic properties, including areas beyond the proposed footprint of each of the transmission line poles. Barges and mechanical equipment would be used to support the transfer of equipment and materials to each pole location within the existing ROW. These access routes have been used in previous repairs and installation.

The area of potential effect contains the existing ROW within the NPS boundaries of approximately 2.63 miles through JELA. The existing ROW has been previously impacted by construction of the original line (1964) and subsequent ROW maintenance and line repairs. Figure 1 shows the project corridor within the JELA boundaries.

Only one known cultural resource site is within the project area. Site 16JE80 is located on Jones Point on the west side of the Bayou Segnette waterway. The site was listed as a contributing prehistoric resource of the Barataria Unit National Historic District which was placed on the National Register of Historic Places in 1989; however, it is not geographically located within the district. The site was heavily disturbed prior to NPS ownership and enactment of the NHPA in 1966, first by dredging activity in the 1950s, later by the construction of the high voltage

transmission tower in the mid-1960s, and finally with erosion. Currently, Structure 287 is situated on four (4) concrete pillar foundations within the boundaries of the site. This site was determined to be ineligible for listing on the NRHP with concurrence by the SHPO in a letter dated December 28, 2021.

Environmental Trends

Although Barataria Preserve unit comprises varied cultural resources, landscapes, features, and sites that continue to provide evidence of human colonization, settlement, and abandonment, resource procurement and exploitation, and human interaction with the diverse natural environment within the Preserve, no new cultural resources have been discovered within the project area. The existing ROW has been previously impacted by construction of the original line (1964) and subsequent ROW maintenance and line repairs. There are no cultural landscapes, historic structures, or museum collections identified or likely to occur within the proposed APE. The general trend is stable.

Soils and Geology

Affected Environment

The project area resides in the Gulf Coast Coastal Plain physiographic province. It lies along the northern side of the Gulf Coast geosyncline and across the axis of Mississippi structural trough. The area is characterized by off-lapping, coastward thickening wedges of fluvial, deltaic, and marine sediments.

The geology of Barataria Preserve is largely influenced by the historic location of the area and the relationship between this area and the historic course of the Mississippi River. Barataria Preserve is positioned within the upper Barataria estuarine basin between two distributary arms of the Mississippi River (the current main stem of the river and Bayou Lafourche) and straddles an older distributary arm, the Bayou des Familles/Bayou Barataria. This deltaic lobe was formed by the Mississippi River roughly 3,000 to 1,500 years ago before present. The Bayou des Familles/Bayou Barataria distributary arm of the Mississippi River is flanked by natural levees, with peak heights of about 5 feet above mean sea level. These levees formed from annual spring (over-bank) flooding and depositional processes. Breaks in the natural levee formed crevasses, such as Bayou Coquille, which in turn built sub-distributary lobes (NPS 2009). Abandoned distributary beds slowly filled with sediments as the Mississippi River changed course, leaving only narrow tidal drainage streams, or bayous, in the abandoned distributary beds. The soils within Barataria Preserve are characteristic of those developed in a subtropical, humid climate under frequently flooded conditions within coastal and deltaic plains. The flat topography of Barataria Preserve and abundance of slowly decaying organic matter present conditions that allow for the constant buildup of both mineral and organic sediments (HATT ET.AL 2015)

Within Barataria Preserve two broad categories of soils are found: mineral and organic soils. Mineral soils are characterized as very deep, level to gently undulating, somewhat poorly drained soils formed in clayey alluvium that is moderately to slowly permeable. Organic soils range in depth from about 16 – 100 inches, are very poorly drained, and formed from decomposed freshwater or brackish herbaceous and woody material over alluvial sediments. In general, the mineral soils are associated with the higher elevation Holocene epoch natural levee alluvial deposits from the Barataria/des Familles Mississippi River distributary. The organic soils occur

within the remainder of Barataria Preserve and are associated with Holocene epoch fresh and brackish water deltaic plains (HATT ET.AL 2015).

Most of the soils of JELA Barataria Preserve and within the project area are Kenner muck, which consists of very deep, very poorly drained, very slowly permeable, predominantly organic substrates. Appendix 4 contains the soils map with a complete list of soil property data.

Environmental Trends

The Preserve resides on lands that are geologically young along an extinct and former outflow of the Mississippi River delta. The lands that formed were subjected to frequent flooding events that brought and deposited sediment, forming natural levees of earth along Bayou des Families and Bayou Barataria. The deltas that formed were active beginning about 5,000 years ago. Human efforts over the last three centuries seeking to control the flow and frequent flooding of the Mississippi river have cut off the Barataria basin from the river.

Shoreline changes of the Preserve have been accurately mapped using imagery on a fairly consistent time series (from 1958-2005). Information on relative sea-level rise is being collected consistently at the Grand Isle station, though rates within the park are less certain. Data clearly show that land loss is still occurring within the Preserve, though the rates of loss have substantially slowed and actions taken by the park are likely improving the rate of loss. Long-term trends and climate projections indicate that sea-level rise will likely continue into the future. The effects of sea-level rise, subsidence, and erosion will continue to be issues that are important to the park. Due to subsidence, erosion, and salt water intrusion, the general trend is declining. (HATT ET.AL 2015)

Water Resources

Affected Environment

The project area is situated on the west bank of the Mississippi River in Jefferson Parish near New Orleans, Louisiana, between approximate Mississippi River miles 105 and 114 above Head of Passes. The area is part of the Barataria Basin which is bounded to the west by the Bayou Lafourche ridge, the Mississippi River to the north and east, and the Gulf of Mexico to the south. Tidal waters can be carried into the project area through Bayou Barataria, Lakes Salvador and Cataouatche, and Bayou Segnette. Freshwater is introduced into the study area from the Mississippi River via the Harvey and Algiers Locks and the Davis Pond Freshwater Diversion Canal, direct rainfall, and pumpage from leveed areas. The Barataria lies within the upper freshwater portion of the Barataria Basin, which is defined as the portion of the Mississippi Delta bounded by Bayou Lafourche and the Mississippi River (HATT ET.AL 2015).

In recent history, anthropogenic effects have largely played a role in shaping the hydrology of the park. Before human intervention, hydrology was primarily affected by the Mississippi River, tidal actions, and precipitation. Construction of artificial levees and closing of channels has kept river water from entering the upper basin. Levees constructed for storm protection separate the Barataria Preserve from the uppermost Barataria Basin and increase influence from Gulf of Mexico forces in the park unit. In addition, drainages and channelization of the streams in the area have been significantly altered. Prior to the extensive levee construction on the Mississippi River, rainwater and river floodwaters provided freshwater inputs into the marshes and lakes through surface flow. Recent mitigation efforts, and most notably the Davis Pond Freshwater

Diversion Project, have helped to restore inflow from the Mississippi River. Tidal action is also a potential player in the park's hydrology. While tidal influence is minimal in the upper portion of the basin, the occasional strong storm surge can bring saltwater into the freshwater habitats, although saline waters have not been documented to reach the backswamp of Bayou des Familles since park establishment. Saltwater intrusion has the potential to negatively affect plants and animals that tolerate low levels of salinity. In addition, salinity indirectly affects soil respiration via reductions to root productivity, and potentially directly affects respiration of the microbial community with tidal action. Historically, marshes buffered the influx of saltwater from storm surges, but reductions in marsh area in the region have diminished their abilities to slow the intrusions. Within the Preserve, intact marshes and their flotant vegetation continue to buffer interior sections of the basin. Park efforts at managing their hydrologic resource have been ongoing for decades. Restoration of the natural water flow in the unit's waterways has been underway since the 1982 General Management Plan was developed (HATT ET.AL 2015).

Water in the Preserve originates from three main sources: rainfall, pumped storm water from the adjacent communities, and saline storm surges. Massive pumping stations are required to prevent flooding in the adjacent towns of Westwego and Estelle, and the preserve receives urban runoff via 10 pump stations draining five developed basins. A fourth source of water for the preserve may originate from the Davis Pond diversion that is located to the west of the park boundaries. Tropical storms and seasonal southern winds may also push saline water from the Gulf of Mexico approximately 60 kilometers (15.5 miles) to the south into the preserve and are a concern for salinity changes within the park (HATT ET.AL 2015).

The transmission line corridor associated with the proposed project crosses one named waterbody (Bayou Segnette) within the Barataria Preserve as well as vast areas of wetlands. Open water access routes would be utilized to the maximum extent practical by the marsh buggies and/or marsh cranes proposed for use. Tugs and barges would access the project area from the south via the GIWW and utilize deep water areas (Bayou Segnette) to stage equipment to the maximum extent practical. Bayou Segnette would also be utilized by airboats and outboard driven vessels to transport personnel to the project area from the north.

Named waterbodies crossed by the project corridor were not listed on the 2016 Section 303(d) Louisiana Water Quality Integrated Report (EPA 2017).

A review of the "Louisiana Natural and Scenic Rivers Descriptions and Map" revealed that the waterbodies within the Preserve are not classified as "scenic" by the LDWF.

Environmental Trends

Since long term monitoring began in 2008 there have been 126 violations of state and NPS standards and screening criteria of water quality. Violations of dissolved oxygen and E. coli standards are particularly concerning given that they have occurred every year from 2008-2014 on a somewhat regular basis. Unfortunately, surface water quality within the Preserve is influenced by external inputs that may be beyond the parks control such as: impacted by industrial effluents, stormwater runoff, and waterway navigation. However, the NPS water monitoring protocol provides an excellent means to track water conditions, and should actions be taken in surrounding communities or within the park to improve water quality, the existing monitoring network would likely detect these changes. The general trend of water quality is stable (HATT ET.AL 2015).

The Canal Backfill project and the Shoreline Protection Project are restoration plans that are expected to improve the hydrology and water quality in the park. Over the course of implementation of various projects, degraded ecological conditions would be expected to improve, resulting in long-term beneficial impacts on hydrology and water quality in the park, including in the area of analysis. The general trend on hydrology is stable.

Soundscapes

Affected Environment

The current soundscape consists of natural sounds within the park associated with the interrelationship of a multitude of frequencies and sounds produced by natural sources that can include wildlife, meteorological events, and vegetative movement. Additional sources of sound within the proposed project area include noise produced by boating operations, vehicle operations, aviation activities adjacent to the project area, by park staff, special park uses, and visitors during normal park activities, and sounds from adjacent land use.

The presence of unwanted sound is typically referred to as “noise.” Background noise is the “normal” noise level experienced in the local environment. The EPA administered Noise Control Act of 1972 establishes a national policy to promote an environment for all Americans free from noise that jeopardizes their health and welfare. The Act also serves to establish a means for effective coordination of Federal research and activities in noise control, authorize the establishment of Federal noise emission standards for products distributed in commerce; and provide information to the public respecting the noise emission and noise reduction characteristics of such products. The EPA has given the authority to regulate noise pollution to the local and state governments.

Jefferson Parish Ordinance 20-102 prohibits excessive noise that “unreasonably interferes with the comfort and repose of others within the jurisdiction of the parish.” The ordinance restricts noise levels above 75 decibels (dBA) for temporary construction activities at all times. The ordinance prohibits the operation of construction and demolition equipment within 300 feet of any residential or noise sensitive area during the hours of 9:00 p.m. until 7:00 a.m. on weekdays and Saturdays and 9:00 p.m. until 8:00 a.m. on Sundays and holidays.

Outside of occasional construction or maintenance activities that have historically occurred within JELA, ambient sound levels remain below Jefferson Parish Ordinance thresholds.

Environmental Trends

The location of the Barataria Preserve makes it especially susceptible to negative impacts of being adjacent to urban communities of the greater New Orleans area. The most concerning metrics for adjacent land use at JELA may be roadway and waterway density. There is a relatively high proportion of converted lands within 30 km of JELA that potentially pose a threat to the parks resources even though there is also a relatively high amount of protected lands within the same area. Given the amount of development and roadways immediately surrounding JELA it may be especially important that there is an adequate amount of protected land to buffer to park from development and maintain connectivity between the remaining natural lands in this region. (HATT ET.AL 2015). The general trend is stable.

Wildlife and Protected Species

Affected Environment

Per the U.S. Fish and Wildlife Information for Planning and Consultation (IPaC), there are two protected species which may be present within the project area, as listed below:

- West Indian Manatee (*Trichechus manatus)* - Wherever found; Threatened - Marine mammal;
- Eastern Black Rail (*Laterallus jamaicensis ssp. Jamaicensis)*- Wherever found; Threatened;

The Louisiana Natural Heritage Program (LNHP) has also compiled data on rare, endangered, or otherwise significant plant and animal species, plant communities, and other natural features throughout the state of Louisiana.

No state parks, wildlife refuges, wildlife management areas or scenic rivers are known at the specified site or within ¼ mile of the proposed project. The Louisiana Wildlife Diversity Program (WDP) reports summarize the existing information known at the time of the request regarding the location in question.

The project does not occur within critical habitat for the Atlantic sturgeon, Eastern Black rail, or any other federally listed species. Bald eagle nest and colonial nesting bird surveys will be conducted in advance of any work done in the project area. Any nests or rookeries detected would have standard avoidance protocols applied as per USFWS and the NPS guidelines.

During 2021-2022 annual bird surveys, Audubon reported no encounters with eastern black rail individuals within the Barataria Preserve. Eastern black rail habitat is in tall Gulf Cord grass *Spartina spartinae* and very little of that habitat is found within the Barataria Preserve (10/4/2022 - personal conversation), and none within the project area.

One (1) threatened species, the West Indian manatee, has the potential to occur in the waterways in the vicinity of the Project Area. West Indian manatees may occasionally enter the upper Barataria Basin and associated coastal waters and streams during the summer months (i.e., June through September). Given the paucity of food sources and the seasonality of their occurrence, it is considered unlikely for the manatee to frequent and utilize waterways within the Bayou Segnette Waterway. The Project Area does not contain West Indian manatee critical habitat. Standard manatee avoidance protocol for in-water work will be followed.

The wetlands within the project area provide important habitat for mammals, birds, reptiles, amphibians, fishes, and invertebrates, and they sustain complex trophic interactions. A variety of amphibians, reptiles, birds, and mammals require wetlands during substantial parts of their lives and depend on wetlands spaced throughout the landscape. Other creatures have adapted to wetlands that maintain standing water for only a few weeks to a month during the year and remain dry the rest of the year. Wetland structure, including topography, soils, and vegetation, has helped evolve the many highly specialized biota. Freshwater Marshes provide important foraging opportunities for wading birds and also numerous fish species. The wetland habitats within the preserve support a suite of biota characteristic of similar habitats found throughout the southeastern United States. Reptiles such as the American alligator (*Alligator mississippiensis*) and mammals such as white- tailed deer (*Odocoileus virginianus*) are common in the project area.

Certain birds are protected under the Migratory Bird Treaty Act of 1918 (MBTA) and the Bald and Golden Eagle Protection Act of 1940 (BGEPA), and the FWS also lists Birds of Conservation Concern (BCC) that include MBTA and BGEPA protected species and others. The goal of BCC listing is for the FWS to "identify species, subspecies, and populations of all migratory nongame birds that, without additional conservation actions, are likely to become candidates for listing under the ESA of 1973." Habitats suitable for use by the bald eagle are present in Jefferson Parish and occurrences of the bald eagle have been recorded within JELA Barataria Preserve. There are no known bald eagle nests within the project area.

Colonial nesting waterbirds, such as anhingas, cormorants, great blue herons, great egrets, snowy egrets, little blue herons, tricolor herons, reddish egrets, cattle egrets, green herons, black-crowned night-herons, yellow crowned night-herons, ibises, and roseate spoonbills are present within the Barataria Preserve. However, there are no known historic colonial nesting waterbird sites within the project area.

There is a possibility that several BCC may travel through or frequent the construction location within Barataria Preserve throughout the several months of the anticipated project duration (late summer through fall and winter 2022-23). These species are listed in Table 1.

Table 1. Birds of Conservation Concern

Bald Eagle	Prothonotary Warbler
Black Skimmer	Reddish Egret
Clapper Rail	Semipalmated Sandpiper
Gull Billed Tern	Shortbilled Dowitcher
King Rail	Swallowtailed Kite
Least Tern	Whimbrel
Lesser Yellowlegs	Willet
Magnificent Frigatebird	

Essential Fish Habitat

The Gulf of Mexico Fisheries Management Council (GMFMC), in cooperation with the National Marine Fisheries Service (NMFS), has delineated essential fish habitat (EFH) for federally managed species identified in Gulf fisheries management practices (FMPs). Under the Magnuson-Stevens Act, EFH is defined as "those waters and substrate necessary to fish for spawning, breeding, feeding, or growth to maturity." Federally managed species likely to occur in the adjacent waterways are managed under the following FMPs for the Gulf of Mexico: white shrimp, brown shrimp, and red drum (Table 2; GMFMC, 2005).

Table 2. Essential Fish Habitat

Common Name	Scientific Name	Life Stage	EFH
Red drum		Larvae	Estuarine SAV, estuarine mud/soft bottom

Sciaenops ocellatus		Post Larvae	Estuarine Emergent Marsh, Estuarine SAV, Estuarine Sand/Shell/Mud/Soft Bottom
		Early Juvenile	Estuarine Emergent Marsh, Estuarine Mud/Soft Bottom
		Late Juvenile	Estuarine SAV
		Adult	Estuarine Emergent Marsh, Estuarine SAV, Estuarine Sand/Shell/Mud/Soft Bottom
Brown shrimp	*Farfantepenaeus aztecus*	Early Juvenile	Estuarine Emergent Marsh, Estuarine SAV, Estuarine Sand/Shell/Mud/Soft Bottom
White shrimp	*Litopenaeus setiferus*	Early Juvenile	Estuarine Emergent Marsh, Estuarine Mud/Soft Bottom

Environmental Trends

The wildlife within the existing transmission line ROW was temporarily disturbed in the past during maintenance and repair activities. The general trend is stable.

Coastal Zone and Wetlands

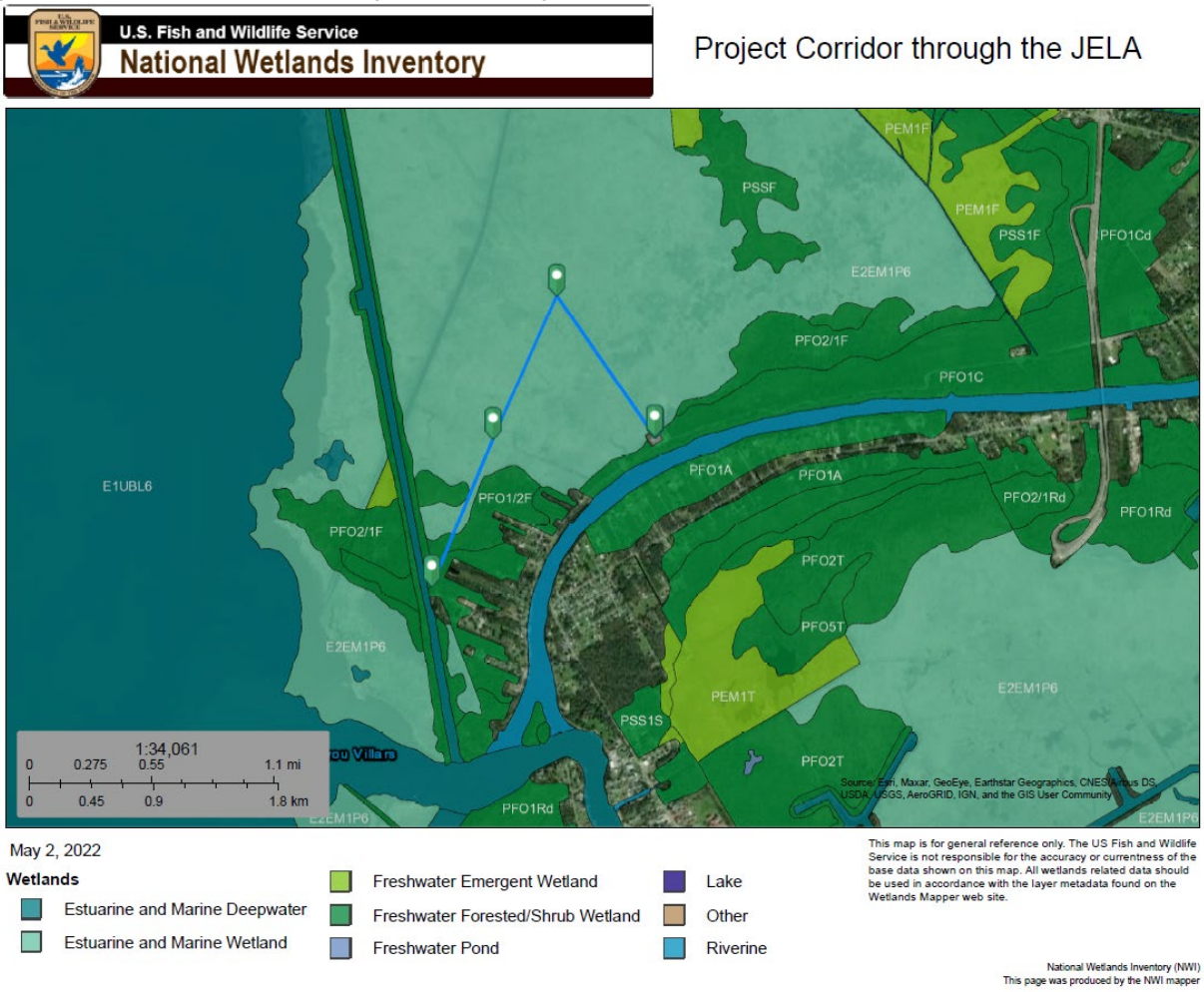
Affected Environment

The project area is situated on the west bank of the Mississippi River in Jefferson Parish in Marrero near New Orleans, Louisiana. The area is part of the Barataria Basin which is bound to the west by the Bayou Lafourche ridge, the Mississippi River to the north and east, and the Gulf of Mexico to the south. Tidal waters can be carried into the project area through Bayou Barataria, Lakes Salvador and Cataouatche, and Bayou Segnette. Freshwater is introduced into the project area from the Mississippi River via the Harvey and Algiers Locks and the Davis Pond Freshwater Diversion Canal, direct rainfall, and pumpage from leveed areas. Figure 1 shows the project corridor within the JELA boundaries.

After discussions with park staff, review of existing soil surveys, site habitat visits, vegetation identification, National Wetland Inventory Map (NWI) review, and aerial photography, it was determined that the project area in the park is both freshwater forested/shrub wetlands and estuarine and marine wetlands habitat. This determination was field verified by a professional wetland specialist/delineator.

According to the NWI Mapper, the majority of the project area located in the JELA is considered to be estuarine and marine wetlands (E2EM) with portions of freshwater forested/shrub wetlands (PFO). Figure 6 depicts wetlands located in the project area.

Figure 6. National Wetland Inventory Map with Project Area



The NWI Mapper shows the following wetland types within the project area; however, it is important to note that NWI wetland maps may not accurately reflect current conditions. In this instance, field verification of wetland types by contractor to Entergy, T. Baker Smith, professionals indicates that the majority of the wetland portions of the project area are freshwater forested/shrub wetland areas. The dominant vegetation located in the project area is described in the Wetlands Statement of Findings in Appendix 1. Wetlands within the existing ROW are similar to adjacent fresh marshes.

The wetlands of the Preserve provide important habitat for mammals, birds, reptiles, amphibians, fishes, and invertebrates, and they sustain complex trophic interactions. A variety of amphibians, reptiles, birds, and mammals require wetlands during substantial parts of their lives and depend on wetlands spaced throughout the landscape. Other creatures have adapted to wetlands that maintain standing water for only a few weeks to a month during the year and remain dry the rest of the year. Wetland structure, including topography, soils, and vegetation, has helped evolve the many highly specialized biota. Freshwater Marshes provide important foraging opportunities for wading birds and also numerous fish species. The wetland habitats within the preserve support a suite of biota characteristic of similar habitats found throughout the southeastern United States.

Environmental Trends

The area within the existing transmission line ROW was temporally disturbed in the past due to maintenance and repair activities.

The effects of sea-level rise, subsidence, and erosion will continue to be issues that could affect the health of wetlands, however the ecosystem is fairly resilient, and the allowance of a one-year growing season prior to assessing permanent impacts to vegetated wetlands is standard practice. The general trend is stable.

Factors affecting the Preserve's wetlands include sea level rise, subsidence, shoreline erosion, and climate extremes. The health of the floating marsh is highly dependent on the ability of plants to produce belowground roots that hold the marsh mat together. These plants have limited tolerance for prolonged exposure to salt.

4.0 ENVIRONMENTAL IMPACTS

This chapter includes an analysis of the environmental consequences or "impacts" of the no-action alternative and Action Alternative. The analysis includes effects of each individual alternative and compares the effects to other alternatives, to other reasonably foreseeable future actions in the park, and to actions that occur outside of the park and in the region. The No-Action alternative is used to compare the effects of current park actions and management direction with the Proposed Action Alternative.

As outlined in the NPS Director's Orders 12, the following categories of impact need to be considered and analyzed:

- Direct Impacts: Impacts caused by the alternatives at the same time and in the same place as the action.
- Indirect Impacts: Impacts caused by the alternatives that occur later in time or farther in distance than the action.
- Cumulative Impacts: Impacts on the environment that result from the incremental impact of the action when added to other past, present, and reasonably foreseeable future actions regardless of what agency (federal or nonfederal) or person undertakes such other actions. The actions or projects that were identified and analyzed as part of cumulative effects are listed in the following section.
- Beneficial: A positive change in the condition or appearance of the resource or a change that moves the resource toward a desired condition.
- Adverse: A change that moves the resource away from a desired condition or detracts from its appearance or condition.

PAST, CURRENT, & FORESEEABLE ACTIONS THAT COULD CONTRIBUTE TO CUMULATIVE EFFECTS

Actions and Projects Within the Park that could intersect in space and time with the proposed project

- Shoreline Protection at Lake Salvador
- Entergy Nine Mile Electrical Transmission Line Reconstruction to Barataria Substation

Actions and Projects Outside the Park that could intersect in space and time with the proposed project

- Entergy Golden Meadow Electrical Transmission Line Structure 286 southwest to Golden Meadow
- Boat Operations on Bayou Segnette Waterway and Bayou Barataria
- Lafitte Levee Proposal at Jones Point neighborhood
- Vehicle Traffic on HWY 301 and other roads

Visitor Use and Experience & Aesthetic Environment

NO ACTION ALTERNATIVE

Under the No Action Alternative, the NPS would not issue a SUP to Entergy to demolish and rebuild the existing Golden Meadow-Barataria 115kV T-Line through JELA. Construction and demolition involving multiple tracked vehicles or equipment traversing the ROW would not occur. Existing structures that have been significantly damaged by storms would remain in place and cause a long-term adverse impact on the viewscape within JELA but no more than existing conditions. The No Action Alternative would also not eliminate the potential hazards that result from the presence of damaged structures within the Preserve which would be a long-term visual impact to the visitors utilizing this area of JELA for hunting, fishing, and other recreational purposes.

ACTION ALTERNATIVE

Under the Proposed Action, potential impacts to visitor use and experience caused by demolition and construction activities include sights and sounds and permanent changes to the viewscape from new transmission line support structures. Portions of the project area cross park hunting zones, and the project may temporarily affect hunting season by temporarily displacing wildlife until construction activities have ceased. Detonation of explosives proposed for demolition of structures 287 and 288 would likely have a short-term impact on visitor use and experience. A restricted access/clear zone (1,500-foot radius) would be required for the demolition of structures 287 and 288. This could prevent visitors from temporarily accessing certain areas of the park for safety reasons during the period of demolition. Marine traffic would be restricted within the clear zone as well. Wildlife could also be temporarily displaced immediately following detonation which could potentially impact hunters, birdwatchers, fishermen, etc. Noise associated with these activities would also be uncharacteristic of that which is normally observed within the park. Construction activities would potentially be visible from park areas frequented by visitors. This minor impact to the viewscape would be limited to the construction period and intermittent over the approximately one (1) year project duration. Tracked vehicles and work may also compromise the quality of hunting within the park if the sights and sounds of construction have an impact on park wildlife in the area.

Greater detail is described within the Visual Impact Analysis Report in Appendix 10.

This project would replace the existing timber H-frame wooden structures and steel structures with 85 foot tall monopole self-supported structures designed to withstand higher wind loads and be more resilient in the coastal environment. The new structures would also eliminate the need for guy wires and reduce the overall footprint of the line and its supports. Existing H-frame wooden structures are in poor condition with many leaning vertical members visible when viewed from LA

Hwy 301 and residential communities on Jones Point. Proposed structures are constructed of galvanized steel and have a light gray color. These new structures would occupy less surface area than the existing H-frame wooden structures due to the single pole construction of the steel structures. Electrical line color would remain unchanged from the existing line to the proposed line. The current transmission line contains a mix of H-frame wooden structures, monopole structures, and lattice structures comparable to what is being proposed for the entire line, thus making the addition of all new steel structures less drastic to marsh observers from this point.

Specific impacts to the viewscape and aesthetic environment as a result of Proposed Action would include the following:

- Steel structures may appear more visible due to greater vertical height.
- The color of the steel structure would be slightly less visible than the darker wooden structure against the sky where no backdrop exists.
- No net impact is anticipated through conductor change because the colors would remain the same.
- The taller steel structures proposed would extend vertically above the tree line making them more visible than existing H-frame wooden structures which blend in more easily when wooded areas comprise the viewscape.
- Single-pole configurations occupy a smaller surface area than the existing H-frame vertically braced wooden structures, due to two or more vertical members being required to support the H-frame. The H-frame structures are also equipped with visible guy wires that are sometimes visible at great distances. The proposal would eliminate these features, reducing the visible surface area of the support structures.

Also see the Visual Impact Analysis Report in Appendix 10.

Cumulative Impacts

The structural design changes being proposed for the new steel structures are expected to provide a positive impact on the overall aesthetics of JELA viewscape. In addition, recent similar projects within JELA have also incorporated single-pole steel structures which occupy less surface area and present a less visible color thus improving the overall viewscape of JELA. An example of one such project is Ninemile to Barataria which shares a portion of the ROW with the Golden Meadow to Barataria transmission line and was completed in 2019. Following the completion of the Proposed Action, the ROW occupied by both the Ninemile to Barataria and Golden Meadow to Barataria transmission lines would consist of only steel monopole structures. Recreation and visitor experiences would also benefit from cumulative impacts because the visual landscape would be less frequently impacted by repair and/or maintenance activities. Less equipment travel within JELA would result in minimization of impacts to activities such as hunting, fishing, and wildlife observing that JELA visitors rely on for a positive experience.

Conclusion

No long-term adverse impacts to the Park's visitor experience or aesthetic environment are anticipated from the Proposed Action because there is already an existing line through the park. The addition of taller poles does not substantially change the viewshed, and the steel color of the new poles is considered a beneficial impact as they are less visible than the existing wooden poles against the sky where no backdrop exists.

Cultural Resources

NO ACTION ALTERNATIVE

Under this alternative, the NPS would not issue a SUP to Entergy to demolish and rebuild the existing Golden Meadow-Barataria 115kV T-Line through JELA. No potential impacts to archeological sites and/or registered historic properties would occur due to construction activities not being conducted.

ACTION ALTERNATIVE

Only one cultural resource site is known within the project area. Site 16JE80 is located on Jones Point on either side of the Bayou Segnette Waterway. This prehistoric site was determined to be ineligible for listing on the NRHP with concurrence by the SHPO in a letter dated December 28, 2021. In addition, the site was heavily disturbed prior to NPS ownership and enactment of the NHPA, first by dredging activity in the 1950s, later by the construction of the high voltage transmission tower in the mid-1960s, and finally with erosion.

The Proposed Action includes relocating the lattice Structure 287 on Jones Point currently within the boundaries of archaeological site 16JE80 to the southwest and out into open water. This would remove the structure from the boundaries of the archeological site and JELA. The foundation pillars associated with Structure 287 would remain in place to ensure that no additional ground disturbance would occur within archeological site 16JE80 and reduce the potential impacts to the archaeological site. However, archeological site 16JE80 was determined to be ineligible for listing on the National Register of Historic Places with concurrence by the SHPO in a letter dated December 28, 2021 (see appendix 8).

Previous communications with the SHPO occurred on May 21, 2021, March 21, 2022, and May 25, 2022. Entergy received concurrence of No historic properties affected on January 9, 2022, via the OCM SONRIS. Previous communications with the tribes occurred on May 21, 2021 and .

Since the January 9, 2022 concurrence, Entergy has changed their methods for demolition for two structures (287 and 288), using a combination of explosives and ground-based equipment (described in more detail in Section 3.0). Modifications to the construction design of the project included relocation into open water away from the terrestrial portion of the existing transmission line. This allows the project to be constructed in a manner that would prevent the archeological site from being further impacted, thus combatting further degradation of the site which would be beneficial in preserving its future integrity. Because the new electrical transmission structures would be installed in the same general locations as the existing ones, except for Structure 287 and 288 which would be relocated, and NPS has determined that the proposed undertaking would not adversely affect cultural resources and that the proposed construction with changes will have “No Adverse Effect” on historic properties eligible to the National Register.

SHPO concurred on November 3, 2022, that the proposed undertaking will have no adverse effect on historic properties. All correspondence with SPO and the tribes are located in appendix 8.

Cumulative Impacts

Should the Shoreline Protection at Lake Salvador project intersect in space and time with the proposed project, construction could occur at or near the archaeology site 16JE80 during both projects, however the site was determined to be ineligible for listing on the NRHP with

concurrence by the SHPO in a letter dated December 28, 2021. This project combined with the construction of the Shoreline Protection project would be considered a cumulative impact to the cultural resources in the areas in and around site 16JE80.

Conclusion

NPS has determined that the proposed undertaking would not adversely affect cultural resources and that the proposed construction with changes would have "No Adverse Effect" on historic properties eligible to the National Register.

Soils and Geology

NO ACTION ALTERNATIVE

Under the No Action Alternative, the NPS would not issue a SUP to Entergy to demolish and rebuild the existing Golden Meadow-Barataria 115kV T-Line through JELA. The No Action Alternative would prevent any of the shallow soils within JELA from being disturbed by construction equipment access during the removal and installation of structures. Due to the inoperable condition of the line following recent storm events, no continual maintenance activities would be required under the No Action Alternative.

ACTION ALTERNATIVE

Under the Proposed Action, construction activities would occur during the demolition and installation of twenty-nine (29) new structures. The below-grade portions of the existing structures (foundation pilings, and guy wire anchors) would be removed; however, if reasonably non-invasive construction methods are unsuccessful in removing these foundation pilings or guy wire anchors, then the foundation pilings would either be cut off or driven down to 3 feet below grade and the guy anchors would be cut off 3 feet below grade. All structures would be installed with baseplated vibratory caisson foundations. These caissons would result in a minor surface area impact and require no excavation or fill. Each pole would have a surface impact of approximately 0.0006 acres (6-foot diameter) per structure and be driven to a depth of approximately 36 feet bgs. Each new Pyramax structure would be installed on four (4) baseplated vibratory caisson foundations which would result in a minor surface area impact with no excavation or fill required. Each new structure would have a total surface impact of +/- 0.004 acres (each caisson having a 7-foot diameter), and the vibratory caisson foundations would be installed to a depth of approximately 74 feet bgs. Structure installation and wire stringing would also result in ground disturbance related to equipment access.

Cumulative Impacts

Due to the reduction of overall footprint of the transmission line and minor impacts anticipated, the proposed project would contribute negligibly to other impacts resulting from past, present, and reasonably foreseeable projects within JELA.

Conclusion

Overall, the minor impacts to shallow soils within JELA are long term; however, due to the overall footprint of the steel monopole structures occupying a smaller area than that of the existing structures, the net decrease is considered beneficial to these resources. No significant impacts to the Park's soils and geology are anticipated from the Proposed Action.

Water Resources

NO ACTION ALTERNATIVE

Under the No Action Alternative, the NPS would not issue a SUP to Entergy to demolish and rebuild the existing Golden Meadow-Barataria 115kV T-Line through JELA resulting in no impacts to the surface waters directly adjacent to and downstream of the project areas. The potential for temporary effects on surface waters directly adjacent to and downstream of the project area from equipment disturbance of wetland soils would not be present.

ACTION ALTERNATIVE

Under the Proposed Action, short-term effects on surface waters directly adjacent to and downstream of the project area could potentially occur. The transmission line corridor associated with the proposed project crosses one (1) named waterbody (the Bayou Segnette Waterway) within the Barataria Preserve as well as wetlands. Open water access routes would be utilized to the maximum extent practical by the marsh buggies and/or marsh cranes. Tugs and barges would access the project area from the south via the GIWW and utilize deep water areas (Bayou Segnette) to stage equipment to the maximum extent practical. Bayou Segnette would also be utilized by airboats and outboard driven vessels to transport personnel to the project area from the north. Vessels would follow routes of deep water whenever possible.

Project activities would have the potential to affect adjacent and downstream water bodies through soil mobilization. Equipment and vessels could potentially disturb waterways by mobilization of soils and/or disturbance of sediments in open water areas. Water quality in nearby and/or adjacent waterbodies could be temporarily degraded as a result; however, this impact would be restored once the project has been completed and soils are stabilized. Increased turbidity could potentially temporarily limit light penetration and nutrient transport within the water column which is necessary for plant recovery following disturbance. Total Suspended Solids, a regulated pollutant, could increase water temperature and decrease oxygen levels resulting in a degradation of water quality in any receiving stream. Best Management Practices will be implemented to reduce the overall impacts to the water resources within JELA to the greatest extent possible.

Due to the close proximity of Structure 287 to the shoreline, where the area is shallow and turbid, no navigational hazards are expected to occur.

Accidental releases of contaminants from equipment during various stages of construction could potentially affect surface waters and include oil, grease, and diesel. Due to the low volume of these products stored within the equipment being proposed for this project, contractors would be capable of containing any releases with spill kits, absorbent pads, booms, etc. before it migrates outside of the work areas.

No sanitary wastewater would be discharged from the construction areas. Portable sanitary units would temporarily be placed on equipment barges and at the project's staging yard located outside JELA. Waste would be removed from the sanitary units by licensed septage disposal contractors to ensure that the nearby receiving streams are not impacted.

Correspondence was sent to the LDEQ on November 22, 2021, requesting review and comment on the Proposed Action. In a response dated January 10, 2022, LDEQ stated that the agency had "no objections" to the Proposed Action. The response also stated that all discharges from

the project site must be evaluated for the need of an LPDES permit. Appendix 3 contains copies of the request letters and responses.

Cumulative Impacts

The temporary water quality impacts from equipment tracking, structure removal and installation, and open water access are not anticipated to be substantial enough to cause water quality impairment under the standards of Louisiana Administrative Code, Title 33, Part IX. Increased boat traffic resulting from the Proposed Action would be temporary, and the additional volume would be negligible in comparison to the past, present, and foreseeable marine travel experienced throughout this area of JELA.

Should the Shoreline Protection at Lake Salvador project intersect in space and time with the proposed project, short-term, minor, adverse impacts including increases in turbidity and sedimentation and decreases in dissolved oxygen levels associated with the construction of the Shoreline Protection project would be considered a cumulative impact to the water resources in the areas in and around the project locations. Water quality in nearby and/or adjacent waterbodies would be restored once the projects have been completed and soils are stabilized. Potential for a release from heavy equipment would also be a heightened short-term, minor, adverse impact. Due to the proposed location of the Shoreline Protection breakwater, marine traffic would be permanently limited in the area; however, as stated in the Draft Restoration Plan/Environmental Assessment #1.3: Rabbit Island Restoration Project & Shoreline Protection at Jean Lafitte National Historic Park and Preserve Project prepared by the Louisiana Trustee Implementation Group in November 2019, “recreational fishing boats typically do not approach any nearer than casting distance to the shore”. The proposed location of Structure 287 would be situated on the protected side of the shoreline protection structure, thus eliminating exposure to any marine traffic.

No cumulative impacts to water resources are anticipated as a result of the Lafitte Levee Proposal at Jones Point neighborhood.

Conclusion

Overall, the impacts to water resources within JELA would be short term due to the potential of mobilization of nearby soils being eliminated once the project area has been naturally restored to pre-project conditions. Any increases in turbidity caused by waterbottom disturbance would subside in a short period of time, and any water quality degradation would be short-term as well. Sources of accidental releases of oils and fuels will be eliminated once equipment is mobilized out of the project area. No significant impacts to the Park’s water resources are anticipated from the Proposed Action.

Soundscapes

NO ACTION ALTERNATIVE

Under the No Action Alternative, the NPS would not issue a SUP to Entergy to demolish and rebuild the existing Golden Meadow-Barataria 115kV T-Line through JELA, thus no temporary increase in noise levels due to construction activities would occur.

ACTION ALTERNATIVE

Under the Proposed Action, temporary increases in noise levels would occur periodically throughout the duration of the proposed construction activities. Construction equipment such as amphibious equipment, etc. are expected to cause increases in normal background noise levels of the project area. Increased noise from charged explosives used in the demolition phase would be short-term but could reach levels at or above 150 decibels. A mass notification of the scheduled blast would be conducted by Entergy and the Louisiana State Police. The greatest contributor to noise would be helicopters which could reach ground detecting dBA levels ranging from 82-95 dBA while hovering at heights of 400 feet and 100 feet respectively (Taken from the NPS Report No. GRCA-07-05 "Overflights and Natural Soundscape Program" October 29, 2007).

The noise produced by the Proposed Action would be limited to the duration of construction (approximately 12 months), intermittent, and detectable by areas outside of the ROW throughout the project. Tracked amphibious equipment access to the project area would be limited to the designated ROW to avoid unnecessary impacts to the Park's soundscape. The noise produced by the Proposed Action would be limited to the duration of construction (approximately 12 months), intermittent, and detectable by areas outside of the ROW throughout the project. Helicopters would approach the project area from a material staging yard(s). Although temporary increases in noise levels would occur from Proposed Action, no long-term impacts to ambient sound quality of the JELA are anticipated. Wildlife in the area may be temporarily displaced to nearby habitats due to noise during construction but would return to the area once activities are complete.

Cumulative Impacts

Temporary increases in noise levels would be anticipated as a result of the Proposed Action. Existing sources of noise within JELA soundscape include boat operations on adjacent waterways, vehicle operations on adjacent roadways, and overhead aviation operations. Increases in ambient noise levels could compromise the quality of the experience for recreational visitors of JELA and also displace wildlife whose habitats in close proximity to sources of noise; however, the Proposed Action is not expected to add long-term significant increases to noise outside of what currently exists in the local soundscape. Due to increases in noise levels resulting from the presence of the Golden Meadow to Barataria and other electrical transmission lines in JELA during construction and maintenance activities being intermittent and short-term in nature, this project is expected to be a minor contribution to the temporary degradation of the soundscapes found under natural circumstances within the JELA.

The Shoreline Protection at Lake Salvador project proposes construction of a rock breakwater utilizing heavy earth moving machinery and diesel driven marine vessels along the eastern shoreline of Lake Salvador in the JELA. According to the EA, "the dominant noise source from construction elements is expected to be associated with the dredging of access channels and transport and placement of riprap". Other sources of noise would be credited to pile driving and activities associated with mobilizing construction equipment and materials. There are no highly populated areas near the Shoreline Protection project; therefore, impacts to residential populations would be minimal, and only minor impacts to wildlife could occur. The overall conclusion was that short-term, minor to negligible, adverse impacts to the surrounding soundscapes would be limited to construction activities.

The installation of Structure 287 in open water off of Jones Point is not expected to produce noise at great enough levels to displace wildlife. Because of the minor to negligible determination for the Shoreline Project, it can be speculated that the cumulative impact of both projects occurring simultaneously would pose short-term, minor, adverse impacts to the soundscape.

No cumulative impacts to water resources are anticipated as a result of the Lafitte Levee Proposal at Jones Point neighborhood.

Cumulative impacts from recreational and commercial boating activities on Bayou Segnette and Bayou Barataria were considered; however, when compared to noise impacts discussed for the Shoreline Restoration at Lake Salvador project, noise was determined to be insignificant and negligible.

Conclusion

Although temporary increases in noise levels are expected to result from the Proposed Action, no long-term, significant, adverse impacts to ambient sound quality of the Barataria Preserve would occur. Wildlife in the area may be temporarily displaced to nearby habitats due to noise during construction and demolition but would return to the area once activities are complete. Furthermore, no long-term significant adverse impacts are anticipated even under speculative circumstances where multiple projects occur during the same time frame in and near Jones Point.

Wildlife and Protected Species

NO ACTION ALTERNATIVE

Under the No Action Alternative, the NPS would not issue a SUP to Entergy to demolish and rebuild the existing Golden Meadow-Barataria 115kV T-Line through JELA. The No Action Alternative is not expected to impact threatened and endangered species and/or critical habitat since none were identified in the project area.

ACTION ALTERNATIVE

The proposed project could result in minor impacts to fisheries habitat during open water vessel and equipment travel. Water quality and benthic species would be expected to rebound from any impacts once project construction would be complete. Impacts to cover and foraging for managed species would not be anticipated to contribute to significant increases in cumulative impacts to managed species as the project does not require clearing of additional ROW and the structures are small in size compared to the available wildlife habitat in other parts of JELA.

Wildlife in the area may be temporarily displaced to nearby habitats due to noise and equipment operating during construction activities but would return to the area once construction would be complete. This also includes open water access routes utilized by the marsh buggies and/or marsh cranes and tugs and barges in deep water areas (Bayou Segnette and the GIWW) to stage equipment. Noise and air blasts associated with explosive detonation proposed for structures 287 and 288 would have the potential to cause wildlife in the general vicinity of the blast to be temporarily displaced.

Due to demolition and construction activities being performed within an existing ROW that requires no clearing or alterations to habitat in the project area, long-term impacts to wildlife and EFH species and habitats would not occur. The Action Alternative would not be expected to impact threatened and endangered species and/or critical habitat since none were identified in

the project area. No impacts to rare, threatened or endangered species or critical habitats would be anticipated from the proposed project.

The open water areas being proposed as access for tugs, barges, and boats are navigable and subjected to frequent travel throughout the year. The increase of marine traffic resulting from the proposed project is assumed to be negligible in comparison to everyday use of these waterways. No long-term adverse impacts to fish and wildlife species are anticipated as a result of open water vessel traffic.

In addition to the potential impacts to wildlife and protected species Proposed Action would impose a long-term beneficial impact to marine species in the vicinity of Jones Point. Due to the small footprint of the proposed Structure, adverse impacts in the form of disturbance, injury, and/or increased mortality rates of benthic species, invertebrates, and fishes in juvenile life stages directly in the structure base footprint would be negligible. The installation of Structure 287 off of Jones point would present a long-term beneficial impact to the benthic fauna and fishes present in this area by creating a hard substrate for colonization, protection for fry and invertebrates, and would introduce a new, permanent artificial habitat. Foraging opportunities could increase near the structure and could enhance naturally occurring species populations.

Furthermore, on November 4, 2021, the USFWS, through its on-line ESA and MBTA Project Review tool indicated that the proposed project would “Not Likely to Adversely Affect” the Threatened West Indian Manatee. Standard manatee avoidance protocol for in-water work will be followed.

The IPaC initially indicated that the project “May Affect” the Threatened Eastern Black Rail, however an additional IPaC Consistency Letter signed December 13, 2021, determined that the project as proposed would “Not Likely to Adversely Affect” the Threatened Eastern Black Rail.

In a letter dated December 10, 2021, the LDWF Coastal & Nongame Resources Division stated that no impacts to rare, threatened, or endangered species or critical habitats are anticipated for the proposed project.

Appendix 7 contains copies of the request letters and responses.

Cumulative Impacts

Minor impacts to fisheries habitat from the boat traffic necessary for the proposed project as well as the degradation of water quality by increased sedimentation and turbidity are anticipated to be short-term and minor in nature. Any affected waters and benthic shoreline habitats are expected to return to natural pre-project conditions upon the completion of construction. Wildlife in the area may be temporarily displaced as a consequence of increased noise and human activity during construction; however, because the majority of the project is to be conducted entirely within existing ROW, the impact to terrestrial wildlife species is anticipated to be a temporary and minor adverse impact.

The Shoreline Protection at Lake Salvador project proposes construction of a rock breakwater utilizing heavy earth moving machinery and diesel driven marine vessels along the eastern shoreline of Lake Salvador in the Preserve. According to the EA, short-term, adverse impacts to fishes would be concentrated within access channels and in open waters. Benthic communities would be adversely impacted but are anticipated to recolonize quickly. It is also noted that some life stages of invertebrate and fish species may suffer injury or mortality due to a lack of mobility,

but because of species commonality and abundance, the impacts on the overall population are expected to be minor. Any adverse impacts to fishery and benthic species from the Shoreline Protection project would be short-term and minor. Any impact to terrestrial wildlife species would be short-term, minor, and adverse during site preparations and staging activities, and the installation of the breakwaters would provide both short and long-term beneficial impacts.

Short-term minor adverse and long-term beneficial cumulative impacts are anticipated for wildlife and protected species and fish and benthic species should the two projects take place concurrently.

Furthermore, cumulative impacts incurred from the installation of a more resilient infrastructure are considered long term and beneficial to the fish and wildlife species that could otherwise be temporarily displaced or suffer permanent loss of habitat from continuous tracking of equipment into the Preserve.

Conclusion

With the exception of the installation of Structure 287, the project area is within an existing ROW that has little valuable habitat for wildlife. Nearby waterbodies and shorelines will be temporarily impacted by the proposed activities, but these impacts will be short-term due to the potential of mobilization of nearby soils being eliminated once the project area has been naturally restored to pre-project conditions. Any increases in sedimentation would subside in a short period of time, and any water quality degradation would be short-term as well. The installation of Structure 287 off of Jones Point would present a long-term beneficial impact to the benthic fauna and fishes present in this area by creating a hard substrate for colonization, protection for fry and invertebrates, and would introduce a new, permanent artificial habitat. Foraging opportunities could increase near the structure and could enhance naturally occurring species populations. No long-term adverse significant impacts to the Park's wildlife and protected species are anticipated from any proposed alternatives.

Coastal Zone and Wetlands

NO ACTION ALTERNATIVE

Under this alternative, the NPS would not provide a special use permit (SUP) to allow Entergy to demolish and rebuild the existing 2.63 miles of the Golden Meadow-Barataria 115kV T-Line through JELA. The No Action Alternative would not eliminate the potential hazards that result from the presence of damaged structures within the Preserve. The No Action Alternative would also not re-establish one of the primary pathways of power to the electrical transmission system and provide increased transmission grid reliability and future load serving capabilities for the Golden Meadow-Barataria line. Due to the condition of the line following recent storm events, no continual maintenance activities would be required under the No Action Alternative resulting in abandonment in place of the existing 2.63 miles of the Golden Meadow-Barataria 115kV T-Line through JELA.

Operation of Construction equipment for demolition and installation of the new structures would not occur in wetlands and there would be no habitat impacts.

ACTION ALTERNATIVE

The construction of the proposed transmission line would result in temporary, moderate adverse impacts to approximately 13.86 acres of wetlands and 0.02 acres of permanent wetland impacts from new structure installation project wide. A majority of the species listed in the Vegetation and Habitat section of this report would be disturbed. Impacts are largely due to equipment traffic in the existing ROW. There would be no fill material brought in for the pole replacements during the project and there would be no significant permanent loss or degradation of wetland function. The temporary adverse impacts (in the form of rutting, soil compaction, and vegetation destruction) would likely result from the movement of survey crew and construction crew equipment through the Preserve to construct the transmission line.

The area within the existing transmission line ROW was disturbed in the past due to maintenance and repair activities. The Proposed Action would cause additional impacts to this vegetation through equipment access.

Under the Proposed Action, tracked amphibious marsh equipment and barges would be utilized in construction activities. The ROW width for the majority of the route is 100 feet wide. The ROW increases to 175 feet in width along the corridor over a distance of +/-0.63 miles north of the Barataria Substation. Workspace access would be accomplished entirely within the existing boundaries of the 100-175 foot ROW.

All construction equipment would remain within the access routes and designated ROW. Open water access routes would be utilized to the maximum extent practical by the marsh buggies and/or marsh cranes. Tugs and barges would utilize deep water areas (Bayou Segnette) to stage equipment to the maximum extent practical. Marsh buggies/tracked equipment would attempt to achieve ingress and egress by remaining within the footprint of one equipment width track throughout the duration of the project (“one pass”) when traversing vegetated wetlands. Contractors would be allowed to utilize an additional pass in the event that ingress and egress could not be achieved with “one pass” if a minimum of one buggy width is maintained between tracks. This additional impact would be documented for the purposes of quantifying compensatory mitigation upon completion of the project.

The freshwater marsh located in the ROW is expected to be recolonized and to recover rapidly based on data and observations from other projects within the Preserve. Freshwater marsh plants are anticipated to rapidly regrow in the disturbed site through natural native recruitment as most of the root and rhizome structure would remain intact. The rate of estimated marsh recovery is based on the results of similar marsh restoration projects in the area.

Transmission line construction would result in moderate adverse impacts to freshwater forested/shrub wetlands involving the majority of the species listed in Table 2 of WSOF in Appendix 1. There would be no fill material brought in for pole replacements during the project. There would be no permanent loss or degradation of wetland function. Temporary adverse impacts such as rutting, soil compaction, and vegetation destruction could result from the movement of construction crew equipment through the Preserve. Some sites within the ROW would recover better than others based upon levels and frequencies of past disturbances. Ruts would be created within the area as tracked vehicles ingress and egress the ROW. These ruts may rebound to a greater or lesser degree. Marsh vehicles may become mired and create a hole within the marsh. Environmental compensation is therefore required to offset any potential net loss of wetlands and wetland functions from this project. In addition to fixing the ruts by filling them in, the compensatory mitigation plan for wetland loss of function requires invasive species control

in other park areas as a method to restore marsh functions and values within the Barataria Preserve overall.

The maximum anticipated number of temporal and permanent wetland impacts is 13.86 acres which would be the result of a 100' x 100' workspace being utilized around each structure and a 30' wide equipment track between each structure for the entire length of the ROW.

Efforts would be taken throughout the duration of construction to minimize impacts wherever possible. Mitigation measures are detailed in the WSOF and summarized in Section 2.0.

Cumulative Impacts

Overall, the impacts to the Coastal Zone and wetlands would result in temporary, moderate adverse impacts to approximately 13.86 acres of wetlands project-wide including 0.02 acres of permanent wetland impacts from the new structure installation. The area within the existing ROW was disturbed in the past due to maintenance and repair activities and the preferred alternative would cause additional impacts to this vegetation and habitat through equipment access. The repetitive disturbance of the ROW from maintenance activities and construction and demolition activities further degrades the quality of wetlands present in the area with each additional event.

Entergy has implemented the use of steel monopole structures for the majority of its newly constructed transmission lines in lieu of the traditional wooden H-frame configuration utilized historically in JELA and throughout the service area region. These structures are designed to withstand stronger winds during tropical events and require less routine maintenance that H-frame wooden structures. The cumulative impacts of more resilient infrastructure are considered long term and beneficial to the high quality flotant marsh and other wetland plant species that could otherwise be temporarily or permanently damaged from because of frequent tracking of equipment into JELA for post-storm repairs.

No cumulative impacts to the coastal zone and wetlands are anticipated as a result of the Lafitte Levee Proposal at Jones Point neighborhood or the Shoreline Protection at Lake Salvador project.

Conclusion

The construction of the proposed transmission line would result in temporary, moderate adverse impacts to approximately 13.86 acres of wetlands project-wide that includes 0.02 acres of permanent wetland impacts from new structure installation. The area within the existing transmission line ROW was disturbed in the past due to maintenance and repair activities. Best management practices will be implemented to avoid impacts to wetlands. For those impacts that cannot be avoided, restoration and rehabilitation actions are required. In addition, compensatory mitigation for temporal loss to wetlands in the ROW for this project is the treatment of invasive plant species at a 5:1 ratio. The total area to be treated for compensation is 69.2 acres.

Two locations within the Barataria Preserve totaling +/- 204 acres have been identified as areas where invasive non-native plant species are taking over natural vegetation and treatment is needed (see Figures 7 and 8). Specific areas for treatment will be assessed and selected from the identified +/-204-acre areas and submitted in a work plan to be reviewed and approved by NPS prior to beginning treatment.

The NPS finds that there are no practicable alternatives to disturbing approximately 13.86 acres of wetlands within the proposed project area in the existing ROW. Wetlands would be avoided to

the maximum practicable extent, and any wetland impacts that could not be avoided would be minimized. Wetlands adversely affected by the equipment access into the project area would have compensatory mitigation for temporal loss but expected to recover most of their functions and values over time.

The WSOF was prepared in accordance with EO 11990 and the NPS Director's Order 77-1 and its accompanying Procedural Manual. Executive Order 11990 – Protection of Wetlands – that requires the NPS and other Federal agencies to evaluate the likely impacts of actions on wetlands. The objectives of the EO are to avoid, to the extent possible, the long-term and short-term adverse impacts associated with occupancy, modification, or destruction of wetlands, and to avoid indirect support of development and new construction in such areas, wherever there is a practicable alternative. Unavoidable impacts to wetlands on federal lands would be compensated for by replacement using a ratio of 5:1 as per NPS policy (see Section 5.2.3 of NPS Procedural Manual #77-1 Wetland Protection). Therefore, the mitigation plan is consistent with NPS no net loss of wetlands policy.

Figure 7: Millaudon/ Kenta Compensatory Mitigation Treatment Areas

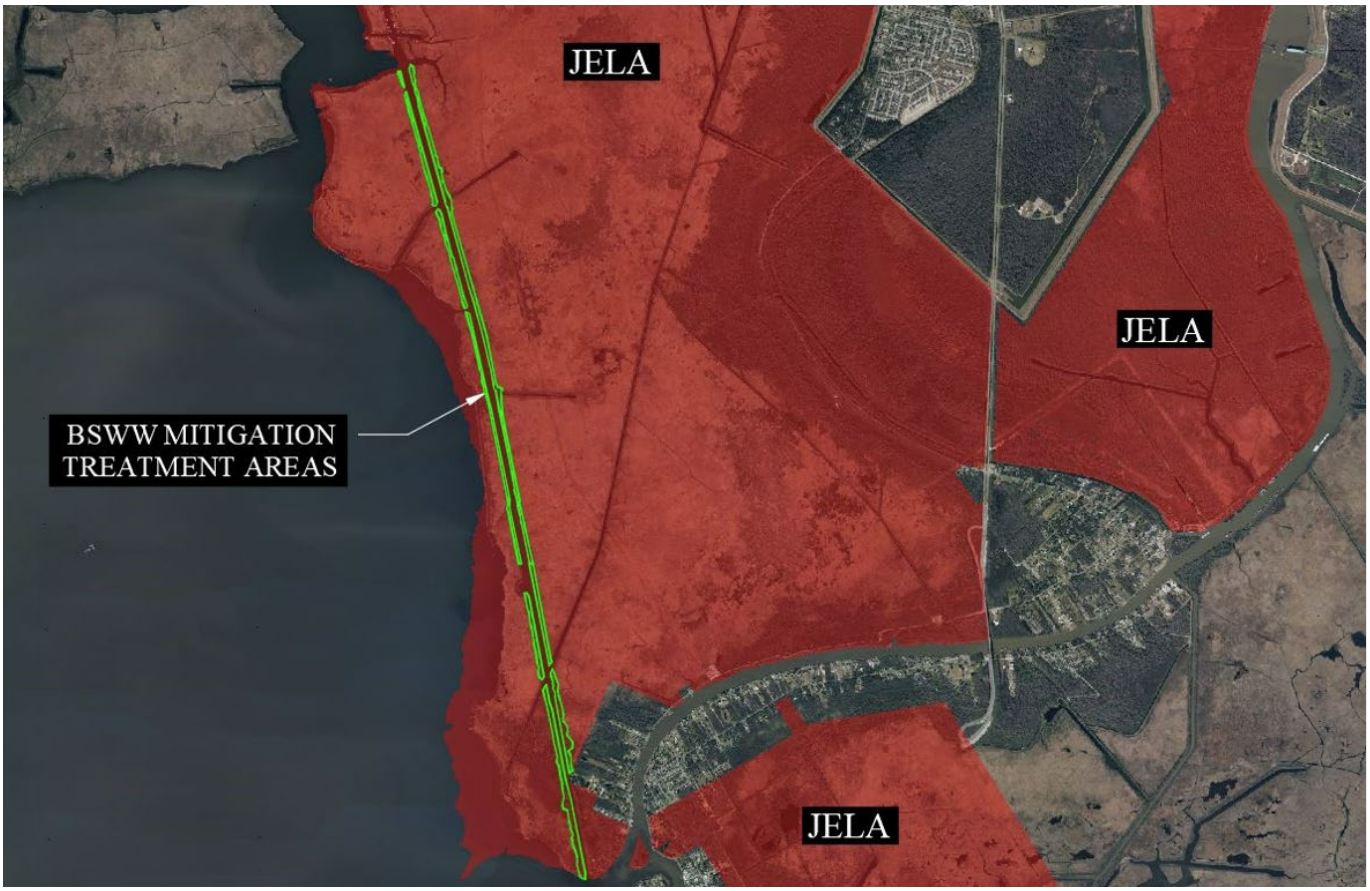


Figure 8: Bayou Segnette Compensatory Mitigation Treatment Area

CONCLUSION/SUMMARY

Entergy has applied for a SUP to demolish and rebuild an existing timber and steel supported 115kV transmission line crossing the Barataria Preserve unit of JELA. The Golden Meadow-Barataria transmission line serves as a primary pathway of power to the electrical transmission system that feeds southern Lafourche and Jefferson Parishes.

This draft environmental assessment has thoroughly evaluated the environmental impacts of the Proposed Action.

The No Action Alternative would not eliminate the potential hazards that result from the presence of damaged structures and would cause long-term adverse impacts on the viewscape within JELA because the structures would be abandoned in place. The No Action Alternative would also not re-establish one of the primary pathways of power to the electrical transmission system and provide increased transmission grid reliability and future load serving capabilities for the Golden Meadow-Barataria line. Due to the condition of the line following recent storm events, no continual maintenance activities would be required under the No Action Alternative.

This draft EA has thoroughly evaluated the environmental impacts of the Proposed Action. Although the Action Alternative would cause short-term, minor impacts to JELA viewscape, shallow soils, wetlands, water resources, wildlife, and soundscapes, the resources are expected to return to pre-project conditions once construction is complete. The intent of the mitigations, permits, and environmental commitments described in Chapter 2 of this EA is to minimize impacts to these resources to the greatest extent possible.

In addition, a WSOF is included in Appendix 1 for the Proposed Action. It has been determined that there are no practicable alternatives to disturbing approximately 13.86 acres of wetlands within the proposed project area in the existing ROW. Wetlands would be avoided to the maximum practicable extent, and any wetland impacts that cannot be avoided would be minimized. Wetlands adversely affected by the equipment access into the project area would have compensatory mitigation for temporal loss but are expected to recover most of their functions and values over time.

5.0 Agency Coordination and Public Involvement

AGENCY INVOLVEMENT

The following agencies and organizations were sent requests for review and comment via letters and attached maps/drawings of the Proposed Action. Copies of the letters and responses can be found in the Appendix section pertaining to each potentially affected environment:

- Alabama-Coushatta Tribe of Texas
- Alabama-Quassarte Tribal Town
- Caddo Nation of Oklahoma
- Chitimacha Tribe of Louisiana
- The Choctaw Nation of Oklahoma
- Coushatta Tribe of Louisiana
- Jena Band of Choctaw Indians
- Kialegee Tribal Town
- Mississippi Band of Choctaw Indians
- Poarch Band of Creek Indians
- Seminole Nation of Oklahoma
- Seminole Tribe of Florida
- Thlopthlocco Tribal Town
- Tunica-Biloxi Tribe of Louisiana
- Eastern Shawnee Tribe of Oklahoma
- Louisiana Office of Indian Affairs
- Louisiana Department of Environmental Quality – Air Quality Division
- Louisiana Department of Environmental Quality – Water Quality Division
- Louisiana Department of Natural Resources – Office of Coastal Management
- Louisiana Office of Cultural Development, Division of Historic Preservation, State Historic Preservation Office (SHPO)
- Louisiana Department of Wildlife and Fisheries
- U.S. Fish & Wildlife Service
- U.S. Army Corps of Engineers
- U.S. Department of Agriculture – NRCS (Office of Soil/Water Conservation)
- U.S. Fish & Wildlife Service – Louisiana Field Office
- U.S. Environmental Protection Agency (EPA)
- Jefferson Parish Government

Public Review and Comments

NEPA requires that the NPS make a diligent effort to involve the interested and affected public on a proposal for which an EA is prepared. This includes but is not limited to public review of EAs and responses to comments.

This EA will be available for public comment for a period of 30 days. Copies will be provided upon request to interested individuals and comments should be submitted back to the NPS prior to the end of the commenting period. All public comments will be reviewed following the closure of the review period and analyzed prior to release of the decision document. The NPS will issue responses to substantive comments received during this period and make editorial changes to the EA using an errata, if necessary.

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National Park Service, Jean Lafitte National Historical Park and Preserve

REFERENCES

Hatt, J., T. Prebyl, G. Sundin, L. Worsham, N. Nibbelink, G. Grossman, and M. Mengak. 2015. Natural resource condition assessment for Jean Lafitte National Historical Park and Preserve. Natural Resource Report NPS/JELA/NRR—2015/953. National Park Service, Fort Collins, Colorado

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APPENDIX 1
WETLAND STATEMENT OF FINDINGS

National Park Service
U.S. Department of the Interior

Jean Lafitte National Historical Park and Preserve
Louisiana

STATEMENT OF FINDINGS
FOR
EXECUTIVE ORDER 11990 (PROTECTION OF WETLANDS)
AND
EXECUTIVE ORDER 11988 (FLOODPLAIN MANAGEMENT)

GOLDEN MEADOW-BARATARIA ELECTRICAL TRANSMISSION LINE REBUILD
ENTERGY LOUISIANA, LLC
BARATARIA PRESERVE
JEAN LAFITTE NATIONAL HISTORICAL PARK AND PRESERVE
JEFFERSON PARISH, LOUISIANA

Recommended:

Superintendent, Jean Lafitte National Historical Park and Preserve — Date

Certification of Technical Adequacy and Service-wide Consistency:

Chief, Water Resources Division — Date

Approved:

Regional Director — Date

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1. INTRODUCTION

1.1 Wetlands

Executive Order (EO) 11990: Protection of Wetlands, issued May 24, 1977, directs all federal agencies to avoid to the maximum extent possible the long- and short-term adverse impacts associated with the occupancy, destruction, or modification of wetlands, and to avoid direct or indirect support of new construction in wetlands wherever there is a practicable alternative. In the absence of such alternatives, parks must modify actions to preserve and enhance wetland values and minimize degradation.

To comply with EO 11990 within the context of the agency's mission, the National Park Service (NPS) has developed a set of policies and procedures found in Director's Order (DO) #77-1: Wetland Protection (NPS 2002) and Procedural Manual (PM) #77-1: Wetland Protection (NPS 2012). These policies and procedures emphasize: 1) exploring all practical alternatives to building on, or otherwise adversely affecting, wetlands; 2) reducing impacts to wetlands whenever possible; and 3) providing direct compensation for any unavoidable wetland impacts by restoring degraded or destroyed wetlands on other NPS properties. If a preferred alternative would have adverse impacts on wetlands, a Statement of Findings (WSOF) must be prepared that documents the above steps and presents the rationale for choosing an alternative that would have adverse impacts on wetlands.

According to NPS DO 77-1, the wetlands procedural manual, the NPS adheres to the Cowardin et al. 1979 wetlands classification scheme. The NPS adheres to a "no net loss" of wetlands policy as well as other federal and agency policies. This statement of findings has been prepared in accordance with EO 11990 (Protection of Wetlands) and NPS DO #77-1.

1.2 Floodplains

Executive Order 11988 requires federal agencies to avoid, to the extent possible, adverse impacts associated with the occupancy and modification of floodplains and to avoid direct or indirect support of development in floodplains wherever there is a practicable alternative. Requirements of EO 11988 are applied to NPS facilities in DO 77-2 and the supporting Procedural Manual 77-2: Floodplain Management.

1.3 PROPOSED ACTION

The proposed action would include demolition of twenty-nine (29) and replacement of twenty-eight (28) existing timber and steel support electrical transmission structures for 2.63 miles of the 115kV Golden Meadow -Barataria transmission line within an existing right-of-way (ROW) in the Barataria Preserve of Jean Lafitte National Historical Park and Preserve (JELA).

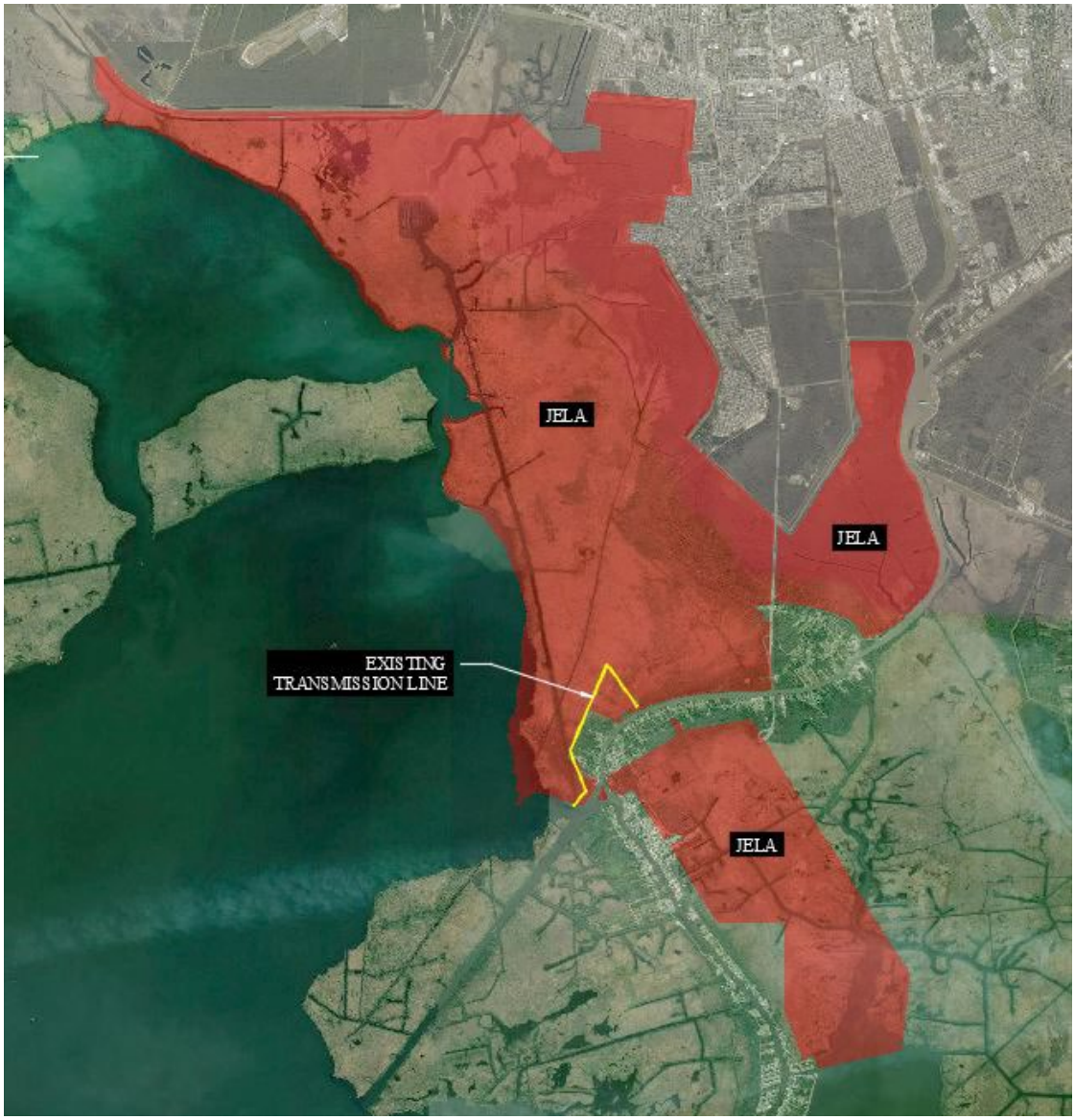
These electrical transmission structures are part of the larger Golden Meadow-Barataria transmission line. New structures would be installed in the same general locations as the existing ones within the ROW. Conventional construction methods would be utilized for installation of new structures and tracked amphibious marsh equipment would be required to travel to each structure. Helicopters would be used for material transfer to minimize the number of ground-based equipment passes. Twenty-seven (27) monopole structures would have base plated vibratory caisson foundations which would require no additional excavation and occupy a small surface area in comparison to the current structures located within the ROW. One (1) Pyramax structure would be replaced within the footprints of the existing concrete pads situated at the Bayou Segnette

Waterway crossing. More information is disclosed in the Environmental Assessment (EA).

1.4 PROJECT AREA DESCRIPTION

The project area is situated on the west bank of the Mississippi River in Jefferson Parish in Marrero near New Orleans, Louisiana. The area is part of the Barataria Basin which is bound to the west by the Bayou Lafourche ridge, the Mississippi River to the north and east, and the Gulf of Mexico to the south. Tidal waters can be carried into the project area through Bayou Barataria, Lakes Salvador and Cataouatche, and Bayou Segnette. Freshwater is introduced into the project area from the Mississippi River via the Harvey and Algiers Locks and the Davis Pond Freshwater Diversion Canal, direct rainfall, and pumpage from leveed areas. Figure 1 shows the project corridor within the JELA boundaries.

Figure 1. Overview Map of Project Corridor within JELA Boundaries



The Preserve houses numerous facilities including the Barataria Visitor Center, the Environmental Education Center, and numerous hiking trails. Despite its proximity to a metropolitan area, the Preserve exhibits exceptional examples of natural and cultural resources reflective of the Mississippi River Delta. The Preserve's location also makes it vulnerable to natural and man-made forces, and the intensity of natural events is strengthened by previous man-made actions.

The proposed project involves demolishing/rebuilding 2.63 miles of the existing Golden Meadow-Barataria 115kV line beginning at structure 287 situated within the JELA just west of Bayou Segnette and terminating at the Barataria Substation. The line would be constructed immediately adjacent to the existing line within the existing ROW. The width of the ROW for the majority of the route is 100 feet and all work would be conducted within that space. The ROW increases to 175 feet along the corridor over a distance of +/-0.67 miles north of the Barataria Substation. Access to the workspaces would be accomplished entirely within the boundaries of the existing 100-175 ft. ROW. The impacted area along the entire 2.63 miles corridor occupies a total of approximately 13.86 acres of protected wetland areas. Figures 2 and 3 depict structure locations within the JELA.

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Figure 2. Project Corridor through the JELA (Structures 287-297)

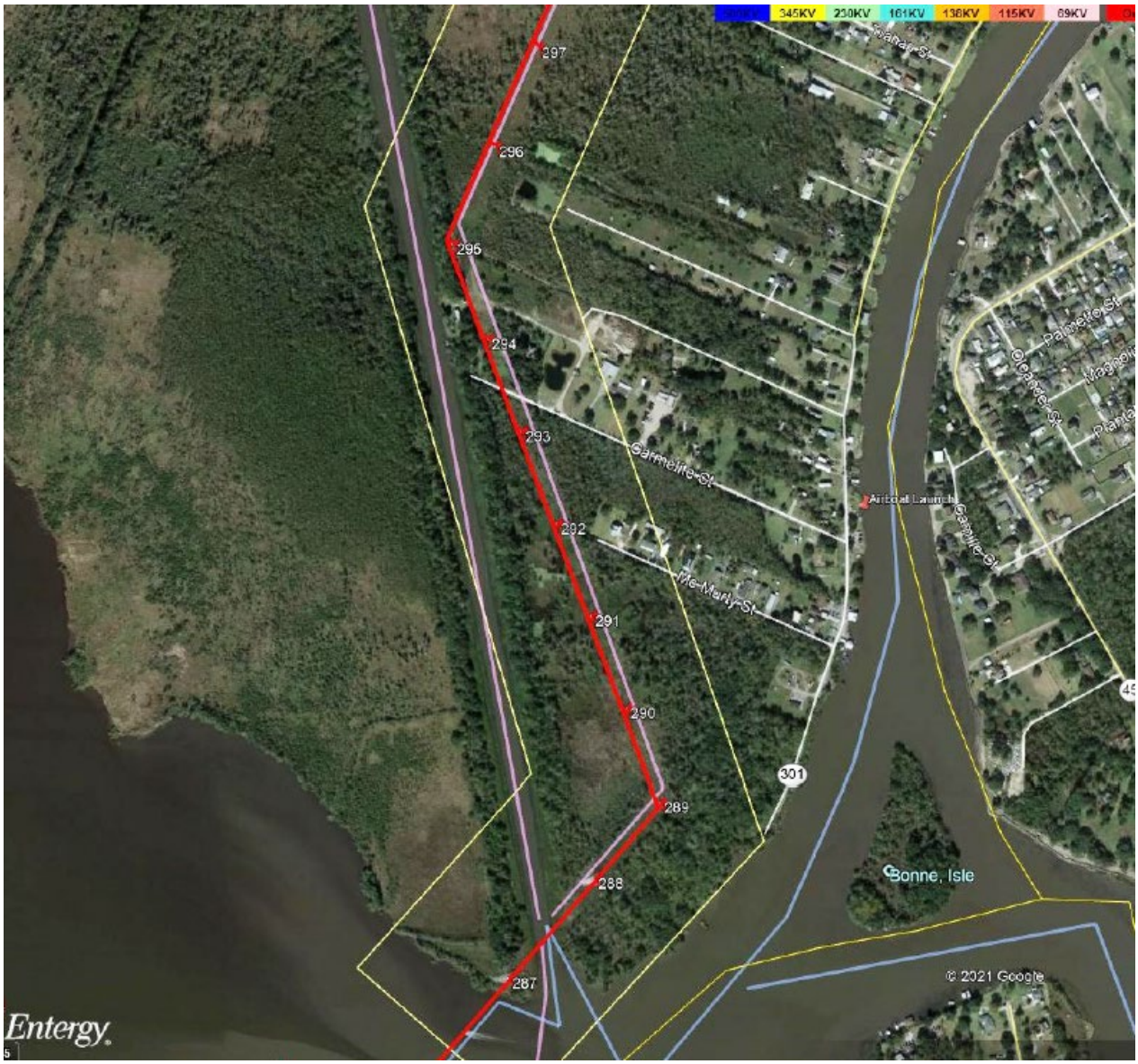
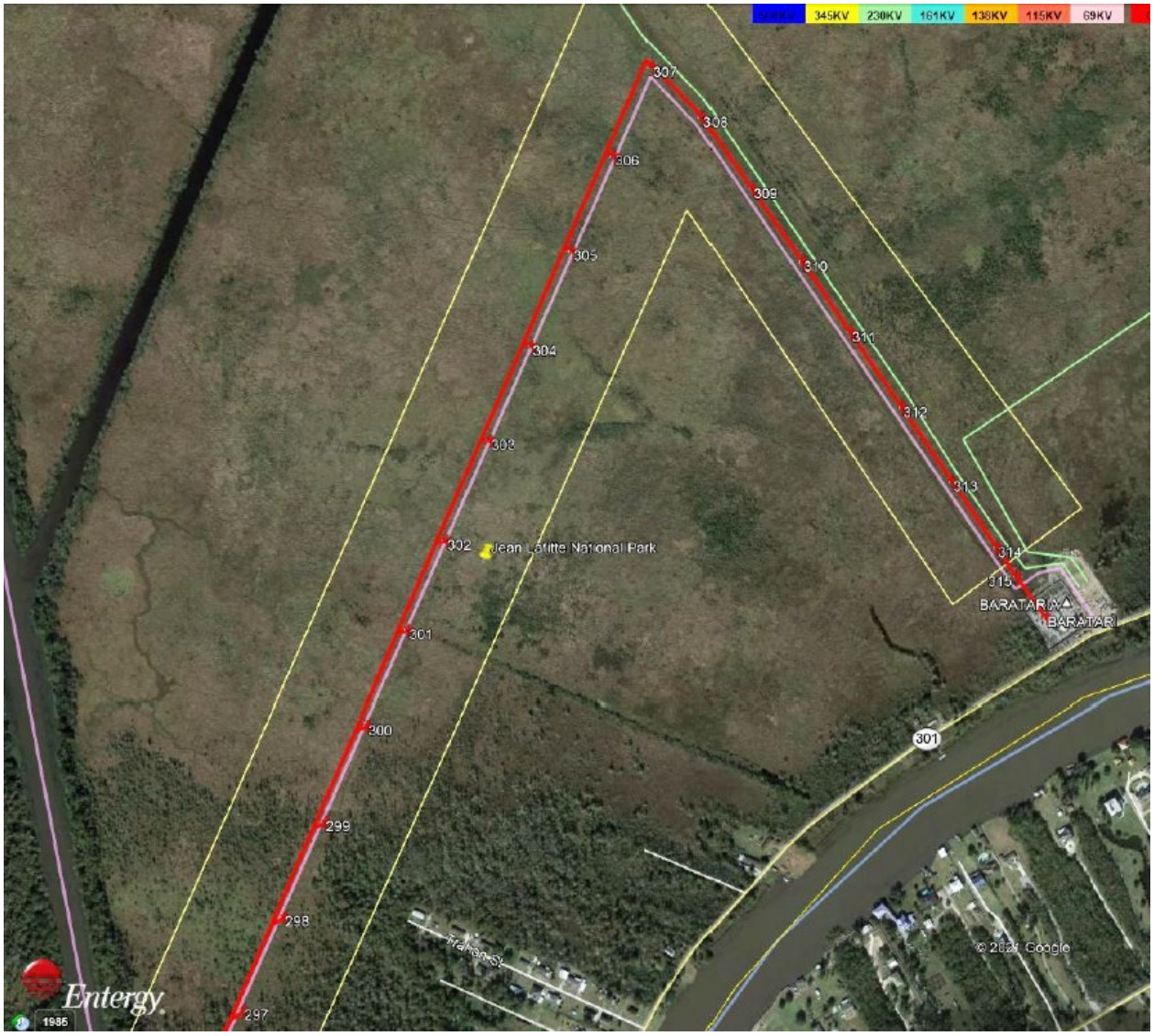


Figure 3. Project Corridor through the JELA (Structures 298-315)



1.5 ALTERNATIVES CONSIDERED

No Action Alternative (A)

Under this alternative, the NPS would not provide a special use permit (SUP) to allow Entergy to demolish and rebuild the existing 2.63 miles of the Golden Meadow-Barataria 115kV T-Line through JELA. The No Action Alternative would not eliminate the potential hazards that result from the presence of damaged structures within the Preserve. The No Action Alternative would also not re-establish one of the primary pathways of power to the electrical transmission system and provide increased transmission grid reliability and future load serving capabilities for the Golden Meadow-Barataria line. Due to the condition of the line following recent storm events, no continual maintenance activities would be required under the No Action Alternative resulting in abandonment in place of the existing 2.63 miles of the Golden Meadow-Barataria 115kV T-Line through JELA.

Action Alternative (B)

Under Action Alternative B, the NPS would issue Entergy a SUP with conditions to demolish and rebuild approximately 2.63 miles of the Golden Meadow-Barataria 115kV line within the existing ROW which ranges from 100 feet to 175 feet in width inside the JELA Preserve.

The initial construction phase would involve removal of all wires and exposed portions of the structures. The below-grade portions of the structures (foundation pilings and guy wire anchors) would also be removed; however, if reasonably non-invasive construction methods are unsuccessful in removing these foundation pilings or guy wire anchors, then the foundation pilings would either be cut off or driven down to 3 feet below grade and the guy anchors would be cut off 3 feet below grade. Monopole structures would be dismantled and transported to nearby barges with marsh equipment. The two (2) existing lattice structures (287 & 288) would be removed using a combination of explosives and ground-based equipment. A blasting contractor would first weaken each structure by cutting notches near the bases of the four (4) steel legs. Two (2) of the legs would then be wrapped in shaped explosive charges. Charges would be simultaneously triggered, and the two legs of the structure with the charges would sever, forcing that side of the structure upward. The two (2) opposite legs would hinge at the notches, allowing the tower to rotate over and drop towards within the existing ROW. Once these structures would be safely lowered to ground level, hydraulic sheers would be utilized to dismantle the tower before being hauled to nearby barges using marsh equipment. Open water access routes would be utilized to the maximum extent practical by marsh buggies and/or marsh cranes. Tugs and barges would utilize deep water areas (Bayou Segnette) to stage equipment and demolition barges would be utilized in two ways: using barge-mounted cranes to remove the steel lattice structures that are in or near (and are accessible via) navigable waters, and to stage debris. Airboat-mounted equipment would be utilized where practical. Action Alternative B would eliminate the potential hazards that result from the presence of damaged structures within the Preserve.

In the second phase of construction, twenty-seven (27) new single-pole (monopole) structures that meet 230kV specifications and are rated for 150 mile per hour (mph) winds would be installed in close proximity to existing structure locations. This would eliminate the need for guy wires and reduce the overall footprint of the line and its supports. Helicopters would be used to spot new pole structures near locations of installation in lieu of utilizing ground-based equipment. The new structures would be installed on baseplated vibratory caisson foundations which would result in a small surface area impact with no additional excavation or fill required. Each new structure would have a small surface impact of +/- 0.0006 acres (6-foot diameter), and the vibratory caisson foundations would be installed to a depth of approximately 36 feet below ground surface (bgs).

The baseplated pole would be bolted directly onto the caisson once it is vibrated in place. The proposed self-supported monopole structures would extend vertically approximately 85 feet above the ground. Two (2) larger Pyramax structures would be installed in lieu of lattice structures on the West and East banks of Bayou Segnette on Jones Point and would extend vertically approximately 250 feet above the ground. Each new Pyramax structure would be installed on four (4) baseplated vibratory caisson foundations which would result in a small surface area impact with no excavation or fill required. Each new structure would have a total surface impact of +/- 0.004 acres (each caisson having a 7-foot diameter) and the vibratory caisson foundations would be installed to a depth of approximately 74 feet below ground surface? bgs.

The lattice structure located on Jones Point (Structure 287) is situated within the boundaries of archaeological site 16JE80 and this alternative includes placing the new Pyramax structure on four (4) vibratory caissons located directly adjacent to the foundation pillars currently in place under Structure 287. Entergy also proposes to leave the current foundation pillars associated with Structure 287 in place within archeological site 16JE80.

Structure installation and wire stringing would also result in ground disturbance caused by equipment access. Where access routes traverse vegetated wetlands, marsh buggy/tracked equipment would attempt to achieve ingress and egress by remaining within the footprint of one equipment width track throughout the duration of the project. No laydown or equipment fuel storage areas located within the boundaries of JELA are being proposed for Action Alternative B.

New structures being proposed in this Alternative would re-establish one of the primary pathways of power to the electrical transmission system and would provide increased transmission grid reliability and future load serving capabilities for the Golden Meadow-Barataria line.

Action Alternative (C) (Preferred Alternative)

Action Alternative C is nearly identical to Action Alternative B with the following exceptions: twenty-seven (27) new single-pole (monopole) structures and one (1) new Pyramax structure would be installed, and Structure 287 would be relocated from its current location on Jones Point into open water to the southwest. The foundation pillars associated with Structure 287 (currently situated within the boundaries of archaeological site 16JE80) would remain in place to ensure that no additional ground disturbance would occur within archeological site 16JE80. In order to offset potential impacts to archeological site 16JE80 by driving new caissons into this area, Entergy proposes to relocate the new structure to the southwest and out into open water just off Jones Point. This would remove the structure from the boundaries of the archeological site and JELA. All other actions would remain the same as Action Alternative B.

1.6 FLOODPLAINS IN THE PROJECT AREA

The digital Flood Insurance Rate Map (FIRM) database for Jefferson Parish was reviewed for the project area. The project area falls within the boundaries of FIRM 22051C0245F and 22051C0300F. According to the digital FIRM, the project area is entirely within “Zone AE” which falls within the 100-year floodplain (1% annual flood chance). The base flood elevation established for this area is +7 feet. The area often washes over during large hurricane events and experiences frequent and extensive flooding during other storm events

The proposed action is a replacement of existing infrastructure with more resilient structures and materials. The proposed action reduces the footprint on the floodplain and therefore represents an improvement to floodplain resources and values over the long term. No changes to the

hydrology or overall function of the floodplain would occur as a result of the proposed project.

2.0 WETLANDS DELINEATION

For regulatory purposes under the Clean Water Act (CWA), the term wetlands refers to "those areas that are inundated or saturated by surface or groundwater at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions." Wetlands include areas inundated or saturated by surface or groundwater for a sufficient length of time during the growing season to develop and support characteristic soils and vegetation. The NPS classifies wetlands based on the United States Fish and Wildlife Service (USFWS) Classification of Wetlands and Deepwater Habitats of the United States, or the Cowardin classification system. Based on this classification system, a wetland must have one or more of the following attributes (NPS 2005):

- The habitat at least periodically supports predominantly hydrophytic vegetation (wetland vegetation);
- The substrate is predominantly undrained hydric soil; or
- The substrate is non-soil and saturated with water or covered by shallow water at some time during the growing season.

2.1 WETLANDS IN THE PROJECT AREA (AFFECTED ENVIRONMENT)

After discussions with JELA, review of existing soil surveys, site habitat visits, vegetation identification, National Wetland Inventory Map (NWI) review, and aerial photography, it was determined that the project area in the park is both freshwater forested/shrub wetlands and estuarine and marine wetlands habitat. This determination was field verified by professional wetland specialist/delineator Kodi Babin (T. Baker Smith, LLC).

2.1.1 Habitat

According to the NWI Mapper, the majority of the project area located in the JELA is considered to be estuarine and marine wetlands (E2EM) with portions of freshwater forested/shrub wetlands (PFO). Figure 4 depicts wetlands located in the project area.

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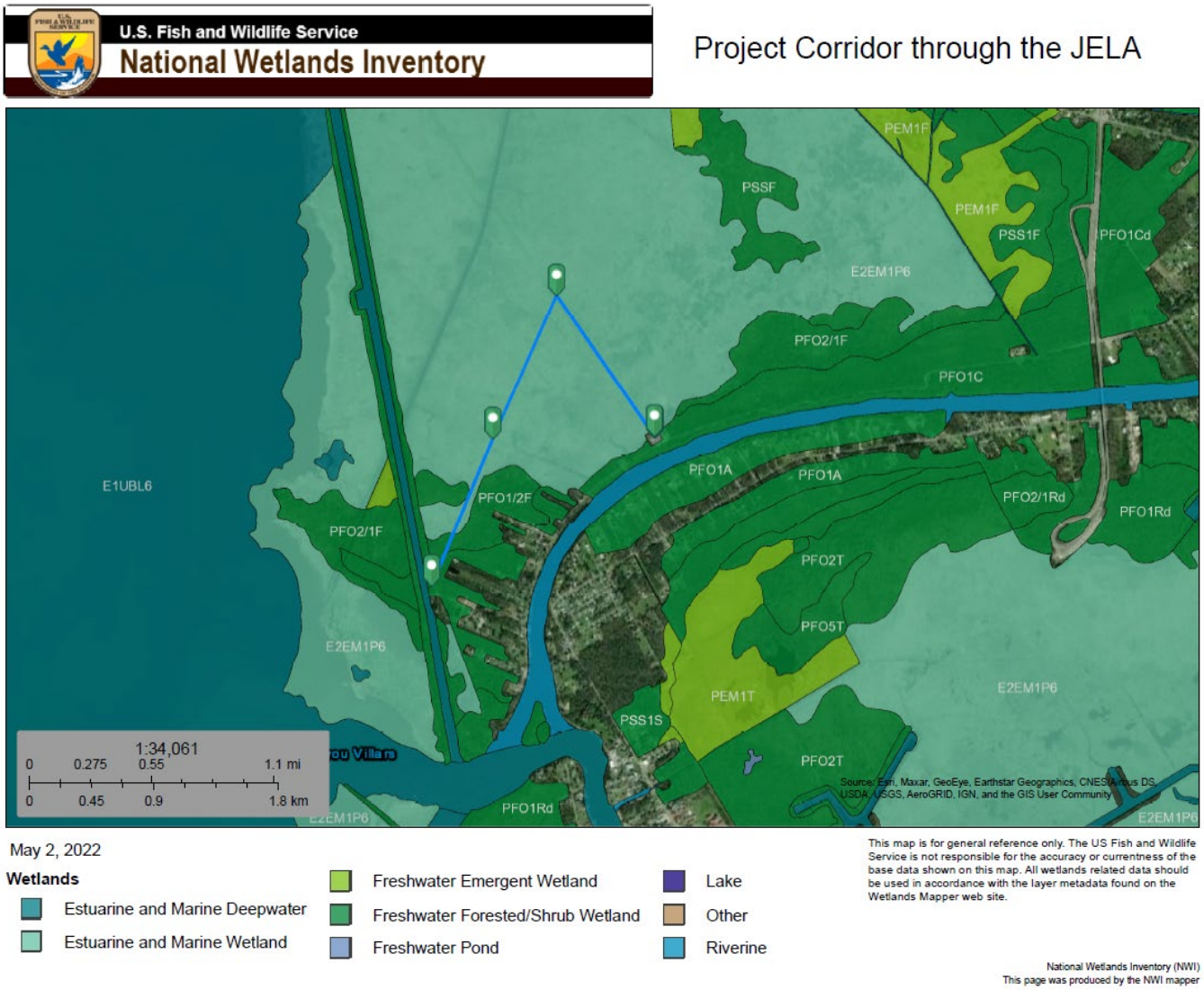
Figure 4. National Wetlands Inventory Map of Project Corridor through the JELA



The NWI Mapper shows the following wetland types within the project area; however, it is important to note that NWI wetland maps may not accurately reflect current conditions. In this instance, field verification of wetland types by TBS professionals indicates that the majority of the wetland portions of the project area are freshwater forested/shrub wetland areas.

Palustrine Forested Wetlands: Approximately 2.13 acres of impacts to palustrine forested wetlands are anticipated.

NWI Listed Palustrine Classifications:

-**PFO1**: The PFO1 classification describes the system, class, and subclass for all four (4) of the wetland palustrine wetland types listed below. The Palustrine System includes all nontidal wetlands dominated by trees, shrubs, persistent emergent plants, emergent mosses or lichens, and all such wetlands that occur in tidal areas where salinity due to ocean-derived salts is below

0.5 ppt. It also includes wetlands lacking such vegetation, but with all of the following four characteristics: (1) area less than 8 ha (20 acres); (2) active wave-formed or bedrock shoreline features lacking; (3) water depth in the deepest part of basin less than 2.5 m (8.2 ft) at low water; and (4) salinity due to ocean-derived salts less than 0.5 ppt.

The Forested Class is characterized by woody vegetation that is 6 meters tall or taller.

The Broad-Leaved Deciduous Subclass is comprised of woody angiosperms (trees or shrubs) with relatively wide, flat leaves that are shed during the cold or dry season; e.g., black ash (*Fraxinus nigra*).

-PFO1/2F: The Needle-Leaved Deciduous Split Subclass consists of wetlands where trees or shrubs are predominantly deciduous and needle-leaved and is represented by young or stunted trees such as tamarack or bald cypress.

This wetland's Water Regime is Semi-Permanently Flooded. Surface water in these wetlands persist throughout the growing season in most years. When surface water is absent, the water table is usually at or very near the land surface.

-PFO1Cs: This wetland's Water Regime is Seasonally Flooded. Surface water is present for extended periods especially early in the growing season but is absent by the end of the growing season in most years. The water table after flooding ceases is variable, extending from saturated to the surface to a water table well below the ground surface.

This wetland contains a Special Modifier designation for Spoil. The Spoil Modifier is used to describe wetlands where deposition of spoil material forms the primary substrate type. By definition, spoil is material that has been excavated and emplaced by humans. Ancillary data may be needed to identify spoil in areas such as reclaimed strip mines that have become vegetated.

-PFO1C: This wetland's Water Regime Seasonally Flooded. Surface water is present for extended periods especially early in the growing season but is absent by the end of the growing season in most years. The water table after flooding ceases is variable, extending from saturated to the surface to a water table well below the ground surface.

-PFO1S: This wetland's Water Regime Temporary Flooded-Tidal. Tidal fresh surface water is present for brief periods (from a few days to a few weeks) during the growing season, but the water table usually lies well below the ground surface for most of the season. This Modifier is used for Palustrine habitats.

Estuarine Intertidal Emergent Wetlands: The impacts to estuarine wetlands will be approximately 11.12 acres.

NWI Listed Estuarine Classifications:

-E2EM1P6: The Estuarine System consists of deep-water tidal habitats and adjacent tidal wetlands that are usually semi enclosed by land but have open, partly obstructed, or sporadic access to the open ocean, and in which ocean water is at least occasionally diluted by freshwater runoff from the land. The salinity may be periodically increased above that of the open ocean by evaporation. Along some low-energy coastlines, there is appreciable dilution of sea water. Offshore areas with typical estuarine plants and animals, such as red mangroves (*Rhizophora mangle*) and eastern oysters (*Crassostrea virginica*), are also included in the Estuarine System.

The substrate in these Intertidal subsystem habitats is flooded and exposed by tides and includes the associated splash zone.

The Emergent class is characterized by erect, rooted, herbaceous hydrophytes, excluding mosses and lichens. This vegetation is present for most of the growing season in most years. These wetlands are usually dominated by perennial plants.

The Persistent subclass is dominated by species that normally remain standing at least until the beginning of the next growing season. This subclass is found only in the Estuarine and Palustrine systems.

This wetland's Water Regime is Irregularly Flooded. Tides flood the substrate less often than daily.

The Coastal salinity is 0.5-5 ppt in wetlands with Oligohaline water chemistry.

Open Water: The extent of impacts to open water within the project area is expected to be approximately 0.17 acres.

Vegetation

The dominant vegetation located in the project area is described in Table 1 below. This determination was field verified by professional wetland specialist/delineator Kodi Babin (T. Baker Smith, LLC).

Marsh: Freshwater marshes occur throughout the survey area. They are dominated by emergent broad-leaved sedges and grasses and are inundated approximately 150 to 200 days per year. Species composition of freshwater marshes varies considerably but typically includes Three-square Bullrush (*Schoenoplectus americanus*) and bulltongue arrowhead (*Sagittaria lancifolia* subsp. media). Three-square bullrush and bulltongue are dominant components of many of the freshwater marsh systems within the Preserve. Other common fresh marsh species include floating marsh pennywort (*Hydrocotyle ranunculoides*), spike rush (*Eleocharis spp.*), saltmarsh morning glory (*Ipomoea sagittata*), broadleaf arrowhead (*Sagittaria latifolia*), cattail (*Typha spp.*), alligatorweed (*Alternanthera philoxeroides*), smooth beggartick (*Bidens laevis*), southern annual saltmarsh aster (*Symphyotrichum subulatum var. ligulatum*), and southern amaranth (*Amaranthus australis*) (Urbatsch, Ferguson, and Gunn-Zumo 2007). Scrub/Shrub communities in the survey area include Wax Myrtle *(Myrica cerifera)*, Baccharis *(Baccharis halimifolia)*, Coffee bean *(Sesbania macrocarpa)*, Rattle box *(Sesbania drummondii)*.

Water: Submerged and floating aquatic vascular vegetation can be found in bayous, canals, open water ponds, shallow depressions, and in shallow waters along the existing transmission line ROW. This community type is especially common within the slow-flowing water of canals and larger openings among the flotant marsh within the Preserve. Dominant submerged aquatic species include coontail (*Ceratophyllum demersum*), wild celery (*Vallisneria americana*), southern naiad (*Najas guadalupensis*), and pondweed (*Potamogeton spp.*). Dominant floating species include water hyacinth (*Eichornia crassipes*), duckweed (*Lemna minor*), floating pennywort (*Hydrocotyle ranunculoides*), alligatorweed (*Alternanthera philoxeroides*), and common salvinia (*Salvinia molesta*).

The following habitats and species classes are dominant within the Golden Meadow-Barataria powerline corridor as delineated by the NPS Vegetation Mapping Inventory Program/Jean Lafitte

National Historical Park and Preserve Vegetation Mapping Project (March 2017): bulltongue arrowhead (HASM), wax-myrtle shrub (SWMM), common cattail (HCFM), common reed - sawgrass marsh (HRSM), bulrush - ppikerush marsh (HBSM), and cordgrass marsh (HSCM).

Descriptions per National Park Service Vegetation Mapping (2017):

HASM- Arrowhead - Spikerush - Maidencane Marsh, *Panicum hemitomon* Marsh (CEGL004665) *Eleocharis rostellata - Sagittaria lancifolia* Oligohaline Tidal Marsh, (CEGL007886) *Sagittaria lancifolia* Mississippi River Deltaic Plain Tidal Marsh (CEGL007889).

SWMM - Wax-myrtle Shrub Marsh, *Morella cerifera* / *Typha domingensis - Sagittaria lancifolia - Eleocharis spp.* Tidal Marsh (CEGL007241), *Morella cerifera - Panicum hemitomon* Floating Marsh (CEGL007834).

HCFM - Southern Cattail - American Cupscale - Bull-tongue Arrowhead Louisiana Freshwater Marsh, *Typha domingensis - Sacciolepis striata - Sagittaria lancifolia* Marsh (CEGL007235).

HRSM- Common Reed - Sawgrass Marsh, *Phragmites australis ssp. berlandieri* - (*Sagittaria platyphylla, Vigna luteola*) Tidal Marsh (CEGL007891), *Cladium mariscus ssp. jamaicense* Tidal Salt Marsh (CEGL004178).

HBSM- - Bulrush - Spikerush Marsh *Bacopa monnieri - Eleocharis spp.* Thin Floating Marsh, (CEGL007081) *Schoenoplectus americanus - (Spartina patens) - Typha spp.* Salt Marsh (CEGL008476).HSCM- Mississippi River Deltaic Plain Saltmeadow Cordgrass - Cowpea Intermediate Marsh, *Spartina patens - Vigna luteola* Mississippi River Deltaic Plain Tidal Marsh (CEGL007888)

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Table 1: Vegetation Located in the Project Area (updated 5.23.2022)

Land Cover Category	Dominant Vegetation
Marsh (Semi buoyant Freshwater Wetlands)	Three-square bulrush (*Schoenoplectus americanus)* Bulltongue arrowhead (*Sagittaria lancifolia* subsp. media) Floating marsh pennywort (*Hydrocotyle ranunculoides*) Spike rush (*Eleocharis spp.*) Saltmarsh morning glory (*Ipomoea sagittata*) Broadleaf arrowhead (*Sagittaria latifolia*) Alligatorweed (*Alternanthera philoxeroides*) Smooth beggartick (*Bidens laevis*) Southern annual saltmarsh aster (*Symphyotrichum subulatum var. ligulatum*) Southern amaranth (*Amaranthus australis*) Giant cutgrass *(Zizaniopsis miliacea)* Delta Duck Potato *(Sagataria platyphylla)* Common cattail *(Typha latifolia)* Narrow leaf cattail *(Typha angustifolia)* Water hemp *(Amaranthus australis)* Maiden cane *(Panicum hemitomon)* Sugarcane plumegrass *(Erianthus giganteus)* Bushy Bluestem *(Andrpogon glomeratus)* Climbing hempweed *(Mikania scandens)* Baccharis *(Baccharis halimifolia)* Deer pea *(Vigna luteola)* Wax myrtle *(Morella cerifera)* Coffee bean *(Sesbania macrocarpa)* Rattle box (Sesbania drummondii) Black willow (*Salix nigra*) Bulrush (*Scirpus californicus*) Swamp Dock (*Rumex verticillatus*) Smartweed (*Polygonum pensylvanicum*) Marsh Mallow (*Kosteletzkya virginica*) Butterweed (*Packera glabella*) Dwarf Palmetto (*Sabal minor*) Red Maple (*Acer rubrum*) Green Ash (*Fraxinus pennsylvanica*) Dogwood (*Cornus drummondii*)

Land Cover Category	Dominant Vegetation
Water (Submerged/ Floating Vascular Vegetation)	Water hyacinth (*Eichornia crassipes)* Duckweed (*Lemna minor)* Floating pennywort (*Hydrocotyle ranunculoides)* Alligatorweed (*Alternanthera philoxeroides)* Common salvinia (*Salvinia molesta)* Water primrose *(Ludwigia peploides)*

Hydrology

Factors affecting the Preserve's wetlands include sea level rise, subsidence, shoreline erosion, and climate extremes. The health of the floating marsh is highly dependent on the ability of plants to produce belowground roots that hold the marsh mat together. Because these plants have limited tolerance for prolonged exposure to salt, Gulf waters must be kept at bay in order to maintain the integrity of this system.

The project area is situated on the west bank of the Mississippi River in Jefferson Parish near New Orleans, Louisiana, between approximate Mississippi River miles 105 and 114, above Head of Passes. The area is part of the Barataria Basin which is bound to the west by the Bayou Lafourche ridge, the Mississippi River to the north and east, and the Gulf of Mexico to the south. Tidal waters can be carried into the project area through Bayou Barataria, Lakes Salvador and Cataouatche, and Bayou Segnette. Freshwater is introduced into the study area from the Mississippi River via the Harvey and Algiers Locks and the Davis Pond Freshwater Diversion Canal, direct rainfall, and pumpage from leveed areas.

Geology

The preserve is located in the Gulf Coastal Plains physiographic province and is characterized by off-lapping, coastward thickening wedges of fluvial, deltaic, and marine sediments. The Gulf Coastal Plains is divided into the Coastal Lowlands and the Jackson/Vicksburg Groups. The preserve is located in the Coastal Lowlands aquifer system that consists of alternating/discontinuous beds of sand, gravel, silt, and clay that thicken and dip southward towards the Gulf of Mexico.

Soils

According to the Soil Conservation Service Web Soil Survey of the project area, five (5) soil types occur within the survey area. Table 4 lists the soil types and the associated soil descriptions follow.

Table 4: Soil types located within survey area

Soil Types
Kenner muck (KE)
Barbary (BB)
Allemands muck (AR)
Lafitte-Clovelly (LA)
Schriever clay (Sk)

The project area is located in the Gulf Coast Coastal Plain physiographic province. It lies along the northern side of the Gulf Coast geosyncline and across the axis of Mississippi structural trough. The area is characterized by off-lapping, coastward thickening wedges of fluvial, deltaic, and marine sediments.

The soils on site are classified as Kenner muck (KE), Barbary muck (BB), Allemands muck (AR), Lafitte-Clovelly Association (LA), and Schriever clay (Sk).

Kenner muck typically has a saturated hydraulic conductivity (Ksat) of 0.00 - 0.06 inches per hour

(in/hr), which is low to moderately low. The Ksat refers to the ease with which pores in a saturated soil transmit water and are expressed in terms of inches per hour. The hydrologic group for Kenner muck is Class D, with very slow infiltration rates. The drainage class is very poorly drained. Depth to water table for portions of property containing the Kenner muck is about 0 inches bgs.

Allemands muck typically has a Ksat of 0.03 - 0.06 in/hr, which is moderately low. The hydrologic group for Allemands muck is Class A/D, high to slow infiltration rates. The drainage class is very poorly drained. Depth to water table for portions of property containing the Allemands muck is about 0 inches bgs.

Barbary muck typically has a Ksat of 0.01 - 0.06 in/hr, which is moderately low. The hydrologic group for Barbary muck is Class D, with very slow infiltration rates. The drainage class is very poorly drained. Depth to water table for portions of property containing the Barbary muck is 0 inches bgs.

Lafitte-Clovelly Association typically has a Ksat of 0.20 - 0.28 in/hr, which is moderately low. The hydrologic group for Lafitte-Clovelly Association is Class A/D, with high to slow infiltration rates. The drainage class is very poorly drained. Depth to water table for portions of property containing the Lafitte-Clovelly Association is about 0 inches bgs.

Schriever clay typically has a Ksat of 0.00 - 0.06 in/hr, which is very low to moderately low. The hydrologic group for Schriever clay is Class D, with very slow infiltration rates. The drainage class is poorly drained. Depth to water table for portions of property containing the Schriever clay is 0 inches bgs.

2.2 Wetland Functions and Values

A modified Wetland Evaluation Technique (WET) method was used to assess functional criteria. Under this method, eleven (11) functions and values are assessed. These criteria include groundwater re-charge or discharge potential, flood flow alteration, sediment stabilization, sediment/toxicant retention, nutrient removal/transformation, production export, wildlife habitat assessment, plant habitat assessment; aquatic habitat assessment, recreation, and uniqueness/heritage values (Adamus et al. 1987, Adamus et al. 1991, USACE 2001). To evaluate functional value using the WET method, not all criteria need to be used (USACE 2001).

In order to assess functional value of the wetlands more effectively and efficiently in the limits of project activity in JELA, the wetlands were evaluated according to their Cowardin classification. The two classifications used are depicted in Table 5.

For the purposes of the wetland assessment performed on wetlands in the JELA, some of the criteria considered in the WET method were grouped into larger categories to assess functional values. For instance, wildlife habitat assessment, plant habitat assessment, and aquatic habitat assessment criteria were grouped into a “natural communities’ functional values” category based on the quality of habitat provided. Similarly, groundwater recharge potential, groundwater discharge, sediment stabilization, sediment/toxicant retention potential, and nutrient removal/transformation potential were grouped into a “water quality/hydrological functional values” category. The qualitative functional assessment of the wetlands identified in this report is provided in Table 6 and Table 7.

For the natural communities’ functional values category, the functions were rated as “high” if the wetland supported diverse habitats with high vegetation diversity and could support foraging or

reproductive habitat. A “medium” rating was applied for wetlands with more than one habitat with some vegetation diversity, and a “low” was applied to wetlands with a monotypic vegetation stand and low habitat diversity.

For the water quality/hydrological functional values category, a “high rating” was applied when the wetland appeared to have undisturbed hydrological functions and supported features that are associated with maintaining or enhancing water quality and bank stabilization functions. A “medium” rating was applied when the functions appeared to be altered, and a “low” rating was applied when the functions were absent or highly degraded.

Wetlands serve a wide range of ecological functions. They are valuable as holding areas for rising floodwaters. Wetland vegetation reduces floodwater velocity and depletes its destructive energy, thereby protecting mainland and upland areas. Wetland vegetation also forms buffers against erosion by absorbing current and storm energy, stabilizing substrates, and trapping sediments. Filtration of sediments, nutrients, pollutants, and toxic substances has the added advantage of improving water quality. Wetland functions are ecosystem properties that are present without regard to any subjective human values. They are considered to be the result of the biologic, geologic, hydrologic, biogeochemical and/or physical processes that take place within a wetland. Wetland values are considered to be the perceived benefits to society that can be derived from the ecosystem functions and/or other characteristics of a wetland. These values may depend on considerations such as location of the wetland, accessibility, human disturbance or pressures, economics, surrounding land uses, and cultural or historic information.

2.2.1 Functions

- *Ground water recharge/discharge*—Recharge is the potential of a wetland to contribute water to an aquifer; discharge is the potential of a wetland to discharge groundwater to the surface. The wetland’s ability to help maintain stream base flow has also been included in this variable.

- *Flood attenuation/alteration*—The effectiveness of a wetland in reducing flood damage from prolonged periods of precipitation by storing and desynchronizing (i.e., gradually releasing at lower heights/velocities) floodwaters. The economic value of flood protection has also been included in this variable.

- *Aquatic (Fish/shellfish) habitat*—The effectiveness of seasonal or permanent watercourses associated with a wetland to provide habitat and the essentials necessary for life for a diverse types and abundance of populations of fish/shellfish and other aquatic organisms. The economic value of the fishery was also considered in this variable. Both resident and migratory species were considered.

- *Sediment/toxicant retention*—The effectiveness of a wetland to reduce or prevent degradation of water quality by acting as a trap for sediments or toxic substances in runoff water that could adversely affect aquatic and terrestrial life.

- *Nutrient removal*—The effectiveness of a wetland to serve as a trap for nutrients carried by runoff from surrounding uplands or contiguous wetlands, and the wetland’s ability to process these nutrients into other forms. The wetland also functions to prevent the adverse effects associated with excess nutrients entering aquifers or surface waters including streams, rivers, lakes, ponds, or estuaries.

- *Production export*—The effectiveness of a wetland to produce food or other usable products for living organisms (including humans). Detrital export to downstream systems has been included in this variable.

- *Sediment/shoreline stabilization*—The effectiveness of a wetland to stabilize streambanks against shear stresses and/or protect shorelines against erosion by reducing forces caused from waves. Other erosion and sediment control functions, such as reduction of water velocities and binding of the soil, have been included in this variable.

2.2.2 Values

- *Wildlife habitat*—The effectiveness of a wetland to provide habitat and the essentials necessary for life for diverse types and abundance of populations of wildlife species typically associated with wetlands, their associated water bodies, and the wetland edge. Both resident and migratory species were considered. Faunal productivity and endangered species have also been included in this variable.

- *Recreation (consumptive/non-consumptive) and tourism*—The suitability of a wetland and associated watercourses to provide active and/or passive recreational opportunities for both local and nonlocal populations. Consumptive use includes activities such as hunting and fishing that diminish the plants, animals, or other resources that are intrinsic to the wetland. Non-consumptive use includes activities such as hiking, birding, boating and canoeing, that do not diminish the resources of the wetland. The economic value of tourism has also been included in this variable.

- *Education/scientific value*—The suitability of a wetland to serve as an "outdoor classroom," as a "reference site" for scientific study or research on ecosystems, or for interpretation.

- *Uniqueness/heritage (cultural)*—The effectiveness of a wetland or its associated water bodies to provide certain wetland attributes or special functions and values related to aspects of public health, recreation, and habitat diversity. This may include the wetlands' overall health and appearance, its role in the overall ecology of the area, or its relative importance as a typical wetland class for the geographic location.

- *Visual quality/aesthetics*—The effectiveness of a wetland in contributing to the visual or aesthetic quality or pleasing nature of the surrounding landscape.

2.3 JUSTIFICATION FOR THE USE OF WETLANDS

The Preferred (Build) Action Alternative C is the only alternative that would both eliminate the potential hazards that result from the presence of damaged structures within the JELA and re-establish one of the primary pathways of power to the electrical transmission system and provide increased transmission grid reliability and future load serving capabilities for the Golden Meadow-Barataria line. Re-routing of the line was not considered as an alternative for this project due to the availability of an existing and previously impacted ROW. In addition, subsurface installation was not considered for this project due to the cost, timeframe, and additional impacts associated with that method of construction. It has been determined that there are no practicable alternatives to disturbing approximately 13.86 acres of wetlands within the proposed project area in the existing ROW. Wetlands would be avoided to the maximum practicable extent, and any wetland impacts that cannot be avoided would be minimized. Wetlands adversely affected by the equipment access

into the project area are expected to recover their functions and values over time.

2.4 WETLANDS IMPACTS IN THE PROJECT AREA (PREFERRED ALTERNATIVE)

The construction of the proposed transmission line would result in temporary, moderate adverse impacts to approximately 13.86 acres of wetlands project-wide that includes 0.02 acres of permanent wetland impacts from new structure installation. The disturbed vegetation consists of a majority of the species listed in the Vegetation and Habitat section of this report. Impacts are largely due to equipment traffic in the existing ROW. There would be no fill material brought in for the pole replacements during the project and there would be no significant permanent loss or degradation of wetland function. The temporary adverse impacts (in the form of rutting, soil compaction, and vegetation destruction) would likely result from the movement of survey crew and construction crew equipment through the Preserve to construct the transmission line.

The area within the existing transmission line ROW was disturbed in the past due to maintenance and repair activities. The proposed action would cause additional impacts to this vegetation through equipment access.

Under the Proposed Build Action Alternative C, tracked amphibious marsh equipment and barges would be utilized in construction activities. The ROW width for the majority of the route is 100 feet wide. The ROW increases to 175 feet in width along the corridor over a distance of +/-0.63 miles north of the Barataria Substation. Workspace access would be accomplished entirely within the existing boundaries of the 100–175-foot ROW.

All construction equipment would remain within the access routes and designated ROW. Open water access routes would be utilized to the maximum extent practical by the marsh buggies and/or marsh cranes. Tugs and barges would utilize deep water areas (Bayou Segnette) to stage equipment to the maximum extent practical. Marsh buggies/tracked equipment would attempt to achieve ingress and egress by remaining within the footprint of one equipment width track throughout the duration of the project (“one pass”) when traversing vegetated wetlands. Contractors would be allowed to utilize an additional pass in the event that ingress and egress could not be achieved with “one pass” if a minimum of one buggy width is maintained between tracks. This additional impact would be documented for the purposes of quantifying compensatory mitigation upon completion of the project.

The freshwater marsh located in the ROW is expected to be recolonized and to recover rapidly based on data and observations from other projects within the Preserve. Freshwater marsh plants are anticipated to rapidly regrow in the disturbed site through natural native recruitment as most of the root and rhizome structure would remain intact. The rate of estimated marsh recovery is based on the results of similar marsh restoration projects in the area.

Transmission line construction would result in moderate adverse impacts to freshwater forested/shrub wetlands involving the majority of the species listed in Table 2 of this report. There would be no fill material brought in for pole replacements during the project. There would be no permanent loss or degradation of wetland function. Temporary adverse impacts such as rutting, soil compaction, and vegetation destruction could result from the movement of construction crew equipment through the Preserve. Some sites within the ROW would recover better than others based upon levels and frequencies of past disturbances. Ruts would be created within the area as tracked vehicles ingress and egress the ROW. These ruts may rebound to a greater or lesser degree. Marsh vehicles may become mired and create a hole within the marsh. Environmental compensation is therefore required to offset any potential net loss of wetlands and wetland

functions from this project. In addition to fixing the ruts by filling them in, the compensatory mitigation plan for wetland loss of function requires invasive species control in other park areas as a method to restore marsh functions and values within the Barataria Preserve overall.

The maximum anticipated number of temporal and permanent wetland impacts is 13.86 acres which would be the result of a 100' x 100' workspace being utilized around each structure and a 30' wide equipment track between each structure for the entire length of the ROW.

The two (2) Cowardin classifications identified within the project are depicted in Table 5.

Table 5. Cowardin Wetland Classification within the Project Boundary.

WETLAND CLASSIFICATION	AREA IN PROJECT BOUNDARY
Estuarine Intertidal Emergent (E2EM1)	4.52 acres
Palustrine Forested (PFO1)	.84 acres

The qualitative functional assessment of the functions and values shared by the wetlands located in the survey boundary is provided below in Table 6 and Table 7.

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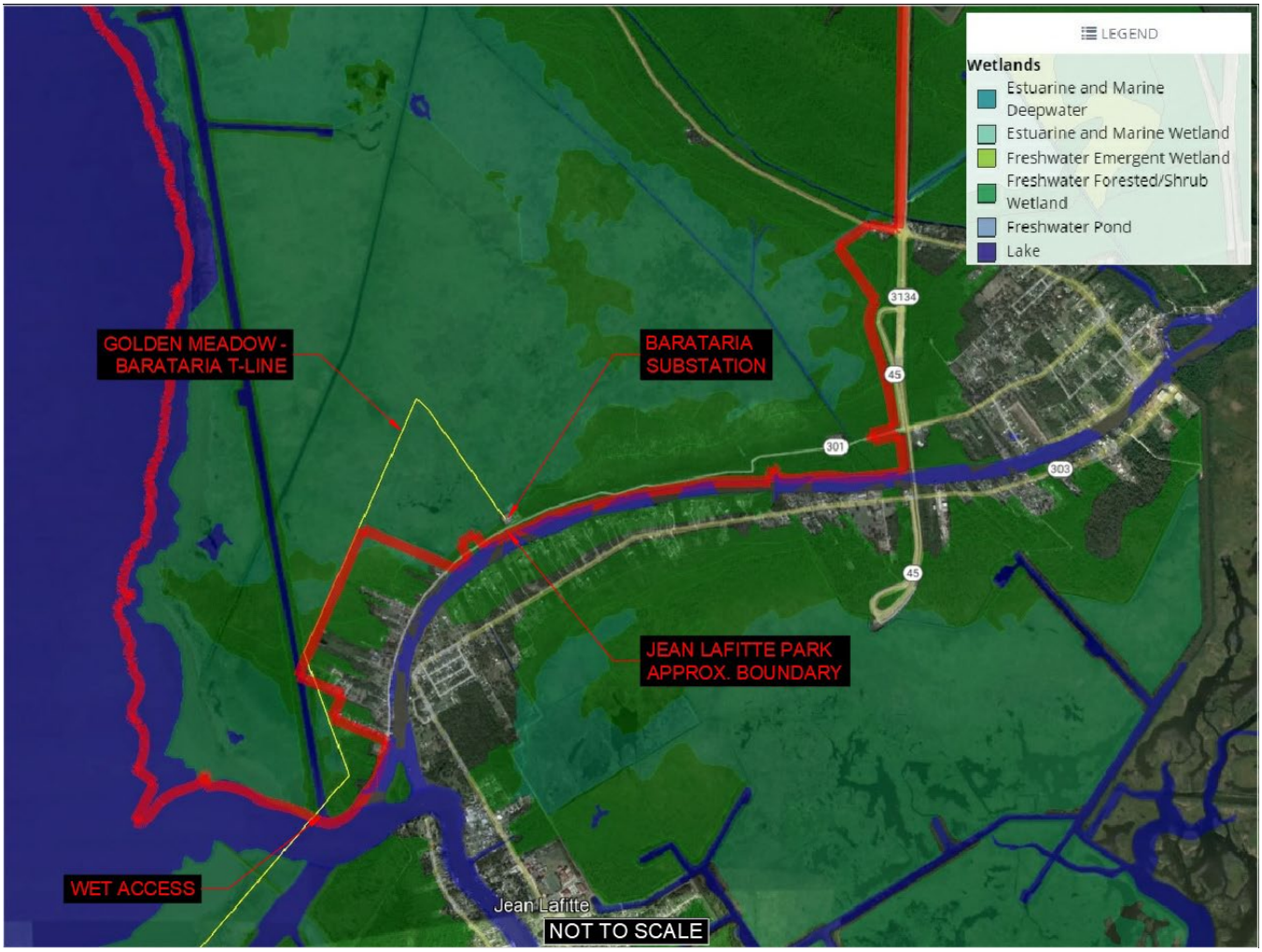
Table 6: Wetlands Functional Assessment Rating for Wetland Characteristics

Wetland lassification	Biological	Chemical	Hydrologic	Geomorpho-logical	Recreational	Cultural	Aesthetic
Estuarine Intertidal Emergent	Med	Low	Med	Med	Low	Med	Low
Palustrine Forested	Med	Low	Med	Low	Low	Med	Med

Table 7: Detailed Functional Assessment of the Biological and Hydrological Values of Affected Wetlands

Delineated Wetlands	Natural Communities Functional Values	Water Quality / Hydrological Functional Values	Rating
Estuarine Intertidal Emergent	Habitat for tidal aquatic species, American alligator, fishes, and birds. Shallow areas have emergentvegetation. Open water areas are present, less than 1 acre (Bayou Segnette)	Flood flow alteration, obstruction of storm surge, aesthetics,	Habitat functions rating: **"med"** Water quality/hydrological functions rating: **"med"** ***Overall rating: "med"***
Palustrine Forested	Average plant diversity. Moderate understory in many areas provideshabitat for small mammals and birds.	Obstruction of storm surge, minimal water storage and delay (subsurface).	Habitat functions rating: **"med"** Water quality/hydrological functions rating: **"medium"** ***Overall rating: "medium"***

Figure 5: National Wetland Inventory Mapper



The following breakdown of wetland impacts has been estimated for the proposed project:

- Total Wetland Impacts Inside JELA = +/-13.86 Acres
- Total Wetland Impacts on Federally Owned Property Inside JELA = +/-13.86 Acres
- Area of Existing ROW on Federally Owned Property Inside JELA = +/-35.8 Acres
- Area of Existing ROW not on Federally Owned Property Inside JELA = +/-1.43 Acres

Palustrine Forested Wetlands: The extent of impacts to palustrine wetlands is expected to be 2.13 acres.

Estuarine Intertidal Emergent Wetlands: The impacts to estuarine wetlands will be 11.56 acres

Open Water: The extent of impacts to open water within the project area is expected to be 0.17 acres.

2.5 Wetland Impact Avoidance and Minimization

Efforts would be taken throughout the duration of construction to minimize impacts wherever possible. The following avoidance and minimization actions would be implemented during construction to reduce adverse impacts.

2.5.1. Environmental Awareness Training - One of the primary goals of Entergy during this project would be to develop policies and procedures intended to minimize impacts to the resources within the park to the greatest extent possible. An "Environmental Awareness Training" program would be developed on the sensitive nature of the Preserve which would be developed and approved with the assistance of the JELA. The training program would be required for all personnel working on the Preserve. No personnel would be allowed on the project site without participating in the training program. Elements from the training program would be periodically reinforced as the project progresses at safety meetings and the like.

a) Ground crews would be instructed by park staff on how to avoid damaging any part or whole of wetland vegetation in the Preserve.
b) Regularly monitor to ensure non-target wetland vegetation is not damaged during activities.

2.5.2. Regulatory Permits - Entergy has applied for a Joint Coastal Use Permit for the proposed project (P20210693 / MVN 2021-01066) with the Louisiana Department of Natural Resources Office of Coastal Management (OCM) and the United States Army Corps of Engineers (USACE) for the proposed project. Both permits contain conditions whose primary purpose is to avoid, minimize, and mitigate impacts to the surface and subsurface geologic, hydrologic, and vegetative resources to the greatest extent possible. The Coastal Use Permit states that requirements for compensatory mitigation for impacts to marsh habitat would be determined after one full growing season (March 1 to November 1) following completion of the permitted activities. Note that the NPS has different compensatory mitigation requirements from the State.

2.5.3. Minimization of Potential Surface and Subsurface Geologic Impacts - Due to the project being proposed within freshwater marsh, rutting and soil compaction impacts are expected to be minimal.

Temporary effects to surface soils are expected on the northern and southern ends of the proposed project in the form of erosion of exposed soils during storm events. A Storm Water Pollution Prevention Plan (SWPPP) would be prepared in accordance with the requirements of the Louisiana Pollutant Discharge Elimination System (LPDES) Storm Water General Permit for Construction Activities 5 Acres or Greater (Permit No. LAR100000). The objective of the storm water plan is the reduction or elimination of surface water pollution through implementation of Best Management Practices (BMPs). Best management practices may include, but are not limited to, silt fencing, straw wattles, erosion control mats, maintaining established vegetation, and vehicle track pads.

Contaminants that could potentially affect surface soils include diesel, oil, and grease from heavy equipment and temporary storage tanks, which could be released during construction. Under the Proposed Build Alternative, these petroleum-based products would be utilized for the operation of construction equipment within the ROW, and no bulk storage of these products would occur within the JELA.

In the event that the above listed contaminants are released into the surface soils of the project area, traditional spill recovery equipment (boom, absorbent pads, oil skimmers) would first be utilized to recover spilled product. Volumes of contaminants released in quantities that are above what are considered *de minimis* would be reported to the appropriate regulatory agencies. Soil could potentially require excavation and disposal according to local, state, and federal regulations in the event that traditional spill recovery equipment is not effective. Confirmatory sampling could be required to verify that concentrations fall below the Risk Evaluation Corrective Action Plan (RECAP) standards established by LDEQ.

2.5.4. Minimization of Potential Hydrologic Impacts - Temporary effects to surface water could occur from equipment movement disturbing sediment laden marsh thus potentially degrading adjacent waterbodies. Increased turbidity could potentially limit necessary light penetration and nutrient transport within the water column which is necessary for plant recovery following disturbance. Oxygen levels within the water could also be depleted.

A SWPPP would be prepared for the project. The objective of the storm water plan is the reduction or elimination of surface water pollution through implementation of BMPs. BMP's may include but are not limited to silt fencing, straw wattles, erosion control mats, maintaining established vegetation, and vehicle track pads.

The OCM Coastal Use Permit is expected to indicate that water bottoms shall not be disturbed during access to the proposed work location other than that authorized and shown on the permit plats whether it be by dredging, wheel washing, prop washing, jetting, mucking, plowing, bull dozing or any other means of moving bottom material. The permit also requires powered vessels to be operated so as not to disturb the water bottom by propeller or jet action.

The USACE permit is expected to require that all activities associated with construction that could result in a discharge be at all times consistent with applicable water quality standards, effluent limitations and standards of performance.

2.5.5. Minimization of Potential Vegetation Impacts - All equipment utilized to perform construction activities would stay within the access routes and designated ROW. Where access routes traverse vegetated wetlands, marsh buggies/tracked equipment would attempt to achieve ingress and egress by remaining within the footprint of one equipment width track throughout the duration of the project ("one pass"). In the event that ingress and egress could not be achieved within the same equipment track footprint, contractors would be allowed to utilize an additional pass under the condition that a minimum of one buggy width is maintained between tracks. It is expected that native wetland vegetation would recolonize the area.

2.5.6. Additionally, BMPs would be implemented during construction to help reduce impacts to wetlands during construction. These BMPs include:

- Buffers between areas of soil disturbance and wetlands or waterways would be planned and maintained;
- Soil erosion BMPs such as sediment traps, erosion check screen filters, and hydro mulch would be used to prevent the entry of sediment into wetlands;
- Any hazardous waste that would be generated in the project area would be promptly removed and properly disposed of;
- Equipment would be inspected for leaks of oil, fuels, or hydraulic fluids before and during use to prevent soil and water contamination. Contractors would be required to implement a plan

to promptly clean up any leaks or spills from equipment, such as hydraulic fluid, oil, fuel, or antifreeze;
- Onsite fueling and maintenance would be minimized. If these activities could not be avoided, fuels and other fluids would be stored in a restricted/designated area and fueling and maintenance would be performed in designated areas that would be bermed and lined to contain spills. Provisions for the containment of spills and the removal and safe disposal of contaminated materials, including soil, would be required;
- Actions would be taken to minimize effects on site hydrology and fluvial processes, including flow, circulation, water level fluctuations, and sediment transport. Steps would be taken to avoid any rutting caused by vehicles or equipment;
- Measures would be employed to prevent or control spills of fuels, lubricants, or other contaminants from entering wetland areas. Action would be consistent with state water quality standards and CWA Section 401 certification requirements;
- Appropriate erosion and siltation controls would be maintained during construction; and
- Fill material would be properly maintained to avoid adverse impacts on aquatic environments.

2.5.7. EXOTIC VEGETATION AND NOXIOUS WEEDS

- Weed control measures (e.g., cleaning / washing of vehicles / vessels, equipment, and personal equipment before entering / re-entering the Preserve) will be implemented to help minimize the potential for the introduction and spread of nonnative species.
- The Contractor shall ensure that no equipment will be allowed to off-road or off load if dirt or other contaminants with the potential to harbor seeds are apparent. Any equipment which departs the project site must repeat a cleaning and inspection process, including formal acceptance by the Contracting Officer or their Local Designee prior to being remobilized and offloaded at the project site(s).

3.0 MITIGATION AND COMPENSATION PLAN

Environmental compensation is required to offset any potential net loss of wetlands and wetland functions from this project. The anticipated acreage of temporal wetland impacts is approximately 13.86 acres. In addition to restoration and rehabilitation activities described below, invasive species control at a 5:1 mitigation ratio is offered as the compensatory mitigation plan for temporal loss of wetland loss of function caused by the proposed action.

The Golden Meadow-Barataria construction project would result in new impacts to a ROW within the park. Potential impacts are:

1. Direct impacts from construction as measured as new open water (restoration), wet crossing spoilbank degradation, and rutting by heavy equipment (rehabilitation)
2. Temporal loss

Impacts would occur from the following actions proposed within the JELA:
- Structure removal/installation
- Ingress and egress of equipment used for demolition/installation

The mitigation actions to compensate for wetlands impacted by the proposed action activities are discussed in the below sections:

RESTORATION
- Open Water

REHABILITATION
- Wet Crossings
- Fill Equipment Ruts

COMPENSATORY MITIGATION FOR TEMPORAL LOSS

3.1 RESTORATION

3.1.1 Open Water

It is anticipated that natural processes would feed open water areas with adjacent material and would result in natural restoration. No outside fill of the project site is proposed. Pre and post-project photographic documentation in the winter season would be required.

Following the conclusion of construction and one complete growing season, post construction aerial photographs will be taken during the winter season to determine the success of open water restorations.

3.2 REHABILITATION

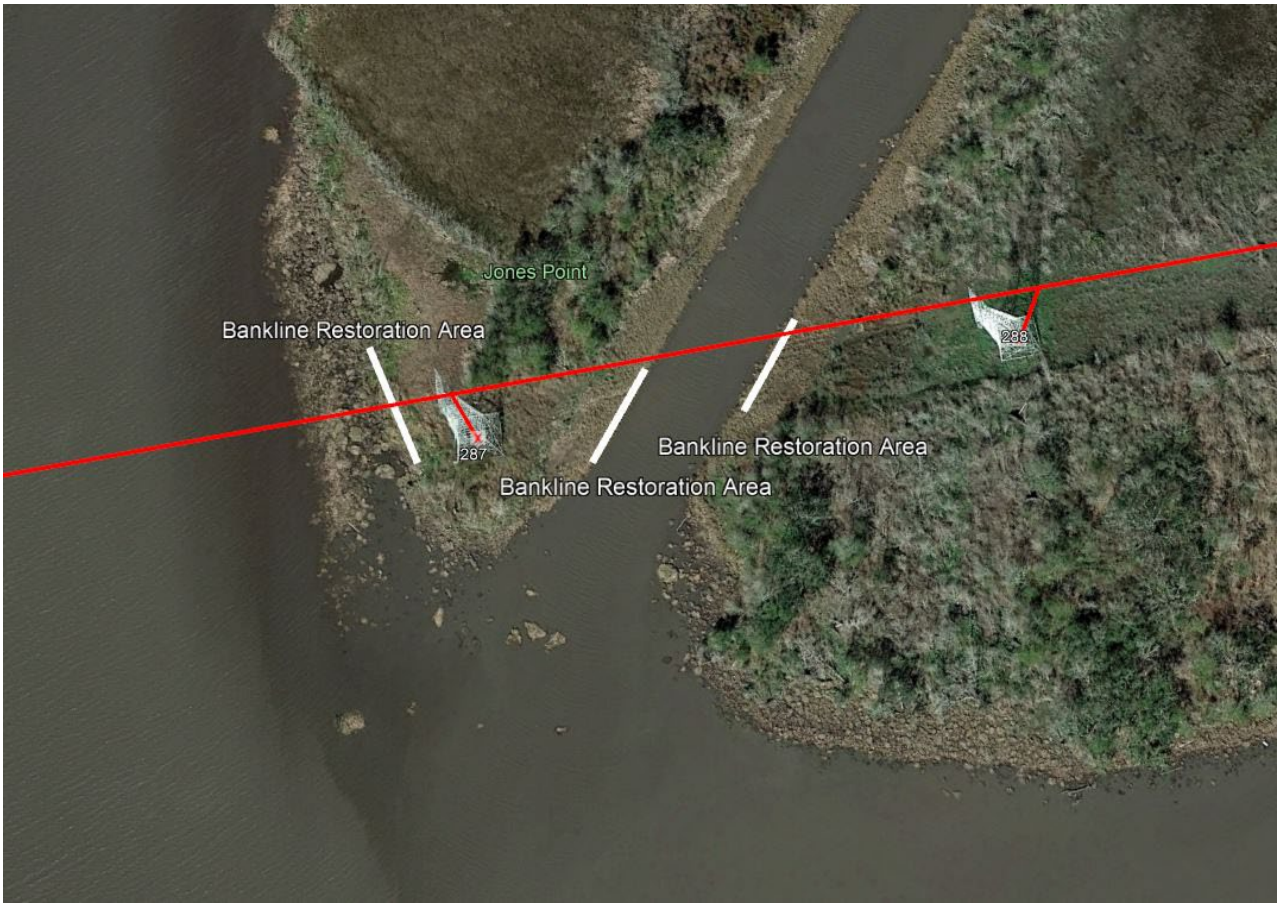
3.2.1 Wet Crossings (Rehabilitation)

Every wet crossing would require immediate bank rehabilitation upon completing the crossing.

In the event the Bayou Segnette spill bank is excavated, material will be side cast and replaced upon completion of the project.

If other wet crossings within access areas, other than those depicted in Figure 6 below, are de-vegetated or damaged, contractors would be required to install 12” minimum diameter coir logs along the bankline/canal interface in an effort to break waves, encourage sedimentation, and allow revegetation. The placement method would include two rows of coir logs side by side and one row of coir logs stacked upon the two rows which are used as the base. The coir logs would be tightly packed, and each log would be positioned so the end fits tightly against the end of the adjacent log. All three rows would be secured via intertwining strands of rope, along with 2” x 2” stakes to stabilize the exterior and interior portions of the row formation. Monitoring would be conducted, and if needed, native plantings would be done to restore the sites to pre project conditions. Pre- and post- project photographic documentation would be required and the NPS would review for approval of success.

Figure 6: Bankline Restoration Locations Near Structures 287 & 288



3.2.2 Fill Equipment Ruts (Rehabilitation)

Ruts could be created within the area as tracked vehicles ingress and egress the ROW. These ruts may rebound to a greater or lesser degree. Marsh vehicles may become mired and create a hole within the marsh. Mitigation would consist of fixing the ruts by filling them in with adjacent material immediately upon completing construction activities at the specific work site. No material would be brought in from off-site.

Natural recruitment is expected to occur, but some sites within the ROW would recover better than others based upon levels and frequencies of past disturbances. It is anticipated that desirable fresh marsh vegetation would rapidly colonize the site through natural recruitment and that no additional planting of the project site after construction would be required. However, planting of native marsh species may be required should the mitigation success criteria for native vegetation cover not be achieved through natural recruitment. Addition of geotextile fabric to damaged areas could allow marsh grass to root and return the area to emergent wetland habitat.

In the event that natural restoration/recruitment has not been observed after the growing season (March 1 to November 1), a total of four (4) additional years would also be monitored until complete restoration has been achieved.

3.3 COMPENSATORY MITIGATION FOR TEMPORAL LOSS
Compensatory Mitigation for Temporal Loss

Compensation for temporal wetland impacts is necessary pursuant to NPS Director's Order 77-1 Section 5.2.3. Approximately 13.84 acres of total temporal wetland impacts are estimated to occur and are proposed to be mitigated by a 5:1 ratio resulting in 69.2 (5 times 13.84) acres of invasive plant treatment. The estimated 13.84 acres of temporal wetland impacts are anticipated to be caused from ingress and egress and compression of vegetation from equipment within the length of the ROW during demolition and construction.

Two locations within the Barataria Preserve, totaling +/- 204 acres, have been identified as areas where invasive non-native plant species are to be treated (Figures 7 & 8). After construction concludes, NPS will designate a final 69.2-acre invasive plant treatment mitigation area from the +/-204-acre areas.

The NPS determined that compensatory mitigation is required for the portion of the project area on federal land at the preserve. The compensatory mitigation action plan detailed more fully below would be implemented.

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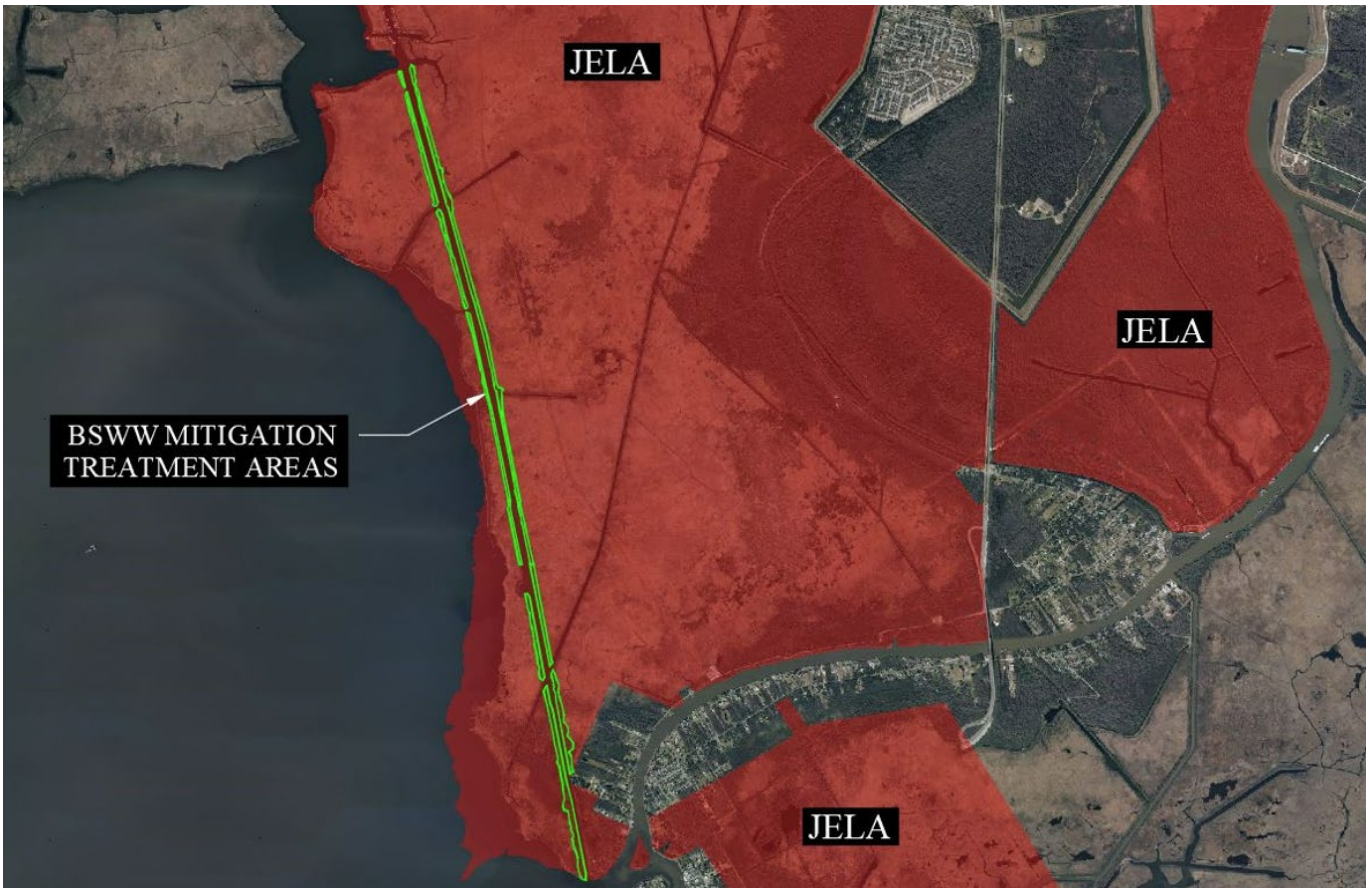
Figure 7: Millaudon/ Kenta Compensatory Mitigation Treatment Areas

Figure 8: Bayou Segnette Compensatory Mitigation Treatment Area



3.3.1 Description of the Proposed Wetland Compensation for temporal loss.

Treatment areas consist of wetlands interspersed with woody species that have significant areas of invasive and other non-preferred species tree growth that include but are not limited to Chinese Tallow *Triadica sebifera*, Chinaberry *Melia azedarach*, Camphor *Cinnamomum camphora*, and Golden Rain Tree Koelreuteria *paniculata.* Invasive non-native trees are located in both large clusters and in more individually dispersed locations. The areas to be treated are scrub/shrub and forested wetlands that are located along the banklines of their respective waterways. Overall wetland functions and values would be enhanced by invasive tree removal. Treatments would assist in promoting native plant growth and would aid in offsetting overall ecosystem function within the park while the project areas recover from the proposed activities.

Invasive non-native plant treatment would enhance the targeted areas by creating and maintaining ecosystems that reduce reinvasion, better control erosion, reduce sediment loading, and improve water quality. Treatment would also improve habitat for wildlife by temporarily increasing forage and would indirectly benefit adjacent plant communities and habitats by reducing the potential for their invasion by reducing the number of non-native invasive plant seeds produced in the treated areas.Treatments would be integrated into the park's overall invasive plant management program, a goal of which is to manage non-native plants in natural areas.

3.3.2 Description of the Treatment Process for Compensatory Mitigation for Temporal Loss

Temporal mitigation of invasive plant treatment in 69.2 acres will occur twice, at least 2 years apart, and the final determination of success would be surveyed during the growing season after the second treatment. Where treatment crews would physically sweep the acreage with 20 ft spacing between crew members for effective treatment.

Treatment would be accomplished by foliar, cut stump, or hack and squirt herbicide applications to target invasive plants using hand-held equipment. Applicators would spray herbicide while tracking through the treatment areas in a grid pattern utilizing GPS technology to verify treatment and land boundaries. Some invasive plants/trees may be physically removed (uprooted). Hand sprayers, backpack mounted spray units, and machetes/axes would be used for treating invasive trees.

Regardless of the methods involved, care would be exercised to avoid damage to desirable native species to the greatest extent practicable. Only selective broad leaf herbicides licensed for application in aquatic/wetland habitats would be utilized after approval by the NPS' Integrated Pest Management Program through the pesticide use proposal process (PUPs). The schedule and frequency of invasive/nuisance plant eradication events would be coordinated with JELA and determined based on the results of treatment monitoring. The area would be consistent with a 5:1 ratio to compensate for the loss or degradation of habitat and to maintain consistency with the NPS "no net loss of wetlands" goal (DO #77-1).

3.3.3 Project Anticipated Schedule for Compensatory Mitigation for Temporal Loss

The first target invasive species treatment in the compensatory areas would be completed in spring and summer 2023 after green-up. The second treatment would occur in the spring and summer of 2025 after green-up. Entergy would provide oversight and count the number of treated individuals during each of the two treatments to document those invasive plants were treated.

3.3.4 Performance Standards, Monitoring and Maintenance Requirements and Schedule

In keeping with the NPS no-net-loss of wetlands policy, the NPS may conduct periodic surveys to verify that compensation projects have been successfully completed. Entergy and the NPS would agree on the timing of two treatments.

Entergy would provide the NPS with a report no later than December 2023 that details the treatment activities and GPS data of acreage treated. Treatment monitoring would occur the following Spring (2024) to determine success rate and necessary re-treatment areas.

Monitoring reports would contain the total number of treated target species and achieve a mitigation success criterion of no reproducing target species in the 69.2-acre treatment. These reports could recommend other management/control activities other than recommendations concerning the control of invasive and nuisance plant species.

Monitors would take photographs of the treatment area before and after treatment. At least two photos would be taken at each treatment area location with the view of each photo always oriented in the same general direction from one monitoring event to the next.

Success criteria would be determined by no fruiting mature specimens above a certain height in treatment areas after the second completed treatment. Of the target vegetation identified, 99% is

to be treated. All control efforts shall be at least 95% effective in preventing re-sprouts of all target vegetation. If a 95% kill rate is not achieved for any area of the project after two months of the growing season following project completion, either during the growing season when the treatment took place, or, if there is insufficient time before the end of that growing season, then after two months of the following growing season, one (1) additional thorough treatment of the project area will be the responsibility of the Contractor at no cost to the NPS.

Additional criteria includes a guaranteed 95% coverage of the designated area with herbicides and showing control of target species for a period of 24 months following the application date. Effectiveness will be determined by park staff. Failure to achieve the target of 95% mortality will result in re-treatments by the Entergy or their Contractor. If prescribed areas are omitted or rained-off, the Contractor will return to the site and re-treat these omitted or rained-off areas with the appropriate herbicide at the Contractor's expense.

3.3.5 Source funding

Funding for the compensation project would be provided by Entergy and would be consistent with restrictions listed in Section 5.2.3 of the NPS Procedural Manual # 77-1 Wetlands Protection.

4.0 CONCLUSION

The NPS proposes to issue a SUP to Entergy to demolish/rebuild an existing timber and steel supported 115kV transmission line crossing the Barataria Preserve unit of Jean Lafitte National Historic Park and Preserve (JELA or the park). The Golden Meadow-Barataria transmission line serves as a primary pathway of power to the electrical transmission system that feeds southern Lafourche and Jefferson Parishes.

Three (3) action alternatives were evaluated to accomplish the purpose and need presented in the EA prepared for this project. Though there is no build alternative that would have zero impacts within National Park lands, the preferred alternative requires that all work be performed within the limits of the existing ROW with no additional disturbance of previously undisturbed JELA property.

The construction of the proposed transmission line would result in temporary, moderate adverse impacts to approximately 13.86 acres of wetlands project-wide that includes 0.02 acres of permanent wetland impacts from new structure installation. The area within the existing transmission line ROW was disturbed in the past due to maintenance and repair activities. The proposed action would cause additional impacts to this vegetation through equipment access.

Best management practices will be implemented to avoid impacts to wetlands. For those impacts that cannot be avoided, restoration and rehabilitation actions are required. In addition, compensatory mitigation for temporal loss to wetlands in the ROW for this project is the treatment of invasive plant species at a 5:1 ratio. The total area to be treated for compensation is 69.2 acres.

Two locations within the Barataria Preserve totaling +/- 204 acres have been identified as areas where invasive non-native plant species are taking over natural vegetation and treatment is needed (Figures 7 & 8). Specific areas for treatment will be assessed and selected from the identified +/-204-acre areas and submitted in a work plan to be reviewed and approved by NPS prior to beginning treatment.

The NPS finds that there are no practicable alternatives to disturbing approximately 13.86 acres of wetlands within the proposed project area in the existing ROW. Wetlands would be avoided to the maximum practicable extent, and any wetland impacts that could not be avoided would be minimized. Wetlands adversely affected by the equipment access into the project area would be expected to recover most of their functions and values over time. Unavoidable impacts to wetlands on federal lands would be compensated for by replacement using a ratio of 3:1 as per NPS policy (see Section 5.2.3 of NPS Procedural Manual #77-1 Wetland Protection. Therefore, the mitigation plan is consistent with NPS no net loss of wetlands policy.

APPENDIX 2

JOINT PERMITS FOR WORK WITHIN THE LOUISIANA COASTAL ZONE

From: Farabee, Michael V CIV USARMY CEMVN (USA)
To: Michael Trahan, Jr.
Cc: Permits HMA
Subject: FW: [Non-DoD Source] P20210693 - ORIGINAL - Parish(es):JEFFERSON, LAFOURCHE - COE Distribution
Date: Wednesday, August 25, 2021 7:54:47 AM
Attachments: Manatee Condition.pdf
NWP-33.pdf

Michael,

The work proposed in your Joint Permit Application P20210693 on behalf of Entergy Louisiana, LLC may be accomplished under maintenance provisions for the existing line/structures and the existing Department of the Army Nationwide Permit #33 (NWP 33). As such, nor further authorization from our office is required. Entergy Louisiana, LLC, should be aware that they will continue to be responsible for any structures or portions of structures remaining in place, either above or below ground, until such time as these structures are completely removed or permittee makes a good faith transfer of the authorization to a third party. I have attached a copy of the NWP 33 and manatee avoidance measures which must be adhered to during work activities. This determination does not supersede the need to obtain all other necessary approvals prior to initiating work.

In addition, this proposal is located in a pre-defined buffer/review area for potential impacts to 3 federal projects. As such, a permission or waiver from this District relative to those federal projects may be required. I have provide the appropriate offices with a copy of the application. No work within these federal project review areas can occur until you have approval/waiver from their offices. If you have questions about their review, please contact Ms. Amy Powell at 504 862-2241.

This will close the Regulatory Branch coordination on P20210693.

Michael, I had to remove the Joint Permit Application from the email to reduce the size for mailing. If you need a copy of the Joint Application included, let me know and I'll send an additional email.

Michael Farabee
Regulatory Division
Chief, Eastern Evaluation Branch
504 862-2292

From: Office of Coastal Management <bpel.mail@la.gov>
Sent: Tuesday, August 24, 2021 11:01 AM
To: DNR Permits MVN <DNRPermits@usace.army.mil>
Subject: [Non-DoD Source] P20210693 - ORIGINAL - Parish(es):JEFFERSON, LAFOURCHE - COE Distribution

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If you would like to respond, provide comment or contact someone about this application please click the OCM Analyst name below to send an email to the permit analyst, use the "Make Comments" link below to post a comment to the administrative record or call the OCM Analyst at 225-342-7591 or 800-267-4019. Be sure to reference your P# as found in the subject of this email. Do not use the "reply" button to respond to this email as this account is not monitored for incoming messages.

Coastal Use Permit Application Information

Applicant:	Entergy Louisiana, LLC
Project:	Proposed removal of existing wires and structures along the Golden Meadow to Barataria Transmission line
Project Parish(es):	JEFFERSON, LAFOURCHE

OCM Analyst:	Jessica Stowe (jessica.stowe@la.gov)
Preliminary Determination:	Coastal Use Permit
Application Modification:	N/A

The Office of Coastal Management has reviewed the referenced application and found it to be complete. A Public Notice is required for this application, please indicate if you plan to participate in the Notice. Please click on the link below to access the COE Transmittal Form. The application can be viewed by clicking on the P# highlighted in that form.

Acknowledgement Letter
COE Transmittal
GIS Report
Be advised that the COE response must be received within 5 days of this distribution in order to include the COE in processing this application.

STANDARD MANATEE CONDITIONS FOR IN-WATER ACTIVITIES

During in-water work in areas that potentially support manatees, all personnel associated with the project shall be instructed and aware of the potential presence of manatees, manatee speed zones, and the need to avoid collisions with, and injury to, manatee. All personnel shall be advised that there are civil and criminal penalties for harming, harassing, or killing manatees which are protected under the Marine Mammal Protection Act of 1972 and the Endangered Species Act of 1973. Additionally, personnel shall be instructed not to attempt to feed or otherwise interact with the animal.

All on-site personnel are responsible for observing water-related activities for the presence of manatee(s). To minimize potential impacts to manatees in areas of their potential presence, the permittee shall insure the following are adhered to:

- All work, equipment, and vessel operation shall cease if a manatee is spotted within a 50-foot radius (buffer zone) of the active work area. Once the manatee has left the buffer zone on its own accord (manatees must not be herded or harassed into leaving), or after 30 minutes have passed without additional sightings of manatee(s) in the buffer zone, in-water work can resume under careful observation for manatee(s).

- If a manatee(s) is sighted in or near the project area, all vessels associated with the project shall operate at “no wake/idle” speeds within the construction area and at all times while in waters where the draft of the vessel provides less than a four-foot clearance from the bottom. Vessels shall follow routes of deep water whenever possible.

- If used, siltation or turbidity barriers shall be properly secured, made of material in which manatees cannot become entangled, and be monitored to avoid manatee entrapment or impeding their movement.

- Temporary signs concerning manatees shall be posted prior to and during all in-water project activities and removed upon completion. Each vessel involved in construction activities shall display at the vessel control station or in a prominent location, visible to all employees operating the vessel, a temporary sign at least 8½ " X 11" reading language similar to the following: “CAUTION BOATERS: MANATEE AREA/ IDLE SPEED IS REQUIRED IN CONSTRUCTION AREA AND WHERE THERE IS LESS THAN FOUR FOOT BOTTOM CLEARANCE WHEN MANATEE IS PRESENT”. A second temporary sign measuring 8½ " X 11” shall be posted at a location prominently visible to all personnel engaged in water-related activities and shall read language similar to the following: “CAUTION: MANATEE AREA/ EQUIPMENT MUST BE SHUTDOWN IMMEDIATELY IF A MANATEE COMES WITHIN 50 FEET OF OPERATION”.

- Collisions with, injury to, or sightings of manatees shall be immediately reported to the U.S. Fish and Wildlife Service’s, Louisiana Ecological Services Office (337/291-3100) and the Louisiana Department of Wildlife and Fisheries, Natural Heritage Program (225/765-2821). Please provide the nature of the call (i.e., report of an incident, manatee sighting, etc.); time of incident/sighting; and the approximate location, including the latitude and longitude coordinates, if possible.

US Army Corps of Engineers
New Orleans District

Nationwide Permit Summary

33 CFR Part 330; Issuance of Nationwide Permits – December 27, 2021
and Regional Conditions for Louisiana

Nationwide Permit 33 – Temporary Construction, Access, and Dewatering. Temporary structures, work, and discharges of dredged or fill material, including cofferdams, necessary for construction activities or access fills or dewatering of construction sites, provided that the associated primary activity is authorized by the Corps of Engineers or the U.S. Coast Guard. This NWP also authorizes temporary structures, work, and discharges of dredged or fill material, including cofferdams, necessary for construction activities not otherwise subject to the Corps or U.S. Coast Guard permit requirements. Appropriate measures must be taken to maintain near normal downstream flows and to minimize flooding. Fill must consist of materials, and be placed in a manner, that will not be eroded by expected high flows. The use of dredged material may be allowed if the district engineer determines that it will not cause more than minimal adverse environmental effects. Following completion of construction, temporary fill must be entirely removed to an area that has no waters of the United States, dredged material must be returned to its original location, and the affected areas must be restored to pre-construction elevations. The affected areas must also be revegetated, as appropriate. This permit does not authorize the use of cofferdams to dewater wetlands or other aquatic areas to change their use. Structures left in place after construction is completed require a separate section 10 permit if located in navigable waters of the United States. (See 33 CFR part 322.)

Notification: The permittee must submit a pre-construction notification to the district engineer prior to commencing the activity if the activity is conducted in navigable waters of the United States (i.e., section 10 waters) (see general condition 32). The pre-construction notification must include a restoration plan showing how all temporary fills and structures will be removed and the area restored to pre-project conditions.

(Authorities: Section 10 of the Rivers and Harbors Act of 1899 and Section 404 of the Clean Water Act (Sections 10 and 404)).

A. Nationwide Permit General Conditions

Note: To qualify for NWP authorization, the prospective permittee must comply with the following general conditions, as applicable, in addition to any regional (see Section B) or case-specific conditions (see Section C) imposed by the division engineer or district engineer. Prospective permittees should review these general conditions and these regional conditions for awareness of all requirements placed on this NWP authorization. Prospective permittees should also take note on whether this NWP needs a separate Clean Water Act Section 401 water quality certification and/or Coastal Zone Management Act consistency for this NWP. This information can also be obtained in Section C below. Every person who may wish to obtain permit authorization under one or more NWPs, or who is currently relying on an existing or prior permit authorization under one or more NWPs, has been and is on notice that all of the provisions of 33 CFR 330.1 through 330.6 apply to every NWP authorization. Note especially 33 CFR 330.5 relating to the modification, suspension, or revocation of any NWP authorization.

1. Navigation.

(a) No activity may cause more than a minimal adverse effect on navigation.

(b) Any safety lights and signals prescribed by the U.S. Coast Guard, through regulations or otherwise, must be installed and maintained at the permittee's expense on authorized facilities in navigable waters of the United States.

(c) The permittee understands and agrees that, if future operations by the United States require the removal, relocation, or other alteration, of the structure or work herein authorized, or if, in the opinion of the Secretary of the Army or his or her authorized representative, said structure or work shall cause unreasonable obstruction to the free navigation of the navigable waters, the permittee will be required, upon due notice from the Corps of Engineers, to remove, relocate, or alter the structural work or obstructions caused thereby, without expense to the United States. No claim shall be made against the United States on account of any such removal or alteration.

2. Aquatic Life Movements. No activity may substantially disrupt the necessary life cycle movements of those species of aquatic life indigenous to the waterbody, including those species that normally migrate through the area, unless the activity's primary purpose is to impound water. All permanent and temporary crossings of waterbodies shall be suitably culverted, bridged, or otherwise designed and constructed to maintain low flows to sustain the movement of those aquatic species. If a bottomless culvert cannot be used, then the crossing should be designed and constructed to minimize adverse effects to aquatic life movements.

3. Spawning Areas. Activities in spawning areas during spawning seasons must be avoided to the maximum extent practicable. Activities that result in the physical destruction (e.g., through excavation, fill, or downstream smothering by substantial turbidity) of an important spawning area are not authorized.

4. Migratory Bird Breeding Areas. Activities in waters of the United States that serve as breeding areas for migratory birds must be avoided to the maximum extent practicable.

5. Shellfish Beds. No activity may occur in areas of concentrated shellfish populations, unless the activity is directly related to a shellfish harvesting activity authorized by NWPs 4 and 48, or is a shellfish seeding or habitat restoration activity authorized by NWP 27.

6. Suitable Material. No activity may use unsuitable material (e.g., trash, debris, car bodies, asphalt, etc.). Material used for construction or discharged must be free from toxic pollutants in toxic amounts (see section 307 of the Clean Water Act).

7. Water Supply Intakes. No activity may occur in the proximity of a public water supply intake, except where the activity is for the repair or improvement of public water supply intake structures or adjacent bank stabilization.

8. Adverse Effects From Impoundments. If the activity creates an impoundment of water, adverse effects to the aquatic system due to accelerating the passage of water, and/or restricting its flow must be minimized to the maximum extent practicable.

9. Management of Water Flows. To the maximum extent practicable, the pre-construction course, condition, capacity, and location of open waters must be maintained for each activity, including stream channelization, storm water management activities, and temporary and permanent road crossings, except as provided below. The activity must be constructed to withstand expected high flows. The activity must not restrict or impede the passage of normal or high flows, unless the primary purpose of the activity is to impound water or manage high flows. The activity may alter the pre-construction course, condition, capacity, and location of open waters if it benefits the aquatic environment (e.g., stream restoration or relocation activities).

10. Fills Within 100-Year Floodplains. The activity must comply with applicable FEMA-approved state or local floodplain management requirements.

11. Equipment. Heavy equipment working in wetlands or mudflats must be placed on mats, or other measures must be taken to minimize soil disturbance.

12. Soil Erosion and Sediment Controls. Appropriate soil erosion and sediment controls must be used and maintained in effective operating condition during construction, and all exposed soil and other fills, as well as any work below the ordinary high water mark or high tide line, must be permanently stabilized at the earliest practicable date. Permittees are encouraged to perform work within waters of the United States during periods of low-flow or no-flow, or during low tides.

13. Removal of Temporary Structures and Fills. Temporary structures must be removed, to the maximum extent practicable, after their use has been discontinued. Temporary fills must be removed in their entirety and the affected areas returned to pre-construction elevations. The affected areas must be revegetated, as appropriate.

14. Proper Maintenance. Any authorized structure or fill shall be properly maintained, including maintenance to ensure public safety and compliance with applicable NWP general conditions, as well as any activity-specific conditions added by the district engineer to an NWP authorization.

15. Single and Complete Project. The activity must be a single and complete project. The same NWP cannot be used more than once for the same single and complete project.

16. Wild and Scenic Rivers.

(a) No NWP activity may occur in a component of the National Wild and Scenic River System, or in a river officially designated by Congress as a “study river” for possible inclusion in the system while the river is in an official study status, unless the appropriate Federal agency with direct management responsibility for such river, has determined in writing that the proposed activity will not adversely affect the Wild and Scenic River designation or study status.

(b) If a proposed NWP activity will occur in a component of the National Wild and Scenic River System, or in a river officially designated by Congress as a “study river” for possible inclusion in the system while the river is in an official study status, the permittee must submit a pre-construction notification (see general condition 32). The district engineer will coordinate the PCN with the Federal agency with direct management responsibility for that river. Permittees shall not begin the NWP activity until notified by the district engineer that the Federal agency with direct management responsibility for that river has determined in writing that the proposed NWP activity will not adversely affect the Wild and Scenic River designation or study status.

(c) Information on Wild and Scenic Rivers may be obtained from the appropriate Federal land management agency responsible for the designated Wild and Scenic River or study river (e.g., National Park Service, U.S. Forest Service, Bureau of Land Management, U.S. Fish and Wildlife Service). Information on these rivers is also available at: http://www.rivers.gov/.

17. Tribal Rights. No activity or its operation may impair reserved tribal rights, including, but not limited to, reserved water rights and treaty fishing and hunting rights.

18. Endangered Species.

(a) No activity is authorized under any NWP which is likely to directly or indirectly jeopardize the continued existence of a threatened or endangered species or a species proposed for such designation, as identified under the Federal Endangered Species Act (ESA), or which will directly or indirectly destroy or adversely modify designated critical habitat or critical habitat proposed for such designation. No activity is authorized under any NWP which “may affect” a listed species or critical habitat, unless ESA section 7 consultation addressing the consequences of the proposed activity on listed species or critical habitat has been completed. See 50 CFR 402.02 for the definition of “effects of the action” for the purposes of ESA section 7 consultation, as well as 50 CFR 402.17, which provides further explanation under ESA section 7 regarding “activities that are reasonably certain to occur” and “consequences caused by the proposed action.”

(b) Federal agencies should follow their own procedures for complying with the requirements of the ESA (see 33 CFR 330.4(f)(1)). If pre-construction notification is required for the proposed activity, the Federal permittee must provide the district engineer with the appropriate documentation to demonstrate compliance with those

requirements. The district engineer will verify that the appropriate documentation has been submitted. If the appropriate documentation has not been submitted, additional ESA section 7 consultation may be necessary for the activity and the respective federal agency would be responsible for fulfilling its obligation under section 7 of the ESA.

(c) Non-federal permittees must submit a pre-construction notification to the district engineer if any listed species (or species proposed for listing) or designated critical habitat (or critical habitat proposed such designation) might be affected or is in the vicinity of the activity, or if the activity is located in designated critical habitat or critical habitat proposed for such designation, and shall not begin work on the activity until notified by the district engineer that the requirements of the ESA have been satisfied and that the activity is authorized. For activities that might affect Federally-listed endangered or threatened species (or species proposed for listing) or designated critical habitat (or critical habitat proposed for such designation), the pre-construction notification must include the name(s) of the endangered or threatened species (or species proposed for listing) that might be affected by the proposed activity or that utilize the designated critical habitat (or critical habitat proposed for such designation) that might be affected by the proposed activity. The district engineer will determine whether the proposed activity “may affect” or will have “no effect” to listed species and designated critical habitat and will notify the non-Federal applicant of the Corps’ determination within 45 days of receipt of a complete pre-construction notification. For activities where the non-Federal applicant has identified listed species (or species proposed for listing) or designated critical habitat (or critical habitat proposed for such designation) that might be affected or is in the vicinity of the activity, and has so notified the Corps, the applicant shall not begin work until the Corps has provided notification that the proposed activity will have “no effect” on listed species (or species proposed for listing or designated critical habitat (or critical habitat proposed for such designation), or until ESA section 7 consultation or conference has been completed. If the non-Federal applicant has not heard back from the Corps within 45 days, the applicant must still wait for notification from the Corps.

(d) As a result of formal or informal consultation or conference with the FWS or NMFS the district engineer may add species-specific permit conditions to the NWPs.

(e) Authorization of an activity by an NWP does not authorize the “take” of a threatened or endangered species as defined under the ESA. In the absence of separate authorization (e.g., an ESA Section 10 Permit, a Biological Opinion with “incidental take” provisions, etc.) from the FWS or the NMFS, the Endangered Species Act prohibits any person subject to the jurisdiction of the United States to take a listed species, where "take" means to harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect, or to attempt to engage in any such conduct. The word “harm” in the definition of “take" means an act which actually kills or injures wildlife. Such an act may include significant habitat modification or degradation where it actually kills or injures wildlife by significantly impairing essential behavioral patterns, including breeding, feeding or sheltering.

(f) If the non-federal permittee has a valid ESA section 10(a)(1)(B) incidental take permit with an approved Habitat Conservation Plan for a project or a group of projects that includes the proposed NWP activity, the non-federal applicant should provide a copy of that ESA section 10(a)(1)(B) permit with the PCN required by paragraph (c) of this general condition. The district engineer will coordinate with the agency that issued the ESA section 10(a)(1)(B) permit to determine whether the proposed NWP activity and the associated incidental take were considered in the internal ESA section 7 consultation conducted for the ESA section 10(a)(1)(B) permit. If that coordination results in concurrence from the agency that the proposed NWP activity and the associated incidental take were considered in the internal ESA section 7 consultation for the ESA section 10(a)(1)(B) permit, the district engineer does not need to conduct a separate ESA section 7 consultation for the proposed NWP activity. The district engineer will notify the non-federal applicant within 45 days of receipt of a complete pre-construction notification whether the ESA section 10(a)(1)(B) permit covers the proposed NWP activity or whether additional ESA section 7 consultation is required.

(g) Information on the location of threatened and endangered species and their critical habitat can be obtained directly from the offices of the FWS and NMFS or their world wide web pages at http://www.fws.gov/ or http://www.fws.gov/ipac and http://www.nmfs.noaa.gov/pr/species/esa/ respectively.

19. Migratory Birds and Bald and Golden Eagles. The permittee is responsible for ensuring that an action authorized by an NWP complies with the Migratory Bird Treaty Act and the Bald and Golden Eagle Protection Act. The permittee is responsible for contacting the appropriate local office of the U.S. Fish and Wildlife Service to determine what measures, if any, are necessary or appropriate to reduce adverse effects to migratory birds or eagles, including whether "incidental take" permits are necessary and available under the Migratory Bird Treaty Act or Bald and Golden Eagle Protection Act for a particular activity.

20. Historic Properties.

(a) No activity is authorized under any NWP which may have the potential to cause effects to properties listed, or eligible for listing, in the National Register of Historic Places until the requirements of Section 106 of the National Historic Preservation Act (NHPA) have been satisfied.

(b) Federal permittees should follow their own procedures for complying with the requirements of section 106 of the National Historic Preservation Act (see 33 CFR 330.4(g)(1)). If pre-construction notification is required for the proposed NWP activity, the Federal permittee must provide the district engineer with the appropriate documentation to demonstrate compliance with those requirements. The district engineer will verify that the appropriate documentation has been submitted. If the appropriate documentation is not submitted, then additional consultation under section 106 may be necessary. The respective federal agency is responsible for fulfilling its obligation to comply with section 106.

(c) Non-federal permittees must submit a pre-construction notification to the district engineer if the NWP activity might have the potential to cause effects to any historic properties listed on, determined to be eligible for listing on, or potentially eligible for listing on the National Register of Historic Places, including previously unidentified properties. For such activities, the pre-construction notification must state which historic properties might have the potential to be affected by the proposed NWP activity or include a vicinity map indicating the location of the historic properties or the potential for the presence of historic properties. Assistance regarding information on the location of, or potential for, the presence of historic properties can be sought from the State Historic Preservation Officer, Tribal Historic Preservation Officer, or designated tribal representative, as appropriate, and the National Register of Historic Places (see 33 CFR 330.4(g)). When reviewing pre-construction notifications, district engineers will comply with the current procedures for addressing the requirements of section 106 of the National Historic Preservation Act. The district engineer shall make a reasonable and good faith effort to carry out appropriate identification efforts commensurate with potential impacts, which may include background research, consultation, oral history interviews, sample field investigation, and/or field survey. Based on the information submitted in the PCN and these identification efforts, the district engineer shall determine whether the proposed NWP activity has the potential to cause effects on the historic properties. Section 106 consultation is not required when the district engineer determines that the activity does not have the potential to cause effects on historic properties (see 36 CFR 800.3(a)). Section 106 consultation is required when the district engineer determines that the activity has the potential to cause effects on historic properties. The district engineer will conduct consultation with consulting parties identified under 36 CFR 800.2(c) when he or she makes any of the following effect determinations for the purposes of section 106 of the NHPA: no historic properties affected, no adverse effect, or adverse effect.

(d) Where the non-Federal applicant has identified historic properties on which the proposed NWP activity might have the potential to cause effects and has so notified the Corps, the non-Federal applicant shall not begin the activity until notified by the district engineer either that the activity has no potential to cause effects to historic properties or that NHPA section 106 consultation has been completed. For non-federal permittees, the district engineer will notify the prospective permittee within 45 days of receipt of a complete pre-construction notification whether NHPA section 106 consultation is required. If NHPA section 106 consultation is required, the district engineer will notify the non-Federal applicant that he or she cannot begin the activity until section 106 consultation is completed. If the non-Federal applicant has not heard back from the Corps within 45 days, the applicant must still wait for notification from the Corps.

(e) Prospective permittees should be aware that section 110k of the NHPA (54 U.S.C. 306113) prevents the Corps from granting a permit or other assistance to an applicant who, with intent to avoid the requirements of section 106 of the NHPA, has intentionally significantly adversely affected a historic property to which the permit would relate, or having legal power to prevent it, allowed such significant adverse effect to occur, unless

the Corps, after consultation with the Advisory Council on Historic Preservation (ACHP), determines that circumstances justify granting such assistance despite the adverse effect created or permitted by the applicant. If circumstances justify granting the assistance, the Corps is required to notify the ACHP and provide documentation specifying the circumstances, the degree of damage to the integrity of any historic properties affected, and proposed mitigation. This documentation must include any views obtained from the applicant, SHPO/THPO, appropriate Indian tribes if the undertaking occurs on or affects historic properties on tribal lands or affects properties of interest to those tribes, and other parties known to have a legitimate interest in the impacts to the permitted activity on historic properties.

21. Discovery of Previously Unknown Remains and Artifacts. Permittees that discover any previously unknown historic, cultural or archeological remains and artifacts while accomplishing the activity authorized by an NWP, they must immediately notify the district engineer of what they have found, and to the maximum extent practicable, avoid construction activities that may affect the remains and artifacts until the required coordination has been completed. The district engineer will initiate the Federal, Tribal, and state coordination required to determine if the items or remains warrant a recovery effort or if the site is eligible for listing in the National Register of Historic Places.

22. Designated Critical Resource Waters. Critical resource waters include, NOAA-managed marine sanctuaries and marine monuments, and National Estuarine Research Reserves. The district engineer may designate, after notice and opportunity for public comment, additional waters officially designated by a state as having particular environmental or ecological significance, such as outstanding national resource waters or state natural heritage sites. The district engineer may also designate additional critical resource waters after notice and opportunity for public comment.

(a) Discharges of dredged or fill material into waters of the United States are not authorized by NWPs 7, 12, 14, 16, 17, 21, 29, 31, 35, 39, 40, 42, 43, 44, 49, 50, 51, 52, 57 and 58 for any activity within, or directly affecting, critical resource waters, including wetlands adjacent to such waters.

(b) For NWPs 3, 8, 10, 13, 15, 18, 19, 22, 23, 25, 27, 28, 30, 33, 34, 36, 37, 38, and 54, notification is required in accordance with general condition 32, for any activity proposed by permittees in the designated critical resource waters including wetlands adjacent to those waters. The district engineer may authorize activities under these NWPs only after she or he determines that the impacts to the critical resource waters will be no more than minimal.

23. Mitigation. The district engineer will consider the following factors when determining appropriate and practicable mitigation necessary to ensure that the individual and cumulative adverse environmental effects are no more than minimal:

(a) The activity must be designed and constructed to avoid and minimize adverse effects, both temporary and permanent, to waters of the United States to the maximum extent practicable at the project site (i.e., on site).

(b) Mitigation in all its forms (avoiding, minimizing, rectifying, reducing, or compensating for resource losses) will be required to the extent necessary to ensure that the individual and cumulative adverse environmental effects are no more than minimal.

(c) Compensatory mitigation at a minimum one-for-one ratio will be required for all wetland losses that exceed 1/10-acre and require pre-construction notification, unless the district engineer determines in writing that either some other form of mitigation would be more environmentally appropriate or the adverse environmental effects of the proposed activity are no more than minimal, and provides an activity-specific waiver of this requirement. For wetland losses of 1/10-acre or less that require pre-construction notification, the district engineer may determine on a case-by-case basis that compensatory mitigation is required to ensure that the activity results in only minimal adverse environmental effects.

(d) Compensatory mitigation at a minimum one-for-one ratio will be required for all losses of stream bed that exceed 3/100-acre and require pre-construction notification, unless the district engineer determines in writing that either some other form of mitigation would be more environmentally appropriate or the adverse environmental effects of the proposed activity are no more than minimal, and provides an activity-specific waiver of this requirement. This compensatory mitigation requirement may be satisfied through the restoration or enhancement of riparian areas next to streams in accordance with paragraph (e) of this general condition. For losses of stream bed of 3/100-acre or less that require preconstruction notification, the district engineer may determine on a case-by-case basis that compensatory mitigation is required to ensure that the activity results in only minimal adverse environmental effects. Compensatory mitigation for losses of streams should be provided, if practicable, through stream rehabilitation, enhancement, or preservation, since streams are difficult-to-replace resources (see 33 CFR 332.3(e)(3)).

(e) Compensatory mitigation plans for NWP activities in or near streams or other open waters will normally include a requirement for the restoration or enhancement, maintenance, and legal protection (e.g., conservation easements) of riparian areas next to open waters. In some cases, the restoration or maintenance/protection of riparian areas may be the only compensatory mitigation required. If restoring riparian areas involves planting vegetation, only native species should be planted. The width of the required riparian area will address documented water quality or aquatic habitat loss concerns. Normally, the riparian area will be 25 to 50 feet wide on each side of the stream, but the district engineer may require slightly wider riparian areas to address documented water quality or habitat loss concerns. If it is not possible to restore or maintain/protect a riparian area on both sides of a stream, or if the waterbody is a lake or coastal waters, then restoring or maintaining/protecting a riparian area along a single bank or shoreline may be sufficient. Where both wetlands and open waters exist on the

project site, the district engineer will determine the appropriate compensatory mitigation (e.g., riparian areas and/or wetlands compensation) based on what is best for the aquatic environment on a watershed basis. In cases where riparian areas are determined to be the most appropriate form of minimization or compensatory mitigation, the district engineer may waive or reduce the requirement to provide wetland compensatory mitigation for wetland losses.

(f) Compensatory mitigation projects provided to offset losses of aquatic resources must comply with the applicable provisions of 33 CFR part 332.

(1) The prospective permittee is responsible for proposing an appropriate compensatory mitigation option if compensatory mitigation is necessary to ensure that the activity results in no more than minimal adverse environmental effects. For the NWPs, the preferred mechanism for providing compensatory mitigation is mitigation bank credits or in-lieu fee program credits (see 33 CFR 332.3(b)(2) and (3)). However, if an appropriate number and type of mitigation bank or in-lieu credits are not available at the time the PCN is submitted to the district engineer, the district engineer may approve the use of permittee-responsible mitigation.

(2) The amount of compensatory mitigation required by the district engineer must be sufficient to ensure that the authorized activity results in no more than minimal individual and cumulative adverse environmental effects (see 33 CFR 330.1(e)(3)). (See also 33 CFR 332.3(f).)

(3) Since the likelihood of success is greater and the impacts to potentially valuable uplands are reduced, aquatic resource restoration should be the first compensatory mitigation option considered for permittee-responsible mitigation.

(4) If permittee-responsible mitigation is the proposed option, the prospective permittee is responsible for submitting a mitigation plan. A conceptual or detailed mitigation plan may be used by the district engineer to make the decision on the NWP verification request, but a final mitigation plan that addresses the applicable requirements of 33 CFR 332.4(c)(2) through (14) must be approved by the district engineer before the permittee begins work in waters of the United States, unless the district engineer determines that prior approval of the final mitigation plan is not practicable or not necessary to ensure timely completion of the required compensatory mitigation (see 33 CFR 332.3(k)(3)). If permittee-responsible mitigation is the proposed option, and the proposed compensatory mitigation site is located on land in which another federal agency holds an easement, the district engineer will coordinate with that federal agency to determine if proposed compensatory mitigation project is compatible with the terms of the easement.

(5) If mitigation bank or in-lieu fee program credits are the proposed option, the mitigation plan needs to address only the baseline conditions at the impact site and the number of credits to be provided (see 33 CFR 332.4(c)(1)(ii)).

(6) Compensatory mitigation requirements (e.g., resource type and amount to be provided as compensatory mitigation, site protection, ecological performance standards, monitoring requirements) may be addressed through conditions added to the NWP authorization, instead of components of a compensatory mitigation plan (see 33 CFR 332.4(c)(1)(ii)).

(g) Compensatory mitigation will not be used to increase the acreage losses allowed by the acreage limits of the NWPs. For example, if an NWP has an acreage limit of 1/2-acre, it cannot be used to authorize any NWP activity resulting in the loss of greater than 1/2-acre of waters of the United States, even if compensatory mitigation is provided that replaces or restores some of the lost waters. However, compensatory mitigation can and should be used, as necessary, to ensure that an NWP activity already meeting the established acreage limits also satisfies the no more than minimal impact requirement for the NWPs.

(h) Permittees may propose the use of mitigation banks, in-lieu fee programs, or permittee-responsible mitigation. When developing a compensatory mitigation proposal, the permittee must consider appropriate and practicable options consistent with the framework at 33 CFR 332.3(b). For activities resulting in the loss of marine or estuarine resources, permittee-responsible mitigation may be environmentally preferable if there are no mitigation banks or in-lieu fee programs in the area that have marine or estuarine credits available for sale or transfer to the permittee. For permittee-responsible mitigation, the special conditions of the NWP verification must clearly indicate the party or parties responsible for the implementation and performance of the compensatory mitigation project, and, if required, its long-term management.

(i) Where certain functions and services of waters of the United States are permanently adversely affected by a regulated activity, such as discharges of dredged or fill material into waters of the United States that will convert a forested or scrub-shrub wetland to a herbaceous wetland in a permanently maintained utility line right-of-way, mitigation may be required to reduce the adverse environmental effects of the activity to the no more than minimal level.

24. Safety of Impoundment Structures. To ensure that all impoundment structures are safely designed, the district engineer may require non-Federal applicants to demonstrate that the structures comply with established state or federal, dam safety criteria or have been designed by qualified persons. The district engineer may also require documentation that the design has been independently reviewed by similarly qualified persons, and appropriate modifications made to ensure safety.

25. Water Quality.

(a) Where the certifying authority (state, authorized tribe, or EPA, as appropriate) has not previously certified compliance of an NWP with CWA section 401, a CWA section 401 water quality certification for the proposed discharge must be obtained or waived (see 33 CFR 330.4(c)). If the permittee cannot comply with all of the conditions of a

water quality certification previously issued by certifying authority for the issuance of the NWP, then the permittee must obtain a water quality certification or waiver for the proposed discharge in order for the activity to be authorized by an NWP.

(b) If the NWP activity requires pre-construction notification and the certifying authority has not previously certified compliance of an NWP with CWA section 401, the proposed discharge is not authorized by an NWP until water quality certification is obtained or waived. If the certifying authority issues a water quality certification for the proposed discharge, the permittee must submit a copy of the certification to the district engineer. The discharge is not authorized by an NWP until the district engineer has notified the permittee that the water quality certification requirement has been satisfied by the issuance of a water quality certification or a waiver.

(c) The district engineer or certifying authority may require additional water quality management measures to ensure that the authorized activity does not result in more than minimal degradation of water quality.

26. Coastal Zone Management. In coastal states where an NWP has not previously received a state coastal zone management consistency concurrence, an individual state coastal zone management consistency concurrence must be obtained, or a presumption of concurrence must occur (see 33 CFR 330.4(d)). If the permittee cannot comply with all of the conditions of a coastal zone management consistency concurrence previously issued by the state, then the permittee must obtain an individual coastal zone management consistency concurrence or presumption of concurrence in order for the activity to be authorized by an NWP. The district engineer or a state may require additional measures to ensure that the authorized activity is consistent with state coastal zone management requirements.

27. Regional and Case-By-Case Conditions. The activity must comply with any regional conditions that may have been added by the Division Engineer (see 33 CFR 330.4(e)) and with any case specific conditions added by the Corps or by the state, Indian Tribe, or U.S. EPA in its CWA section 401 Water Quality Certification, or by the state in its Coastal Zone Management Act consistency determination.

28. Use of Multiple Nationwide Permits. The use of more than one NWP for a single and complete project is authorized, subject to the following restrictions:

(a) If only one of the NWPs used to authorize the single and complete project has a specified acreage limit, the acreage loss of waters of the United States cannot exceed the acreage limit of the NWP with the highest specified acreage limit. For example, if a road crossing over tidal waters is constructed under NWP 14, with associated bank stabilization authorized by NWP 13, the maximum acreage loss of waters of the United States for the total project cannot exceed 1/3-acre.

(b) If one or more of the NWPs used to authorize the single and complete project has specified acreage limits, the acreage loss of waters of the United States authorized by those NWPs cannot exceed their respective specified acreage limits. For example, if a commercial development is constructed under NWP 39, and the single and complete project includes the filling of an upland ditch authorized by NWP 46, the maximum acreage loss of waters of the United States for the commercial development under NWP 39 cannot exceed 1/2-acre, and the total acreage loss of waters of United States due to the NWP 39 and 46 activities cannot exceed 1 acre.

29. Transfer of Nationwide Permit Verifications. If the permittee sells the property associated with a nationwide permit verification, the permittee may transfer the nationwide permit verification to the new owner by submitting a letter to the appropriate Corps district office to validate the transfer. A copy of the nationwide permit verification must be attached to the letter, and the letter must contain the following statement and signature:

> "When the structures or work authorized by this nationwide permit are still in existence at the time the property is transferred, the terms and conditions of this nationwide permit, including any special conditions, will continue to be binding on the new owner(s) of the property. To validate the transfer of this nationwide permit and the associated liabilities associated with compliance with its terms and conditions, have the transferee sign and ate below."

_____

(Transferee)

_____

(Date)

30. Compliance Certification. Each permittee who receives an NWP verification letter from the Corps must provide a signed certification documenting completion of the authorized activity and implementation of any required compensatory mitigation. The success of any required permittee-responsible mitigation, including the achievement of ecological performance standards, will be addressed separately by the district engineer. The Corps will provide the permittee the certification document with the NWP verification letter. The certification document will include:

(a) A statement that the authorized activity was done in accordance with the NWP authorization, including any general, regional, or activity-specific conditions;

(b) A statement that the implementation of any required compensatory mitigation was completed in accordance with the permit conditions. If credits from a mitigation bank or in-lieu fee program are used to satisfy the compensatory mitigation requirements, the certification must include the documentation required by 33 CFR 332.3(l)(3) to confirm that the permittee secured the appropriate number and resource type of credits; and

(c) The signature of the permittee certifying the completion of the activity and mitigation. The completed certification document must be submitted to the district engineer within 30 days of completion of the authorized activity or the implementation of any required compensatory mitigation, whichever occurs later.

31. Activities Affecting Structures or Works Built by the United States. If an NWP activity also requires review by, or permission from, the Corps pursuant to 33 U.S.C. 408 because it will alter or temporarily or permanently occupy or use a U.S. Army Corps of Engineers (USACE) federally authorized Civil Works project (a "USACE project"), the prospective permittee must submit a pre-construction notification. See paragraph (b)(10) of general condition 32. An activity that requires section 408 permission and/or review is not authorized by an NWP until the appropriate Corps office issues the section 408 permission or completes its review to alter, occupy, or use the USACE project, and the district engineer issues a written NWP verification.

32. Pre-Construction Notification.

(a) *Timing*. Where required by the terms of the NWP, the prospective permittee must notify the district engineer by submitting a pre-construction notification (PCN) as early as possible. The district engineer must determine if the PCN is complete within 30 calendar days of the date of receipt and, if the PCN is determined to be incomplete, notify the prospective permittee within that 30 day period to request the additional information necessary to make the PCN complete. The request must specify the information needed to make the PCN complete. As a general rule, district engineers will request additional information necessary to make the PCN complete only once. However, if the prospective permittee does not provide all of the requested information, then the district engineer will notify the prospective permittee that the PCN is still incomplete and the PCN review process will not commence until all of the requested information has been received by the district engineer. The prospective permittee shall not begin the activity until either:

(1) He or she is notified in writing by the district engineer that the activity may proceed under the NWP with any special conditions imposed by the district or division engineer; or

(2) 45 calendar days have passed from the district engineer's receipt of the complete PCN and the prospective permittee has not received written notice from the district or division engineer. However, if the permittee was required to notify the Corps pursuant to general condition 18 that listed species or critical habitat might

be affected or are in the vicinity of the activity, or to notify the Corps pursuant to general condition 20 that the activity might have the potential to cause effects to historic properties, the permittee cannot begin the activity until receiving written notification from the Corps that there is “no effect” on listed species or “no potential to cause effects” on historic properties, or that any consultation required under Section 7 of the Endangered Species Act (see 33 CFR 330.4(f)) and/or section 106 of the National Historic Preservation Act (see 33 CFR 330.4(g)) has been completed. If the proposed activity requires a written waiver to exceed specified limits of an NWP, the permittee may not begin the activity until the district engineer issues the waiver. If the district or division engineer notifies the permittee in writing that an individual permit is required within 45 calendar days of receipt of a complete PCN, the permittee cannot begin the activity until an individual permit has been obtained. Subsequently, the permittee’s right to proceed under the NWP may be modified, suspended, or revoked only in accordance with the procedure set forth in 33 CFR 330.5(d)(2).

(b) *Contents of Pre-Construction Notification*: The PCN must be in writing and include the following information:

(1) Name, address and telephone numbers of the prospective permittee;

(2) Location of the proposed activity;

(3) Identify the specific NWP or NWP(s) the prospective permittee wants to use to authorize the proposed activity;

(4) **(i)** A description of the proposed activity; the activity’s purpose; direct and indirect adverse environmental effects the activity would cause, including the anticipated amount of loss of wetlands, other special aquatic sites, and other waters expected to result from the NWP activity, in acres, linear feet, or other appropriate unit of measure; a description of any proposed mitigation measures intended to reduce the adverse environmental effects caused by the proposed activity; and any other NWP(s), regional general permit(s), or individual permit(s) used or intended to be used to authorize any part of the proposed project or any related activity, including other separate and distant crossings for linear projects that require Department of the Army authorization but do not require pre-construction notification. The description of the proposed activity and any proposed mitigation measures should be sufficiently detailed to allow the district engineer to determine that the adverse environmental effects of the activity will be no more than minimal and to determine the need for compensatory mitigation or other mitigation measures. **(ii)** For linear projects where one or more single and complete crossings require pre-construction notification, the PCN must include the quantity of anticipated losses of wetlands, other special aquatic sites, and other waters for each single and complete crossing of those wetlands, other special aquatic sites, and other waters (including those single and complete crossings authorized by an NWP but do not require PCNs). This information will be used by

the district engineer to evaluate the cumulative adverse environmental effects of the proposed linear project, and does not change those non-PCN NWP activities into NWP PCNs. **(iii)** Sketches should be provided when necessary to show that the activity complies with the terms of the NWP. (Sketches usually clarify the activity and when provided results in a quicker decision. Sketches should contain sufficient detail to provide an illustrative description of the proposed activity (e.g., a conceptual plan), but do not need to be detailed engineering plans);

(5) The PCN must include a delineation of wetlands, other special aquatic sites, and other waters, such as lakes and ponds, and perennial and intermittent streams, on the project site. Wetland delineations must be prepared in accordance with the current method required by the Corps. The permittee may ask the Corps to delineate the special aquatic sites and other waters on the project site, but there may be a delay if the Corps does the delineation, especially if the project site is large or contains many wetlands, other special aquatic sites, and other waters. Furthermore, the 45-day period will not start until the delineation has been submitted to or completed by the Corps, as appropriate;

(6) If the proposed activity will result in the loss of greater than 1/10-acre of wetlands or 3/100-acre of stream bed and a PCN is required, the prospective permittee must submit a statement describing how the mitigation requirement will be satisfied, or explaining why the adverse environmental effects are no more than minimal and why compensatory mitigation should not be required. As an alternative, the prospective permittee may submit a conceptual or detailed mitigation plan.

(7) For non-federal permittees, if any listed species (or species proposed for listing) or designated critical habitat (or critical habitat proposed for such designation) might be affected or is in the vicinity of the activity, or if the activity is located in designated critical habitat (or critical habitat proposed for such designation), the PCN must include the name(s) of those endangered or threatened species (or species proposed for listing) that might be affected by the proposed activity or utilize the designated critical habitat (or critical habitat proposed for such designation) that might be affected by the proposed activity. For NWP activities that require pre-construction notification, Federal permittees must provide documentation demonstrating compliance with the Endangered Species Act;

(8) For non-federal permittees, if the NWP activity might have the potential to cause effects to a historic property listed on, determined to be eligible for listing on, or potentially eligible for listing on, the National Register of Historic Places, the PCN must state which historic property might have the potential to be affected by the proposed activity or include a vicinity map indicating the location of the historic property. For NWP activities that require pre-construction notification, Federal permittees must provide documentation demonstrating compliance with section 106 of the National Historic Preservation Act;

(9) For an activity that will occur in a component of the National Wild and Scenic River System, or in a river officially designated by Congress as a “study river” for possible inclusion in the system while the river is in an official study status, the PCN must identify the Wild and Scenic River or the “study river” (see general condition 16); and

(10) For an NWP activity that requires permission from, or review by, the Corps pursuant to 33 U.S.C. 408 because it will alter or temporarily or permanently occupy or use a U.S. Army Corps of Engineers federally authorized civil works project, the pre-construction notification must include a statement confirming that the project proponent has submitted a written request for section 408 permission from, or review by, the Corps office having jurisdiction over that USACE project.

(c) *Form of Pre-Construction Notification*: The nationwide permit pre-construction notification form (Form ENG 6082) should be used for NWP PCNs. A letter containing the required information may also be used. Applicants may provide electronic files of PCNs and supporting materials if the district engineer has established tools and procedures for electronic submittals.

(d) *Agency Coordination*:

(1) The district engineer will consider any comments from Federal and state agencies concerning the proposed activity’s compliance with the terms and conditions of the NWPs and the need for mitigation to reduce the activity’s adverse environmental effects so that they are no more than minimal.

(2) Agency coordination is required for: **(i)** all NWP activities that require pre-construction notification and result in the loss of greater than 1/2-acre of waters of the United States; **(ii)** NWP 13 activities in excess of 500 linear feet, fills greater than one cubic yard per running foot, or involve discharges of dredged or fill material into special aquatic sites; and **(iii)** NWP 54 activities in excess of 500 linear feet, or that extend into the waterbody more than 30 feet from the mean low water line in tidal waters or the ordinary high water mark in the Great Lakes.

(3) When agency coordination is required, the district engineer will immediately provide (e.g., via e-mail, facsimile transmission, overnight mail, or other expeditious manner) a copy of the complete PCN to the appropriate Federal or state offices (FWS, state natural resource or water quality agency, EPA, and, if appropriate, the NMFS). With the exception of NWP 37, these agencies will have 10 calendar days from the date the material is transmitted to notify the district engineer via telephone, facsimile transmission, or e-mail that they intend to provide substantive, site-specific comments. The comments must explain why the agency believes the adverse environmental effects will be more than minimal. If so contacted by an agency, the district engineer will wait an additional 15 calendar days before making a decision on the pre-construction notification. The district engineer will fully

consider agency comments received within the specified time frame concerning the proposed activity's compliance with the terms and conditions of the NWPs, including the need for mitigation to ensure that the net adverse environmental effects of the proposed activity are no more than minimal. The district engineer will provide no response to the resource agency, except as provided below. The district engineer will indicate in the administrative record associated with each pre-construction notification that the resource agencies' concerns were considered. For NWP 37, the emergency watershed protection and rehabilitation activity may proceed immediately in cases where there is an unacceptable hazard to life or a significant loss of property or economic hardship will occur. The district engineer will consider any comments received to decide whether the NWP 37 authorization should be modified, suspended, or revoked in accordance with the procedures at 33 CFR 330.5.

(4) In cases of where the prospective permittee is not a Federal agency, the district engineer will provide a response to NMFS within 30 calendar days of receipt of any Essential Fish Habitat conservation recommendations, as required by section 305(b)(4)(B) of the Magnuson-Stevens Fishery Conservation and Management Act.

(5) Applicants are encouraged to provide the Corps with either electronic files or multiple copies of pre-construction notifications to expedite agency coordination.

B. Regional Conditions for all Nationwide Permits in the state of Louisiana approved for reissuance/issuance on February 3, 2022.

Regional Condition 1. No regulated activity may cause the permanent loss or the conversion of greater than ½ acre of cypress swamp and/or cypress-tupelo swamp.

Regional Condition 2. No regulated activity may cause the permanent loss or the conversion of greater than ½ acre of coastal prairie, pine savanna, and/or pitcher plant bogs.

Regional Condition 3. No regulated activity is authorized under any NWP permit which has been determined to have an adverse impact upon a federal or state designated rookery and/or bird sanctuary.

Regional Condition 4. Dredged and/or fill material placed within wetlands and other waters must be free of contaminants.

Regional Condition 5. For work within the Louisiana Coastal Zone and/or the Outer Continental Shelf off Louisiana;

a. The New Orleans District's Programmatic General Permit (PGP) generally supersedes the Nationwide Permit authorization for regulated activities located within the Louisiana Coastal Zone as incorporated within the New Orleans Corps District

boundaries. Projects typically will not qualify for a Nationwide Permit if they qualify for the Programmatic General Permit.

b. A joint permit application for work must first be submitted to the Louisiana Department of Natural Resources, Office of Coastal Management (OCM). OCM will then forward the request to the Corps of Engineers-New Orleans District.

c. NWP requests that have not received a Coastal Use Permit or other consistency determination from the OCM would be processed by the Corps. However, any granted authorization may be conditioned to require the applicant to obtain appropriate authorization from OCM before the NWP is valid.

Regional Condition 6. A pre-construction notification, as defined under nationwide general condition 32, will be provided for all regulated activities, excluding Nationwide 20, that

a. Adversely affects greater than 1/10 acre of wetlands within the Louisiana Coastal Zone, and/or;

b. Adversely impacts a Louisiana designated Natural and Scenic River or a state or federal wetland/wildlife management area and/or refuge.

Regional Condition 7, Supplement to General Condition 2 – Aquatic Life Movement. To support compliance with General Condition 2 of the NWPs, culverts must be sufficiently sized to maintain expected high water flows and be installed at a sufficient depth to maintain low flows to sustain the movement of aquatic species.

Regional Condition 8, ESA Additional Information. NWP GC 18(g) provides links to information about threatened and endangered species and their critical habitat from FWS and NMFS. Within the State of Louisiana, additional information can also be obtained from LDWF at their world wide web pages at https://www.wlf.louisiana.gov/page/request-wildlife-diversity-project-review-or-digital-data.

C. Regional Conditions Specific to Nationwide Permit 33 in the state of Louisiana

This NWP, via disavowal of Coastal Zone certification by the Louisiana Department of Natural Resources, is considered denied without prejudice within the Louisiana Coastal Zone. Individual requests for approval under this NWP ***will be conditioned to require the applicant to obtain a Louisiana Department of Natural Resources determination/certification before the NWP is valid.***

D. Water Quality Nationwide Permit Regional Conditions for "Indian Country" Lands within the state of Louisiana

The Environmental Protection Agency (EPA) is the agency required to address water quality certification of the 2012 nationwide permits (NWPs) in Indian country[1] where a tribe has not received treatment in the same manner as a state for the Clean Water Act (CWA) Section 401 program. Tribes which have received treatment in the same manner as a state (TAS) for the water quality standards and §401 certification programs and which have EPA-approved water quality standards will be contacted by the Corps of Engineers for the water quality certification process. EPA is the agency required to address water quality certification for tribes that have not received TAS for the water quality standards and 401 certification programs. At this time, no Indian tribes in Louisiana have CWA Section 401 authority.

1. The permittee shall conduct all work in such a manner to comply with all U.S. Army Corps of Engineers §404 permit conditions.

2. The permittee shall keep a copy of this certification with conditions at the project site during all phases of construction. All contractors or subcontractors involved in the project must be provided a copy of this certification prior to commencement of activities.

3. All heavy equipment used in the project areas shall be steam cleaned before the start of the project and inspected daily for leaks. Leaking equipment must not be used in or near surface water or in a wetland area. Equipment shall be parked outside the waterbody when not in use.

4. All fuels, oil, hydraulic fluid, or other substances of this nature must not be stored, temporarily or otherwise, within the normal floodplain or the wetland. A secondary containment system for these items shall be used in the event the primary containment system leaks. Refueling or servicing of equipment must not take place within 100 feet of any watercourse or within the wetland area.

5. The construction area shall be protected such that a runoff event will not move soil or contaminants to surface water or away from the construction site. These measures shall be in place prior to the commencement of activities and inspected daily.

6. Temporary mats must be placed on stream banks, riparian areas, and wetlands, to minimize impacts to soil and vegetation from heavy equipment. Temporary access roads must be restored to pre-project conditions.

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[1] "Indian Country", as defined in 18 U.S.C. 1151, means: (1) all land within the limits of any Indian reservation under the jurisdiction of the United States government, not withstanding the issuance of any patent, and including rights-of-way running through the reservation; (2) all dependent Indian communities within the borders of the United States whether within the original or subsequently acquired territory thereof, and whether within or without the limits of a State; and (3) all Indian allotments, the Indian titles to which have not been extinguished, including rights-of-way running through the same.

7. All asphalt, concrete, and other construction materials must be properly handled and contained to prevent releases to the stream channels. All concrete that is to be poured must be fully contained in mortar-tight forms to prevent accidental releases to surface water or ground water. No discharge of any concrete to surface water or ground water may occur. Dumping of waste materials near watercourses is strictly prohibited.

8. Work in a stream channel should be limited to periods of no flow when practicable, and must be limited to periods of low flow. Avoid working within the channel during spring runoff or summer thunderstorm season.

9. When working in a stream channel, flowing water must be temporarily diverted around the work area to minimize sedimentation and turbidity problems. Acceptable diversion structures are non-erosive and include (but are not limited to) sand bags, water bladders, concrete barriers lined with plastic, and flumes.

10. The permittee shall restore all areas disturbed by construction activities to pre-project conditions. This shall include restoration of surface contours, stabilization of the soil, and restoration of appropriate native vegetation to establish permanent cover.

E. District Engineer's Decision.

1. In reviewing the PCN for the proposed activity, the district engineer will determine whether the activity authorized by the NWP will result in more than minimal individual or cumulative adverse environmental effects or may be contrary to the public interest. If a project proponent requests authorization by a specific NWP, the district engineer should issue the NWP verification for that activity if it meets the terms and conditions of that NWP, unless he or she determines, after considering mitigation, that the proposed activity will result in more than minimal individual and cumulative adverse effects on the aquatic environment and other aspects of the public interest and exercises discretionary authority to require an individual permit for the proposed activity. For a linear project, this determination will include an evaluation of the single and complete crossings of waters of the United States that require PCNs to determine whether they individually satisfy the terms and conditions of the NWP(s), as well as the cumulative effects caused by all of the crossings of waters of the United States authorized by an NWP. If an applicant requests a waiver of an applicable limit, as provided for in NWPs 13, 36, or 54, the district engineer will only grant the waiver upon a written determination that the NWP activity will result in only minimal individual and cumulative adverse environmental effects.

2. When making minimal adverse environmental effects determinations the district engineer will consider the direct and indirect effects caused by the NWP activity. He or she will also consider the cumulative adverse environmental effects caused by activities authorized by an NWP and whether those cumulative adverse environmental effects are no more than minimal. The district engineer will also consider site specific factors, such as the environmental setting in the vicinity of the NWP activity, the type of resource that will be affected by the NWP activity, the functions provided by the aquatic resources

that will be affected by the NWP activity, the degree or magnitude to which the aquatic resources perform those functions, the extent that aquatic resource functions will be lost as a result of the NWP activity (e.g., partial or complete loss), the duration of the adverse effects (temporary or permanent), the importance of the aquatic resource functions to the region (e.g., watershed or ecoregion), and mitigation required by the district engineer. If an appropriate functional or condition assessment method is available and practicable to use, that assessment method may be used by the district engineer to assist in the minimal adverse environmental effects determination. The district engineer may add case-specific special conditions to the NWP authorization to address site-specific environmental concerns.

3. If the proposed activity requires a PCN and will result in a loss of greater than 1/10-acre of wetlands or 3/100-acre of stream bed, the prospective permittee should submit a mitigation proposal with the PCN. Applicants may also propose compensatory mitigation for NWP activities with smaller impacts, or for impacts to other types of waters. The district engineer will consider any proposed compensatory mitigation or other mitigation measures the applicant has included in the proposal in determining whether the net adverse environmental effects of the proposed activity are no more than minimal. The compensatory mitigation proposal may be either conceptual or detailed. If the district engineer determines that the activity complies with the terms and conditions of the NWP and that the adverse environmental effects are no more than minimal, after considering mitigation, the district engineer will notify the permittee and include any activity-specific conditions in the NWP verification the district engineer deems necessary. Conditions for compensatory mitigation requirements must comply with the appropriate provisions at 33 CFR 332.3(k). The district engineer must approve the final mitigation plan before the permittee commences work in waters of the United States, unless the district engineer determines that prior approval of the final mitigation plan is not practicable or not necessary to ensure timely completion of the required compensatory mitigation. If the prospective permittee elects to submit a compensatory mitigation plan with the PCN, the district engineer will expeditiously review the proposed compensatory mitigation plan. The district engineer must review the proposed compensatory mitigation plan within 45 calendar days of receiving a complete PCN and determine whether the proposed mitigation would ensure that the NWP activity results in no more than minimal adverse environmental effects. If the net adverse environmental effects of the NWP activity (after consideration of the mitigation proposal) are determined by the district engineer to be no more than minimal, the district engineer will provide a timely written response to the applicant. The response will state that the NWP activity can proceed under the terms and conditions of the NWP, including any activity-specific conditions added to the NWP authorization by the district engineer.

4. If the district engineer determines that the adverse environmental effects of the proposed activity are more than minimal, then the district engineer will notify the applicant either: (a) that the activity does not qualify for authorization under the NWP and instruct the applicant on the procedures to seek authorization under an individual permit; (b) that the activity is authorized under the NWP subject to the applicant's submission of a mitigation plan that would reduce the adverse environmental effects so

that they are no more than minimal; or (c) that the activity is authorized under the NWP with specific modifications or conditions. Where the district engineer determines that mitigation is required to ensure no more than minimal adverse environmental effects, the activity will be authorized within the 45-day PCN period (unless additional time is required to comply with general conditions 18, 20, and/or 31), with activity-specific conditions that state the mitigation requirements. The authorization will include the necessary conceptual or detailed mitigation plan or a requirement that the applicant submit a mitigation plan that would reduce the adverse environmental effects so that they are no more than minimal. When compensatory mitigation is required, no work in waters of the United States may occur until the district engineer has approved a specific mitigation plan or has determined that prior approval of a final mitigation plan is not practicable or not necessary to ensure timely completion of the required compensatory mitigation.

F. Further Information

1. District Engineers have authority to determine if an activity complies with the terms and conditions of an NWP.

2. NWPs do not obviate the need to obtain other federal, state, or local permits, approvals, or authorizations required by law.

3. NWPs do not grant any property rights or exclusive privileges.

4. NWPs do not authorize any injury to the property or rights of others.

5. NWPs do not authorize interference with any existing or proposed Federal project (see general condition 31).

G. Definitions

Best management practices (BMPs): Policies, practices, procedures, or structures implemented to mitigate the adverse environmental effects on surface water quality resulting from development. BMPs are categorized as structural or non-structural.

Compensatory mitigation: The restoration (re-establishment or rehabilitation), establishment (creation), enhancement, and/or in certain circumstances preservation of aquatic resources for the purposes of offsetting unavoidable adverse impacts which remain after all appropriate and practicable avoidance and minimization has been achieved.

Currently serviceable: Useable as is or with some maintenance, but not so degraded as to essentially require reconstruction.

Direct effects: Effects that are caused by the activity and occur at the same time and place.

Discharge: The term "discharge" means any discharge of dredged or fill material into waters of the United States.

Ecological reference: A model used to plan and design an aquatic habitat and riparian area restoration, enhancement, or establishment activity under NWP 27. An ecological reference may be based on the structure, functions, and dynamics of an aquatic habitat type or a riparian area type that currently exists in the region where the proposed NWP 27 activity is located. Alternatively, an ecological reference may be based on a conceptual model for the aquatic habitat type or riparian area type to be restored, enhanced, or established as a result of the proposed NWP 27 activity. An ecological reference takes into account the range of variation of the aquatic habitat type or riparian area type in the region.

Enhancement: The manipulation of the physical, chemical, or biological characteristics of an aquatic resource to heighten, intensify, or improve a specific aquatic resource function(s). Enhancement results in the gain of selected aquatic resource function(s), but may also lead to a decline in other aquatic resource function(s). Enhancement does not result in a gain in aquatic resource area.

Establishment (creation): The manipulation of the physical, chemical, or biological characteristics present to develop an aquatic resource that did not previously exist at an upland site. Establishment results in a gain in aquatic resource area.

High Tide Line: The line of intersection of the land with the water's surface at the maximum height reached by a rising tide. The high tide line may be determined, in the absence of actual data, by a line of oil or scum along shore objects, a more or less continuous deposit of fine shell or debris on the foreshore or berm, other physical markings or characteristics, vegetation lines, tidal gages, or other suitable means that delineate the general height reached by a rising tide. The line encompasses spring high tides and other high tides that occur with periodic frequency but does not include storm surges in which there is a departure from the normal or predicted reach of the tide due to the piling up of water against a coast by strong winds such as those accompanying a hurricane or other intense storm.

Historic Property: Any prehistoric or historic district, site (including archaeological site), building, structure, or other object included in, or eligible for inclusion in, the National Register of Historic Places maintained by the Secretary of the Interior. This term includes artifacts, records, and remains that are related to and located within such properties. The term includes properties of traditional religious and cultural importance to an Indian tribe or Native Hawaiian organization and that meet the National Register criteria (36 CFR part 60).

Independent utility: A test to determine what constitutes a single and complete non-linear project in the Corps Regulatory Program. A project is considered to have independent utility if it would be constructed absent the construction of other projects

in the project area. Portions of a multi-phase project that depend upon other phases of the project do not have independent utility. Phases of a project that would be constructed even if the other phases were not built can be considered as separate single and complete projects with independent utility.

Indirect effects: Effects that are caused by the activity and are later in time or farther removed in distance, but are still reasonably foreseeable.

Loss of waters of the United States: Waters of the United States that are permanently adversely affected by filling, flooding, excavation, or drainage because of the regulated activity. The loss of stream bed includes the acres of stream bed that are permanently adversely affected by filling or excavation because of the regulated activity. Permanent adverse effects include permanent discharges of dredged or fill material that change an aquatic area to dry land, increase the bottom elevation of a waterbody, or change the use of a waterbody. The acreage of loss of waters of the United States is a threshold measurement of the impact to jurisdictional waters or wetlands for determining whether a project may qualify for an NWP; it is not a net threshold that is calculated after considering compensatory mitigation that may be used to offset losses of aquatic functions and services. Waters of the United States temporarily filled, flooded, excavated, or drained, but restored to pre-construction contours and elevations after construction, are not included in the measurement of loss of waters of the United States. Impacts resulting from activities that do not require Department of the Army authorization, such as activities eligible for exemptions under section 404(f) of the Clean Water Act, are not considered when calculating the loss of waters of the United States.

Navigable waters: Waters subject to section 10 of the Rivers and Harbors Act of 1899. These waters are defined at 33 CFR part 329.

Non-tidal wetland: A non-tidal wetland is a wetland that is not subject to the ebb and flow of tidal waters. Non-tidal wetlands contiguous to tidal waters are located landward of the high tide line (i.e., spring high tide line).

Open water: For purposes of the NWPs, an open water is any area that in a year with normal patterns of precipitation has water flowing or standing above ground to the extent that an ordinary high water mark can be determined. Aquatic vegetation within the area of flowing or standing water is either non-emergent, sparse, or absent. Vegetated shallows are considered to be open waters. Examples of “open waters” include rivers, streams, lakes, and ponds.

Ordinary High Water Mark: The term ordinary high water mark means that line on the shore established by the fluctuations of water and indicated by physical characteristics such as a clear, natural line impressed on the bank, shelving, changes in the character of soil, destruction of terrestrial vegetation, the presence of litter and debris, or other appropriate means that consider the characteristics of the surrounding areas.

Perennial stream: A perennial stream has surface water flowing continuously year-round during a typical year.

Practicable: Available and capable of being done after taking into consideration cost, existing technology, and logistics in light of overall project purposes.

Pre-construction notification: A request submitted by the project proponent to the Corps for confirmation that a particular activity is authorized by nationwide permit. The request may be a permit application, letter, or similar document that includes information about the proposed work and its anticipated environmental effects. Pre-construction notification may be required by the terms and conditions of a nationwide permit, or by regional conditions. A pre-construction notification may be voluntarily submitted in cases where pre-construction notification is not required and the project proponent wants confirmation that the activity is authorized by nationwide permit.

Preservation: The removal of a threat to, or preventing the decline of, aquatic resources by an action in or near those aquatic resources. This term includes activities commonly associated with the protection and maintenance of aquatic resources through the implementation of appropriate legal and physical mechanisms. Preservation does not result in a gain of aquatic resource area or functions.

Re-establishment: The manipulation of the physical, chemical, or biological characteristics of a site with the goal of returning natural/historic functions to a former aquatic resource. Re-establishment results in rebuilding a former aquatic resource and results in a gain in aquatic resource area and functions.

Rehabilitation: The manipulation of the physical, chemical, or biological characteristics of a site with the goal of repairing natural/historic functions to a degraded aquatic resource. Rehabilitation results in a gain in aquatic resource function, but does not result in a gain in aquatic resource area.

Restoration: The manipulation of the physical, chemical, or biological characteristics of a site with the goal of returning natural/historic functions to a former or degraded aquatic resource. For the purpose of tracking net gains in aquatic resource area, restoration is divided into two categories: re-establishment and rehabilitation.

Riffle and pool complex: Riffle and pool complexes are special aquatic sites under the 404(b)(1) Guidelines. Riffle and pool complexes sometimes characterize steep gradient sections of streams. Such stream sections are recognizable by their hydraulic characteristics. The rapid movement of water over a course substrate in riffles results in a rough flow, a turbulent surface, and high dissolved oxygen levels in the water. Pools are deeper areas associated with riffles. A slower stream velocity, a streaming flow, a smooth surface, and a finer substrate characterize pools.

Riparian areas: Riparian areas are lands next to streams, lakes, and estuarine-marine shorelines. Riparian areas are transitional between terrestrial and aquatic ecosystems,

through which surface and subsurface hydrology connects riverine, lacustrine, estuarine, and marine waters with their adjacent wetlands, non-wetland waters, or uplands. Riparian areas provide a variety of ecological functions and services and help improve or maintain local water quality. (See general condition 23.)

Shellfish seeding: The placement of shellfish seed and/or suitable substrate to increase shellfish production. Shellfish seed consists of immature individual shellfish or individual shellfish attached to shells or shell fragments (i.e., spat on shell). Suitable substrate may consist of shellfish shells, shell fragments, or other appropriate materials placed into waters for shellfish habitat.

Single and complete linear project: A linear project is a project constructed for the purpose of getting people, goods, or services from a point of origin to a terminal point, which often involves multiple crossings of one or more waterbodies at separate and distant locations. The term "single and complete project" is defined as that portion of the total linear project proposed or accomplished by one owner/developer or partnership or other association of owners/developers that includes all crossings of a single water of the United States (i.e., a single waterbody) at a specific location. For linear projects crossing a single or multiple waterbodies several times at separate and distant locations, each crossing is considered a single and complete project for purposes of NWP authorization. However, individual channels in a braided stream or river, or individual arms of a large, irregularly shaped wetland or lake, etc., are not separate waterbodies, and crossings of such features cannot be considered separately.

Single and complete non-linear project: For non-linear projects, the term "single and complete project" is defined at 33 CFR 330.2(i) as the total project proposed or accomplished by one owner/developer or partnership or other association of owners/developers. A single and complete non-linear project must have independent utility (see definition of "independent utility"). Single and complete non-linear projects may not be "piecemealed" to avoid the limits in an NWP authorization.

Stormwater management: Stormwater management is the mechanism for controlling stormwater runoff for the purposes of reducing downstream erosion, water quality degradation, and flooding and mitigating the adverse effects of changes in land use on the aquatic environment.

Stormwater management facilities: Stormwater management facilities are those facilities, including but not limited to, stormwater retention and detention ponds and best management practices, which retain water for a period of time to control runoff and/or improve the quality (i.e., by reducing the concentration of nutrients, sediments, hazardous substances and other pollutants) of stormwater runoff.

Stream bed: The substrate of the stream channel between the ordinary high water marks. The substrate may be bedrock or inorganic particles that range in size from clay

to boulders. Wetlands contiguous to the stream bed, but outside of the ordinary high water marks, are not considered part of the stream bed.

Stream channelization: The manipulation of a stream's course, condition, capacity, or location that causes more than minimal interruption of normal stream processes. A channelized jurisdictional stream remains a water of the United States.

Structure: An object that is arranged in a definite pattern of organization. Examples of structures include, without limitation, any pier, boat dock, boat ramp, wharf, dolphin, weir, boom, breakwater, bulkhead, revetment, riprap, jetty, artificial island, artificial reef, permanent mooring structure, power transmission line, permanently moored floating vessel, piling, aid to navigation, or any other manmade obstacle or obstruction.

Tidal wetland: A tidal wetland is a jurisdictional wetland that is inundated by tidal waters. Tidal waters rise and fall in a predictable and measurable rhythm or cycle due to the gravitational pulls of the moon and sun. Tidal waters end where the rise and fall of the water surface can no longer be practically measured in a predictable rhythm due to masking by other waters, wind, or other effects. Tidal wetlands are located channelward of the high tide line.

Tribal lands: Any lands title to which is either: 1) held in trust by the United States for the benefit of any Indian tribe or individual; or 2) held by any Indian tribe or individual subject to restrictions by the United States against alienation.

Tribal rights: Those rights legally accruing to a tribe or tribes by virtue of inherent sovereign authority, unextinguished aboriginal title, treaty, statute, judicial decisions, executive order or agreement, and that give rise to legally enforceable remedies.

Vegetated shallows: Vegetated shallows are special aquatic sites under the 404(b)(1) Guidelines. They are areas that are permanently inundated and under normal circumstances have rooted aquatic vegetation, such as seagrasses in marine and estuarine systems and a variety of vascular rooted plants in freshwater systems.

Waterbody: For purposes of the NWPs, a waterbody is a "water of the United States." If a wetland is adjacent to a waterbody determined to be a water of the United States, that waterbody and any adjacent wetlands are considered together as a single aquatic unit (see 33 CFR 328.4(c)(2)).

Joint Permit Application For Work Within the Louisiana Coastal Zone

Louisiana Department of Natural Resources
Office of Coastal Management

U.S. Army Corps of Engineers (COE)
New Orleans District

Application Number: 28609 **Permit Number:** P20210693 **Date Received:** 09/01/2022

Step 1 of 15 - Applicant Information

Applicant Name: Entergy Louisiana, LLC **Applicant Type:** INDUSTRY/OTHER

Mailing Addr : 4809 Jefferson Highway
New Orleans, LA 70121

DeRayne Duronslet

Contact Info:
Phone: (504) 840-2728 **Fax:** - **Email:** ddurons@entergy.com

Step 2 of 15 - Agent Information

Agent Name: T. BAKER SMITH, LLC

Mailing Addr: P.O. Box 2266
Houma, LA 70361

Michael Trahan

Contact Info:
Phone: (985) 223-9243 **Fax:** (985) 868-5843 **Email:** permits.hma@tbsmith.com

Step 3 of 15 - Permit Type

☒ Coastal Use Permit (CUP) ☐ Solicitation of Views (SOV) ☐ Request for Determination (RFD)

Step 4 of 15 - Pre-Application Activity

a. Have you participated in a Pre-Application or Geological Review Meeting for the proposed project?

☒ No ☐ Yes Date meeting was held:

Attendees:

_____ (Individual or Company Rep) _____ (OCM Representative) _____ (COE Representative)

b. Have you obtained an official wetland determination from the COE for the project site?

☒ No ☐ Yes **If Yes, Please upload a copy with your application.**

JD Number:

c. Is this application a mitigation plan for another CUP?

☒ No ☐ Yes OCM Permit Number:

Step 5 of 15 - Project Information

a. Describe the project.

Entergy Louisiana, LLC is proposing to demolish and rebuild the existing 115kV transmission line between the Golden Meadow and Barataria Substations, which is approximately 31 miles long and located mainly in marsh and open water. All wires and all exposed portions of the structures, will be removed. The below-grade portions of the structures (foundation pilings, and guy wire anchors) will be removed whenever possible. Should these foundation pilings or guy wire anchors not be able to be removed by reasonably non-invasive construction methods, then the foundation pilings will either be cut off or driven down to 3' below grade, and the guy anchors will be cut off 3' below grade. The rebuild will occur within the existing ROW and new structures would be installed in the same locations as the existing ones. These new structures would also eliminate the need for guy wires and reduce the overall footprint of the line and its supports

b. Is this application a change to an existing permit?

☐ No ☒ Yes OCM Permit Number: P20210693

c. Have you previously applied for a permit or emergency authoriation for all or any part of the proposed project?

☐ No ☒ Yes

Agency	Contact	Permit Number	Decision Status	Decision Date
OCM	Jessica Stowe	P20210613	Approved	06/23/2022
COE	Magan Breaux	No further Action	Approved	07/06/2021
Other				

Step 6 of 15 - Project Location

a. Physical Location

Street: 9134 Barataria Blvd

City: Barataria Parish: Lafourche Zip: 70036

Water Body:

b. Latitude and Longitude

Latitude: 29 45 36.84 Longitude: -90 7 46.67

c. Section, Township, and Range

Section #: Township #: Range #:

Section #: Township #: Range #:

d. Lot, Tract, Parcel, or Subdivision Name

Lot #: Parcel #:

Tract #: Subdivision Name:

e. Site Direction

START- From New Orleans take US90 (Westbank Exwy)then take Exit 4B turn left onto Barataria Blvd. and travel approximately 2.8 miles then turn left onto LA 3134 S/Lafitte Pkwy/Leo Kerner Pkwy and travel approximately 5.8 miles. turn right onto LA-45N for approximately 0.6 miles then turn right onto LA-301S for approximately 1.80 miles to the Barataria Substation (beginning of the project).

Step 7 of 15 - Adjacent Landowners - See attached list

Step 8 of 15 - Project Specifics

a. Project Name and/or Title: Proposed removal and rebuilding of the 115kV Transmission line from Golden Meadow to Barataria Substation.

b. Project Type: Non-Residential

c. Source of Funding: **PRIVATE**

d. What will be done for the proposed project?

☐ Bridge/Road	☐ Home Site/Driveway	☐ Pipeline/Flow Line	☐ Rip Rap/Erosion Control
☐ Bulkhead/Fill	☐ Levee Construction	☐ Plug/Abandon	☐ Site Clearance
☐ Drainage Improvements	☐ Dredging	☐ Production Barge/ Structure	☐ Subdivision
☐ Drill Barge/ Structure	☐ Prop Washing	☐ Vegetative Plantings	☐ Wharf/Pier/Boathouse
☐ Drill Site	☐ Pilings	☒ Remove Structures	
☐ Fill	☐ Marina	☐ Major Industrial/Commercial	

☒ Other: remove electrical wires and hardware,rebuilding of line

e. Why is the proposed project needed?

Many of the existing structures along this transmission line were destroyed or severely damaged during Hurricane Zeta. And some of the damages have worsened in subsequent storms. Thus the transmission line needs to be removed due to deteriorated state and the amount of repairs that would need to be made. The reconstruction of this line is currently being proposed to ensure electrical supply and integrity previously provided by this transmission line is restored.

Step 9 of 15 - Project Status

a. Proposed start date: 10/01/2021 **Proposed completion date:** 10/01/2022

b. Is any of the project work in progress?

☐ No ☒ Yes

Work has begun under EUA 21-098.

c. Is any of the project work completed?

☒ No ☐ Yes

Step 10 of 15 - Structures, Materials, and Methods for the Proposed Project

a. Excavations

0.0± Cubic Yards 0.0± Acres

b. Fill Areas

0.0± Cubic Yards 0.0± Acres

c. Fill Materials

☐ Concrete:	Cubic Yards	☐ Rock:	Cubic Yards
☐ Crushed Stone or Gravel:	Cubic Yards	☐ Sand:	Cubic Yards
☐ Excavated and Placed onsite :	Cubic Yards	☐ Hauled in Topsoil/Dirt:	Cubic Yards
☐ Excavated and hauled offsite:	Cubic Yards		
☐ Other:		Cubic Yards	

d. What equipment will be used for the proposed project?

☒ Airboat	☐ Bulldozer/Grader	☒ Marsh Buggy
☐ Backhoe	☐ Dragline/Excavator	☒ Other Tracked or Wheeled Vehicles
☐ Barge Mounted Bucket Dredge	☒ Handjet	☐ Self Propelled Pipe Laying Barge
☐ Barge Mounted Drilling Rig	☐ Land Based Drilling Rig	☒ Tugboat

☒ Other: See page 41 of plats for additional equipment

Step 11 of 15 - Project Alternatives

a. Total acres of wetlands and/or waterbottoms filled and/or excavated.

0.0 acres

b. What alternative locations, methods, and access routes were considered to avoid impact to wetlands and/or waterbottoms?

Open water access routes will be utilized to the maximum extent practical by the marsh buggies and/or marsh cranes. Tug and barges will utilize deep water areas to stage equipment to the maximum extent practical. Demo barges will be utilized in two ways, using barge-mounted cranes to remove some of the big steel structures that are in or near (and are accessible via) navigable waters, and to stage debris that has been flown out of the ROW with helicopters as mentioned below. Airboat-mounted equipment will be utilized where practical. The below-grade portions of the structures (foundation pilings, and guy wire anchors) will be removed whenever possible. Should these foundation pilings or guy wire anchors not be able to be removed by reasonably non-invasive construction methods, then the foundation pilings will either be cut off or driven down to 3' below grade, and the guy anchors will be cut off 3' below grade. Matting will be used at pipeline crossings as required for marsh buggy access. When water and pipeline depths are deemed sufficient marsh buggies will be floated across the pipelines with the aid of airboats/push boats as necessary. In some cases, even if the water depth isn't enough to float the marsh buggies over a pipeline, we may still be able to track over it without mats if the pipeline has adequate earth (mud) cover over it to minimize risk of damage.

c. What efforts were made to minimize impact to wetlands and/or waterbottoms?

Shallow draft tugs and barges will be utilized to the extent practical. Airboat-mounted equipment will be utilized where practical. Marsh will not be traversed unless it is absolutely necessary for construction removal purposes. Passes over marsh with equipment will be minimized to as few passes that are necessary to remove structures and associated hardware. Helicopters will be used to fly out disassembled equipment to the extent practical.

d. How are unavoidable impacts to vegetated wetlands to be mitigated?

Entergy requests that mitigation acreage be assessed by comparing pre and post photographic aerial photography upon the completion of a 1 year growing season. Entergy will then develop an appropriate mitigation plan to address any marsh impacts at that point.

Step 12 of 15 - Permit Type and Owners

a. Are you applying for a Coastal Use Permit?

☐ No ☒ Yes

b. Are you the sole landowner / oyster lease holder?

☒ No ☐ Yes

☐ The applicant is an owner of the property on which the proposed described activity is to occur.

☒ The applicant has made reasonable effort to determine the identity and current address of the owner(s) of the land on which the proposed described activity is to occur, which included, a search of the public records of the parish in which the proposed activity is to occur.

☒ The applicant hereby attests that a copy of the application has been distributed to the following landowners / oyster lease holders. See attached list.

c. Does the project involve drilling, production, and/or storage of oil and gas?

☒ No ☐ Yes **If yes, you must attach a list of all state and federal laws and rules and regulations**

Step 13 of 15 - Maps and Drawing Instructions

Note: OCM Compiled Plats consist of a complete and current set of plats that have been pieced together by OCM using only the most current portions of the plat files provided by the applicant/agent. All out-of-date plats have been excluded.

210252P-AmendedPermitDwgs8.30.22FullSet1-2.pdf	09/01/2022 08:31:04 AM
210252DNRResponseltrFINAL_9.1.22.pdf	09/01/2022 08:31:46 AM
210252P-AmendedPermitDwgs8.30.22FullSet2-2.pdf	09/01/2022 08:32:46 AM
210252P-ACCESS_FULL.pdf	08/18/2021 04:45:18 PM
210252DNRResponseltr_5-19-22.pdf	05/19/2022 01:24:18 PM
210252p003responsetoDNR.pdf	03/11/2022 11:35:20 AM
210252DNRResponseltr8.9.22.pdf	08/10/2022 04:58:11 PM

Step 14 of 15 - Payment

The fee for this permit is: $ 100.00

Step 15 of 15 - Payment Processed

Applicant Information

Applicant Name: Entergy Louisiana, LLC
Address: 4809 Jefferson Highway
New Orleans, LA 70121

To the best of my knowledge the proposed activity described in this permit application complies with, and will be conducted in a manner that is consistent with the Louisiana Coastal Resources Program. If applicable, I also certify that the declarations in Step 12c, oil spill response, are complete and accurate.

Landowners List

Landowner **Allain-Lebreton Co.** **5172 Chitimacha Trail** **Jenerette, LA 70544**
Landowner **Allen Company- Golden Meadow, LLC** **315 Metarie Road** **Metairie, LA 70005**
Landowner **Charles K. Bodenger** **1331 Patterson Road** **Austin, TX**
Landowner **Cheryl Evans Duet and Others** **366 West 57th Street** **Cut Off, LA 70345**
Landowner **Galliano Cattle Co., LLC C/O Dionne Choest** **16202 East Main Street** **Cut Off, LA 70345**

Landowner

General Agricultural Serv.LTD & Little Lake Land Co.

P.O. Box 489

Beatrice, NE 68310

Landowner

Hanh Nguyen

9506 East Main Street

Golden Meadow, LA 70357

Landowner

Jean Lafitte National Park

,

Landowner

L L & E C/O Buddy Smith

P.O. Box 7097

Houma, LA 70361

Landowner

Louisiana Delta Farms LDF Surface Holdings, LLC C/O Ethan Mil

P.O. Box 1285

Charlottesville, VA 22902

Landowner

Rathborne Land, LLC Philip demormandie Member, Manager

100 Pailet Street

Harvey, LA 70058

Landowner

Samuel E. Latham, III

409 Flaubert Drive

Marrero, LA 70072

Landowner

Victoria Bundy, et al C/O Carey Coulon

2808 Privateer Blvd

Barataria, LA

Landowner

Walter J. Dufrene, et al

3137 Privateer Blvd.

Barataria, LA 70036

Landowner

William R Laughlin, et al C/O John P. Lauglin

1131 Hancock Street

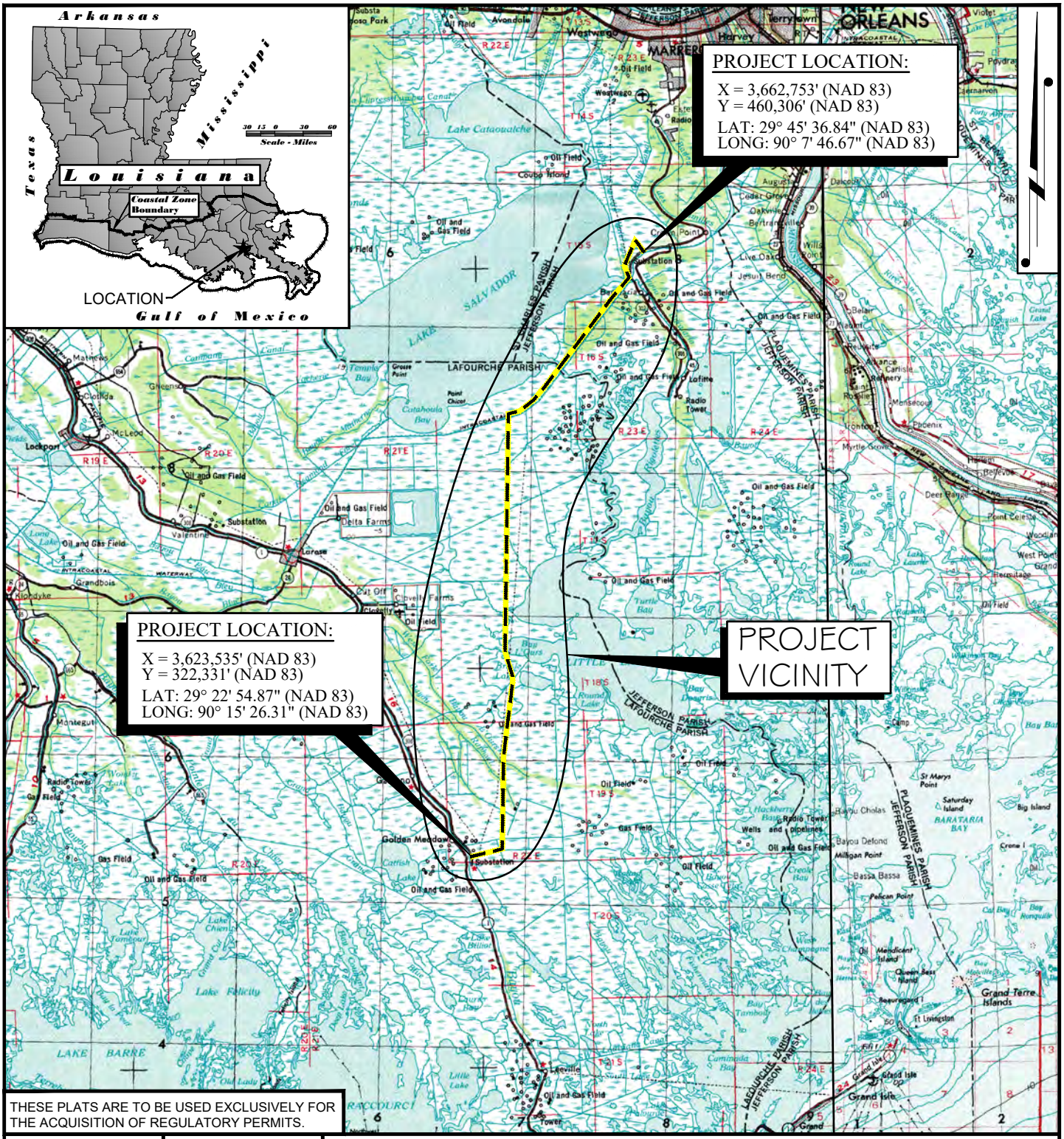
Gretna, LA 70053

Landowner

Yolanda Trudeau, et al

4019 Pauger Street

New Orleans, LA 70122



THESE PLATS ARE TO BE USED EXCLUSIVELY FOR THE ACQUISITION OF REGULATORY PERMITS.

DRAWN BY:	SPM	APPROVED BY:	MDT
DATE:	07/06/2021	JOB NO:	2021.0252
DRAWING NAME:		210252P- 1.DWG	
SHEET NO:	1	OF	41

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

SCALE: 1" = 6 MILES

6 MI 3 MI 0 MI 6 MI

VICINITY MAP

ENTERGY LOUISIANA, LLC

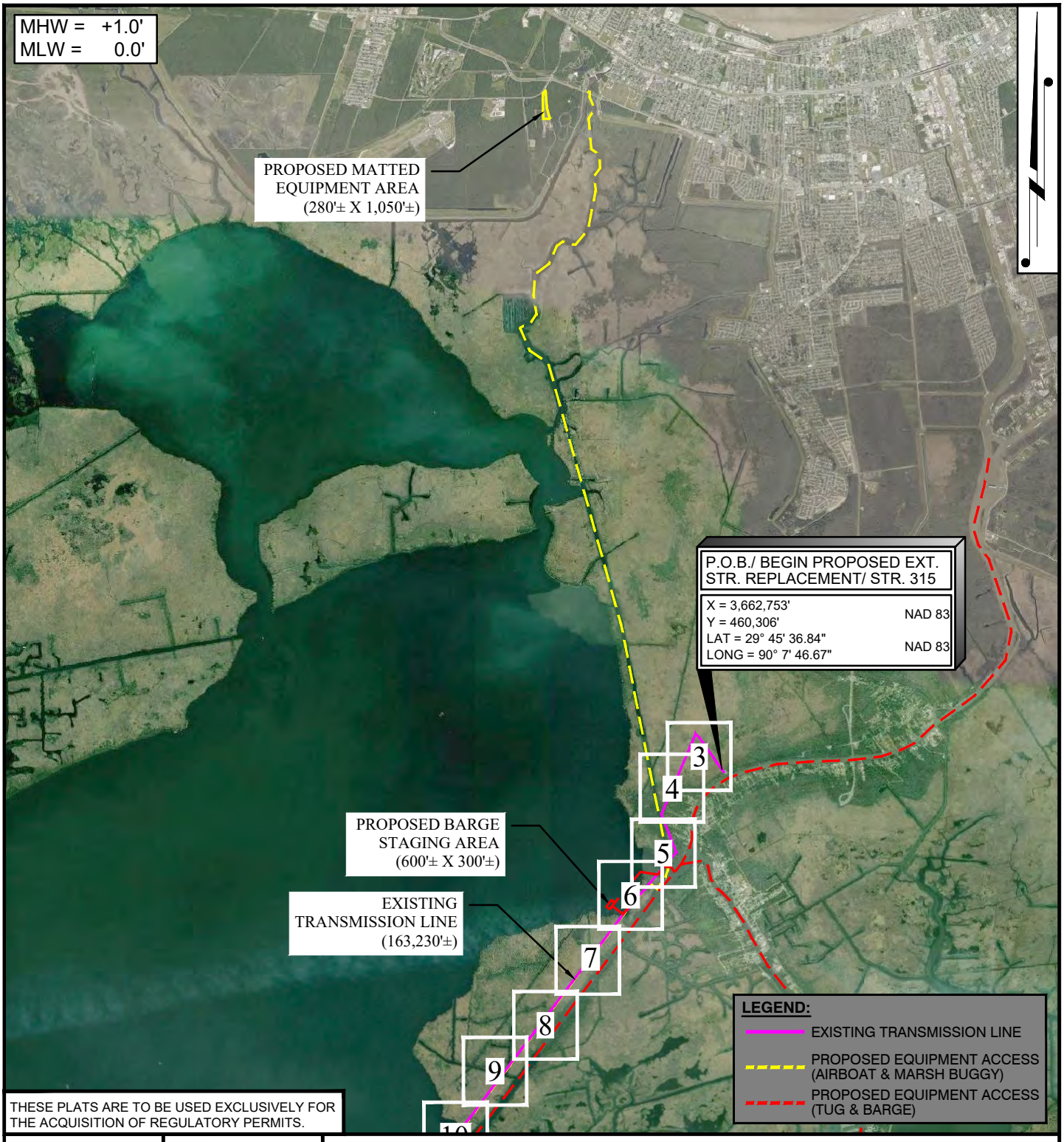
PROPOSED REMOVAL OF EXISTING STRUCTURES
ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE
LAFOURCHE & JEFFERSON PARISHES, LOUISIANA

T. BAKER SMITH
A CENTURY OF SOLUTIONS
412 South Van Ave, Houma, LA 70363
(985)868-1868 - tbsmith.com

REV. NO:	01	REV. DATE:	12/06/2021	REV. BY:	SPM

REVISION DESCRIPTION:
ADDED REPLACEMENT STRUCTURES.

12/7/2021 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 1.DWG



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DRAWN BY:	SPM	APPROVED BY:	MDT
DATE:	07/06/2021	JOB NO:	2021.0134
DRAWING NAME:		210252P- 2.DWG	
SHEET NO:	2A	OF	41

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

SCALE: 1" = 10,000'

10,000' 5,000' 0' 10,000'

OVERALL VIEW

ENTERGY LOUISIANA, LLC

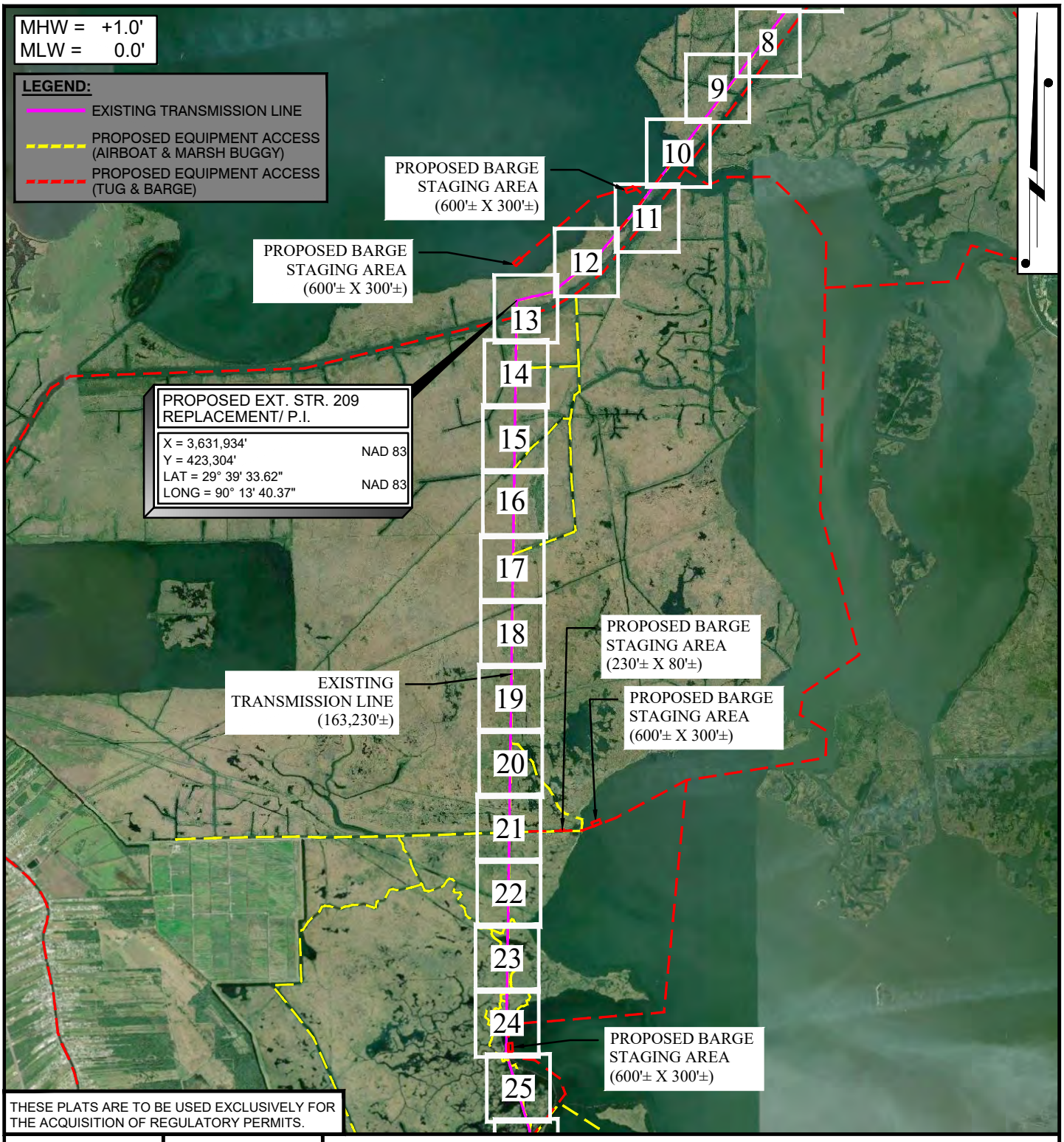
PROPOSED REMOVAL/REPLACEMENT OF EXISTING STRUCTURES ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE LAFOURCHE & JEFFERSON PARISHES, LOUISIANA

T. BAKER SMITH
A CENTURY OF SOLUTIONS
412 South Van Ave, Houma, LA 70363
(985)868-1666 - tbsmith.com

REV. NO:	03	REV. DATE:	02/10/2022	REV. BY:	SPM

REVISION DESCRIPTION:
ADDED BARGE STAGING AREA DIMENSIONS.

2/10/2022 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P - 2.DWG



THESE PLATS ARE TO BE USED EXCLUSIVELY FOR THE ACQUISITION OF REGULATORY PERMITS.

DRAWN BY:	SPM	APPROVED BY:	MDT
DATE:	07/06/2021	JOB NO:	2021.0134
DRAWING NAME:		210252P- 2.DWG	
SHEET NO:	2B	OF	41

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

SCALE: 1" = 10,000'

10,000' 5,000' 0' 10,000'

OVERALL VIEW

ENTERGY LOUISIANA, LLC

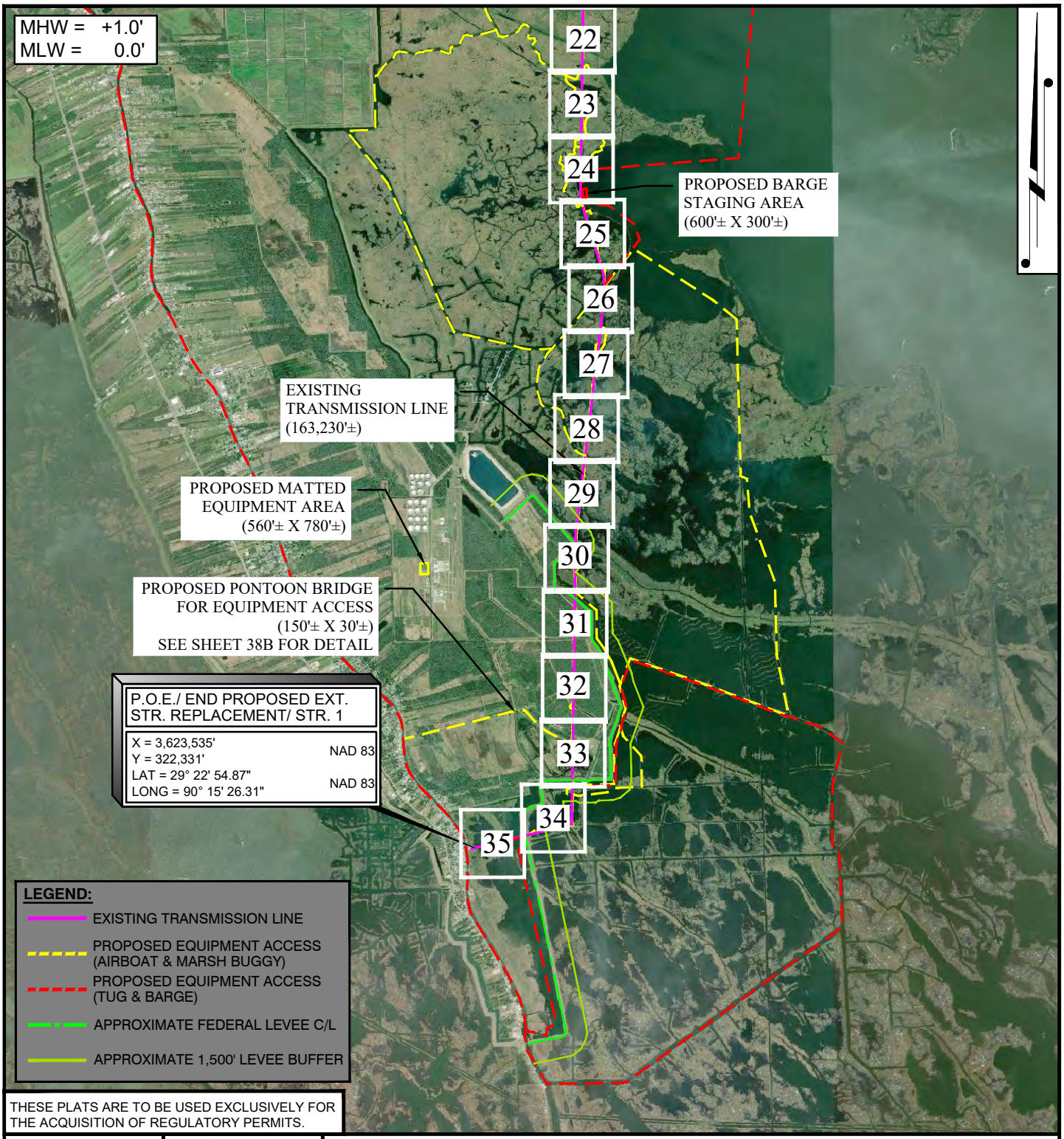
PROPOSED REMOVAL/REPLACEMENT OF EXISTING STRUCTURES ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE LAFOURCHE & JEFFERSON PARISHES, LOUISIANA

T. BAKER SMITH
A CENTURY OF SOLUTIONS
412 South Van Ave, Houma, LA 70363
(985)868-1666 - tbsmith.com

REV. NO:	05	REV. DATE:	07/18/2022	REV. BY:	SPM

REVISION DESCRIPTION:
ADDED ADDITIONAL BARGE STAGING AREA.

7/18/2022 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 2.DWG



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DRAWN BY:	SPM	APPROVED BY:	MDT
DATE:	07/06/2021	JOB NO:	2021.0134
DRAWING NAME:		210252P- 2.DWG	
SHEET NO:	2C	OF	41

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

SCALE: 1" = 10,000'

10,000' 5,000' 0' 10,000'

OVERALL VIEW

ENTERGY LOUISIANA, LLC

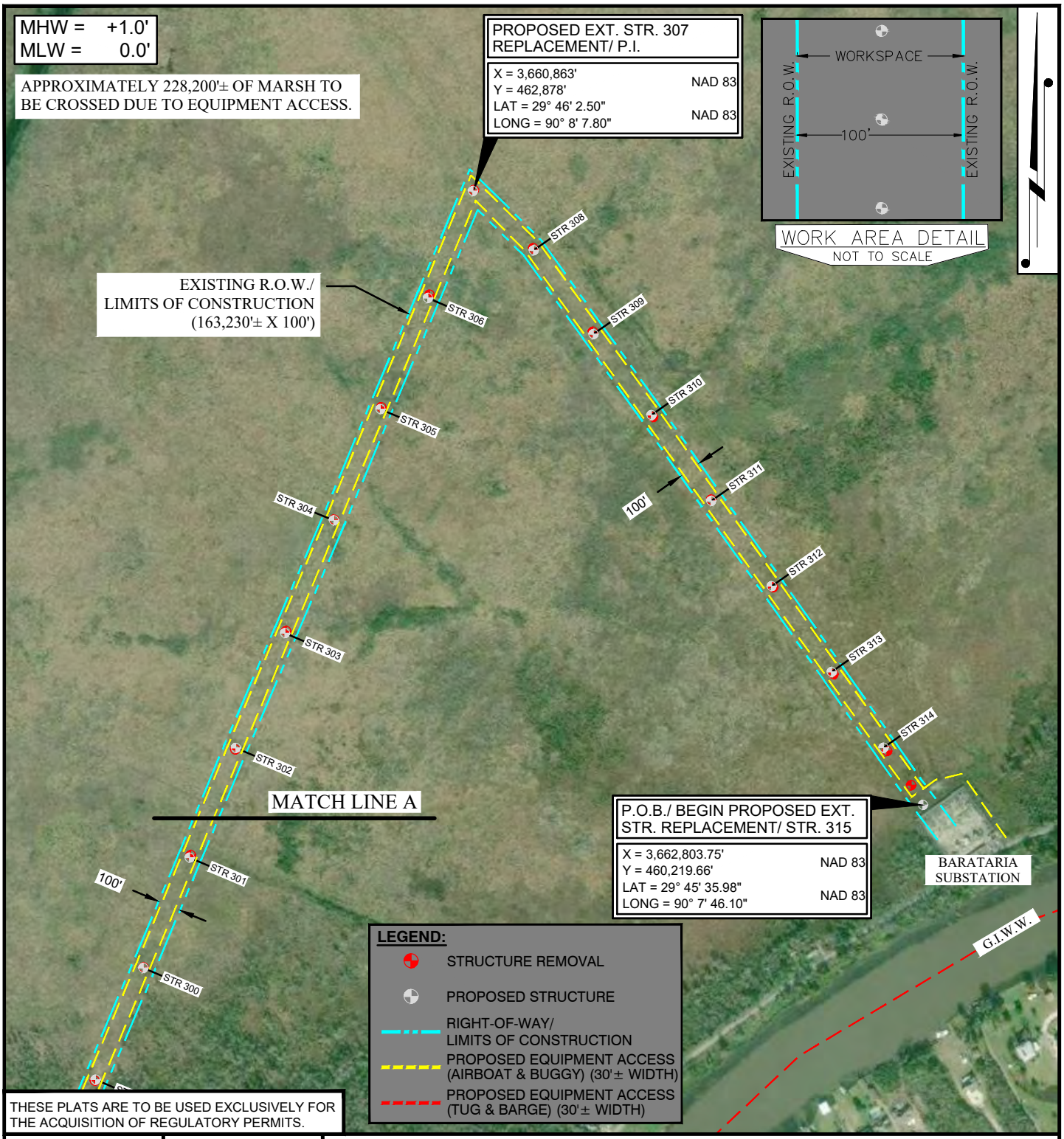
PROPOSED REMOVAL/REPLACEMENT OF EXISTING STRUCTURES ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE LAFOURCHE & JEFFERSON PARISHES, LOUISIANA

T. BAKER SMITH
A CENTURY OF SOLUTIONS
412 South Van Ave, Houma, LA 70363
(985)868-1666 - tbsmith.com

REV. NO:	REV. DATE:	REV. BY:
05	02/10/2022	SPM

REVISION DESCRIPTION:
ADDED BARGE STAGING AREA DIMENSIONS.

2/10/2022 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 2.DWG



THESE PLATS ARE TO BE USED EXCLUSIVELY FOR THE ACQUISITION OF REGULATORY PERMITS.

DRAWN BY:	SPM	APPROVED BY:	MDT
DATE:	07/06/2021	JOB NO:	2021.0252
DRAWING NAME:	210252P- 3_REV.DWG		
SHEET NO:	3	OF	41

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

SCALE: 1" = 600'

600' 300' 0' 600'

PLAN VIEW

ENTERGY LOUISIANA, LLC

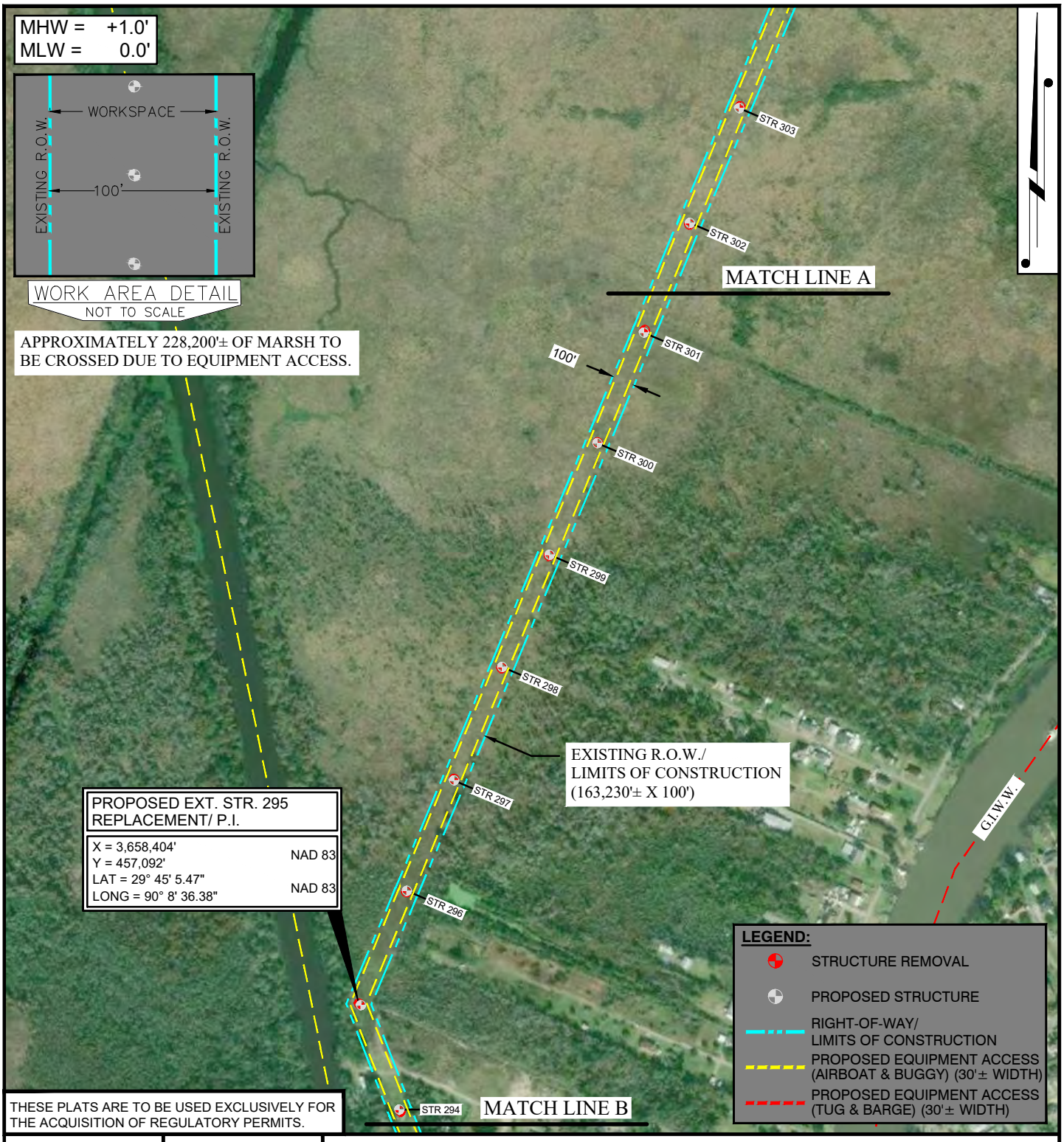
PROPOSED REMOVAL/REPLACEMENT OF EXISTING STRUCTURES ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE
LAFOURCHE & JEFFERSON PARISHES, LOUISIANA

T. BAKER SMITH
A CENTURY OF SOLUTIONS
412 South Van Ave, Houma, LA 70363
(985)868-1666 - tbsmith.com

REV. NO:	03	REV. DATE:	02/10/2022	REV. BY:	SPM

REVISION DESCRIPTION:
REVISED EQUIPMENT ACCESS.

2/10/2022 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 3_REV.DWG



THESE PLATS ARE TO BE USED EXCLUSIVELY FOR THE ACQUISITION OF REGULATORY PERMITS.

DRAWN BY:	SPM	APPROVED BY:	MDT
DATE:	07/06/2021	JOB NO:	2021.0252
DRAWING NAME:	210252P- 3_REV.DWG		
SHEET NO:	4	OF	41

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

SCALE: 1" = 600'

600' 300' 0' 600'

PLAN VIEW

ENTERGY LOUISIANA, LLC

PROPOSED REMOVAL/REPLACEMENT OF EXISTING STRUCTURES ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE
LAFOURCHE & JEFFERSON PARISHES, LOUISIANA

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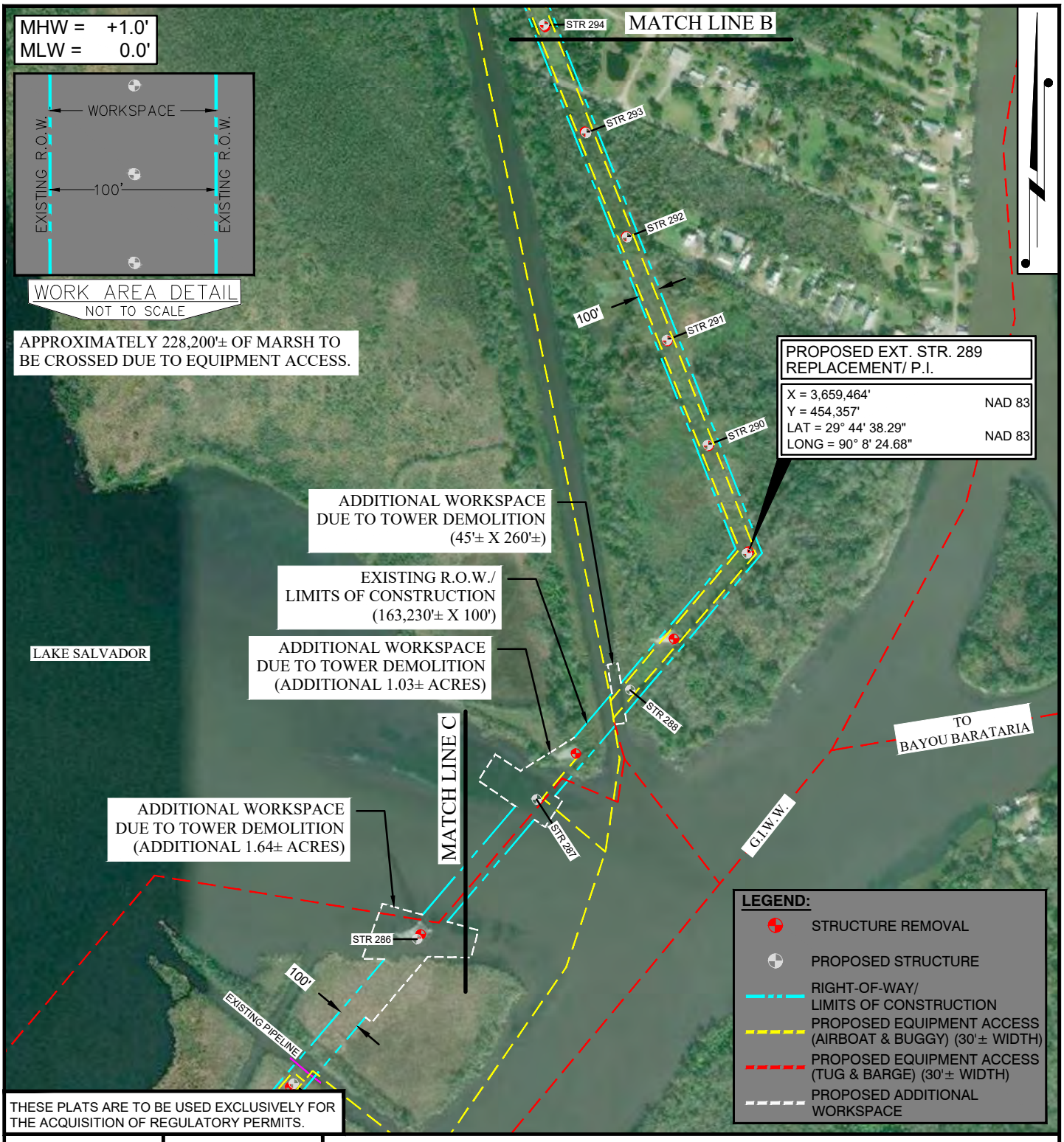
REV. NO:	03	REV. DATE:	02/10/2022	REV. BY:	SPM

REVISION DESCRIPTION:
REVISED EQUIPMENT ACCESS.

2/10/2022 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 3_REV.DWG



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DRAWN BY:	SPM	APPROVED BY:	MDT
DATE:	07/06/2021	JOB NO:	2021.0252
DRAWING NAME:	210252P- 3_REV.DWG		
SHEET NO:	5	OF	41

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

SCALE: 1" = 600'

600' 300' 0' 600'

PLAN VIEW

ENTERGY LOUISIANA, LLC

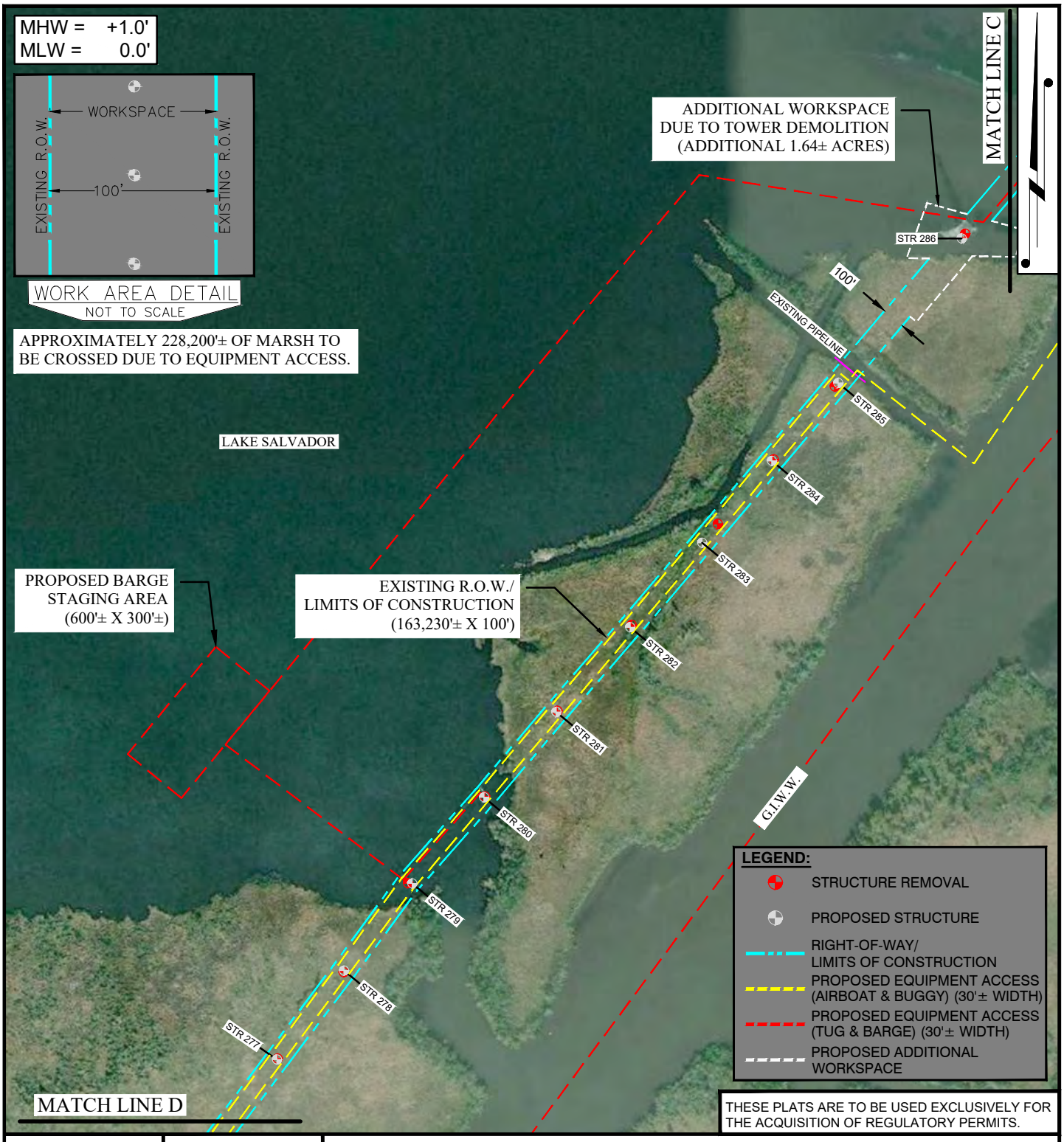
PROPOSED REMOVAL/REPLACEMENT OF EXISTING STRUCTURES ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE
LAFOURCHE & JEFFERSON PARISHES, LOUISIANA

T. BAKER SMITH
A CENTURY OF SOLUTIONS
412 South Van Ave, Houma, LA 70363
(985)868-1666 - tbsmith.com

REV. NO:	REV. DATE:	REV. BY:
05	07/18/2022	SPM

REVISION DESCRIPTION:
ADDED TOWER DEMOLITION WORKSPACES.

8/30/2022 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 3_REV.DWG



THESE PLATS ARE TO BE USED EXCLUSIVELY FOR THE ACQUISITION OF REGULATORY PERMITS.

DRAWN BY: SPM	APPROVED BY: MDT
DATE: 07/06/2021	JOB NO: 2021.0252
DRAWING NAME:	210252P- 3_REV.DWG
SHEET NO: 6	OF 41

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

SCALE: 1" = 600'

600' 300' 0' 600'

PLAN VIEW

ENTERGY LOUISIANA, LLC

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REV. NO:	REV. DATE:	REV. BY:
04	07/18/2022	SPM

REVISION DESCRIPTION:
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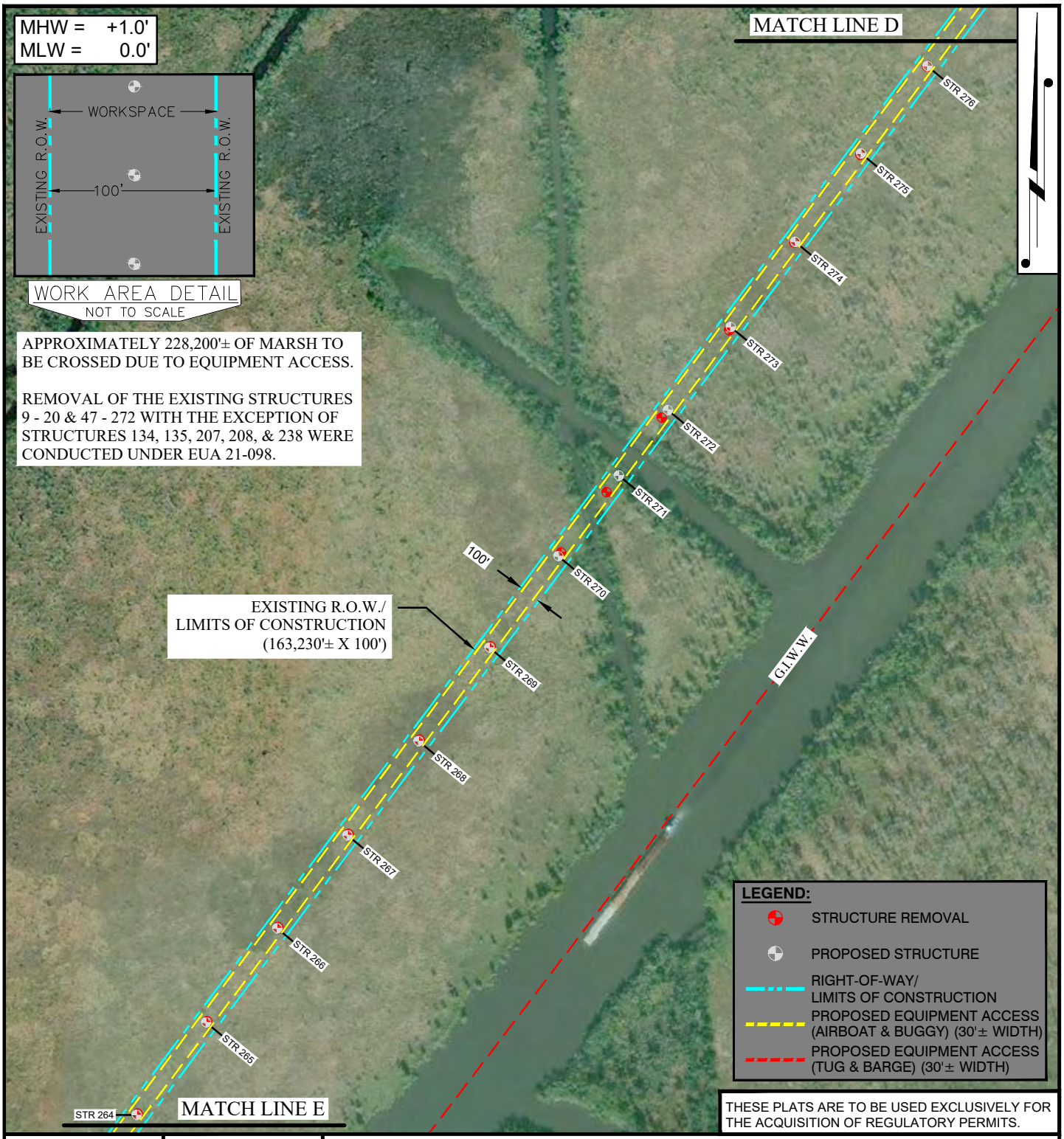
8/30/2022 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 3_REV.DWG



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DATE: 07/06/2021	JOB NO: 2021.0252
DRAWING NAME:	210252P- 3_REV.DWG
SHEET NO: 7	OF 41

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

SCALE: 1" = 600'

600' 300' 0' 600'

PLAN VIEW

ENTERGY LOUISIANA, LLC

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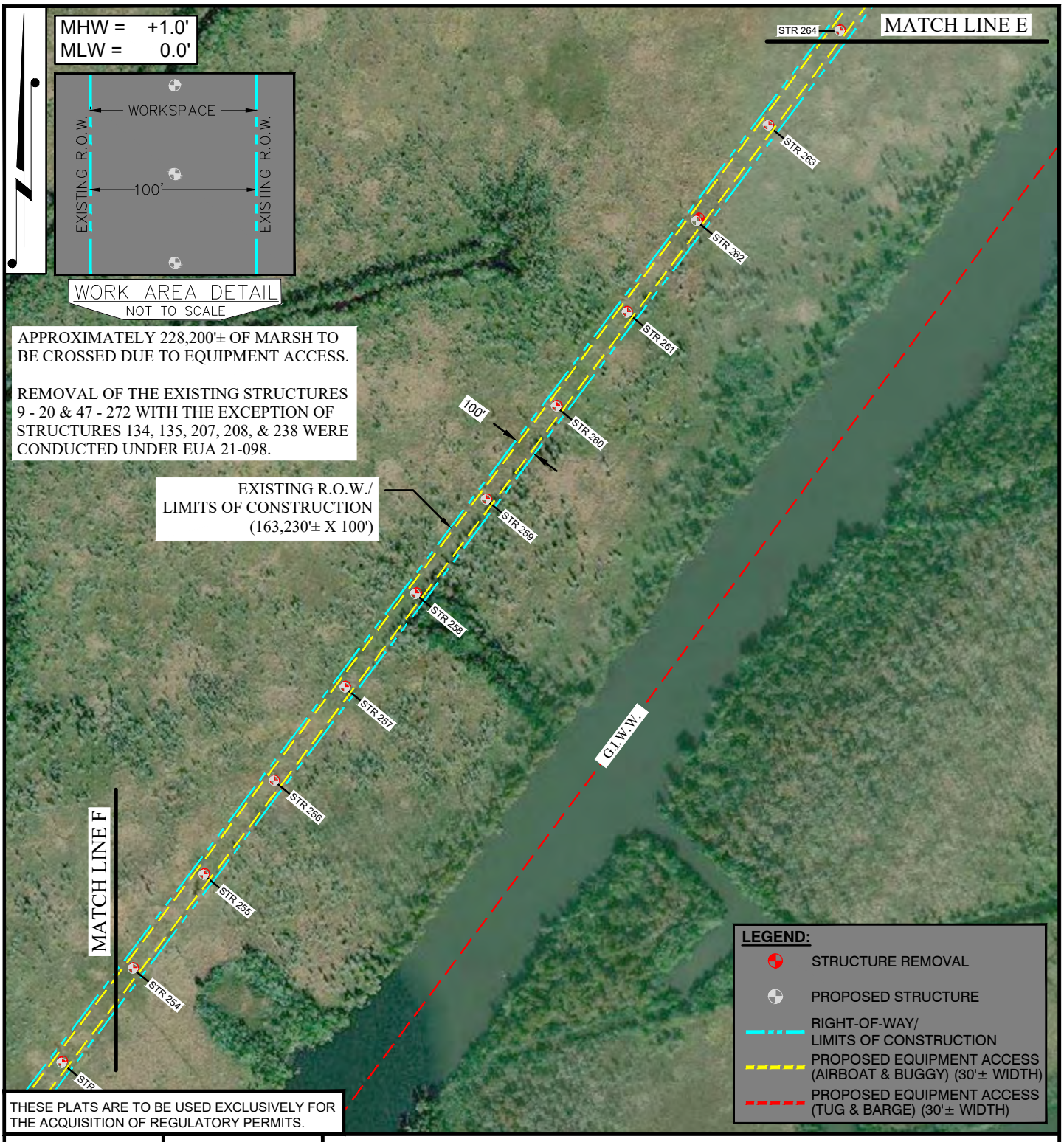
REV. NO:	REV. DATE:	REV. BY:
04	04/29/2022	SPM

REVISION DESCRIPTION:
ADDED STRUCTURES UNDER EUA.

4/29/2022 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 3_REV.DWG



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DATE:	07/06/2021	JOB NO:	2021.0252
DRAWING NAME:	210252P- 3_REV.DWG		
SHEET NO:	8	OF	41

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

SCALE: 1" = 600'

600' 300' 0' 600'

PLAN VIEW

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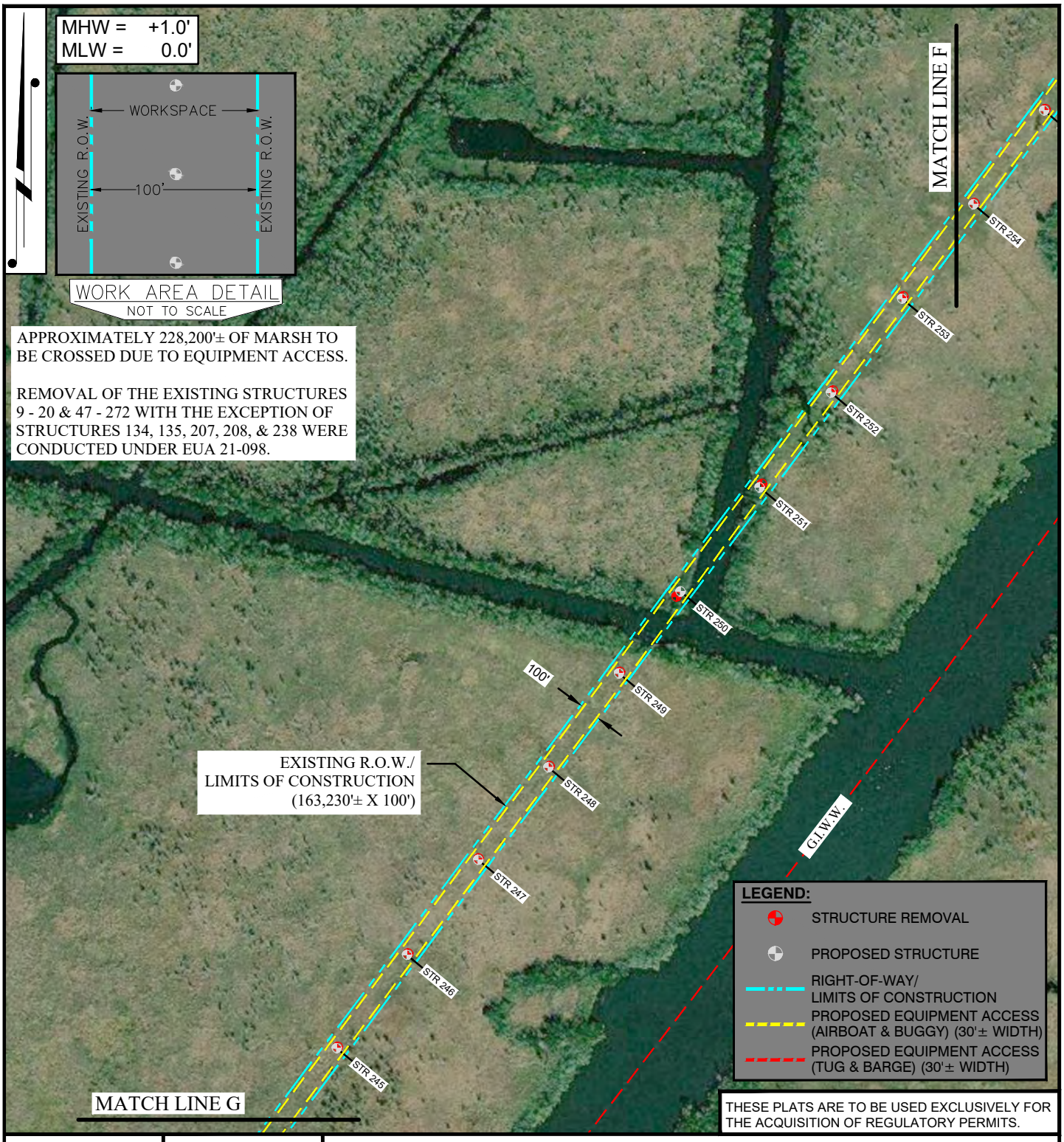

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DATE:	07/06/2021	JOB NO:	2021.0252
DRAWING NAME:	210252P- 3_REV.DWG		
SHEET NO:	9	OF	41

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
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ENTERGY LOUISIANA, LLC

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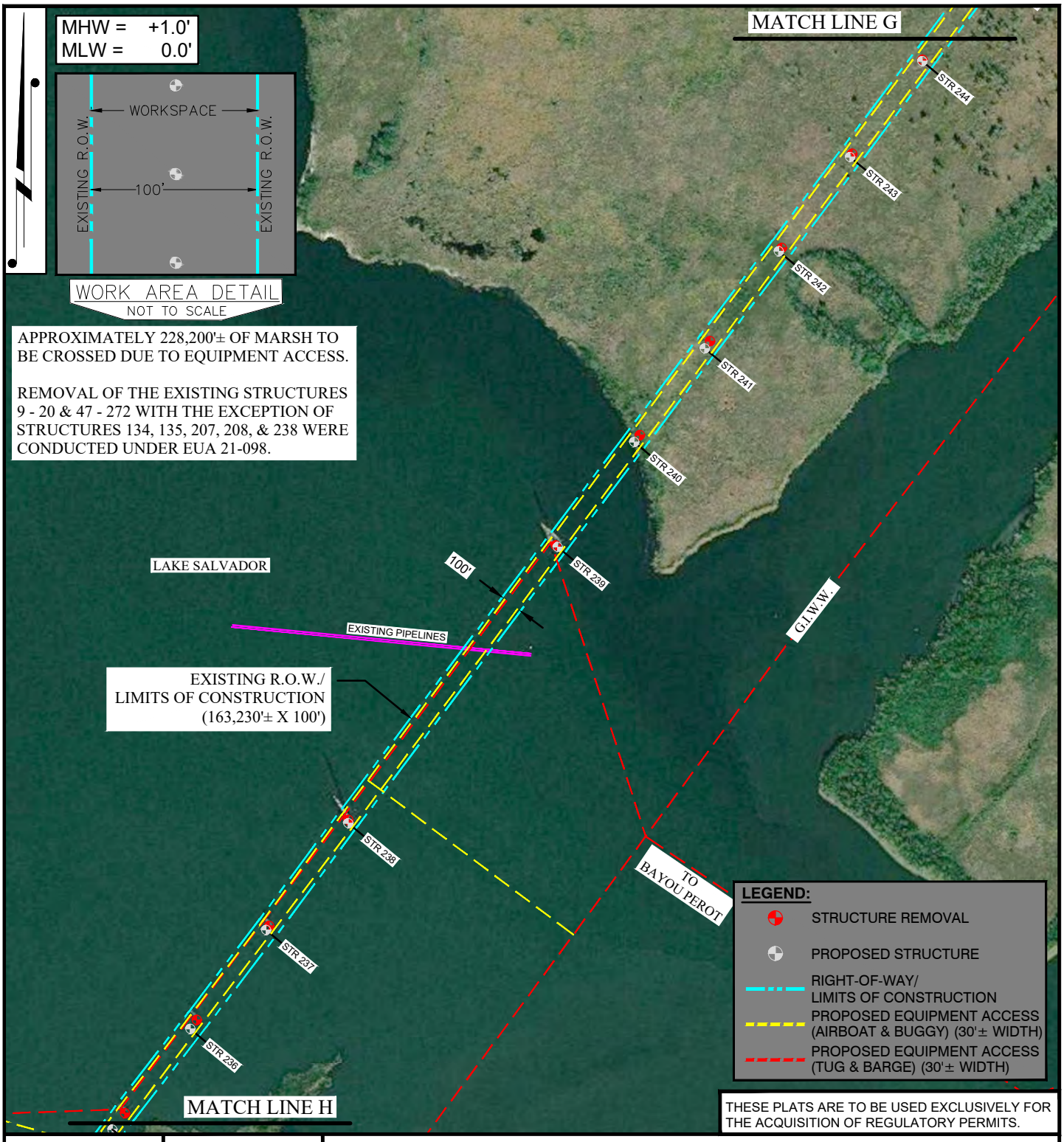

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DRAWN BY: SPM	APPROVED BY: MDT
DATE: 07/06/2021	JOB NO: 2021.0252
DRAWING NAME: 210252P- 3_REV.DWG	
SHEET NO: 10 OF 41	

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

SCALE: 1" = 600'

600' 300' 0' 600'

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ENTERGY LOUISIANA, LLC

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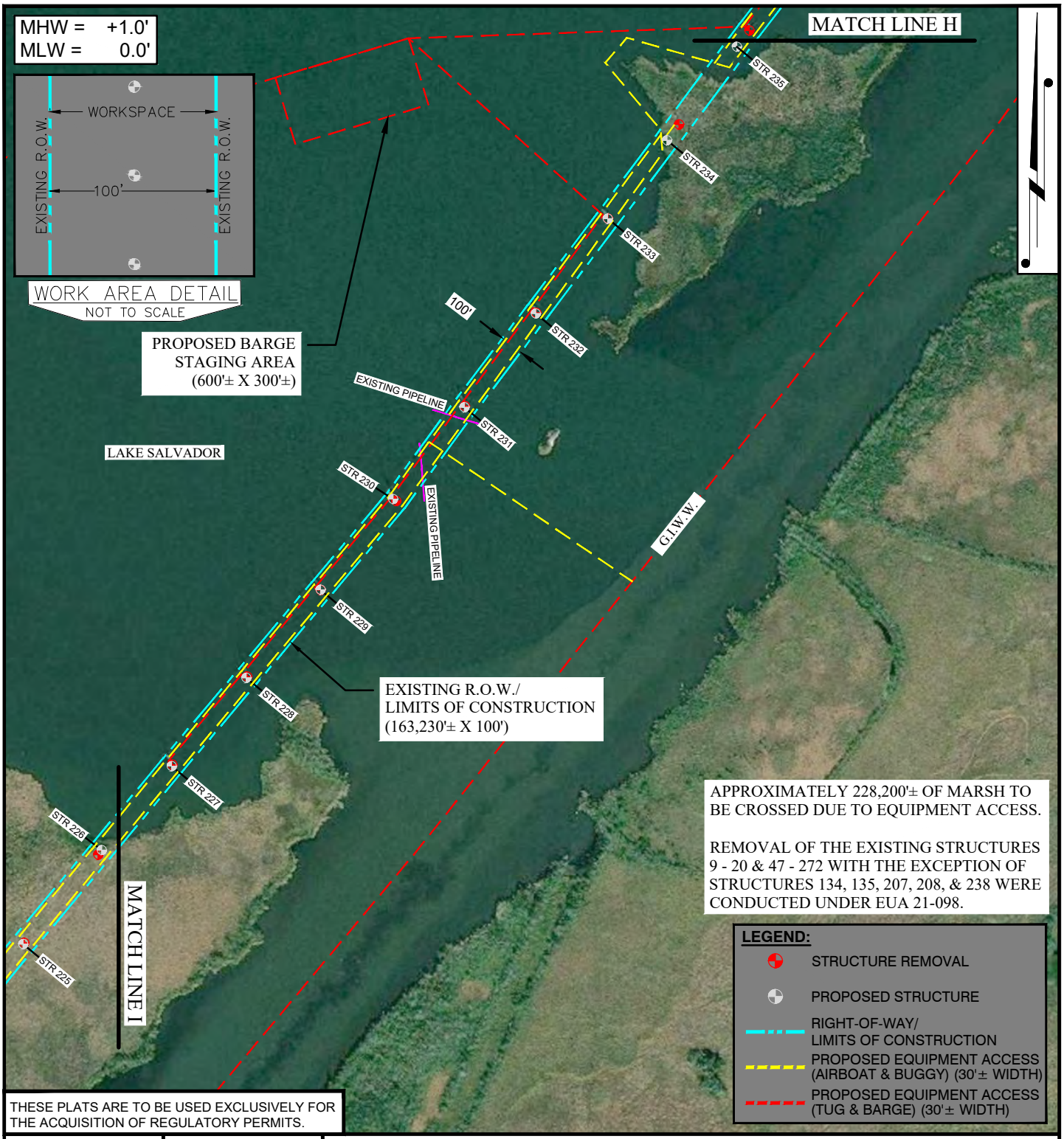

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DATE:	07/06/2021	JOB NO:	2021.0252
DRAWING NAME:	210252P- 3_REV.DWG		
SHEET NO:	11	OF	41

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
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SCALE: 1" = 600'

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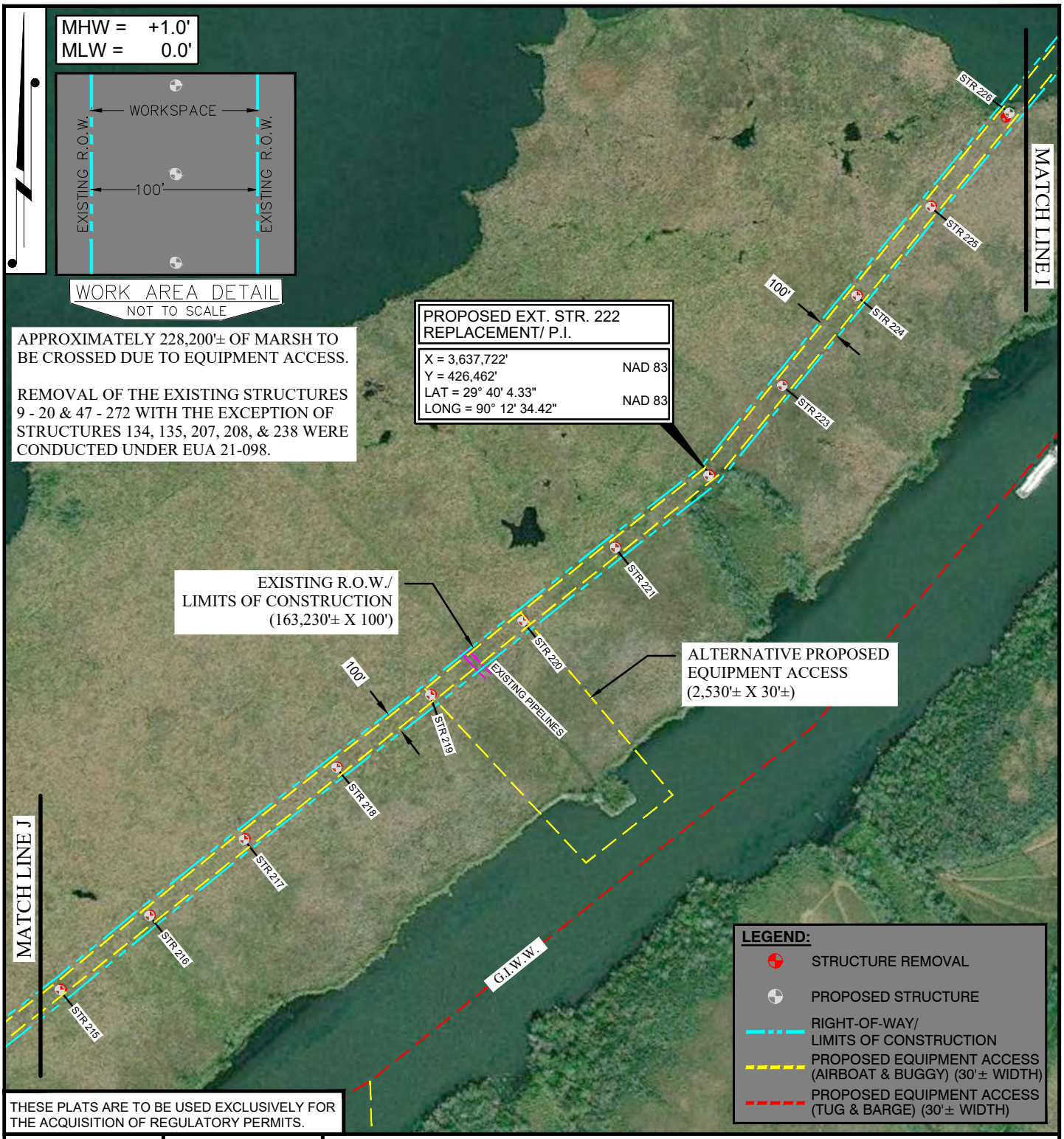

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DRAWING NAME:	210252P- 3_REV.DWG		
SHEET NO:	12	OF	41

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

SCALE: 1" = 600'

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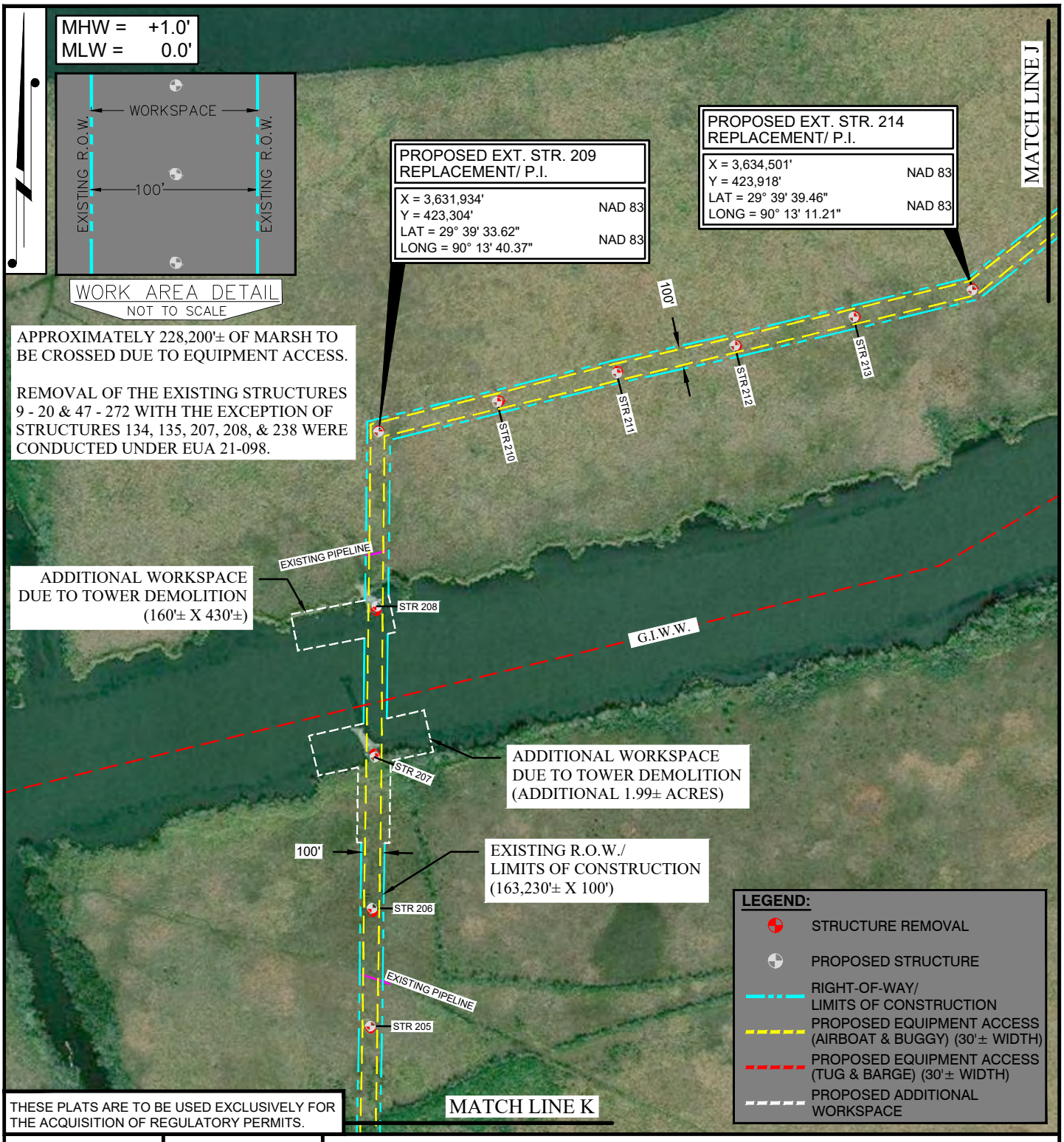

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SHEET NO:	13	OF	41

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
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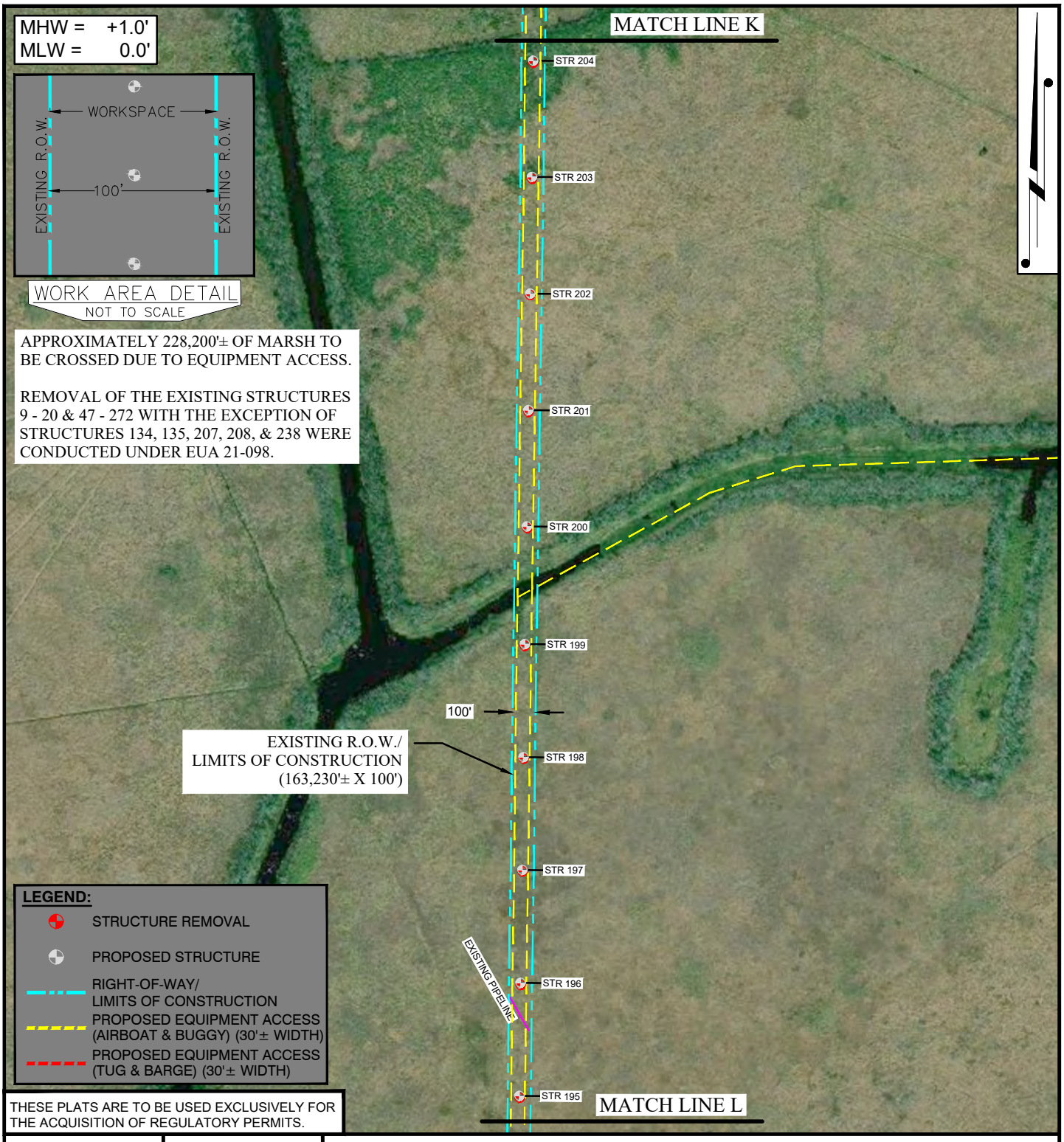

APPROXIMATELY 228,200'± OF MARSH TO BE CROSSED DUE TO EQUIPMENT ACCESS.

REMOVAL OF THE EXISTING STRUCTURES 9 - 20 & 47 - 272 WITH THE EXCEPTION OF STRUCTURES 134, 135, 207, 208, & 238 WERE CONDUCTED UNDER EUA 21-098.

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DATE:	07/06/2021	JOB NO:	2021.0252
DRAWING NAME:	210252P- 3_REV.DWG		
SHEET NO:	14	OF	41

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
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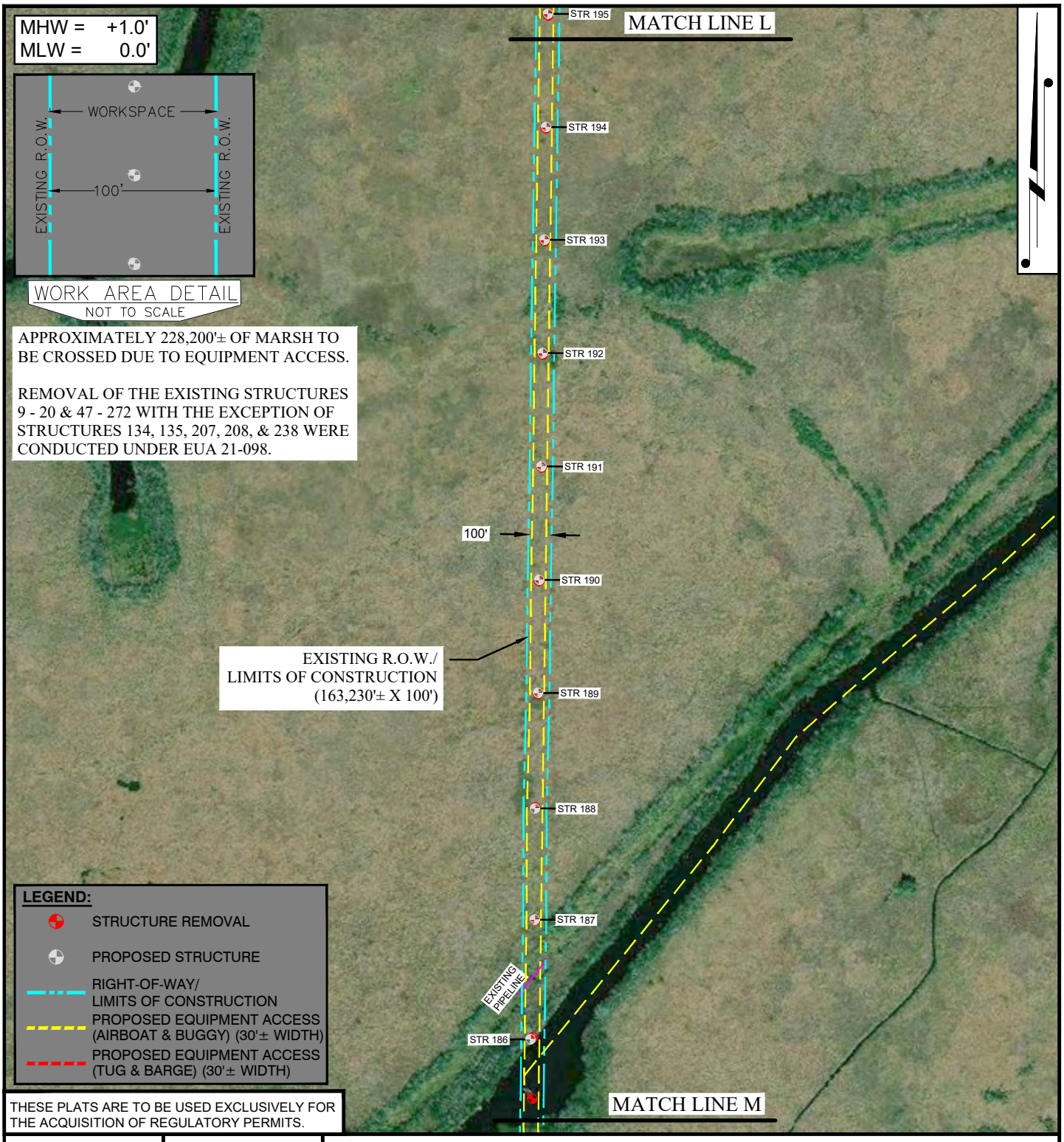

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DATE:	07/06/2021	JOB NO:	2021.0252
DRAWING NAME:	210252P- 3_REV.DWG		
SHEET NO:	15	OF	41

PROJECTION: LOUISIANA SOUTH ZONE
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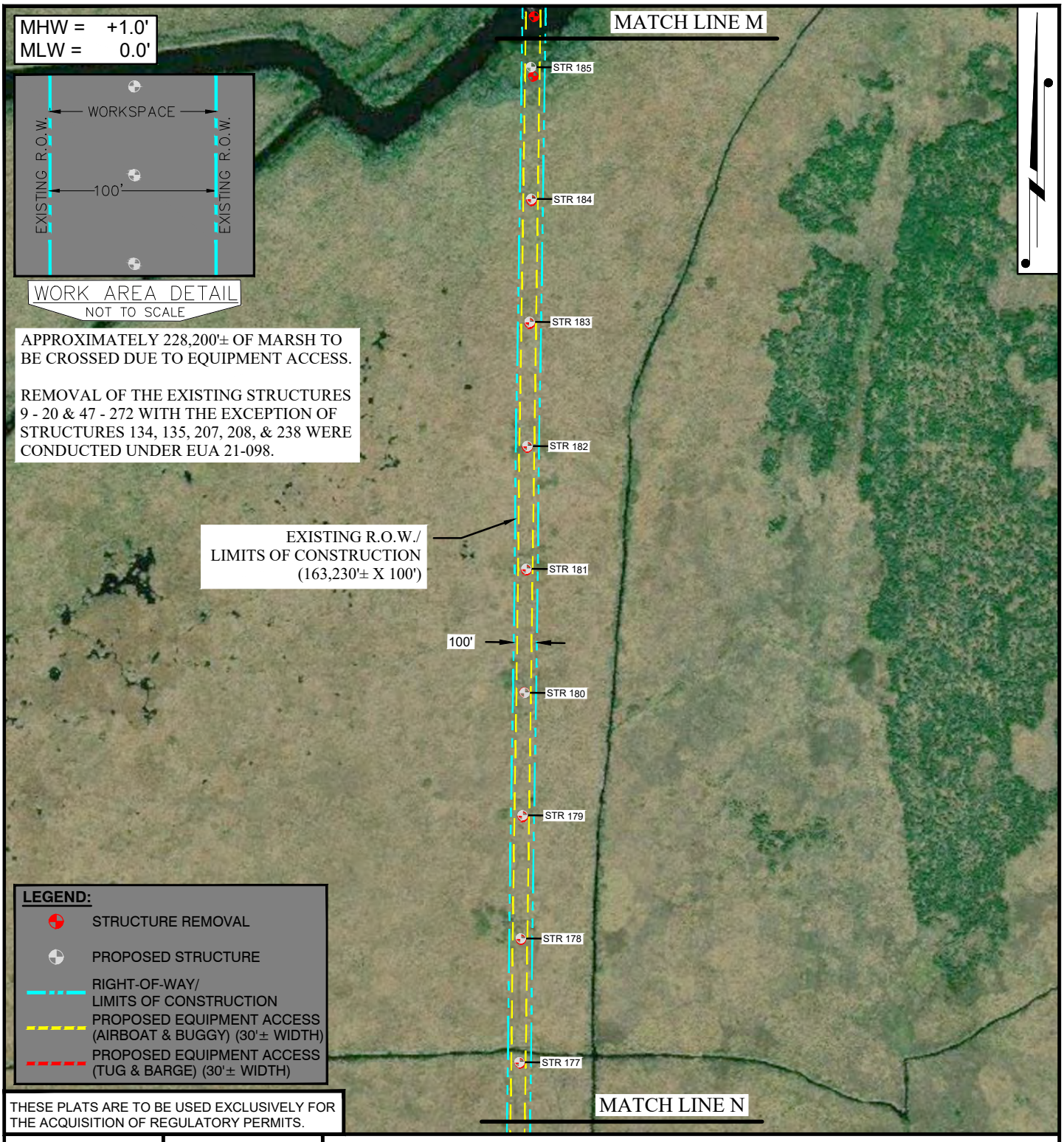

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DATE:	07/06/2021	JOB NO:	2021.0252
DRAWING NAME:	210252P- 3_REV.DWG		
SHEET NO:	16	OF	41

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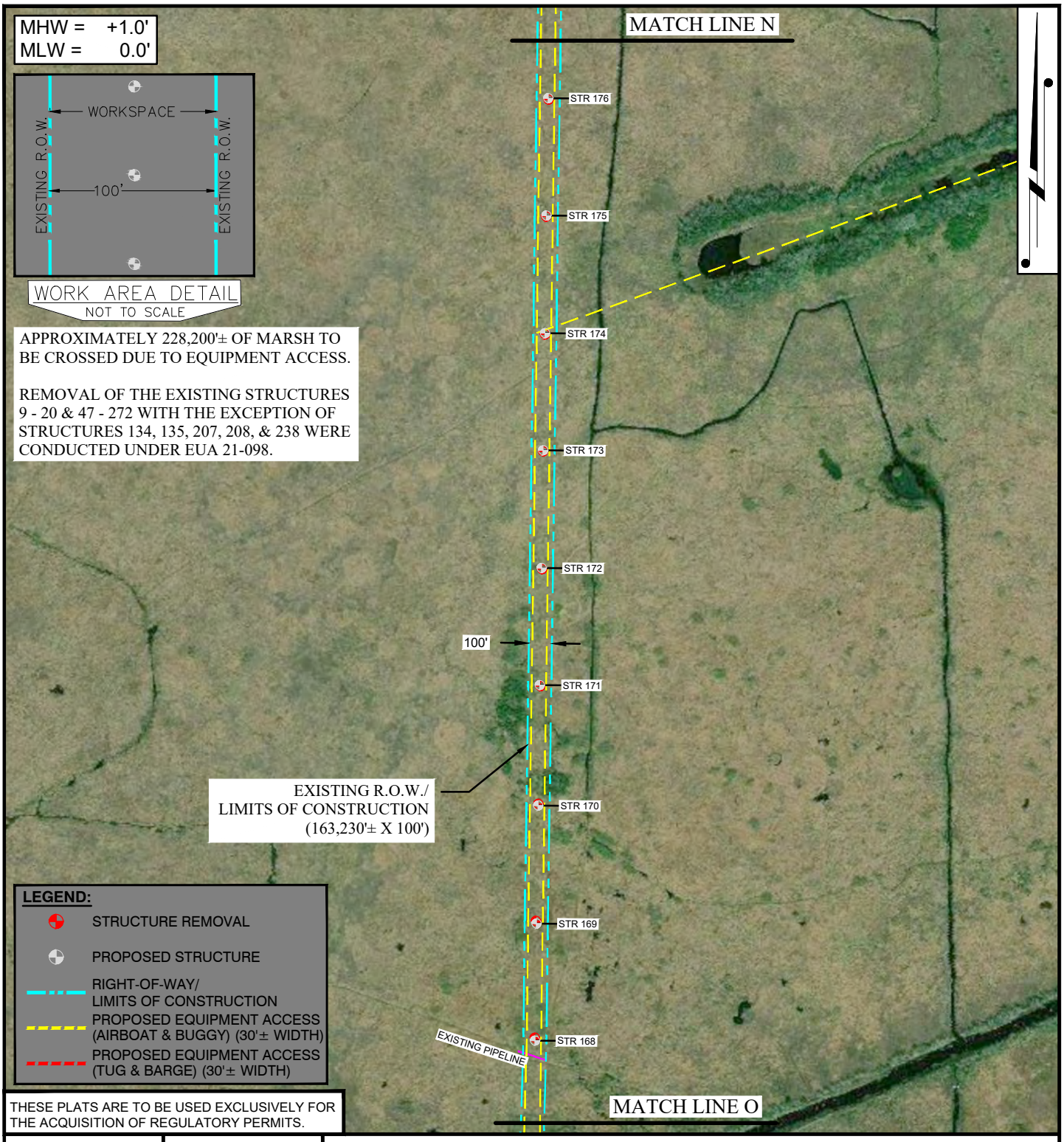

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DRAWING NAME:	210252P- 3_REV.DWG		
SHEET NO:	17	OF	41

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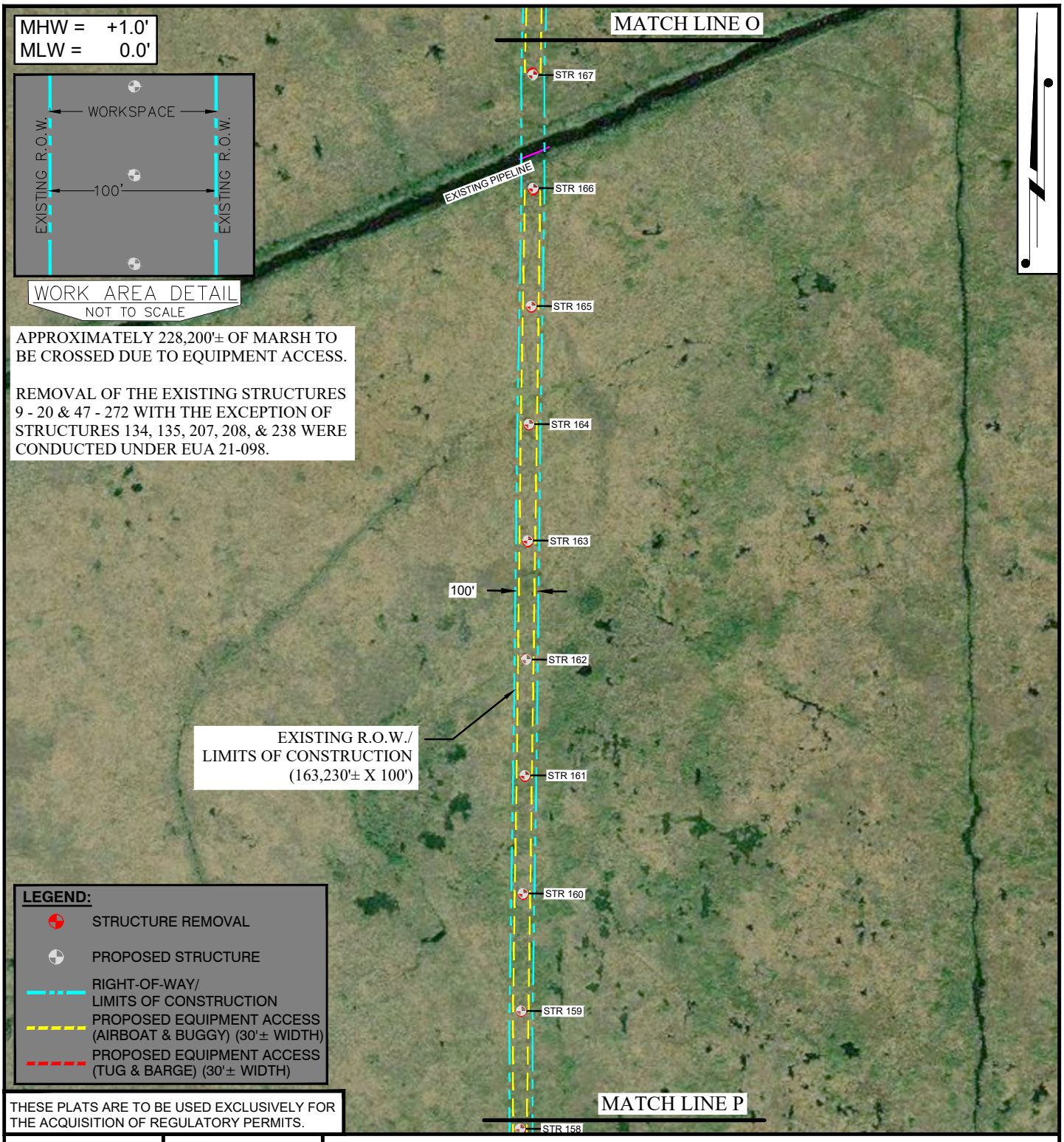

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DRAWING NAME:	210252P- 3_REV.DWG		
SHEET NO:	18	OF	41

PROJECTION: LOUISIANA SOUTH ZONE
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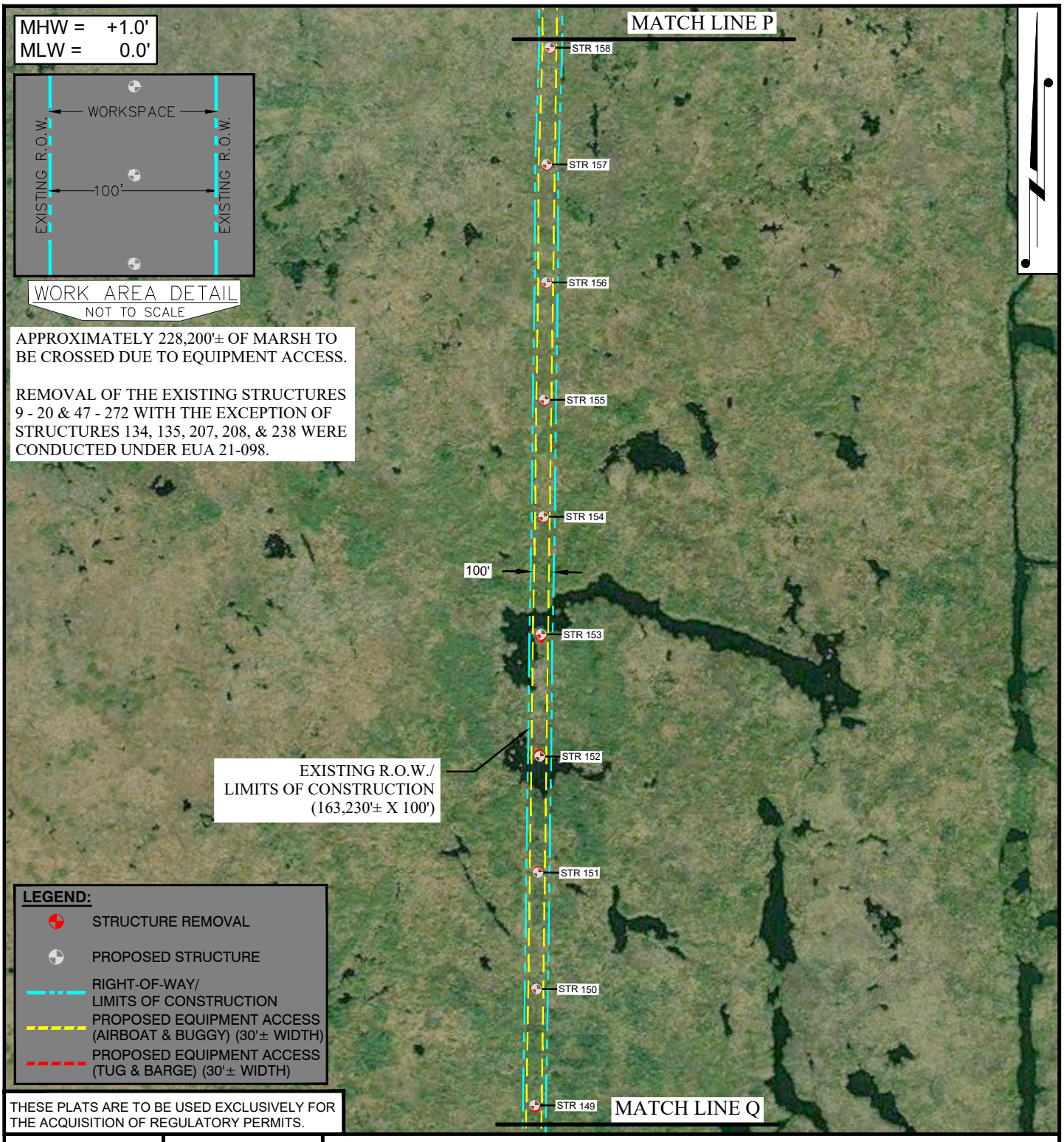

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DATE:	07/06/2021	JOB NO:	2021.0252
DRAWING NAME:	210252P- 3_REV.DWG		
SHEET NO:	19	OF	41

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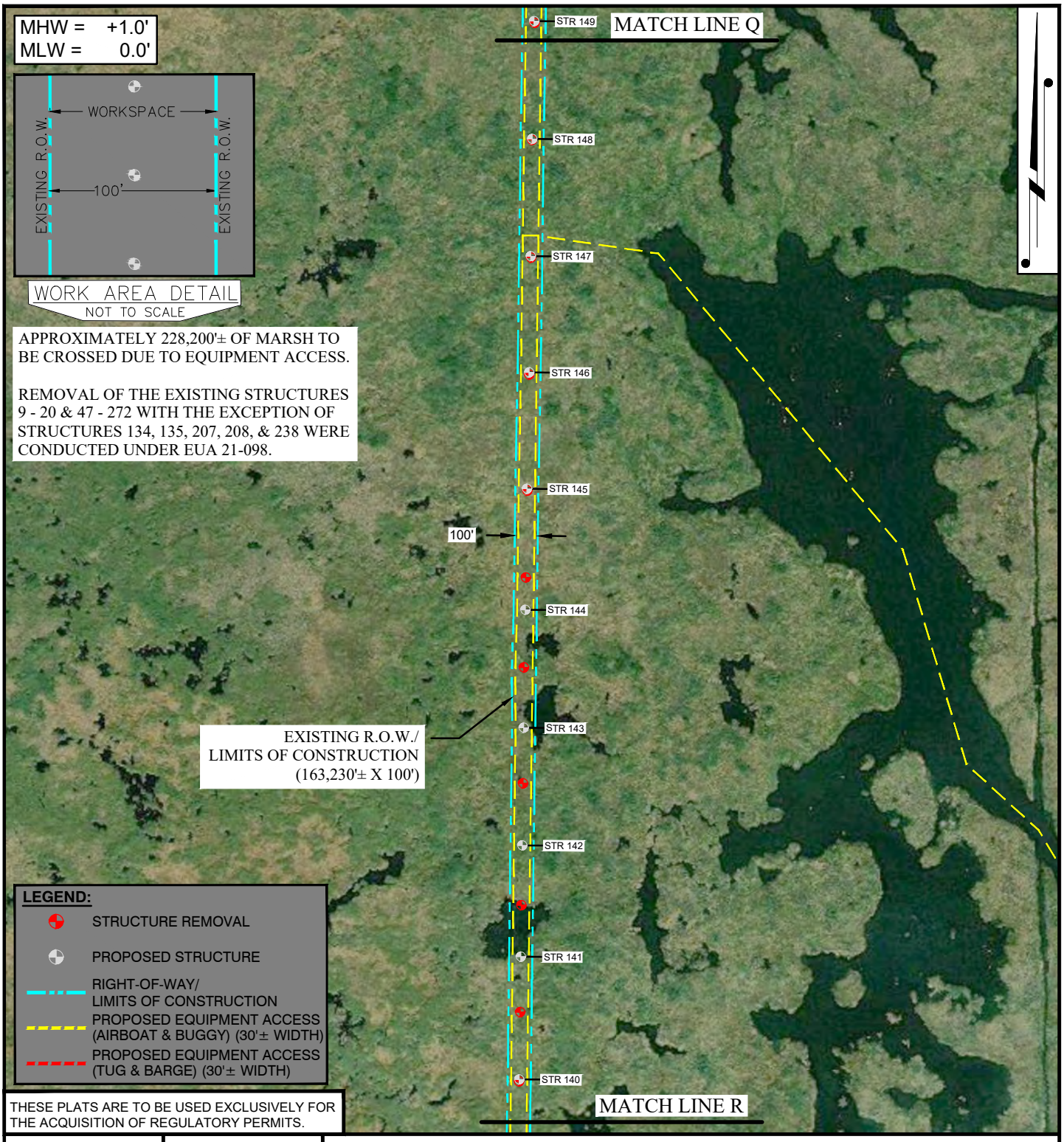

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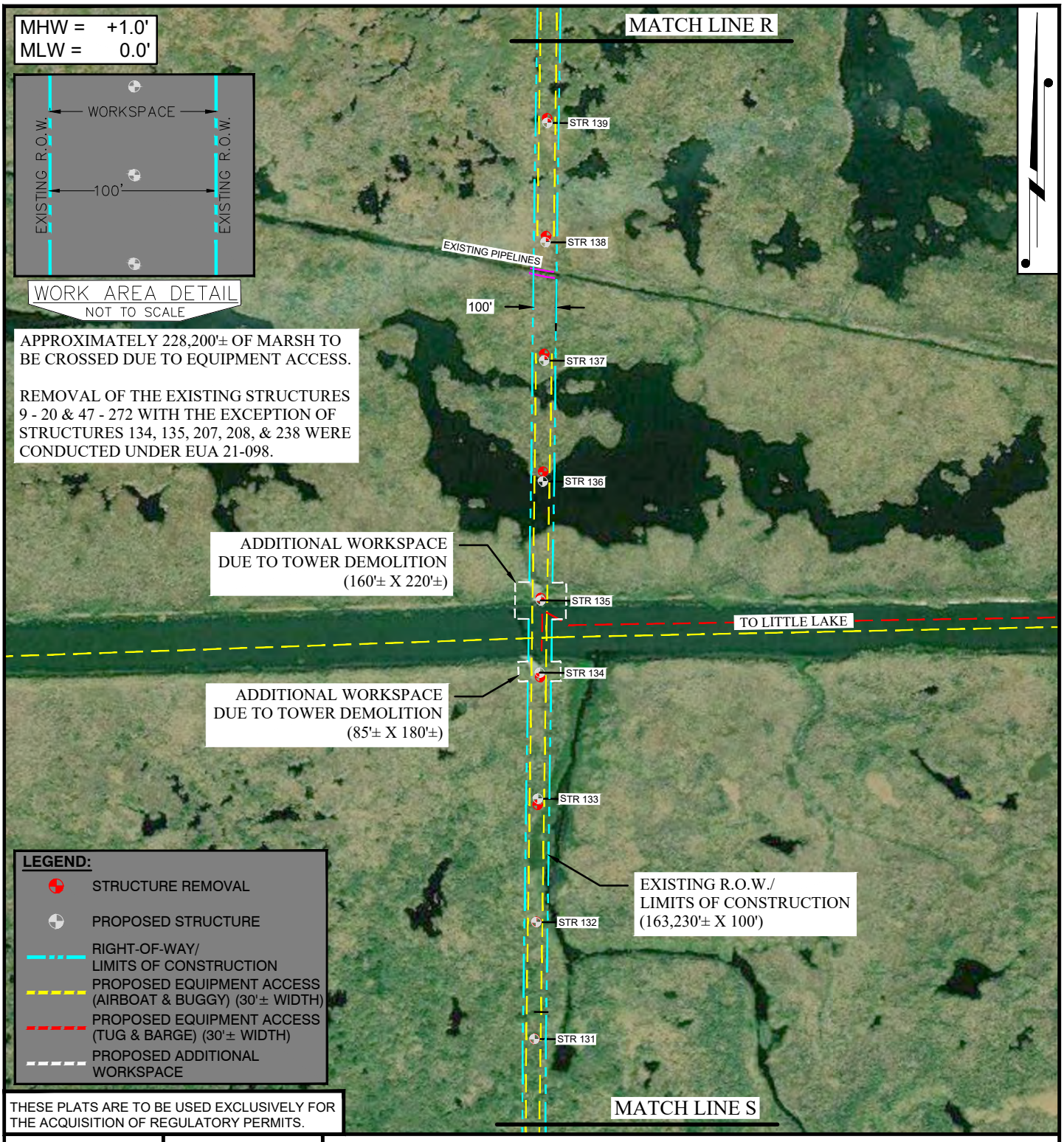
REV. NO:	04	REV. DATE:	04/29/2022	REV. BY:	SPM

REVISION DESCRIPTION:
ADDED STRUCTURES UNDER EUA.

4/29/2022 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 3_REV.DWG



THESE PLATS ARE TO BE USED EXCLUSIVELY FOR THE ACQUISITION OF REGULATORY PERMITS.

DRAWN BY:	SPM	APPROVED BY:	MDT
DATE:	07/06/2021	JOB NO:	2021.0252
DRAWING NAME:	210252P- 3_REV.DWG		
SHEET NO:	21	OF	41

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

SCALE: 1" = 600'

600' 300' 0' 600'

PLAN VIEW

ENTERGY LOUISIANA, LLC

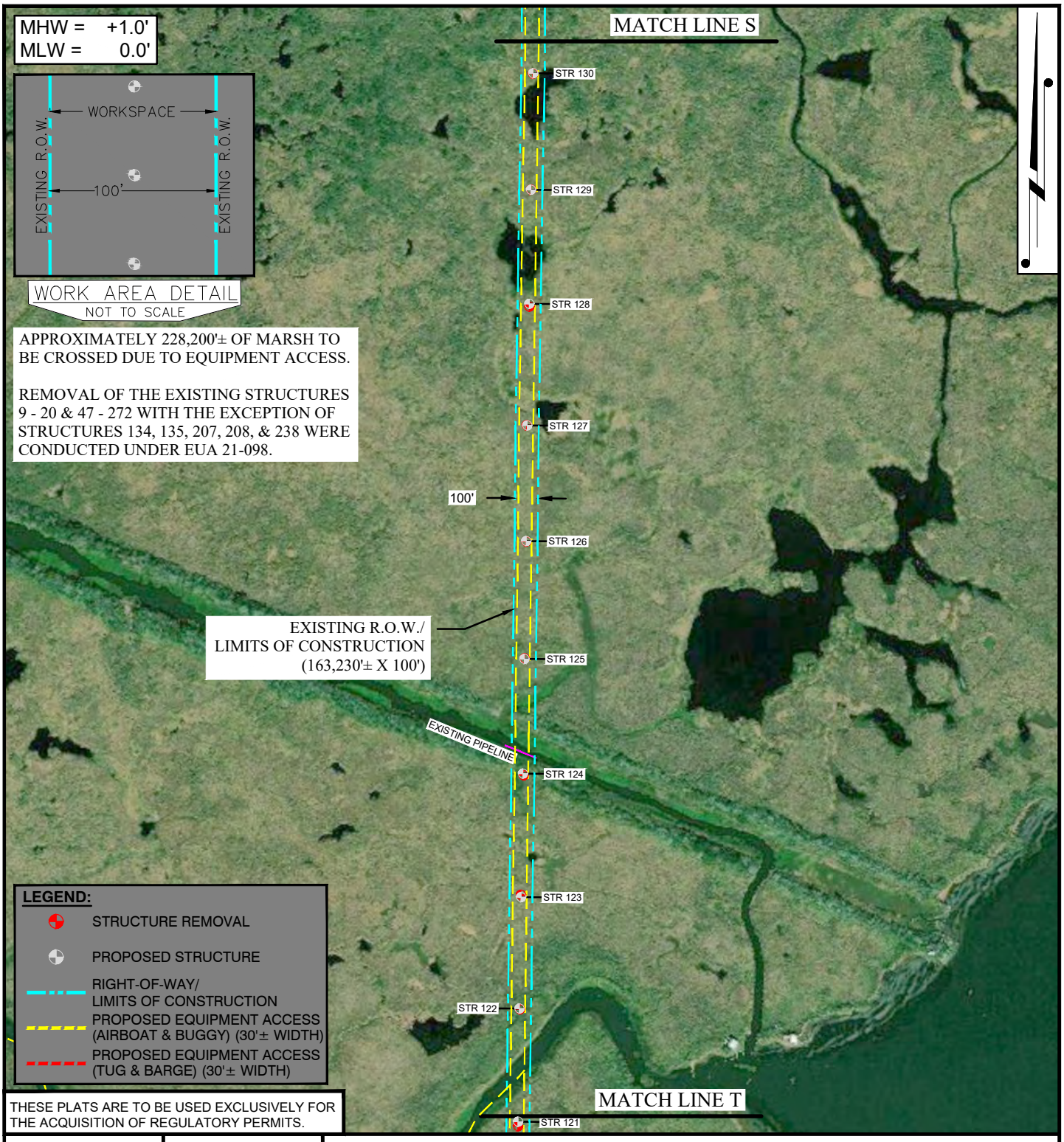
PROPOSED REMOVAL/REPLACEMENT OF EXISTING STRUCTURES ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE
LAFOURCHE & JEFFERSON PARISHES, LOUISIANA

T. BAKER SMITH
A CENTURY OF SOLUTIONS
412 South Van Ave, Houma, LA 70363
(985)868-1666 - tbsmith.com

REV. NO:	05	REV. DATE:	07/18/2022	REV. BY:	SPM

REVISION DESCRIPTION:
ADDED TOWER DEMOLITION WORKSPACES.

7/21/2022 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 3_REV.DWG



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DRAWN BY:	SPM	APPROVED BY:	MDT
DATE:	07/06/2021	JOB NO:	2021.0252
DRAWING NAME:	210252P- 3_REV.DWG		
SHEET NO:	22	OF	41

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

SCALE: 1" = 600'

600' 300' 0' 600'

PLAN VIEW

ENTERGY LOUISIANA, LLC

PROPOSED REMOVAL/REPLACEMENT OF EXISTING STRUCTURES ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE
LAFOURCHE & JEFFERSON PARISHES, LOUISIANA

T. BAKER SMITH
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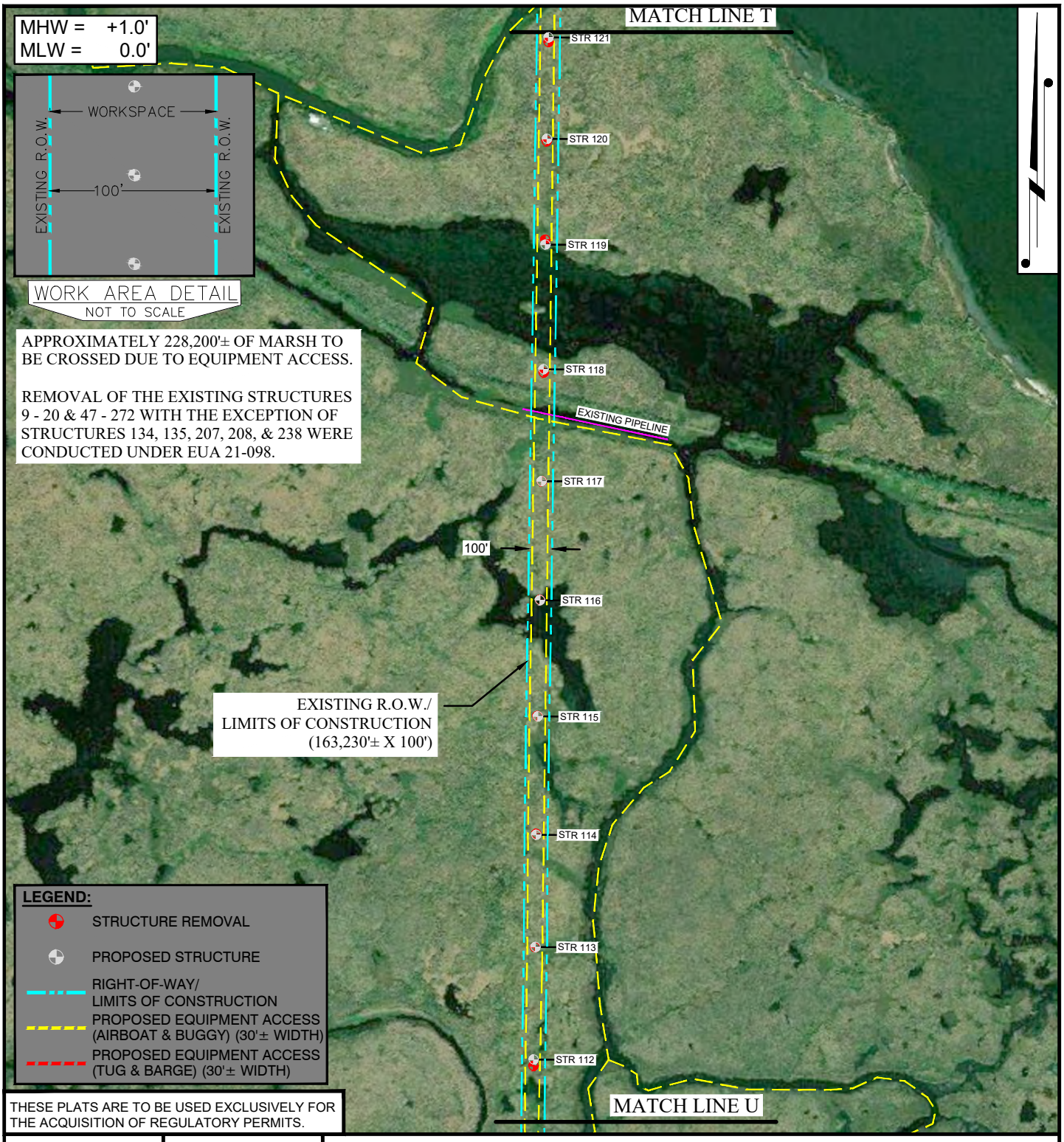
(985)868-1666 - tbsmith.com

REV. NO:	04	REV. DATE:	04/29/2022	REV. BY:	SPM

REVISION DESCRIPTION:
ADDED STRUCTURES UNDER EUA.

4/29/2022 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 3_REV.DWG



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DRAWN BY:	SPM	APPROVED BY:	MDT
DATE:	07/06/2021	JOB NO:	2021.0252
DRAWING NAME:	210252P- 3_REV.DWG		
SHEET NO:	23	OF	41

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

SCALE: 1" = 600'

600' 300' 0' 600'

PLAN VIEW

ENTERGY LOUISIANA, LLC

PROPOSED REMOVAL/REPLACEMENT OF EXISTING STRUCTURES ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE
LAFOURCHE & JEFFERSON PARISHES, LOUISIANA

T. BAKER SMITH
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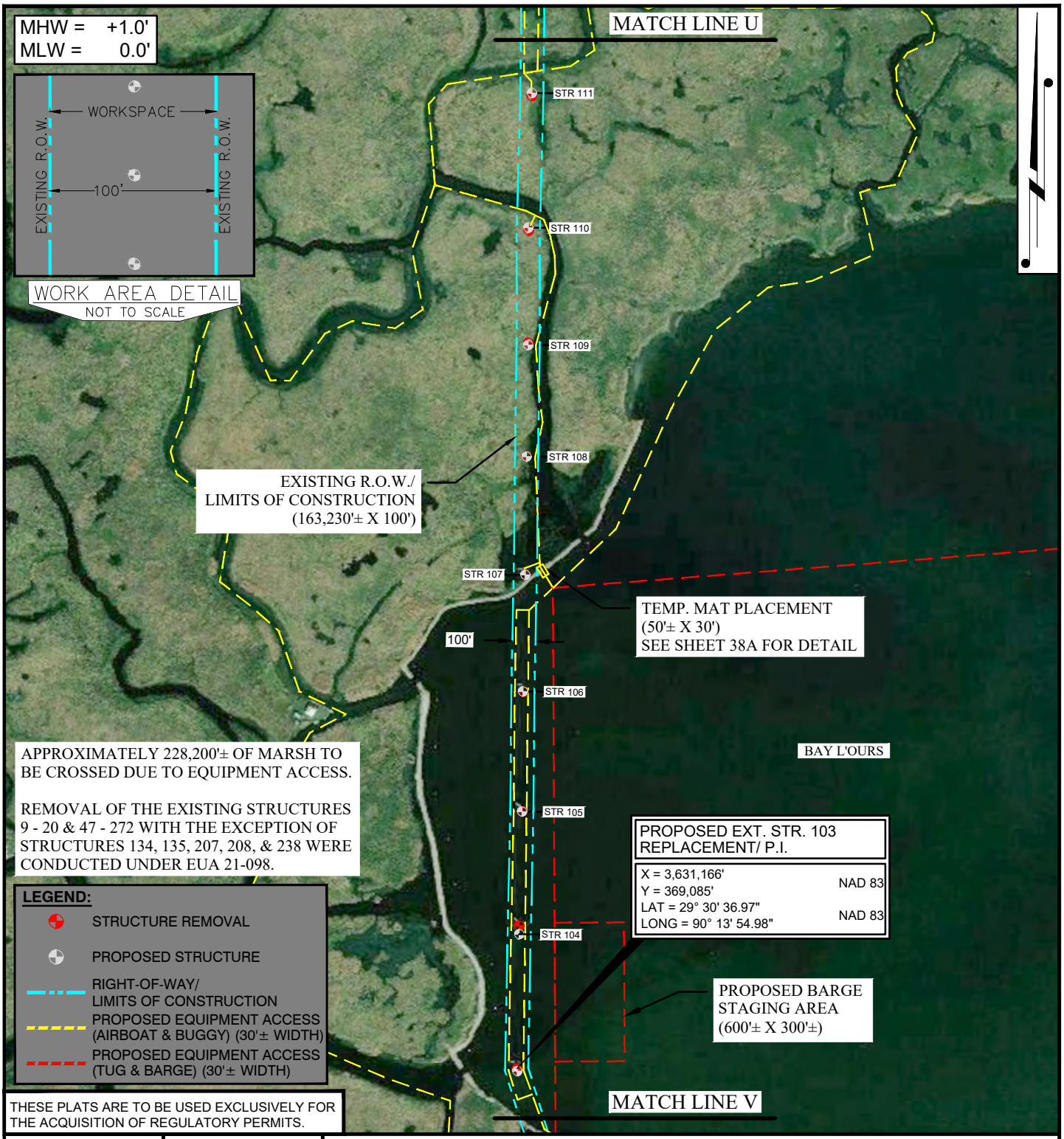
REV. NO:	04	REV. DATE:	04/29/2022	REV. BY:	SPM

REVISION DESCRIPTION:
ADDED STRUCTURES UNDER EUA.

4/29/2022 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 3_REV.DWG



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DRAWN BY:	SPM	APPROVED BY:	MDT
DATE:	07/06/2021	JOB NO:	2021.0252
DRAWING NAME:	210252P- 3_REV.DWG		
SHEET NO:	24	OF	41

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

SCALE: 1" = 600'

600' 300' 0' 600'

PLAN VIEW

ENTERGY LOUISIANA, LLC

PROPOSED REMOVAL/REPLACEMENT OF EXISTING STRUCTURES ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE
LAFOURCHE & JEFFERSON PARISHES, LOUISIANA

T. BAKER SMITH
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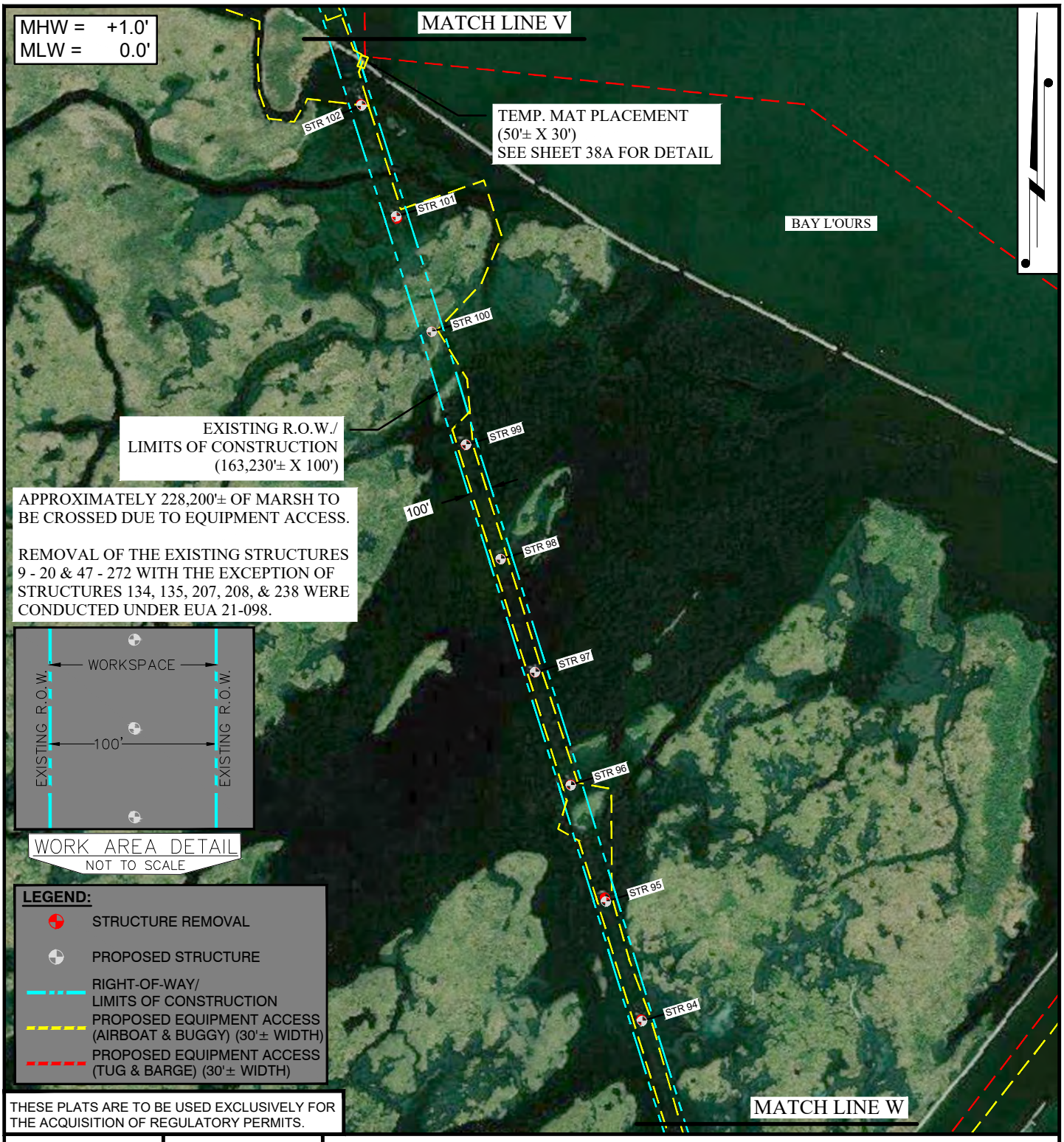
412 South Van Ave, Houma, LA 70363
(985)868-1666 - tbsmith.com

REV. NO:	REV. DATE:	REV. BY:
05	04/29/2022	SPM

REVISION DESCRIPTION:
ADDED STRUCTURES UNDER EUA.

4/29/2022 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 3_REV.DWG



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DRAWN BY:	SPM	APPROVED BY:	MDT
DATE:	07/06/2021	JOB NO:	2021.0252
DRAWING NAME:	210252P- 3_REV.DWG		
SHEET NO:	25	OF	41

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

SCALE: 1" = 600'

600' 300' 0' 600'

PLAN VIEW

ENTERGY LOUISIANA, LLC

PROPOSED REMOVAL/REPLACEMENT OF EXISTING STRUCTURES ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE
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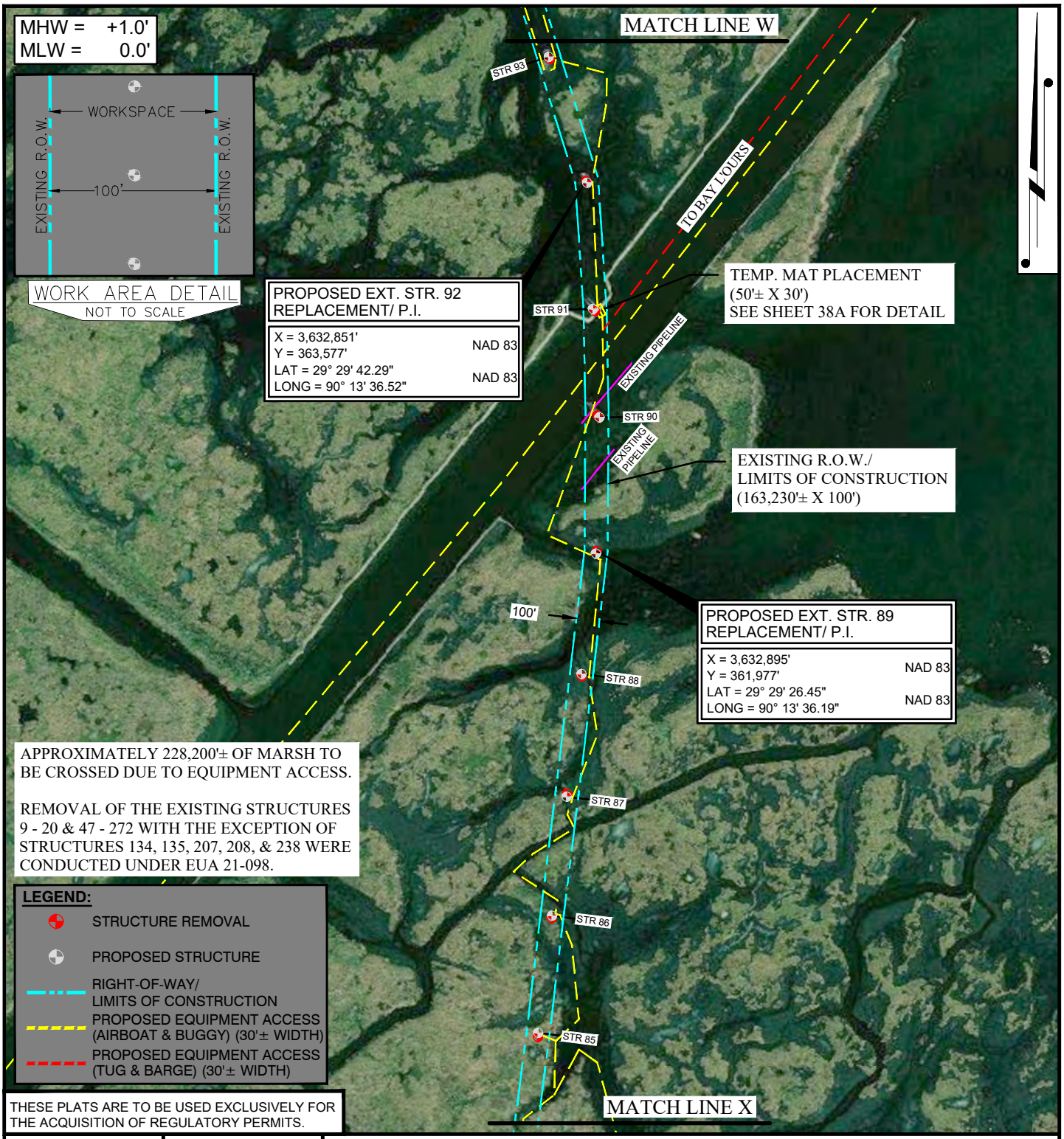
REV. NO:	05	REV. DATE:	04/29/2022	REV. BY:	SPM

REVISION DESCRIPTION:
ADDED STRUCTURES UNDER EUA.

4/29/2022 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 3_REV.DWG



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DRAWN BY:	SPM	APPROVED BY:	MDT
DATE:	07/06/2021	JOB NO:	2021.0252
DRAWING NAME:	210252P- 3_REV.DWG		
SHEET NO:	26	OF	41

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

SCALE: 1" = 600'

600' 300' 0' 600'

PLAN VIEW

ENTERGY LOUISIANA, LLC

PROPOSED REMOVAL/REPLACEMENT OF EXISTING STRUCTURES ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE
LAFOURCHE & JEFFERSON PARISHES, LOUISIANA

T. BAKER SMITH
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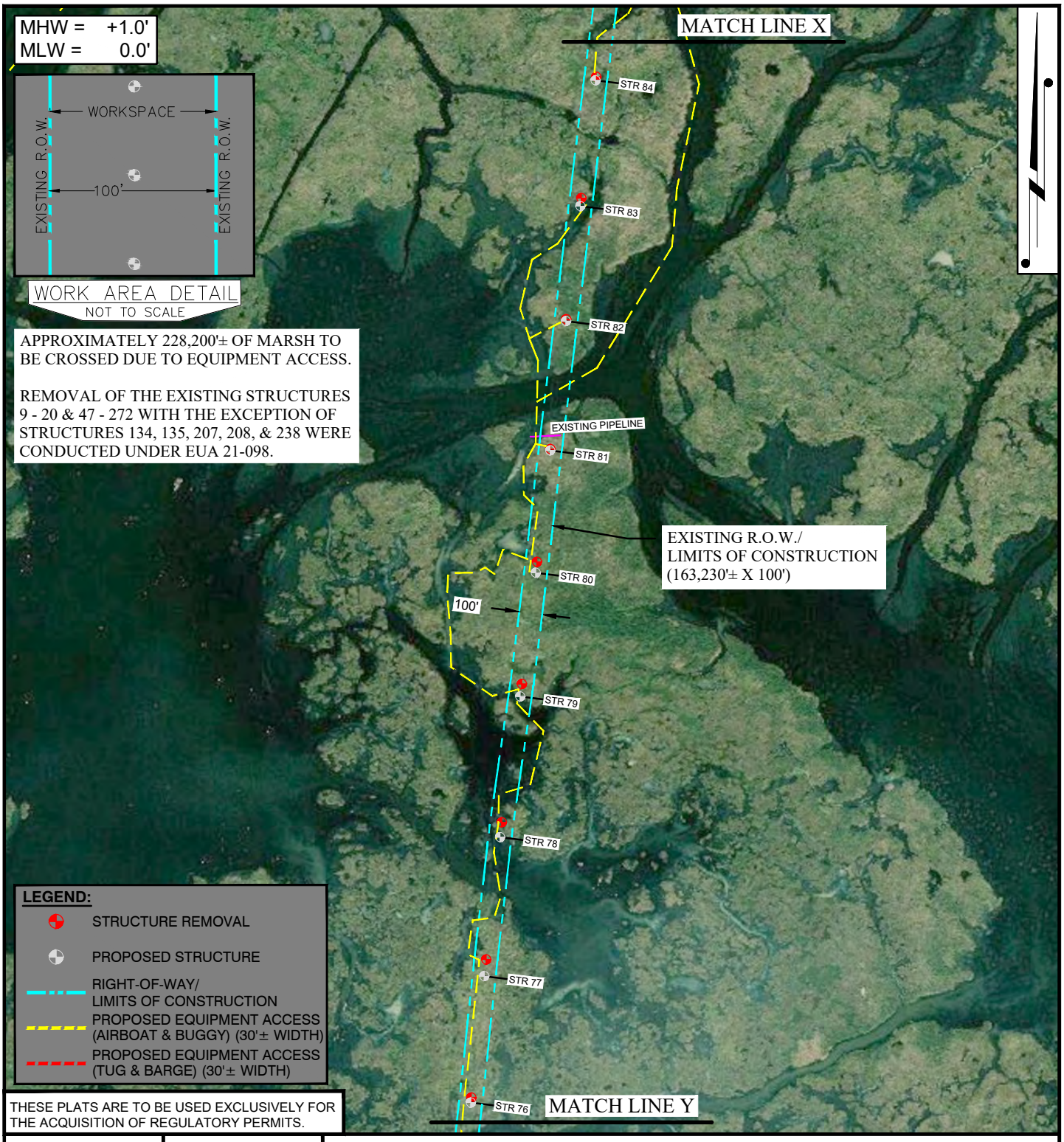
(985)868-1868 - tbsmith.com

REV. NO:	04	REV. DATE:	04/29/2022	REV. BY:	SPM

REVISION DESCRIPTION:
ADDED STRUCTURES UNDER EUA.

4/29/2022 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 3_REV.DWG



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DRAWN BY:	SPM	APPROVED BY:	MDT
DATE:	07/06/2021	JOB NO:	2021.0252
DRAWING NAME:	210252P- 3_REV.DWG		
SHEET NO:	27	OF	41

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

SCALE: 1" = 600'

600' 300' 0' 600'

PLAN VIEW

ENTERGY LOUISIANA, LLC

PROPOSED REMOVAL/REPLACEMENT OF EXISTING STRUCTURES ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE
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REV. NO:	04	REV. DATE:	04/29/2022	REV. BY:	SPM

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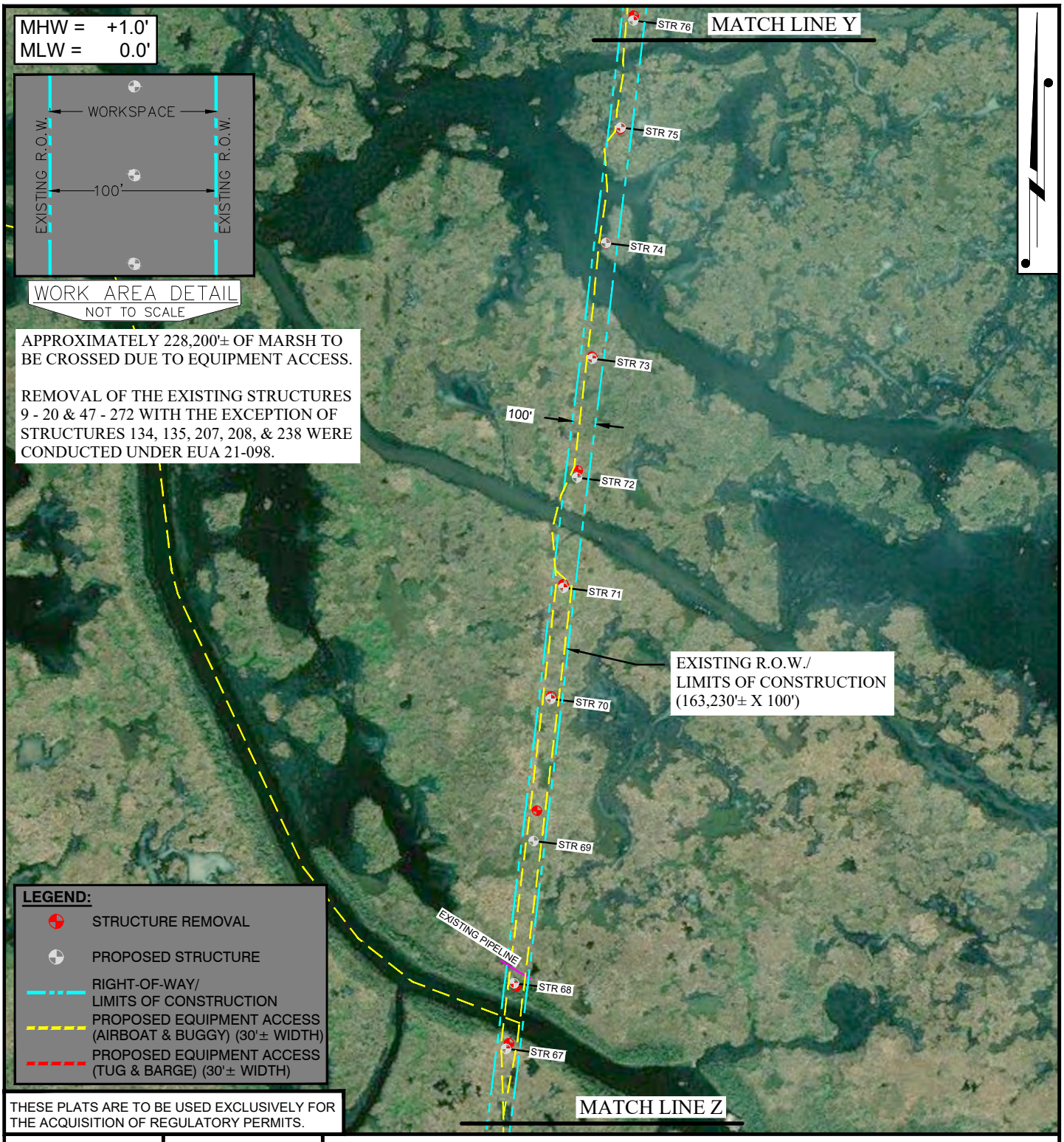
4/29/2022 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 3_REV.DWG



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DRAWN BY:	SPM	APPROVED BY:	MDT
DATE:	07/06/2021	JOB NO:	2021.0252
DRAWING NAME:	210252P- 3_REV.DWG		
SHEET NO:	28	OF	41

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

SCALE: 1" = 600'

600' 300' 0' 600'

PLAN VIEW

ENTERGY LOUISIANA, LLC

PROPOSED REMOVAL/REPLACEMENT OF EXISTING STRUCTURES ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE
LAFOURCHE & JEFFERSON PARISHES, LOUISIANA

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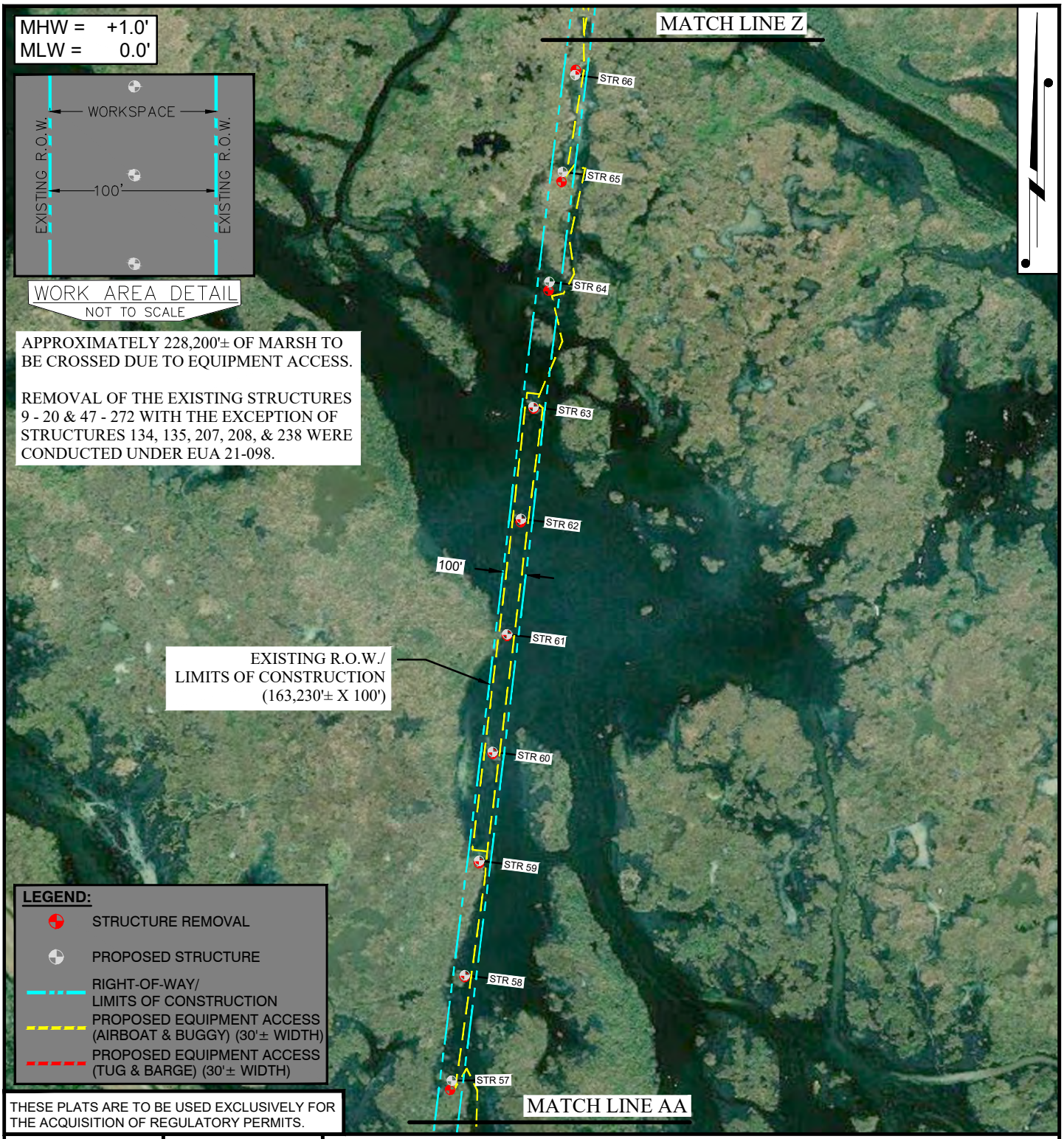
REV. NO:	04	REV. DATE:	04/29/2022	REV. BY:	SPM

REVISION DESCRIPTION:
ADDED STRUCTURES UNDER EUA.

4/29/2022 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 3_REV.DWG



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DRAWN BY:	SPM	APPROVED BY:	MDT
DATE:	07/06/2021	JOB NO:	2021.0252
DRAWING NAME:	210252P- 3_REV.DWG		
SHEET NO:	29	OF	41

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

SCALE: 1" = 600'

600' 300' 0' 600'

PLAN VIEW

ENTERGY LOUISIANA, LLC

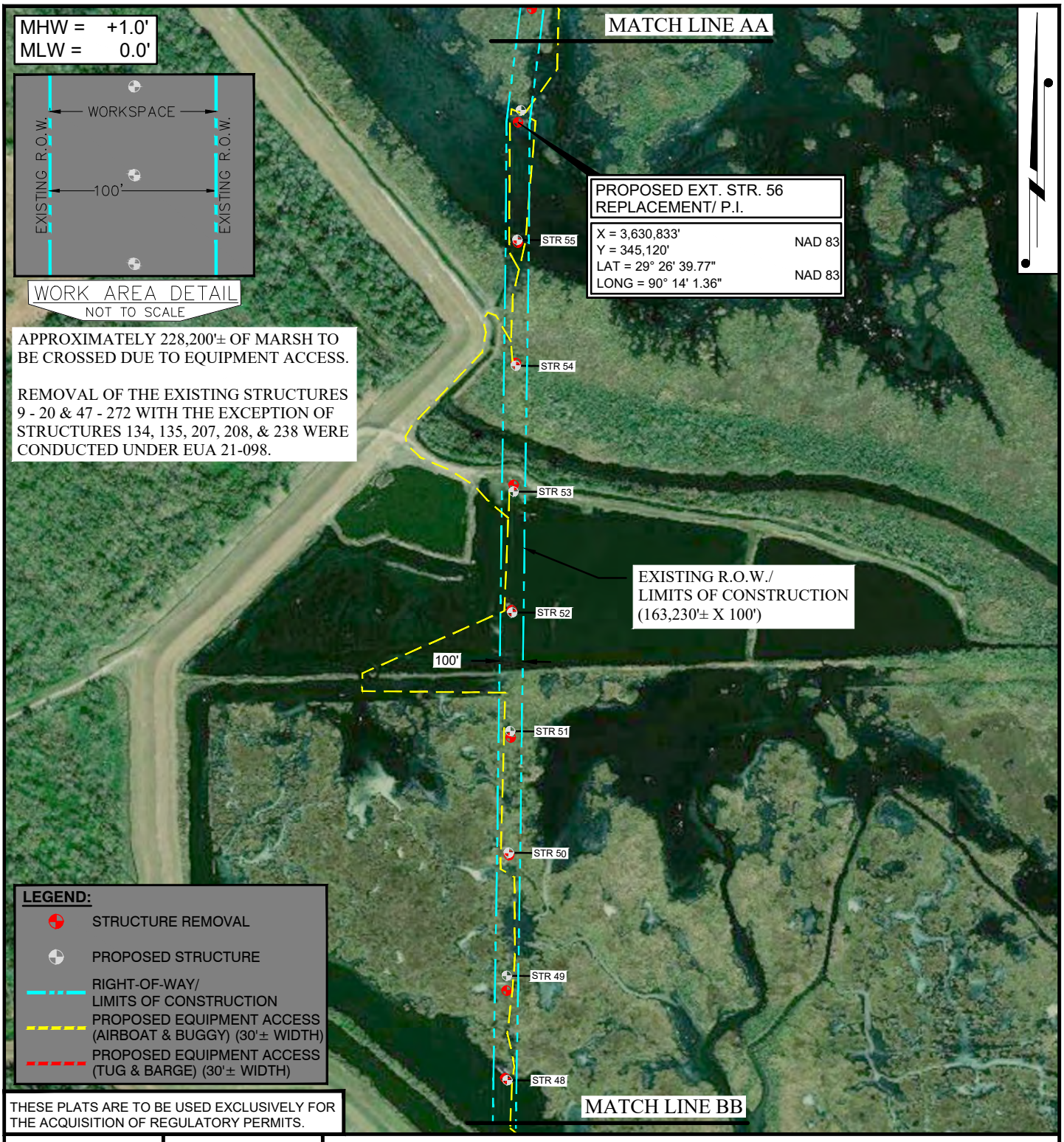
PROPOSED REMOVAL/REPLACEMENT OF EXISTING STRUCTURES ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE
LAFOURCHE & JEFFERSON PARISHES, LOUISIANA

T. BAKER SMITH
A CENTURY OF SOLUTIONS
412 South Van Ave, Houma, LA 70363
(985)868-1666 - tbsmith.com

REV. NO:	04	REV. DATE:	04/29/2022	REV. BY:	SPM

REVISION DESCRIPTION:
ADDED STRUCTURES UNDER EUA.

4/29/2022 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 3_REV.DWG



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DRAWN BY:	SPM	APPROVED BY:	MDT
DATE:	07/06/2021	JOB NO:	2021.0252
DRAWING NAME:	210252P- 3_REV.DWG		
SHEET NO:	30	OF	41

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

SCALE: 1" = 600'

600' 300' 0' 600'

PLAN VIEW

ENTERGY LOUISIANA, LLC

PROPOSED REMOVAL/REPLACEMENT OF EXISTING STRUCTURES ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE LAFOURCHE & JEFFERSON PARISHES, LOUISIANA

T. BAKER SMITH
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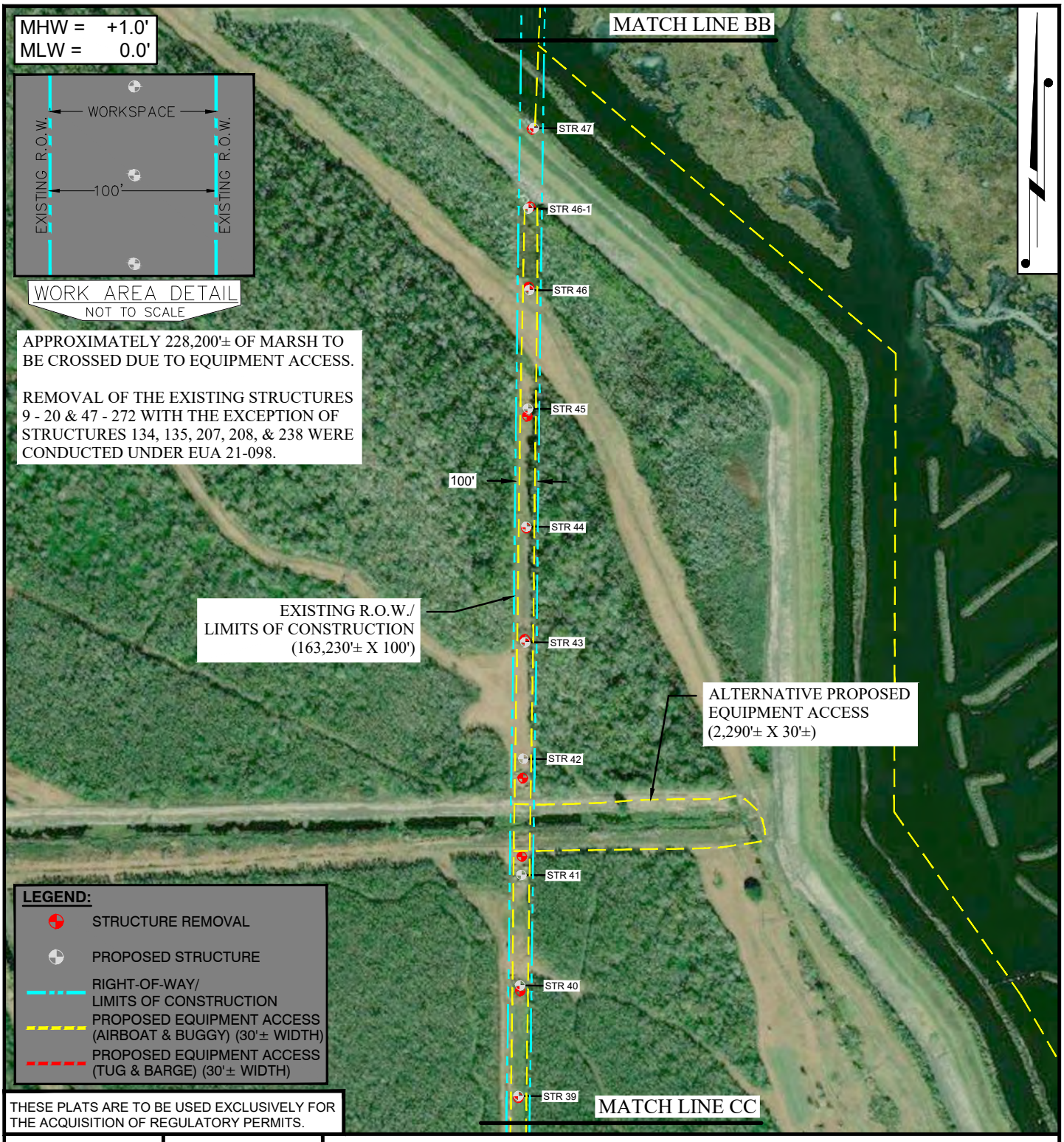
REV. NO:	04	REV. DATE:	04/29/2022	REV. BY:	SPM

REVISION DESCRIPTION:
ADDED STRUCTURES UNDER EUA.

4/29/2022 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 3_REV.DWG



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DRAWN BY:	SPM	APPROVED BY:	MDT
DATE:	07/06/2021	JOB NO:	2021.0252
DRAWING NAME:	210252P- 3_REV.DWG		
SHEET NO:	31	OF	41

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

SCALE: 1" = 600'

600' 300' 0' 600'

PLAN VIEW

ENTERGY LOUISIANA, LLC

PROPOSED REMOVAL/REPLACEMENT OF EXISTING STRUCTURES ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE
LAFOURCHE & JEFFERSON PARISHES, LOUISIANA

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REV. NO:	04	REV. DATE:	04/29/2022	REV. BY:	SPM

REVISION DESCRIPTION:
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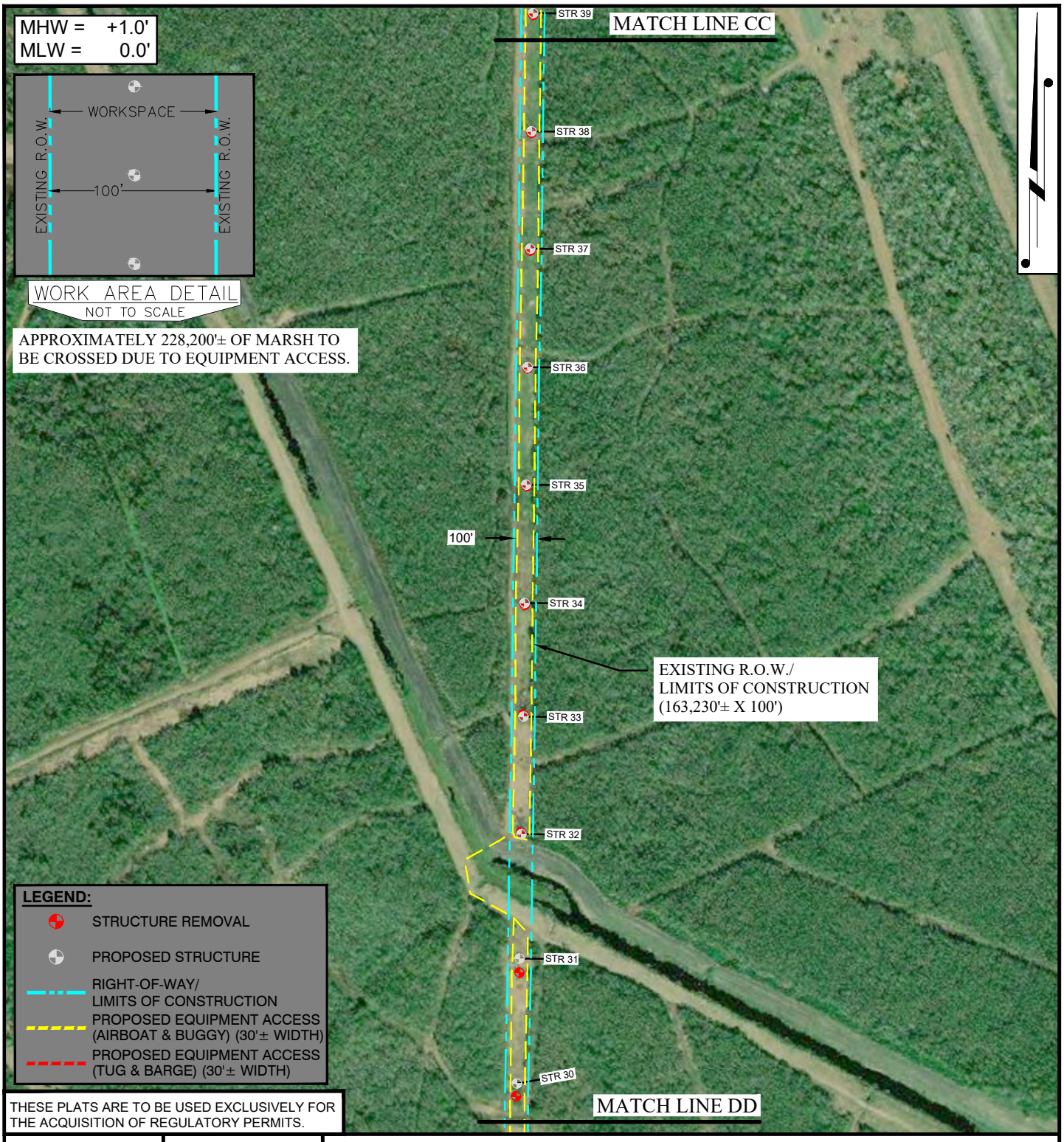

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DRAWN BY:	SPM	APPROVED BY:	MDT
DATE:	07/06/2021	JOB NO:	2021.0252
DRAWING NAME:	210252P- 3_REV.DWG		
SHEET NO:	32	OF	41

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

SCALE: 1" = 600'

600' 300' 0' 600'

PLAN VIEW

ENTERGY LOUISIANA, LLC

PROPOSED REMOVAL/REPLACEMENT OF EXISTING STRUCTURES ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE
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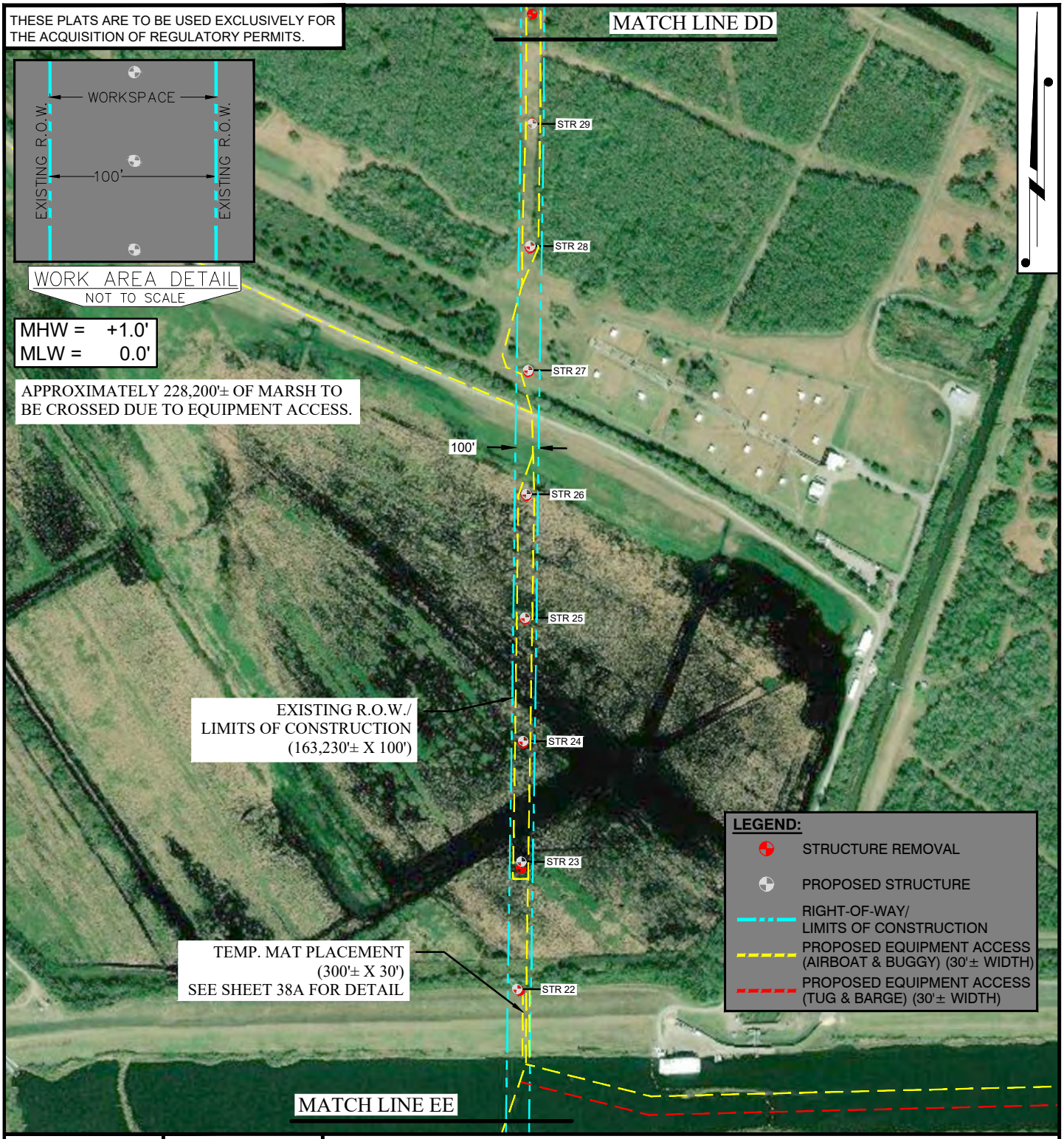
(985)868-1868 - tbsmith.com

REV. NO:	03	REV. DATE:	02/10/2022	REV. BY:	SPM

REVISION DESCRIPTION:
REVISED EQUIPMENT ACCESS.

2/10/2022 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 3_REV.DWG

THESE PLATS ARE TO BE USED EXCLUSIVELY FOR THE ACQUISITION OF REGULATORY PERMITS.



DRAWN BY:	SPM	APPROVED BY:	MDT
DATE:	07/06/2021	JOB NO:	2021.0252
DRAWING NAME:	210252P- 3_REV.DWG		
SHEET NO:	33	OF	41

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

SCALE: 1" = 600'

600' 300' 0' 600'

PLAN VIEW

ENTERGY LOUISIANA, LLC

PROPOSED REMOVAL/REPLACEMENT OF EXISTING STRUCTURES ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE
LAFOURCHE & JEFFERSON PARISHES, LOUISIANA

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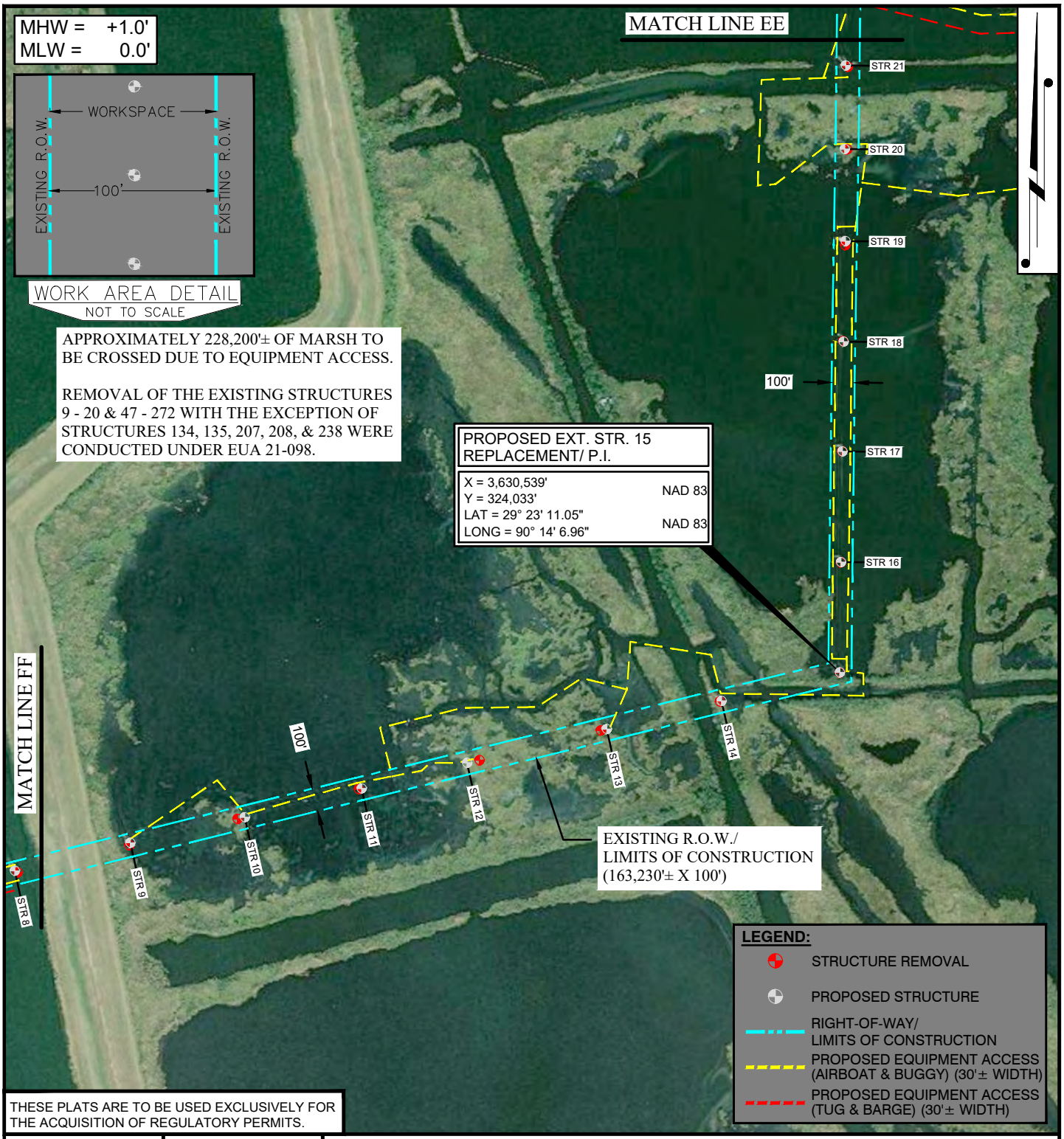
REV. NO:	04	REV. DATE:	02/10/2022	REV. BY:	SPM

REVISION DESCRIPTION:
REVISED EQUIPMENT ACCESS.

2/10/2022 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 3_REV.DWG



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DRAWN BY:	SPM	APPROVED BY:	MDT
DATE:	07/06/2021	JOB NO:	2021.0252
DRAWING NAME:	210252P- 3_REV.DWG		
SHEET NO:	34	OF	41

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

SCALE: 1" = 600'

600' 300' 0' 600'

PLAN VIEW

ENTERGY LOUISIANA, LLC

PROPOSED REMOVAL/REPLACEMENT OF EXISTING STRUCTURES ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE
LAFOURCHE & JEFFERSON PARISHES, LOUISIANA

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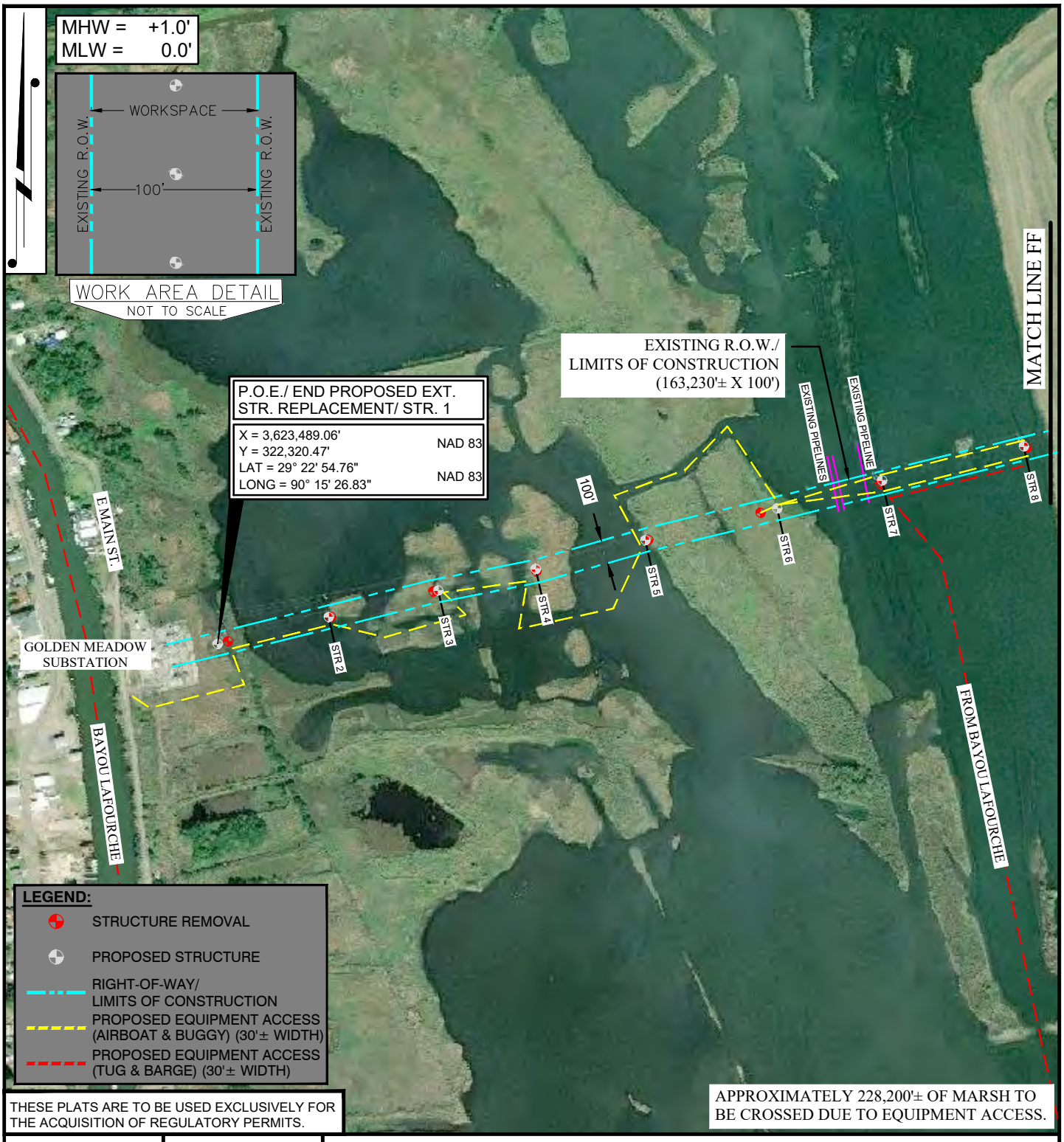
REV. NO:	REV. DATE:	REV. BY:
05	04/29/2022	SPM

REVISION DESCRIPTION:
ADDED STRUCTURES UNDER EUA.

4/29/2022 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 3_REV.DWG



THESE PLATS ARE TO BE USED EXCLUSIVELY FOR THE ACQUISITION OF REGULATORY PERMITS.

APPROXIMATELY 228,200'± OF MARSH TO BE CROSSED DUE TO EQUIPMENT ACCESS.

DRAWN BY:	SPM	APPROVED BY:	MDT
DATE:	07/06/2021	JOB NO:	2021.0252
DRAWING NAME:	210252P- 3_REV.DWG		
SHEET NO:	35	OF	41

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

SCALE: 1" = 600'

600' 300' 0' 600'

PLAN VIEW

ENTERGY LOUISIANA, LLC

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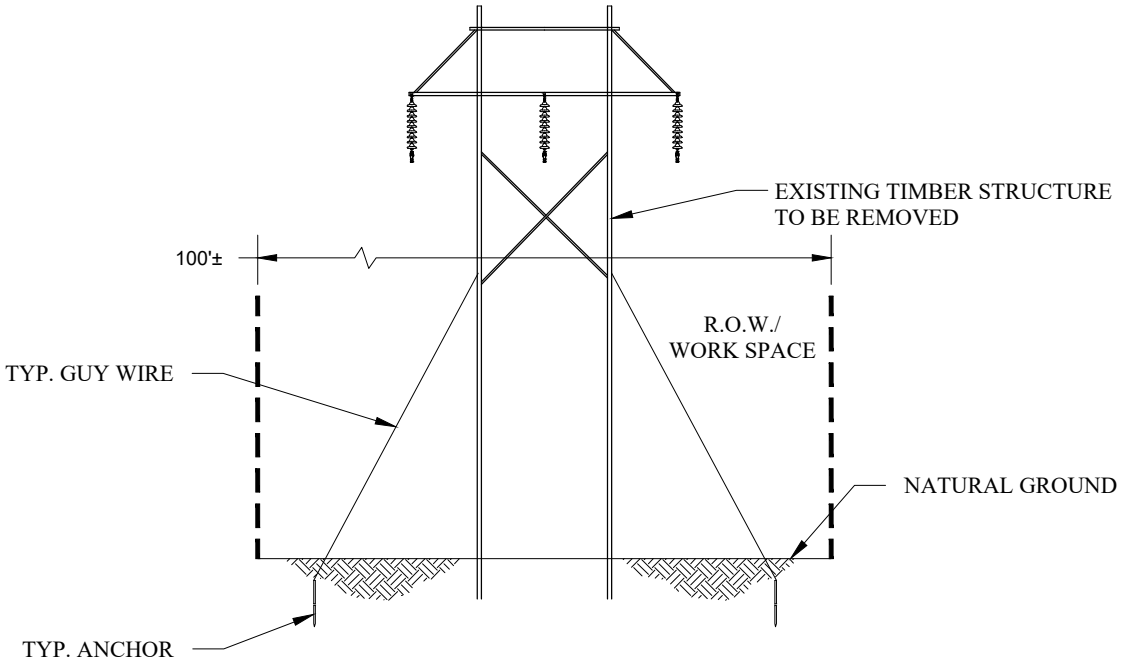
REV. NO:	03	REV. DATE:	02/10/2022	REV. BY:	SPM

REVISION DESCRIPTION:
REVISED EQUIPMENT ACCESS.

2/10/2022 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 3_REV.DWG

EXISTING TYPICAL
TIMBER STRUCTURE
(IN MARSH)



NOTE:
CONFIGURATION OF POLE IS TYPICAL.
POSITIONING AND HARDWARE MAY VARY.

REMOVAL OF THE EXISTING STRUCTURES
9 - 20 & 47 - 272 WITH THE EXCEPTION OF
STRUCTURES 134, 135, 207, 208, & 238 WERE
CONDUCTED UNDER EUA 21-098.

THESE PLATS ARE TO BE USED EXCLUSIVELY FOR THE ACQUISITION OF REGULATORY PERMITS.

DRAWN BY:	SPM	APPROVED BY:	MDT
DATE:	07/06/2021	JOB NO:	2021.0252
DRAWING NAME:		210252P- 3_REV.DWG	
SHEET NO:	36A	OF	41

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

NOT TO SCALE

DETAIL

ENTERGY LOUISIANA, LLC

PROPOSED REMOVAL/REPLACEMENT OF EXISTING STRUCTURES
ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE
LAFOURCHE & JEFFERSON PARISHES, LOUISIANA

T. BAKER SMITH
A CENTURY OF SOLUTIONS
412 South Van Ave, Houma, LA 70363
(985)868-1666 - tbsmith.com

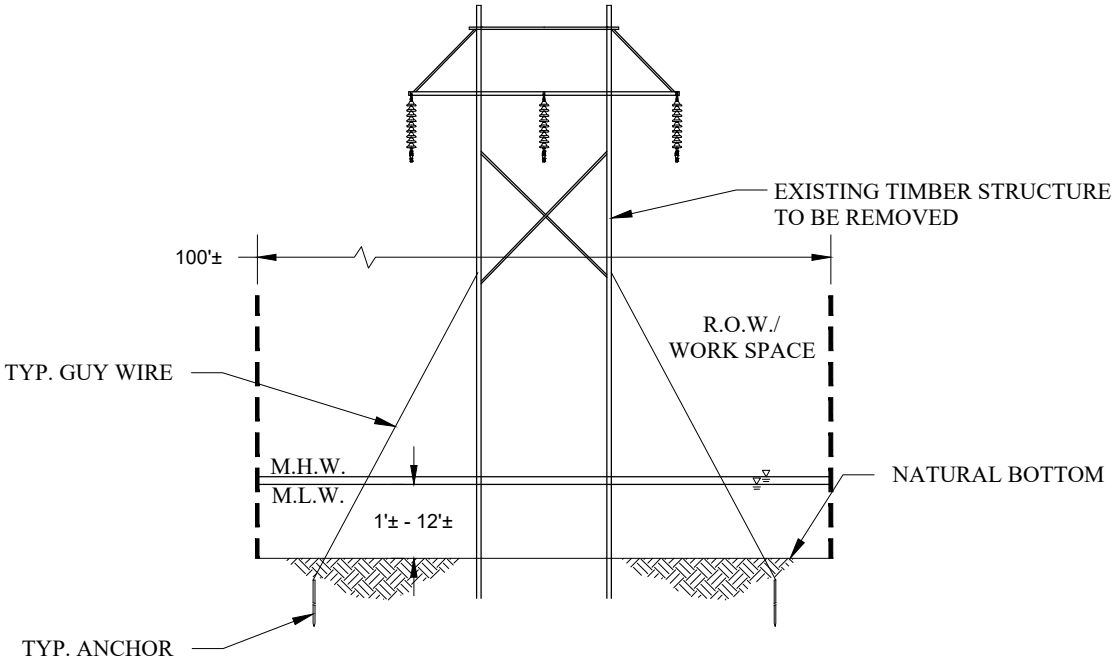
REV. NO:	02	REV. DATE: 04/29/2022	REV. BY:	SPM

REVISION DESCRIPTION:
ADDED STRUCTURES UNDER EUA.

4/28/2022 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 3_REV.DWG

MHW = +1.0'
MLW = 0.0'

EXISTING TYPICAL TIMBER STRUCTURE (IN WATER)



NOTE:
CONFIGURATION OF POLE IS TYPICAL. POSITIONING AND HARDWARE MAY VARY.

STRUCTURES IN STATE-OWNED WATERS TO BE REMOVED TO A DEPTH OF 10' BELOW THE MUDLINE IF COMPLETE REMOVAL CANNOT BE ACHIEVED.

REMOVAL OF THE EXISTING STRUCTURES 9 - 20 & 47 - 272 WITH THE EXCEPTION OF STRUCTURES 134, 135, 207, 208, & 238 WERE CONDUCTED UNDER EUA 21-098.

THESE PLATS ARE TO BE USED EXCLUSIVELY FOR THE ACQUISITION OF REGULATORY PERMITS.

DRAWN BY:	SPM	APPROVED BY:	MDT
DATE:	07/06/2021	JOB NO:	2021.0252
DRAWING NAME:	210252P- 3_REV.DWG		
SHEET NO:	36B	OF	41

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

NOT TO SCALE

DETAIL

ENTERGY LOUISIANA, LLC

PROPOSED REMOVAL/REPLACEMENT OF EXISTING STRUCTURES ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE LAFOURCHE & JEFFERSON PARISHES, LOUISIANA

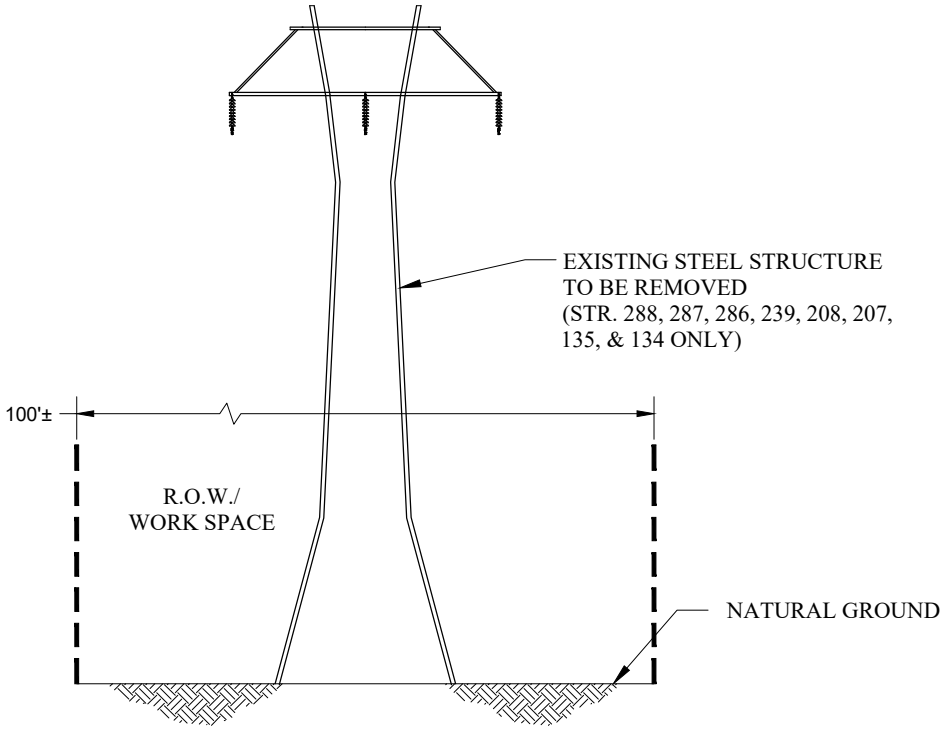
T. BAKER SMITH
A CENTURY OF SOLUTIONS
412 South Van Ave, Houma, LA 70363
(985)868-1666 - tbsmith.com

REV. NO:	03	REV. DATE: 04/29/2022	REV. BY:	SPM

REVISION DESCRIPTION:
ADDED STRUCTURES UNDER EUA.

4/29/2022 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 3_REV.DWG

EXISTING TYPICAL
STEEL STRUCTURE



NOTE:
CONFIGURATION OF POLE IS TYPICAL.
POSITIONING AND HARDWARE MAY VARY.

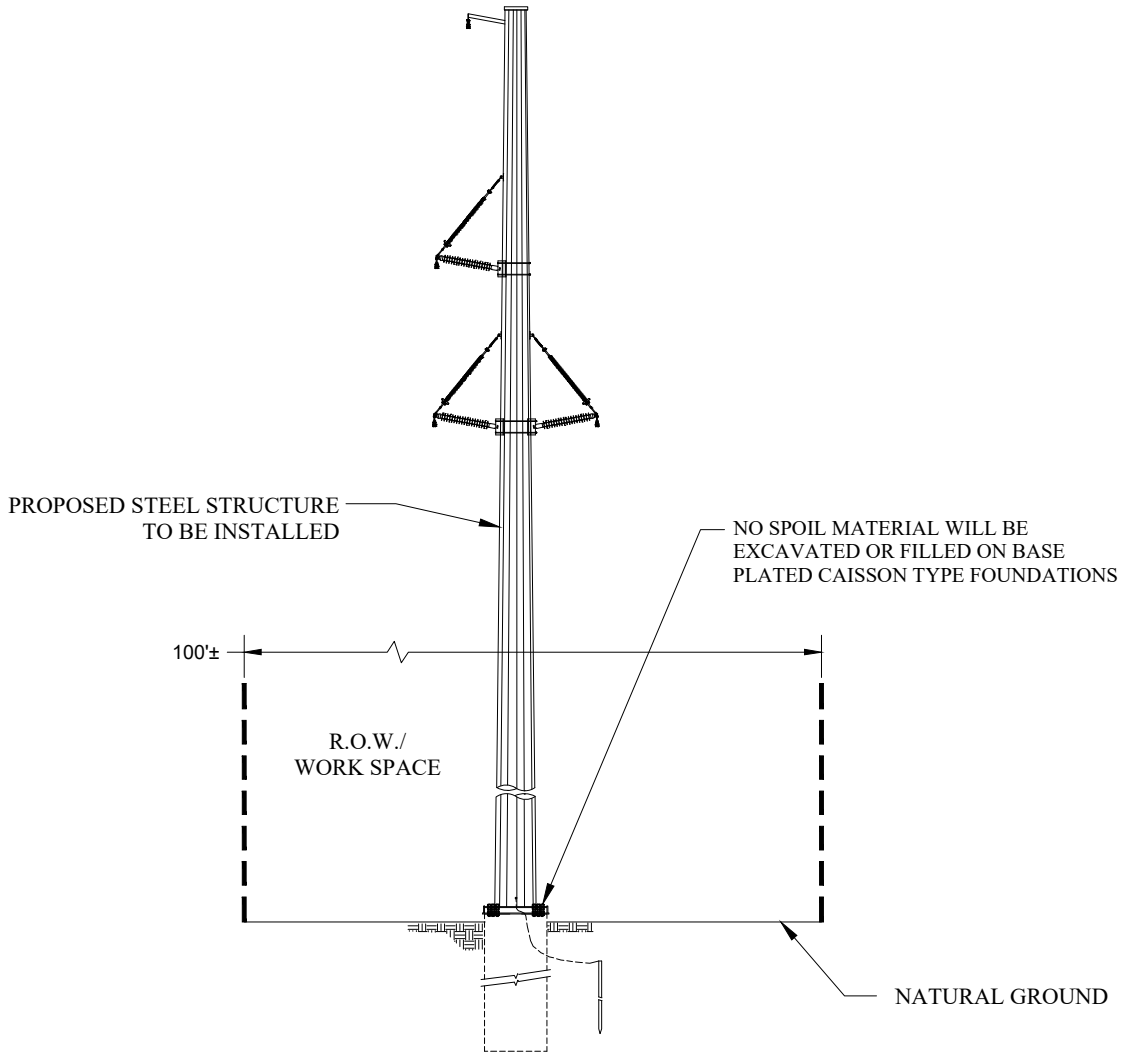
REMOVAL OF THE EXISTING STRUCTURES
9 - 20 & 47 - 272 WITH THE EXCEPTION OF
STRUCTURES 134, 135, 207, 208, & 238 WERE
CONDUCTED UNDER EUA 21-098.

THESE PLATS ARE TO BE USED EXCLUSIVELY FOR THE ACQUISITION OF REGULATORY PERMITS.

DRAWN BY: SPM	APPROVED BY: MDT	DETAIL
DATE: 07/06/2021	JOB NO: 2021.0252	ENTERGY LOUISIANA, LLC
DRAWING NAME: 210252P- 3_REV.DWG		PROPOSED REMOVAL/REPLACEMENT OF EXISTING STRUCTURES ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE LAFOURCHE & JEFFERSON PARISHES, LOUISIANA
SHEET NO: 36C OF 41		
PROJECTION: LOUISIANA SOUTH ZONE GEO. DATUM: NAD83 | VERT. DATUM: NAVD88 GRID UNITS: US SURVEY FEET		
NOT TO SCALE	T. BAKER SMITH A CENTURY OF SOLUTIONS 412 South Van Ave, Houma, LA 70363 (985)868-1666 - tbsmith.com	REV. NO: 02 | REV. DATE: 04/29/2022 | REV. BY: SPM REVISION DESCRIPTION: ADDED STRUCTURES UNDER EUA.

4/29/2022 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 3_REV.DWG

PROPOSED TYPICAL
STEEL STRUCTURE



NOTE:
CONFIGURATION OF STRUCTURE IS TYPICAL.
POSITIONING AND HARDWARE MAY VARY.

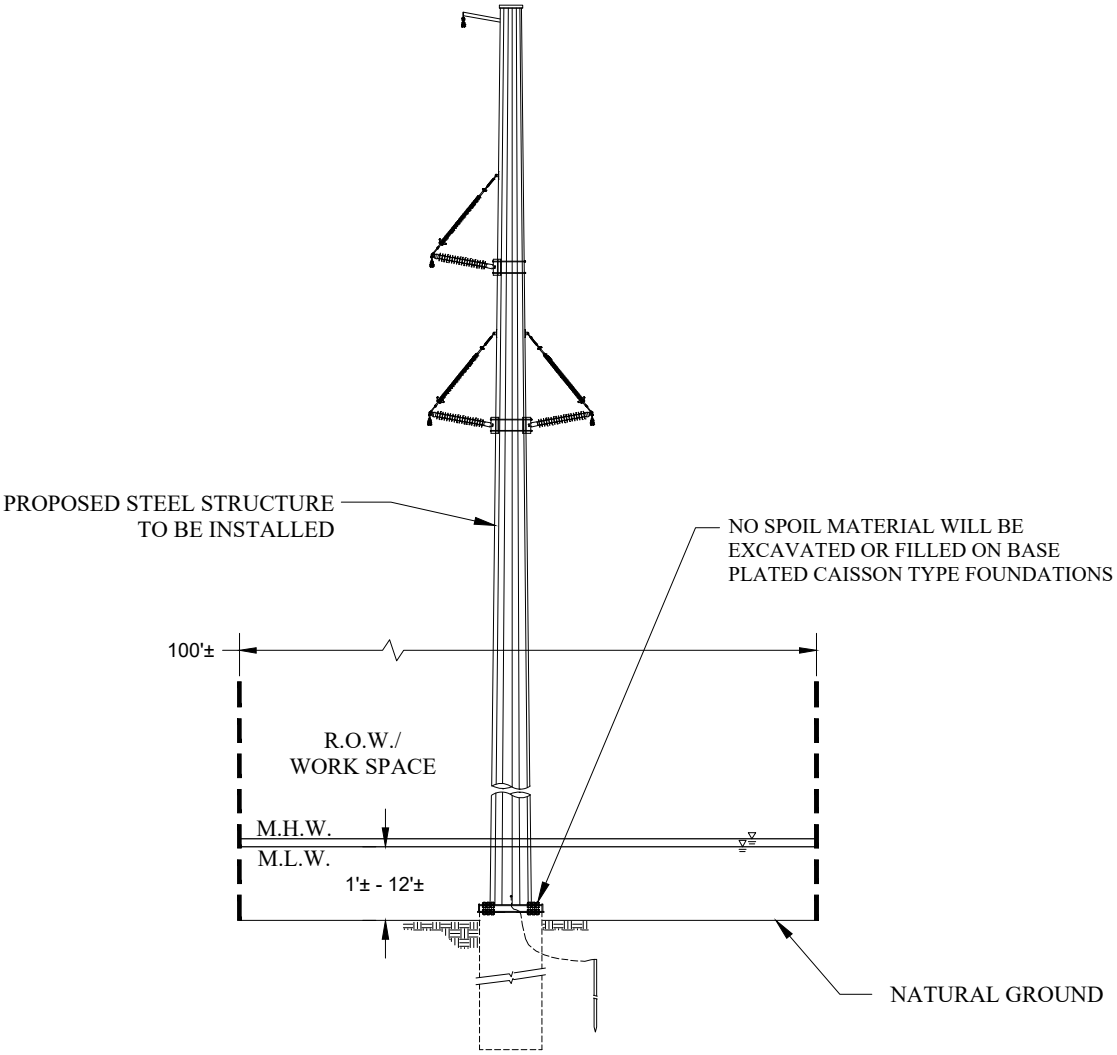
THESE PLATS ARE TO BE USED EXCLUSIVELY FOR THE ACQUISITION OF REGULATORY PERMITS.

DRAWN BY: SPM	APPROVED BY: MDT	DETAIL
DATE: 12/06/2021	JOB NO: 2021.0252	ENTERGY LOUISIANA, LLC
DRAWING NAME: 210252P- 3_REV.DWG		PROPOSED REMOVAL OF EXISTING STRUCTURES ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE LAFOURCHE & JEFFERSON PARISHES, LOUISIANA
SHEET NO: 37A OF 41		
PROJECTION: LOUISIANA SOUTH ZONE GEO. DATUM: NAD83 | VERT. DATUM: NAVD88 GRID UNITS: US SURVEY FEET		
NOT TO SCALE	T. BAKER SMITH A CENTURY OF SOLUTIONS 412 South Van Ave, Houma, LA 70363 (985)868-1666 - tbsmith.com	REV. NO: 00 | REV. DATE: --/--/-- | REV. BY: --- REVISION DESCRIPTION: --

12/7/2021 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 3_REV.DWG

MHW = +1.0'
MLW = 0.0'

PROPOSED TYPICAL STEEL STRUCTURE (IN WATER)



NOTE:
CONFIGURATION OF STRUCTURE IS TYPICAL.
POSITIONING AND HARDWARE MAY VARY.

THESE PLATS ARE TO BE USED EXCLUSIVELY FOR THE ACQUISITION OF REGULATORY PERMITS.

DRAWN BY:	SPM	APPROVED BY:	MDT
DATE:	02/10/2022	JOB NO:	2021.0252
DRAWING NAME:		210252P- 3_REV.DWG	
SHEET NO:	37B	OF	41

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

NOT TO SCALE

DETAIL

ENTERGY LOUISIANA, LLC

PROPOSED REMOVAL/REPLACEMENT OF EXISTING STRUCTURES ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE LAFOURCHE & JEFFERSON PARISHES, LOUISIANA

T. BAKER SMITH
A CENTURY OF SOLUTIONS
412 South Van Ave, Houma, LA 70363
(985)868-1666 - tbsmith.com

REV. NO:	00	REV. DATE:	--/--/--	REV. BY:	---

REVISION DESCRIPTION:
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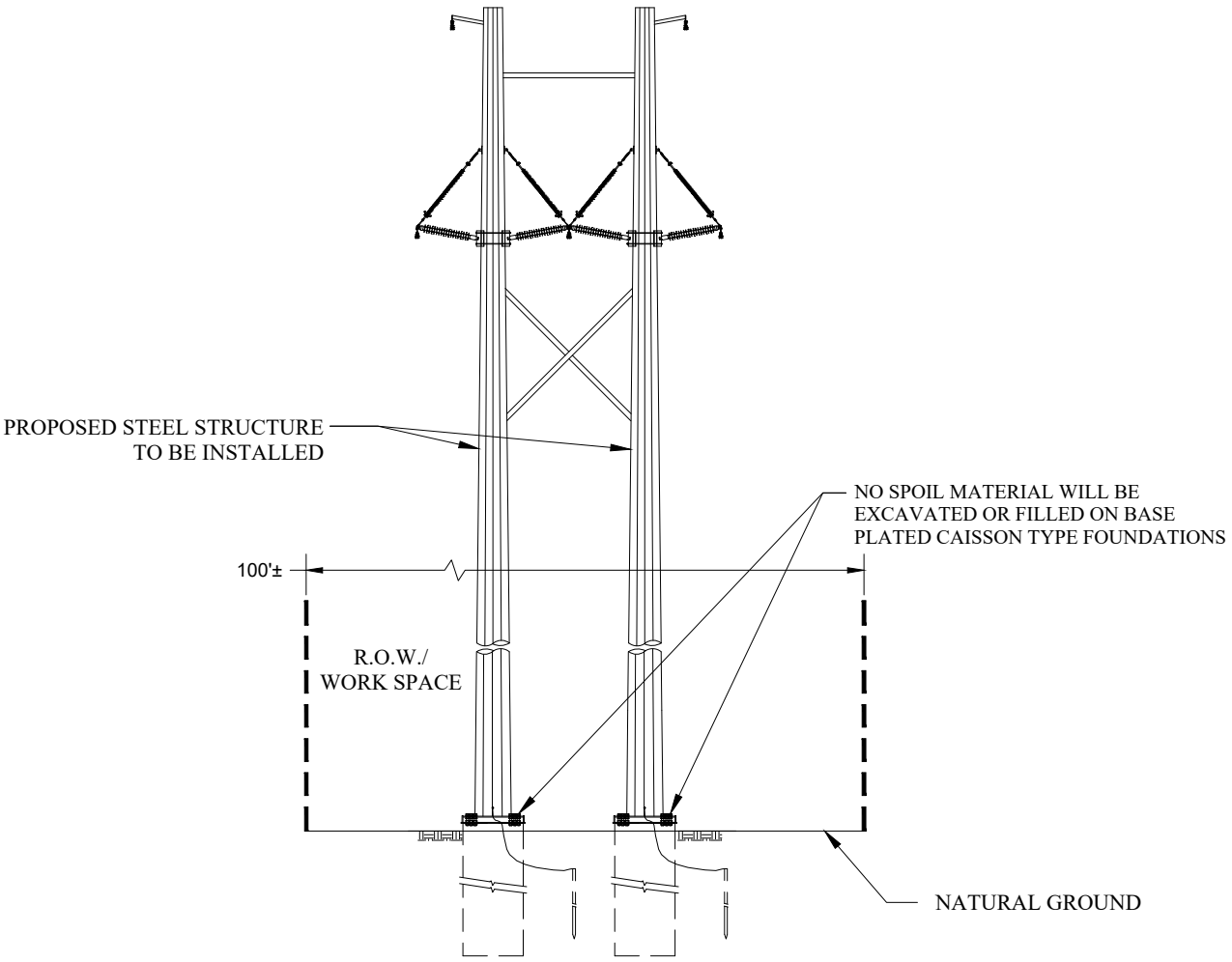
2/10/2022 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 3_REV.DWG

PROPOSED TYPICAL
STEEL H-FRAME STRUCTURE



NOTE:
CONFIGURATION OF STRUCTURE IS TYPICAL.
POSITIONING AND HARDWARE MAY VARY.

THESE PLATS ARE TO BE USED EXCLUSIVELY FOR THE ACQUISITION OF REGULATORY PERMITS.

DRAWN BY: SPM	APPROVED BY: MDT
DATE: 12/06/2021	JOB NO: 2021.0252
DRAWING NAME: 210252P- 3_REV.DWG	
SHEET NO: 37C OF 41	
PROJECTION: LOUISIANA SOUTH ZONE GEO. DATUM: NAD83 | VERT. DATUM: NAVD88 GRID UNITS: US SURVEY FEET	

DETAIL

ENTERGY LOUISIANA, LLC

PROPOSED REMOVAL/REPLACEMENT OF EXISTING STRUCTURES
ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE
LAFOURCHE & JEFFERSON PARISHES, LOUISIANA

NOT TO SCALE

T. BAKER SMITH
A CENTURY OF SOLUTIONS
412 South Van Ave, Houma, LA 70363
(985)868-1666 - tbsmith.com

REV. NO:	REV. DATE:	REV. BY:
00	--/--/--	---

REVISION DESCRIPTION:
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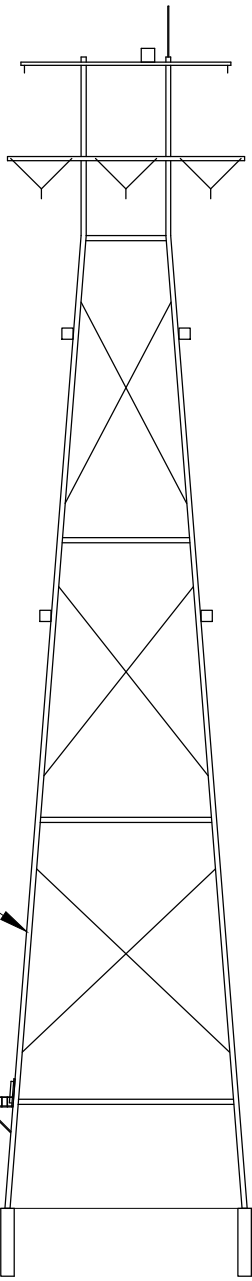
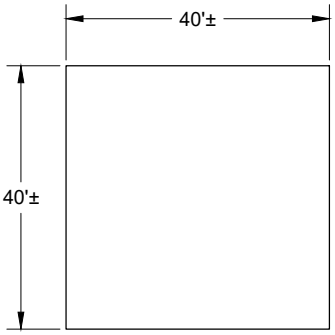
2/10/2022 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 3_REV.DWG

PROPOSED TYPICAL
STEEL PYRAMAX STRUCTURE





STRUCTURE FOOTPRINT

NOTE:
CONFIGURATION OF STRUCTURE IS TYPICAL.
POSITIONING AND HARDWARE MAY VARY.

THESE PLATS ARE TO BE USED EXCLUSIVELY FOR THE ACQUISITION OF REGULATORY PERMITS.

DRAWN BY:	SPM	APPROVED BY:	MDT
DATE:	12/06/2021	JOB NO:	2021.0252
DRAWING NAME:		210252P- 3_REV.DWG	
SHEET NO:	37D	OF	41

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

NOT TO SCALE

DETAIL

ENTERGY LOUISIANA, LLC

PROPOSED REMOVAL/REPLACEMENT OF EXISTING STRUCTURES
ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE
LAFOURCHE & JEFFERSON PARISHES, LOUISIANA

T. BAKER SMITH
A CENTURY OF SOLUTIONS
412 South Van Ave, Houma, LA 70363
(985)868-1666 - tbsmith.com

REV. NO:	REV. DATE:	REV. BY:
00	--/--/--	---

REVISION DESCRIPTION:
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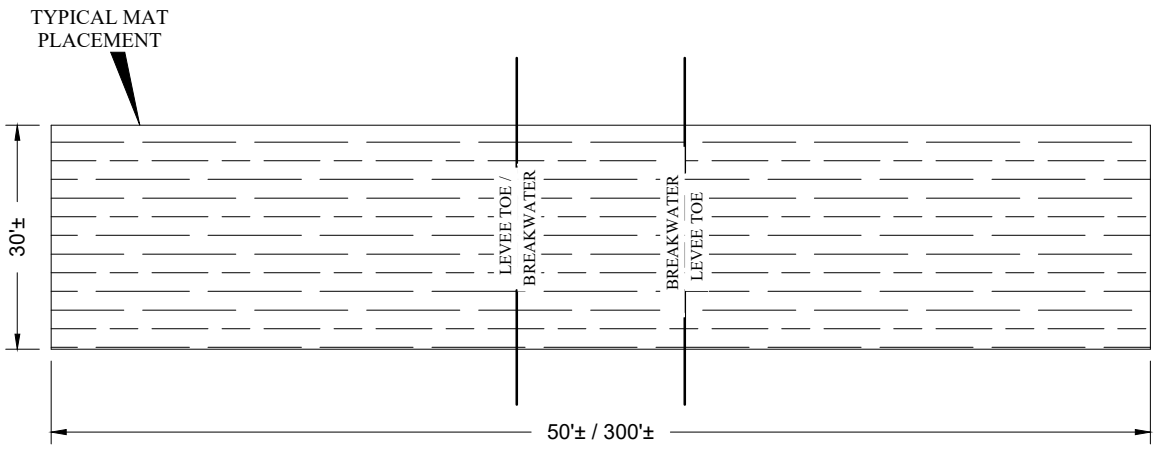
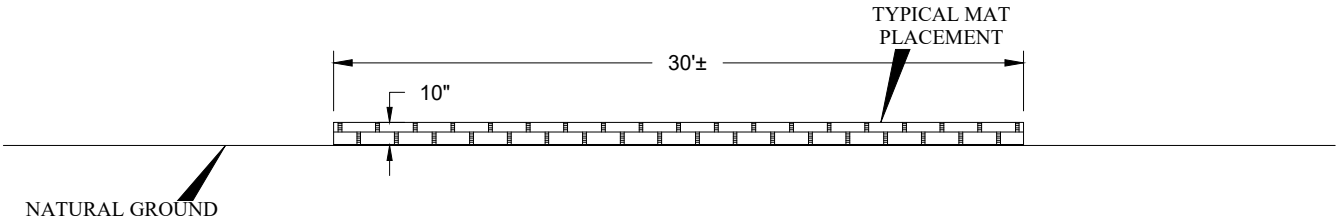
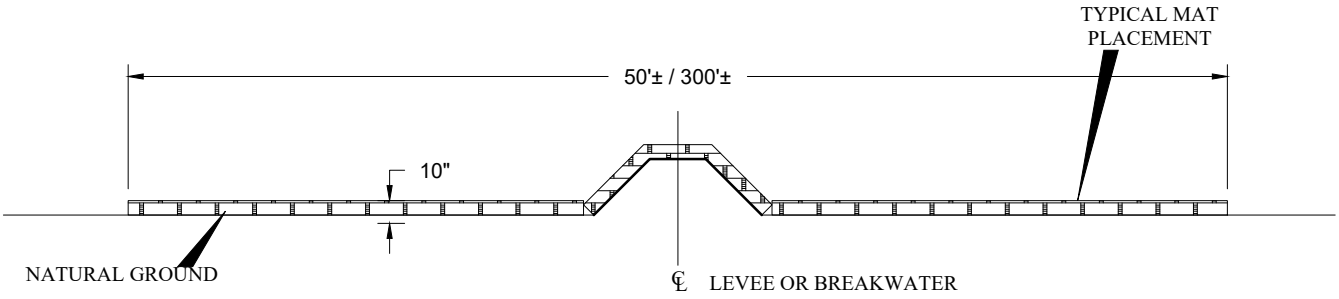
2/10/2022 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 3_REV.DWG



TOP VIEW DETAIL



TYPICAL MAT PLACEMENT DETAIL



TYPICAL MAT CROSSING DETAIL

NOTE:
MAT PLACEMENT FOR CROSSINGS ARE TEMPORARY & USED AS REQUIRED.

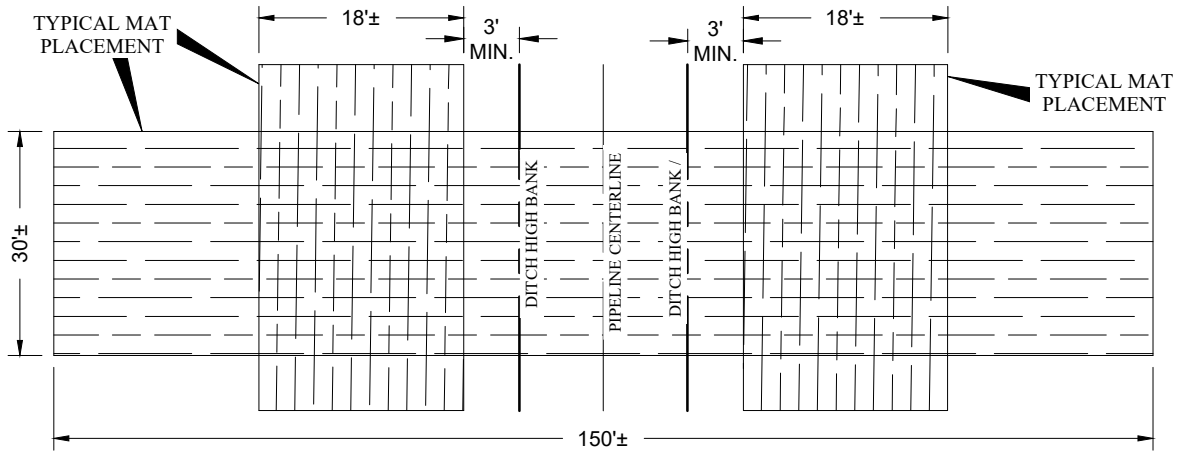
NO FILL WILL BE REQUIRED AS A RESULT OF TIMBER MAT PLACEMENT.

THESE PLATS ARE TO BE USED EXCLUSIVELY FOR THE ACQUISITION OF REGULATORY PERMITS.

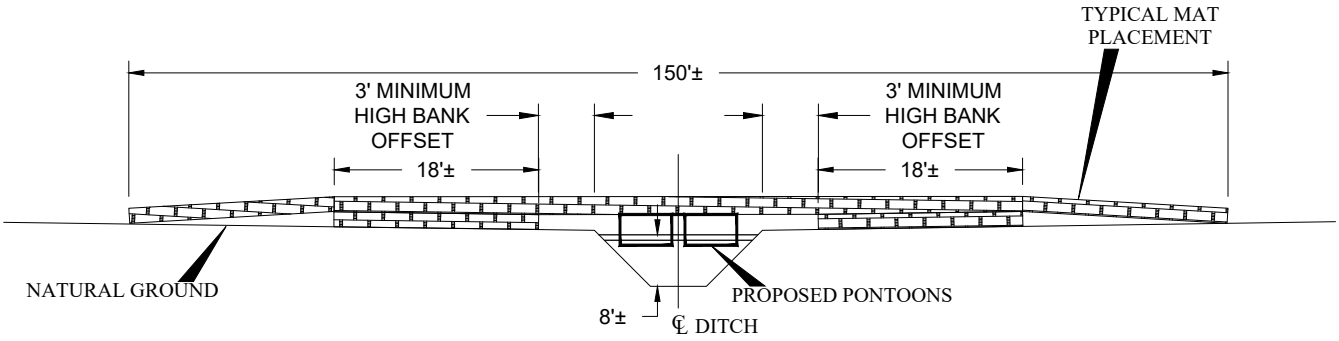
DRAWN BY: SPM	APPROVED BY: MDT	DETAIL
DATE: 07/06/2021	JOB NO: 2021.0252	ENTERGY LOUISIANA, LLC
DRAWING NAME: 210252P- 3_REV.DWG		PROPOSED REMOVAL/REPLACEMENT OF EXISTING STRUCTURES ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE LAFOURCHE & JEFFERSON PARISHES, LOUISIANA
SHEET NO: 38A OF 41		
PROJECTION: LOUISIANA SOUTH ZONE GEO. DATUM: NAD83 | VERT. DATUM: NAVD88 GRID UNITS: US SURVEY FEET		
NOT TO SCALE	T. BAKER SMITH A CENTURY OF SOLUTIONS 412 South Van Ave, Houma, LA 70363 (985)868-1666 - tbsmith.com	REV. NO: 03 | REV. DATE: 02/10/2022 | REV. BY: SPM REVISION DESCRIPTION: ADDED FILL NOTE.

2/10/2022 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 3_REV.DWG

MHW = +1.0'
MLW = 0.0'



TOP VIEW DETAIL



TYPICAL PONTOON CROSSING DETAIL

NOTE:
MAT PLACEMENT FOR CROSSINGS ARE TEMPORARY & USED AS REQUIRED.

NO FILL WILL BE REQUIRED AS A RESULT OF TIMBER MAT PLACEMENT.

THESE PLATS ARE TO BE USED EXCLUSIVELY FOR THE ACQUISITION OF REGULATORY PERMITS.

DRAWN BY: SPM	APPROVED BY: MDT	DETAIL
DATE: 07/06/2021	JOB NO: 2021.0252	ENTERGY LOUISIANA, LLC
DRAWING NAME: 210252P- 3_REV.DWG		PROPOSED REMOVAL/REPLACEMENT OF EXISTING STRUCTURES ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE LAFOURCHE & JEFFERSON PARISHES, LOUISIANA
SHEET NO: 38B OF 41		
PROJECTION: LOUISIANA SOUTH ZONE GEO. DATUM: NAD83 | VERT. DATUM: NAVD88 GRID UNITS: US SURVEY FEET		
NOT TO SCALE	T. BAKER SMITH A CENTURY OF SOLUTIONS 412 South Van Ave, Houma, LA 70363 (985)868-1666 - tbsmith.com	REV. NO: 03 | REV. DATE: 02/10/2022 | REV. BY: SPM REVISION DESCRIPTION: ADDED FILL NOTE & WATER DEPTH.

2/10/2022 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 3_REV.DWG

STR. NO.	COORDINATES (NAD 83)		COORDINATES	
	X	Y	LATITUDE	LONGITUDE
315	3,662,752.59	460,305.58	29° 45' 36.83"	90° 07' 46.66"
314	3,662,649.64	460,454.00	29° 45' 38.31"	90° 07' 47.81"
313	3,662,418.07	460,786.41	29° 45' 41.63"	90° 07' 50.40"
312	3,662,157.02	461,159.51	29° 45' 45.35"	90° 07' 53.32"
311	3,661,889.03	461,538.43	29° 45' 49.13"	90° 07' 56.32"
310	3,661,638.93	461,898.09	29° 45' 52.71"	90° 07' 59.11"
309	3,661,377.09	462,263.58	29° 45' 56.36"	90° 08' 02.04"
308	3,661,118.72	462,626.39	29° 45' 59.98"	90° 08' 04.93"
307	3,660,863.52	462,879.74	29° 46' 02.51"	90° 08' 07.79"
306	3,660,670.27	462,422.95	29° 45' 58.01"	90° 08' 10.04"
305	3,660,463.59	461,940.10	29° 45' 53.25"	90° 08' 12.44"
304	3,660,259.89	461,454.35	29° 45' 48.46"	90° 08' 14.81"
303	3,660,051.44	460,971.11	29° 45' 43.70"	90° 08' 17.23"
302	3,659,831.39	460,458.44	29° 45' 38.65"	90° 08' 19.79"
301	3,659,640.25	460,003.54	29° 45' 34.17"	90° 08' 22.01"
300	3,659,436.32	459,518.42	29° 45' 29.38"	90° 08' 24.38"
299	3,659,226.17	459,026.23	29° 45' 24.53"	90° 08' 26.82"
298	3,659,021.29	458,541.70	29° 45' 19.76"	90° 08' 29.21"
297	3,658,817.54	458,062.13	29° 45' 15.03"	90° 08' 31.57"
296	3,658,608.82	457,572.36	29° 45' 10.21"	90° 08' 34.00"
295	3,658,404.35	457,090.04	29° 45' 05.45"	90° 08' 36.38"
294	3,658,582.67	456,625.22	29° 45' 00.83"	90° 08' 34.41"
293	3,658,758.34	456,172.97	29° 44' 56.34"	90° 08' 32.47"
292	3,658,936.06	455,719.39	29° 44' 51.83"	90° 08' 30.51"
291	3,659,112.73	455,266.04	29° 44' 47.32"	90° 08' 28.56"
290	3,659,289.41	454,812.03	29° 44' 42.81"	90° 08' 26.60"
289	3,659,464.67	454,358.42	29° 44' 38.30"	90° 08' 24.67"
288	3,659,141.01	453,979.18	29° 44' 34.58"	90° 08' 28.39"
287	3,658,718.53	453,484.40	29° 44' 29.73"	90° 08' 33.24"
286	3,658,047.91	452,701.30	29° 44' 22.04"	90° 08' 40.94"
285	3,657,484.20	452,041.05	29° 44' 15.57"	90° 08' 47.41"
284	3,657,217.28	451,727.63	29° 44' 12.49"	90° 08' 50.47"
283	3,656,979.36	451,447.91	29° 44' 09.75"	90° 08' 53.20"
282	3,656,605.44	451,009.88	29° 44' 05.45"	90° 08' 57.50"
281	3,656,283.84	450,640.16	29° 44' 01.82"	90° 09' 01.19"
280	3,655,971.25	450,270.44	29° 43' 58.19"	90° 09' 04.78"
279	3,655,638.97	449,894.85	29° 43' 54.51"	90° 09' 08.59"
278	3,655,358.00	449,511.70	29° 43' 50.74"	90° 09' 11.82"
277	3,655,074.79	449,135.78	29° 43' 47.05"	90° 09' 15.08"
276	3,654,786.15	448,754.20	29° 43' 43.30"	90° 09' 18.39"
275	3,654,499.30	448,375.81	29° 43' 39.59"	90° 09' 21.69"
274	3,654,213.85	447,992.82	29° 43' 35.83"	90° 09' 24.97"
273	3,653,929.30	447,616.26	29° 43' 32.13"	90° 09' 28.25"
272	3,653,642.22	447,236.98	29° 43' 28.40"	90° 09' 31.55"
271	3,653,402.51	446,916.99	29° 43' 25.26"	90° 09' 34.30"
270	3,653,205.40	446,654.82	29° 43' 22.68"	90° 09' 36.57"
269	3,652,899.96	446,248.87	29° 43' 18.70"	90° 09' 40.08"
268	3,652,593.97	445,844.77	29° 43' 14.73"	90° 09' 43.60"
267	3,652,287.35	445,437.90	29° 43' 10.73"	90° 09' 47.12"
266	3,651,983.54	445,035.72	29° 43' 06.78"	90° 09' 50.61"
265	3,651,676.07	444,628.81	29° 43' 02.78"	90° 09' 54.15"
264	3,651,375.98	444,229.70	29° 42' 58.86"	90° 09' 57.59"
263	3,651,065.94	443,819.94	29° 42' 54.84"	90° 10' 01.16"

STR. NO.	COORDINATES (NAD 83)		COORDINATES	
	X	Y	LATITUDE	LONGITUDE
262	3,650,763.79	443,417.25	29° 42' 50.88"	90° 10' 04.63"
261	3,650,456.90	443,013.20	29° 42' 46.91"	90° 10' 08.16"
260	3,650,151.24	442,606.80	29° 42' 42.92"	90° 10' 11.67"
259	3,649,848.01	442,204.47	29° 42' 38.97"	90° 10' 15.16"
258	3,649,542.12	441,796.96	29° 42' 34.96"	90° 10' 18.67"
257	3,649,237.28	441,392.02	29° 42' 30.99"	90° 10' 22.17"
256	3,648,930.88	440,987.41	29° 42' 27.01"	90° 10' 25.70"
255	3,648,626.89	440,582.01	29° 42' 23.03"	90° 10' 29.19"
254	3,648,321.06	440,176.11	29° 42' 19.04"	90° 10' 32.70"
253	3,648,014.80	439,770.94	29° 42' 15.06"	90° 10' 36.22"
252	3,647,708.55	439,365.90	29° 42' 11.08"	90° 10' 39.74"
251	3,647,404.17	438,961.96	29° 42' 07.11"	90° 10' 43.24"
250	3,647,033.20	438,473.90	29° 42' 02.32"	90° 10' 47.50"
249	3,646,790.09	438,149.55	29° 41' 59.13"	90° 10' 50.29"
248	3,646,485.10	437,743.37	29° 41' 55.14"	90° 10' 53.80"
247	3,646,180.73	437,342.65	29° 41' 51.21"	90° 10' 57.30"
246	3,645,873.78	436,932.53	29° 41' 47.18"	90° 11' 00.82"
245	3,645,569.03	436,528.36	29° 41' 43.21"	90° 11' 04.32"
244	3,645,262.70	436,121.17	29° 41' 39.21"	90° 11' 07.84"
243	3,644,957.00	435,715.08	29° 41' 35.22"	90° 11' 11.36"
242	3,644,651.83	435,310.98	29° 41' 31.25"	90° 11' 14.86"
241	3,644,341.87	434,904.92	29° 41' 27.26"	90° 11' 18.42"
240	3,644,037.58	434,500.34	29° 41' 23.28"	90° 11' 21.92"
239	3,643,675.30	434,022.51	29° 41' 18.59"	90° 11' 26.08"
238	3,642,778.06	432,838.02	29° 41' 06.95"	90° 11' 36.38"
237	3,642,435.35	432,376.72	29° 41' 02.42"	90° 11' 40.32"
236	3,642,124.83	431,970.74	29° 40' 58.43"	90° 11' 43.89"
235	3,641,812.70	431,569.75	29° 40' 54.49"	90° 11' 47.47"
234	3,641,508.03	431,161.25	29° 40' 50.48"	90° 11' 50.97"
233	3,641,201.28	430,754.71	29° 40' 46.48"	90° 11' 54.49"
232	3,640,894.03	430,349.56	29° 40' 42.50"	90° 11' 58.02"
231	3,640,585.20	429,943.92	29° 40' 38.52"	90° 12' 01.57"
230	3,640,284.50	429,534.45	29° 40' 34.49"	90° 12' 05.02"
229	3,639,960.15	429,150.77	29° 40' 30.73"	90° 12' 08.74"
228	3,639,644.53	428,775.67	29° 40' 27.04"	90° 12' 12.36"
227	3,639,321.02	428,393.00	29° 40' 23.29"	90° 12' 16.07"
226	3,639,000.21	428,007.61	29° 40' 19.50"	90° 12' 19.75"
225	3,638,679.18	427,623.84	29° 40' 15.74"	90° 12' 23.43"
224	3,638,358.50	427,238.92	29° 40' 11.96"	90° 12' 27.11"
223	3,638,037.32	426,850.73	29° 40' 08.15"	90° 12' 30.80"
222	3,637,721.29	426,462.60	29° 40' 04.33"	90° 12' 34.42"
221	3,637,316.61	426,149.43	29° 40' 01.27"	90° 12' 39.04"
220	3,636,915.50	425,831.19	29° 39' 58.16"	90° 12' 43.63"
219	3,636,517.57	425,512.56	29° 39' 55.05"	90° 12' 48.17"
218	3,636,112.47	425,199.14	29° 39' 51.98"	90° 12' 52.80"
217	3,635,713.97	424,888.42	29° 39' 48.95"	90° 12' 57.35"
216	3,635,304.38	424,558.90	29° 39' 45.72"	90° 13' 02.03"
215	3,634,918.50	424,239.70	29° 39' 42.60"	90° 13' 06.44"
214	3,634,501.40	423,916.80	29° 39' 39.44"	90° 13' 11.20"
213	3,633,993.51	423,795.77	29° 39' 38.29"	90° 13' 16.97"
212	3,633,480.49	423,673.09	29° 39' 37.13"	90° 13' 22.80"
211	3,632,967.04	423,559.65	29° 39' 36.06"	90° 13' 28.63"
210	3,632,458.06	423,431.19	29° 39' 34.83"	90° 13' 34.41"

THESE PLATS ARE TO BE USED EXCLUSIVELY FOR THE ACQUISITION OF REGULATORY PERMITS.

DRAWN BY: SPM	APPROVED BY: MDT
DATE: 07/06/2021	JOB NO: 2021.0252
DRAWING NAME: 210252P- 3_REV.DWG	
SHEET NO: 39A OF 41	
PROJECTION: LOUISIANA SOUTH ZONE GEO. DATUM: NAD83 | VERT. DATUM: NAVD88 GRID UNITS: US SURVEY FEET	
NOT TO SCALE	

REMOVED STR COORDINATES

ENTERGY LOUISIANA, LLC

PROPOSED REMOVAL OF EXISTING STRUCTURES
ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE
LAFOURCHE & JEFFERSON PARISHES, LOUISIANA

T. BAKER SMITH
A CENTURY OF SOLUTIONS
412 South Van Ave, Houma, LA 70363
(985)868-1868 - tbsmith.com

REV. NO: 01	REV. DATE: 12/06/2021	REV. BY: SPM

REVISION DESCRIPTION:
ADDED REPLACEMENT STRUCTURES.

12/3/2021 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 3_REV.DWG

STR. NO.	COORDINATES (NAD 83)		COORDINATES	
	X	Y	LATITUDE	LONGITUDE
209	3,631,934.63	423,303.60	29° 39' 33.62"	90° 13' 40.36"
208	3,631,924.81	422,524.86	29° 39' 25.91"	90° 13' 40.56"
207	3,631,916.46	421,906.43	29° 39' 19.79"	90° 13' 40.72"
206	3,631,904.77	421,224.70	29° 39' 13.04"	90° 13' 40.92"
205	3,631,899.07	420,721.70	29° 39' 08.06"	90° 13' 41.04"
204	3,631,888.31	420,216.71	29° 39' 03.07"	90° 13' 41.22"
203	3,631,883.60	419,714.35	29° 38' 58.09"	90° 13' 41.33"
202	3,631,875.70	419,210.30	29° 38' 53.10"	90° 13' 41.47"
201	3,631,867.44	418,706.68	29° 38' 48.12"	90° 13' 41.62"
200	3,631,861.20	418,203.86	29° 38' 43.14"	90° 13' 41.75"
199	3,631,852.58	417,693.79	29° 38' 38.09"	90° 13' 41.90"
198	3,631,846.64	417,206.88	29° 38' 33.28"	90° 13' 42.02"
197	3,631,841.62	416,719.77	29° 38' 28.45"	90° 13' 42.13"
196	3,631,833.65	416,230.64	29° 38' 23.61"	90° 13' 42.28"
195	3,631,828.80	415,742.84	29° 38' 18.78"	90° 13' 42.38"
194	3,631,820.20	415,253.85	29° 38' 13.94"	90° 13' 42.54"
193	3,631,813.08	414,766.03	29° 38' 09.12"	90° 13' 42.67"
192	3,631,805.34	414,276.82	29° 38' 04.27"	90° 13' 42.81"
191	3,631,800.04	413,787.94	29° 37' 59.43"	90° 13' 42.92"
190	3,631,790.86	413,298.20	29° 37' 54.59"	90° 13' 43.08"
189	3,631,785.62	412,810.43	29° 37' 49.76"	90° 13' 43.19"
188	3,631,773.02	412,320.56	29° 37' 44.91"	90° 13' 43.39"
187	3,631,771.14	411,830.64	29° 37' 40.06"	90° 13' 43.47"
186	3,631,763.26	411,325.46	29° 37' 35.06"	90° 13' 43.61"
185-1	3,631,760.01	411,058.84	29° 37' 32.42"	90° 13' 43.68"
185	3,631,756.13	410,800.72	29° 37' 29.87"	90° 13' 43.75"
184	3,631,748.62	410,264.73	29° 37' 24.56"	90° 13' 43.89"
183	3,631,740.86	409,733.56	29° 37' 19.31"	90° 13' 44.04"
182	3,631,731.24	409,198.67	29° 37' 14.01"	90° 13' 44.20"
181	3,631,726.54	408,666.90	29° 37' 08.75"	90° 13' 44.32"
180	3,631,719.33	408,138.50	29° 37' 03.52"	90° 13' 44.46"
179	3,631,710.21	407,600.42	29° 36' 58.19"	90° 13' 44.62"
178	3,631,702.79	407,070.17	29° 36' 52.94"	90° 13' 44.76"
177	3,631,697.08	406,537.34	29° 36' 47.67"	90° 13' 44.88"
176	3,631,689.50	406,032.60	29° 36' 42.67"	90° 13' 45.02"
175	3,631,681.45	405,524.65	29° 36' 37.65"	90° 13' 45.17"
174	3,631,675.62	405,017.16	29° 36' 32.62"	90° 13' 45.29"
173	3,631,667.38	404,511.37	29° 36' 27.62"	90° 13' 45.44"
172	3,631,660.58	404,002.83	29° 36' 22.58"	90° 13' 45.57"
171	3,631,653.14	403,494.16	29° 36' 17.55"	90° 13' 45.71"
170	3,631,646.04	402,987.76	29° 36' 12.54"	90° 13' 45.85"
169	3,631,638.17	402,480.66	29° 36' 07.52"	90° 13' 45.99"
168	3,631,632.32	401,973.90	29° 36' 02.50"	90° 13' 46.11"
167	3,631,618.06	401,466.25	29° 35' 57.48"	90° 13' 46.33"
166	3,631,618.86	400,957.74	29° 35' 52.44"	90° 13' 46.38"
165	3,631,610.45	400,451.96	29° 35' 47.44"	90° 13' 46.53"
164	3,631,600.82	399,940.78	29° 35' 42.38"	90° 13' 46.69"
163	3,631,595.61	399,436.82	29° 35' 37.39"	90° 13' 46.81"
162	3,631,589.38	398,929.37	29° 35' 32.37"	90° 13' 46.93"
161	3,631,583.31	398,423.15	29° 35' 27.36"	90° 13' 47.06"
160	3,631,574.70	397,914.24	29° 35' 22.32"	90° 13' 47.21"
159	3,631,567.43	397,405.80	29° 35' 17.29"	90° 13' 47.35"
158	3,631,567.10	396,897.78	29° 35' 12.26"	90° 13' 47.41"

STR. NO.	COORDINATES (NAD 83)		COORDINATES	
	X	Y	LATITUDE	LONGITUDE
157	3,631,549.94	396,390.96	29° 35' 07.24"	90° 13' 47.66"
156	3,631,548.40	395,881.85	29° 35' 02.20"	90° 13' 47.73"
155	3,631,539.95	395,372.67	29° 34' 57.16"	90° 13' 47.88"
154	3,631,535.34	394,868.70	29° 34' 52.17"	90° 13' 47.99"
153	3,631,525.06	394,353.11	29° 34' 47.07"	90° 13' 48.16"
152	3,631,519.45	393,847.64	29° 34' 42.07"	90° 13' 48.28"
151	3,631,511.93	393,340.46	29° 34' 37.05"	90° 13' 48.42"
150	3,631,505.52	392,832.45	29° 34' 32.02"	90° 13' 48.55"
149	3,631,497.14	392,320.65	29° 34' 26.95"	90° 13' 48.70"
148	3,631,488.53	391,816.09	29° 34' 21.96"	90° 13' 48.85"
147	3,631,482.49	391,309.45	29° 34' 16.95"	90° 13' 48.97"
146	3,631,475.53	390,800.92	29° 34' 11.91"	90° 13' 49.11"
145	3,631,465.62	390,301.04	29° 34' 06.96"	90° 13' 49.27"
144	3,631,461.46	389,925.43	29° 34' 03.25"	90° 13' 49.36"
143-1	3,631,452.49	389,536.22	29° 33' 59.40"	90° 13' 49.51"
143	3,631,448.81	389,035.11	29° 33' 54.43"	90° 13' 49.60"
142	3,631,442.07	388,508.57	29° 33' 49.22"	90° 13' 49.74"
141	3,631,436.39	388,046.08	29° 33' 44.65"	90° 13' 49.85"
140	3,631,432.91	387,747.75	29° 33' 41.69"	90° 13' 49.92"
139	3,631,424.47	387,239.32	29° 33' 36.66"	90° 13' 50.07"
138	3,631,416.96	386,730.06	29° 33' 31.62"	90° 13' 50.22"
137	3,631,410.92	386,220.82	29° 33' 26.58"	90° 13' 50.34"
136	3,631,405.57	385,710.97	29° 33' 21.53"	90° 13' 50.46"
135	3,631,396.05	385,163.62	29° 33' 16.12"	90° 13' 50.62"
134	3,631,391.45	384,821.13	29° 33' 12.73"	90° 13' 50.71"
133	3,631,383.41	384,269.55	29° 33' 07.27"	90° 13' 50.86"
132	3,631,376.27	383,763.26	29° 33' 02.25"	90° 13' 51.00"
131	3,631,368.75	383,258.28	29° 32' 57.26"	90° 13' 51.14"
130	3,631,366.52	382,750.77	29° 32' 52.23"	90° 13' 51.22"
129	3,631,356.57	382,247.06	29° 32' 47.25"	90° 13' 51.39"
128	3,631,349.32	381,741.34	29° 32' 42.24"	90° 13' 51.52"
127	3,631,340.48	381,228.53	29° 32' 37.17"	90° 13' 51.68"
126	3,631,336.19	380,728.57	29° 32' 32.22"	90° 13' 51.78"
125	3,631,328.52	380,221.48	29° 32' 27.20"	90° 13' 51.93"
124	3,631,322.04	379,715.75	29° 32' 22.19"	90° 13' 52.05"
123	3,631,313.78	379,198.96	29° 32' 17.08"	90° 13' 52.20"
122	3,631,307.35	378,703.34	29° 32' 12.17"	90° 13' 52.33"
121	3,631,300.58	378,198.59	29° 32' 07.18"	90° 13' 52.46"
120	3,631,294.01	377,772.16	29° 32' 02.95"	90° 13' 52.58"
119	3,631,288.10	377,344.47	29° 31' 58.72"	90° 13' 52.70"
118	3,631,278.73	376,769.44	29° 31' 53.03"	90° 13' 52.86"
117	3,631,270.71	376,301.22	29° 31' 48.40"	90° 13' 53.01"
116	3,631,263.61	375,786.54	29° 31' 43.30"	90° 13' 53.14"
115	3,631,254.35	375,284.17	29° 31' 38.33"	90° 13' 53.30"
114	3,631,247.45	374,776.04	29° 31' 33.30"	90° 13' 53.44"
113	3,631,244.60	374,287.51	29° 31' 28.46"	90° 13' 53.52"
112	3,631,236.22	373,774.91	29° 31' 23.39"	90° 13' 53.67"
111	3,631,231.39	373,288.67	29° 31' 18.58"	90° 13' 53.78"
110	3,631,215.56	372,708.40	29° 31' 12.84"	90° 13' 54.02"
109	3,631,215.37	372,224.12	29° 31' 08.04"	90° 13' 54.08"
108	3,631,208.31	371,730.92	29° 31' 03.16"	90° 13' 54.21"
107	3,631,202.79	371,219.67	29° 30' 58.10"	90° 13' 54.33"
106	3,631,192.36	370,714.54	29° 30' 53.10"	90° 13' 54.50"

THESE PLATS ARE TO BE USED EXCLUSIVELY FOR THE ACQUISITION OF REGULATORY PERMITS.

DRAWN BY:	SPM	APPROVED BY:	MDT
DATE:	07/06/2021	JOB NO:	2021.0252
DRAWING NAME:		210252P- 3_REV.DWG	
SHEET NO:	39B	OF	41

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

NOT TO SCALE

REMOVED STR COORDINATES

ENTERGY LOUISIANA, LLC

PROPOSED REMOVAL OF EXISTING STRUCTURES
ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE
LAFOURCHE & JEFFERSON PARISHES, LOUISIANA

T. BAKER SMITH
A CENTURY OF SOLUTIONS
412 South Van Avenue, Houma, LA 70363
(985)868-1868 - tbsmith.com

REV. NO:	01	REV. DATE: 12/06/2021	REV. BY:	SPM

REVISION DESCRIPTION:
ADDED REPLACEMENT STRUCTURES.

12/3/2021 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 3_REV.DWG

STR. NO.	COORDINATES (NAD 83)		COORDINATES	
	X	Y	LATITUDE	LONGITUDE
105	3,631,188.15	370,198.10	29° 30' 47.99"	90° 13' 54.61"
104	3,631,177.25	369,703.97	29° 30' 43.10"	90° 13' 54.78"
103	3,631,165.40	369,082.91	29° 30' 36.95"	90° 13' 54.98"
102	3,631,317.09	368,587.02	29° 30' 32.03"	90° 13' 53.32"
101	3,631,471.79	368,093.82	29° 30' 27.13"	90° 13' 51.62"
100	3,631,624.12	367,604.01	29° 30' 22.27"	90° 13' 49.95"
99	3,631,768.70	367,114.00	29° 30' 17.40"	90° 13' 48.37"
98	3,631,920.92	366,623.92	29° 30' 12.54"	90° 13' 46.70"
97	3,632,069.04	366,133.07	29° 30' 07.66"	90° 13' 45.08"
96	3,632,222.01	365,646.67	29° 30' 02.83"	90° 13' 43.40"
95	3,632,370.21	365,156.57	29° 29' 57.97"	90° 13' 41.78"
94	3,632,529.09	364,630.47	29° 29' 52.74"	90° 13' 40.04"
93	3,632,691.09	364,102.99	29° 29' 47.51"	90° 13' 38.26"
92	3,632,852.90	363,576.92	29° 29' 42.28"	90° 13' 36.49"
91	3,632,889.12	363,012.26	29° 29' 36.69"	90° 13' 36.14"
90	3,632,897.20	362,561.11	29° 29' 32.22"	90° 13' 36.10"
89	3,632,893.35	361,977.28	29° 29' 26.45"	90° 13' 36.21"
88	3,632,828.80	361,434.77	29° 29' 21.08"	90° 13' 36.99"
87	3,632,767.76	360,929.63	29° 29' 16.09"	90° 13' 37.74"
86	3,632,701.50	360,390.56	29° 29' 10.76"	90° 13' 38.55"
85	3,632,640.61	359,876.15	29° 29' 05.67"	90° 13' 39.29"
84	3,632,572.83	359,353.03	29° 29' 00.50"	90° 13' 40.12"
83	3,632,509.06	358,826.73	29° 28' 55.29"	90° 13' 40.90"
82	3,632,443.81	358,302.81	29° 28' 50.11"	90° 13' 41.69"
81	3,632,375.53	357,744.17	29° 28' 44.59"	90° 13' 42.53"
80	3,632,317.63	357,252.71	29° 28' 39.73"	90° 13' 43.23"
79	3,632,252.64	356,726.99	29° 28' 34.53"	90° 13' 44.03"
78	3,632,165.77	356,131.47	29° 28' 28.65"	90° 13' 45.08"
77	3,632,096.91	355,536.77	29° 28' 22.77"	90° 13' 45.92"
76	3,632,034.02	354,940.71	29° 28' 16.87"	90° 13' 46.70"
75	3,631,976.08	354,448.81	29° 28' 12.01"	90° 13' 47.40"
74	3,631,913.30	353,956.33	29° 28' 07.14"	90° 13' 48.17"
73	3,631,855.16	353,465.84	29° 28' 02.29"	90° 13' 48.88"
72	3,631,791.75	352,971.54	29° 27' 57.40"	90° 13' 49.65"
71	3,631,731.50	352,482.05	29° 27' 52.56"	90° 13' 50.39"
70	3,631,676.07	351,997.99	29° 27' 47.77"	90° 13' 51.07"
69	3,631,615.71	351,500.81	29° 27' 42.86"	90° 13' 51.80"
68	3,631,523.96	350,740.11	29° 27' 35.34"	90° 13' 52.92"
67	3,631,494.64	350,498.16	29° 27' 32.94"	90° 13' 53.28"
66	3,631,434.85	350,021.15	29° 27' 28.23"	90° 13' 54.01"
65	3,631,372.91	349,536.80	29° 27' 23.44"	90° 13' 54.76"
64	3,631,316.48	349,067.07	29° 27' 18.79"	90° 13' 55.45"
63	3,631,250.91	348,555.10	29° 27' 13.73"	90° 13' 56.25"
62	3,631,196.63	348,064.55	29° 27' 08.88"	90° 13' 56.92"
61	3,631,137.09	347,574.06	29° 27' 04.03"	90° 13' 57.64"
60	3,631,074.90	347,065.34	29° 26' 59.00"	90° 13' 58.40"
59	3,631,016.13	346,591.33	29° 26' 54.32"	90° 13' 59.12"
58	3,630,954.30	346,097.48	29° 26' 49.43"	90° 13' 59.87"
57	3,630,893.48	345,610.77	29° 26' 44.62"	90° 14' 00.61"
56	3,630,832.89	345,120.23	29° 26' 39.77"	90° 14' 01.35"
55	3,630,829.41	344,599.17	29° 26' 34.61"	90° 14' 01.45"
54	3,630,822.37	344,078.91	29° 26' 29.46"	90° 14' 01.58"

STR. NO.	COORDINATES (NAD 83)		COORDINATES	
	X	Y	LATITUDE	LONGITUDE
53	3,630,813.42	343,550.19	29° 26' 24.23"	90° 14' 01.74"
52	3,630,807.05	343,009.16	29° 26' 18.87"	90° 14' 01.87"
51	3,630,798.44	342,461.68	29° 26' 13.46"	90° 14' 02.03"
50	3,630,792.19	341,950.70	29° 26' 08.40"	90° 14' 02.15"
49	3,630,782.72	341,366.68	29° 26' 02.62"	90° 14' 02.32"
48	3,630,776.45	340,988.34	29° 25' 58.87"	90° 14' 02.44"
47	3,630,768.00	340,407.85	29° 25' 53.13"	90° 14' 02.59"
46-1	3,630,763.56	340,073.93	29° 25' 49.82"	90° 14' 02.68"
46	3,630,758.31	339,727.77	29° 25' 46.40"	90° 14' 02.78"
45	3,630,751.97	339,170.15	29° 25' 40.88"	90° 14' 02.91"
44	3,630,745.67	338,685.87	29° 25' 36.08"	90° 14' 03.03"
43	3,630,740.82	338,205.78	29° 25' 31.33"	90° 14' 03.14"
42	3,630,730.72	337,606.03	29° 25' 25.39"	90° 14' 03.32"
41	3,630,725.62	337,268.38	29° 25' 22.05"	90° 14' 03.41"
40	3,630,718.21	336,683.59	29° 25' 16.26"	90° 14' 03.56"
39	3,630,711.58	336,224.47	29° 25' 11.72"	90° 14' 03.69"
38	3,630,703.94	335,713.69	29° 25' 06.66"	90° 14' 03.83"
37	3,630,699.27	335,203.77	29° 25' 01.62"	90° 14' 03.94"
36	3,630,687.83	334,694.51	29° 24' 56.58"	90° 14' 04.12"
35	3,630,681.96	334,184.64	29° 24' 51.53"	90° 14' 04.24"
34	3,630,674.63	333,673.54	29° 24' 46.47"	90° 14' 04.38"
33	3,630,669.54	333,202.12	29° 24' 41.81"	90° 14' 04.49"
32	3,630,661.09	332,691.56	29° 24' 36.75"	90° 14' 04.64"
31	3,630,652.03	332,083.56	29° 24' 30.73"	90° 14' 04.81"
30	3,630,639.83	331,548.35	29° 24' 25.44"	90° 14' 05.00"
29	3,630,638.48	331,075.67	29° 24' 20.76"	90° 14' 05.07"
28	3,630,629.80	330,539.13	29° 24' 15.45"	90° 14' 05.23"
27	3,630,620.89	330,004.71	29° 24' 10.16"	90° 14' 05.39"
26	3,630,613.43	329,469.53	29° 24' 04.86"	90° 14' 05.53"
25	3,630,607.09	328,935.15	29° 23' 59.57"	90° 14' 05.66"
24	3,630,599.69	328,399.60	29° 23' 54.27"	90° 14' 05.80"
23	3,630,591.24	327,858.05	29° 23' 48.91"	90° 14' 05.95"
22	3,630,583.14	327,330.70	29° 23' 43.69"	90° 14' 06.10"
21	3,630,574.21	326,649.33	29° 23' 36.95"	90° 14' 06.28"
20	3,630,569.84	326,295.17	29° 23' 33.44"	90° 14' 06.37"
19	3,630,562.67	325,879.44	29° 23' 29.33"	90° 14' 06.49"
18	3,630,555.56	325,462.40	29° 23' 25.20"	90° 14' 06.62"
17	3,630,549.82	324,988.23	29° 23' 20.51"	90° 14' 06.73"
16	3,630,544.04	324,509.70	29° 23' 15.77"	90° 14' 06.85"
15	3,630,539.19	324,032.50	29° 23' 11.05"	90° 14' 06.96"
14	3,630,019.21	323,907.52	29° 23' 09.86"	90° 14' 12.85"
13	3,629,506.64	323,781.68	29° 23' 08.66"	90° 14' 18.65"
12	3,628,983.27	323,654.78	29° 23' 07.45"	90° 14' 24.58"
11	3,628,458.39	323,527.90	29° 23' 06.25"	90° 14' 30.53"
10	3,627,934.35	323,398.68	29° 23' 05.02"	90° 14' 36.47"
9	3,627,470.08	323,284.96	29° 23' 03.94"	90° 14' 41.73"
8	3,626,983.95	323,167.52	29° 23' 02.82"	90° 14' 47.24"
7	3,626,352.64	323,015.20	29° 23' 01.37"	90° 14' 54.39"
6	3,625,836.96	322,889.42	29° 23' 00.17"	90° 15' 00.23"
5	3,625,349.11	322,772.31	29° 22' 59.06"	90° 15' 05.76"
4	3,624,865.88	322,635.27	29° 22' 57.75"	90° 15' 11.23"
3	3,624,420.20	322,547.41	29° 22' 56.92"	90° 15' 16.28"
2	3,623,982.08	322,440.05	29° 22' 55.90"	90° 15' 21.24"
1	3,623,534.87	322,331.24	29° 22' 54.86"	90° 15' 26.31"

THESE PLATS ARE TO BE USED EXCLUSIVELY FOR THE ACQUISITION OF REGULATORY PERMITS.

DRAWN BY:	SPM	APPROVED BY:	MDT
DATE:	07/06/2021	JOB NO:	2021.0252
DRAWING NAME:		210252P- 3_REV.DWG	
SHEET NO:	39C	OF	41

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

NOT TO SCALE

REMOVED STR COORDINATES

ENTERGY LOUISIANA, LLC

PROPOSED REMOVAL OF EXISTING STRUCTURES
ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE
LAFOURCHE & JEFFERSON PARISHES, LOUISIANA

T. BAKER SMITH
A CENTURY OF SOLUTIONS
412 South Van Ave, Houma, LA 70363
(985)868-1868 - tbsmith.com

REV. NO:	01	REV. DATE: 12/06/2021	REV. BY:	SPM

REVISION DESCRIPTION:
ADDED REPLACEMENT STRUCTURES.

12/3/2021 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 3_REV.DWG

STR. NO.	COORDINATES (NAD 83)		COORDINATES	
	X	Y	LATITUDE	LONGITUDE
315	3,662,808.36	460,254.71	29° 45' 36.32"	90° 07' 46.04"
315	3,662,803.75	460,219.66	29° 45' 35.98"	90° 07' 46.09"
315	3,662,799.14	460,184.61	29° 45' 35.63"	90° 07' 46.15"
314	3,662,633.66	460,466.86	29° 45' 38.44"	90° 07' 48.00"
313	3,662,409.84	460,794.36	29° 45' 41.71"	90° 07' 50.50"
312	3,662,150.27	461,165.50	29° 45' 45.41"	90° 07' 53.40"
311	3,661,888.90	461,533.46	29° 45' 49.08"	90° 07' 56.32"
310	3,661,630.48	461,904.59	29° 45' 52.78"	90° 07' 59.21"
309	3,661,380.04	462,254.54	29° 45' 56.27"	90° 08' 02.01"
308	3,661,121.86	462,616.69	29° 45' 59.88"	90° 08' 04.89"
308	3,661,105.86	462,603.09	29° 45' 59.75"	90° 08' 05.08"
307	3,660,853.63	462,902.78	29° 46' 02.74"	90° 08' 07.90"
307	3,660,858.98	462,873.26	29° 46' 02.45"	90° 08' 07.84"
307	3,660,864.33	462,843.74	29° 46' 02.15"	90° 08' 07.79"
306	3,660,665.02	462,410.60	29° 45' 57.89"	90° 08' 10.10"
305	3,660,459.74	461,930.88	29° 45' 53.16"	90° 08' 12.49"
304	3,660,257.98	461,449.86	29° 45' 48.42"	90° 08' 14.83"
303	3,660,047.65	460,962.42	29° 45' 43.62"	90° 08' 17.28"
302	3,659,834.82	460,466.56	29° 45' 38.73"	90° 08' 19.75"
301	3,659,635.50	459,992.12	29° 45' 34.05"	90° 08' 22.07"
300	3,659,434.82	459,514.80	29° 45' 29.35"	90° 08' 24.40"
299	3,659,228.59	459,031.99	29° 45' 24.59"	90° 08' 26.80"
298	3,659,023.61	458,547.46	29° 45' 19.82"	90° 08' 29.18"
297	3,658,815.20	458,056.74	29° 45' 14.98"	90° 08' 31.60"
296	3,658,611.92	457,579.30	29° 45' 10.27"	90° 08' 33.96"
295	3,658,383.27	457,085.77	29° 45' 05.41"	90° 08' 36.62"
295	3,658,413.27	457,085.32	29° 45' 05.40"	90° 08' 36.28"
295	3,658,443.27	457,084.87	29° 45' 05.40"	90° 08' 35.94"
294	3,658,579.26	456,634.07	29° 45' 00.92"	90° 08' 34.45"
293	3,658,760.96	456,166.30	29° 44' 56.27"	90° 08' 32.44"
292	3,658,937.67	455,715.15	29° 44' 51.79"	90° 08' 30.49"
291	3,659,110.85	455,270.86	29° 44' 47.37"	90° 08' 28.58"
290	3,659,287.63	454,816.81	29° 44' 42.86"	90° 08' 26.62"
289	3,659,426.74	454,353.62	29° 44' 38.26"	90° 08' 25.10"
289	3,659,456.25	454,348.23	29° 44' 38.20"	90° 08' 24.77"
289	3,659,485.76	454,342.84	29° 44' 38.15"	90° 08' 24.43"
288	3,658,924.21	453,756.06	29° 44' 32.4""	90° 08' 30.87"
288	3,658,950.19	453,786.48	29° 44' 32.69"	90° 08' 30.57"
288	3,658,954.63	453,730.08	29° 44' 32.13"	90° 08' 30.53"
288	3,658,980.61	453,760.50	29° 44' 32.43"	90° 08' 30.23"
287	3,658,545.79	453,313.49	29° 44' 28.06"	90° 08' 35.22"
287	3,658,576.29	453,287.45	29° 44' 27.80"	90° 08' 34.88"
287	3,658,550.16	453,257.00	29° 44' 27.50"	90° 08' 35.18"
287	3,658,519.81	453,283.02	29° 44' 27.76"	90° 08' 35.52"
286	3,658,002.74	452,679.17	29° 44' 21.83"	90° 08' 41.45"
286	3,658,028.74	452,709.57	29° 44' 22.13"	90° 08' 41.15"
286	3,658,033.14	452,653.17	29° 44' 21.57"	90° 08' 41.11"
286	3,658,059.14	452,683.57	29° 44' 21.87"	90° 08' 40.81"
285	3,657,478.49	452,072.69	29° 44' 15.88"	90° 08' 47.47"
285	3,657,497.51	452,056.47	29° 44' 15.72"	90° 08' 47.26"
285	3,657,516.53	452,040.25	29° 44' 15.55"	90° 08' 47.04"
284	3,657,210.98	451,720.12	29° 44' 12.42"	90° 08' 50.54"
283	3,656,909.64	451,366.50	29° 44' 08.95"	90° 08' 54.00"

STR. NO.	COORDINATES (NAD 83)		COORDINATES	
	X	Y	LATITUDE	LONGITUDE
282	3,656,597.84	451,001.17	29° 44' 05.36"	90° 08' 57.58"
281	3,656,278.81	450,634.38	29° 44' 01.76"	90° 09' 01.25"
280	3,655,967.16	450,265.63	29° 43' 58.15"	90° 09' 04.82"
279	3,655,656.06	449,893.63	29° 43' 54.5""	90° 09' 08.40"
278	3,655,361.96	449,517.13	29° 43' 50.80"	90° 09' 11.78"
277	3,655,072.33	449,132.59	29° 43' 47.02"	90° 09' 15.11"
276	3,654,788.46	448,757.22	29° 43' 43.33"	90° 09' 18.37"
275	3,654,501.98	448,379.35	29° 43' 39.62"	90° 09' 21.66"
274	3,654,217.51	447,997.60	29° 43' 35.87"	90° 09' 24.93"
273	3,653,939.15	447,629.44	29° 43' 32.26"	90° 09' 28.13"
272	3,653,667.49	447,270.28	29° 43' 28.73"	90° 09' 31.26"
271	3,653,455.20	446,987.17	29° 43' 25.95"	90° 09' 33.70"
270	3,653,193.58	446,638.89	29° 43' 22.53"	90° 09' 36.70"
269	3,652,895.68	446,243.11	29° 43' 18.64"	90° 09' 40.13"
268	3,652,589.88	445,839.32	29° 43' 14.67"	90° 09' 43.64"
267	3,652,282.74	445,432.02	29° 43' 10.67"	90° 09' 47.17"
266	3,651,979.15	445,029.95	29° 43' 06.72"	90° 09' 50.66"
265	3,651,672.05	444,623.57	29° 43' 02.73"	90° 09' 54.19"
264	3,651,371.26	444,223.57	29° 42' 58.80"	90° 09' 57.65"
263	3,651,062.32	443,814.91	29° 42' 54.79"	90° 10' 01.20"
262	3,650,732.46	443,417.50	29° 42' 50.89"	90° 10' 04.99"
262	3,650,752.41	443,402.43	29° 42' 50.74"	90° 10' 04.76"
262	3,650,772.36	443,387.36	29° 42' 50.58"	90° 10' 04.54"
261	3,650,452.09	443,006.73	29° 42' 46.85"	90° 10' 08.21"
260	3,650,145.84	442,599.62	29° 42' 42.85"	90° 10' 11.73"
259	3,649,842.82	442,197.44	29° 42' 38.90"	90° 10' 15.22"
258	3,649,537.12	441,790.42	29° 42' 34.90"	90° 10' 18.73"
257	3,649,232.60	441,385.92	29° 42' 30.93"	90° 10' 22.23"
256	3,648,927.03	440,982.18	29° 42' 26.96"	90° 10' 25.74"
255	3,648,622.72	440,576.49	29° 42' 22.98"	90° 10' 29.24"
254	3,648,316.92	440,170.64	29° 42' 18.99"	90° 10' 32.75"
253	3,648,008.93	439,763.28	29° 42' 14.99"	90° 10' 36.29"
252	3,647,701.35	439,356.41	29° 42' 10.99"	90° 10' 39.82"
251	3,647,393.18	438,947.49	29° 42' 06.97"	90° 10' 43.37"
250	3,647,050.96	438,497.11	29° 42' 02.55"	90° 10' 47.30"
249	3,646,785.24	438,143.17	29° 41' 59.07"	90° 10' 50.35"
248	3,646,480.31	437,736.97	29° 41' 55.08"	90° 10' 53.85"
247	3,646,177.11	437,337.73	29° 41' 51.16"	90° 10' 57.34"
246	3,645,869.30	436,926.58	29° 41' 47.12"	90° 11' 00.87"
245	3,645,565.44	436,523.58	29° 41' 43.16"	90° 11' 04.37"
244	3,645,259.46	436,116.88	29° 41' 39.16"	90° 11' 07.88"
243	3,644,947.55	435,702.68	29° 41' 35.09"	90° 11' 11.46"
242	3,644,639.32	435,294.74	29° 41' 31.09"	90° 11' 15.01"
241	3,644,319.34	434,875.05	29° 41' 26.96"	90° 11' 18.68"
240	3,643,994.38	434,485.05	29° 41' 23.14"	90° 11' 22.41"
240	3,644,014.33	434,469.98	29° 41' 22.98"	90° 11' 22.18"
240	3,644,034.28	434,454.91	29° 41' 22.83"	90° 11' 21.96"
239	3,643,667.33	434,028.55	29° 41' 18.65"	90° 11' 26.17"
239	3,643,683.27	434,016.47	29° 41' 18.53"	90° 11' 25.99"
238	3,642,762.31	432,833.94	29° 41' 06.91"	90° 11' 36.56"
238	3,642,778.31	432,821.94	29° 41' 06.79"	90° 11' 36.38"
237	3,642,402.80	432,375.38	29° 41' 02.41"	90° 11' 40.69"
237	3,642,422.76	432,360.32	29° 41' 02.26"	90° 11' 40.47"
237	3,642,442.72	432,345.26	29° 41' 02.11"	90° 11' 40.24"

THESE PLATS ARE TO BE USED EXCLUSIVELY FOR THE ACQUISITION OF REGULATORY PERMITS.

DRAWN BY:	SPM	APPROVED BY:	MDT
DATE:	12/06/2021	JOB NO:	2021.0252
DRAWING NAME:		210252P- 3_REV.DWG	
SHEET NO:	40A	OF	41

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

NOT TO SCALE

PROPOSED STR COORDINATES

ENTERGY LOUISIANA, LLC

PROPOSED REMOVAL/REPLACEMENT OF EXISTING STRUCTURES
ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE
LAFOURCHE & JEFFERSON PARISHES, LOUISIANA

T. BAKER SMITH
A CENTURY OF SOLUTIONS
412 South Van Avenue, Houma, LA 70363
(985)868-1666 - tbsmith.com

REV. NO:	01	REV. DATE:	04/29/2022	REV. BY:	SPM

REVISION DESCRIPTION:
RELOCATED STR 287.

5/6/2022 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 3_REV.DWG

STR. NO.	COORDINATES (NAD 83) X	Y	COORDINATES LATITUDE	LONGITUDE
236	3,642,095.18	431,932.50	29° 40' 58.05"	90° 11' 44.23"
235	3,641,758.93	431,497.75	29° 40' 53.78"	90° 11' 48.09"
234	3,641,456.91	431,093.55	29° 40' 49.81"	90° 11' 51.56"
233	3,641,201.28	430,754.71	29° 40' 46.48"	90° 11' 54.49"
232	3,640,890.40	430,344.71	29° 40' 42.45"	90° 11' 58.06"
231	3,640,581.51	429,939.09	29° 40' 38.47"	90° 12' 01.61"
230	3,640,273.63	429,542.99	29° 40' 34.58"	90° 12' 05.15"
229	3,639,960.15	429,150.77	29° 40' 30.73"	90° 12' 08.74"
228	3,639,639.52	428,769.76	29° 40' 26.99"	90° 12' 12.42"
227	3,639,316.95	428,388.20	29° 40' 23.24"	90° 12' 16.12"
226	3,639,014.98	428,025.33	29° 40' 19.68"	90° 12' 19.58"
225	3,638,674.99	427,618.78	29° 40' 15.69"	90° 12' 23.48"
224	3,638,354.73	427,234.56	29° 40' 11.91"	90° 12' 27.16"
223	3,638,033.66	426,846.28	29° 40' 08.10"	90° 12' 30.84"
222	3,637,694.40	426,478.26	29° 40' 04.49"	90° 12' 34.72"
222	3,637,715.31	426,456.75	29° 40' 04.28"	90° 12' 34.49"
222	3,637,736.22	426,435.24	29° 40' 04.06"	90° 12' 34.26"
221	3,637,311.93	426,145.71	29° 40' 01.24"	90° 12' 39.10"
220	3,636,912.28	425,828.58	29° 39' 58.14"	90° 12' 43.66"
219	3,636,512.33	425,508.43	29° 39' 55.01"	90° 12' 48.23"
218	3,636,107.39	425,195.21	29° 39' 51.94"	90° 12' 52.86"
217	3,635,707.91	424,883.62	29° 39' 48.90"	90° 12' 57.42"
216	3,635,298.87	424,554.59	29° 39' 45.68"	90° 13' 02.09"
215	3,634,911.66	424,234.19	29° 39' 42.55"	90° 13' 06.51"
214	3,634,488.76	423,929.63	29° 39' 39.57"	90° 13' 11.34"
214	3,634,497.77	423,910.66	29° 39' 39.38"	90° 13' 11.24"
213	3,633,985.96	423,793.98	29° 39' 38.28"	90° 13' 17.06"
212	3,633,472.00	423,671.10	29° 39' 37.11"	90° 13' 22.89"
211	3,632,962.47	423,551.64	29° 39' 35.98"	90° 13' 28.68"
210	3,632,444.86	423,427.91	29° 39' 34.80"	90° 13' 34.56"
209	3,631,909.63	423,316.87	29° 39' 33.75"	90° 13' 40.64"
209	3,631,933.20	423,298.32	29° 39' 33.57"	90° 13' 40.38"
209	3,631,956.77	423,279.77	29° 39' 33.38"	90° 13' 40.11"
208	3,631,904.77	422,524.84	29° 39' 25.91"	90° 13' 40.78"
208	3,631,905.26	422,564.83	29° 39' 26.31"	90° 13' 40.77"
208	3,631,944.76	422,524.35	29° 39' 25.91"	90° 13' 40.33"
208	3,631,945.25	422,564.34	29° 39' 26.30"	90° 13' 40.32"
207	3,631,895.88	421,872.79	29° 39' 19.46"	90° 13' 40.95"
207	3,631,896.49	421,912.78	29° 39' 19.86"	90° 13' 40.94"
207	3,631,935.87	421,872.18	29° 39' 19.45"	90° 13' 40.50"
207	3,631,936.48	421,912.17	29° 39' 19.85"	90° 13' 40.49"
206	3,631,880.08	421,239.44	29° 39' 13.19"	90° 13' 41.20"
206	3,631,905.08	421,239.07	29° 39' 13.19"	90° 13' 40.92"
206	3,631,930.08	421,238.70	29° 39' 13.18"	90° 13' 40.64"
205	3,631,898.50	420,729.85	29° 39' 08.15"	90° 13' 41.05"
204	3,631,888.59	420,224.95	29° 39' 03.15"	90° 13' 41.22"
203	3,631,883.59	419,722.84	29° 38' 58.18"	90° 13' 41.33"
202	3,631,875.77	419,217.87	29° 38' 53.18"	90° 13' 41.47"
201	3,631,867.54	418,714.21	29° 38' 48.2""	90° 13' 41.62"
200	3,631,861.42	418,211.75	29° 38' 43.22"	90° 13' 41.75"
199	3,631,852.69	417,702.93	29° 38' 38.19"	90° 13' 41.90"
198	3,631,846.75	417,214.32	29° 38' 33.35"	90° 13' 42.02"
197	3,631,841.68	416,726.69	29° 38' 28.52"	90° 13' 42.13"

STR. NO.	COORDINATES (NAD 83) X	Y	COORDINATES LATITUDE	LONGITUDE
196	3,631,833.67	416,238.58	29° 38' 23.69"	90° 13' 42.28"
195	3,631,828.95	415,750.26	29° 38' 18.86"	90° 13' 42.38"
194	3,631,820.36	415,260.87	29° 38' 14.01"	90° 13' 42.53"
193	3,631,813.21	414,773.70	29° 38' 09.19"	90° 13' 42.67"
192	3,631,805.50	414,283.62	29° 38' 04.34"	90° 13' 42.81"
191	3,631,800.12	413,793.73	29° 37' 59.49"	90° 13' 42.92"
190	3,631,790.98	413,303.68	29° 37' 54.64"	90° 13' 43.08"
189	3,631,785.72	412,815.09	29° 37' 49.81"	90° 13' 43.19"
188	3,631,772.93	412,315.66	29° 37' 44.86"	90° 13' 43.39"
187	3,631,746.13	411,835.05	29° 37' 40.11"	90° 13' 43.75"
187	3,631,771.13	411,834.81	29° 37' 40.10"	90° 13' 43.47"
187	3,631,796.13	411,834.57	29° 37' 40.10"	90° 13' 43.18"
186	3,631,753.10	411,317.53	29° 37' 34.98"	90° 13' 43.73"
186	3,631,773.10	411,317.24	29° 37' 34.98"	90° 13' 43.50"
185	3,631,746.68	410,842.58	29° 37' 30.28"	90° 13' 43.85"
185	3,631,766.68	410,842.30	29° 37' 30.28"	90° 13' 43.62"
184	3,631,723.63	410,273.48	29° 37' 24.65"	90° 13' 44.17"
184	3,631,748.63	410,273.12	29° 37' 24.65"	90° 13' 43.89"
184	3,631,773.63	410,272.76	29° 37' 24.64"	90° 13' 43.61"
183	3,631,741.02	409,741.75	29° 37' 19.39"	90° 13' 44.04"
182	3,631,731.33	409,204.94	29° 37' 14.07"	90° 13' 44.20"
181	3,631,726.58	408,674.14	29° 37' 08.82"	90° 13' 44.32"
180	3,631,719.33	408,138.50	29° 37' 03.52"	90° 13' 44.46"
179	3,631,710.37	407,608.90	29° 36' 58.28"	90° 13' 44.62"
178	3,631,702.89	407,076.90	29° 36' 53.01"	90° 13' 44.76"
177	3,631,697.16	406,541.63	29° 36' 47.71"	90° 13' 44.88"
176	3,631,689.60	406,036.83	29° 36' 42.72"	90° 13' 45.02"
175	3,631,681.55	405,529.59	29° 36' 37.7""	90° 13' 45.17"
174	3,631,675.66	405,020.71	29° 36' 32.66"	90° 13' 45.29"
173	3,631,667.53	404,514.94	29° 36' 27.65"	90° 13' 45.44"
172	3,631,660.60	404,006.23	29° 36' 22.62"	90° 13' 45.57"
171	3,631,653.22	403,500.22	29° 36' 17.61"	90° 13' 45.71"
170	3,631,645.94	402,979.17	29° 36' 12.45"	90° 13' 45.85"
169	3,631,638.13	402,468.92	29° 36' 07.40"	90° 13' 45.99"
168	3,631,631.98	401,963.41	29° 36' 02.40"	90° 13' 46.12"
167	3,631,618.03	401,455.89	29° 35' 57.38"	90° 13' 46.33"
166	3,631,618.98	400,966.88	29° 35' 52.53"	90° 13' 46.38"
165	3,631,610.59	400,457.40	29° 35' 47.49"	90° 13' 46.53"
164	3,631,600.97	399,947.34	29° 35' 42.44"	90° 13' 46.69"
163	3,631,595.65	399,443.39	29° 35' 37.46"	90° 13' 46.81"
162	3,631,589.38	398,929.37	29° 35' 32.37"	90° 13' 46.93"
161	3,631,583.51	398,428.82	29° 35' 27.41"	90° 13' 47.05"
160	3,631,574.87	397,917.96	29° 35' 22.36"	90° 13' 47.21"
159	3,631,542.60	397,410.70	29° 35' 17.34"	90° 13' 47.63"
159	3,631,567.60	397,410.42	29° 35' 17.33"	90° 13' 47.35"
159	3,631,592.60	397,410.14	29° 35' 17.33"	90° 13' 47.06"
158	3,631,563.49	396,901.49	29° 35' 12.30"	90° 13' 47.45"
157	3,631,550.04	396,396.78	29° 35' 07.30"	90° 13' 47.65"
156	3,631,548.42	395,886.65	29° 35' 02.25"	90° 13' 47.73"
155	3,631,540.11	395,379.77	29° 34' 57.23"	90° 13' 47.88"
154	3,631,535.42	394,874.24	29° 34' 52.23"	90° 13' 47.99"
153	3,631,525.33	394,365.70	29° 34' 47.20"	90° 13' 48.16"
152	3,631,519.24	393,837.50	29° 34' 41.97"	90° 13' 48.28"

THESE PLATS ARE TO BE USED EXCLUSIVELY FOR THE ACQUISITION OF REGULATORY PERMITS.

DRAWN BY: SPM	APPROVED BY: MDT
DATE: 12/06/2021	JOB NO: 2021.0252
DRAWING NAME: 210252P- 3_REV.DWG	
SHEET NO: 40B OF 41	
PROJECTION: LOUISIANA SOUTH ZONE GEO. DATUM: NAD83 | VERT. DATUM: NAVD88 GRID UNITS: US SURVEY FEET	
NOT TO SCALE	

PROPOSED STR COORDINATES

ENTERGY LOUISIANA, LLC

PROPOSED REMOVAL OF EXISTING STRUCTURES
ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE
LAFOURCHE & JEFFERSON PARISHES, LOUISIANA

T. BAKER SMITH
A CENTURY OF SOLUTIONS
412 South Van Ave, Houma, LA 70363
(985)868-1868 - tbsmith.com

REV. NO:	REV. DATE:	REV. BY:
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REVISION DESCRIPTION:
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12/3/2021 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 3_REV.DWG

STR. NO.	COORDINATES (NAD 83)		COORDINATES	
	X	Y	LATITUDE	LONGITUDE
151	3,631,511.82	393,335.76	29° 34' 37.00"	90° 13' 48.42"
150	3,631,505.52	392,832.45	29° 34' 32.02"	90° 13' 48.55"
149	3,631,497.26	392,329.84	29° 34' 27.05"	90° 13' 48.70"
148	3,631,488.60	391,820.61	29° 34' 22.01"	90° 13' 48.85"
147	3,631,482.45	391,313.95	29° 34' 16.99"	90° 13' 48.97"
146	3,631,475.62	390,811.28	29° 34' 12.02"	90° 13' 49.11"
145	3,631,465.75	390,308.45	29° 34' 07.04"	90° 13' 49.27"
144	3,631,459.24	389,785.53	29° 34' 01.86"	90° 13' 49.40"
143	3,631,451.91	389,275.60	29° 33' 56.82"	90° 13' 49.54"
142	3,631,445.43	388,767.05	29° 33' 51.78"	90° 13' 49.67"
141	3,631,439.27	388,285.82	29° 33' 47.02"	90° 13' 49.79"
140	3,631,433.00	387,755.70	29° 33' 41.77"	90° 13' 49.92"
139	3,631,424.13	387,217.91	29° 33' 36.45"	90° 13' 50.08"
138	3,631,416.63	386,701.95	29° 33' 31.34"	90° 13' 50.22"
137	3,631,410.65	386,190.29	29° 33' 26.28"	90° 13' 50.35"
136	3,631,380.06	385,668.35	29° 33' 21.11"	90° 13' 50.75"
136	3,631,405.06	385,667.99	29° 33' 21.11"	90° 13' 50.47"
136	3,631,430.06	385,667.63	29° 33' 21.10"	90° 13' 50.18"
135	3,631,375.58	385,133.95	29° 33' 15.82"	90° 13' 50.86"
135	3,631,376.20	385,173.95	29° 33' 16.22"	90° 13' 50.85"
135	3,631,415.58	385,133.33	29° 33' 15.81"	90° 13' 50.41"
135	3,631,416.20	385,173.33	29° 33' 16.21"	90° 13' 50.39"
134	3,631,371.51	384,821.60	29° 33' 12.73"	90° 13' 50.94"
134	3,631,372.08	384,861.59	29° 33' 13.13"	90° 13' 50.93"
134	3,631,411.51	384,821.03	29° 33' 12.72"	90° 13' 50.49"
134	3,631,412.07	384,861.03	29° 33' 13.12"	90° 13' 50.47"
133	3,631,358.52	384,297.04	29° 33' 07.54"	90° 13' 51.14"
133	3,631,383.52	384,296.68	29° 33' 07.53"	90° 13' 50.86"
133	3,631,408.52	384,296.32	29° 33' 07.53"	90° 13' 50.58"
132	3,631,376.27	383,763.26	29° 33' 02.25"	90° 13' 51.00"
131	3,631,368.75	383,258.28	29° 32' 57.26"	90° 13' 51.14"
130	3,631,366.52	382,750.77	29° 32' 52.23"	90° 13' 51.22"
129	3,631,356.57	382,247.06	29° 32' 47.25"	90° 13' 51.39"
128	3,631,349.49	381,754.26	29° 32' 42.37"	90° 13' 51.52"
127	3,631,340.48	381,228.53	29° 32' 37.17"	90° 13' 51.68"
126	3,631,336.19	380,728.57	29° 32' 32.22"	90° 13' 51.78"
125	3,631,328.50	380,219.14	29° 32' 27.18"	90° 13' 51.93"
124	3,631,322.21	379,723.72	29° 32' 22.27"	90° 13' 52.05"
123	3,631,313.70	379,189.05	29° 32' 16.98"	90° 13' 52.21"
122	3,631,307.40	378,708.01	29° 32' 12.22"	90° 13' 52.33"
121	3,631,300.86	378,218.82	29° 32' 07.38"	90° 13' 52.46"
120	3,631,294.25	377,780.75	29° 32' 03.04"	90° 13' 52.58"
119	3,631,262.89	377,324.22	29° 31' 58.52"	90° 13' 52.98"
119	3,631,287.89	377,323.84	29° 31' 58.52"	90° 13' 52.70"
119	3,631,312.89	377,323.46	29° 31' 58.51"	90° 13' 52.42"
118	3,631,278.87	376,784.65	29° 31' 53.18"	90° 13' 52.86"
117	3,631,270.71	376,301.22	29° 31' 48.40"	90° 13' 53.01"
116	3,631,263.61	375,786.54	29° 31' 43.30"	90° 13' 53.14"
115	3,631,254.35	375,284.17	29° 31' 38.33"	90° 13' 53.30"
114	3,631,247.40	374,772.56	29° 31' 33.27"	90° 13' 53.44"
113	3,631,244.60	374,287.51	29° 31' 28.46"	90° 13' 53.52"
112	3,631,236.48	373,801.20	29° 31' 23.65"	90° 13' 53.67"
111	3,631,231.52	373,302.79	29° 31' 18.72"	90° 13' 53.78"

STR. NO.	COORDINATES (NAD 83)		COORDINATES	
	X	Y	LATITUDE	LONGITUDE
110	3,631,215.80	372,720.25	29° 31' 12.95"	90° 13' 54.02"
109	3,631,215.25	372,213.27	29° 31' 07.93"	90° 13' 54.08"
108	3,631,208.31	371,730.92	29° 31' 03.16"	90° 13' 54.21"
107	3,631,202.79	371,219.67	29° 30' 58.10"	90° 13' 54.33"
106	3,631,192.42	370,716.11	29° 30' 53.12"	90° 13' 54.50"
105	3,631,188.13	370,196.77	29° 30' 47.97"	90° 13' 54.61"
104	3,631,176.67	369,666.21	29° 30' 42.72"	90° 13' 54.79"
103	3,631,138.30	369,070.62	29° 30' 36.83"	90° 13' 55.29"
103	3,631,168.00	369,074.83	29° 30' 36.87"	90° 13' 54.96"
103	3,631,197.70	369,079.05	29° 30' 36.91"	90° 13' 54.62"
102	3,631,318.26	368,583.16	29° 30' 31.99"	90° 13' 53.31"
101	3,631,468.64	368,103.86	29° 30' 27.23"	90° 13' 51.66"
100	3,631,622.20	367,605.28	29° 30' 22.28"	90° 13' 49.98"
99	3,631,770.31	367,116.92	29° 30' 17.43"	90° 13' 48.35"
98	3,631,919.82	366,622.48	29° 30' 12.52"	90° 13' 46.71"
97	3,632,068.38	366,134.01	29° 30' 07.67"	90° 13' 45.09"
96	3,632,222.73	365,644.30	29° 30' 02.81"	90° 13' 43.39"
95	3,632,374.63	365,142.07	29° 29' 57.82"	90° 13' 41.73"
94	3,632,530.66	364,625.42	29° 29' 52.69"	90° 13' 40.02"
93	3,632,688.33	364,112.66	29° 29' 47.60"	90° 13' 38.29"
92	3,632,824.17	363,563.30	29° 29' 42.15"	90° 13' 36.82"
92	3,632,853.69	363,568.65	29° 29' 42.20"	90° 13' 36.48"
92	3,632,883.21	363,574.01	29° 29' 42.25"	90° 13' 36.15"
91	3,632,878.60	363,022.32	29° 29' 36.79"	90° 13' 36.26"
91	3,632,898.58	363,023.14	29° 29' 36.80"	90° 13' 36.03"
90	3,632,887.27	362,553.82	29° 29' 32.15"	90° 13' 36.21"
90	3,632,907.27	362,553.92	29° 29' 32.15"	90° 13' 35.99"
89	3,632,862.07	361,967.07	29° 29' 26.35"	90° 13' 36.56"
89	3,632,892.01	361,965.16	29° 29' 26.33"	90° 13' 36.22"
89	3,632,921.95	361,963.25	29° 29' 26.30"	90° 13' 35.88"
88	3,632,830.02	361,445.07	29° 29' 21.18"	90° 13' 36.98"
87	3,632,765.92	360,914.87	29° 29' 15.94"	90° 13' 37.76"
86	3,632,702.80	360,400.48	29° 29' 10.85"	90° 13' 38.53"
85	3,632,642.70	359,893.50	29° 29' 05.84"	90° 13' 39.27"
84	3,632,570.72	359,336.40	29° 29' 00.33"	90° 13' 40.14"
83	3,632,504.77	358,792.67	29° 28' 54.96"	90° 13' 40.95"
82	3,632,442.99	358,295.76	29° 28' 50.04"	90° 13' 41.70"
81	3,632,374.66	357,736.81	29° 28' 44.52"	90° 13' 42.54"
80	3,632,312.02	357,208.18	29° 28' 39.29"	90° 13' 43.30"
79	3,632,244.95	356,672.77	29° 28' 34.00"	90° 13' 44.12"
78	3,632,158.09	356,065.23	29° 28' 27.99"	90° 13' 45.17"
77	3,632,089.55	355,464.54	29° 28' 22.05"	90° 13' 46.01"
76	3,632,031.45	354,917.89	29° 28' 16.65"	90° 13' 46.73"
75	3,631,976.88	354,455.09	29° 28' 12.07"	90° 13' 47.40"
74	3,631,913.30	353,956.33	29° 28' 07.14"	90° 13' 48.17"
73	3,631,853.81	353,455.90	29° 28' 02.19"	90° 13' 48.90"
72	3,631,788.00	352,941.96	29° 27' 57.11"	90° 13' 49.70"
71	3,631,729.68	352,466.11	29° 27' 52.40"	90° 13' 50.41"
70	3,631,674.63	351,985.43	29° 27' 47.65"	90° 13' 51.08"
69	3,631,575.43	351,374.07	29° 27' 41.61"	90° 13' 52.27"
69	3,631,600.25	351,371.07	29° 27' 41.58"	90° 13' 51.99"
69	3,631,625.07	351,368.07	29° 27' 41.54"	90° 13' 51.71"
68	3,631,515.84	350,756.51	29° 27' 35.50"	90° 13' 53.01"
68	3,631,535.70	350,754.11	29° 27' 35.47"	90° 13' 52.79"

THESE PLATS ARE TO BE USED EXCLUSIVELY FOR THE ACQUISITION OF REGULATORY PERMITS.

DRAWN BY: SPM	APPROVED BY: MDT
DATE: 12/06/2021	JOB NO: 2021.0252
DRAWING NAME: 210252P- 3_REV.DWG	
SHEET NO: 40C OF 41	
PROJECTION: LOUISIANA SOUTH ZONE GEO. DATUM: NAD83 | VERT. DATUM: NAVD88 GRID UNITS: US SURVEY FEET	
NOT TO SCALE	

PROPOSED STR COORDINATES

ENTERGY LOUISIANA, LLC

PROPOSED REMOVAL OF EXISTING STRUCTURES
ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE
LAFOURCHE & JEFFERSON PARISHES, LOUISIANA

T. BAKER SMITH
A CENTURY OF SOLUTIONS
412 South Van Avenue, Houma, LA 70363
(985)868-1666 - tbsmith.com

REV. NO:	REV. DATE:	REV. BY:
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REVISION DESCRIPTION:
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12/3/2021 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 3_REV.DWG

STR. NO.	COORDINATES (NAD 83)		COORDINATES	
	X	Y	LATITUDE	LONGITUDE
67	3,631,481.46	350,473.14	29° 27' 32.70"	90° 13' 53.43"
67	3,631,501.31	350,470.68	29° 27' 32.67"	90° 13' 53.21"
66	3,631,406.99	350,001.07	29° 27' 28.03"	90° 13' 54.33"
66	3,631,431.79	349,997.93	29° 27' 28.00"	90° 13' 54.05"
66	3,631,456.59	349,994.79	29° 27' 27.97"	90° 13' 53.77"
65	3,631,378.27	349,579.13	29° 27' 23.86"	90° 13' 54.70"
64	3,631,320.61	349,103.18	29° 27' 19.15"	90° 13' 55.40"
63	3,631,251.91	348,563.01	29° 27' 13.81"	90° 13' 56.24"
62	3,631,198.38	348,079.01	29° 27' 09.03"	90° 13' 56.89"
61	3,631,137.92	347,580.53	29° 27' 04.10"	90° 13' 57.63"
60	3,631,075.75	347,072.21	29° 26' 59.07"	90° 13' 58.39"
59	3,631,017.36	346,601.47	29° 26' 54.42"	90° 13' 59.10"
58	3,630,955.37	346,106.34	29° 26' 49.52"	90° 13' 59.86"
57	3,630,898.58	345,650.87	29° 26' 45.02"	90° 14' 00.55"
56	3,630,823.81	345,172.68	29° 26' 40.29"	90° 14' 01.45"
56	3,630,844.76	345,171.20	29° 26' 40.27"	90° 14' 01.21"
55	3,630,829.62	344,611.46	29° 26' 34.73"	90° 14' 01.44"
54	3,630,822.15	344,067.66	29° 26' 29.35"	90° 14' 01.59"
53	3,630,813.18	343,523.73	29° 26' 23.97"	90° 14' 01.75"
52	3,630,806.93	343,000.86	29° 26' 18.79"	90° 14' 01.87"
51	3,630,798.72	342,488.11	29° 26' 13.72"	90° 14' 02.02"
50	3,630,792.32	341,962.28	29° 26' 08.51"	90° 14' 02.15"
49	3,630,758.84	341,431.28	29° 26' 03.26"	90° 14' 02.59"
49	3,630,783.84	341,430.87	29° 26' 03.25"	90° 14' 02.31"
49	3,630,808.84	341,430.46	29° 26' 03.25"	90° 14' 02.02"
48	3,630,766.37	340,979.56	29° 25' 58.79"	90° 14' 02.55"
48	3,630,786.37	340,979.24	29° 25' 58.78"	90° 14' 02.33"
47	3,630,758.09	340,415.34	29° 25' 53.20"	90° 14' 02.71"
47	3,630,778.09	340,415.06	29° 25' 53.20"	90° 14' 02.48"
46_1	3,630,753.60	340,067.28	29° 25' 49.76"	90° 14' 02.80"
46_1	3,630,773.60	340,067.00	29° 25' 49.75"	90° 14' 02.57"
46	3,630,733.21	339,715.39	29° 25' 46.28"	90° 14' 03.06"
46	3,630,758.21	339,715.06	29° 25' 46.27"	90° 14' 02.78"
46	3,630,783.21	339,714.73	29° 25' 46.26"	90° 14' 02.50"
45	3,630,752.58	339,201.94	29° 25' 41.19"	90° 14' 02.90"
44	3,630,745.82	338,692.48	29° 25' 36.15"	90° 14' 03.03"
43	3,630,740.76	338,192.84	29° 25' 31.20"	90° 14' 03.14"
42	3,630,732.28	337,689.29	29° 25' 26.22"	90° 14' 03.29"
41	3,630,724.45	337,186.73	29° 25' 21.24"	90° 14' 03.44"
40	3,630,718.58	336,709.55	29° 25' 16.52"	90° 14' 03.56"
39	3,630,711.63	336,231.55	29° 25' 11.79"	90° 14' 03.69"
38	3,630,704.10	335,720.83	29° 25' 06.74"	90° 14' 03.83"
37	3,630,699.44	335,213.05	29° 25' 01.71"	90° 14' 03.93"
36	3,630,688.03	334,701.10	29° 24' 56.64"	90° 14' 04.12"
35	3,630,682.10	334,193.05	29° 24' 51.61"	90° 14' 04.24"
34	3,630,674.83	333,681.58	29° 24' 46.55"	90° 14' 04.38"
33	3,630,644.34	333,191.07	29° 24' 41.70"	90° 14' 04.78"
33	3,630,669.34	333,190.72	29° 24' 41.69"	90° 14' 04.49"
33	3,630,694.34	333,190.37	29° 24' 41.69"	90° 14' 04.21"
32	3,630,650.92	332,683.18	29° 24' 36.67"	90° 14' 04.76"
32	3,630,670.92	332,682.86	29° 24' 36.67"	90° 14' 04.53"
31	3,630,642.96	332,145.07	29° 24' 31.34"	90° 14' 04.91"
31	3,630,662.96	332,144.71	29° 24' 31.34"	90° 14' 04.68"

STR. NO.	COORDINATES (NAD 83)		COORDINATES	
	X	Y	LATITUDE	LONGITUDE
30	3,630,616.10	331,605.19	29° 24' 26.00"	90° 14' 05.27"
30	3,630,641.10	331,604.85	29° 24' 26.00"	90° 14' 04.98"
30	3,630,666.10	331,604.51	29° 24' 25.99"	90° 14' 04.70"
29	3,630,638.48	331,075.67	29° 24' 20.76"	90° 14' 05.07"
28	3,630,629.95	330,547.81	29° 24' 15.53"	90° 14' 05.23"
27	3,630,620.97	330,010.97	29° 24' 10.22"	90° 14' 05.39"
26	3,630,613.51	329,475.76	29° 24' 04.92"	90° 14' 05.53"
25	3,630,607.16	328,942.00	29° 23' 59.64"	90° 14' 05.66"
24	3,630,599.74	328,409.04	29° 23' 54.36"	90° 14' 05.80"
23	3,630,566.61	327,888.36	29° 23' 49.21"	90° 14' 06.23"
23	3,630,591.61	327,887.98	29° 23' 49.21"	90° 14' 05.95"
23	3,630,616.61	327,887.60	29° 23' 49.20"	90° 14' 05.66"
22	3,630,573.33	327,338.13	29° 23' 43.77"	90° 14' 06.21"
22	3,630,593.33	327,337.85	29° 23' 43.76"	90° 14' 05.99"
21	3,630,564.28	326,656.21	29° 23' 37.02"	90° 14' 06.39"
21	3,630,584.28	326,655.95	29° 23' 37.01"	90° 14' 06.16"
20	3,630,559.84	326,295.32	29° 23' 33.44"	90° 14' 06.48"
20	3,630,579.84	326,295.02	29° 23' 33.44"	90° 14' 06.25"
19	3,630,537.88	325,897.10	29° 23' 29.50"	90° 14' 06.77"
19	3,630,562.88	325,896.67	29° 23' 29.50"	90° 14' 06.49"
19	3,630,587.88	325,896.24	29° 23' 29.49"	90° 14' 06.21"
18	3,630,555.56	325,462.40	29° 23' 25.20"	90° 14' 06.62"
17	3,630,549.82	324,988.23	29° 23' 20.51"	90° 14' 06.73"
16	3,630,544.04	324,509.70	29° 23' 15.77"	90° 14' 06.85"
15	3,630,515.73	324,051.19	29° 23' 11.23"	90° 14' 07.22"
15	3,630,539.19	324,032.50	29° 23' 11.05"	90° 14' 06.96"
15	3,630,562.66	324,013.81	29° 23' 10.86"	90° 14' 06.69"
14	3,630,027.75	323,909.68	29° 23' 09.88"	90° 14' 12.75"
13	3,629,531.48	323,787.84	29° 23' 08.72"	90° 14' 18.37"
12	3,628,928.11	323,641.54	29° 23' 07.33"	90° 14' 25.21"
11	3,628,472.07	323,531.20	29° 23' 06.28"	90° 14' 30.38"
10	3,627,961.11	323,431.01	29° 23' 05.34"	90° 14' 36.16"
10	3,627,967.08	323,406.73	29° 23' 05.09"	90° 14' 36.10"
10	3,627,973.05	323,382.45	29° 23' 04.85"	90° 14' 36.03"
9	3,627,472.60	323,295.90	29° 23' 04.04"	90° 14' 41.70"
9	3,627,477.33	323,276.46	29° 23' 03.85"	90° 14' 41.65"
8	3,626,973.21	323,175.11	29° 23' 02.89"	90° 14' 47.36"
8	3,626,977.91	323,155.67	29° 23' 02.70"	90° 14' 47.31"
7	3,626,360.64	323,027.42	29° 23' 01.49"	90° 14' 54.30"
7	3,626,365.36	323,007.98	29° 23' 01.30"	90° 14' 54.24"
6	3,625,901.74	322,930.98	29° 23' 00.58"	90° 14' 59.49"
6	3,625,907.63	322,906.68	29° 23' 00.34"	90° 14' 59.43"
6	3,625,913.52	322,882.38	29° 23' 00.10"	90° 14' 59.37"
5	3,625,337.74	322,769.37	29° 22' 59.03"	90° 15' 05.89"
4	3,624,863.52	322,644.98	29° 22' 57.84"	90° 15' 11.26"
3	3,624,442.84	322,552.19	29° 22' 56.97"	90° 15' 16.02"
2	3,623,969.51	322,436.93	29° 22' 55.87"	90° 15' 21.39"
1	3,623,458.91	322,338.93	29° 22' 54.95"	90° 15' 27.17"
1	3,623,489.06	322,320.47	29° 22' 54.76"	90° 15' 26.83"
1	3,623,519.21	322,302.01	29° 22' 54.57"	90° 15' 26.49"

THESE PLATS ARE TO BE USED EXCLUSIVELY FOR THE ACQUISITION OF REGULATORY PERMITS.

DRAWN BY:	SPM	APPROVED BY:	MDT
DATE:	12/06/2021	JOB NO:	2021.0252
DRAWING NAME:		210252P- 3_REV.DWG	
SHEET NO:	40D	OF	41

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

NOT TO SCALE

PROPOSED STR COORDINATES

ENTERGY LOUISIANA, LLC

PROPOSED REMOVAL OF EXISTING STRUCTURES
ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE
LAFOURCHE & JEFFERSON PARISHES, LOUISIANA

T. BAKER SMITH
A CENTURY OF SOLUTIONS
412 South Van Avenue, Houma, LA 70363
(985)868-1666 - tbsmith.com

REV. NO:	REV. DATE:	REV. BY:
00	--/--/--	---

REVISION DESCRIPTION:
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12/3/2021 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 3_REV.DWG

NOTES:

AS-BUILT DRAWINGS AND/OR PLATS SHALL HAVE WRITTEN ON THEM THE DATE OF COMPLETION OF SAID ACTIVITIES AND SHALL BE SUBMITTED TO THE LOUISIANA DEPARTMENT OF NATURAL RESOURCES, OFFICE OF COASTAL MANAGEMENT, P.O. BOX 44487, BATON ROUGE, LA 70804-4487 WITHIN 30 DAYS FOLLOWING PROJECT COMPLETION.

ALL STRUCTURES BUILT UNDER THE AUTHORIZATION AND CONDITIONS OF THIS PERMIT SHALL BE REMOVED FROM THE SITE WITHIN 120 DAYS OF ABANDONMENT OF THE FACILITIES FOR THE HEREIN PERMITTED USE, OR WHEN THESE STRUCTURES FALL INTO A STATE OF DISREPAIR SUCH THAT THEY CAN NO LONGER FUNCTION AS INTENDED. THIS CONDITION DOES NOT PRECLUDE THE NECESSITY FOR REVISING THE CURRENT PERMIT OR OBTAINING A SEPARATE COASTAL USE PERMIT, SHOULD ONE BE REQUIRED, FOR SUCH REMOVAL ACTIVITIES.

STRUCTURES MUST ALSO BE MARKED/LIGHTED IN ACCORDANCE WITH U.S. COAST GUARD REGULATIONS.

IN ORDER TO ENSURE THE SAFETY OF ALL PARTIES, THE PERMITEE 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.

LIMITED SURVEY DATA WAS COLLECTED IN THE PREPARATION OF THESE PLANS. INFORMATION USED TO PREPARE THESE PLANS WAS GATHERED FROM THE FOLLOWING SOURCES, EXISTING SURVEY/DATABASE DATA, CLIENT INFORMATION, INTERNET OR GOVERNMENT WEB SITE DATA.

TOTAL IMPACTS

EXCAVATIONS	
NON-VEGETATED	0 CU. YDS.
WATER BOTTOMS:	0.00 ACS.
WETLANDS:	0 CU. YDS.
	0.00 ACS.
FILL AREAS	
NON-VEGETATED	0 CU. YDS.
WATER BOTTOMS:	0.00 ACS.
WETLANDS:	0 CU. YDS.
	0.00 ACS.
FILL MATERIALS	
NATIVE MATERIAL:	0 CU. YDS.

EQUIPMENT

Airboat (6'± width) (8" draft)

Barges (3' draft)

Tug (4' draft)

Mantis Cranes (18'± width) (4' track)

Long Reach Crane (18'± width) (4' track)

Flat Deck Buggy (20'± width) (6' track)

Bucket Buggy (20'± width) (6' track)

Crane Buggy (20'± width) (6' track)

Helicopter

THESE PLATS ARE TO BE USED EXCLUSIVELY FOR THE ACQUISITION OF REGULATORY PERMITS.

DRAWN BY:	SPM	APPROVED BY:	MDT
DATE:	07/06/2021	JOB NO:	2021.0252
DRAWING NAME:		210252P- 3_REV.DWG	
SHEET NO:	41	OF	41

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

NOT TO SCALE

NOTES

ENTERGY LOUISIANA, LLC

PROPOSED REMOVAL OF EXISTING STRUCTURES
ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE
LAFOURCHE & JEFFERSON PARISHES, LOUISIANA

T. BAKER SMITH
A CENTURY OF SOLUTIONS
412 South Van Ave, Houma, LA 70363
(985)868-1666 - tbsmith.com

REV. NO:	04	REV. DATE: 12/06/2021	REV. BY:	SPM

REVISION DESCRIPTION:
ADDED REPLACEMENT STRUCTURES.

12/3/2021 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 3_REV.DWG

APPENDIX 3
CORRESPONDENCE WITH AGENCIES

2021.0252 SOV Letter Addresses

Attn: Air Quality Division
La. Dept. of Environmental Quality
P.O. Box 4313
Baton Rouge, LA 70821

Attn: Water Quality Division
La. Dept. of Environmental Quality
P.O. Box 4313
Baton Rouge, LA 70821

Attn: Floodplain Manager
Jefferson Parish Government
1221 Elmwood Park Blvd., Suite 310
Jefferson, LA 70123

Mr. Seth Bordelon
U.S. Fish & Wildlife Service
646 Cajundome Blvd., Suite 400
Lafayette, LA 70506

Department of Agriculture and Forestry
Office of Soil/Water Conservation
P.O. Box 3554
Baton Rouge, LA 70821

U.S. Army Corps of Engineers
7400 Leake Ave
New Orleans, LA 70118

La. Dept. of Natural Resources
Coastal Zone Management
P.O. Box 44487
Baton Rouge, LA 70804

T. BAKER SMITH, LLC
A CENTURY OF SOLUTIONS

Post Office Box 2266, Houma, LA 70361
412 South Van Avenue, Houma, LA 70363

985.868.1050 (P) 1.866.357.1050 (TF)
www.tbsmith.com 985.868.5843 (F)

November 22, 2021

Attn: Water Quality Division
La. Dept. of Environmental Quality
Via Email: Linda.Piper@la.gov
P.O. Box 4313, Baton Rouge, LA 70821

RE: Solicitation of Views

Entergy Louisiana, LLC
Replacement of existing structures along the
Barataria to Golden Meadow Transmission Line
Jefferson Parish, Louisiana

Early in the planning stages of an environmental assessment, views from federal, state and local agencies, organizations, and individuals are solicited. The special expertise of these groups can assist NPS with the early identification of possible adverse economic, social or environmental effects or concerns. Your assistance in this regard will be appreciated.

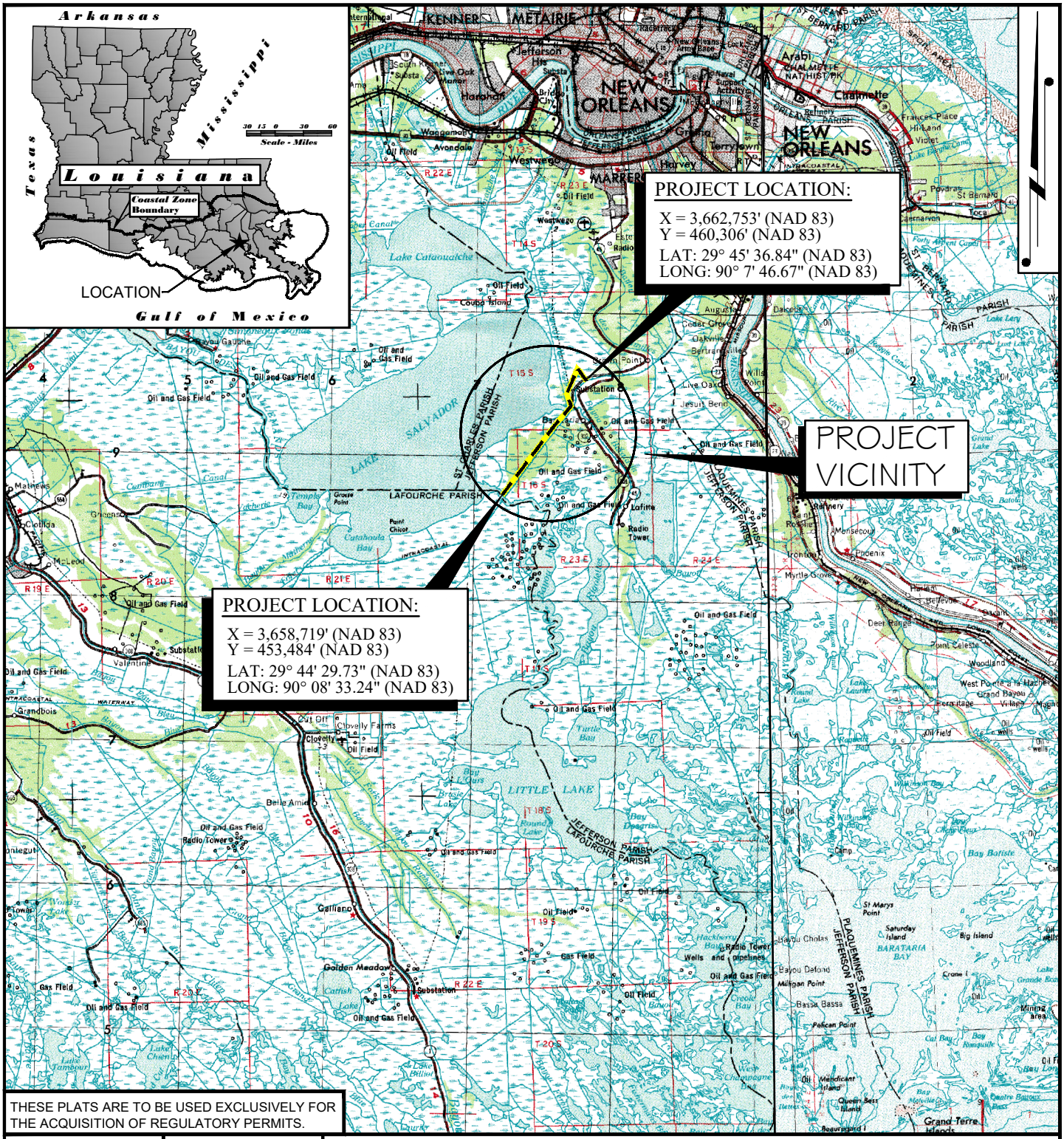
Entergy Louisiana, LLC (Entergy) proposes to demolish/rebuild the existing timber and steel supported 115kV transmission line crossing the Barataria Preserve unit of Jean Lafitte National Historical Park and Preserve (JLNP). The Barataria-Golden Meadow transmission lines provides a critical pathway of power to the electrical transmission system in southeast Louisiana, and due to considerable damage that occurred during Hurricane Zeta in 2020 and Hurricane Ida in 2021, the line must be demolished. Two build alternatives are being considered which involve Entergy demolishing/rebuilding the existing 2.57 miles of the Barataria-Golden Meadow 115kV T-Line through the JLNP. Both build alternatives consist of work being performed entirely within the boundaries of the existing transmission line right-of-way as shown in the attached project plats. New structures would be installed in the same locations as the existing ones, and use of aerial equipment (helicopters) for material transfer is proposed where applicable to minimize the number of ground-based equipment passes necessary. Conventional construction methods would be utilized for installation of new structures and require tracked amphibious marsh equipment travel to each structure. Other than the two (2) Pyramax structures situated at the Bayou Segnette crossing, all new structures would have baseplated vibratory caisson foundations which require no excavation and occupy a small surface area in comparison to the current structures located within the right-of-way.

It is requested that you review the attached information and furnish us with your views and comments by December 22, 2021. Please reference the above Project in your reply. Replies should be addressed to the attention of, Cy Toups, T. Baker Smith, LLC, P.O. Box 2266, Houma, LA 70361.

Sincerely,

T. BAKER SMITH, LLC.

Cy. J. Toups, P.E.
Project Manager
(985) 223-9256 | Direct
Cy.toups@tbsmith.com
Enclosure(s)
210252 SOV Letters



THESE PLATS ARE TO BE USED EXCLUSIVELY FOR THE ACQUISITION OF REGULATORY PERMITS.

DRAWN BY: SPM, DPP	APPROVED BY: MDT,CJT
DATE: 11/18/2021	JOB NO: 2021.0252
DRAWING NAME: 20210252 JLNP P- 1.DWG	
SHEET NO: 1 OF 4	
PROJECTION: LOUISIANA SOUTH ZONE GEO. DATUM: NAD83 | VERT. DATUM: NAVD88 GRID UNITS: US SURVEY FEET	
SCALE: 1" = 6 MILES 6 MI 3 MI 0 MI 6 MI	

VICINITY MAP

ENTERGY LOUISIANA, LLC

PROPOSED REMOVAL OF EXISTING STRUCTURES
WITHIN THE JEAN LAFITTE NATIONAL PARK
ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE
JEFFERSON PARISH, LOUISIANA

T. BAKER SMITH
A CENTURY OF SOLUTIONS
412 South Van Ave, Houma, LA 70363
(985)868-1050 - tbsmith.com

REV. NO:	REV. DATE:	REV. BY:
00	--/--/--	---

REVISION DESCRIPTION:
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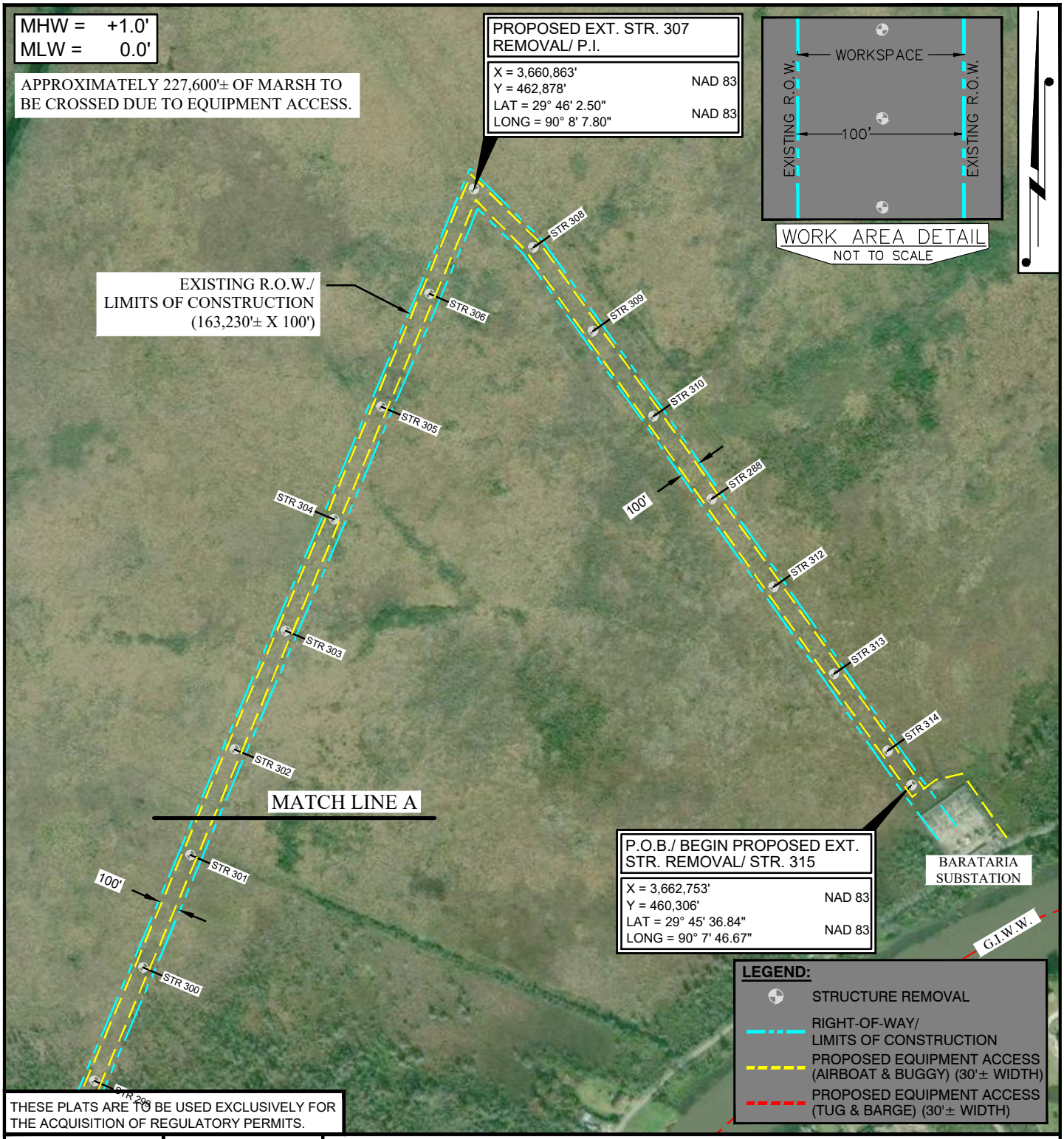
11/18/2021 - P:\Y-2021\2021.0252\DWG\PERMIT\JLNP\20210252 JLNP P- 1.DWG



THESE PLATS ARE TO BE USED EXCLUSIVELY FOR THE ACQUISITION OF REGULATORY PERMITS.

DRAWN BY: SPM, DPP	APPROVED BY: MDT,CJT
DATE: 11/18/2021	JOB NO: 2021.0252
DRAWING NAME: 20210252 JLNP P-2	
SHEET NO: 2 OF 4	

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

SCALE: 1" = 600'

600' 300' 0' 600'

PLAN VIEW

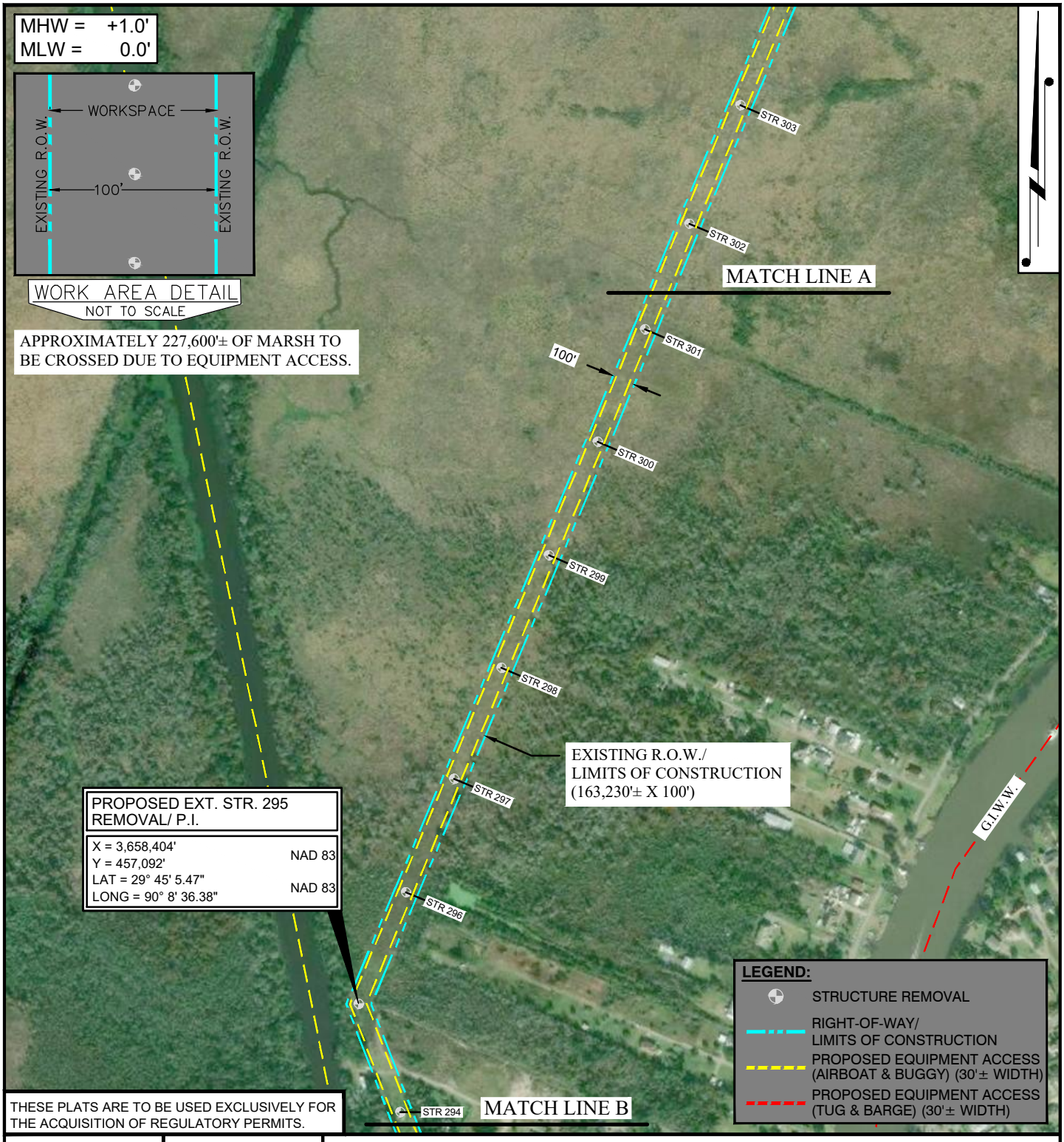
ENTERGY LOUISIANA, LLC

PROPOSED REMOVAL OF EXISTING STRUCTURES
WITHIN THE JEAN LAFITTE NATIONAL PARK
ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE
JEFFERSON PARISHE, LOUISIANA

T. BAKER SMITH
A CENTURY OF SOLUTIONS
412 South Van Ave, Houma, LA 70363
(985)868-1050 - tbsmith.com

REV. NO:	REV. DATE:	REV. BY:
REVISION DESCRIPTION:		

11/18/2021 - P:\Y-2021\2021.0252\DWG\PERMIT\JLNP\20210252 JLNP P- 2.DWG



THESE PLATS ARE TO BE USED EXCLUSIVELY FOR THE ACQUISITION OF REGULATORY PERMITS.

DRAWN BY: SPM, DPP	APPROVED BY: MDT, CJT
DATE: 11/18/2021	JOB NO: 2021.0252
DRAWING NAME:	20210252 JLNP P-2
SHEET NO: 3 OF 4	

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

SCALE: 1" = 600'

600' 300' 0' 600'

PLAN VIEW

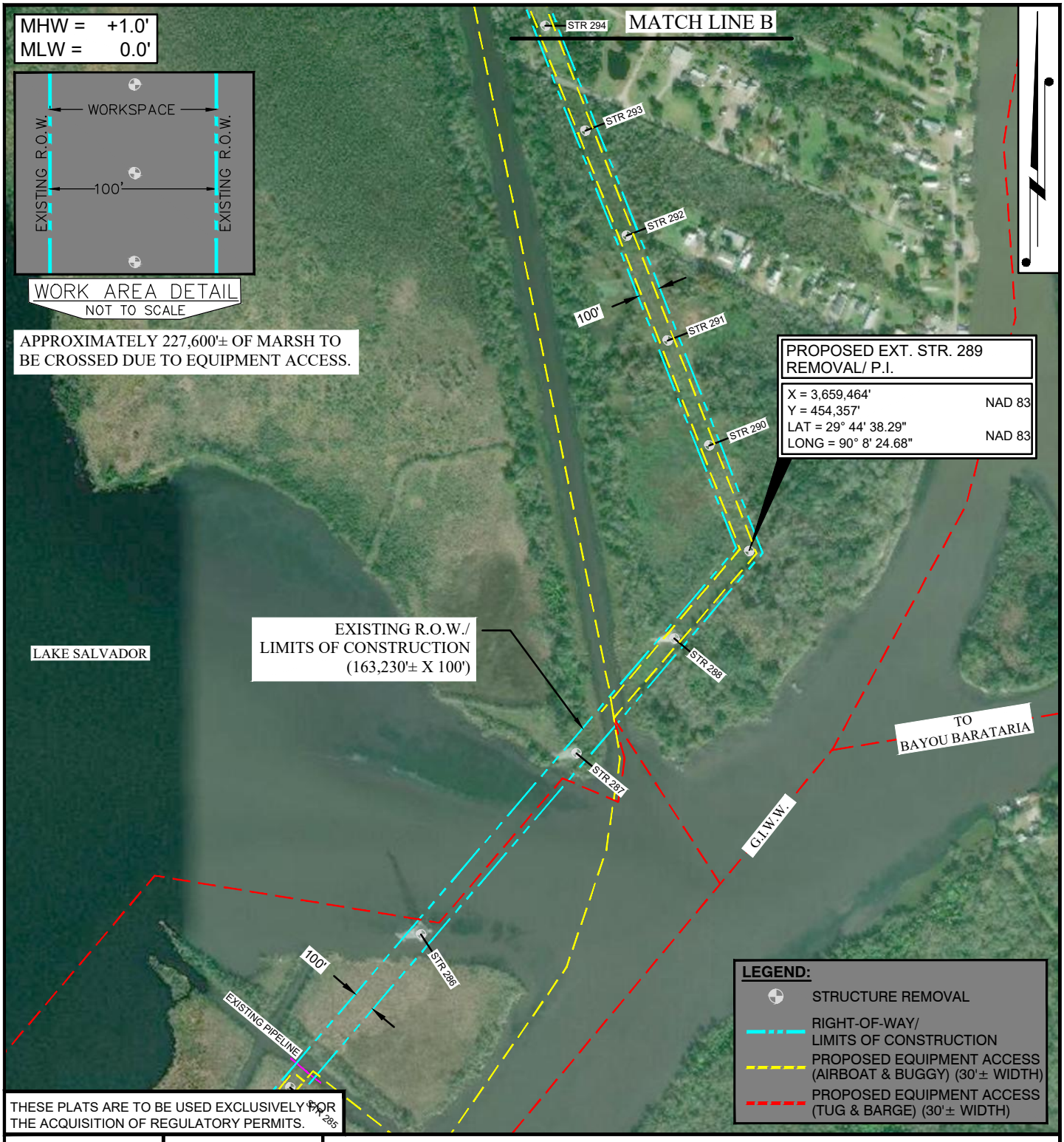
ENTERGY LOUISIANA, LLC

PROPOSED REMOVAL OF EXISTING STRUCTURES
WITHIN THE JEAN LAFITTE NATIONAL PARK
ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE
JEFFERSON PARISH, LOUISIANA

T. BAKER SMITH
A CENTURY OF SOLUTIONS
412 South Van Ave, Houma, LA 70363
(985)868-1050 - tbsmith.com

REV. NO:	REV. DATE:	REV. BY:
REVISION DESCRIPTION:		

11/18/2021 - P:\Y-2021\2021.0252\DWG\PERMIT\JLNP\20210252 JLNP P- 2.DWG



THESE PLATS ARE TO BE USED EXCLUSIVELY FOR THE ACQUISITION OF REGULATORY PERMITS.

DRAWN BY: SPM, DPP	APPROVED BY: MDT,CJT
DATE: 11/18/2021	JOB NO: 2021.0252
DRAWING NAME: 20210252 JLNP P-2	
SHEET NO: 4 OF 4	

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

SCALE: 1" = 600'

600' 300' 0' 600'

PLAN VIEW

ENTERGY LOUISIANA, LLC

PROPOSED REMOVAL OF EXISTING STRUCTURES
WITHIN THE JEAN LAFITTE NATIONAL PARK
ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE
JEFFERSON PARISH, LOUISIANA

T. BAKER SMITH
A CENTURY OF SOLUTIONS
412 South Van Ave, Houma, LA 70363
(985)868-1050 - tbsmith.com

REV. NO:	REV. DATE:	REV. BY:
REVISION DESCRIPTION:		

11/18/2021 - P:\Y-2021\2021.0252\DWG\PERMIT\JLNP\20210252 JLNP P- 2.DWG

Entergy_NEPA_Replacement of existing structures along the Barataria to Golden Meadow Transmission Line
Jefferson Parish, LA

SOV Response Log

Generated based on responses received after SOV was mailed out on 11/09/2021.

COMPANY NAME	CONTACT	ADDRESS	CITY	STATE	ZIP	EMAIL	Returned to Sender	Address Resent to	RESPONSE
Department of Agriculture & Forestry	Office of Soil/Water Cons	5852 Florida Blvd, Suite 7000	Baton Rouge	LA	70806				
Department of Environmental Quality	Air Quality Division	P.O. Box 4313	Baton Rouge	LA	70802				
Department of Environmental Quality	Water Quality Division	P.O. Box 4313	Baton Rouge	LA	70802	Linda.Piper@la.gov			1/10/22 No objection
Department of the Army COE		7400 Leake Ave	New Orleans	LA	70118				
Jefferson Parish Government	Floodplain Manager	1221 Elmwood Park Blvd., Suite 310	Jefferson	LA	70123				12/20/21 This project in in the Barataria Preserve and is not part of unincorporated Jefferson Parish purview.
LA Dept of Natural Resources	Coastal Zone Management	PO Box 44487	Baton Rouge	LA	70804	Online			P20211098. 11/23/21 Rec Ack Ltr. 12/7/21 project has been found to be inside LCZ, joint permit application will need to be submitted.
LA Dept Wildlife & Fisheries Wildlife Diversity Program	Carolyn Michon	PO Box 98000	Baton Rouge	LA	70898				12/10/21 After careful review of our database, no impacts to rare, threatened, or endangered species or critical habitats are anticipated for the proposed project.
Natural Resources Conservation Svc	Attn: State Conservationist	3737 Government St	Alexandria	LA	71302				1/10/22 There will be no impacts to prime farmland due to the project being within existing ROW
U.S. Environmental Protection, Agency, Region 6	Sole Source Aquifer Coordinator	1201 Elm Street, Suite 500, Mail Code: WDDG	Dallas	TX	75270	Martinez.Omar@epa.gov			
US Fish & Wildlife Serice			Lafayette	LA	70506	online Project review			

Tracy Pellegrin

From: Cy Toups, P.E.
Sent: Monday, December 20, 2021 7:17 AM
To: Tracy Pellegrin
Subject: FW: SOV - Replacement of Existing Structures along the Barataria to Golden Meadow Transmission Line

Cy J. Toups. P.E.
Environmental Engineer

985.223.9256 | Direct
985.413.2116 | Cell
985.868.1050 | Office
866.357.1050 | Toll Free
www.tbsmith.com

T. BAKER SMITH, LLC
SOLUTIONS START HERE

From: Maggie Talley <MTalley@jeffparish.net>
Sent: Friday, December 17, 2021 5:02 PM
To: Cy Toups, P.E. <Cy.Toups@tbsmith.com>
Subject: SOV - Replacement of Existing Structures along the Barataria to Golden Meadow Transmission Line

Mr. Toups,

This project in in the Barataria Preserve and is not part of unincorporated Jefferson Parish purview.

Thanks,

Maggie Talley, CFM | Director
Floodplain Management and Hazard Mitigation
Jefferson Parish Government
1221 Elmwood Pk Blvd Suite 310 | Jefferson, LA 70123
o: 504.736.6541
mtalley@jeffparish.net

Any information provided to Jefferson Parish Government may be subject to disclosure under the Louisiana Public Records Law. Information contained in any correspondence, regardless of its source, may be a public record subject to public inspection and reproduction in accordance with the Louisiana Public Records Law, La. Rev. Stat. 44:1 et seq.

Tracy Pellegrin

From: Cy Toups, P.E.
Sent: Tuesday, January 11, 2022 7:12 AM
To: Tracy Pellegrin
Subject: FW: DEQ SOV#211122/1020 Replacement of Existing Structures along the Barataria to Golden Meadow Transmission Lines

Cy J. Toups. P.E.
Environmental Engineer

985.223.9256 | Direct
985.413.2116 | Cell
985.868.1050 | Office
866.357.1050 | Toll Free
www.tbsmith.com

T. BAKER SMITH, LLC
SOLUTIONS START HERE

From: Linda (Brown) Piper <Linda.Piper@LA.GOV>
Sent: Monday, January 10, 2022 2:11 PM
To: Cy Toups, P.E. <Cy.Toups@tbsmith.com>
Cc: Vivian (Aucoin) Johnson (DEQ) <Vivian.Johnson2@la.gov>; Keith Horn <Keith.Horn@LA.GOV>; Regina Philson <Regina.Philson@LA.GOV>; Clinton Twilley <Clinton.Twilley@LA.GOV>
Subject: DEQ SOV#211122/1020 Replacement of Existing Structures along the Barataria to Golden Meadow Transmission Lines

January 10, 2022

Cy Toups
T. Baker Smith, LLC
P.O. Box 2266
Houma, LA 70361
Cy.Toups@tbsmith.com

RE: 211122/1020

Replacement of Existing Structures along the Barataria to Golden Meadow Transmission Lines
Entergy Louisiana Funding
Jefferson Parish

Dear Mr. Toups:

The Department of Environmental Quality (LDEQ), Business and Community Outreach Division has received your request for comments on the above referenced project.

After reviewing your request, the Department has no objections based on the information provided in your submittal. However, for your information, the following general comments have been included. Please be advised that if you

should encounter a problem during the implementation of this project, you should immediately notify LDEQ's Single-Point-of-contact (SPOC) at (225) 219-3640.

- Please take any necessary steps to obtain and/or update all necessary approvals and environmental permits regarding this proposed project.
- If your project results in a discharge to waters of the state, submittal of a Louisiana Pollutant Discharge Elimination System (LPDES) application may be necessary.
- If the project results in a discharge of wastewater to an existing wastewater treatment system, that wastewater treatment system may need to modify its LPDES permit before accepting the additional wastewater.
- All precautions should be observed to control nonpoint source pollution from construction activities. LDEQ has stormwater general permits for construction areas equal to or greater than one acre. It is recommended that you contact the LDEQ Water Permits Division at (225) 219-9371 to determine if your proposed project requires a permit.
- If your project will include a sanitary wastewater treatment facility, a Sewage Sludge and Biosolids Use or Disposal Permit is required. An application or Notice of Intent will be required if the sludge management practice includes preparing biosolids for land application or preparing sewage sludge to be hauled to a landfill. Additional information may be obtained on the LDEQ website at http://www.deq.louisiana.gov/portal/tabid/2296/Default.aspx or by contacting the LDEQ Water Permits Division at (225) 219- 9371.
- If any of the proposed work is located in wetlands or other areas subject to the jurisdiction of the U.S. Army Corps of Engineers, you should contact the Corps directly regarding permitting issues. If a Corps permit is required, part of the application process may involve a water quality certification from LDEQ.
- All precautions should be observed to protect the groundwater of the region.
- Please be advised that water softeners generate wastewaters that may require special limitations depending on local water quality considerations. Therefore if your water system improvements include water softeners, you are advised to contact the LDEQ Water Permits to determine if special water quality-based limitations will be necessary.
- Any renovation or remodeling must comply with LAC 33:III.Chapter 28, Lead-Based Paint Activities; LAC 33:III.Chapter 27, Asbestos-Containing Materials in Schools and State Buildings (includes all training and accreditation); and LAC 33:III.5151, Emission Standard for Asbestos for any renovations or demolitions.
- If any solid or hazardous wastes, or soils and/or groundwater contaminated with hazardous constituents are encountered during the project, notification to LDEQ's Single-Point-of-Contact (SPOC) at (225) 219-3640 is required. Additionally, precautions should be taken to protect workers from these hazardous constituents.
- If any changes to the structures involves any treated wood elements, the treated timber must be reused, recycled, or properly disposed of at permitted facilities.
- Due to the potential for historic electrical equipment to contain PCBs, it is advised that if there is any evidence of oil leakage (visible or suspected), samples for PCB and hydrocarbon analyses should be collected and analyzed from the potential release area. If PCBs or hydrocarbons are detected in soils above RECAP Screening Standards, notification should be made to the LDEQ SPOC.
- If the project will involve the removal or disturbance of any soils which may have contaminant concentrations that exceed the Limiting Screening Option Standards established by the LDEQ Risk Evaluation/Corrective Action Program (RECAP) Regulation, these materials may be considered a waste and disposed of at a permitted facility, or might be managed as part of a Solid Waste Beneficial Use or Soil Reuse Plan in accordance with LAC 33:VII.Chapter 11. Alternately, a site-specific RECAP Evaluation might be conducted and submitted to the LDEQ.

Currently, Jefferson Parish is classified as attainment with the National Ambient Air Quality Standards and has no general conformity determination obligations.

Please send all future requests to my attention. If you have any questions, please feel free to contact me at (225) 219-3954 or by email at linda.piper@la.gov.

Sincerely,

Linda (Brown) Piper
Environmental Scientist Manager
LDEQ Office of the Secretary
Outreach and Small Business Assistance
225-219-3954 • linda.piper@la.gov

Small Business/Community Assistance Program(SB/CAP) services are provided as a courtesy of the LDEQ. The SB/CAP claims no responsibility for any omissions or inaccuracies in values or information presented to the LDEQ Administrative Authority by small businesses seeking compliance with state environmental regulations. The LDEQ Administrative Authority alone determines when compliance is achieved, and small businesses are ultimately responsible for satisfying all requirements of such Authority.

JOHN BEL EDWARDS
GOVERNOR

THOMAS F. HARRIS
SECRETARY

State of Louisiana

DEPARTMENT OF NATURAL RESOURCES

OFFICE OF COASTAL MANAGEMENT

11/23/2021

T. BAKER SMITH, LLC
PO BOX 2266
HOUMA, LA 70361
Attn: Cy Toups

RE: P20211098, Solicitation of Views
ENTERGY LOUISIANA, LLC
Description: Replacement of existing structures along the Barataria to Golden Meadow Transmission Line Jefferson Parish.
Location: Lat 29º 44' 29.73"N / Long -90º 08' 33.24"W;
Jefferson Parish, LA

Dear Cy Toups:

You are hereby advised that your application for a Coastal Use Permit (CUP) has been determined to be administratively complete and review by the State for compliance with the Louisiana Coastal Resource Program (LCRP) and consistency with the federal Coastal Zone Management Act (CZMA) has begun. Additionally, it has been determined that your proposed activity is a use of state concern in accordance with Louisiana Revised Statute 49:214.25.

All correspondence and calls regarding this application should reference the Coastal Use Permit Number (P#) indicated above. Please note that all information concerning your application is in our database and is updated throughout the day as changes to the status of the application occur.
Your application can be found on our Webpage.

Should you have any questions, please check the online database or contact the assigned permit analyst: Sarah Roy at (225) 342-7941 or Sarah.Roy@la.gov. Be sure to reference the above Coastal Use Permit Number.

Sincerely,

CM

Permit Coordinator

Post Office Box 44487 • Baton Rouge, Louisiana 70804-4487
617 North Third Street • 10th Floor • Suite 1078 • Baton Rouge, Louisiana 70802
(225) 342-7591 • Fax (225) 342-9439 • http://www.dnr.louisiana.gov
An Equal Opportunity Employer

cc: Martin Mayer, COE

ENTERGY LOUISIANA, LLC

JOHN BEL EDWARDS
GOVERNOR

THOMAS F. HARRIS
SECRETARY

State of Louisiana

DEPARTMENT OF NATURAL RESOURCES

OFFICE OF COASTAL MANAGEMENT

12/07/2021

T. BAKER SMITH, LLC
PO BOX 2266
HOUMA, LA 70361
Attn: Cy Toups

RE: P20211098, Solicitation of Views
ENTERGY LOUISIANA, LLC
Description: Replacement of existing structures along the Barataria to Golden Meadow Transmission Line, Jefferson Parish.
Location: Lat 29-44-29.73N / Long -90-08-33.24W;
Jefferson Parish, LA

Dear Cy Toups:

We have received your Solicitation of Views for the above referenced project, which has been found to be inside the Louisiana Coastal Zone. In order for us to properly review and evaluate this project, we require that a complete Coastal Use Permit Application packet (Joint Application Form, locality maps, project illustration plats with plan and cross section views, etc.) along with the appropriate application fee be submitted to our office. Using your complete application, we can provide you with an official determination, and begin the processing of any Coastal Use Permit that may be required for your project. You may obtain a free application packet by calling our office at (225) 342-7591 or (800)-267-4019, or by visiting our website at

Applying for a Coastal Use Permit

We recommend that, during your planning process, you make every effort to minimize impacts to vegetated wetlands. As our legislative mandate puts great emphasis on avoiding damages to these habitats, in many cases the negotiations involved in reducing such disturbances and developing the required mitigation to offset the lost habitat values delay permit approval longer than any other factor. Additionally, the following sensitive features may require additional processing time by the appropriate resource agencies:

- Office of State Lands, State Water Bottoms
- Chitimacha Aboriginal Grounds
- CPRA Master Plan Project Map ID 001.DI.101 Ama Sediment Diversion
- Jean Lafitte National Park, National Park Service, coordinate activities at 504-382-4937

Should you desire additional consultation with our office prior to submitting a formal application, we

recommend that you call and schedule a pre-application meeting with our Permit Section staff. Such a preliminary meeting may be helpful, especially if a permit application that is as complete as possible is presented for evaluation at the pre-application meeting.

If you have any questions, would like to request an application packet or would like to schedule a pre-application meeting, please contact Sarah Roy at (225) 342-7941 or Sarah.Roy@la.gov.

Sincerely,

Karl L. Morgan
Administrator

Karl L. Morgan/sr

Attachments

Final Plats:

1) P20211098 Final Plats 11/22/2021

cc: Jordan Cobbs, OCM w/plats
Samuel Welty, CMD/FI w/plats
Jefferson Parish w/plats
ENTERGY LOUISIANA, LLC w/plats

JOHN BEL EDWARDS
GOVERNOR

JACK MONTOUCET
SECRETARY

PO BOX 98000 | BATON ROUGE LA | 70898

Date	December 10, 2021
Name	Cy. J. Toups
Company	T. Baker Smith, LLC
Street Address	P.O. Box 2266
City, State Zip	Houma, LA 70363
Project	Entergy Louisiana, LLC Barataria to Golden Meadow Transmission Line
Project ID	
Invoice Number	21121007

Personnel of the Coastal & Nongame Resources Division have reviewed the preliminary data for the captioned project. After careful review of our database, no impacts to rare, threatened, or endangered species or critical habitats are anticipated for the proposed project.

The Wildlife Diversity Program (WDP) has compiled data on rare, endangered, or otherwise significant plant and animal species, plant communities, and other natural features throughout the state of Louisiana. WDP reports summarize the existing information known at the time of the request regarding the location in question. The quantity and quality of data collected by the WDP are dependent on the research and observations of many individuals. In most cases, this information is not the result of comprehensive or site-specific field surveys; many natural areas in Louisiana have not been surveyed. This report does not address the occurrence of wetlands at the site in question. WDP reports should not be considered final statements on the biological elements or areas being considered, nor should they be substituted for on-site surveys required for environmental assessments. WDP requires that this office be acknowledged in all reports as the source of all data provided here. If at any time WDP tracked species are encountered within the project area, please contact the WDP Data Manager at 225-763-3554. If you have any questions, or need additional information, please call 225-765-2357.

Sincerely,

for Carolyn Michon

Nicole Lorenz, Program Manager
Wildlife Diversity Program

Tracy Pellegrin

From: Cy Toups, P.E.
Sent: Monday, January 10, 2022 10:12 AM
To: Tracy Pellegrin
Subject: FW: Entergy Louisiana, LLC - Replacement of Existing Structure along the Barataria to Golden Meadow Transmission Line - Jefferson Parish, Louisiana

Please file

Cy J. Toups. P.E.
Environmental Engineer

985.223.9256 | Direct
985.413.2116 | Cell
985.868.1050 | Office
866.357.1050 | Toll Free
www.tbsmith.com

T. BAKER SMITH, LLC
SOLUTIONS START HERE

From: Mouton, Mitchell - NRCS, ALEXANDRIA, LA <mitchell.mouton@usda.gov>
Sent: Monday, January 10, 2022 9:49 AM
To: Cy Toups, P.E. <Cy.Toups@tbsmith.com>
Subject: Entergy Louisiana, LLC - Replacement of Existing Structure along the Barataria to Golden Meadow Transmission Line - Jefferson Parish, Louisiana

Cy,

I just found a request letter for this project. There will be no impacts to prime farmland due to the project being within existing ROW. Do you need a response letter or will this email suffice?? Sorry for not responding in a timely manner!

Best Regards,

Mitchell Mouton
Assistant State Soil Scientist
USDA-NRCS Soils Section
3737 Government Street
Alexandria, LA 71302
Work (318) 473-7789
Cell (318) 955-6118
Email: mitchell.mouton@la.usda.gov

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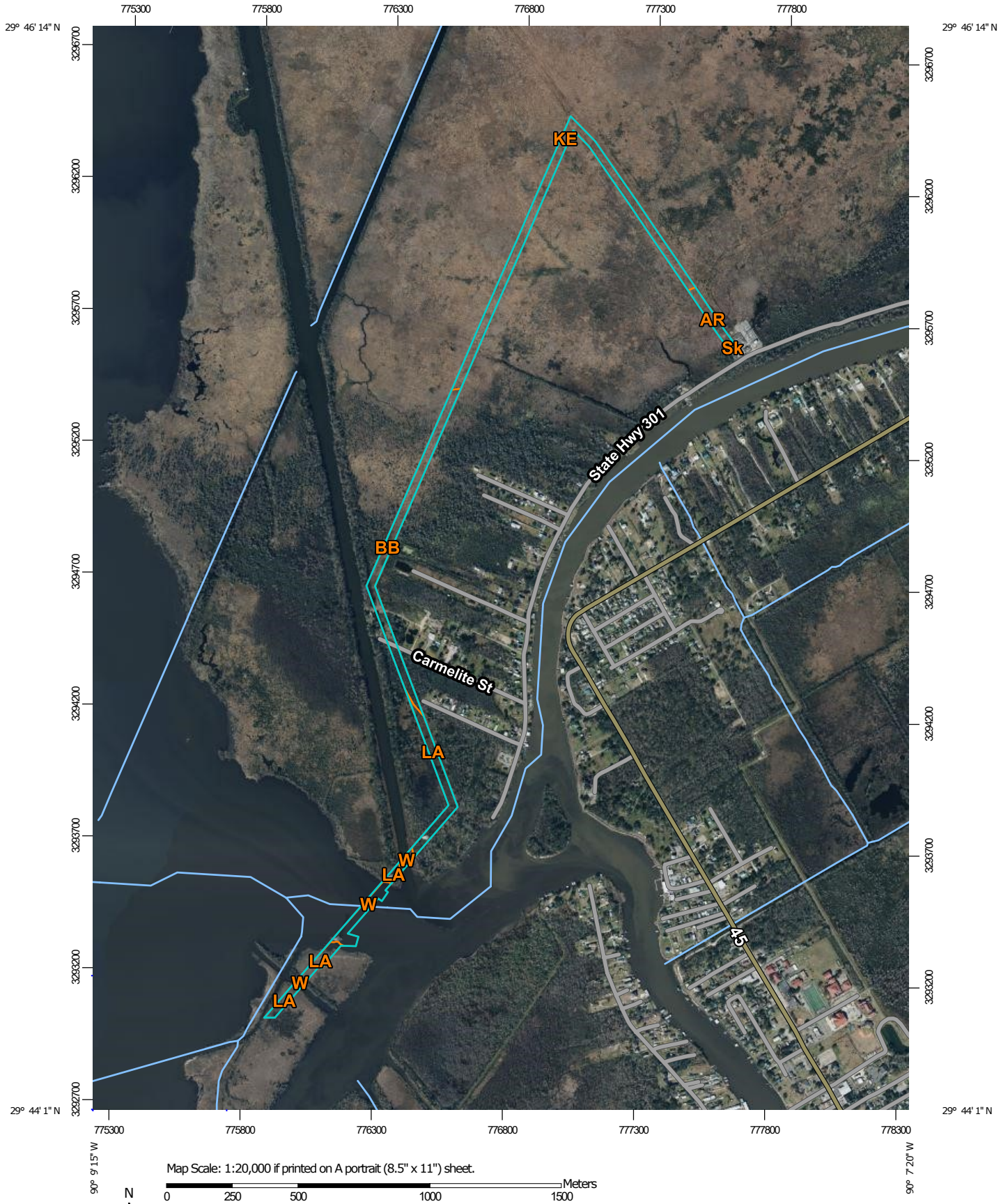
APPENDIX 4
PHYSICAL RESOURCES

Soil Map—Jefferson Parish, Louisiana
(Golden Meadow to Barataria Transmission Line Through JELA)



Map Scale: 1:20,000 if printed on A portrait (8.5" x 11") sheet.

N

Meters
0 250 500 1000 1500

Feet
0 500 1000 2000 3000

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 15N WGS84

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Jefferson Parish, Louisiana
Survey Area Data: Version 16, Sep 8, 2021

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jan 13, 2021—Mar 6, 2021

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
AR	Allemands muck, 0 to 0.2 percent slopes, very frequently flooded	2.0	5.3%
BB	Barbary muck, 0 to 1 percent slopes, frequently flooded	9.8	25.7%
KE	Kenner muck, 0 to 1 percent slopes, very frequently flooded	14.2	37.1%
LA	Lafitte-Clovelly association, 0 to 0.2 percent slopes, very frequently flooded	8.5	22.2%
Sk	Schriever clay, 0 to 1 percent slopes, rarely flooded	0.0	0.1%
W	Water	3.7	9.6%
Totals for Area of Interest		**38.2**	**100.0%**

APPENDIX 5
WATER RESOURCES

Scenic Rivers Descriptions and Map

LOUISIANA OUTDOOR EXPLORER INTERACTIVE MAP

(Select the Get on the Water tab, then select Natural and Scenic Rivers on the Layer List.)

Natural and Scenic Rivers

1. **Abita River** in St. Tammany Parish: from its headwaters to its entrance into the Bogue Falaya River
2. **Amite River** (East Feliciana Parish): from the Louisiana-Mississippi state line to LA Hwy 37
3. **Barnes Creek**: from LA Hwy 27 to the Calcasieu River in Allen and Beauregard parishes
4. **Bashman Bayou** (St. Bernard Parish): from its origin to Bayou Dupre
5. **Bayou Bartholomew** (Morehouse Parish): from the Louisiana-Arkansas state line to Dead Bayou
6. **Bayou Bienvenue** (St. Bernard Parish): from Bayou Villere to Lake Borgne
7. **Bayou Cane** (St. Tammany Parish): from its head waters to Lake Pontchartrain
8. **Bayou Chaperon** (St. Bernard Parish): from its origin to its end
9. **Bayou Chinchuba** (St. Tammany Parish): from the West Causeway approach south to Lake Pontchartrain
10. **Bayou Cocodrie** (Concordia Parish): from Wild Cow Bayou to Little Cross Bayou
11. **Bayou Cocodrie** (Rapides and Evangeline parishes): from US Hwy 167 to the Bayou Boeuf-Cocodrie Diversion Canal
12. **Bayou D'Arbonne** (Union and Ouachita parishes): from the Lake D'Arbonne dam to its entrance into the Ouachita River
13. **Bayou D'Loutre** (L'Outre; Ouachita and Union parishes): from the Louisiana-Arkansas state line to the bayou's entrance into the Ouachita River
14. **Bayou Des Allemands** (Lafourche and St. Charles parishes): from Lac Des Allemands to Lake Salvador
15. **Bayou Dupre** (St. Bernard Parish): from the Lake Borgne Canal to Terre Beau Bayou
16. **Bayou Kisatchie** (Natchitoches Parish): from its entrance into Kisatchie National Forest to its entrance into Old River
17. **Bayou La Branche** (St. Charles Parish): from its source to where it drains into Lake Pontchartrain
18. **Bayou LaCombe** (St. Tammany Parish): from its headwaters to Lake Pontchartrain
19. **Bayou Liberty** (St. Tammany Parish): from its designation at Horseshoe Island Road to Bayou Bonfouca
20. **Bayou Trepagnier** (St. Charles Parish): from Norco to where the bayou joins Bayou La Branche
21. **Beckwith Creek**: from its headwaters to the west fork of the Calcasieu River in Beauregard and Calcasieu parishes
22. **Big Creek** (Grant Parish): from Hwy 167 to the creek's entrance into Little River
23. **Black Lake Bayou** (Red River, Winn, and Bienville parishes): from the Webster-Bienville parish line to Black Lake in Natchitoches Parish
24. **Blind River** (St. James, Ascension, Livingston, and St. John parishes): from its origin in St. James Parish to its entrance into Lake Maurepas
25. **Bogue Chitto River** (Washington and St. Tammany parishes): from the Louisiana-Mississippi state line to the river's entrance into the Pearl River Navigation Canal
26. **Bogue Falaya River** (St. Tammany Parish): from its headwaters to LA Hwy 437 in St. Tammany Parish
27. **Bradley Slough** (Bayou; St. Tammany Parish): all of that portion of the slough within the boundaries of St. Tammany Parish
28. **Bundicks Creek** (Vernon, Beauregard, and Allen parishes): from its headwaters to Bundicks Lake and from Bundicks Lake to Whiskey (Ouiska) Chitto Creek
29. **Calcasieu River** (Vernon and Rapides parishes): from LA Hwy 8 east through Vernon Parish and all of that portion of the river within the boundaries of Rapides Parish
30. **Calcasieu River** (Allen, Jefferson Davis, and Calcasieu parishes): from the mouth of the Whiskey (Ouiska) Chitto River in Allen Parish, south through Jefferson Davis Parish, and to the river's intersection with Ward Eight Park in Calcasieu Parish
31. **Comite River** (East Feliciana and East Baton Rouge parishes): from the Wilson-Clinton Hwy (Hwy 10) in East Feliciana Parish to the entrance of White Bayou in East Baton Rouge Parish
32. **Corney Bayou** (Claiborne and Union parishes): from the Louisiana-Arkansas state line to Corney Lake and Corney Lake Dam to Lake D'Arbonne
33. **Dorcheat (Dauchite) Bayou** (Webster Parish): from the Arkansas state line to the bayou's entrance into Lake Bistineau
34. **Drake's Creek** (Vernon Parish): from Lookout Road to the creek's confluence with Whiskey (Ouiska) Chitto Creek in Vernon Parish
35. **Fish Creek** (Grant Parish): from its origin near Williana to its entrance into Little River
36. **Hickory Branch** (Beauregard and Calcasieu parishes): from its headwaters to the west fork of the Calcasieu River

41. **dle Fork of Bayou D'Arbonne** (Claiborne and Union parishes): from its origin near LA Hwy 2 Alternate to Lake D'Arbonne
41. **Morgan River** (St. Tammany Parish): from its juncture with the Porters River to its reentry into the West Pearl River
42. **Ouachita River** (Morehouse and Union parishes): from the north bank of Bayou Bartholomew at its intersection with the Ouachita River to the Arkansas state line
43. **Pearl Creek** (Vernon Parish): from LA Hwy 111 to the creek's entrance into the Sabine River
44. **Pirogue Bayou** (St. Bernard Parish): from Bayou Dupre to New Canal
45. **Pushepatapa Creek** (Washington Parish): from where East Fork and West Fork join near the state line to where the creek breaks up prior to entering the Pearl River
46. **Saline Bayou** (Bienville, Winn, and Natchitoches parishes): from its origin near Arcadia to LA Hwy 156 in Winn Parish
47. **Saline Bayou** (Catahoula and LaSalle parishes): from Saline Lake to Larto Lake
48. **Six Mile Creek** (Allen and Vernon parishes): includes the East and West Forks and beginning at the boundary of Fort Polk Military Reservation (Lookout Road) and extending south through Vernon and Allen parishes to the creek's entrance into Whiskey (Ouiska) Chitto Creek
49. **Spring Creek** (Rapides Parish): from Otis to Cocodrie Lake in Rapides Parish
50. **Tangipahoa River** (Tangipahoa Parish): from the Louisiana-Mississippi state line to the river's entrance into Lake Pontchartrain
51. **Tchefuncte River and its tributaries** (Washington, Tangipahoa, and St. Tammany parishes): from its origin in Tangipahoa Parish to its juncture with the Bogue Falaya River; tributaries include Beech, Champagne, Clark, Cowpen, Cypress, Hornsby, Horse, Mary, McClothlin, Mile, Rattlesnake, Savannah, Smith, Soap and Tallow, and Timber branches and Flower Bayou, Pruden, St. Paul's, Simpson and Tantella creeks in St. Tammany Parish; Black, Bull, and Reedy branches and Snow and Taylor creeks in Tangipahoa Parish; Catca, Gorman, North and South Carson creeks in Washington Parish; and all other direct tributaries of the Tchefuncte.
52. **Tchefuncte River** (excluding any tributaries; St. Tammany Parish): from the Bogue Falaya River to Lake Pontchartrain
53. **Ten Mile Creek** (Rapides, Allen, and Vernon parishes): from the boundary of Fort Polk Military Reservation (Lookout Road) through Vernon Parish and all of that portion of the creek within the boundaries of Rapides and Allen Parishes
54. **Terre Beau Bayou** (St. Bernard Parish): from Bayou Dupre to New Canal
55. **Tickfaw River** (St. Helena Parish): from the Louisiana-Mississippi state line to LA Hwy 42
56. **Trout Creek** (LaSalle Parish): from its origin near Hwy 8 to its entrance into Little River
57. **West Pearl River** (Washington and St. Tammany parishes): from the state line to the river's entrance into Lake Borgne
58. **Whiskey (Ouiska) Chitto Creek** (Vernon, Beauregard, and Allen parishes): from the boundary of Fort Polk Military Reservation (Lookout Road) to its entrance into Calcasieu River
59. **Wilson Slough** (Bayou; St. Tammany Parish): within the boundaries of St. Tammany Parish

Historic and Scenic Rivers

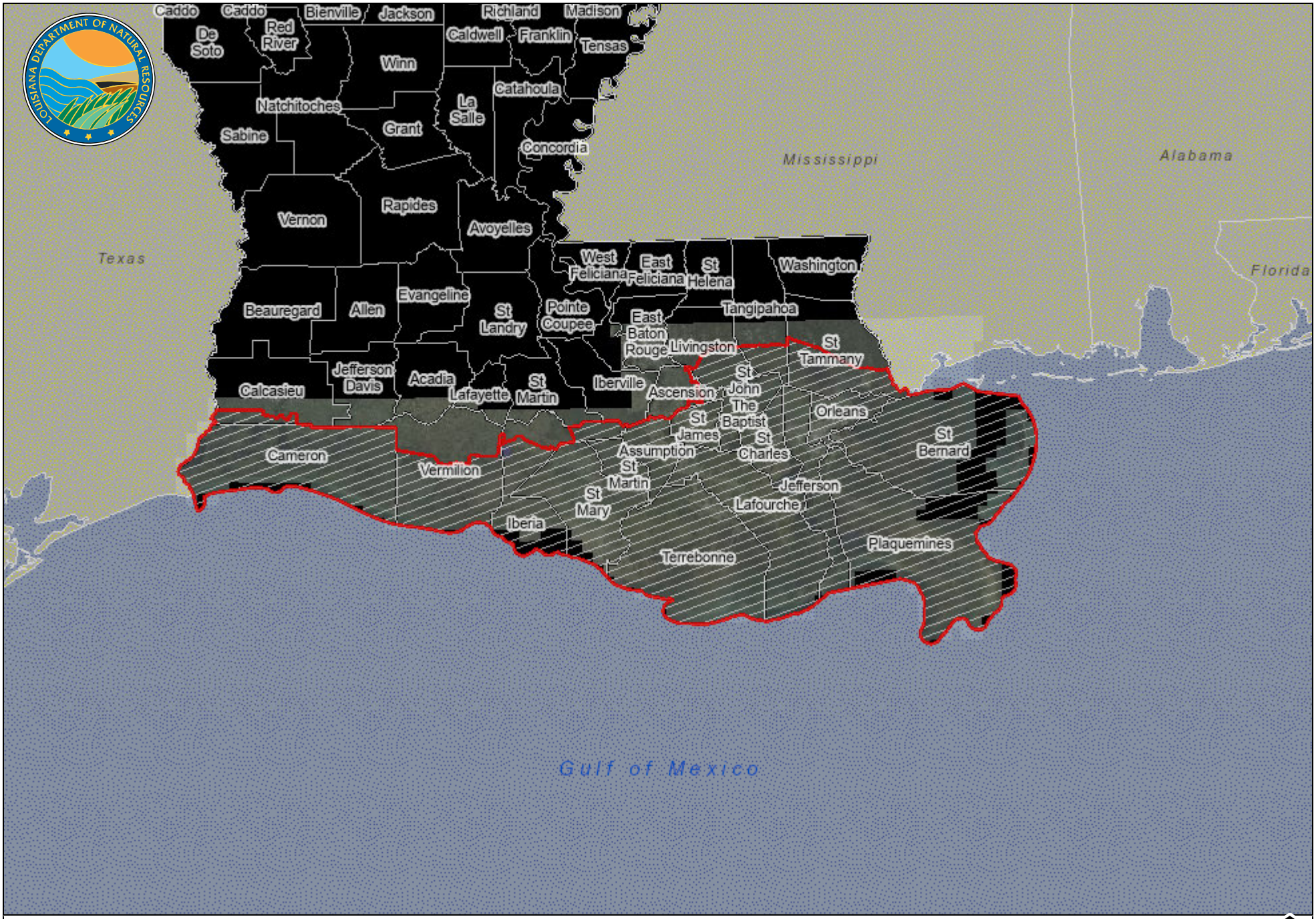
River, stream, or bayou or segment thereof which because of its unique historical status and scenic character requires protection and preservation of its aesthetic, scenic, recreation, fish, wildlife, ecological, archaeological, geological, botanical, and other natural and physical features

1. **Bayou Manchac**: from the Amite River to the Mississippi River Levee
2. **Bayou St. John**: from its point of origin to its entrance into Lake Ponchartrain

Last updated December 11, 2019

Louisiana Department of Wildlife and Fisheries
PO Box 98000
2000 Quail Drive
Baton Rouge, LA 70898
800.256.2749
225.765.2800
CONTACT US

APPENDIX 6
COASTAL RESOURCES



0 20 40 mi

Absolute Scale: 1:2,941,176

Relative Scale: 1 inch = 245,098 feet

State Coastal Zone Boundary Map

Disclaimer: This data is not to be used for legal purposes.

Date: 10/3/2022

N

APPENDIX 7
BIOLOGICAL RESOURCES

Last updated November 6, 2020

ENDANGERED, THREATENED, AND CANDIDATE SPECIES OF LOUISIANA

E=Endangered T=Threatened P=Proposed C=Candidate CH=Critical Habitat NEP=Non-essential Experimental Population*

PARISH† / SPECIES	OCCURRENCE	GROUP	STATUS
ALLEN			
Chaffseed, American	Known	Plant	E
Woodpecker, Red-cockaded	Known	Bird	E
ASCENSION			
Manatee, West Indian	Seasonal	Mammal	T
Mussel, Alabama Heelsplitter	Known	Mollusk	T
Sturgeon, Atlantic (Gulf subspecies)	Known	Fish	T
Sturgeon, Pallid	Known	Fish	E
AVOYELLES			
Bat, Northern Long-eared	Possible	Mammal	T
Sturgeon, Pallid	Known	Fish	E
BEAUREGARD			
Chaffseed, American	Known	Plant	E
Woodpecker, Red-cockaded	Known	Bird	E
BIENVILLE			
Bat, Northern Long-eared	Possible	Mammal	T
Earth Fruit	Possible	Plant	T
Snake, Louisiana Pine	Known	Reptile	T
Woodpecker, Red-cockaded	Known	Bird	E
BOSSIER			
Bat, Northern Long-eared	Known	Mammal	T
Sturgeon, Pallid	Possible	Fish	E
Tern, Interior Least	Known	Bird	E
Woodpecker, Red-cockaded	Known	Bird	E
CADDO			
Bat, Northern Long-eared	Possible	Mammal	T
Earth Fruit	Known	Plant	T
Sturgeon, Pallid	Possible	Fish	E
Tern, Interior Least	Known	Bird	E
Woodpecker, Red-cockaded	Known	Bird	E
CALCASIEU			
Manatee, West Indian	Seasonal	Mammal	T
Woodpecker, Red-cockaded	Known	Bird	E
CALDWELL			
Bat, Northern Long-eared	Possible	Mammal	T
CAMERON			
Manatee, West Indian	Seasonal	Mammal	T
Knot, Red	Known	Bird	T
Plover, Piping	Known	Bird	T, CH
Rail, Eastern Black	Known	Bird	T
Turtle, Green Sea	Known	Reptile	T
Turtle, Hawksbill Sea	Known	Reptile	E
Turtle, Kemp's Ridley Sea	Known	Reptile	E
Turtle, Leatherback Sea	Known	Reptile	E
Turtle, Loggerhead Sea	Known	Reptile	T

Last updated November 6, 2020

PARISH† / SPECIES	OCCURRENCE	GROUP	STATUS
CATAHOULA			
Bat, Northern Long-eared	Possible	Mammal	T
Sturgeon, Pallid	Possible	Fish	E
Woodpecker, Red-cockaded	Known	Bird	E
CLAIBORNE			
Bat, Northern Long-eared	Possible	Mammal	T
CONCORDIA			
Bat, Northern Long-eared	Possible	Mammal	T
Mussel, Fat Pocketbook Pearly	Known	Mollusk	E
Sturgeon, Pallid	Known	Fish	E
Tern, Interior Least	Known	Bird	E
DESOTO			
Bat, Northern Long-eared	Possible	Mammal	T
Earth Fruit	Known	Plant	T
Woodpecker, Red-cockaded	Known	Bird	E
EAST BATON ROUGE			
Manatee, West Indian	Seasonal	Mammal	T
Mussel, Alabama Heelsplitter	Known	Mollusk	T
Sturgeon, Atlantic (Gulf subspecies)	Known	Fish	T
Sturgeon, Pallid	Known	Fish	E
EAST CARROLL			
Bat, Northern Long-eared	Possible	Mammal	T
Mussel, Fat Pocketbook Pearly	Known	Mollusk	E
Sturgeon, Pallid	Known	Fish	E
Tern, Interior Least	Known	Bird	E
EAST FELICIANA			
Mussel, Alabama Heelsplitter	Known	Mollusk	T
Sturgeon, Atlantic (Gulf subspecies)	Possible	Fish	T
Sturgeon, Pallid	Known	Fish	E
EVANGELINE			
Woodpecker, Red-cockaded	Known	Bird	E
FRANKLIN			
Bat, Northern Long-eared	Possible	Mammal	T
GRANT			
Bat, Northern Long-eared	Known	Mammal	T
Mussel, Louisiana Pearlshell	Known	Mollusk	T
Sturgeon, Pallid	Possible	Fish	E
Tern, Interior Least	Possible	Bird	E
Woodpecker, Red-cockaded	Known	Bird	E
IBERIA			
Manatee, West Indian	Seasonal	Mammal	T
Knot, Red	Seasonal	Bird	T
Plover, Piping	Seasonal	Bird	T
Rail, Eastern Black	Possible	Bird	T
Sturgeon, Pallid	Known	Fish	E
Turtle, Green Sea	Known	Reptile	T
Turtle, Hawksbill Sea	Known	Reptile	E
Turtle, Kemp's Ridley Sea	Known	Reptile	E
Turtle, Leatherback Sea	Known	Reptile	E
Turtle, Loggerhead Sea	Known	Reptile	T

PARISH† / SPECIES	OCCURRENCE	GROUP	STATUS
IBERVILLE			
Sturgeon, Atlantic (Gulf subspecies)	Possible	Fish	T
Sturgeon, Pallid	Known	Fish	E
JACKSON			
Bat, Northern Long-eared	Possible	Mammal	T
Woodpecker, Red-cockaded	Known	Bird	E
JEFFERSON			
Manatee, West Indian	Seasonal	Mammal	T
Knot, Red	Known	Bird	T
Plover, Piping	Known	Bird	T, CH
Rail, Eastern Black	Possible	Bird	T
Sturgeon, Atlantic (Gulf subspecies)	Known	Fish	T, CH
Sturgeon, Pallid	Known	Fish	E
Turtle, Green Sea	Known	Reptile	T
Turtle, Hawksbill Sea	Known	Reptile	E
Turtle, Kemp's Ridley Sea	Known	Reptile	E
Turtle, Leatherback Sea	Known	Reptile	E
Turtle, Loggerhead Sea	Known	Reptile	T
LAFOURCHE			
Manatee, West Indian	Seasonal	Mammal	T
Knot, Red	Known	Bird	T
Plover, Piping	Known	Bird	T, CH
Rail, Eastern Black	Possible	Bird	T
Turtle, Green Sea	Known	Reptile	T
Turtle, Hawksbill Sea	Known	Reptile	E
Turtle, Kemp's Ridley Sea	Known	Reptile	E
Turtle, Leatherback Sea	Known	Reptile	E
Turtle, Loggerhead Sea	Known	Reptile	T
LA SALLE			
Bat, Northern Long-eared	Known	Mammal	T
Woodpecker, Red-cockaded	Known	Bird	E
LINCOLN			
Bat, Northern Long-eared	Possible	Mammal	T
LIVINGSTON			
Manatee, West Indian	Seasonal	Mammal	T
Mussel, Alabama Heelsplitter	Known	Mollusk	T
Sturgeon, Atlantic (Gulf subspecies)	Known	Fish	T
Woodpecker, Red-cockaded	Known	Bird	E
MADISON			
Bat, Northern Long-eared	Possible	Mammal	T
Mussel, Fat Pocketbook Pearly	Known	Mollusk	E
Tern, Interior Least	Known	Bird	E
MOREHOUSE			
Bat, Northern Long-eared	Possible	Mammal	T
Mussel, Pink Mucket Pearly	Known	Mollusk	E
Mussel, Rabbitsfoot	Known	Mollusk	T
Woodpecker, Red-cockaded	Known	Bird	E
NATCHITOCHES (cont. on next page)			
Bat, Northern Long-eared	Possible	Mammal	T
Snake, Louisiana Pine	Known	Reptile	T

PARISH† / SPECIES	OCCURRENCE	GROUP	STATUS
NATCHITOCHES (cont.)			
Sturgeon, Pallid	Possible	Fish	E
Tern, Interior Least	Known	Bird	E
Woodpecker, Red-cockaded	Known	Bird	E
ORLEANS			
Manatee, West Indian	Seasonal	Mammal	T
Sturgeon, Atlantic (Gulf subspecies)	Known	Fish	T, CH
Sturgeon, Pallid	Known	Fish	E
OUACHITA			
Bat, Northern Long-eared	Known	Mammal	T
Woodpecker, Red-cockaded	Known	Bird	E
PLAQUEMINES			
Manatee, West Indian	Seasonal	Mammal	T
Knot, Red	Seasonal	Bird	T
Plover, Piping	Known	Bird	T, CH
Rail, Eastern Black	Possible	Bird	T
Sturgeon, Atlantic (Gulf subspecies)	Known	Fish	T
Sturgeon, Pallid	Known	Fish	E
Turtle, Green Sea	Known	Reptile	T
Turtle, Hawksbill Sea	Known	Reptile	E
Turtle, Kemp's Ridley Sea	Known	Reptile	E
Turtle, Leatherback Sea	Known	Reptile	E
Turtle, Loggerhead Sea	Known	Reptile	T
POINTE COUPEE			
Sturgeon, Pallid	Known	Fish	E
RAPIDES			
Bat, Northern Long-eared	Possible	Mammal	T
Mussel, Louisiana Pearlshell	Known	Mollusk	T
Sturgeon, Pallid	Possible	Fish	E
Tern, Interior Least	Possible	Bird	E
Woodpecker, Red-cockaded	Known	Bird	E
RED RIVER			
Bat, Northern Long-eared	Possible	Mammal	T
Earth Fruit	Possible	Plant	T
Sturgeon, Pallid	Possible	Fish	E
Tern, Interior Least	Known	Bird	E
RICHLAND			
Bat, Northern Long-eared	Possible	Mammal	T
SABINE			
Earth Fruit	Possible	Plant	T
Snake, Louisiana Pine	Known	Reptile	T
Woodpecker, Red-cockaded	Known	Bird	E
ST. BERNARD (cont. on next page)			
Manatee, West Indian	Seasonal	Mammal	T
Knot, Red	Known	Bird	T
Plover, Piping	Known	Bird	T, CH
Rail, Eastern Black	Possible	Bird	T
Sturgeon, Atlantic (Gulf subspecies)	Known	Fish	T, CH
Sturgeon, Pallid	Known	Fish	E
Turtle, Green Sea	Known	Reptile	T

PARISH† / SPECIES	OCCURRENCE	GROUP	STATUS
ST. BERNARD (cont.)			
Turtle, Hawksbill Sea	Known	Reptile	E
Turtle, Kemp's Ridley Sea	Known	Reptile	E
Turtle, Leatherback Sea	Known	Reptile	E
Turtle, Loggerhead Sea	Known	Reptile	T
ST. CHARLES			
Manatee, West Indian	Seasonal	Mammal	T
Sturgeon, Atlantic (Gulf subspecies)	Known	Fish	T
Sturgeon, Pallid	Known	Fish	E
ST. HELENA			
Mussel, Alabama Heelsplitter	Known	Mollusk	T
Sturgeon, Atlantic (Gulf subspecies)	Known	Fish	T
ST. JAMES			
Manatee, West Indian	Seasonal	Mammal	T
Sturgeon, Atlantic (Gulf subspecies)	Known	Fish	T
Sturgeon, Pallid	Known	Fish	E
ST. JOHN THE BAPTIST			
Manatee, West Indian	Seasonal	Mammal	T
Mussel, Alabama Heelsplitter	Possible	Mollusk	T
Sturgeon, Atlantic (Gulf subspecies)	Known	Fish	T
Sturgeon, Pallid	Known	Fish	E
ST. LANDRY			
Sturgeon, Pallid	Known	Fish	E
ST. MARTIN			
Manatee, West Indian	Seasonal	Mammal	T
Sturgeon, Pallid	Known	Fish	E
ST. MARY			
Manatee, West Indian	Seasonal	Mammal	T
Knot, Red	Seasonal	Bird	T
Plover, Piping	Known	Bird	T, CH
Rail, Eastern Black	Possible	Bird	T
Sturgeon, Pallid	Known	Fish	E
Turtle, Green Sea	Known	Reptile	T
Turtle, Hawksbill Sea	Known	Reptile	E
Turtle, Kemp's Ridley Sea	Known	Reptile	E
Turtle, Leatherback Sea	Known	Reptile	E
Turtle, Loggerhead Sea	Known	Reptile	T
ST. TAMMANY			
Manatee, West Indian	Seasonal	Mammal	T
Mussel, Alabama Heelsplitter	Possible	Mollusk	T
Quillwort, Louisiana	Known	Plant	E
Sturgeon, Atlantic (Gulf subspecies)	Known	Fish	T, CH
Tortoise, Gopher	Known	Reptile	T
Turtle, Ringed Map	Known	Reptile	T
Woodpecker, Red-cockaded	Known	Bird	E
TANGIPAHOA			
Manatee, West Indian	Seasonal	Mammal	T
Sturgeon, Atlantic (Gulf subspecies)	Known	Fish	T
Tortoise, Gopher	Known	Reptile	T
Woodpecker, Red-cockaded	Known	Bird	E

PARISH† / SPECIES	OCCURRENCE	GROUP	STATUS
TENSAS			
Bat, Northern Long-eared	Possible	Mammal	T
Mussel, Fat Pocketbook Pearly	Known	Mollusk	E
Sturgeon, Pallid	Known	Fish	E
Tern, Interior Least	Known	Bird	E
TERREBONNE			
Manatee, West Indian	Seasonal	Mammal	T
Knot, Red	Known	Bird	T
Plover, Piping	Known	Bird	T, CH
Rail, Eastern Black	Possible	Bird	T
Turtle, Green Sea	Known	Reptile	T
Turtle, Hawksbill Sea	Known	Reptile	E
Turtle, Kemp's Ridley Sea	Known	Reptile	E
Turtle, Leatherback Sea	Known	Reptile	E
Turtle, Loggerhead Sea	Known	Reptile	T
UNION			
Bat, Northern Long-eared	Known	Mammal	T
Woodpecker, Red-cockaded	Known	Bird	E
VERMILION			
Crane, Whooping	Known	Bird	NEP
Manatee, West Indian	Seasonal	Mammal	T
Knot, Red	Known	Bird	T
Plover, Piping	Known	Bird	T, CH
Rail, Eastern Black	Known	Bird	T
Turtle, Green Sea	Known	Reptile	T
Turtle, Hawksbill Sea	Known	Reptile	E
Turtle, Kemp's Ridley Sea	Known	Reptile	E
Turtle, Leatherback Sea	Known	Reptile	E
Turtle, Loggerhead Sea	Known	Reptile	T
VERNON			
Snake, Louisiana Pine	Known	Reptile	T
Woodpecker, Red-cockaded	Known	Bird	E
WASHINGTON			
Mussel, Alabama Heelsplitter	Known	Mollusk	T
Quillwort, Louisiana	Known	Plant	E
Sturgeon, Atlantic (Gulf subspecies)	Known	Fish	T, CH
Tortoise, Gopher	Known	Reptile	T
Turtle, Ringed Map	Known	Reptile	T
WEBSTER			
Bat, Northern Long-eared	Possible	Mammal	T
Woodpecker, Red-cockaded	Known	Bird	E
WEST BATON ROUGE			
Manatee, West Indian	Seasonal	Mammal	T
Sturgeon, Pallid	Known	Fish	E
WEST CARROLL			
Bat, Northern Long-eared	Possible	Mammal	T
WEST FELICIANA			
Sturgeon, Pallid	Known	Fish	E
WINN (cont. on next page)			
Bat, Northern Long-eared	Known	Mammal	T

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PARISH† / SPECIES	OCCURRENCE	GROUP	STATUS
WINN (cont.)			
Earth Fruit	Known	Plant	T
Sturgeon, Pallid	Possible	Fish	E
Tern, Interior Least	Possible	Bird	E
Woodpecker, Red-cockaded	Known	Bird	E

***** Endangered (E) – any species which is in danger of extinction throughout all or a significant portion of its range.
***** Threatened (T) – any species which is likely to become an endangered species within the foreseeable future throughout all or a significant portion of its range.
***** Proposed (P) – any species which is proposed for listing under the Endangered Species Act.
***** Candidate (C) – plant and animal taxa considered for possible addition to the List of Endangered and Threatened Species. These are taxa for which the Service has on file sufficient information on biological vulnerability and threat(s) to support issuance of a proposal to list, but issuance of a proposed rule is currently precluded by higher priority listing actions.
***** Critical Habitat (CH) – for listed species consists of: (1) the specific areas within the geographical area occupied by the species, at the time it is listed in accordance with the provisions of section 4 of the Act, on which are found those physical or biological features (constituent elements) (a) essential to the conservation of the species and (b) which may require special management considerations or protection; and (2) specific areas outside the geographical area occupied by the species at the time it is listed in accordance with the provisions of section 4 of the Act, upon a determination by the Secretary that such areas are essential for the conservation of the species.
***** Non-Essential Experimental Population (NEP) – A reintroduced population believed not to be essential for the survival of the species, but important for its full recovery and eventual removal from the endangered and threatened list. These populations are treated as "threatened" species except that the ESA's section 7 consultation regulations (requiring consultation with the U.S. Fish and Wildlife Service to reduce adverse impacts from Federal actions) do not apply (except where the species occurs within National Parks or National Wildlife Refuges) and critical habitat cannot be designated.
†If a Parish is not listed here, there are no known occurrences of a threatened, endangered, proposed, or candidate species, or their critical habitat, for that Parish.

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THREATENED AND ENDANGERED SPECIES

SPECIES	STATUS	GENERAL DISTRIBUTION IN LOUISIANA
MAMMALS		
Bat, Northern Long-eared (*Myotis septentrionalis*)	Threatened	Known to occur in Bossier, Grant, LaSalle, Ouachita, Rapides, Richland, Union, and Winn parishes; possible in Avoyelles, Bienville, Caddo, Caldwell, Catahoula, Claiborne, Concordia, DeSoto, East Carroll, Franklin, Jackson, Lincoln, Madison, Morehouse, Natchitoches, Red River, Tensas, Webster, and West Carroll parishes
Manatee, West Indian (*Trichechus manatus*)	Threatened	Lake Pontchartrain and tributaries on North Shore; rare along Gulf coast
Panther, Florida (*Felis concolor coryi*)	Endangered[1]	Entire state
Whale, Finback (*Balaenoptera physalus*)	Endangered	Coastal waters
Whale, Humpback (*Megaptera novaeangliae*)	Endangered[2]	Coastal waters
Whale, Right (*Eubalaena glacialis*)	Endangered[2]	Coastal waters
Whale, Sei (*Balaenoptera borealis*)	Endangered[2]	Coastal waters
Whale, Sperm (*Physeter catodon*)	Endangered[2]	Coastal waters
Wolf, Red (*Canis rufus*)	Endangered[1]	Cameron and Calcasieu parishes
BIRDS		
Crane, Whooping (*Grus americana*)	Non-essential Experimental Population	White Lake Management Area (WMA), Vermilion Parish
Curlew, Eskimo (*Numenius borealis*)	Endangered[1]	Entire state
Knot, Red (*Calidris canutus rufa*)	Threatened	Coast
Plover, Piping (*Charadrius melodus*)	Threatened	Coast
Rail, Eastern Black (*Laterallus jamaicensis jamaicensis*)	Threatened	Known to occur in Cameron and Vermilion parishes; possible in Iberia, Jefferson, Lafourche, Plaquemines, St. Bernard, St. Mary, and Terrebonne parishes
Tern, Interior Least (*Sterna antillarum*)	Endangered	Mississippi River north of Baton Rouge; Red River north of Colfax
Warbler, Bachman's (*Vermivora bachmanii*)	Endangered[3]	Entire state
Woodpecker, Ivory-billed (*Campephilus principalis*)	Endangered[1]	Entire state
Woodpecker, Red-cockaded (*Picoides borealis*)	Endangered	Pine forests throughout the state

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SPECIES	STATUS	GENERAL DISTRIBUTION IN LOUISIANA
REPTILES		
Alligator, American (*Alligator mississippiensis*)	Threatened (S/A)[4]	Entire state
Snake, Louisiana Pine (*Pituophis ruthveni*)	Threatened	Bienville, Natchitoches, Sabine, and Vernon parishes
Tortoise, Gopher (*Gopherus polyphemus*)	Threatened	St. Tammany, Tangipahoa, and Washington parishes
Turtle, Green Sea (*Chelonia mydas*)	Threatened[5]	Coastal waters
Turtle, Hawksbill Sea (*Eretmochelys imbricata*)	Endangered[5]	Coastal waters
Turtle, Kemp's (Atlantic) Ridley Sea (*Lepidochelys kempii*)	Endangered[5]	Coastal waters
Turtle, Leatherback Sea (*Dermochelys coriacea*)	Endangered[5]	Coastal waters
Turtle, Loggerhead Sea (*Caretta caretta*)	Threatened[5]	Coastal waters
Turtle, Ringed Map (= sawback) (*Graptemys oculifera*)	Threatened	Pearl and Bogue Chitto Rivers
FISH		
Sawfish, Smalltooth (*Pristis pectinata*)	Endangered[2]	Gulf of Mexico from Texas to Florida
Sturgeon, Atlantic (Gulf subspecies) (*Acipenser oxyrhynchus desotoi*)	Threatened[5]	Pearl River and tributaries; Lake Pontchartrain and tributaries
Sturgeon, Pallid (*Scaphirhynchus albus*)	Endangered	Mississippi River and tributaries
Sturgeon, Shovelnose (*Scaphirhynchus platorynchus*)	Threatened (S/A)[6]	Mississippi River and tributaries
INVERTEBRATES		
Mussel, Alabama heelsplitter (= inflated) (*Potamilus inflatus*)	Threatened	Amite River, possible in Pearl River
Mussel, Fat Pocketbook Pearly (*Potamilus capax*)	Endangered	Mississippi River
Mussel, Louisiana Pearlshell (*Margaritifera hembeli*)	Threatened	Bayous Boeuf, Rapides, and Rigolette drainages in Rapides and Grant parishes
Mussel, Pink Mucket Pearly (*Lampsilis abrupta*)	Endangered	Bayou Bartholomew
Mussel, Rabbitsfoot (*Quadrula cylindrica*)	Threatened	Bayou Bartholomew
PLANTS		
Chaffseed, American (*Schwalbea americana*)	Endangered	Allen and Beauregard parishes
Earth Fruit (*Geocarpon minimum*)	Threatened	Known to occur in Caddo, DeSoto, and Winn parishes; possible in Bienville, Caldwell, Morehouse, and Sabine parishes
Quillwort, Louisiana (*Isoetes louisianensis*)	Endangered	St. Tammany and Washington parishes

[1] The Florida panther, red wolf, Eskimo curlew, and ivory-billed woodpecker are presumed to be extinct in the state.
[2] The National Marine Fisheries Service, St. Petersburg, Florida, has consultation authority for these species.

[3] There has been no confirmed Bachman's Warbler U.S. nesting ground sighting since the mid-1960s. The last confirmed sighting anywhere in the U.S. was 1988. This species may be extirpated in Louisiana.
[4] For law enforcement purposes the alligators in Louisiana are classified as "Threatened due to Similarity of Appearance." They are biologically neither endangered nor threatened. Regulated harvest is permitted under State law, September 21, 1998.
[5] The U.S. Fish and Wildlife Service and the National Marine Fisheries Service share consultation authority for these species.
[6] For law enforcement purposes shovelnose sturgeon are classified as "Threatened due to Similarity of Appearance" wherever they coexist with the endangered pallid sturgeon. They are biologically neither endangered nor threatened but this designation extends the ESA take prohibitions to shovelnose sturgeon, shovelnose-pallid sturgeon hybrids and their roe when associated with a commercial fishing activity.

JOHN BEL EDWARDS
GOVERNOR

JACK MONTOUCET
SECRETARY

PO BOX 98000 | BATON ROUGE LA | 70898

December 15, 2021

Karl Morgan, Administrator
Louisiana Department of Natural Resources
Office of Coastal Management
P.O. Box 44487
Baton Rouge, LA 70804-4487

RE: *Application Number: P20210693*
Applicant: Entergy Louisiana, LLC
Notice Date: December 10, 2021

Dear Mr. Morgan:

The professional staff of the Louisiana Department of Wildlife and Fisheries (LDWF) has reviewed the notice referenced above. The following recommendations have been provided by the appropriate biologist(s):

Ecological Studies:
LDWF is amenable to the allowance of a one-year growing season prior to assessing permanent impacts to vegetated wetlands.

Wildlife Diversity Program:
No impacts to rare, threatened or endangered species or critical habitats are anticipated from the proposed project. No state or federal parks, wildlife refuges, wildlife management areas or scenic rivers are known at the specified site or within ¼ mile of the proposed project.

The Wildlife Diversity Program (WDP) reports summarize the existing information known at the time of the request regarding the location in question. WDP reports should not be considered final statements on the biological elements or areas being considered, nor should they be substituted for on-site surveys required for environmental assessments. If at any time WPD tracked species are encountered within the project area, please contact our biologist at 225-763-3554.

Oyster Seed Grounds:

1. Applicant shall be liable for, and shall compensate the state for, any damages to the oyster seed grounds caused by Applicant or Applicant's contractors during any work done under this permit. Prior to commencement of the permitted activity, Applicant will also provide LDWF with the name of an individual in authority who can be contacted regarding any work done under the permit.

2. Compensation for impacts to the public oyster seed grounds shall be in the form of the planting of cultch material (i.e. crushed concrete, limestone, oyster shell, etc) at the rate of 1 cubic yard per acre of impacted area for barren, non-supportive areas of the seed grounds, 50 cubic yards per acre of impacted area for supportive areas, and 187 cubic yards per acre of impacted area for reef areas plus the value of any living oyster resources destroyed. Applicant shall bear the expense of acquisition and deposition of cultch. The cultch shall be deposited by the Applicant, Applicant's contractor, or sub-

contractor, under the direct supervision of LDWF, and shall be deposited at a time, place, and in a manner prescribed by the Department. In lieu of planting cultch material, the Applicant may make payment directly to the Public Oyster Seed Ground Development Account.

3. Applicant, Applicant's contractors and sub-contractors shall not discharge any produced waters, human waste that does not meet or exceed the requirements of the Department of Health and Hospitals, or drilling and/or workover effluent except for flocculated filtered water into the waters in the areas of the proposed activity or along any proposed access routes. Discharge rate of water shall not exceed the rate of filtering. If deemed appropriate Applicant shall have at the project location float booms for containing any spills.

4. All vessels utilized under this permit shall be of such size and loaded in such a manner as to not impact the water bottoms over which they pass. If access route traverses a currently productive public oyster area, the Applicant shall secure approval of the access route from LDWF and shall ingress and egress to the project location only along the approved route. If deemed appropriate by LDWF Applicant shall establish and maintain, until the project is complete, along the access route appropriate access route markings for vessels traveling to and from the project location. These markings may be subject to applicable local, state, and federal navigation requirements. These markings shall be sufficient to be used during day and night operations as well as in any climatic and sea condition which may occur during permitted activities.

5. Applicant shall provide legal representation and indemnification to LDWF for any and all lawsuits and legal claims that may be filed or made against LDWF as a result of the activities by Applicant.

6. This permit specifically does not authorize prop washing, wheel washing, dredging, or jetting beyond what is shown in the application and drawings. Any changes or variances in the location, access route, volume of material moved and/or magnitude of the area of impact shall require formal application to, and prior written authorization from, the Department of Natural Resources (DNR). The decision by DNR whether to authorize those changes will require consultation by DNR with LDWF in strict adherence to all applicable provisions of the February 3, 2005 Memorandum of Agreement between those two agencies.

7. At the discretion of the Secretary or Assistant Secretary of the Louisiana Department of Wildlife and Fisheries, any activities may be suspended until more favorable conditions prevail.

8. Applicant shall provide a letter of completion or as-built drawings of the completed project to the Department no later than 30 days following completion of the permitted activity.

9. A post-project bottom contour and side-scan survey may be required, covering the permitted project area or any other area outside the project footprint suspected of being directly impacted by permitted activities. The results of these surveys will be made available to the Department within 14 days of completion.

10. At the discretion of LDWF, the Applicant may be required to return all or part of water bottoms to pre-project conditions. Applicant shall remove or spread any dredged material which is greater than 0.5 feet above original water bottom contours unless otherwise specified in the coastal use permit.

The Louisiana Department of Wildlife and Fisheries appreciates the opportunity to review and provide recommendations to you regarding this proposed activity. Please do not hesitate to contact LDWF Permits Coordinator Dave Butler at 225-763-3595 should you need further assistance.

United States Department of the Interior

FISH AND WILDLIFE SERVICE
Louisiana Ecological Services Field Office
200 Dulles Drive
Lafayette, LA 70506
Phone: (337) 291-3100 Fax: (337) 291-3139

IPaC Record Locator: 815-107179835 November 04, 2021

Subject: Consistency letter for the project named 'Entergy - Barataria to Golden Meadow Transmission Line Rebuild Project' for specified threatened and endangered species that may occur in your proposed project location pursuant to the Louisiana Endangered Species Act project review and guidance for other federal trust resources determination key (Louisiana DKey).

Dear Victor Hernandez:

The U.S. Fish and Wildlife Service (Service) received on November 04, 2021 your effects determination(s) for the 'Entergy - Barataria to Golden Meadow Transmission Line Rebuild Project' (the Action) using the Louisiana DKey within the Information for Planning and Consultation (IPaC) system. The Service developed this system in accordance with the Endangered Species Act of 1973 (ESA) (87 Stat.884, as amended; 16 U.S.C. 1531 et seq.).

Based on your answers, and the assistance in the Service's Louisiana DKey, you made the following effect determination(s) for the proposed Action:

Species	**Determination**
Threatened Eastern Black Rail (*Laterallus jamaicensis spp. jamaicensis*	May Affect
Threatened West Indian Manatee (*Trichechus manatus*)	NLAA

Consultation with the Service is not complete.L Further consultation or coordination with the Louisiana Ecological Services Office is necessary for those species with a determination of "may affect" listed above. Please contact our office at 337-291-3100 or lafayette@fws.gov to discuss methods to avoid or minimize potential adverse effects to those species.

Please Note: If the Federal Action may impact bald or golden eagles, additional coordination with the Service under the Bald and Golden Eagle Protection Act (BGEPA) (54 Stat. 250, as amended, 16 U.S.C. 668a-d) may be required. Please contact Ulgonda Kirkpatrick (phone: 321/972-9089, e-mail: ulgonda_kirkpatrick@fws.gov) with any questions regarding potential impacts to bald or golden eagles.

This project has been reviewed for effects to Federal trust resources under our jurisdiction and currently protected by the Endangered Species Act of 1973 (Act.) The project, as proposed,

Is not Likely to adversely effect those resources

BRIGETTE FIRMIN Digitally signed by BRIGETTE FIRMIN
Date: 2021.12.13 13:55:45 -06'00'

Supervisor Date
Louisiana Ecological Services Office
U.S. Fish and Wildlife Service

Action Description
You provided to IPaC the following name and description for the subject Action.

1. Name

Entergy - Barataria to Golden Meadow Transmission Line Rebuild Project

2. Description

The following description was provided for the project 'Entergy - Barataria to Golden Meadow Transmission Line Rebuild Project':

> Entergy proposes to demolish and rebuild approximately 2.57 miles of the Barataria - Golden Meadow 115kV transmission line within the existing right-of-way ranging from 100 ft. to 175 ft. wide inside the Jean Lafitte National Park. Start date is June 2022

Approximate location of the project can be viewed in Google Maps: https://www.google.com/maps/@29.75525725,-90.14227945786259,14z

Qualification Interview

1. Is the action authorized, funded, or being carried out by a Federal agency?

   Yes

2. Is the action authorized, funded, or being carried out by the:

   a. U.S Army Corps of Engineers

3. Please identify your agency or organization type:

   c. Other

4. Are you with the U.S. Army Corps of Engineers Regulatory Division?

   No

5. Are you with the U.S. Army Corps of Engineers Planning Division?

   No

6. [Hidden Semantic] Does the project intersect the eastern black rail AOI?

   Automatically answered
   Yes

7. Does the action consist of either fire management, grazing, haying, mowing and/or other mechanical treatment activities?

   No

8. Will the proposed project involve human disturbance or ground disturbance (such as foot traffic, vehicles, tracked equipment, excavating, grading, placing fill material, etc.)?

   Yes

9. Will the project result in changes to wetland hydrology (i.e. via new construction or change in existing operation of water control structures, waterbody diversion, major water withdrawals, levee construction, etc.)?

   No

10. Will the project directly impact suitable eastern black rail nesting habitat (shallow inundated wetlands containing mesic to hydric soils with dense herbaceous plant cover) or foraging habitat (wetland-upland transition zones with dense cover and 1-3 cm deep pools) and/or roosting habitat (elevated wetlands that allow for refugia from high water events and nest to be elevated above water level)?

    Yes

11. [Hidden Semantic] Does the project intersect the west indian manatee AOI?

    Automatically answered
    Yes

12. (Semantic) Is the project located within the manatee consultation zone, excluding the Mississippi River?

    Automatically answered
    Yes

13. Is the project footprint entirely on land?

    No

14. Is the water depth within the project greater than 2 feet (at mean high tide)?

    Yes

15. Will the project occur during the months of June through November?

    Yes

16. Will the following Standard Manatee Conditions for in-Water Activities be included within the project design?

    Yes

17. [Semantic] Does the project intersect the Northern Long-eared bat AOI?

    Automatically answered
    No

18. (Semantic) Does the project intersect the Louisiana black bear Range?

    Automatically answered
    No

Sincerely,

/s/ *Dave Butler* for
Kyle F. Balkum
Biologist Director

cd/cm/cm

APPENDIX 8
CULTURAL RESOURCES

ASSESSMENT OF ACTIONS HAVING AN EFFECT ON HISTORIC PROPERTIES

A. DESCRIPTION OF UNDERTAKING

1. Park: Jean Lafitte National Historical Park and Preserve

2. Project Description:

Project Name: Entergy Golden Meadows-Barataria Electrical Transmission Line Rebuild
Prepared by: Jolene Williams **Date Prepared:** 02/25/2022 **Telephone:** 228-323-3176
PEPC Project Number: 105359
Locations:
County, State: Jefferson Parish, LA
Describe project:
Jean Lafitte National Historical Park and Preserve proposes to issue a Construction Special Use Permit (SUP) to authorize Entergy Louisiana, LLC (Entergy) to demolish and rebuild 28 existing timber and steel support structures of 2.63 miles of the 115kV Barataria-Golden Meadow transmission line within an existing right of way within the NPS property boundary of Barataria Preserve of JELA. These structures are part of the larger Barataria - Golden Meadows transmission line, which due to considerable damage that occurred during Hurricane Zeta in 2020 and Hurricane Ida in 2021, Entergy has determined that the existing structures must be demolished and rebuilt. New structures would be installed in the same general locations as the existing ones. Conventional construction methods would be utilized for installation of new structures and require tracked amphibious marsh equipment travel to each structure. Helicopters would be used for material transfer to minimize the number of ground-based equipment passes necessary. Twenty-six (26) monopole structures would have baseplated vibratory caisson foundations which would require no additional excavation and occupy a small surface area in comparison to the current structures located within the right-of-way. Two (2) Pyramax structures would be replaced within the footprints of the existing concrete pads situated at the Bayou Segnette crossing.

Potentially affected park resources evaluated during this assessment consist of Cultural Resources, Aesthetics and Visitor Experience, Soils and Geology, Water Resources, Floodplains, Soundscapes, Air Quality, Waterways and Scenic Streams, Wildlife and Protected Species, Hazardous Materials, Viewscapes, and Coastal Zone and Wetlands.

Alternative A (Proposed Action / Preferred Alternative): NPS would issue Entergy a SUP to demolish and rebuild approximately 2.63 miles of the Golden Meadow-Barataria 115kV line within the existing right-of-way ranging from 100 ft. to 175 ft. wide inside the JELA utilizing structures that meet 230kV specifications and are rated for 150 mph winds.

New monopole structures would be installed directly adjacent to existing ones to be removed, and would also eliminate the need for guy wires and reduce the overall footprint of the line and its supports. Twenty-six (26) monopole structures would have baseplated vibratory caisson foundations which require no additional excavation and occupy a small surface area in comparison to the current structures located within the right-of-way.

Two (2) Pyramax structures would be replaced within the footprints of the existing concrete pads situated at the Bayou Segnette crossing. The proposed self-supported, single-pole and larger Pyramax structures would extend

vertically approximately 85 ft. and 250 ft. above the marsh respectively.

Where access routes traverse vegetated wetlands, marsh buggy/tracked equipment would attempt to achieve ingress and egress by remaining within the footprint of one equipment width track throughout the duration of the project.

Due to the new structures being designed to withstand higher wind loads and being more resilient in the coastal environment than timber structures currently in place, this alternative would reduce the maintenance requirements which in turn would minimize the periodic impacts to sensitive wetland areas resulting from Entergy accessing the structures.

This alternative would involve the installation of new structures having baseplated vibratory caisson foundations which would result in a small surface area impact with no excavation required. Installation activities for each pole would consist of the vibratory-pile foundation installed to a depth of approximately 36 ft. below ground surface. The baseplate pole would be bolted directly onto the caisson once it is vibrated in place.

Attached is a general schematic of the existing H-frame and self-supported monopole structures.

Pre-Application Meeting July 2021
Pre-NEPA Kickoff Meeting Oct 26, 2021

Cy Toupes TBaker Smith
Michael Trahan TBaker Smith
Keith Prieur Entergy

Area of potential effects (as defined in 36 CFR 800.16[d])
100 ft wide right of way and 175 ft wide right of way, Jones Point area of Barataria Preserve. Please see draft SHPO letter.

3. Has the area of potential effects been surveyed to identify historic properties?

___ **No**

X **Yes**

Source or reference: Report - Phase 1b: Bezemek, E., NPS Southeast Archeological Center, 2021. SEAC- 03134 / SRC-00246. PHASE IB INVESTIGATIONS OF UNDERWATER GEOPHYSICAL ANOMALIES IDENTIFIED BY SEARCH, INC., IN ANTICIPATION OF THE CONSTRUCTION OF BREAKWATERS ALONG THE SHORELINES OF LAKES SALVADOR AND CATAOUATCHE WITHIN THE BARATARIA PRESERVE OF JEAN LAFITTE NATIONAL HISTORICAL PARK AND PRESERVE, JEFFERSON PARISH, LOUISIANA, MARCH 1-11, 2021

4. Potentially Affected Resource(s):

Archeological Resources Present: Yes

Archeological Resources Notes: Jones Point (JELA-80/16JE80) - see attached updated site record

Historical Structures/Resources Present: No

Cultural Landscapes Present: Yes

Ethnographic Resources Present: Yes

5. The proposed action will: (check as many as apply)

No Destroy, remove, or alter features/elements from a historic structure

No Replace historic features/elements in kind

No Add non-historic features/elements to a historic structure

No Alter or remove features/elements of a historic setting or environment (inc. terrain)

Yes Add non-historic features/elements (inc. visual, audible, or atmospheric) to a historic setting or cultural landscape

No Disturb, destroy, or make archeological resources inaccessible

No Disturb, destroy, or make ethnographic resources inaccessible>

Yes Potentially affect presently unidentified cultural resources

No Begin or contribute to deterioration of historic features, terrain, setting, landscape elements, or archeological or ethnographic resources

Yes Involve a real property transaction (exchange, sale, or lease of land or structures)

___ Other (please specify): _____

6. Supporting Study Data:
(Attach if feasible; if action is in a plan, EA or EIS, give name and project or page number.)

B. REVIEWS BY CULTURAL RESOURCE SPECIALISTS

The park 106 coordinator requested review by the park's cultural resource specialist/advisors as indicated by check-off boxes or as follows:

[X] Archeologist
Name: Meredith Hardy
Date: 03/11/2022
Comments: APE has been visited by SOI archeologists. Area of disturbance is at the location of existing transmission structures, with replacements using existing concrete pads.

Check if project does not involve ground disturbance **[ ]**
Assessment of Effect: __No Potential to Cause Effect __No Historic Properties Affected __X__No Adverse Effect __Adverse Effect __Streamlined Review
Recommendations for conditions or stipulations:

Doc Method: Standard 4-Step Process

[X] Historian
Name: William Hunter
Date: 03/11/2022
Comments: Proposal to permit utility to conduct a replacement of elements of a transmission system within an existing corridor would affect but have no adverse effect on the historic district and cultural landscape.

Check if project does not involve ground disturbance **[ ]**
Assessment of Effect: __No Potential to Cause Effect __No Historic Properties Affected __X__No Adverse Effect __Adverse Effect __Streamlined Review
Recommendations for conditions or stipulations: Include consideration of the effects to the landscape in the coordination letter with the SHPO.

Doc Method: Standard 4-Step Process

[X] Historical Landscape Architect
Name: David Hasty
Date: 03/08/2022
Comments: The APE for this project is within the National Register boundary for Barataria, and thus within the boundary for the cultural landscape. Barataria has no CLI but a CLR is underway. Most poles would change from about 50' in height to 85' (per email to park). While this is a notable increase in height, these poles are in an area of the park where it would not represent a significant change in setting on the primary cultural landscape features of the district. This project should have no adverse effect on the cultural landscape.

Check if project does not involve ground disturbance **[ ]**
Assessment of Effect: __No Potential to Cause Effect __No Historic Properties Affected __X__No Adverse Effect __Adverse Effect __Streamlined Review
Recommendations for conditions or stipulations:

Doc Method: Standard 4-Step Process

[X] Regiona 106 Coordinator
Name: Stephen Rogers
Date: 03/11/2022

Check if project does not involve ground disturbance **[ ]**
Assessment of Effect: __No Potential to Cause Effect __No Historic Properties Affected __X__No Adverse Effect __Adverse Effect __Streamlined Review
Recommendations for conditions or stipulations:

Doc Method: Standard 4-Step Process

No Reviews From: Curator, Historical Architect, 106 Advisor, Anthropologist

---

C. PARK SECTION 106 COORDINATOR'S REVIEW AND RECOMMENDATIONS

1. Assessment of Effect:

_____	No Potential to Cause Effects
_____	No Historic Properties Affected
X	No Adverse Effect
_____	Adverse Effect

2. Documentation Method:

[X] A. Standard 36 CFR Part 800 Consultation
Further consultation under 36 CFR Part 800 is needed.

[ ] B. Streamlined Review Under the 2008 Servicewide Programmatic Agreement (PA)
The above action meets all conditions for a streamlined review under section III of the 2008 Servicewide PA for Section 106 compliance.

Applicable Streamlined Review Criteria
(Specify 1-16 of the list of streamlined review criteria.)

[ ] C. Undertaking Related to Park Specific or Another Agreement
The proposed undertaking is covered for Section 106 purposes under another document such as a park, region or statewide agreement established in accord with 36 CFR 800.7 or 36 CFR 800.14.

[ ] D. Combined NEPA/NHPA Process
Process and documentation required for the preparation of an EA/FONSI or an EIS/ROD to comply with Section 106 is in accord with 36 CFR 800.8.c.

[ ] E. Memo to Project File

3. Consultation Information

SHPO Required: Yes
SHPO Sent:
SHPO Received:

THPO Required: Yes
THPO Sent:
THPO Received:

SHPO/THPO Notes:

Advisory Council Participating: No
Advisory Council Notes:
Additional Consulting Parties: No

4. Stipulations and Conditions: Following are listed any stipulations or conditions necessary to ensure that the assessment of effect above is consistent with 36 CFR Part 800 criteria of effect or to avoid or reduce potential adverse effects.

5. Mitigations/Treatment Measures: Measures to prevent or minimize loss or impairment of historic/prehistoric properties: (Remember that setting, location, and use may be relevant.)

No Assessment of Effect mitigations identified.

6. Assessment of Effect Notes:

D. RECOMMENDED BY PARK SECTION 106 COORDINATOR:

Compliance Specialist:
NHPA Specialist
Guy Hughes _____ **Date:** _____

E. SUPERINTENDENT'S APPROVAL

The proposed work conforms to the NPS *Management Policies* and *Cultural Resource Management Guideline*, and I have reviewed and approve the recommendations, stipulations, or conditions noted in Section C of this form.

Signature

Superintendent: _____ **Date:** _____

Rebecca Lasell

United States Department of the Interior

NATIONAL PARK SERVICE
Jean Lafitte National Historical Park and Preserve
New Orleans Jazz National Historical Park
419 Decatur Street
New Orleans, Louisiana 70130-1035

IN REPLY REFER TO:

1.A.2

Kristin Sanders
Deputy Assistant Secretary/Attorney
Louisiana Office of Cultural Development
P.O. Box 44247
Baton Rouge, LA 70804-4241

Re: UPDATE: Entergy Louisiana LLC Golden Meadow to Barataria 115 kV Electrical Transmission Line Replacement of Existing Structures, within the Barataria Preserve of the Jean Lafitte National Historical Park and Preserve, National Park Service

Dear Kristin Sanders:

The National Park Service (NPS), in compliance with Section 106 of the National Historic Preservation Act of 1966 (NHPA), as amended (54 U.S.C. 306108) and its implementing regulations (36 CFR Part 800), is requesting concurrence for this project within the Barataria Preserve of the Jean Lafitte National Historical Park and Preserve (JELA; park), National Park Service (NPS). NPS proposes to issue a Construction Special Use Permit (SUP) to authorize Entergy Louisiana, LLC (Entergy) to demolish and rebuild 29 existing electrical transmission structures for 2.63 miles of the 115kV Barataria-Golden Meadow transmission line within an existing right of way (ROW) within the NPS property boundary of the Barataria Preserve of JELA (see Map 1).

Only one cultural resource site is within the project area. Site 16JE80 is located on Jones Point on the west bank of the Bayou Segnette Waterway. The site was heavily disturbed prior to NPS ownership and the National Historic Preservation Act laws, first by dredging activity in the 1950s, later by the construction of the high voltage transmission tower in the mid-1960s, and finally with erosion. This prehistoric site was determined to be ineligible for listing on the National Register of Historic Places with concurrence by the State Historic Preservation Office in a letter dated December 28, 2021 (Enclosure 5).

This letter continues the ongoing consultation on the Golden Meadow to Barataria 115 kV Electrical Transmission Line at JELA. Previous communications from NPS occurred on May 21, 2021, March 21, 2022, and May 25, 2022. Entergy received concurrence January 9, 2022, via the OCM SONRIS. Entergy has changed their methods for demolition for two structures (287 and 288) and proposes an alternative location for replacement of one of the structures (287) currently situated within the boundaries of archaeological site 16JE80. NPS requests concurrence for the project with changes in the undertaking.

CHANGE OF UNDERTAKING: The two (2) existing lattice structures (287 & 288 – see Figure 1) would be still be removed, but instead of use of a helicopter to dismantle the towers, the method of removal would be using a combination of explosives and ground-based equipment. A blasting contractor would first weaken each structure by cutting notches near the bases of the four (4) steel legs. Two (2) of the legs would then be wrapped in shaped explosive charges. Charges would be simultaneously triggered, and the two legs of the structure with the charges would sever, forcing that side of the structure upward.

The two (2) opposite legs would hinge at the notches, allowing the tower to rotate over and drop towards within the existing ROW. Once these structures would be safely lowered to ground level, hydraulic sheers would be utilized to dismantle the tower before being hauled to nearby barges using marsh equipment. Structures would be dismantled and transported to nearby barges with marsh equipment.

The below-grade portions of the structures consisting of foundation pilings and guy wire anchors would also be removed; however, if reasonably non-invasive construction methods are unsuccessful in removing these foundation pilings or guy wire anchors, then the foundation pilings would either be cut off or driven down to 3 feet below grade and the guy anchors would be cut off 3 feet below grade. However, the foundation pillars associated with Structure 287 would remain in place to ensure that no additional ground disturbance would occur within archeological site 16JE80.

The two lattice structures replacement is proposed with larger Pyramax structures, and the location of Structure 287 would be moved off of site 16JE80, southwest into open water and outside of park boundaries. This change of would offset potential impacts to 16JE80 caused by installation of a new structure adjacent to the existing foundation of 287 that would be abandoned in place. The Pyramax structures would extend vertically approximately 250 feet above the ground. Each new Pyramax structure would be installed on four (4) base plated vibratory caisson foundations which would result in a small surface area impact with no excavation or fill required. Each new structure would have a total surface impact of +/- 0.004 acres (each caisson having a 7 foot diameter) and the vibratory caisson foundations would be installed to a depth of approximately 74 feet below ground surface.

Because the new electrical transmission structures would be installed in the same general locations as the existing ones, except for Structure 287 which would be relocated, and because archeological site 16JE80 was determined to be ineligible for listing on the National Register of Historic Places with concurrence by the State Historic Preservation Office in a letter dated December 28, 2021, we believe that the proposed undertaking would not adversely affect cultural resources and that the proposed construction with changes will have "*No Adverse Effect*" on historic properties eligible to the National Register.

We look forward to hearing from you within 30 days. If you have any questions, please contact Guy Hughes, Chief, Resource Management, guy_hughes@nps.gov, 504-512-2558, or myself at 504-589-3882 ext. 108. Thank you.

Sincerely,

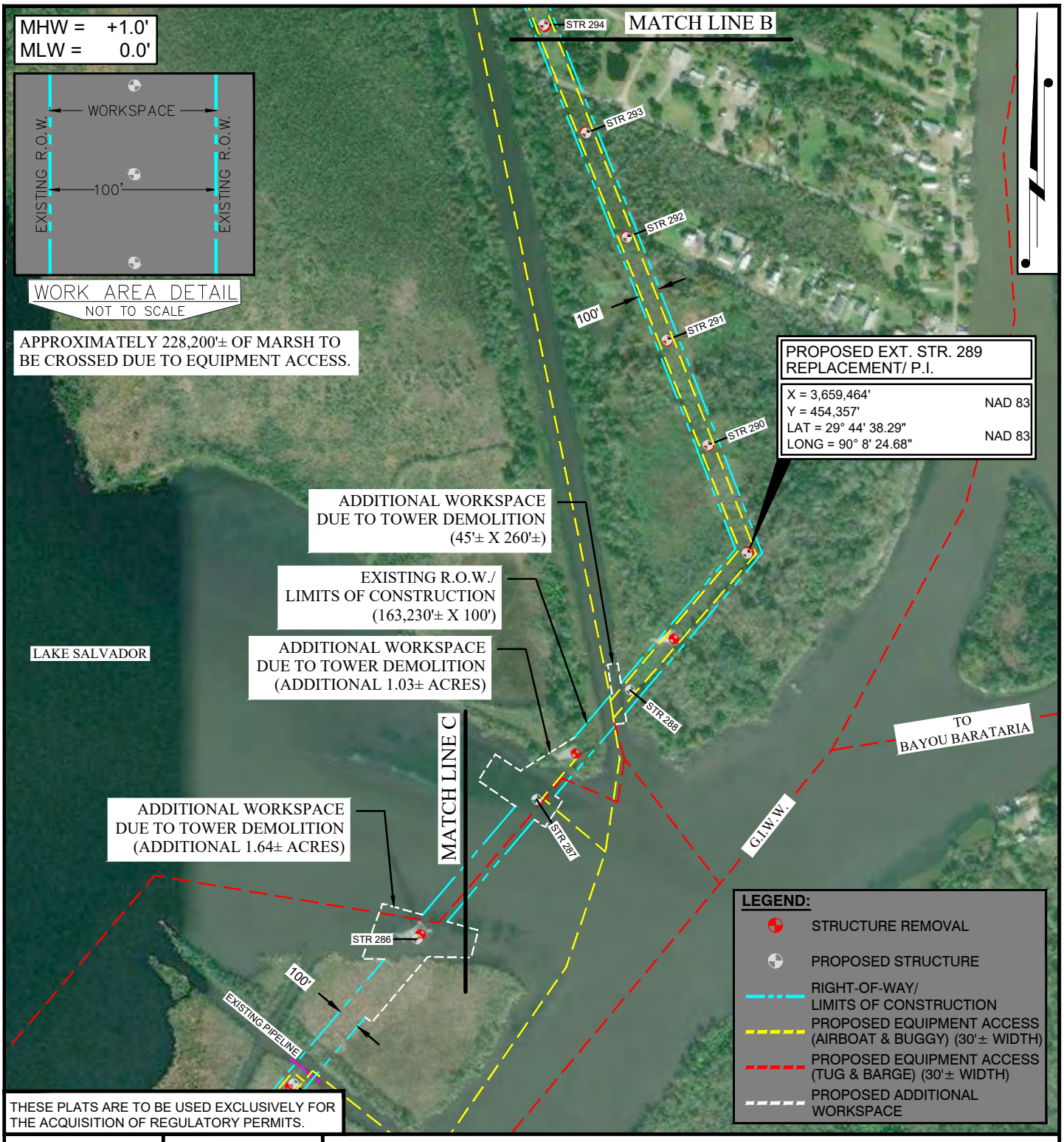
Rebecca Lasell
Acting Superintendent

The proposed undertaking will have no adverse effect on historic properties. Therefore, our office has no objection to the implementation of this project. This effect determination could change should new information come to our attention.

Kristin P. Sanders
State Historic Preservation Officer

Date 11/3/2022

Figure 1. View of existing powerline structures and the Jones Point site (JELA-80/16JE80) from Bayou Villars in the Gulf Intracoastal Waterway (GIWW).



THESE PLATS ARE TO BE USED EXCLUSIVELY FOR THE ACQUISITION OF REGULATORY PERMITS.

DRAWN BY:	SPM	APPROVED BY:	MDT
DATE:	07/06/2021	JOB NO:	2021.0252
DRAWING NAME:	210252P- 3_REV.DWG		
SHEET NO:	5	OF	41

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

SCALE: 1" = 600'

600' 300' 0' 600'

PLAN VIEW

ENTERGY LOUISIANA, LLC

PROPOSED REMOVAL/REPLACEMENT OF EXISTING STRUCTURES ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE
LAFOURCHE & JEFFERSON PARISHES, LOUISIANA

T. BAKER SMITH
A CENTURY OF SOLUTIONS
412 South Van Ave, Houma, LA 70363
(985)868-1666 - tbsmith.com

REV. NO:	REV. DATE:	REV. BY:
05	07/18/2022	SPM

REVISION DESCRIPTION:
ADDED TOWER DEMOLITION WORKSPACES.

8/30/2022 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 3_REV.DWG

BILLY NUNGESSER
LIEUTENANT GOVERNOR

State of Louisiana
OFFICE OF THE LIEUTENANT GOVERNOR
DEPARTMENT OF CULTURE, RECREATION & TOURISM
OFFICE OF CULTURAL DEVELOPMENT
DIVISION OF ARCHAEOLOGY

KRISTIN P. SANDERS
ASSISTANT SECRETARY

28 December 2021

Eric Bezemek
Archaeologist
Southeast Archaeological Center
2035 E. Pirac Drive
Johnson Building, Suite120
Tallahassee, FL 32310

Re: Draft Report
La Division of Archaeology Report No. 22-6673-1
PHASE IB INVESTIGATIONS OF UNDERWATER GEOPHYSICAL ANOMALIES IDENTIFIED BY SEARCH, INC., IN ANTICIPATION OF THE CONSTRUCTION OF BREAKWATERS ALONG THE SHORELINES OF LAKES SALVADOR AND CATAOUATCHE WITHIN THE BARATARIA PRESERVE OF JEAN LAFITTE NATIONAL HISTORICAL PARK AND PRESERVE, JEFFERSON PARISH, LOUISIANA, MARCH 1-11, 2021

Dear Eric:

We acknowledge receipt of your letter dated 23 November 2021 and one copy of the above-referenced report. We have reviewed the report and offer the following comments.

Thank you for addressing previous comments our office offered after reviewing the first draft. Based on the description of the Area of Potential Effect (APE), the proposed bottom-disturbing activities, and the identification of historic properties within the APE, our office concurs with the assessment that no properties listed in or eligible for listing in the National Register of Historic Places will be adversely affected by Phase One portion of the project. We further concur that the portions of sites 16JE46, 16JE80, 16JE82, 16JE83, 16JE133, 16JE135, and 16JE189 within the APE are not eligible for listing on the National Register of Historic Places. We also concur that site 16JE238 is undetermined with respect to its eligibility for nomination to the National Register. Please note that the site number in the Abstract is incorrect (it says 16JE299, not 16JE238).

Our office will need to review the redesign of Phase Two of the project in order to assess potential impacts to site 16JE238 and provide an effect determination.

Consultation with the State Historic Preservation Office does not constitute consultation with Tribal Historic Preservation Offices, other Native American tribes, local governments, or the public. If archaeological materials are encountered during construction, the procedures codified at 36 CFR 800.13(b) will apply. Archaeological materials consist of any items, fifty years old or older, which were made or used by man. These items include but are not limited to, stone projectile points (arrowheads), ceramic sherds, bricks, worked wood, bone and stone, metal, and glass objects. The federal agency or the applicant receiving federal assistance should contact our office immediately. If human remains are encountered, the provisions of the Louisiana Unmarked Human Burial Sites Preservation Act (Revised Statute 8:671-681) should be followed.

We look forward to receiving a revised pdf and hardcopy of the report. If you have any questions, please contact Chip McGimsey at cmcgimsey@crt.la.gov or Abigail Bleichner at ableichner@crt.la.gov.

Sincerely,

Kristin P. Sanders

Kristin P Sanders
State Historic Preservation Officer

RE: [EXTERNAL] RE: Golden Meadow to Barataria Transmission Line within the Jean Lafitte National Historical Park and Preserve

Chip McGimsey <cmcgimsey@crt.la.gov>

Thu 6/9/2022 7:57 AM

To: Williams, Jolene <Jolene_Williams@nps.gov>

Jolene,

That is correct. The letter of January 2022 is our office's formal determination.

Chip McGimsey
State Archaeologist
Division of Archaeology
225-219-4598
cmcgimsey@crt.la.gov

From: Williams, Jolene [mailto:Jolene_Williams@nps.gov]
Sent: Thursday, June 9, 2022 7:47 AM
To: Chip McGimsey <cmcgimsey@crt.la.gov>
Cc: Hardy, Meredith D <Meredith_Hardy@nps.gov>; Hughes, Guy D <Guy_Hughes@nps.gov>
Subject: Re: [EXTERNAL] RE: Golden Meadow to Barataria Transmission Line within the Jean Lafitte National Historical Park and Preserve

EXTERNAL EMAIL Please do not click on links or attachments unless you know the content is safe.

Hi Chip,

Thank you for meeting with us and Entergy about this undertaking on May 25, 2022. Did I understand correctly that the January 2022 concurrence of no historic properties affected superseded the April 2022 letter recommending a Phase 1 survey? Please confirm.

Sincerely,

Jolene Williams
Environmental Protection Specialist
Jean Lafitte National Historical Park and Preserve (JELA)
New Orleans Jazz National Historical Park
email: Jolene_Williams@nps.gov
Cell: 504-382-4937

From: Chip McGimsey <cmcgimsey@crt.la.gov>
Sent: Monday, May 23, 2022 3:48 PM
To: 'Wes Mattox' <CWMattox@swca.com>; nmorris <nmorris@crt.la.gov>
Cc: ddurons (ddurons@entergy.com) <ddurons@entergy.com>; Williams, Jolene <Jolene_Williams@nps.gov>; Hardy, Meredith D <Meredith_Hardy@nps.gov>; Cy Toups, P.E. <cy.toups@tbsmith.com>
Subject: [EXTERNAL] RE: Golden Meadow to Barataria Transmission Line within the Jean Lafitte National Historical Park and Preserve

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Wes,

I am available anytime that day. I note that the NPS folks are included; our office defers to them for appropriate survey strategies on Park Service lands. Let me know what works for everyone.

Chip McGimsey
State Archaeologist
Division of Archaeology
225-219-4598
cmcgimsey@crt.la.gov

From: Wes Mattox [mailto:CWMattox@swca.com]
Sent: Monday, May 23, 2022 3:46 PM
To: Chip McGimsey <cmcgimsey@crt.la.gov>; Nicole Hobson-Morris <nmorris@crt.la.gov>
Cc: ddurons (ddurons@entergy.com) <ddurons@entergy.com>; Jolene_Williams@nps.gov; Meredith_hardy@NPS.gov; Cy Toups, P.E. <Cy.Toups@tbsmith.com>
Subject: Golden Meadow to Barataria Transmission Line within the Jean Lafitte National Historical Park and Preserve

EXTERNAL EMAIL Please do not click on links or attachments unless you know the content is safe.

Chip and Nicole,

Entergy Louisiana, LLC, is currently engaged in the permitting process to rebuild the Golden Meadow to Barataria transmission line. The project runs from the Barataria Substation, located in Jean Lafitte, Louisiana, to the Golden Meadow Substation, located in Golden Meadow, Louisiana. Entergy Louisiana, LLC will remove the original 31-mile-long 115kV transmission line, located mostly in marsh and open water, and rebuild the project. In general, new structures will be installed in the same general location as the existing structures.

As portions of the project cross the Jean Lafitte National Historical Park and Preserve, the National Park Service reached out to the Louisiana SHPO on March 21, 2022 to consult regarding impacts to cultural resources within the Park. On April 22, 2022, the Louisiana SHPO recommended a Phase I cultural resources survey of the terrestrial portions of the project area. Entergy Louisiana, LLC has contracted SWCA to provide phase I cultural resources survey services.

Moving forward, Entergy and SWCA would like to meet to discuss the recommendations for a Phase I cultural resources survey, as well as the currently proposed survey plan within the Jean Lafitte National Historical Park and Preserve. As we are trying to move quickly with the Archaeological Resources Protection Act permitting and survey, we are hoping to meet soon. Would you or someone from your office be available on Wednesday, May 25, to meet? We are free that day for all times except 10a-12p.

Thank you for your time and continued support in the consultation for this project.

C. Wesley Mattox, M.A., RPA
Cultural Resources Team Lead

SWCA Environmental Consultants – Baton Rouge
1651 Lobdell Avenue, Building A
Baton Rouge, LA 70806
P 225.320.5813 | C 770.653.6537
cwmattox@swca.com

The contents of this email and any associated emails, information, and attachments are CONFIDENTIAL. Use or disclosure without sender's authorization is prohibited. If you are not an authorized recipient, please notify the sender and then immediately delete the email and any attachments.

Re: [EXTERNAL] RE: Golden Meadow to Barataria Transmission Line within the Jean Lafitte National Historical Park and Preserve

Williams, Jolene <Jolene_Williams@nps.gov>

Thu 6/9/2022 7:43 AM

To: Chip McGimsey <cmcgimsey@crt.la.gov>

Cc: Hardy, Meredith D <Meredith_Hardy@nps.gov>;Hughes, Guy D <Guy_Hughes@nps.gov>

3 attachments (8 MB)

Email from SHPO Golden Meadow to Barataria Trans P20210693 1-09-2022.pdf; Letter from SHPO NPS GOLDEN MEADOW TRANS SHPO LTR4-22-2022.pdf; Letter to SHPO_EntergyGoldenMeadow.zip;

Hi Chip,

Thank you for meeting with us and Entergy about this undertaking on May 25, 2022. Did I understand correctly that the January 2022 concurrence of no historic properties affected superseded the April 2022 letter recommending a Phase 1 survey? Please confirm.

Sincerely,

Jolene Williams
Environmental Protection Specialist
Jean Lafitte National Historical Park and Preserve (JELA)
New Orleans Jazz National Historical Park
email: Jolene_Williams@nps.gov
Cell: 504-382-4937

From: Chip McGimsey <cmcgimsey@crt.la.gov>
Sent: Monday, May 23, 2022 3:48 PM
To: 'Wes Mattox' <CWMattox@swca.com>; nmorris <nmorris@crt.la.gov>
Cc: ddurons (ddurons@entergy.com) <ddurons@entergy.com>; Williams, Jolene <Jolene_Williams@nps.gov>; Hardy, Meredith D <Meredith_Hardy@nps.gov>; Cy Toups, P.E. <cy.toups@tbsmith.com>
Subject: [EXTERNAL] RE: Golden Meadow to Barataria Transmission Line within the Jean Lafitte National Historical Park and Preserve

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Wes,

I am available anytime that day. I note that the NPS folks are included; our office defers to them for appropriate survey strategies on Park Service lands. Let me know what works for everyone.

Chip McGimsey
State Archaeologist
Division of Archaeology
225-219-4598
cmcgimsey@crt.la.gov

From: Wes Mattox [mailto:CWMattox@swca.com]
Sent: Monday, May 23, 2022 3:46 PM
To: Chip McGimsey <cmcgimsey@crt.la.gov>; Nicole Hobson-Morris <nmorris@crt.la.gov>
Cc: ddurons (ddurons@entergy.com) <ddurons@entergy.com>; Jolene_Williams@nps.gov; Meredith_hardy@NPS.gov; Cy Toups, P.E. <Cy.Toups@tbsmith.com>
Subject: Golden Meadow to Barataria Transmission Line within the Jean Lafitte National Historical Park and Preserve

EXTERNAL EMAIL Please do not click on links or attachments unless you know the content is safe.

Chip and Nicole,

Entergy Louisiana, LLC, is currently engaged in the permitting process to rebuild the Golden Meadow to Barataria transmission line. The project runs from the Barataria Substation, located in Jean Lafitte, Louisiana, to the Golden Meadow Substation, located in Golden Meadow, Louisiana. Entergy Louisiana, LLC will remove the original 31-mile-long 115kV transmission line, located mostly in marsh and open water, and rebuild the project. In general, new structures will be installed in the same general location as the existing structures.

As portions of the project cross the Jean Lafitte National Historical Park and Preserve, the National Park Service reached out to the Louisiana SHPO on March 21, 2022 to consult regarding impacts to cultural resources within the Park. On April 22, 2022, the Louisiana SHPO recommended a Phase I cultural resources survey of the terrestrial portions of the project area. Entergy Louisiana, LLC has contracted SWCA to provide phase I cultural resources survey services.

Moving forward, Entergy and SWCA would like to meet to discuss the recommendations for a Phase I cultural resources survey, as well as the currently proposed survey plan within the Jean Lafitte National Historical Park and Preserve. As we are trying to move quickly with the Archaeological Resources Protection Act permitting and survey, we are hoping to meet soon. Would you or someone from your office be available on Wednesday, May 25, to meet? We are free that day for all times except 10a-12p.

Thank you for your time and continued support in the consultation for this project.

C. Wesley Mattox, M.A., RPA
Cultural Resources Team Lead

SWCA Environmental Consultants – Baton Rouge
1651 Lobdell Avenue, Building A

Baton Rouge, LA 70806
P 225.320.5813 | C 770.653.6537
cwmattox@swca.com

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[EXTERNAL] RE: Golden Meadow to Barataria Transmission Line within the Jean Lafitte National Historical Park and Preserve

Chip McGimsey <cmcgimsey@crt.la.gov>

Mon 5/23/2022 3:49 PM

To: 'Wes Mattox' <CWMattox@swca.com>;nmorris <nmorris@crt.la.gov>

Cc: ddurons (ddurons@entergy.com) <ddurons@entergy.com>;Williams, Jolene <Jolene_Williams@nps.gov>;Hardy, Meredith D <Meredith_Hardy@nps.gov>;Cy Toups, P.E. <cy.toups@tbsmith.com>

This email has been received from outside of DOI - Use caution before clicking on links, opening attachments, or responding.

Wes,

I am available anytime that day. I note that the NPS folks are included; our office defers to them for appropriate survey strategies on Park Service lands. Let me know what works for everyone.

Chip McGimsey
State Archaeologist
Division of Archaeology
225-219-4598
cmcgimsey@crt.la.gov

From: Wes Mattox [mailto:CWMattox@swca.com]
Sent: Monday, May 23, 2022 3:46 PM
To: Chip McGimsey <cmcgimsey@crt.la.gov>; Nicole Hobson-Morris <nmorris@crt.la.gov>
Cc: ddurons (ddurons@entergy.com) <ddurons@entergy.com>; Jolene_Williams@nps.gov; Meredith_hardy@NPS.gov; Cy Toups, P.E. <Cy.Toups@tbsmith.com>
Subject: Golden Meadow to Barataria Transmission Line within the Jean Lafitte National Historical Park and Preserve

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C. Wesley Mattox, M.A., RPA
Cultural Resources Team Lead

SWCA Environmental Consultants – Baton Rouge
1651 Lobdell Avenue, Building A
Baton Rouge, LA 70806
P 225.320.5813 | C 770.653.6537
cwmattox@swca.com

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[EXTERNAL] Golden Meadow to Barataria Transmission Line within the Jean Lafitte National Historical Park and Preserve

Wes Mattox <CWMattox@swca.com>

Mon 5/23/2022 3:46 PM

To: Chip McGimsey <cmcgimsey@crt.la.gov>;nmorris <nmorris@crt.la.gov>

Cc: ddurons (ddurons@entergy.com) <ddurons@entergy.com>;Williams, Jolene <Jolene_Williams@nps.gov>;Hardy, Meredith D <Meredith_Hardy@nps.gov>;Cy Toups, P.E. <cy.toups@tbsmith.com>

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As portions of the project cross the Jean Lafitte National Historical Park and Preserve, the National Park Service reached out to the Louisiana SHPO on March 21, 2022 to consult regarding impacts to cultural resources within the Park. On April 22, 2022, the Louisiana SHPO recommended a Phase I cultural resources survey of the terrestrial portions of the project area. Entergy Louisiana, LLC has contracted SWCA to provide phase I cultural resources survey services.

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C. Wesley Mattox, M.A., RPA
Cultural Resources Team Lead

SWCA Environmental Consultants – Baton Rouge
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Baton Rouge, LA 70806
P 225.320.5813 | C 770.653.6537
cwmattox@swca.com

SWCA | 100% Employee OWNED

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BILLY NUNGESSER
LIEUTENANT GOVERNOR

State of Louisiana
OFFICE OF THE LIEUTENANT GOVERNOR
DEPARTMENT OF CULTURE, RECREATION & TOURISM
OFFICE OF CULTURAL DEVELOPMENT
DIVISION OF ARCHAEOLOGY

KRISTIN P. SANDERS
ASSISTANT SECRETARY

April 22, 2022

NATIONAL PARK SERVICE
Jean Lafitte National Historical Park and Preserve
New Orleans Jazz National Historical Park
419 Decatur Street
New Orleans, Louisiana 70130-1035
Attn: Rebecca Lasell

Re: Ongoing consultation - Entergy Louisiana LLC Golden Meadow to Barataria 115 k Electrical Transmission Line Replacement of Existing Structures

Dear Rebecca Lasell,

This is in response to your submittal received by our office on March 22, 2022 regarding the above-referenced project. We reviewed the project and offer the following response.

The proposed project is located within a portion of the state that is considered high probability for encountering archaeological sites. There are a number of previously recorded archaeological sites around the proposed project area.

Given the archaeological sensitivity of the project location, the proposed ground disturbance, and lack of previous Phase I cultural resources survey, it is the opinion of the State Historic Preservation Office that projects could impact unrecorded archaeological resources. Therefore, we are recommending a Phase I cultural resources survey of the terrestrial portion of the project area. A copy of our contracting archaeologist list can be found on our website at:

https://www.crt.state.la.us/cultural-development/archaeology/CRM/databases/contracting-archaeologists/index.

If you have any questions, please contact Renee Erickson at rericksoncrt.la.gov.

Sincerely,

Kristin P. Sanders

Kristin Sanders
State Historic Preservation Officer

United States Department of the Interior

NATIONAL PARK SERVICE
Jean Lafitte National Historical Park and Preserve
New Orleans Jazz National Historical Park
419 Decatur Street
New Orleans, Louisiana 70130-1035

IN REPLY REFER TO:

1.A.2

Kristin P Sanders
Deputy Assistant Secretary/Attorney
Office of Cultural Development
P.O. Box 44247
Baton Rouge, LA 70804

Re: Ongoing consultation - Entergy Louisiana LLC Golden Meadow to Barataria 115 kV Electrical Transmission Line Replacement of Existing Structures

Dear Kristen Sanders:

The National Park Service (NPS), in compliance with Section 106 of the National Historic Preservation Act of 1966 (NHPA), as amended (54 U.S.C. 306108) and its implementing regulations (36 CFR Part 800), is requesting concurrence of a finding of No Adverse Effect for this project within the Barataria Preserve of the Jean Lafitte National Historical Park and Preserve (JELA), National Park Service (NPS).

This letter continues the ongoing consultation on the Golden Meadow to Barataria 115 kV Electrical Transmission Line at JELA. NPS previously initiated consultation on May 21, 2021. NPS proposes to issue a Construction Special Use Permit (SUP) to authorize Entergy Louisiana, LLC (Entergy) to demolish and rebuild 28 existing timber and steel support electrical transmission structures for 2.63 miles of the 115kV Barataria-Golden Meadow transmission line within an existing right of way in the NPS property boundary of the Barataria Preserve of JELA. These electrical transmission structures are part of the larger Barataria - Golden Meadows transmission line. Due to considerable damage that occurred during Hurricane Zeta in 2020 and Hurricane Ida in 2021, Entergy determined that in order for the electrical line to be operated safety the existing structures must be demolished and rebuilt. New structures would be installed in the same general locations as the existing ones within the existing right-of-way. Conventional construction methods would be utilized for installation of new structures and require tracked amphibious marsh equipment travel to each structure. Helicopters would be used for material transfer to minimize the number of ground-based equipment passes. Twenty-six (26) monopole structures would have base plated vibratory caisson foundations which would require no additional excavation and occupy a small surface area in comparison to the current structures located within the right-of-way. Two (2) Pyramax structures would be replaced within the footprints of the existing concrete pads situated at the Bayou Segnette Waterway crossing.

Only one cultural resources site is within the project area. Site 16JE80 is located on Jones Point on either side of the Bayou Segnette Waterway. This prehistoric site was determined to be ineligible for listing on the National Register of Historic Places with concurrence by the State Historic Preservation Office in a letter dated December 28, 2021. In addition, the site was heavily disturbed prior to NPS ownership and the National Historic Preservation Act laws, first by dredging activity in the 1950s, later by the construction of the high voltage transmission tower in the mid-1960s, and finally with erosion.

Because new electrical transmission structures would be installed in the same general locations as the existing ones, to include the replacement of the existing transmission tower on top of site 16JE80, we believe that the proposed undertaking would not adversely affect cultural resources and that the proposed construction will have "*No Adverse Effect*" on historic properties eligible to the National Register.

If you have any questions, please contact Guy Hughes, Chief, Resource Management, guy_hughes@nps.gov, 504-512-2558, or myself at 504-589-3882 ext. 108.

Sincerely,

REBECCA LASELL

Digitally signed by REBECCA LASELL
Date: 2022.03.21 10:09:31 -05'00'

Rebecca Lasell
Acting Superintendent

Enclosure

Figure 1. View of existing powerline structures and he Jones Point site (JELA-80/16JE80) from Bayou Villars in the Gulf Intracoastal Waterway (GIWW).

From: Office of Coastal Management
To: ELIZABETH.HILL@LA.GOV; LES.ROSSO@LA.GOV; JOHAN.FORSMAN@LA.GOV; DCRT Section 106; DUFRENEMC@LAFOURCHEGOV.ORG; KIRK.KILGEN@LA.GOV; JSMITH@JEFFPARISH.NET; SAMUEL.WELTY@LA.GOV; EDWARD.KNIGHT@LA.GOV; ANGEL.COVINGTON@LA.GOV; CHRISTINE.CHARRIER@LA.GOV; SARA.PIAZZA@LA.GOV; STEVEN.GIAMBRONE@LA.GOV; DDURONS@ENTERGY.COM; PERMITS.HMA@TBSMITH.COM
Subject: P20210693 - Notice
Date: Wednesday, December 8, 2021 2:54:17 PM

EXTERNAL EMAIL Please do not click on links or attachments unless you know the content is safe.

If you would like to respond, provide comment or contact someone about this application please click the OCM Analyst name below to send an email to the permit analyst, use the "Make Comments" link below to post a comment to the administrative record or call the OCM Analyst at 225-342-7591 or 800-267-4019. Be sure to reference your P# as found in the subject of this email. Do not use the "reply" button to respond to this email as this account is not monitored for incoming messages.

Coastal Use Permit Application Information

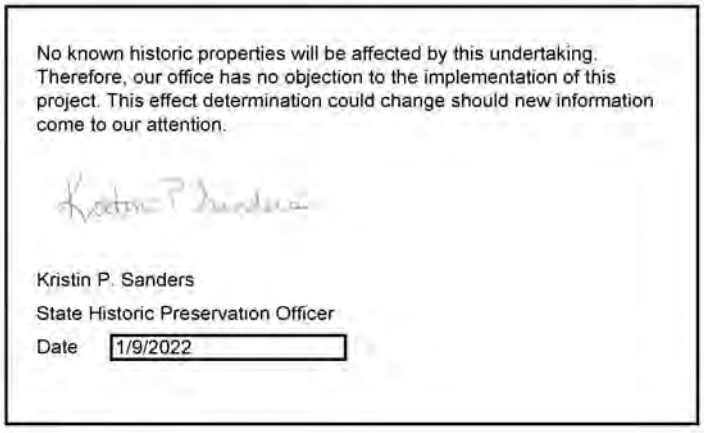
Applicant:	Entergy Louisiana, LLC
Project:	Proposed removal of existing wires and structures along the Golden Meadow to Barataria Transmission line
Project Parish(es):	JEFFERSON, LAFOURCHE

OCM Analyst:	Jessica Stowe (jessica.stowe@la.gov)
Preliminary Determination:	Coastal Use Permit
Application Modification:	N/A

Notice for the above application has been initiated.

You can view the Notice at:

Notice
Application
Make Comments



No known historic properties will be affected by this undertaking. Therefore, our office has no objection to the implementation of this project. This effect determination could change should new information come to our attention.

Kristin P. Sanders
State Historic Preservation Officer
Date 1/9/2022

United States Department of the Interior

NATIONAL PARK SERVICE
Jean Lafitte National Historical Park and Preserve
New Orleans Jazz National Historical Park
419 Decatur Street
New Orleans, Louisiana 70130-1035

IN REPLY REFER TO:

1.A.2

Rick Sylestine, Chairman
Alabama-Coushatta Tribe of Texas
571 State Park Road 56
Livingston, Texas 77351

Re: UPDATE: Entergy Louisiana LLC Golden Meadow to Barataria 115 kV Electrical Transmission Line Replacement of Existing Structures, within the Barataria Preserve of the Jean Lafitte National Historical Park and Preserve, National Park Service

Dear Chairman Sylestine,

The National Park Service's Jean Lafitte National Historical Park and Preserve (the Park) is committed to honoring its obligations and responsibilities toward the sovereign, federally recognized Indian tribes. Federal regulations for the implementation of Section 106 of the National Historic Preservation Act of 1966 (NHPA), as amended, require consultation with federally recognized American Indian Tribes (36 CFR 800.2) on a government-to-government basis, as specified in Executive Order 13175.

This letter continues the ongoing consultation on the Golden Meadow to Barataria 115 kV Electrical Transmission Line at JELA. Entergy Louisiana, LLC (Entergy) is proposing to demolish and rebuild 29 existing electrical transmission structures for 2.63 miles of the 115kV Barataria-Golden Meadow transmission line within an existing right of way (ROW) within the NPS property boundary of the Barataria Preserve of the Park (see Maps). The Park proposes to issue a Construction Special Use Permit (SUP) to authorize Entergy for this proposed action. The Park previously communicated with you or your designated representative on March 21, 2022, and May 21, 2021. Entergy changed their methods for demolition for two structures (287 and 288) and proposes an alternative location for replacement of one of the structures (287) currently situated within the boundaries of archaeological site 16JE80. Therefore, we are continuing consultation and request any concerns you or your designated representative may have with this change.

Site 16JE80, the only cultural site within the project area, is located on Jones Point on the west bank of the Bayou Segnette Waterway. The site was heavily disturbed prior to NPS ownership and the National Historic Preservation Act laws, first by dredging activity in the 1950s, later by the construction of the high voltage transmission tower in the mid-1960s, and finally with erosion. This prehistoric site was determined to be ineligible for listing on the National Register of Historic Places with concurrence by the State Historic Preservation Office in a letter dated December 28, 2021.

CHANGE OF UNDERTAKING: The two existing lattice structures (287 & 288 – see Figure 1) would still be removed, but instead of use of a helicopter to dismantle the towers, the method of removal would be using a combination of explosives and ground-based equipment. A blasting contractor would first weaken each structure by cutting notches near the bases of the four steel legs. Two of the legs would then be wrapped in shaped explosive charges. Charges would be simultaneously triggered, and the two legs of

the structure with the charges would sever, forcing that side of the structure upward. The two opposite legs would hinge at the notches, allowing the tower to rotate over and drop forwards within the existing ROW. Once these structures would be safely lowered to ground level, hydraulic sheers would be utilized to dismantle the tower before being hauled to nearby barges using marsh equipment. Structures would be dismantled and transported to nearby barges with marsh equipment.

The below-grade portions of the structures consisting of foundation pilings and guy wire anchors would also be removed; however, if reasonably non-invasive construction methods are unsuccessful in removing these foundation pilings or guy wire anchors, then the foundation pilings would either be cut off or driven down to three-feet below grade and the guy anchors would be cut off three-feet below grade. However, the foundation pillars associated with Structure 287 would remain in place to ensure that no additional ground disturbance would occur within archeological site 16JE80.

The two lattice structures replacement is proposed with larger Pyramax structures, and the location of Structure 287 would be moved off of site 16JE80, southwest into open water and outside of park boundaries. This change would offset potential impacts to 16JE80 caused by installation of a new structure adjacent to the existing foundation of 287 that would be abandoned in place. The Pyramax structures would extend vertically approximately 250-feet above the ground. Each new Pyramax structure would be installed on four base plated vibratory caisson foundations, which would result in a small surface area impact with no excavation or fill required. Each new structure would have a total surface impact of +/- 0.004 acres (each caisson having a 7-foot diameter) and the vibratory caisson foundations would be installed to a depth of approximately 74-feet below ground surface

Because the new electrical transmission structures would be installed in the same general locations as the existing ones, except for Structure 287 that would be relocated, and because archeological site 16JE80 was determined to be ineligible for listing on the National Register of Historic Places with concurrence by the State Historic Preservation Office in a letter dated December 28, 2021, we believe that the proposed undertaking would not adversely affect cultural resources and that the proposed construction with changes would have "*No Adverse Effect*" on historic properties eligible to the National Register.

As always, I would be happy to consult on a government-to-government basis with the you or your designated representative at any time. Guy Hughes will be contacting you or your designated representative about this project in 30 days. If you have any questions or concerns, please contact Guy Hughes, Chief, Resource Management, guy_hughes@nps.gov, 504-512-2558, or myself at 504-589-3882 ext. 108.

Sincerely,

REBECCA LASELL

Digitally signed by REBECCA LASELL
Date: 2022.10.17 13:56:19 -05'00'

Rebecca R Lasell
Acting Superintendent

Cc: Bryant J. Celestine, Tribal Historic Preservation Officer

Enclosures

United States Department of the Interior

NATIONAL PARK SERVICE
Jean Lafitte National Historical Park and Preserve
New Orleans Jazz National Historical Park
419 Decatur Street
New Orleans, Louisiana 70130-1035

IN REPLY REFER TO:

1.A.2

Wilson Yargee, Chief
Alabama-Quassarte Tribal Town
Post Office Box 187
Wetumka, Oklahoma 74883

Re: UPDATE: Entergy Louisiana LLC Golden Meadow to Barataria 115 kV Electrical Transmission Line Replacement of Existing Structures, within the Barataria Preserve of the Jean Lafitte National Historical Park and Preserve, National Park Service

Dear Chief Yargee,

The National Park Service's Jean Lafitte National Historical Park and Preserve (the Park) is committed to honoring its obligations and responsibilities toward the sovereign, federally recognized Indian tribes. Federal regulations for the implementation of Section 106 of the National Historic Preservation Act of 1966 (NHPA), as amended, require consultation with federally recognized American Indian Tribes (36 CFR 800.2) on a government-to-government basis, as specified in Executive Order 13175.

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Site 16JE80, the only cultural site within the project area, is located on Jones Point on the west bank of the Bayou Segnette Waterway. The site was heavily disturbed prior to NPS ownership and the National Historic Preservation Act laws, first by dredging activity in the 1950s, later by the construction of the high voltage transmission tower in the mid-1960s, and finally with erosion. This prehistoric site was determined to be ineligible for listing on the National Register of Historic Places with concurrence by the State Historic Preservation Office in a letter dated December 28, 2021.

CHANGE OF UNDERTAKING: The two existing lattice structures (287 & 288 – see Figure 1) would still be removed, but instead of use of a helicopter to dismantle the towers, the method of removal would be using a combination of explosives and ground-based equipment. A blasting contractor would first weaken each structure by cutting notches near the bases of the four steel legs. Two of the legs would then be wrapped in shaped explosive charges. Charges would be simultaneously triggered, and the two legs of

the structure with the charges would sever, forcing that side of the structure upward. The two opposite legs would hinge at the notches, allowing the tower to rotate over and drop forwards within the existing ROW. Once these structures would be safely lowered to ground level, hydraulic sheers would be utilized to dismantle the tower before being hauled to nearby barges using marsh equipment. Structures would be dismantled and transported to nearby barges with marsh equipment.

The below-grade portions of the structures consisting of foundation pilings and guy wire anchors would also be removed; however, if reasonably non-invasive construction methods are unsuccessful in removing these foundation pilings or guy wire anchors, then the foundation pilings would either be cut off or driven down to three-feet below grade and the guy anchors would be cut off three-feet below grade. However, the foundation pillars associated with Structure 287 would remain in place to ensure that no additional ground disturbance would occur within archeological site 16JE80.

The two lattice structures replacement is proposed with larger Pyramax structures, and the location of Structure 287 would be moved off of site 16JE80, southwest into open water and outside of park boundaries. This change would offset potential impacts to 16JE80 caused by installation of a new structure adjacent to the existing foundation of 287 that would be abandoned in place. The Pyramax structures would extend vertically approximately 250-feet above the ground. Each new Pyramax structure would be installed on four base plated vibratory caisson foundations, which would result in a small surface area impact with no excavation or fill required. Each new structure would have a total surface impact of +/- 0.004 acres (each caisson having a 7-foot diameter) and the vibratory caisson foundations would be installed to a depth of approximately 74-feet below ground surface

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REBECCA LASELL

Digitally signed by REBECCA LASELL
Date: 2022.10.17 13:57:03 -05'00'

Rebecca R Lasell
Acting Superintendent

Enclosures

United States Department of the Interior

NATIONAL PARK SERVICE
Jean Lafitte National Historical Park and Preserve
New Orleans Jazz National Historical Park
419 Decatur Street
New Orleans, Louisiana 70130-1035

IN REPLY REFER TO:

1.A.2

Bobby Gonzalez, Chairman
Caddo Nation of Oklahoma
Post Office Box 487
Binger, Oklahoma 73009

Re: UPDATE: Entergy Louisiana LLC Golden Meadow to Barataria 115 kV Electrical Transmission Line Replacement of Existing Structures, within the Barataria Preserve of the Jean Lafitte National Historical Park and Preserve, National Park Service

Dear Chairman Gonzales,

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Because the new electrical transmission structures would be installed in the same general locations as the existing ones, except for Structure 287 that would be relocated, and because archeological site 16JE80 was determined to be ineligible for listing on the National Register of Historic Places with concurrence by the State Historic Preservation Office in a letter dated December 28, 2021, we believe that the proposed undertaking would not adversely affect cultural resources and that the proposed construction with changes would have "*No Adverse Effect*" on historic properties eligible to the National Register.

As always, I would be happy to consult on a government-to-government basis with the you or your designated representative at any time. Guy Hughes will be contacting you or your designated representative about this project in 30 days. If you have any questions or concerns, please contact Guy Hughes, Chief, Resource Management, guy_hughes@nps.gov, 504-512-2558, or myself at 504-589-3882 ext. 108.

Sincerely,

REBECCA LASELL

Digitally signed by REBECCA LASELL
Date: 2022.10.17 13:13:59 -05'00'

Rebecca R Lasell
Acting Superintendent

Cc: Jonathan Rohrer, Tribal Historic Preservation Officer

Enclosures

United States Department of the Interior

NATIONAL PARK SERVICE
Jean Lafitte National Historical Park and Preserve
New Orleans Jazz National Historical Park
419 Decatur Street
New Orleans, Louisiana 70130-1035

IN REPLY REFER TO:

1.A.2

Melissa Darden, Chairperson
Chitimacha Tribe of Louisiana
PO Box 661
Charenton, Louisiana 70523

Re: UPDATE: Entergy Louisiana LLC Golden Meadow to Barataria 115 kV Electrical Transmission Line Replacement of Existing Structures, within the Barataria Preserve of the Jean Lafitte National Historical Park and Preserve, National Park Service

Dear Chairperson Darden,

The National Park Service's Jean Lafitte National Historical Park and Preserve (the Park) is committed to honoring its obligations and responsibilities toward the sovereign, federally recognized Indian tribes. Federal regulations for the implementation of Section 106 of the National Historic Preservation Act of 1966 (NHPA), as amended, require consultation with federally recognized American Indian Tribes (36 CFR 800.2) on a government-to-government basis, as specified in Executive Order 13175.

This letter continues the ongoing consultation on the Golden Meadow to Barataria 115 kV Electrical Transmission Line at JELA. Entergy Louisiana, LLC (Entergy) is proposing to demolish and rebuild 29 existing electrical transmission structures for 2.63 miles of the 115kV Barataria-Golden Meadow transmission line within an existing right of way (ROW) within the NPS property boundary of the Barataria Preserve of the Park (see Maps). The Park proposes to issue a Construction Special Use Permit (SUP) to authorize Entergy for this proposed action. The Park previously communicated with you or your designated representative on March 21, 2022, and May 21, 2021. Entergy changed their methods for demolition for two structures (287 and 288) and proposes an alternative location for replacement of one of the structures (287) currently situated within the boundaries of archaeological site 16JE80. Therefore, we are continuing consultation and request any concerns you or your designated representative may have with this change.

Site 16JE80, the only cultural site within the project area, is located on Jones Point on the west bank of the Bayou Segnette Waterway. The site was heavily disturbed prior to NPS ownership and the National Historic Preservation Act laws, first by dredging activity in the 1950s, later by the construction of the high voltage transmission tower in the mid-1960s, and finally with erosion. This prehistoric site was determined to be ineligible for listing on the National Register of Historic Places with concurrence by the State Historic Preservation Office in a letter dated December 28, 2021.

CHANGE OF UNDERTAKING: The two existing lattice structures (287 & 288 – see Figure 1) would still be removed, but instead of use of a helicopter to dismantle the towers, the method of removal would be using a combination of explosives and ground-based equipment. A blasting contractor would first weaken each structure by cutting notches near the bases of the four steel legs. Two of the legs would then be wrapped in shaped explosive charges. Charges would be simultaneously triggered, and the two legs of

the structure with the charges would sever, forcing that side of the structure upward. The two opposite legs would hinge at the notches, allowing the tower to rotate over and drop forwards within the existing ROW. Once these structures would be safely lowered to ground level, hydraulic sheers would be utilized to dismantle the tower before being hauled to nearby barges using marsh equipment. Structures would be dismantled and transported to nearby barges with marsh equipment.

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Because the new electrical transmission structures would be installed in the same general locations as the existing ones, except for Structure 287 that would be relocated, and because archeological site 16JE80 was determined to be ineligible for listing on the National Register of Historic Places with concurrence by the State Historic Preservation Office in a letter dated December 28, 2021, we believe that the proposed undertaking would not adversely affect cultural resources and that the proposed construction with changes would have "*No Adverse Effect*" on historic properties eligible to the National Register.

As always, I would be happy to consult on a government-to-government basis with the you or your designated representative at any time. Guy Hughes will be contacting you or your designated representative about this project in 30 days. If you have any questions or concerns, please contact Guy Hughes, Chief, Resource Management, guy_hughes@nps.gov, 504-512-2558, or myself at 504-589-3882 ext. 108.

Sincerely,

REBECCA LASELL

Digitally signed by REBECCA LASELL
Date: 2022.10.17 13:14:37 -05'00'

Rebecca R Lasell
Acting Superintendent

Cc: Kimberly Walden, Tribal Historic Preservation Officer

Enclosures

United States Department of the Interior

NATIONAL PARK SERVICE
Jean Lafitte National Historical Park and Preserve
New Orleans Jazz National Historical Park
419 Decatur Street
New Orleans, Louisiana 70130-1035

IN REPLY REFER TO:

1.A.2

Gary Batton, Chief
The Choctaw Nation of Oklahoma
Post Office Drawer 1210
Durant, Oklahoma 74701

Re: UPDATE: Entergy Louisiana LLC Golden Meadow to Barataria 115 kV Electrical Transmission Line Replacement of Existing Structures, within the Barataria Preserve of the Jean Lafitte National Historical Park and Preserve, National Park Service

Dear Chief Batton,

The National Park Service's Jean Lafitte National Historical Park and Preserve (the Park) is committed to honoring its obligations and responsibilities toward the sovereign, federally recognized Indian tribes. Federal regulations for the implementation of Section 106 of the National Historic Preservation Act of 1966 (NHPA), as amended, require consultation with federally recognized American Indian Tribes (36 CFR 800.2) on a government-to-government basis, as specified in Executive Order 13175.

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Sincerely,

REBECCA LASELL

Digitally signed by REBECCA LASELL
Date: 2022.10.17 13:15:21 -05'00'

Rebecca R Lasell
Acting Superintendent

Cc: Lindsey Bilyeu, Senior Compliance Review Officer, Historic Preservation Department

Enclosures

United States Department of the Interior

NATIONAL PARK SERVICE
Jean Lafitte National Historical Park and Preserve
New Orleans Jazz National Historical Park
419 Decatur Street
New Orleans, Louisiana 70130-1035

IN REPLY REFER TO:

1.A.2

Jonathan Cernek, Tribal Chairman
Coushatta Tribe of Louisiana
Post Office Box 10
Elton, Louisiana 70532

Re: UPDATE: Entergy Louisiana LLC Golden Meadow to Barataria 115 kV Electrical Transmission Line Replacement of Existing Structures, within the Barataria Preserve of the Jean Lafitte National Historical Park and Preserve, National Park Service

Dear Chairman Cernek,

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Sincerely,

REBECCA LASELL

Digitally signed by REBECCA LASELL
Date: 2022.10.17 13:16:07 -05'00'

Rebecca R Lasell
Acting Superintendent

Cc: Kristian Poncho, Acting Tribal Historic Preservation Officer

Enclosures

United States Department of the Interior

NATIONAL PARK SERVICE
Jean Lafitte National Historical Park and Preserve
New Orleans Jazz National Historical Park
419 Decatur Street
New Orleans, Louisiana 70130-1035

IN REPLY REFER TO:

1.A.2

B. Cheryl Smith, Tribal Chief
Jena Band of Choctaw Indians
Post Office Box 14
Jena, Louisiana 71342

Re: UPDATE: Entergy Louisiana LLC Golden Meadow to Barataria 115 kV Electrical Transmission Line Replacement of Existing Structures, within the Barataria Preserve of the Jean Lafitte National Historical Park and Preserve, National Park Service

Dear Chief Smith,

The National Park Service's Jean Lafitte National Historical Park and Preserve (the Park) is committed to honoring its obligations and responsibilities toward the sovereign, federally recognized Indian tribes. Federal regulations for the implementation of Section 106 of the National Historic Preservation Act of 1966 (NHPA), as amended, require consultation with federally recognized American Indian Tribes (36 CFR 800.2) on a government-to-government basis, as specified in Executive Order 13175.

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Sincerely,

REBECCA LASELL

Digitally signed by REBECCA LASELL
Date: 2022.10.17 13:17:04 -05'00'

Rebecca R Lasell
Acting Superintendent

Cc: Johnna Flynn, Interim Tribal Historic Preservation Officer

Enclosures

United States Department of the Interior

NATIONAL PARK SERVICE
Jean Lafitte National Historical Park and Preserve
New Orleans Jazz National Historical Park
419 Decatur Street
New Orleans, Louisiana 70130-1035

IN REPLY REFER TO:

1.A.2

Brian Givens, Mekko
Kialegee Tribal Town
Post Office Box 332
Wetumka, Oklahoma 74883

Re: UPDATE: Entergy Louisiana LLC Golden Meadow to Barataria 115 kV Electrical Transmission Line Replacement of Existing Structures, within the Barataria Preserve of the Jean Lafitte National Historical Park and Preserve, National Park Service

Dear Mekko Givens,

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Sincerely,

REBECCA LASELL

Digitally signed by REBECCA LASELL
Date: 2022.10.17 13:17:43 -05'00'

Rebecca R Lasell
Acting Superintendent

Cc: David Cook, Tribal Adminstrator

Enclosures

United States Department of the Interior

NATIONAL PARK SERVICE
Jean Lafitte National Historical Park and Preserve
New Orleans Jazz National Historical Park
419 Decatur Street
New Orleans, Louisiana 70130-1035

IN REPLY REFER TO:

1.A.2

Cyrus Ben, Tribal Chief
Mississippi Band of Choctaw Indians
PO Box 6010
Choctaw, Mississippi 39350

Re: UPDATE: Entergy Louisiana LLC Golden Meadow to Barataria 115 kV Electrical Transmission Line Replacement of Existing Structures, within the Barataria Preserve of the Jean Lafitte National Historical Park and Preserve, National Park Service

Dear Chief Ben,

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Because the new electrical transmission structures would be installed in the same general locations as the existing ones, except for Structure 287 that would be relocated, and because archeological site 16JE80 was determined to be ineligible for listing on the National Register of Historic Places with concurrence by the State Historic Preservation Office in a letter dated December 28, 2021, we believe that the proposed undertaking would not adversely affect cultural resources and that the proposed construction with changes would have "*No Adverse Effect*" on historic properties eligible to the National Register.

As always, I would be happy to consult on a government-to-government basis with the you or your designated representative at any time. Guy Hughes will be contacting you or your designated representative about this project in 30 days. If you have any questions or concerns, please contact Guy Hughes, Chief, Resource Management, guy_hughes@nps.gov, 504-512-2558, or myself at 504-589-3882 ext. 108.

Sincerely,

REBECCA LASELL

Digitally signed by REBECCA LASELL
Date: 2022.10.17 13:18:28 -05'00'

Rebecca R Lasell
Acting Superintendent

Cc: Kenneth H. Carleton, Tribal Historic Preservation Officer

Enclosures

United States Department of the Interior

NATIONAL PARK SERVICE
Jean Lafitte National Historical Park and Preserve
New Orleans Jazz National Historical Park
419 Decatur Street
New Orleans, Louisiana 70130-1035

IN REPLY REFER TO:

1.A.2

Stephanie A. Bryan, Tribal Chair
Poarch Band of Creek Indians
5811 Jack Springs Road
Atmore, Alabama 36502

Re: UPDATE: Entergy Louisiana LLC Golden Meadow to Barataria 115 kV Electrical Transmission Line Replacement of Existing Structures, within the Barataria Preserve of the Jean Lafitte National Historical Park and Preserve, National Park Service

Dear Chairwoman Bryan,

The National Park Service's Jean Lafitte National Historical Park and Preserve (the Park) is committed to honoring its obligations and responsibilities toward the sovereign, federally recognized Indian tribes. Federal regulations for the implementation of Section 106 of the National Historic Preservation Act of 1966 (NHPA), as amended, require consultation with federally recognized American Indian Tribes (36 CFR 800.2) on a government-to-government basis, as specified in Executive Order 13175.

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CHANGE OF UNDERTAKING: The two existing lattice structures (287 & 288 – see Figure 1) would still be removed, but instead of use of a helicopter to dismantle the towers, the method of removal would be using a combination of explosives and ground-based equipment. A blasting contractor would first weaken each structure by cutting notches near the bases of the four steel legs. Two of the legs would then be wrapped in shaped explosive charges. Charges would be simultaneously triggered, and the two legs of

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Because the new electrical transmission structures would be installed in the same general locations as the existing ones, except for Structure 287 that would be relocated, and because archeological site 16JE80 was determined to be ineligible for listing on the National Register of Historic Places with concurrence by the State Historic Preservation Office in a letter dated December 28, 2021, we believe that the proposed undertaking would not adversely affect cultural resources and that the proposed construction with changes would have "*No Adverse Effect*" on historic properties eligible to the National Register.

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Sincerely,

REBECCA LASELL
Digitally signed by REBECCA LASELL
Date: 2022.10.17 13:19:11 -05'00'

Rebecca R Lasell
Acting Superintendent

Cc: Larry Haikey, Tribal Historic Preservation Officer

Enclosures

United States Department of the Interior

NATIONAL PARK SERVICE
Jean Lafitte National Historical Park and Preserve
New Orleans Jazz National Historical Park
419 Decatur Street
New Orleans, Louisiana 70130-1035

IN REPLY REFER TO:

1.A.2

Ryan Morrow, Mekko
Thlopthlocco Tribal Town
Post Office Box 188
Okemah, Oklahoma 74859

Re: UPDATE: Entergy Louisiana LLC Golden Meadow to Barataria 115 kV Electrical Transmission Line Replacement of Existing Structures, within the Barataria Preserve of the Jean Lafitte National Historical Park and Preserve, National Park Service

Dear Mekko Morrow,

The National Park Service's Jean Lafitte National Historical Park and Preserve (the Park) is committed to honoring its obligations and responsibilities toward the sovereign, federally recognized Indian tribes. Federal regulations for the implementation of Section 106 of the National Historic Preservation Act of 1966 (NHPA), as amended, require consultation with federally recognized American Indian Tribes (36 CFR 800.2) on a government-to-government basis, as specified in Executive Order 13175.

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Sincerely,

REBECCA LASELL
Digitally signed by REBECCA LASELL
Date: 2022.10.17 13:19:57 -05'00'

Rebecca R Lasell
Acting Superintendent

Cc: Galen Cloud, Tribal Historic Preservation Officer

Enclosures

United States Department of the Interior

NATIONAL PARK SERVICE
Jean Lafitte National Historical Park and Preserve
New Orleans Jazz National Historical Park
419 Decatur Street
New Orleans, Louisiana 70130-1035

IN REPLY REFER TO:

1.A.2

Marshall Pierite, Chairman
Tunica-Biloxi Indian Tribe of Louisiana
Post Office Box 1589
Marksville, Louisiana 71351

Re: UPDATE: Entergy Louisiana LLC Golden Meadow to Barataria 115 kV Electrical Transmission Line Replacement of Existing Structures, within the Barataria Preserve of the Jean Lafitte National Historical Park and Preserve, National Park Service

Dear Chairman Pierite,

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Sincerely,

REBECCA LASELL

Digitally signed by REBECCA LASELL
Date: 2022.10.17 13:20:39 -05'00'

Rebecca R Lasell
Acting Superintendent

Cc: Earl J. Barbry, Jr., Tribal Historic Preservation Officer

Enclosures

United States Department of the Interior

NATIONAL PARK SERVICE
Jean Lafitte National Historical Park and Preserve
New Orleans Jazz National Historical Park
419 Decatur Street
New Orleans, Louisiana 70130-1035

IN REPLY REFER TO:

1.A.2

Lewis Johnson, Principal Chief
Seminole Nation of Oklahoma
PO Box 1498
Wewoka, Oklahoma 74884

Re: UPDATE: Entergy Louisiana LLC Golden Meadow to Barataria 115 kV Electrical Transmission Line Replacement of Existing Structures, within the Barataria Preserve of the Jean Lafitte National Historical Park and Preserve, National Park Service

Dear Principal Chief Johnson,

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Sincerely,

REBECCA LASELL
Digitally signed by REBECCA LASELL
Date: 2022.10.17 13:21:22 -05'00'

Rebecca R Lasell
Acting Superintendent

Cc: Ben Yahola, Tribal Historic Preservation Officer

Enclosures

United States Department of the Interior

NATIONAL PARK SERVICE
Jean Lafitte National Historical Park and Preserve
New Orleans Jazz National Historical Park
419 Decatur Street
New Orleans, Louisiana 70130-1035

IN REPLY REFER TO:

1.A.2

Marcellus W. Osceola, Chairman
Seminole Tribe of Florida
30290 Josie Billie Highway PMB 1004
Clewiston, Florida 33440

Re: UPDATE: Entergy Louisiana LLC Golden Meadow to Barataria 115 kV Electrical Transmission Line Replacement of Existing Structures, within the Barataria Preserve of the Jean Lafitte National Historical Park and Preserve, National Park Service

Dear Chairman Osceola,

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Sincerely,

REBECCA LASELL

Digitally signed by REBECCA LASELL
Date: 2022.10.17 13:22:02 -05'00'

Rebecca R Lasell
Acting Superintendent

Cc: Bradley Mueller, Compliance Review Specialist

Enclosures

United States Department of the Interior

NATIONAL PARK SERVICE
Jean Lafitte National Historical Park and Preserve
New Orleans Jazz National Historical Park
419 Decatur Street
New Orleans, Louisiana 70130-1035

IN REPLY REFER TO:

1.A.2

Glenna Wallace, Chief
Eastern Shawnee Tribe of Oklahoma
Post Office Box 350
Seneca, Missouri 64865

Re: UPDATE: Entergy Louisiana LLC Golden Meadow to Barataria 115 kV Electrical Transmission Line Replacement of Existing Structures, within the Barataria Preserve of the Jean Lafitte National Historical Park and Preserve, National Park Service

Dear Chief Wallace,

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Site 16JE80, the only cultural site within the project area, is located on Jones Point on the west bank of the Bayou Segnette Waterway. The site was heavily disturbed prior to NPS ownership and the National Historic Preservation Act laws, first by dredging activity in the 1950s, later by the construction of the high voltage transmission tower in the mid-1960s, and finally with erosion. This prehistoric site was determined to be ineligible for listing on the National Register of Historic Places with concurrence by the State Historic Preservation Office in a letter dated December 28, 2021.

CHANGE OF UNDERTAKING: The two existing lattice structures (287 & 288 – see Figure 1) would still be removed, but instead of use of a helicopter to dismantle the towers, the method of removal would be using a combination of explosives and ground-based equipment. A blasting contractor would first weaken each structure by cutting notches near the bases of the four steel legs. Two of the legs would then be wrapped in shaped explosive charges. Charges would be simultaneously triggered, and the two legs of

the structure with the charges would sever, forcing that side of the structure upward. The two opposite legs would hinge at the notches, allowing the tower to rotate over and drop forwards within the existing ROW. Once these structures would be safely lowered to ground level, hydraulic sheers would be utilized to dismantle the tower before being hauled to nearby barges using marsh equipment. Structures would be dismantled and transported to nearby barges with marsh equipment.

The below-grade portions of the structures consisting of foundation pilings and guy wire anchors would also be removed; however, if reasonably non-invasive construction methods are unsuccessful in removing these foundation pilings or guy wire anchors, then the foundation pilings would either be cut off or driven down to three-feet below grade and the guy anchors would be cut off three-feet below grade. However, the foundation pillars associated with Structure 287 would remain in place to ensure that no additional ground disturbance would occur within archeological site 16JE80.

The two lattice structures replacement is proposed with larger Pyramax structures, and the location of Structure 287 would be moved off of site 16JE80, southwest into open water and outside of park boundaries. This change would offset potential impacts to 16JE80 caused by installation of a new structure adjacent to the existing foundation of 287 that would be abandoned in place. The Pyramax structures would extend vertically approximately 250-feet above the ground. Each new Pyramax structure would be installed on four base plated vibratory caisson foundations, which would result in a small surface area impact with no excavation or fill required. Each new structure would have a total surface impact of +/- 0.004 acres (each caisson having a 7-foot diameter) and the vibratory caisson foundations would be installed to a depth of approximately 74-feet below ground surface

Because the new electrical transmission structures would be installed in the same general locations as the existing ones, except for Structure 287 that would be relocated, and because archeological site 16JE80 was determined to be ineligible for listing on the National Register of Historic Places with concurrence by the State Historic Preservation Office in a letter dated December 28, 2021, we believe that the proposed undertaking would not adversely affect cultural resources and that the proposed construction with changes would have "*No Adverse Effect*" on historic properties eligible to the National Register.

As always, I would be happy to consult on a government-to-government basis with the you or your designated representative at any time. Guy Hughes will be contacting you or your designated representative about this project in 30 days. If you have any questions or concerns, please contact Guy Hughes, Chief, Resource Management, guy_hughes@nps.gov, 504-512-2558, or myself at 504-589-3882 ext. 108.

Sincerely,

REBECCA LASELL

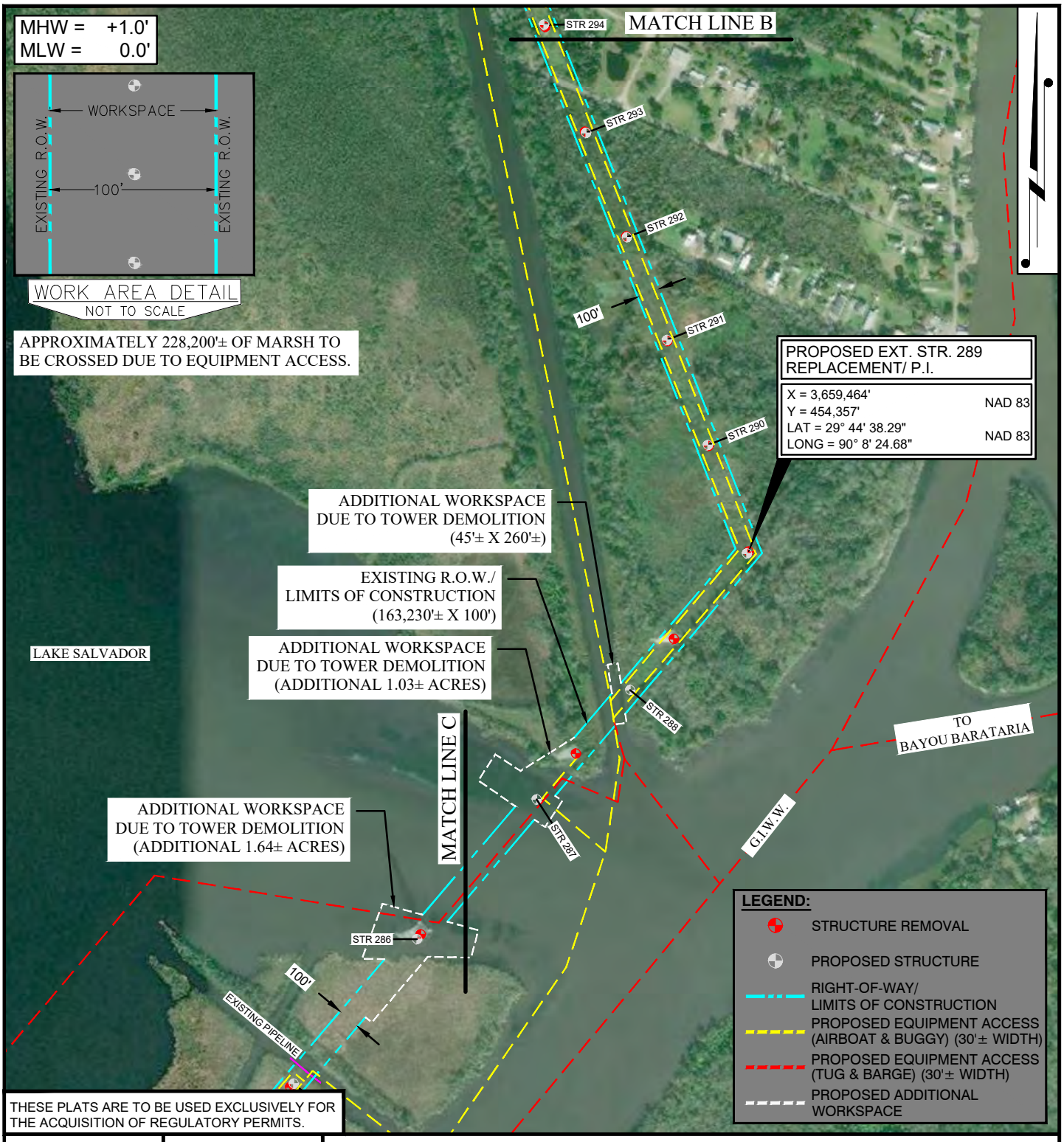
Digitally signed by REBECCA LASELL
Date: 2022.10.17 13:22:45 -05'00'

Rebecca R Lasell
Acting Superintendent

Cc: Paul Barton, Tribal Historic Preservation Officer

Enclosures

Figure 1. View of existing powerline structures and the Jones Point site (JELA-80/16JE80) from Bayou Villars in the Gulf Intracoastal Waterway (GIWW).



THESE PLATS ARE TO BE USED EXCLUSIVELY FOR THE ACQUISITION OF REGULATORY PERMITS.

DRAWN BY:	SPM	APPROVED BY:	MDT
DATE:	07/06/2021	JOB NO:	2021.0252
DRAWING NAME:	210252P- 3_REV.DWG		
SHEET NO:	5	OF	41

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

SCALE: 1" = 600'

600' 300' 0' 600'

PLAN VIEW

ENTERGY LOUISIANA, LLC

PROPOSED REMOVAL/REPLACEMENT OF EXISTING STRUCTURES ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE
LAFOURCHE & JEFFERSON PARISHES, LOUISIANA

T. BAKER SMITH
A CENTURY OF SOLUTIONS
412 South Van Ave, Houma, LA 70363
(985)868-1666 - tbsmith.com

REV. NO:	REV. DATE:	REV. BY:
05	07/18/2022	SPM

REVISION DESCRIPTION:
ADDED TOWER DEMOLITION WORKSPACES.

8/30/2022 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 3_REV.DWG

BILLY NUNGESSER
LIEUTENANT GOVERNOR

State of Louisiana
OFFICE OF THE LIEUTENANT GOVERNOR
DEPARTMENT OF CULTURE, RECREATION & TOURISM
OFFICE OF CULTURAL DEVELOPMENT
DIVISION OF ARCHAEOLOGY

KRISTIN P. SANDERS
ASSISTANT SECRETARY

28 December 2021

Eric Bezemek
Archaeologist
Southeast Archaeological Center
2035 E. Pirac Drive
Johnson Building, Suite120
Tallahassee, FL 32310

Re: Draft Report
La Division of Archaeology Report No. 22-6673-1
PHASE IB INVESTIGATIONS OF UNDERWATER GEOPHYSICAL ANOMALIES IDENTIFIED BY SEARCH, INC., IN ANTICIPATION OF THE CONSTRUCTION OF BREAKWATERS ALONG THE SHORELINES OF LAKES SALVADOR AND CATAOUATCHE WITHIN THE BARATARIA PRESERVE OF JEAN LAFITTE NATIONAL HISTORICAL PARK AND PRESERVE, JEFFERSON PARISH, LOUISIANA, MARCH 1-11, 2021

Dear Eric:

We acknowledge receipt of your letter dated 23 November 2021 and one copy of the above-referenced report. We have reviewed the report and offer the following comments.

Thank you for addressing previous comments our office offered after reviewing the first draft. Based on the description of the Area of Potential Effect (APE), the proposed bottom-disturbing activities, and the identification of historic properties within the APE, our office concurs with the assessment that no properties listed in or eligible for listing in the National Register of Historic Places will be adversely affected by Phase One portion of the project. We further concur that the portions of sites 16JE46, 16JE80, 16JE82, 16JE83, 16JE133, 16JE135, and 16JE189 within the APE are not eligible for listing on the National Register of Historic Places. We also concur that site 16JE238 is undetermined with respect to its eligibility for nomination to the National Register. Please note that the site number in the Abstract is incorrect (it says 16JE299, not 16JE238).

Our office will need to review the redesign of Phase Two of the project in order to assess potential impacts to site 16JE238 and provide an effect determination.

Consultation with the State Historic Preservation Office does not constitute consultation with Tribal Historic Preservation Offices, other Native American tribes, local governments, or the public. If archaeological materials are encountered during construction, the procedures codified at 36 CFR 800.13(b) will apply. Archaeological materials consist of any items, fifty years old or older, which were made or used by man. These items include but are not limited to, stone projectile points (arrowheads), ceramic sherds, bricks, worked wood, bone and stone, metal, and glass objects. The federal agency or the applicant receiving federal assistance should contact our office immediately. If human remains are encountered, the provisions of the Louisiana Unmarked Human Burial Sites Preservation Act (Revised Statute 8:671-681) should be followed.

We look forward to receiving a revised pdf and hardcopy of the report. If you have any questions, please contact Chip McGimsey at cmcgimsey@crt.la.gov or Abigail Bleichner at ableichner@crt.la.gov.

Sincerely,

Kristin P. Sanders

Kristin P Sanders
State Historic Preservation Officer

United States Department of the Interior

NATIONAL PARK SERVICE
Jean Lafitte National Historical Park and Preserve
New Orleans Jazz National Historical Park
419 Decatur Street
New Orleans, Louisiana 70130-1035

IN REPLY REFER TO:

1.A.2

Nita Battise, Chairperson
Alabama-Coushatta Tribe of Texas
571 State Park Road 56
Livingston, Texas 77351

Re: Ongoing consultation - Entergy Louisiana LLC Golden Meadow to Barataria 115 kV Electrical Transmission Line Replacement of Existing Structures

Dear Chairperson Battise,

The National Park Service's (NPS) Jean Lafitte National Historical Park and Preserve (JELA) is committed to honoring its obligations and responsibilities toward the sovereign, federally recognized Indian tribes. Federal regulations for the implementation of Section 106 of the National Historic Preservation Act of 1966 (NHPA), as amended, require consultation with federally recognized American Indian Tribes (36 CFR 800.2) on a government-to-government basis, as specified in Executive Order 13175.

This letter continues the ongoing consultation on the Golden Meadow to Barataria 115 kV Electrical Transmission Line at JELA. NPS previously initiated consultation with your designated representative on May 21, 2021. NPS proposes to issue a Construction Special Use Permit (SUP) to authorize Entergy Louisiana, LLC (Entergy) to demolish and rebuild 28 existing timber and steel support electrical transmission structures for 2.63 miles of the 115kV Barataria-Golden Meadow transmission line within an existing right of way in the NPS property boundary of the Barataria Preserve of JELA. These electrical transmission structures are part of the larger Barataria - Golden Meadows transmission line. Due to considerable damage that occurred during Hurricane Zeta in 2020 and Hurricane Ida in 2021, Entergy determined that in order for the electrical line to be operated safety the existing structures must be demolished and rebuilt. New structures would be installed in the same general locations as the existing ones within the existing right-of-way. Conventional construction methods would be utilized for installation of new structures and require tracked amphibious marsh equipment travel to each structure. Helicopters would be used for material transfer to minimize the number of ground-based equipment passes. Twenty-six (26) monopole structures would have base plated vibratory caisson foundations which would require no additional excavation and occupy a small surface area in comparison to the current structures located within the right-of-way. Two (2) Pyramax structures would be replaced within the footprints of the existing concrete pads situated at the Bayou Segnette Waterway crossing.

Only one cultural resources site is within the project area. Site 16JE80 is located on Jones Point on either side of the Bayou Segnette Waterway. This prehistoric site was determined to be ineligible for listing on the National Register of Historic Places with concurrence by the State Historic Preservation Office. In addition, the site was heavily disturbed prior to NPS ownership and the National Historic Preservation Act laws, first by dredging activity in the 1950s, later by the construction of the high voltage transmission tower in the mid-1960s, and finally with erosion.

Because new electrical transmission structures would be installed in the same general locations as the existing ones, to include the replacement of the existing transmission tower on top of site 16JE80, we believe that the proposed undertaking would not adversely affect cultural resources and that the proposed construction will have "*No Adverse Effect*" on historic properties eligible to the National Register.

As always, I would be happy to consult on a government-to-government basis with the tribal government or the tribe's identified and designated representative at any time. Guy Hughes will be contacting you or your designated representative about this project in 30 days. If you have any questions, please contact Guy Hughes, Chief, Resource Management, guy_hughes@nps.gov, 504-512-2558, or myself at 504-589-3882 ext. 108.

Sincerely,

REBECCA LASELL

Digitally signed by REBECCA LASELL
Date: 2022.03.21 09:53:38 -05'00'

Rebecca Lasell
Acting Superintendent

Cc: Bryant J. Celestine, Tribal Historic Preservation Officer

Enclosure

United States Department of the Interior

NATIONAL PARK SERVICE
Jean Lafitte National Historical Park and Preserve
New Orleans Jazz National Historical Park
419 Decatur Street
New Orleans, Louisiana 70130-1035

IN REPLY REFER TO:

1.A.2

Wilson Yargee, Chief
Alabama-Quassarte Tribal Town
Post Office Box 187
Wetumka, Oklahoma 74883

Re: Ongoing consultation - Entergy Louisiana LLC Golden Meadow to Barataria 115 kV Electrical Transmission Line Replacement of Existing Structures

Dear Chief Yargee,

The National Park Service's (NPS) Jean Lafitte National Historical Park and Preserve (JELA) is committed to honoring its obligations and responsibilities toward the sovereign, federally recognized Indian tribes. Federal regulations for the implementation of Section 106 of the National Historic Preservation Act of 1966 (NHPA), as amended, require consultation with federally recognized American Indian Tribes (36 CFR 800.2) on a government-to-government basis, as specified in Executive Order 13175.

This letter continues the ongoing consultation on the Golden Meadow to Barataria 115 kV Electrical Transmission Line at JELA. NPS previously initiated consultation with your designated representative on May 21, 2021. NPS proposes to issue a Construction Special Use Permit (SUP) to authorize Entergy Louisiana, LLC (Entergy) to demolish and rebuild 28 existing timber and steel support electrical transmission structures for 2.63 miles of the 115kV Barataria-Golden Meadow transmission line within an existing right of way in the NPS property boundary of the Barataria Preserve of JELA. These electrical transmission structures are part of the larger Barataria - Golden Meadows transmission line. Due to considerable damage that occurred during Hurricane Zeta in 2020 and Hurricane Ida in 2021, Entergy determined that in order for the electrical line to be operated safety the existing structures must be demolished and rebuilt. New structures would be installed in the same general locations as the existing ones within the existing right-of-way. Conventional construction methods would be utilized for installation of new structures and require tracked amphibious marsh equipment travel to each structure. Helicopters would be used for material transfer to minimize the number of ground-based equipment passes. Twenty-six (26) monopole structures would have base plated vibratory caisson foundations which would require no additional excavation and occupy a small surface area in comparison to the current structures located within the right-of-way. Two (2) Pyramax structures would be replaced within the footprints of the existing concrete pads situated at the Bayou Segnette Waterway crossing.

Only one cultural resources site is within the project area. Site 16JE80 is located on Jones Point on either side of the Bayou Segnette Waterway. This prehistoric site was determined to be ineligible for listing on the National Register of Historic Places with concurrence by the State Historic Preservation Office. In addition, the site was heavily disturbed prior to NPS ownership and the National Historic Preservation Act laws, first by dredging activity in the 1950s, later by the construction of the high voltage transmission tower in the mid-1960s, and finally with erosion.

Because new electrical transmission structures would be installed in the same general locations as the existing ones, to include the replacement of the existing transmission tower on top of site 16JE80, we believe that the proposed undertaking would not adversely affect cultural resources and that the proposed construction will have "*No Adverse Effect*" on historic properties eligible to the National Register.

As always, I would be happy to consult on a government-to-government basis with the tribal government or the tribe's identified and designated representative at any time. Guy Hughes will be contacting you or your designated representative about this project in 30 days. If you have any questions, please contact Guy Hughes, Chief, Resource Management, guy_hughes@nps.gov, 504-512-2558, or myself at 504-589-3882 ext. 108.

Sincerely,

REBECCA LASELL

Digitally signed by REBECCA LASELL
Date: 2022.03.21 09:54:43 -05'00'

Rebecca Lasell
Acting Superintendent

Enclosure

United States Department of the Interior

NATIONAL PARK SERVICE
Jean Lafitte National Historical Park and Preserve
New Orleans Jazz National Historical Park
419 Decatur Street
New Orleans, Louisiana 70130-1035

IN REPLY REFER TO:

1.A.2

Bobby Gonzalez, Chairman
Caddo Nation of Oklahoma
Post Office Box 487
Binger, Oklahoma 73009

Re: Ongoing consultation - Entergy Louisiana LLC Golden Meadow to Barataria 115 kV Electrical Transmission Line Replacement of Existing Structures

Dear Chairman Gonzales,

The National Park Service's (NPS) Jean Lafitte National Historical Park and Preserve (JELA) is committed to honoring its obligations and responsibilities toward the sovereign, federally recognized Indian tribes. Federal regulations for the implementation of Section 106 of the National Historic Preservation Act of 1966 (NHPA), as amended, require consultation with federally recognized American Indian Tribes (36 CFR 800.2) on a government-to-government basis, as specified in Executive Order 13175.

This letter continues the ongoing consultation on the Golden Meadow to Barataria 115 kV Electrical Transmission Line at JELA. NPS previously initiated consultation with your designated representative on May 21, 2021. NPS proposes to issue a Construction Special Use Permit (SUP) to authorize Entergy Louisiana, LLC (Entergy) to demolish and rebuild 28 existing timber and steel support electrical transmission structures for 2.63 miles of the 115kV Barataria-Golden Meadow transmission line within an existing right of way in the NPS property boundary of the Barataria Preserve of JELA. These electrical transmission structures are part of the larger Barataria - Golden Meadows transmission line. Due to considerable damage that occurred during Hurricane Zeta in 2020 and Hurricane Ida in 2021, Entergy determined that in order for the electrical line to be operated safety the existing structures must be demolished and rebuilt. New structures would be installed in the same general locations as the existing ones within the existing right-of-way. Conventional construction methods would be utilized for installation of new structures and require tracked amphibious marsh equipment travel to each structure. Helicopters would be used for material transfer to minimize the number of ground-based equipment passes. Twenty-six (26) monopole structures would have base plated vibratory caisson foundations which would require no additional excavation and occupy a small surface area in comparison to the current structures located within the right-of-way. Two (2) Pyramax structures would be replaced within the footprints of the existing concrete pads situated at the Bayou Segnette Waterway crossing.

Only one cultural resources site is within the project area. Site 16JE80 is located on Jones Point on either side of the Bayou Segnette Waterway. This prehistoric site was determined to be ineligible for listing on the National Register of Historic Places with concurrence by the State Historic Preservation Office. In addition, the site was heavily disturbed prior to NPS ownership and the National Historic Preservation Act laws, first by dredging activity in the 1950s, later by the construction of the high voltage transmission tower in the mid-1960s, and finally with erosion.

Because new electrical transmission structures would be installed in the same general locations as the existing ones, to include the replacement of the existing transmission tower on top of site 16JE80, we believe that the proposed undertaking would not adversely affect cultural resources and that the proposed construction will have "*No Adverse Effect*" on historic properties eligible to the National Register.

As always, I would be happy to consult on a government-to-government basis with the tribal government or the tribe's identified and designated representative at any time. Guy Hughes will be contacting you or your designated representative about this project in 30 days. If you have any questions, please contact Guy Hughes, Chief, Resource Management, guy_hughes@nps.gov, 504-512-2558, or myself at 504-589-3882 ext. 108.

Sincerely,

REBECCA LASELL

Digitally signed by REBECCA LASELL
Date: 2022.03.21 09:55:48 -05'00'

Rebecca Lasell
Acting Superintendent

Enclosure

United States Department of the Interior

NATIONAL PARK SERVICE
Jean Lafitte National Historical Park and Preserve
New Orleans Jazz National Historical Park
419 Decatur Street
New Orleans, Louisiana 70130-1035

IN REPLY REFER TO:

1.A.2

Melissa Darden, Chairperson
Chitimacha Tribe of Louisiana
PO Box 661
Charenton, Louisiana 70523

Re: Ongoing consultation - Entergy Louisiana LLC Golden Meadow to Barataria 115 kV Electrical Transmission Line Replacement of Existing Structures

Dear Chairperson Darden,

The National Park Service's (NPS) Jean Lafitte National Historical Park and Preserve (JELA) is committed to honoring its obligations and responsibilities toward the sovereign, federally recognized Indian tribes. Federal regulations for the implementation of Section 106 of the National Historic Preservation Act of 1966 (NHPA), as amended, require consultation with federally recognized American Indian Tribes (36 CFR 800.2) on a government-to-government basis, as specified in Executive Order 13175.

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Only one cultural resources site is within the project area. Site 16JE80 is located on Jones Point on either side of the Bayou Segnette Waterway. This prehistoric site was determined to be ineligible for listing on the National Register of Historic Places with concurrence by the State Historic Preservation Office. In addition, the site was heavily disturbed prior to NPS ownership and the National Historic Preservation Act laws, first by dredging activity in the 1950s, later by the construction of the high voltage transmission tower in the mid-1960s, and finally with erosion.

Because new electrical transmission structures would be installed in the same general locations as the existing ones, to include the replacement of the existing transmission tower on top of site 16JE80, we believe that the proposed undertaking would not adversely affect cultural resources and that the proposed construction will have "*No Adverse Effect*" on historic properties eligible to the National Register.

As always, I would be happy to consult on a government-to-government basis with the tribal government or the tribe's identified and designated representative at any time. Guy Hughes will be contacting you or your designated representative about this project in 30 days. If you have any questions, please contact Guy Hughes, Chief, Resource Management, guy_hughes@nps.gov, 504-512-2558, or myself at 504-589-3882 ext. 108.

Sincerely,

REBECCA LASELL

Digitally signed by REBECCA LASELL
Date: 2022.03.21 09:56:45 -05'00'

Rebecca Lasell
Acting Superintendent

Cc: Kimberly Walden, Tribal Historic Preservation Officer

Enclosure

United States Department of the Interior

NATIONAL PARK SERVICE
Jean Lafitte National Historical Park and Preserve
New Orleans Jazz National Historical Park
419 Decatur Street
New Orleans, Louisiana 70130-1035

IN REPLY REFER TO:

1.A.2

Gary Batton, Chief
The Choctaw Nation of Oklahoma
Post Office Drawer 1210
Durant, Oklahoma 74701

Re: Ongoing consultation - Entergy Louisiana LLC Golden Meadow to Barataria 115 kV Electrical Transmission Line Replacement of Existing Structures

Dear Chief Batton,

The National Park Service's (NPS) Jean Lafitte National Historical Park and Preserve (JELA) is committed to honoring its obligations and responsibilities toward the sovereign, federally recognized Indian tribes. Federal regulations for the implementation of Section 106 of the National Historic Preservation Act of 1966 (NHPA), as amended, require consultation with federally recognized American Indian Tribes (36 CFR 800.2) on a government-to-government basis, as specified in Executive Order 13175.

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Sincerely,

REBECCA LASELL

Digitally signed by REBECCA LASELL
Date: 2022.03.21 09:57:37 -05'00'

Rebecca Lasell
Acting Superintendent

Cc: Lindsey Bilyeu, Senior Compliance Review Officer, Historic Preservation Department

Enclosure

United States Department of the Interior

NATIONAL PARK SERVICE
Jean Lafitte National Historical Park and Preserve
New Orleans Jazz National Historical Park
419 Decatur Street
New Orleans, Louisiana 70130-1035

IN REPLY REFER TO:

1.A.2

Jonathan Cernek, Tribal Chairman
Coushatta Tribe of Louisiana
Post Office Box 10
Elton, Louisiana 70532

Re: Ongoing consultation - Entergy Louisiana LLC Golden Meadow to Barataria 115 kV Electrical Transmission Line Replacement of Existing Structures

Dear Chairman Cernek,

The National Park Service's (NPS) Jean Lafitte National Historical Park and Preserve (JELA) is committed to honoring its obligations and responsibilities toward the sovereign, federally recognized Indian tribes. Federal regulations for the implementation of Section 106 of the National Historic Preservation Act of 1966 (NHPA), as amended, require consultation with federally recognized American Indian Tribes (36 CFR 800.2) on a government-to-government basis, as specified in Executive Order 13175.

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Sincerely,

REBECCA LASELL

Digitally signed by REBECCA LASELL
Date: 2022.03.21 09:58:51 -05'00'

Rebecca Lasell
Acting Superintendent

Cc: Kristian Poncho, Acting Tribal Historic Preservation Officer

Enclosure

United States Department of the Interior

NATIONAL PARK SERVICE
Jean Lafitte National Historical Park and Preserve
New Orleans Jazz National Historical Park
419 Decatur Street
New Orleans, Louisiana 70130-1035

IN REPLY REFER TO:

1.A.2

Glenna Wallace, Chief
Eastern Shawnee Tribe of Oklahoma
Post Office Box 350
Seneca, Missouri 64865

Re: Ongoing consultation - Entergy Louisiana LLC Golden Meadow to Barataria 115 kV Electrical Transmission Line Replacement of Existing Structures

Dear Chief Wallace,

The National Park Service's (NPS) Jean Lafitte National Historical Park and Preserve (JELA) is committed to honoring its obligations and responsibilities toward the sovereign, federally recognized Indian tribes. Federal regulations for the implementation of Section 106 of the National Historic Preservation Act of 1966 (NHPA), as amended, require consultation with federally recognized American Indian Tribes (36 CFR 800.2) on a government-to-government basis, as specified in Executive Order 13175.

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As always, I would be happy to consult on a government-to-government basis with the tribal government or the tribe's identified and designated representative at any time. Guy Hughes will be contacting you or your designated representative about this project in 30 days. If you have any questions, please contact Guy Hughes, Chief, Resource Management, guy_hughes@nps.gov, 504-512-2558, or myself at 504-589-3882 ext. 108.

Sincerely,

REBECCA LASELL

Digitally signed by REBECCA LASELL
Date: 2022.03.21 09:51:37 -05'00'

Rebecca Lasell
Acting Superintendent

Cc: Paul Barton, Tribal Historic Preservation Officer

Enclosure

United States Department of the Interior

NATIONAL PARK SERVICE
Jean Lafitte National Historical Park and Preserve
New Orleans Jazz National Historical Park
419 Decatur Street
New Orleans, Louisiana 70130-1035

IN REPLY REFER TO:

1.A.2

B. Cheryl Smith, Tribal Chief
Jena Band of Choctaw Indians
Post Office Box 14
Jena, Louisiana 71342

Re: Ongoing consultation - Entergy Louisiana LLC Golden Meadow to Barataria 115 kV Electrical Transmission Line Replacement of Existing Structures

Dear Chief Smith,

The National Park Service's (NPS) Jean Lafitte National Historical Park and Preserve (JELA) is committed to honoring its obligations and responsibilities toward the sovereign, federally recognized Indian tribes. Federal regulations for the implementation of Section 106 of the National Historic Preservation Act of 1966 (NHPA), as amended, require consultation with federally recognized American Indian Tribes (36 CFR 800.2) on a government-to-government basis, as specified in Executive Order 13175.

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Sincerely,

REBECCA LASELL

Digitally signed by REBECCA LASELL
Date: 2022.03.21 10:00:03 -05'00'

Rebecca Lasell
Acting Superintendent

Cc: Johnna Flynn, Interim Tribal Historic Preservation Officer

Enclosure

United States Department of the Interior

NATIONAL PARK SERVICE
Jean Lafitte National Historical Park and Preserve
New Orleans Jazz National Historical Park
419 Decatur Street
New Orleans, Louisiana 70130-1035

IN REPLY REFER TO:

1.A.2

Brian Givens, Mekko
Kialegee Tribal Town
Post Office Box 332
Wetumka, Oklahoma 74883

Re: Ongoing consultation - Entergy Louisiana LLC Golden Meadow to Barataria 115 kV Electrical Transmission Line Replacement of Existing Structures

Dear Mekko Givens,

The National Park Service's (NPS) Jean Lafitte National Historical Park and Preserve (JELA) is committed to honoring its obligations and responsibilities toward the sovereign, federally recognized Indian tribes. Federal regulations for the implementation of Section 106 of the National Historic Preservation Act of 1966 (NHPA), as amended, require consultation with federally recognized American Indian Tribes (36 CFR 800.2) on a government-to-government basis, as specified in Executive Order 13175.

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Sincerely,

REBECCA LASELL
Digitally signed by REBECCA LASELL
Date: 2022.03.21 10:06:50 -05'00'

Rebecca Lasell
Acting Superintendent

Cc: David Cook, Tribal Adminstrator

Enclosure

United States Department of the Interior

NATIONAL PARK SERVICE
Jean Lafitte National Historical Park and Preserve
New Orleans Jazz National Historical Park
419 Decatur Street
New Orleans, Louisiana 70130-1035

IN REPLY REFER TO:

1.A.2

Cyrus Ben, Tribal Chief
Mississippi Band of Choctaw Indians
PO Box 6010
Choctaw, Mississippi 39350

Re: Ongoing consultation - Entergy Louisiana LLC Golden Meadow to Barataria 115 kV Electrical Transmission Line Replacement of Existing Structures

Dear Chief Ben,

The National Park Service's (NPS) Jean Lafitte National Historical Park and Preserve (JELA) is committed to honoring its obligations and responsibilities toward the sovereign, federally recognized Indian tribes. Federal regulations for the implementation of Section 106 of the National Historic Preservation Act of 1966 (NHPA), as amended, require consultation with federally recognized American Indian Tribes (36 CFR 800.2) on a government-to-government basis, as specified in Executive Order 13175.

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Sincerely,

REBECCA LASELL

Digitally signed by REBECCA LASELL
Date: 2022.03.21 10:07:43 -05'00'

Rebecca Lasell
Acting Superintendent

Cc: Kenneth H. Carleton, Tribal Historic Preservation Officer

Enclosure

United States Department of the Interior

NATIONAL PARK SERVICE
Jean Lafitte National Historical Park and Preserve
New Orleans Jazz National Historical Park
419 Decatur Street
New Orleans, Louisiana 70130-1035

IN REPLY REFER TO:

1.A.2

Stephanie A. Bryan, Tribal Chair
Poarch Band of Creek Indians
5811 Jack Springs Road
Atmore, Alabama 36502

Re: Ongoing consultation - Entergy Louisiana LLC Golden Meadow to Barataria 115 kV Electrical Transmission Line Replacement of Existing Structures

Dear Chairwoman Bryan,

The National Park Service's (NPS) Jean Lafitte National Historical Park and Preserve (JELA) is committed to honoring its obligations and responsibilities toward the sovereign, federally recognized Indian tribes. Federal regulations for the implementation of Section 106 of the National Historic Preservation Act of 1966 (NHPA), as amended, require consultation with federally recognized American Indian Tribes (36 CFR 800.2) on a government-to-government basis, as specified in Executive Order 13175.

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Sincerely,

REBECCA LASELL

Digitally signed by REBECCA LASELL
Date: 2022.03.21 10:08:36 -05'00'

Rebecca Lasell
Acting Superintendent

Cc: Larry Haikey, Tribal Historic Preservation Officer

Enclosure

United States Department of the Interior

NATIONAL PARK SERVICE
Jean Lafitte National Historical Park and Preserve
New Orleans Jazz National Historical Park
419 Decatur Street
New Orleans, Louisiana 70130-1035

IN REPLY REFER TO:

1.A.2

Lewis Johnson, Principal Chief
Seminole Nation of Oklahoma
PO Box 1498
Wewoka, Oklahoma 74884

Re: Ongoing consultation - Entergy Louisiana LLC Golden Meadow to Barataria 115 kV Electrical Transmission Line Replacement of Existing Structures

Dear Principal Chief Johnson,

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Sincerely,

REBECCA LASELL

Digitally signed by REBECCA LASELL
Date: 2022.03.21 10:10:30 -05'00'

Rebecca Lasell
Acting Superintendent

Cc: Ben Yahola, Tribal Historic Preservation Officer

Enclosure

United States Department of the Interior

NATIONAL PARK SERVICE
Jean Lafitte National Historical Park and Preserve
New Orleans Jazz National Historical Park
419 Decatur Street
New Orleans, Louisiana 70130-1035

IN REPLY REFER TO:

1.A.2

Marcellus W. Osceola, Chairman
Seminole Tribe of Florida
30290 Josie Billie Highway PMB 1004
Clewiston, Florida 33440

Re: Ongoing consultation - Entergy Louisiana LLC Golden Meadow to Barataria 115 kV Electrical Transmission Line Replacement of Existing Structures

Dear Chairman Osceola,

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Sincerely,

REBECCA LASELL
Digitally signed by REBECCA LASELL
Date: 2022.03.21 10:11:22 -05'00'

Rebecca Lasell
Acting Superintendent

Cc: Bradley Mueller, Compliance Review Specialist

Enclosure

United States Department of the Interior

NATIONAL PARK SERVICE
Jean Lafitte National Historical Park and Preserve
New Orleans Jazz National Historical Park
419 Decatur Street
New Orleans, Louisiana 70130-1035

IN REPLY REFER TO:

1.A.2

Marshall Pierite, Chairman
Tunica-Biloxi Indian Tribe of Louisiana
Post Office Box 1589
Marksville, Louisiana 71351

Re: Ongoing consultation - Entergy Louisiana LLC Golden Meadow to Barataria 115 kV Electrical Transmission Line Replacement of Existing Structures

Dear Chairman Pierite,

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Sincerely,

REBECCA LASELL

Digitally signed by REBECCA LASELL
Date: 2022.03.21 10:12:12 -05'00'

Rebecca Lasell
Acting Superintendent

Cc: Earl J. Barbry, Jr., Tribal Historic Preservation Officer

Enclosure

United States Department of the Interior

NATIONAL PARK SERVICE
Jean Lafitte National Historical Park and Preserve
New Orleans Jazz National Historical Park
419 Decatur Street
New Orleans, Louisiana 70130-1035

IN REPLY REFER TO:

1.A.2

Ryan Morrow, Mekko
Thlopthlocco Tribal Town
Post Office Box 188
Okemah, Oklahoma 74859

Re: Ongoing consultation - Entergy Louisiana LLC Golden Meadow to Barataria 115 kV Electrical Transmission Line Replacement of Existing Structures

Dear Mekko Morrow,

The National Park Service's (NPS) Jean Lafitte National Historical Park and Preserve (JELA) is committed to honoring its obligations and responsibilities toward the sovereign, federally recognized Indian tribes. Federal regulations for the implementation of Section 106 of the National Historic Preservation Act of 1966 (NHPA), as amended, require consultation with federally recognized American Indian Tribes (36 CFR 800.2) on a government-to-government basis, as specified in Executive Order 13175.

This letter continues the ongoing consultation on the Golden Meadow to Barataria 115 kV Electrical Transmission Line at JELA. NPS previously initiated consultation with your designated representative on May 21, 2021. NPS proposes to issue a Construction Special Use Permit (SUP) to authorize Entergy Louisiana, LLC (Entergy) to demolish and rebuild 28 existing timber and steel support electrical transmission structures for 2.63 miles of the 115kV Barataria-Golden Meadow transmission line within an existing right of way in the NPS property boundary of the Barataria Preserve of JELA. These electrical transmission structures are part of the larger Barataria - Golden Meadows transmission line. Due to considerable damage that occurred during Hurricane Zeta in 2020 and Hurricane Ida in 2021, Entergy determined that in order for the electrical line to be operated safety the existing structures must be demolished and rebuilt. New structures would be installed in the same general locations as the existing ones within the existing right-of-way. Conventional construction methods would be utilized for installation of new structures and require tracked amphibious marsh equipment travel to each structure. Helicopters would be used for material transfer to minimize the number of ground-based equipment passes. Twenty-six (26) monopole structures would have base plated vibratory caisson foundations which would require no additional excavation and occupy a small surface area in comparison to the current structures located within the right-of-way. Two (2) Pyramax structures would be replaced within the footprints of the existing concrete pads situated at the Bayou Segnette Waterway crossing.

Only one cultural resources site is within the project area. Site 16JE80 is located on Jones Point on either side of the Bayou Segnette Waterway. This prehistoric site was determined to be ineligible for listing on the National Register of Historic Places with concurrence by the State Historic Preservation Office. In addition, the site was heavily disturbed prior to NPS ownership and the National Historic Preservation Act laws, first by dredging activity in the 1950s, later by the construction of the high voltage transmission tower in the mid-1960s, and finally with erosion.

Because new electrical transmission structures would be installed in the same general locations as the existing ones, to include the replacement of the existing transmission tower on top of site 16JE80, we believe that the proposed undertaking would not adversely affect cultural resources and that the proposed construction will have "*No Adverse Effect*" on historic properties eligible to the National Register.

As always, I would be happy to consult on a government-to-government basis with the tribal government or the tribe's identified and designated representative at any time. Guy Hughes will be contacting you or your designated representative about this project in 30 days. If you have any questions, please contact Guy Hughes, Chief, Resource Management, guy_hughes@nps.gov, 504-512-2558, or myself at 504-589-3882 ext. 108.

Sincerely,

REBECCA LASELL

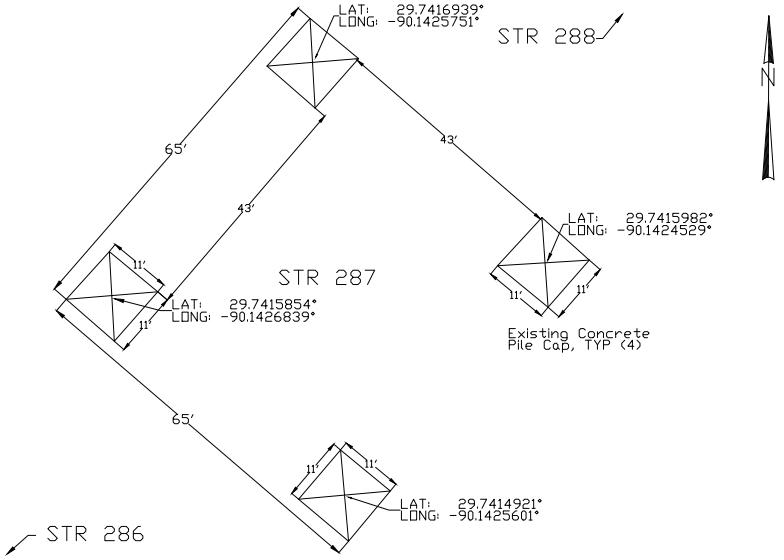
Digitally signed by REBECCA LASELL
Date: 2022.03.21 10:15:45 -05'00'

Rebecca Lasell
Acting Superintendent

Cc: Galen Cloud, Tribal Historic Preservation Officer

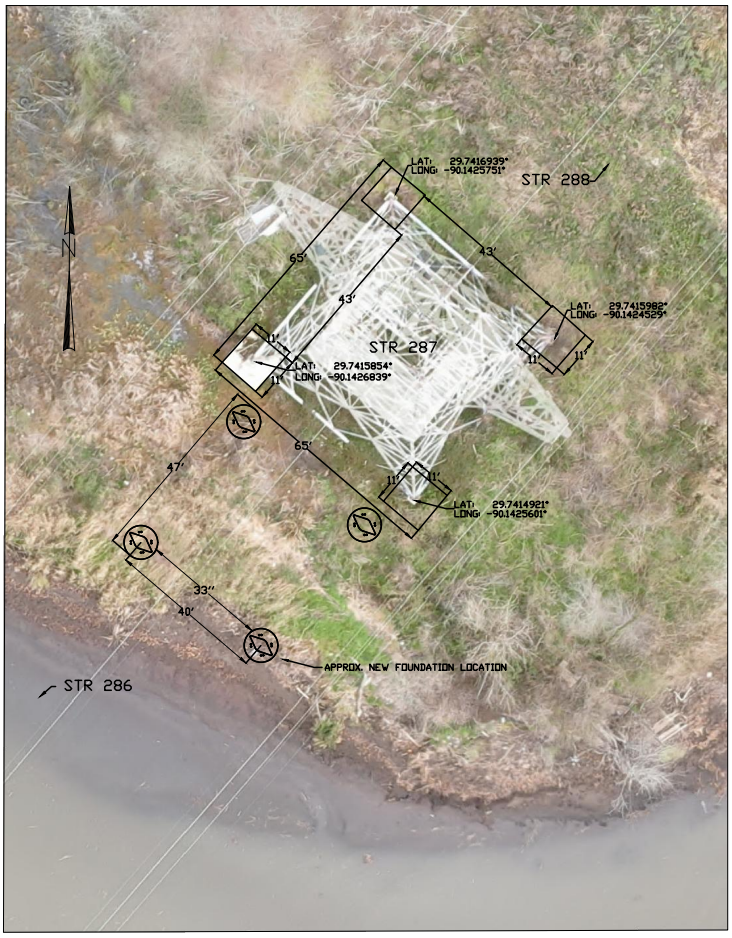
Enclosure

Figure 1. View of existing powerline structures and the Jones Point site (JELA-80/16JE80) from Bayou Villars in the Gulf Intracoastal Waterway (GIWW).



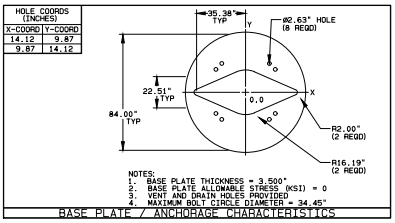
Existing Foundation Detail

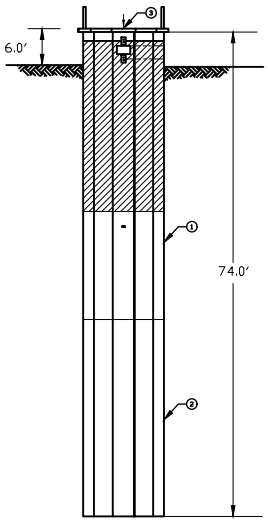
Structure 287
Approximate Proposed
Foundation Location



PROPOSED PLAN VIEW

NEW FOUNDATION DETAIL





SECTION INFORMATION					
ITEM ID	LENGTH	BASE OD	TOP OD	THK	MATL
1	37'- 0.00"	78.00"	78.00"	0.625"	A572 65 KSI
2	37'- 0.00"	78.00"	78.00"	0.625"	A572 65 KSI

ITEM ID	NO. REQD	FEATURES	UNIT WEIGHT (LBS)	WEIGHT (LBS)
1	1	SECTION A VALMONT S-22 0.625" THK (A572 GR65)	19,490	19,490
2	1	SECTION A VALMONT S-22 0.625" THK (A572 GR65)	19,490	19,490
3	1	BASE PLATE VALMONT S-56 3.500" THK (A572 GR50)	4,193	4,193
		GALVANIZING	448	448
	1	EXTERIOR COAL TAR 20 MILS (LENGTH = 15.50')		
	2	GROUND PLATE	5	10
	1	POLE CAP	263	263

ENTERGY LOUISIANNA, LLC.

Golden Meadow – Barataria
Structure 287 NPS
Plan & Profile

JOB NO. C6PPTLC040 | SCALE: NTS

Entergy

No. L0172E02

PLOT NTS | SH. 1 OF 1

NO.	DATE:	REVISION	BY:	CHK:	APPR:
0	02-28-22	DRAWING ISSUED	LCW		

L. WERNER 02/28/2022

APPENDIX 9
SOCIOECONOMIC RESOURCES

An official website of the United States government

United States Census Bureau

QuickFacts

Jefferson Parish, Louisiana

QuickFacts provides statistics for all states and counties, and for cities and towns with a ***population of 5,000 or more***.

Table

All Topics	Jefferson Parish, Louisiana
Population Estimates, July 1 2021, (V2021)	**433,688**
PEOPLE	
Population	
Population Estimates, July 1 2021, (V2021)	**433,688**
Population estimates base, April 1, 2020, (V2021)	440,781
Population, percent change - April 1, 2020 (estimates base) to July 1, 2021, (V2021)	-1.6%
Population, Census, April 1, 2020	440,781
Population, Census, April 1, 2010	432,552
Age and Sex	
Persons under 5 years, percent	6.2%
Persons under 18 years, percent	22.2%
Persons 65 years and over, percent	18.4%
Female persons, percent	51.5%
Race and Hispanic Origin	
White alone, percent	64.0%
Black or African American alone, percent (a)	28.9%
American Indian and Alaska Native alone, percent (a)	0.7%
Asian alone, percent (a)	4.5%
Native Hawaiian and Other Pacific Islander alone, percent (a)	0.1%
Two or More Races, percent	1.9%
Hispanic or Latino, percent (b)	15.3%
White alone, not Hispanic or Latino, percent	50.9%
Population Characteristics	
Veterans, 2016-2020	19,883
Foreign born persons, percent, 2016-2020	13.1%
Housing	
Housing units, July 1, 2021, (V2021)	194,137
Owner-occupied housing unit rate, 2016-2020	62.7%

Median value of owner-occupied housing units, 2016-2020	$193,600
Median selected monthly owner costs -with a mortgage, 2016-2020	$1,439
Median selected monthly owner costs -without a mortgage, 2016-2020	$402
Median gross rent, 2016-2020	$986
Building permits, 2021	995
Families & Living Arrangements	
Households, 2016-2020	170,398
Persons per household, 2016-2020	2.53
Living in same house 1 year ago, percent of persons age 1 year+, 2016-2020	88.8%
Language other than English spoken at home, percent of persons age 5 years+, 2016-2020	18.2%
Computer and Internet Use	
Households with a computer, percent, 2016-2020	89.1%
Households with a broadband Internet subscription, percent, 2016-2020	81.2%
Education	
High school graduate or higher, percent of persons age 25 years+, 2016-2020	86.4%
Bachelor's degree or higher, percent of persons age 25 years+, 2016-2020	27.6%
Health	
With a disability, under age 65 years, percent, 2016-2020	10.1%
Persons without health insurance, under age 65 years, percent	⚠ 12.9%
Economy	
In civilian labor force, total, percent of population age 16 years+, 2016-2020	63.1%
In civilian labor force, female, percent of population age 16 years+, 2016-2020	59.0%
Total accommodation and food services sales, 2017 ($1,000) (c)	1,394,848
Total health care and social assistance receipts/revenue, 2017 ($1,000) (c)	4,091,166
Total transportation and warehousing receipts/revenue, 2017 ($1,000) (c)	1,984,952
Total retail sales, 2017 ($1,000) (c)	8,987,595
Total retail sales per capita, 2017 (c)	$20,587
Transportation	
Mean travel time to work (minutes), workers age 16 years+, 2016-2020	24.7
Income & Poverty	
Median household income (in 2020 dollars), 2016-2020	$54,825
Per capita income in past 12 months (in 2020 dollars), 2016-2020	$32,939
Persons in poverty, percent	⚠ 16.1%

BUSINESSES

Businesses	
Total employer establishments, 2020	11,644
Total employment, 2020	178,451
Total annual payroll, 2020 ($1,000)	8,750,843
Total employment, percent change, 2019-2020	-1.1%

Total nonemployer establishments, 2019	46,954
All employer firms, Reference year 2017	9,642
Men-owned employer firms, Reference year 2017	5,653
Women-owned employer firms, Reference year 2017	1,546
Minority-owned employer firms, Reference year 2017	1,332
Nonminority-owned employer firms, Reference year 2017	7,124
Veteran-owned employer firms, Reference year 2017	687
Nonveteran-owned employer firms, Reference year 2017	7,522

GEOGRAPHY

Geography	
Population per square mile, 2020	1,464.6
Population per square mile, 2010	1,463.1
Land area in square miles, 2020	300.95
Land area in square miles, 2010	295.63
FIPS Code	22051

About datasets used in this table

Value Notes

⚠ Estimates are not comparable to other geographic levels due to methodology differences that may exist between different data sources.

Some estimates presented here come from sample data, and thus have sampling errors that may render some apparent differences between geographies statistically indistinguishable. Click the Quick Info ⓘ icon to the left of each row in TABLE view to learn about sampling error.

The vintage year (e.g., V2021) refers to the final year of the series (2020 thru 2021). Different vintage years of estimates are not comparable.

Users should exercise caution when comparing 2016-2020 ACS 5-year estimates to other ACS estimates. For more information, please visit the 2020 5-year ACS Comparison Guidance page.

Fact Notes

(a) Includes persons reporting only one race
(c) Economic Census - Puerto Rico data are not comparable to U.S. Economic Census data
(b) Hispanics may be of any race, so also are included in applicable race categories

Value Flags

- Either no or too few sample observations were available to compute an estimate, or a ratio of medians cannot be calculated because one or both of the median estimates falls in the lowest or upper interval of an open ended distribution.
F Fewer than 25 firms
D Suppressed to avoid disclosure of confidential information
N Data for this geographic area cannot be displayed because the number of sample cases is too small.
FN Footnote on this item in place of data
X Not applicable
S Suppressed; does not meet publication standards
NA Not available
Z Value greater than zero but less than half unit of measure shown

QuickFacts data are derived from: Population Estimates, American Community Survey, Census of Population and Housing, Current Population Survey, Small Area Health Insurance Estimates, Small Area Income and Poverty Estimates, State and County Housing Unit Estimates, County Business Patterns, Nonemployer Statistics, Economic Census, Survey of Business Owners, Building Permits.

Louisiana Nonattainment/Maintenance Status for Each County by Year for All Criteria Pollutants

Data is current as of September 30, 2022

Listed by County, NAAQS, Area. The 8-hour Ozone (1997) standard was revoked on April 6, 2015 and the 1-hour Ozone (1979) standard was revoked on June 15, 2005.

* The 1997 Primary Annual PM-2.5 NAAQS (level of 15 μg/m^3) is revoked in attainment and maintenance areas for that NAAQS. For additional information see the PM-2.5 NAAQS SIP Requirements Final Rule, effective October 24, 2016. (81 FR 58009)

Change the State:
LOUISIANA GO

Important Notes

Download National Dataset: dbf | xls | Data dictionary (PDF)

County	NAAQS	Area Name	Nonattainment in Year	Redesignation to Maintenance	Classification	Whole or/ Part County	Population (2010)	State/ County FIPS Codes
LOUISIANA								
Ascension Parish	1-Hour Ozone (1979)-NAAQS revoked	Baton Rouge, LA	92939495969798990001020304	/ /	Severe-15	Whole	107,215	22/005
Ascension Parish	8-Hour Ozone (1997)-NAAQS revoked	Baton Rouge, LA	04050607080910	12/30/2011	Moderate	Whole	107,215	22/005
Ascension Parish	8-Hour Ozone (2008)	Baton Rouge, LA	12131415 16	03/21/2017	Marginal	Whole	107,215	22/005
Beauregard Parish	1-Hour Ozone (1979)-NAAQS revoked	Beauregard Parish, LA	929394	10/17/1995	Incomplete Data	Whole	35,654	22/011
Calcasieu Parish	1-Hour Ozone (1979)-NAAQS revoked	Lake Charles, LA	9293949596	06/02/1997	Marginal	Whole	192,768	22/019
East Baton Rouge Parish	1-Hour Ozone (1979)-NAAQS revoked	Baton Rouge, LA	92939495969798990001020304	/ /	Severe-15	Whole	440,171	22/033
East Baton Rouge Parish	8-Hour Ozone (1997)-NAAQS revoked	Baton Rouge, LA	04050607080910	12/30/2011	Moderate	Whole	440,171	22/033
East Baton Rouge Parish	8-Hour Ozone (2008)	Baton Rouge, LA	12131415 16	03/21/2017	Marginal	Whole	440,171	22/033
Evangeline Parish	Sulfur Dioxide (2010)	Evangeline Parish (Partial), LA	18192021 22	/ /		Part	124	22/039
Grant Parish	1-Hour Ozone (1979)-NAAQS revoked	Grant Parish, LA	929394	10/17/1995	Incomplete Data	Whole	22,309	22/043
Iberville Parish	1-Hour Ozone (1979)-NAAQS revoked	Baton Rouge, LA	92939495969798990001020304	/ /	Severe-15	Whole	33,387	22/047
Iberville Parish	8-Hour Ozone (1997)-NAAQS revoked	Baton Rouge, LA	04050607080910	12/30/2011	Moderate	Whole	33,387	22/047
Iberville Parish	8-Hour Ozone (2008)	Baton Rouge, LA	12131415 16	03/21/2017	Marginal	Whole	33,387	22/047

County	NAAQS	Area Name	Nonattainment in Year	Redesignation to Maintenance	Classification	Whole or/ Part County	Population (2010)	State/ County FIPS Codes
Jefferson Parish	1-Hour Ozone (1979)-NAAQS revoked	New Orleans, LA	929394	12/01/1995	Section 185A	Whole	432,552	22/051
Lafayette Parish	1-Hour Ozone (1979)-NAAQS revoked	Lafayette, LA	929394	10/17/1995	Section 185A	Whole	221,578	22/055
Lafourche Parish	1-Hour Ozone (1979)-NAAQS revoked	Lafourche Parish, LA	92939495969798990001	02/25/2002	Incomplete Data	Whole	96,318	22/057
Livingston Parish	1-Hour Ozone (1979)-NAAQS revoked	Baton Rouge, LA	929394959697989900010203 04	/ /	Severe-15	Whole	128,026	22/063
Livingston Parish	8-Hour Ozone (1997)-NAAQS revoked	Baton Rouge, LA	040506070809 10	12/30/2011	Moderate	Whole	128,026	22/063
Livingston Parish	8-Hour Ozone (2008)	Baton Rouge, LA	12131415 16	03/21/2017	Marginal	Whole	128,026	22/063
Orleans Parish	1-Hour Ozone (1979)-NAAQS revoked	New Orleans, LA	929394	12/01/1995	Section 185A	Whole	343,829	22/071
Pointe Coupee Parish	1-Hour Ozone (1979)-NAAQS revoked	Pointe Coupee Parish, LA	92939495	12/20/1996	Marginal	Whole	22,802	22/077
St. Bernard Parish	1-Hour Ozone (1979)-NAAQS revoked	New Orleans, LA	929394	12/01/1995	Section 185A	Whole	35,897	22/087
St. Bernard Parish	Sulfur Dioxide (2010)	St. Bernard Parish, LA	13141516171819202122	/ /		Whole	35,897	22/087
St. Charles Parish	1-Hour Ozone (1979)-NAAQS revoked	New Orleans, LA	929394	12/01/1995	Section 185A	Whole	52,780	22/089
St. James Parish	1-Hour Ozone (1979)-NAAQS revoked	St. James Parish, LA	929394	11/13/1995	Incomplete Data	Whole	22,102	22/093
St. Mary Parish	1-Hour Ozone (1979)-NAAQS revoked	St. Mary Parish, LA	929394	10/17/1995	Incomplete Data	Whole	54,650	22/101
West Baton Rouge Parish	1-Hour Ozone (1979)-NAAQS revoked	Baton Rouge, LA	929394959697989900010203 04	/ /	Severe-15	Whole	23,788	22/121
West Baton Rouge Parish	8-Hour Ozone (1997)-NAAQS revoked	Baton Rouge, LA	040506070809 10	12/30/2011	Moderate	Whole	23,788	22/121
West Baton Rouge Parish	8-Hour Ozone (2008)	Baton Rouge, LA	12131415 16	03/21/2017	Marginal	Whole	23,788	22/121

Important Notes

Discover. **Connect.** **Ask.**

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2022-09-30

APPENDIX 10
VISUAL IMPACT ANALYSIS REPORT

VISUAL IMPACT ANALYSIS (VIA)

A VIA was conducted in order to evaluate the level of aesthetic impacts caused by the proposed project. Visual impacts are defined as changes to the scenic attributes of the landscape brought about by the introduction of visual contrasts (development) and the associated changes in the human visual experience of the landscape. This VIA was conducted to provide a baseline as described below.

Visual Characteristics and Sources of Visual Contrast

The visibility of an object in a landscape setting and its apparent visual characteristics for any given view are the result of a complex interplay among the observer, the observed object, and various factors that affect visual perception. These factors are referred to as visibility factors. There are eight (8) main types of visibility factors that affect perception of large objects in the landscape. Visibility factors include viewer characteristics, viewshed limiting factors, lighting, atmospheric conditions, distance, viewing geometry, backdrop, and object visual characteristics.

Viewshed limiting factors related to this project are described in the section below and typically include topography, vegetation, structures, viewer height, target height, and earth curvature.

Intensity and distribution of lighting can have a significant effect on the color and visibility of objects in a distance. Sun angle and intensity dictated by the time of day, season, and weather can affect the visual contrast of objects typically visible within a watershed.

Atmospheric conditions may affect an object's visibility when water vapor and/or particulate matter are present. JELA Barataria Preserve is located within a climate that experiences high humidity levels throughout a large portion of the year. In addition, the highly developed city of New Orleans and surrounding industrialized areas along the Mississippi River are situated approximately 10 miles north of the Golden Meadow-Barataria Transmission Line. Dust, air pollution, and other particles could potentially be present in the atmosphere and diminish the contrast and subdue colors of objects at a distance. Visibility can be highly limited in this area on humid days with high levels of particulate matter.

Distance affects the apparent size and degree of contrast between an object and its surroundings. The distance between the accessible observation points and the transmission line would remain unchanged for this project. Both the existing and proposed structure types are easily visible with the naked eye under normal weather and atmospheric conditions.

Viewing geometry refers to the spatial relationship of the viewer to the viewed object. Viewing geometry changes negligibly as a park visitor travels across various vantage points along the waterways and highway.

The backdrop against which the transmission structures are viewed can affect their visibility. Some structures visible from LA Hwy 301. and residential areas on Jones Point are situated in front of a tree line which provides a backdrop that reduces visibility. The ability of the tree line to diminish visibility of the structures would be limited due to the height of the proposed monopole structures.

The visual characteristics of the proposed powerline structures consist primarily of size, geometry, and color and texture. Motion and lighting are not typical characteristics of electrical transmission line structures. Current structures within the Preserve visible from LA Hwy 301. and residential

areas on Jones Point consist of two types of construction. Powerline supports are either approximately 50 feet tall, have an H-type configuration, and are dark brown in color or have a 85 ft. monopole configuration and light gray finish. Larger lattice structures extend approximately 250 feet above the ground and also have a light gray finish.

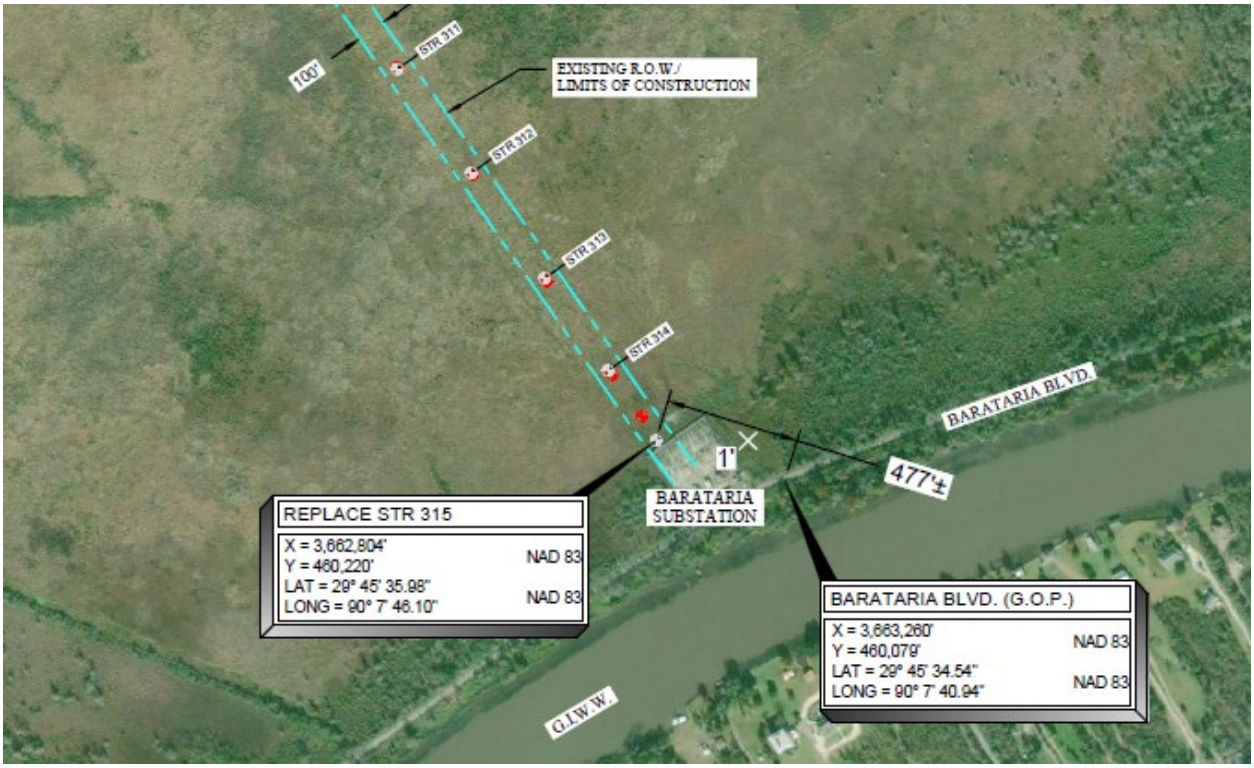
Visibility and Viewshed Analysis

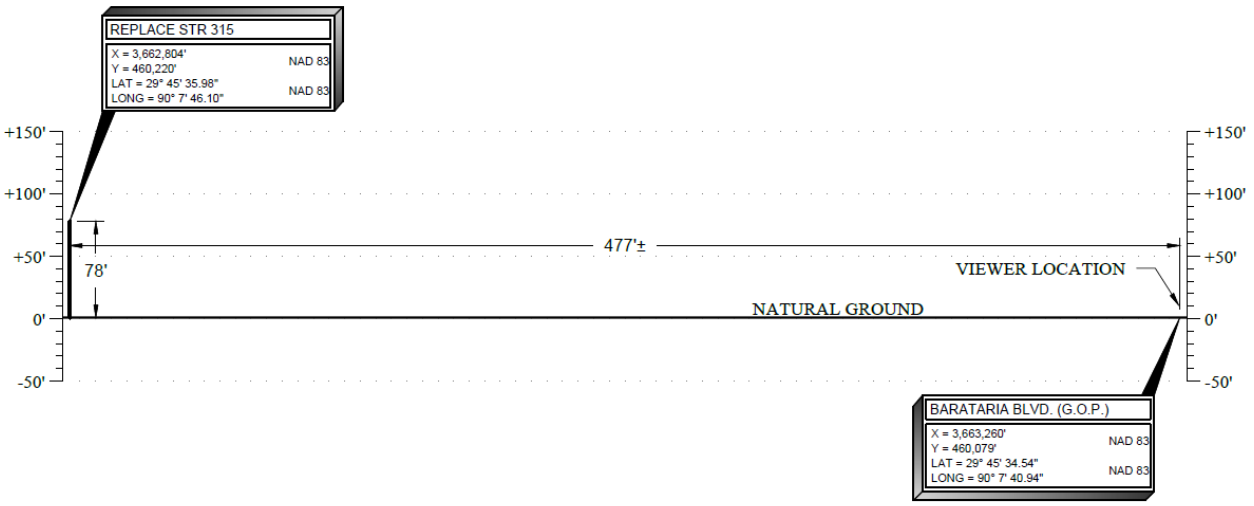
A viewshed is defined as the areas visible from a given point or points. Factors such as topography, vegetation, and structures can affect visibility within a viewshed between the observation points and project area. Evaluation of existing LIDAR data revealed that the ground elevations at LA Hwy 301 and residential areas on Jones Point and transmission line structures along the ROW are relatively equal (ranging from +1-4 foot NAVD). An onsite visual analysis was conducted, and it was determined that approximately 24 existing structures associated with the transmission line are currently within the viewshed of these observation areas. The existing structures are comprised of wooden H-frame structures, steel monopole structures, and steel lattice structures. Visual obstructions exist between the observation areas and five (5) existing pole structures in the form of low lying marsh vegetation and trees.

Identifying General Observation Points (GOP)

The project would involve demolishing and replacing structures visible from LA Hwy 301. and residential properties within the neighborhood of Jones Point; however, these are not considered Key Observation Points (KOP) in this Visual Impact Analysis. Figure 1 depicts LA Hwy 301. in relation to the nearest structures within the viewscape.

Figure 1. Section and Plan Views of Viewscape from LA Hwy 301.





Viewers and Viewer Sensitivity

Park visitors have the potential to utilize LA Hwy 301. throughout the year. The majority of these individuals are tourists. Visitors to units of the National Park System travel from nearby gateway communities as well as from international locations. They generally expect to see pristine viewsheds. Although these towers would create a slightly different viewshed for any type of visitor, they are not new to the landscape. The current viewscape includes some monopole and lattice structures. The proposed project therefore would not represent a drastic change to the viewing experience.

Visual Contrasts

The project area is located almost entirely within a freshwater marsh area inside an existing electrical transmission line ROW ranging from 100 ft. to 175 ft. wide. The present construction contains H-frame wooden structures, steel monopole structures, and steel lattice structures comparable in size and appearance to what is being proposed. The area of primary impact is best characterized by flat terrain of undeveloped freshwater marsh broken by tree lines with little or no visible structures outside of the electrical infrastructure already in place.

Scope and Methodology

A Visual Impact Analysis was conducted in accordance to the NPS “Guide to Evaluating Visual Impact Assessments for Renewable Energy Projects” (August 2014). Realistic photographic representation was used as a methodology to assess the visual impacts associated with the proposed action. Photographs were used to compare the visual contrasts between the existing and proposed structures visible from the general observation areas.

Impacting Activities

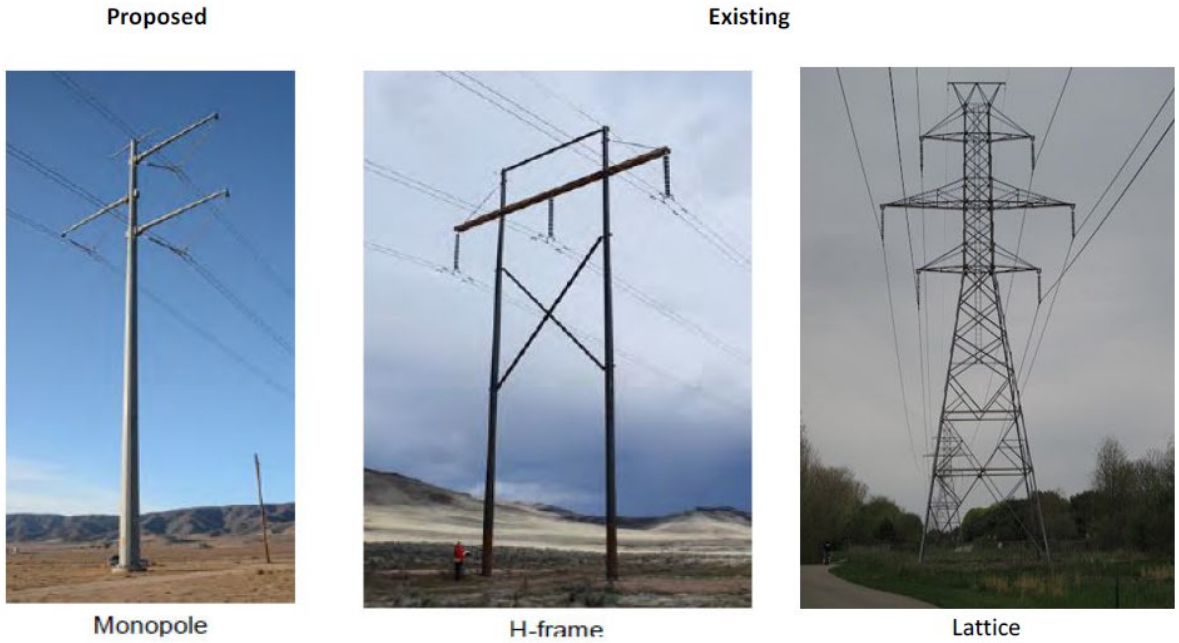
Under the Action Alternative, Entergy proposes to demolish/rebuild approximately 2.63 miles of the Golden Meadow-Barataria 115kV line inside the existing ROW. Existing transmission line structures consist of H-frame wooden poles, steel monopoles, and steel lattice structures which are comparable in height and physical appearance to those being proposed for this project. Both

proposed and existing self-supported, single-pole and larger Pyramax structures extend vertically approximately 85 ft. and 250 ft. above the marsh respectively. The existing H-frame wooden structures are approximately 50 ft. tall. The taller single-pole structures would be more visible to park visitors from LA Hwy 301. and residential communities on Jones Point However, structures of this type are already present in some areas along the ROW.

Visual Contrasts

This project would replace the existing timber H-frame wooden structures and steel structures with 85 ft. tall monopole self-supported structures designed to withstand higher wind loads and be more resilient in the coastal environment. The new structures would also eliminate the need for guy wires and reducing the overall footprint of the line and its supports. Existing H-frame wooden structures are constructed of wood having a dark brown color. Present wooden structures are in poor condition with many leaning vertical members visible when viewed from LA Hwy 301. and residential communities on Jones Point. Proposed structures are constructed of galvanized light gray colored steel and have a lighter gray color. They would occupy less surface area than the existing H-frame wooden structures due to the single pole construction of the steel structures. Electrical line color would remain unchanged from the existing line to the proposed. The current transmission line contains a mix of H-frame wooden structures, monopole structures, and lattice structures comparable to what is being proposed for the entire line making the addition of all new steel structures less drastic to marsh observers from this point.

Figure 2. Typical Pole Types



Visual Analysis

A Visual Analysis was conducted using high resolution photography taken from several observation points along LA Hwy. 301 (LA Hwy 301.) and residential areas on Jones Point. The Golden Meadow-Barataria Transmission line is currently comprised of both single pole steel structures similar to what is being proposed, steel lattice structures, and H-frame wooden poles which are both visible from the waterways and local streets in close proximity to the project area.

Figure 2 depicts general representations of the three types of poles present. Photography taken provides a spatially accurate and realistic depiction of the proposed structures in comparison to the current structures within the park. The analysis was conducted on a sunny day with minimal air pollution (particulates/smog) visible in the air. Due to visibility having negligible limitations from environmental factors, a worst case scenario for viewscape impacts could be assumed. Figure 3 depicts the viewscape from LA Hwy 301. on the day that the Visual Analysis was conducted. This analysis provided a more accurate depiction of the contrasts between pre and post construction viewscape conditions than a true Visual Simulation due to it providing an actual photographic representation of what viewers would potentially experience.

Figure 3. Typical View of Existing Structures from LA Hwy 301.

Figure 4. Typical View of Existing Structures from Residential Areas on Jones Point

Determination of Impacts

The Proposed Action would cause the following changes to the viewscape as observed from the Visual Analysis conducted from areas within view of the existing transmission line:

- Steel structures appear more visible due to greater vertical height.
- The color of the steel structure is slightly less visible than the darker wooden structure where no backdrop exists.
- No net impact is anticipated through conductor change because the colors remain the same.
- Existing H-frame wooden structures blend in more easily when wooded areas comprise the viewscape. Taller steel structures extend vertically above the tree line making them more visible.
- H-frame vertically braced wooden structures occupy a larger surface area than single-pole configurations. The increased area is due to two or more vertical members being required to support the H-frame. The structures are also equipped with visible guy wires that are sometimes visible at great distances.

APPENDIX 11
SAFETY EXPLOSIVES DEMOLITION PLAN

EXPLOSIVE DEMOLITION PLAN
Golden Meadow to Barataria Towers

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Item 1. Responsible Blasting Specialists

Item 2. Proposal Preparation and Blasting Plan

Item 3. Monitoring of Blasting Operations

Item 4. Blasting and Seismic Reports

Item 5. Hazard Assessment of Torch Cutting and Blasting Operations

Item 6. Blasting Impact Assessment

Item 7. Blasting Impacts and Shrapnel Control Methods

Item 8. Permits and Notifications

Item 9. Miscellaneous information or requirements

ITEM1. (SUPPLIMENT WITH ATTACHMENT 1) RESPONSIBLE BLASTING SPECIALISTS

At this time, we anticipate the following Demtech blasting technicians will be responsible for this project.
If conflicting project commitments require a change in personnel, Demtech will provide background information, and they will be a Federally Licensed Blaster.

Thomas Greiwe
643 Old Colony Rd.
Defiance, Missouri 63341

Shawn LeViere
400 Levis Rd.
Portersville, PA 16051

Demtech, LLC Senior Blasting Technician/Demolition Specialist(s): ATTACHMENT 1

Thomas Greiwe's and/or Shawn LeViere's duties are to prep and explosively demolish the 7 towers, perform the preliminary work in ascertaining the permitting agencies, their requirements and programs, design the preparatory work and blasting plans, schedule the blasting technicians and plan the work to coincide with the Prime Contractor's schedule, coordinate the Demtech safety onsite specific, safety plan and programs, load and detonate explosives.

Thomas Greiwe is a member of the Society of Explosive Engineers (National and International). He and Shawn are both licensed in many states requiring state explosive licenses. Mr. Greiwe has been in the explosive industry for over 26 years: Shawn LeViere for 13 years.

ITEM 2. PROPOSED PREPARATION AND BLASTING PLAN

A. EXPLOSIVE MATERIALS TO BE USED: (MSDS and Product Technical Data included later)

ACCURATE ENERGETICS: Linear Shaped Charges (LSC).

These explosive steel cutting charges use RDX as the explosive core. On this project we will be using Shaped Charges ranging in size from 900 - 1200 grains per foot (gpf): based upon the thickness of the steel members to be explosively severed. 900gr is capable of severing ¾", and 1200gr us capable of severing 1" thick steel, to ensure that it completely severs the steel legs and diagonals

ACCURATE ENERGETICS: P3 blasting caps.

These are LSC (Linear Shaped Charge) Specific booster charges, ¼ diameter X 1 3/8 inch RDX filled aluminum casings with a short, (generally 8 to 18 inches (based on application and placement) 50 grain detonating cord crimped into the open end.

DYNO EXPLOSIVE COMPANY: Detonating cord (or similar).

We will be using, PETN core, 25 grain per foot detonating cord to connect the Linear Shape Charges on the main supporting cord and diagonal members of the conductors.

DYNO EXPLOSIVE COMPANY: Detonators (blasting caps).

We intend to use the Dyno non-electric detonators (NONEL) as needed between towers when multiple towers will be blasted.. They have a delay time of between 0 to 1500 milliseconds (ms). The additional safety factor of using this type of detonator is the elimination of radio and electromagnetic radiation and stray electric current concerns associated with electric detonators.

C. Blasting Methodology for All Blasting Operations;

Demtech, LLC will conduct a meeting with the GC, and any Owner and Agency Representative(s) playing significant roles, covering the communication, coordination and monitoring concerns of the loading and blasting actives. The blast signal code meets the requirements of OSHA 1926.909. The GC will coordinate both vehicle / marine traffic and pedestrian control with local, county and/or state authorities as deemed necessary by the GC, Owner's Representative, and State and Local law. Should the loading of explosives and the falling of the towers take more than one day to complete, the blast area will be guarded each night until the towers are blasted. The guards will be arranged by the GC with respect to State and Local requirements.

All explosives will be delivered to the site by Demtech, LLC (U.S. Department of Transportation; Hazardous Materials Registration # 022609 5500 l 8QS, Hazardous Materials Safety Permit # US- 381928-W Y -HMSP, USDOT# 1046157), or a local explosive distributor, a Federal and State licensed suppliers of explosives that operates under the requirements, rules and regulations imposed by the Federal and State Departments of Transportation and the recommendations of the IME (Institute of Makers of Explosives). The explosives will be stored in a secured trailer for 2 nights and 3 days at the Tidewater

Dock in Larose. They will be guarded 24/7 while on site. Any explosive materials, including refuse (empty boxes or packing materials) will be picked up at the end of each day or shift.

Once the explosives are on site all transportation, loading and detonation of explosives will be under the direct control and supervision of the Demtech Blaster in Charge following Federal and State regulations and the recommendations of the IME, including Demtech operational safety procedures and the guidelines of OSHA 1926.902.

Only authorized personnel will be allowed within the blast loading/handling area. No drilling, torch cutting, smoking or open flames will be allowed within fifty (50) feet of the explosive loading/handling area unless required for the blasting operations. The handling of explosives will be stopped during the approach and progress of lightning or dust storms. Because of our choice in using non-electric detonators no shunting or additional precautionary measures for "fixed" explosives charges will be required.

Explosives materials will be removed from their containers only as needed and opened per OSHA 1926.905.

The non-electric detonator in conjunction with detonation cord, will be attached to the linear shape charges. After all explosive charges have been loaded, any excess explosive materials and refuse will be removed from the blasting site. The blaster will connect the trunk line into the blasting series. The blaster will double check the connections before the blast. Prior to the blast, the blaster and the GC supervisor (or GC designated personnel) will notify the appropriate authorities that the blast is ready to fire. The blast will not be fired until the area is clear of all traffic and personnel. This area will include any sector within one fifteen hundred (1500) feet radius of the tower but may well be changed, upon agreement, during the pre-blast meetings. This will be determined through radio communication between the Demtech blaster, GC supervisor, authorized GC employees and Emergency Responders enlisted to help. marine traffic will be controlled with assigned personnel in boats until the all clear signal has been sounded after the blast. Each person manning a control point will be in radio contact to ensure that the area has been cleared and secured and behind cover.

It is strongly suggested that ALL personnel within 1/4 mile of the event be behind cover.

When the Blast Area has been cleared and secured, the warning signals will be sounded for the blast. Blasting signals will be per OSHA 1926.909 or as agreed upon by local authorities, as follows:

(1) WARNING SIGNAL -a series of long audible signals 2 minutes prior to the blast.
(2) BLAST SIGNAL - a series of short audible signals 1 minute to the blast.
(3) ALL CLEAR SIGNAL -- a prolonged audible signal following the inspection of the blast.

After the blast the Demtech blaster will survey the area to check for any misfired explosives.

Blast Day Schedule

Timing and punctuality are critical leading up to the blast. All attendees must be on site before the cut off time listed below, there will be no exceptions. (D = Detonation Time)

Activity	**Time**
Site crew reports for duty	D – 3 hours
Set up barricades and secure safety area	D – 2 hours
Demtech check and perform final hook-ups of initiation system	D – 1 hour 30 min.
Spotters in place	D – 1 hour
Non-essential personnel to clear site, confirm evacuations	D – 1 hour
Coast Guard clear boat traffic	D – 1 hour
Site closed, Roll-Call, Demtech in final position	D – 30 min.
Confirm security area is clear	D – 5 min.
Confirm security area is clear, two 10 second sirens	D – 3 min.
Sound one 10 second siren signal indication 1 min. to blast	D – 1 min.
Final perimeter safety check - LA State Police give clearance to fire shot, then an audible countdown (“10, 9, 8, 7, 6”) will commence via radios	D – 10 sec.
Radio Silence (5, 4, 3, 2, 1, audible “FIRE”)	D – 5 sec.
Explosive felling the one tower.	Detonation
Demtech inspect demo area to ensure total detonation	D + 5 min.
Post blast visual inspection followed by an all clear siren	D + 6 min.
Process will repeat for rest of towers	

*All clear timing may vary; times listed are approximate and may increase in length depending on several factors.

Post Blast and Exiting

Exiting	
Post Explosion	All industry standard site-specific safety protocols are followed with Area of Operation (A.O.) security zones. Once all safety protocols allow for the safe initiation, shot fired and structural felling event occurs; an immediate & thorough post felling inspection of the site is performed. Issue: 1) an "ALL-CLEAR" or, 2) a hazardous "MISFIRE" situation exists or 3) the "Tower Failed to react as predicted." Emergency first-responders should be knowledgeable of the A.O. and alerted prior to and during each explosive felling event. The post blast determination is issued by Demtech personnel to respective Site Management and Authorities having jurisdiction.
Access to Project Site	After the "All-Clear", ULCS and all other personnel will be allowed into their respective areas to begin extracting the demolished towers. Boat traffic will be opened up.

Misfire Contingency Plan

All industry standard site-specific safety protocols are followed with Area of Operation (A.O.) security zones. Once all safety protocols allow for the safe initiation, shot fired and structural felling event occurs; an immediate & through post felling inspection of the site is performed. Issue: 1) an "ALL-CLEAR" or, 2) a hazardous "MISFIRE" situation exists or 3) the "Tower Failed to react as predicted." Emergency first-responders should be knowledgeable of the A.O. and alerted prior to and during each explosive felling event. The post blast determination is issued by Demtech personnel to respective Site Management and Authorities having jurisdiction.

1. ALL-CLEAR = Safe to return and continue site operations

2. Should a Misfire of explosive products exist, the entire A.O. safety zone must be held secure until all observed explosive products, charge locations, protective measures status and the tower stability are determined safe to re-enter. Several site-specific variables affect the duration time required to determine safe re-entry. A 30-minute wait time is best industry safe practices for Electric and Nonel detonators (60min. for fuse). With the safety zone secured, re- entry of minimal Demtech personnel will evaluate the specifics and develop a corrective action plan for Key site Managerial personnel to review. Demtech personnel will adhere to site specific safety protocols and implement the corrective action plan.

Corrective actions will include but not be limited to:

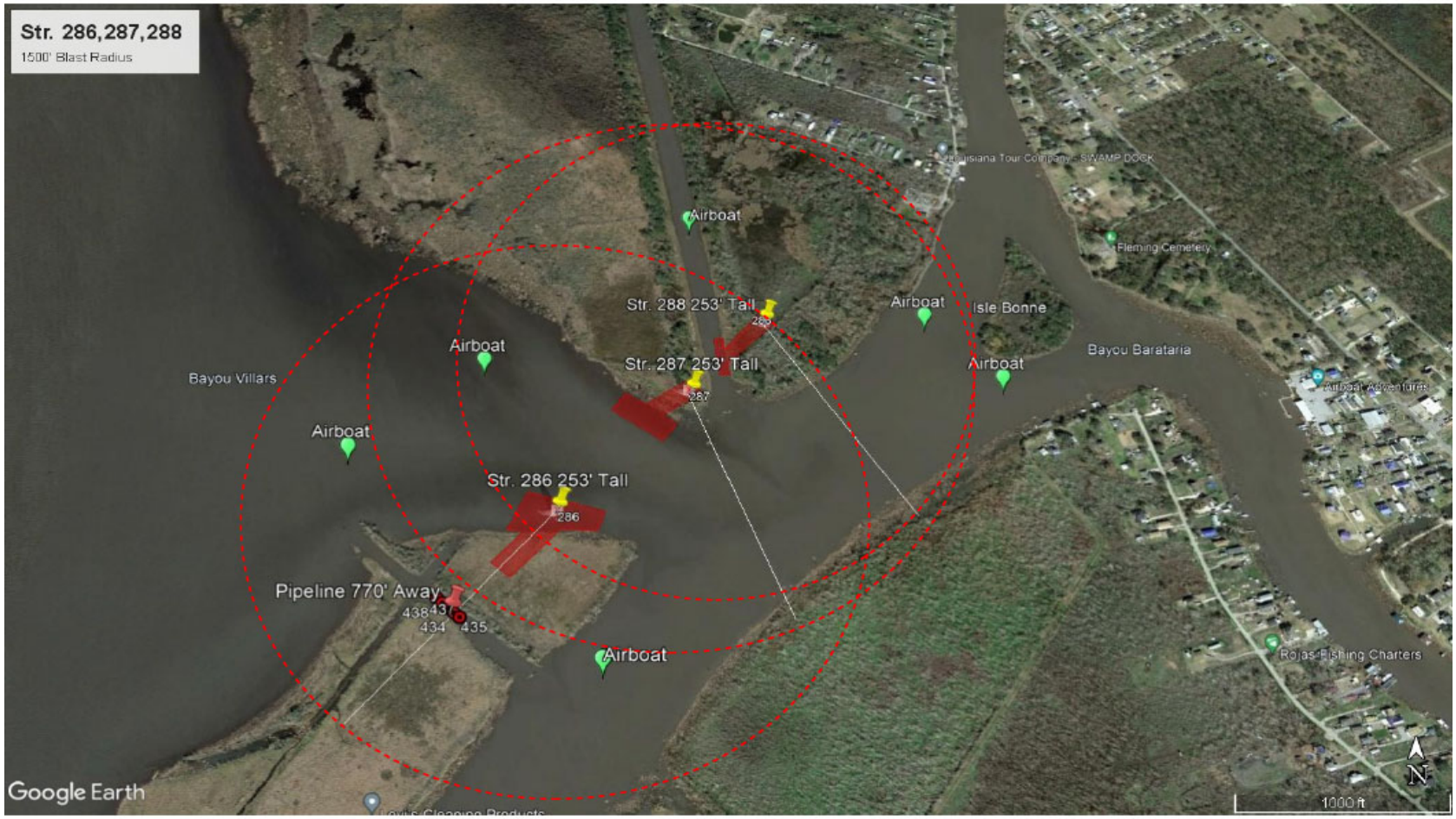
Prior to countercharging- Initiators are separated from charges, recovery of suspect misfired products, re-connecting misfired initiation systems / charges, countercharging, applying replacement / new explosive products and fabrication of protective measures as necessary. Any explosive residue will be removed to a secure remote location and placed in a secure magazine for disposal. All safety protocols are re-applied to allow initiation of the re-connected shot. Safe post felling protocol inspections apply until the posting of an ALL-CLEAR

3. Should it be found that all the explosive products fired properly AND the tower failed to react as predicted, the entire safety zone is held secure until observations determine the tower is safe for re-entry inspection. Corrective action plans are determined and reviewed with key site Management. Industry Best Practices for Conventional or Explosive methodologies to safely fell the tower are considered site-specific "best safe option," safely expedited and implemented accordingly. Post felling protocol inspections apply until the posting of an ALL-CLEAR.

All explosive felling data is recorded, reviewed during the corrective action planning phase with Management, applied during implementation phase and made available for future reference.

Blast Radius

Str. 207,208
1500' Blast Radius
Airboat
Pipeline 250' Away
737
736
739
Str. 208 240' Tall
208
Airboat
Airboat
Str. 207 240' Tall
207
Google Earth
1000 ft
N


Str. 286,287,288
1500' Blast Radius
Airboat
Str. 288 253' Tall
288
Airboat
Isle Bonne
Airboat
Bayou Villars
Str. 287 253' Tall
287
Bayou Barataria
Airboat
Airboat
Str. 286 253' Tall
286
Pipeline 770' Away
438
434
435
Airboat
Rojas Fishing Charters
Google Earth
1000 ft
N

ITEM 3. MONITORING OF BLASTING OPERATIONS

The monitoring of the blasting operations will be in accordance with the U. S. Department of the Interior Bureau of Reclamation construction safety standards. The seismograph units are full range, three wave forms units with full air blast (dB) capabilities. The results of the readings made during blasting activities will be included on the blasting reports. The seismograph unit(s) to be used will meet or exceed the requirements for an explosive's demolition project. We expect to see a moderate dB reading from the air- blast but well below the "damage" level. There will be no appreciable ground vibration until the tower impacts the ground. That impact should not result in "damage" capabilities.

ITEM 4. BLASTING AND SEISMIC REPORTS

A blasting report will be completed for this blast. This report will address the number and locations of explosive charges, the type and quantity of explosives, delay pattern, weather conditions, time of blast and distances to closest structures and conductors in the surrounding effected area. The result of the seismic readings made during the blast will be included in the blasting report. The GC has coordinated that a third party seismology company will be handling all the seismic monitoring.

ITEM 5. HAZARD ASSESSMENT-TORCH CUTTING & BLASTING OPERATIONS

Demtech will be performing one basic function on this project. The placement of explosive charges, and the detonation of explosives for the blasting of the 7 remaining towers. ULCS will be responsible for all pre-cutting according to this plan. Other potential hazards will be addressed in a JSA, discussed at the initial job safety meeting, they are not represented here and will be addressed as (before) those situations come into concern (i.e.; ladders, fire extinguishers, on site driving and manual mobilization, lifting and bending with weight, etc.)

During the loading and blasting phase the possible safety hazards are;

1. The advent of fire or sparks when explosive materials are being handled.
2. Lighting, dust storms, static electricity or electromagnetic radiation.
3. If lighting strikes within 10 miles, we stop operations for 30 minutes.
4. Possible shrapnel or flying debris from the blast.

Protective and preventative measures;

1. No drilling, smoking, open flames or fire of any kind within 50 feet of loading operations and only non-sparking tools
2. Use non-electric detonators.
3. Remove all personnel from blast area during actual blast, placement of linear shape charges within structural members when possible and a cover "assembly" to slow the velocity of or knock down, shrapnel.

4. A cover “assembly” to slow the velocity of or knock down, shrapnel (if required)

ITEM 6. BLASTING IMPACT ASSESSMENT

Surrounding Structures:
The two by-products of the steel blast will be air-blast and shrapnel. In all cases we have data that shows ground vibrations from felled towers are well below the safe requirements of the USBM Blasting Regulations (less than 2.0 ips). The air-blast from shooting the LSC, sometimes even at levels at or above 150 dB, in immediate proximity, dissipates quickly. The imbedding of the linear shaped charges within structural members and cover materials over LSCs can reduce the over pressure and control shrapnel considerably. The steel members, where the shaped charges will be mounted, can be wrapped with any number of possible custom protective covers to control shrapnel as needed. We prefer to use a heavy woven Geo-Tech fabric if blasting in close proximity to uncontrolled structures.

We have blasted many steel towers with greater quantities of explosives and at closer distances than this project, and with no resulting damage. We feel we have adequate distances to safely blast with no adverse effects to the surrounding area or structures.

ITEM 7. BLASTING IMPACTS - SHRAPNEL CONTROL METHODS

On this project the exposure to other towers is not worthy of consideration. Transmission Towers, and avenues of transportation are also separated from this project by adequate distances. The separation distances lessen the exposure to potential blast related effects (i.e., air blast/shrapnel). The Demtech Blaster in Charge, the GC Representatives and local authorities (if any) will meet to discuss a time that the shot will take place in an attempt to preclude heavy vehicular, water borne and pedestrian traffic in the immediate area.

LSCs will be closely matched in size (grains per foot) to the associated member that will be explosively cut. This will maximize severing performance, while helping to reduce the amount of explosives being used, and minimize air blast as well as helping to minimize the broadcasting of shrapnel.

We will not utilize millisecond delay period detonators in this blast, all linear shape charges will be connected by a prima cord trunkline that will connect all of the linear shape charges. The trunkline initiating systems burn time is the only delay separation that will be in place within the explosives of each tower.

As mentioned above, a strict SAFETY ZONE will be established and controlled during the blasting operations. We have tentatively set that zone at an 1500 ft. radius but may well be changed, upon agreement, during pre-blast meetings. Seismic monitoring will be performed. This will provide data that will verify the safe limits of subterranean seismic impact on conductor that arc in proximity to the actual blast as well as provide data on

the air blast effects.

ITEM 8. LICENSE, PERMITS AND NOTIFICATIONS

Demtech is federally licensed. Thomas Greiwe and Shawn LeViere are both Multi-State Licensed Demolition Blasters.

* Where reference is made to meeting the requirements of OSHA -- OSHA Standards for the Construction Industry (29 CFR part 1926) Subparts T and U.

ITEM 9. MISCELLANEOUS INFORMATION OR REQUIREMENTS

Length of charges will be no longer that 12".

Net Explosive Weight will consist of 6.47 pounds per tower on average

If overnight storage and security, law enforcement will be used as security.

Charges will be clamped and tethered to the towers, to prevent them from falling.

Point of Initiation, Entergy, and Louisiana State Police will conduct mass notification of the scheduled blast.

Local EMS and Fire Department will be notified and on standby if needed.

ATTACHMENT 1 - CREDENTIALS

SHAWN LEVIERE

Lead Blaster

Experience Summary

Demtech LLC.

- Survey, sales, shot service, seismic monitoring, drilling of presplit & production, blasting coal mine, stone quarry, construction, heavy highway, and all demolition of manmade structures and conductors.
- Layout and design, permitting, managing and drilling & blasting of jobs, start to finish.
- Majority of work is done in close proximity to structures, conductors, and dwellings, which requires precision drilling, shot design, air-blast and ground vibrations calculations for each blasting job.

Previous Projects

- Dick Henderson Bridge – Nitro-St. Albans WV
- Ices Ferry Bridge – Monongalia County, WV
- Areh Street Bridge – Williamsport, PA
- Texas Utilities (Luminant), Power Plant Station, North Lake
- Generating Station, Morgan Creek Generating Station
- Jerico Coal Tipple
- Appalachia Coal Silos 1 & 3
- Neville Island, PA – 2 smokestacks and 1 coal hopper
- Hulton Bridge – Pittsburgh
- Lilly Bridge – Blue Stone Lake, WV
- Chain of Rocks Bridge – Granite City, IN
- Blanchett Bridge- St. Charles, MO
- Danielle Boone Bridge- St Louis, MO
- Long Island Bridge, Boston Harbor, MA
- State Line Power Plant – Gary, IN
- Lafayette Bridge, West Lafayette, IN
- Torence Bridge- Chicago, IL
- Hazard Hyden- Elk Horn City, KY
- Emerald Parkway Trench Line, Dublin, OH

- Friendship Village Trench Line, Dublin, OH
- Batch Plant – Sommerset KY
- St. Nicholas Coal Breaker, Mananoy City, PA
- Hunter Station Bridge, Tionesta, PA
- Piney Creek Smokestack, Clarion, PA
- Trucking distribution center site preparation
- Over 3500’ sanitary sewer line trench blasting from 28’ to 60’ in solid rock

Certifications/Licenses/Specialized Training

Driver's License: Pennsylvania – Hazmat/CDL
Explosive licenses:
Federal License: Active
Active State Licenses: IL, IN, KS, PA, WV, WY, WV COAL, VA, OH, IA.

Specialized training including:
Hazmat training
Miner safety and training course
Health and Safety training (First Aid, CPR)
MSHA Part 48
OSHA 10 Hr.
Confined Space Entry
Man lift and Crane basket Safety
Climbing and Safety Cable Systems - Fall Protection
Blasters Safety training - 8 to 16 hour per year, yearly
ATF Compliance - use, handling, manufacturing and storage.
WV Contractors License

EDUCATION
Indiana University of Pennsylvania, Indiana, PA
Blaster's Safety Training - 8 hour minimum yearly for 5 years

MEMBERSHI PS AND AFFILIATIONS
ISEE - International Society of Explosive Engineers
Historical Bridge Society
PSEA

GENERAL KNOWLEDGE:
Shawn has been involved in all issues regarding the permitting, acquisition, transportation, handling, estimating, blast plan design and use of explosives. He has dealt with labor and management issues on and off site, including Safety seminars, Safety inspections and general Tool Box meetings. He is experienced in the use and understanding of seismic instruments and blast records that are produced after a blast event.

U.S. Department of Justice
Bureau of Alcohol, Tobacco, Firearms and Explosives
Federal Explosives Licensing Center (FELC)
www.atf.gov

Federal Explosives Licensing Center
244 Needy Road
Martinsburg, West Virginia 25405
telephone: (877)283-3352 fax: (304)616-4401

04/22/2022

NOTICE OF CLEARANCE

for individuals transporting, shipping, receiving, or possessing explosive materials.

ISSUED TO: DEMTECH LLC
NOTICE DATE: 04/22/2022

Federal Explosives license/permit no.: 5-MO-187-20-5E-01599
Expiration Date: May 1, 2025
Explosives License/Permit Type: 20-MANUFACTURER OF EXPLOSIVES

EXPIRATION DATE: This Notice expires when superseded by a newer Notice which will list all current responsible persons and employee possessors, or when the license or permit expires - whichever comes first.

1. **WARNING. Only those individuals listed below as RESPONSIBLE PERSONS and EMPLOYEE POSSESSORS with a background clearance status of "CLEARED" or "PENDING" are authorized to transport, ship, receive, or possess explosive materials in the course of employment with you.**
2. **"DENIED" STATUS. If an employee possessor has a background clearance status of "DENIED", you MUST take immediate steps to remove the employee from a position requiring the transporting, shipping, receiving, or possessing of explosive materials. Also, if the employee has been listed as a person authorized to accept delivery of explosive materials, you MUST remove the employee from such list and immediately, and in no event later than the second business day after such change, notify distributors of such change, as stated in 27 CFR 555.33(a).**
3. **CHANGE IN RESPONSIBLE PERSONS. You MUST report any change in responsible persons to the Chief, Federal Explosives Licensing Center, within 30 days of the change and new responsible persons MUST include "appropriate identifying information" as defined in 27 CFR 555.11. Fingerprints and photos are NOT required, however they will be required upon renewal of the license or permit.**
4. **CHANGE OF EMPLOYEES. You MUST report any change of employee/possessors to the Chief, FELC, within 30 days. Reports relating to newly hired employees must be submitted on ATF Form 5400.28 for EACH employee.**

Premises Address: 410 THOMAS RD
FARMINGTON, MO 63640

Mailing Address:
DEMTECH LLC
5733 WESTWOOD DR
WELDON SPRING, MO 63304

This 'Notice of Clearance' is provided to you as required by 18 U.S.C. 843(h) and MUST be retained as part of your permanent records and be made available for examination or inspection by ATF officers as required by 27 CFR 555.121. If you receive a Notice subsequent to this Notice, this Notice will no longer be valid.

In accordance with 27 CFR 555.33, Background Checks and Clearances, and 27 CFR 555.57, Change of Control, Change in Responsible Persons, and Change of Employees, ATF's Federal Explosives Licensing Center (FELC) has conducted background checks on the individual(s) you identified as a responsible person(s) and an employee/possessor(s) on your application, or reported after the issuance of your license/permit.

The following is a SUMMARY of the results of the background checks conducted on the individuals you reported as responsible persons and employee/possessors. ATF will be notifying ALL individuals listed on this document of their respective status by separate letter mailed to their residence address.

PLEASE BE ADVISED THAT IT IS UNLAWFUL FOR ANY PERSON REFLECTING A STATUS OF "DENIED" TO TRANSPORT, SHIP, RECEIVE, OR POSSESS EXPLOSIVE MATERIALS.

Please carefully review this Notice to ensure that all the information is accurate. If this Notice is incorrect, please return the Notice to the Chief, FELC, with a statement showing the nature of the error(s). The Chief, FELC, shall correct the error, and return a corrected Notice.

Number of RESPONSIBLE PERSON(S) : 3
Number of EMPLOYEE POSSESSOR(S): 1

LAST NAME, First Name, Middle Name	Clearance Status
RESPONSIBLE PERSONS:	3
0001 GREIWE, THOMAS L	Cleared
0002 LEVIERE, SHAWN D	Cleared
0003 ROMAN, RODRIGO G	Cleared
EMPLOYEE POSSESSORS:	1
0001 FENNESSEY, DEVON LOUIS	Cleared

continued

LAST NAME, First Name, Middle Name	Clearance Status

5-MO-187-20-5E-01599 expiration date: May 1, 2025 DEMTECH LLC OF: 410 THOMAS RD, FARMINGTON, MO 63640

U.S. Department of Justice
Bureau of Alcohol, Tobacco, Firearms and Explosives

Federal Explosives License/Permit
(18 U.S.C. Chapter 40)

In accordance with the provisions of Title XI, Organized Crime Control Act of 1970, and the regulations issued thereunder (27 CFR Part 555), you may engage in the activity specified in this license or permit within the limitations of Chapter 40, Title 18, United States Code and the regulations issued thereunder, until the expiration date shown. **THIS LICENSE IS NOT TRANSFERABLE UNDER 27 CFR 555.53.** See "WARNINGS" and "NOTICES" on reverse.

Direct ATF Correspondence To	ATF - Chief, FELC 244 Needy Road Martinsburg, WV 25405-9431	License/Permit Number	5-MO-187-20-5E-01599
Chief, Federal Explosives Licensing Center (FELC)	Mama Howard	Expiration Date	May 01, 2025

Name
DEMTECH LLC

Premises Address (Changes? Notify the FELC at least 10 days before the move.)
410 THOMAS RD
FARMINGTON, MO 63640-

Type of License or Permit
20-MANUFACTURER OF HIGH EXPLOSIVES

Purchasing Certification Statement

The licensee or permittee named above shall use a copy of this license or permit to assist a transferor of explosives to verify the identity and the licensed status of the licensee or permittee as provided by 27 CFR Part 555. The signature on each copy must be an original signature. A faxed, scanned or e-mailed copy of the license or permit with a signature intended to be an original signature is acceptable. The signature must be that of the Federal Explosives Licensee (FEL) or a responsible person of the FEL. I certify that this is a true copy of a license or permit issued to the licensee or permittee named above to engage in the business or operations specified above under "Type of License or Permit."

Mailing Address (Changes? Notify the FELC of any changes.)
DEMTECH LLC
5733 WESTWOOD DR
WELDON SPRING, MO 63304-

Thomas L. Greiwe — Licensee/Permittee Responsible Person Signature
President — Position/Title
Thomas Greiwe — Printed Name
April 25, 2022 — Date

Previous Edition is Obsolete DEMTECH LLC:410 THOMAS RD:63640:5-MO-187-20-5E-01599:May 01, 2025:20-MANUFACTURER OF HIGH EXPLOSIVES

ATF Form 5400.14/5400.15 Part I
Revised September 2011

Federal Explosives License (FEL) Customer Service Information

Federal Explosives Licensing Center (FELC)
244 Needy Road
Martinsburg, WV 25405-9431

Toll-free Telephone Number: (877) 283-3352
Fax Number: (304) 616-4401
E-mail: FELC@atf.gov

ATF Homepage: www.atf.gov

Change of Address *(27 CFR 555.54(a)(1))*. Licensees or permittees may during the term of their current license or permit remove their business or operations to a new location at which they intend regularly to carry on such business or operations. The licensee or permittee is required to give notification of the new location of the business or operations not less than 10 days prior to such removal with the Chief, Federal Explosives Licensing Center. The license or permit will be valid for the remainder of the term of the original license or permit. **(The Chief, FELC, shall, if the licensee or permittee is not qualified, refer the request for amended license or permit to the Director of Industry Operations for denial in accordance with § 555.54.)**

Right of Succession *(27 CFR 555.59)*. (a) Certain persons other than the licensee or permittee may secure the right to carry on the same explosive materials business or operations at the same address shown on, and for the remainder of the term of, a current license or permit. Such persons are: (1) The surviving spouse or child, or executor, administrator, or other legal representative of a deceased licensee or permittee; and (2) A receiver or trustee in bankruptcy, or an assignee for benefit of creditors. (b) In order to secure the right provided by this section, the person or persons continuing the business or operations shall furnish the license or permit for for that business or operations for endorsement of such succession to the Chief, FELC, within 30 days from the date on which the successor begins to carry on the business or operations.

(Continued on reverse side)

Cut Here ✂

Federal Explosives License/Permit (FEL) Information Card

License/Permit Name: **DEMTECH LLC**

Business Name:

License/Permit Number: **5-MO-187-20-5E-01599**

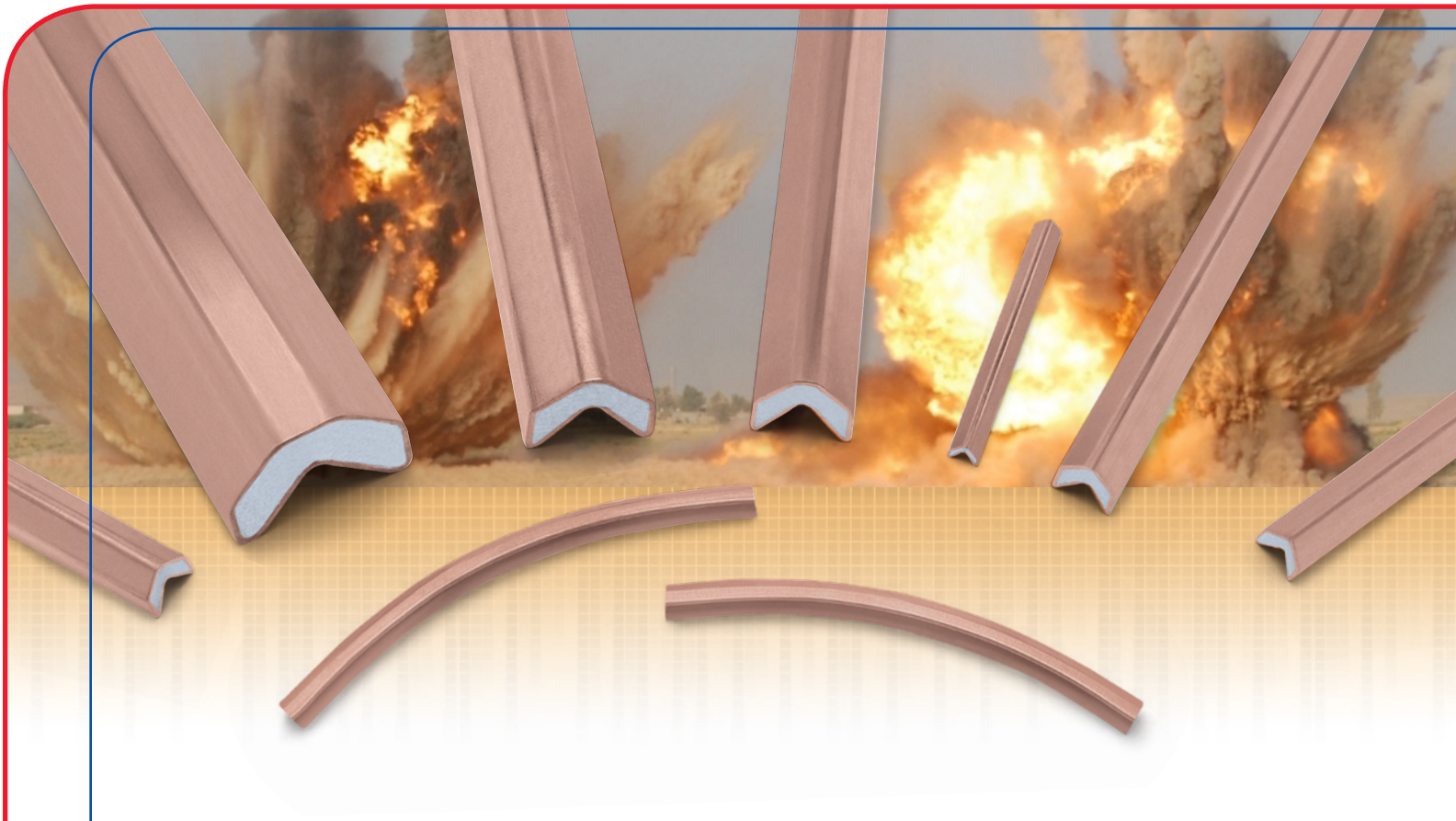
License/Permit Type: **20-MANUFACTURER OF HIGH EXPLOSIVES**

Expiration: **May 01, 2025**

Please Note: Not Valid for the Sale or Other Disposition of Explosives.

Accurate Energetic Systems, LLC

LINEAR SHAPED CHARGE



DESCRIPTION

AES Linear Shaped Charge (LSC) is an explosive enclosed in a seamless metal sheath and fabricated in continuous lengths shaped in the form of an inverted "V". When detonated, the V-shaped metal liner with explosive core produces a uniform linear cutting action. This cutting action, known as the "Monroe effect", can be accentuated by controlling the LSC dimensions and configuration, explosive type and load, liner thickness and continuity. At detonation, the focusing of the explosive high pressure wave as it becomes incident to the side wall causes the metal liner of the LSC to collapse–creating the cutting force. If the standoff distance is optimum, collapse of the liner will be complete before it reaches the target as a plasma jet. This high velocity jet impacts the target with pressures exceeding the target's yield strength and literally pushes the target material to either side of the path of the jet.

PERFORMANCE

The cutting ability of LSC is affected by a number of variables, including the detonation rate of the explosive core load, the characteristics of the metal liners and the density of the material being cut. There is, however, a general scaling guide which may be used to determine the penetration as related to core load, in that penetration of a given material is essentially proportional to the square root of the core load. The liner may be formed using any malleable metal, but is typically copper, aluminum, lead or silver. Copper is generally used with most large core loads, but for some applications, Aluminum is recommended to provide structural integrity. For small core loads where flexibility is required, Lead is preferred, while Silver is reserved primarily for use with thermally-resistant explosive core loads. The explosive core loads commonly used in AES LSC are RDX, HMX, PETN and HNS.

The detonation rates are as follows:

RDX: 8,200 m/s @ 1.65 g/cc.
HMX: 9,100 m/s @ 1.84 g/cc.
PETN: 8,300 m/s @ 1.7 g/cc.
HNS: 6,900 m/s @ 1.6 g/cc.

The formula is as follows:

$T_1 = T_2 \sqrt{\frac{W_1}{W_2}}$
T_1 = unknown penetration depth
T_2 = recorded penetration by W_2 core load
W_1 = select core load
W_2 = recorded core load

All analytical comparisons and reported data were obtained under controlled test conditions and should be considered as relative only.

COPPER LINEAR SHAPED CHARGE

Core Load Grains/Foot*	Width** (In.)	Height** (In.)	Approx. Gross Weight (Lbs/Ft.)	Approx. Standoff (In.)	Penetration at Optimum Standoff (In.)
125	.37	.27	.14	.20	.20
250	.46	.38	.22	.35	.40
400	.48	.51	.31	.37	.50
600	.68	.61	.51	.60	.70
900	.72	.69	.70	.66	.85
1,200	.92	.90	.96	.70	1.00
2,000	1.15	1.07	1.31	.75	1.50
3,200	1.43	1.23	1.66	1.00	1.70
4,000	1.55	1.38	2.25	1.15	2.00
10,500	2.23	1.87	4.30	2.50	3.00

CAST LINEAR SHAPED CHARGE

In addition to formed Linear Shaped Charge, AES offers a Cast LSC in various lengths and explosive weights. Lengths and configurations can be manufactured to meet most needs. Popular applications for cast charges included oil well control situations and for cutting heavy-walled steel structures. Cast LSC can be manufactured with either steel or aluminum housings, and can be poured with a variety of explosives to include Octol, Composition B and Hexolite.

LSC with core loads down to .20 grains/foot are available on request.
**Explosive Core Loading tolerance is ±10%.*
***Dimensional tolerance is ±.03.*
†Performance shown is for RDX explosive into 1018 mild steel.

Call AES for special circular bends and corner cuts.

FL — Y 0 0 0 0

Grain Load Per Foot	(XXXX)		
Core Material	0-RDX	2-CH-6	4-HMX
	1-PETN	3-HNS	8-PBXN-5
Sheath Material	0-Lead	2-Aluminum	4-Pewter
	1-Silver	3-Copper	
Product Type	2-Linear Shaped Charge (LSC)		

Example: FL-Y2300200 is a Linear Shaped Charge with a copper sheath and 200 grains/foot of RDX core.

(07/18)

ACCURATE ENERGETIC SYSTEMS, LLC
5891 Highway 230 West,
McEwen, Tennessee 37101
Tel: 931-729-4207
Web: www.aesys.biz

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EXPLOSIVES
LICENSE NUMBER
U00005540

LOUISIANA
DEPARTMENT OF PUBLIC SAFETY
AND CORRECTIONS

U00005540

TYPE: USER
EXPIRATION: 10/31/2023
DL/ID#: 24525354
DL/ID STATE: Pennsylvania

EXPLOSIVES

SHAWN LEVIERE
400 LEVIS RD
PORTERSVILLE, PA 16051

Activity Hazard Analysis (AHA)

Company: Demtech, LLC

Activity / Task:	Blasting of Golden Meadow to Barataria Towers			Overall Risk Assessment Code (RAC) (Use highest code)	**M**
Project Location:	Golden Meadow to Barataria Towers, LA			**Risk Assessment Code (RAC) Matrix**	
Job Number:				**Severity**	**Probability**
Date of Analysis / Update:	**8/16/22**	**AHA Revision No.:**	0		Frequent / Likely / Occasional / Seldom / Unlikely
Prepared by:	Rodrigo Roman			Catastrophic	E / E / H / H / M
Reviewed by:	Thomas Greiwe			Critical	E / H / H / M / L
				Marginal	H / M / M / L / L
				Negligible	M / L / L / L / L

AHA Applicability:

This AHA involves the following:

-
-
-
-
-

Step 1: Review each **"Hazard"** with identified safety **"Controls"** and determine RAC (See above)

"Probability" is the likelihood to cause an incident, near miss, or accident and identified as: Frequent, Likely, Occasional, Seldom or Unlikely.

"Severity" is the outcome/degree if an incident, near miss, or accident did occur and identified as: Catastrophic, Critical, Marginal, or Negligible

Step 2: Identify the RAC (Probability/Severity) as E, H, M, or L for each "Hazard" on AHA. Annotate the overall highest RAC at the top of AHA.

RAC Chart

- **E = Extremely High Risk**
- **H = High Risk**
- **M = Moderate Risk**
- **L = Low Risk**

Job Steps	Hazards	Controls	RAC
Assign Task to Employee	Employees unfamiliar with associated tasks and hazards	Review this PTP with the crew, discussing the key steps, known or potential hazards and methods to eliminate or control these hazards.	L
	Employees not aware of emergency response procedures.	All employees will wear a Class 2 vest or high visibility clothing, safety glasses and gloves and safety toed boots while onsite.	L
	Change in work conditions	If scope of work, environmental or other workplace conditions change, work will be stopped and re-evaluated.	L
		Crew must sign the **'EMPLOYEE REVIEW OF PRE-TASK PLAN SIGN-IN SHEET'** at the end of this document as acknowledgement you understand this PTP.	L

Working around / near other demolition operations.	Slips, Trips, Falls, Struck-by/against. Cuts, Punctures, Cold, Heat, Stress, Strains, Sprains.	Cut away from your body when cutting with knives. Use proper lift techniques. Get help lifting or moving objects heavier than 40 lbs. Stay clear of moving machinery/equipment. Always stay out of the swing radius and/or turning area of all heavy equipment. Make eye contact with equipment operator before coming inside the machines swing or turn radius. Keep snow & water cleared as much as possible. Keep walk and work areas clean and clear of debris.	L
Working Outside.	Inclement weather, Stress, Sickness, Hydration.	Dress in layered clothing. Always keep dry. Do not sit on cold surfaces for extended periods of time as it can draw your body temp down. Take breaks to warm up from cold & cool down from excess heat. Use extra precautions with symptoms of sickness and medication. Drink water.	L
Hot Works, Torch Cutting.	Fire, Flash Burns, Sparks, Structural Failure.	Spotters / fire watch with fire suppression equipment. Wear proper eye, face, hands, clothing, breathing & fall prevention equipment PPE. Follow all preparation plans. Minimize all exposures and keep work area safe.	L
Explosive Loading.	Premature Explosion, Lighting Strikes, Stray current hazard,	Keep loading area free from personnel not associated with the blasting operation. Keep two way radios and radios at a safe distance when electric caps are present. Watch for presence of storms and Lightning. At approach of a storm remove all personnel and equipment to a safe distance as dictated by the blaster in charge. Keep electric caps and explosives separated until area is clear & Blaster is ready to resume loading. Avoid impact to any explosive. Never fight explosive fires.	M

Explosive Detonation Felling Event.	Struck by flying debris	Keep all equipment & personnel at a safe distance from the blast. Designate a perimeter area and ensure that no personnel are in blast zone at time of detonation. Do not re-enter zone until after the blaster in charge checked area for hazards, unexploded explosives & All-Clear is issued.	M
Working at fall height.	Falling.	Employees will wear full body harness with double lanyard. When fall protection is required, employee will maintain 100% tie-off at all times.	L

Equipment to be Used	Training	Inspection Requirements
Manlifts	Certifications will be on file	Daily

Activities Requiring a Competent or Qualified Person – Attach Proof of Competency	
Activity	**Designated Competent or Qualified Person**
	+

Signatures / Verification of Review		
Name (Print)	**Signature**	**Date**

AHA Modified and Reviewed		
Name (Print)	**Signature**	**Date**

Safety Data Sheet

Issue Date: 08-Mar-2019 **Revision Date:** 12-Mar-2019 **Version** 1

1. IDENTIFICATION

Product identifier

Product Name Linear Shape Charge, RDX

Other means of identification

SDS # AES-006

Recommended use of the chemical and restrictions on use

Recommended Use For military or industrial use.

Details of the supplier of the safety data sheet

Supplier Address

Accurate Energetic Systems, LLC.
5891 HWY 230 W.
McEwen, TN 37101

Emergency telephone number

Company Phone Number Phone: 931-729-4207
Fax: 931-729-4217

Emergency Telephone INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Appearance Chevron-shaped metal tube with core load white or gray-ish in color **Physical state** Solid **Odor** No distinguishing odor

Classification

The classification and labeling information in this Safety Data Sheet should be viewed as provisional, as physical test data has not been performed.

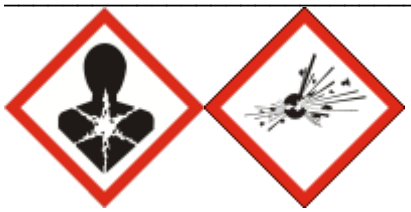
Carcinogenicity	Category 2
Reproductive toxicity	Category 1A
Effects on or via lactation	Yes
Specific target organ toxicity (repeated exposure)	Category 2
Explosives	Division 1.1

Signal Word

Danger

Hazard statements

Suspected of causing cancer
May damage fertility or the unborn child
May cause harm to breast-fed children
May cause damage to organs through prolonged or repeated exposure
Explosive; mass explosion hazard



Precautionary Statements - Prevention
Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Use personal protective equipment as required
Do not breathe dust/fume/gas/mist/vapors/spray
Avoid contact during pregnancy/while nursing
Wash face, hands and any exposed skin thoroughly after handling
Do not eat, drink or smoke when using this product
Keep away from heat/sparks/open flames/hot surfaces. — No smoking
Keep wetted with water
Ground/bond container and receiving equipment
Do not subject to grinding/shock/friction

Precautionary Statements - Response
If exposed or concerned: Get medical advice/attention
Explosion risk in case of fire
In case of fire: Evacuate area
DO NOT fight fire when fire reaches explosives

Precautionary Statements - Storage
Store locked up
Store in accordance with local regulations

Precautionary Statements - Disposal
Dispose of contents/container to an approved waste disposal plant

Other hazards
Very toxic to aquatic life with long lasting effects

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No	Weight-%
Lead	7439-92-1	0-90
Copper	7440-50-8	0-90
Aluminum	7429-90-5	0-90
Cyclotrimethylenetrinitramine (RDX)	121-82-4	0-65
Graphite	7782-42-5	0-2

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

Description of first aid measures

General Advice Provide this SDS to medical personnel for treatment.

Eye Contact Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

Skin Contact Wash off immediately with plenty of water. Get medical attention if irritation occurs.

Inhalation Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention.

Ingestion Clean mouth with water and drink afterwards plenty of water.

Most important symptoms and effects, both acute and delayed

Symptoms May cause damage to organs through prolonged or repeated exposure. Suspected of causing cancer. May damage fertility or the unborn child. May cause harm to breast-fed children.

Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical
Explosive; mass explosion hazard. Explosion risk in case of fire.

Explosion Data
Sensitivity to Static Discharge Explosion caused by friction, impact, static electricity, or heat.

Protective equipment and precautions for firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Wear protective clothing as described in Section 8 of this safety data sheet.

Environmental precautions

Environmental precautions See Section 12 for additional Ecological Information. See Section 13: DISPOSAL CONSIDERATIONS.

Methods and material for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Clean-Up Use only non-sparking tools. Ground and bond containers when transferring material. Place in appropriate containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact during pregnancy/while nursing. Wash face, hands and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Keep wetted with water. Ground/bond container and receiving equipment. Do not subject to grinding/shock/friction. Use only outdoors or in a well-ventilated area.

Conditions for safe storage, including any incompatibilities

Storage Conditions Store locked up. Store in accordance with local regulations.

Incompatible Materials Strong oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Aluminum 7429-90-5	TWA: 1 mg/m^3 respirable particulate matter	TWA: 15 mg/m^3 total dust TWA: 5 mg/m^3 respirable fraction (vacated) TWA: 15 mg/m^3 total dust (vacated) TWA: 5 mg/m^3 respirable fraction (vacated) TWA: 5 mg/m^3 Al Aluminum	TWA: 10 mg/m^3 total dust TWA: 5 mg/m^3 respirable dust TWA: 5 mg/m^3 Al
Lead 7439-92-1	TWA: 0.05 mg/m^3 TWA: 0.05 mg/m^3 Pb	TWA: 50 µg/m^3 TWA: 50 µg/m^3 Pb	IDLH: 100 mg/m^3 IDLH: 100 mg/m^3 Pb TWA: 0.050 mg/m^3 TWA: 0.050 mg/m^3 Pb
Copper 7440-50-8	TWA: 0.2 mg/m^3 fume TWA: 1 mg/m^3 Cu dust and mist	TWA: 0.1 mg/m^3 fume TWA: 1 mg/m^3 dust and mist (vacated) TWA: 0.1 mg/m^3 Cu dust, fume, mist	IDLH: 100 mg/m^3 dust, fume and mist IDLH: 100 mg/m^3 Cu dust and mist TWA: 1 mg/m^3 dust and mist TWA: 0.1 mg/m^3 fume TWA: 1 mg/m^3 Cu dust and mist
Cyclotrimethylenetrinitramine (RDX) 121-82-4	TWA: 0.5 mg/m^3 S*	(vacated) TWA: 1.5 mg/m^3 (vacated) S*	TWA: 1.5 mg/m^3 STEL: 3 mg/m^3
Graphite 7782-42-5	TWA: 2 mg/m^3 respirable particulate matter all forms except graphite fibers	TWA: 15 mg/m^3 total dust synthetic TWA: 5 mg/m^3 respirable fraction synthetic (vacated) TWA: 2.5 mg/m^3 respirable dust natural (vacated) TWA: 10 mg/m^3 total dust synthetic (vacated) TWA: 5 mg/m^3 respirable fraction synthetic TWA: 15 mppcf natural	IDLH: 1250 mg/m^3 TWA: 2.5 mg/m^3 natural respirable dust

Appropriate engineering controls

Engineering Controls Apply technical measures to comply with the occupational exposure limits.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Wear safety glasses with side shields (or goggles). Refer to 29 CFR 1910.133 for eye and face protection regulations.

Skin and Body Protection Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact. Refer to 29 CFR 1910.138 for appropriate skin and body protection.

Respiratory Protection If necessary, wear a MSHA/NIOSH-approved respirator. Refer to 29 CFR 1910.134 for respiratory protection requirements.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Solid		
Appearance	Chevron-shaped metal tube with core load white or gray-ish in color	**Odor**	No distinguishing odor
Color	white or gray-ish	**Odor Threshold**	No data

Property	**Values**	**Remarks • Method**
pH	No data	
Melting point / freezing point	HMX=205°C (401°F)	
Boiling point / boiling range	N/A, Explosive	
Flash point	Explosive	
Evaporation Rate	Not data	
Flammability (Solid, Gas)	Explosive	
Flammability Limit in Air		
Upper flammability or explosive limits	Not determined	
Lower flammability or explosive limits	Not determined	
Vapor Pressure	RDX= 0.1 @ 100° C	
Vapor Density	Not data	
Relative Density	1.8 = RDX	
Water Solubility	Not soluble in water	
Solubility in other solvents	Not determined	
Partition Coefficient	No data	
Autoignition temperature	234 °C / 453.2 °F	
Decomposition temperature	~205°C (401°F)	
Kinematic viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Explosion caused by friction, impact, static electricity, or heat	
Oxidizing Properties	Not determined	

10. STABILITY AND REACTIVITY

Reactivity
Not reactive under normal conditions.

Chemical stability
Stable under recommended storage conditions.

Possibility of hazardous reactions
None under normal processing.

Conditions to Avoid
Keep out of reach of children.

Incompatible materials
Strong oxidizing agents.

Hazardous decomposition products
None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Eye Contact Avoid contact with eyes.

Skin Contact Avoid contact with skin.

Inhalation Do not inhale.

Ingestion Do not ingest.

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Cyclotrimethylenetrinitramine (RDX) 121-82-4	= 71 mg/kg (Rat)	-	-

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Please see section 4 of this SDS for symptoms.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity Suspected of causing cancer.

Chemical name	ACGIH	IARC	NTP	OSHA
Lead 7439-92-1	A3	Group 2A	Reasonably Anticipated	X

Legend
ACGIH (American Conference of Governmental Industrial Hygienists)
A3 - Animal Carcinogen
IARC (International Agency for Research on Cancer)
Group 2A - Probably Carcinogenic to Humans
NTP (National Toxicology Program)
Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen
OSHA (Occupational Safety and Health Administration of the US Department of Labor)
X - Present

Reproductive toxicity May damage fertility or the unborn child. May cause harm to breast-fed children.

STOT - repeated exposure May cause damage to organs through prolonged or repeated exposure.

Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document Not applicable due to form of the product.

12. ECOLOGICAL INFORMATION

Ecotoxicity
Very toxic to aquatic life with long lasting effects.

Component Information

Chemical name	Algae/aquatic plants	Fish	Crustacea
Lead 7439-92-1		1.32: 96 h Oncorhynchus mykiss mg/L LC50 static 1.17: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 0.44: 96 h Cyprinus carpio mg/L LC50 semi-static	600: 48 h water flea µg/L EC50
Copper 7440-50-8	0.0426 - 0.0535: 72 h Pseudokirchneriella subcapitata mg/L EC50 static 0.031 - 0.054: 96 h Pseudokirchneriella subcapitata mg/L EC50 static	0.052: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 0.8: 96 h Cyprinus carpio mg/L LC50 static 0.3: 96 h Pimephales promelas mg/L LC50 static 0.0068 - 0.0156: 96 h Pimephales promelas mg/L LC50 0.2: 96 h Pimephales promelas mg/L LC50 flow-through 0.3: 96 h Cyprinus carpio mg/L LC50 semi-static 0.112: 96 h Poecilia reticulata mg/L LC50 flow-through 1.25: 96 h Lepomis macrochirus mg/L LC50 static	0.03: 48 h Daphnia magna mg/L EC50 Static
Cyclotrimethylenetrinitramine (RDX) 121-82-4		5 - 8.7: 96 h Pimephales promelas mg/L LC50 flow-through 5.4 - 7.4: 96 h Oncorhynchus mykiss mg/L LC50 static 1.9 - 6.6: 96 h Lepomis macrochirus mg/L LC50 static 3.0 - 5.0: 96 h Pimephales promelas mg/L LC50 static 5.6 - 10: 96 h Lepomis macrochirus mg/L LC50 flow-through	

Persistence/Degradability
Not determined.

Bioaccumulation
There is no data for this product.

Mobility
Not determined

Other Adverse Effects
Not determined

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging Disposal should be in accordance with applicable regional, national and local laws and regulations.

US EPA Waste Number

Chemical name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
Lead 7439-92-1		Included in waste streams: F035, F037, F038, F039, K002, K003, K005, K046, K048, K049, K051, K052, K061, K062, K069, K086, K100, K176	5.0 mg/L regulatory level	

California Hazardous Waste Status

Chemical name	California Hazardous Waste Status
Lead 7439-92-1	Toxic
Copper 7440-50-8	Toxic
Aluminum 7429-90-5	Ignitable powder

14. TRANSPORT INFORMATION

Note This material is classified as Dangerous Goods Class 1 Explosives. Please refer to the competent authority approval for specific information regarding UN hazard information and approval numbers. Class 1 Dangerous Goods are incompatible in a placard load with any of the following: - Division 2.1: Flammable gases - Division 2.2: Non-flammable Non-toxic Gases - Division 2.3: Toxic Gases - Class 3: Flammable Liquids - Division 4.1: Flammable Solids - Division 4.2: Spontaneously Combustible Substances - Division 4.3: Dangerous when wet Substances - Division 5.1: Oxidizing substances - Division 5.2: Organic Peroxides - Class 6: Toxic or Infectious Substances - Class 7: Radioactive materials unless specifically exempted - Class 8: Corrosive Substances - Class 9: Miscellaneous substances - Fire risk substancesTransportation packaging must comply with PG II standards.

DOT Please contact manufacturer for most current information

IATA Please contact manufacturer for most current information

IMDG Please contact manufacturer for most current information

Marine Pollutant Yes

15. REGULATORY INFORMATION

International Inventories

Chemical name	TSCA	DSL/NDSL	EINECS/ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Aluminum	X	X	X		X	X	X	X
Lead	X	X	X		X	X	X	X
Copper	X	X	X		X	X	X	X
Cyclotrimethylenetrinitramine (RDX)	X	X	X	X	X	X		X
Graphite	X	X	X		X	X	X	X

Legend:

TSCA *- United States Toxic Substances Control Act Section 8(b) Inventory*

DSL/NDSL *- Canadian Domestic Substances List/Non-Domestic Substances List*

EINECS/ELINCS *- European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*

ENCS *- Japan Existing and New Chemical Substances*

IECSC *- China Inventory of Existing Chemical Substances*

KECL *- Korean Existing and Evaluated Chemical Substances*

PICCS *- Philippines Inventory of Chemicals and Chemical Substances*

AICS *- Australian Inventory of Chemical Substances*

US Federal Regulations

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Lead 7439-92-1	10 lb		RQ 10 lb final RQ RQ 4.54 kg final RQ
Copper 7440-50-8	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical name	CAS No	Weight-%	SARA 313 - Threshold Values %
Aluminum - 7429-90-5	7429-90-5	0-90	1.0
Lead - 7439-92-1	7439-92-1	0-90	0.1
Copper - 7440-50-8	7440-50-8	0-90	1.0

CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Lead		X	X	
Copper		X	X	

US State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals.

Chemical name	California Proposition 65
Lead - 7439-92-1	Carcinogen Developmental Female Reproductive Male Reproductive

U.S. State Right-to-Know Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
Aluminum 7429-90-5	X	X	X
Lead 7439-92-1	X	X	X
Copper 7440-50-8	X	X	X
Cyclotrimethylenetrinitramine (RDX) 121-82-4	X	X	X
Graphite 7782-42-5	X	X	X

16. OTHER INFORMATION

NFPA	**Health Hazards**	**Flammability**	**Instability**	**Special Hazards**
	Not determined	Not determined	Not determined	Not determined
HMIS	**Health Hazards**	**Flammability**	**Physical hazards**	**Personal Protection**
	Not determined	Not determined	Not determined	Not determined

Issue Date: 08-Mar-2019
Revision Date: 12-Mar-2019
Revision Note: New format

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet

DEMTECH Explosive Demolition Plan
Golden Meadows to Barataria Towers

Questions and/or clarification

1 – Two (2) people are listed as being the Federal Licensed Blasters but only one (1) has credential listed (Shawn LeViere) – Where is credentials for Thomas Greiwe?

See attached Notice of Clearance, Thomas Greiwe, Shawn LeViere and Rodrigo Roman are listed as "Responsible Persons". Shawn LeViere is currently license in the state of Louisiana, see attached for a picture of his license. Thomas Greiwe and Rodrigo are not required to be licensed in the state of Louisiana

2 – Under Mr. LeViere's credentials, Louisiana is NOT listed as a state he is licensed to perform blasting operations.

We will update that document. See attached for a copy of Shawn's license.

3 – I would like to have a copy of both Shawn's and Thomas's ATF Federal License on record.

Demtech has a Federal Explosives License, under that FEL, Tom, Shawn and Rodrigo are listed. See attached for Notice of Clearance.

4 – Question – When would the blasting report be issued – before or after the blast. I assume after but it's not clear and there is some information that would be helpful to know in advance. Maybe covered in the pre-safety meeting.

After the blast, a report will be given to the GC and to Louisiana State Police.

5 – In Item 5, a JHA is listed as being completed prior to blasting, I would like a copy for review prior to operations.

Yes, see attached.

6 – Who is the DETECH Safety Officer?

Rodrigo Roman is the Demtech Safety Officer

7 – Blasting plan states seven (7) towers to be taken down but map shows only 2. Is this because the remaining towers are on other near-by property?

Yes there are only 2 on Park Property. The others are on different properties.

8 – Who coordinates the presence of Coast Guard, State Police, and EMS personnel?

The General Contractor coordinates with all local authorities, as required. Demtech coordinates with the Louisiana State Police blasting inspector

9 – What happens to the concert footings that the towers are standing on? Are the concert footers left in place? What about the metal support standings – will they left in place?

The metal protruding from concrete will be cut flush and concrete foundations will remain in place.

10 – Will the SDS and technical information for the Linear Shape Charges (LSC) be available for our records?

Yes, see attached. Was previously submitted as well

11 – Will JELA be given the seismic report once completed? I recommend we get a copy for our records.

Seismic monitoring will be done is a contract with the GC, separate from Demtech.

APPENDIX 12
RIGHTS OF WAYS

ParkUnit	OccupantName	COB / ROW #	Tract ID	JELA Deed ID	CommentLocations
BARA	Entergy Louisiana, L.L.C.	COB 842 FOLIO 916 ENTRY NO. 689336	101-06	JELA72	BARATARIA GOLDEN MEADOWS
BARA	Entergy Louisiana, L.L.C.	COB 842 FOLIO 915 ENTRY NO 689337	101-06	JELA72	BARATARIA GOLDEN MEADOWS
BARA	Entergy Louisiana, L.L.C.	COB 582 FOLIO 307 ENTRY NO. 276464	101-06	JELA72	BARATARIA GOLDEN MEADOWS
BARA	Entergy Louisiana, L.L.C.	COB 616 FOLIO 589 ENTRY NO. 330682	101-06	JELA72	BARATARIA GOLDEN MEADOWS
BARA	Entergy Louisiana, L.L.C.	COB 582 FOLIO 700	101-05	JELA52	BARATARIA GOLDEN MEADOWS
BARA	Entergy Louisiana, L.L.C.		102-05	JELA60	BARATARIA GOLDEN MEADOWS
BARA	Entergy Louisiana, L.L.C.	COB 109 FOLIO 242 ENTRY NO 103538	103-02	JELA79	BARATARIA GOLDEN MEADOWS
BARA	Entergy Louisiana, L.L.C.	RW JELA-2020-01			BARATARIA SUBSTATION CROSSING 230 KV
BARA	Entergy Louisiana, L.L.C.	COB 427 Folio 617			BARATARIA SUBSTATION
BARA	Entergy Louisiana, L.L.C.	COB 422 Folio 470 Entry No. 98514	101-21	JELA23	NINEMILE-BARATARIA /GOLDEN MEADOWS
BARA	Entergy Louisiana, L.L.C.	COB 422 Folio 470 Entry No. 98514	101-22	JELA64	NINEMILE-BARATARIA /GOLDEN MEADOWS

FOR INTERNAL NPS USE ONLY - The Privacy Act of 1974 (5 U.S.C. § 552a) contains provisions for criminal penalties for knowingly and willfully disclosing information from this system unless properly authorized.

Click here to open a list of column and value definitions

Find address or place
101-05
101-06
101-21
102-04
102-03
102-08
102-05
103-01
103-21
102-06
103-02
Barataria Blvd
Trahan St
Jean Lafitte Blvd
Bayou Barataria
Carmelite St
McMurphy St
Tasha Ln
Privateer Bl
0.3mi
-90.094 29.771 Degrees

834-9733

CASH SALE

BY: DORCEY HEBERT WIFE OF/AND EADS J. DOUCET, JR.

TO: THE UNITED STATES OF AMERICA

BE IT KNOWN, That on this 23rd day of the Month of August, in the year of our Lord one thousand nine hundred and eighty eight, and of the Independence of the United States of America, the two hundred and twelfth (212th).

BEFORE ME, Jane A. Fala, a Notary Public, duly commissioned and qualified in and for the Parish of Jefferson, State of Louisiana, therein residing, and in the presence of the witnesses hereinafter named and undersigned: INSTR. #8841644

PERSONALLY CAME AND APPEARED: DORCEY HEBERT WIFE OF/AND EADS J. DOUCET, JR. 23.00 NET
both persons being the full age of majority who declared under oath, unto me, Notary, that they have been married but once and then to each other, and are
MAILING ADDRESS 1409 East Drive, Westwego, Louisiana 70094
presently living and residing together.

Who declare that they do by these presents, grant, bargain, sell, convey, transfer, assign, setover, abandon and deliver, with all legal warranties and with full substitution and subrogation in and to all rights and actions of warranty which has or may have against all preceding owners and Vendors, unto

THE UNITED STATES OF AMERICA

and its assigns forever, the following described property, excepting all minerals in Jefferson Parish, Louisiana, to-wit:

SEE DESCRIPTION OF PROPERTY ON EXHIBIT "A"
ATTACHED HERETO AND MADE A PART HEREOF

together with all right, title and interest of the Vendors in and to water rights, banks, beds and waters of any stream or river bordering or traversing the said land, (including tide lands, or lands comprising the shores or bottoms of navigable rivers, lakes, bays, ocean or gulf, or lands beyond the line of the harbor or bulkhead lines as established or changed by the United States Government, or water rights, if any, appurtenant to or abutting or adjoining said land), and in and to any alleys, roads, streets, ways, adjoining lands or parcels, party walls, strips, gores, or railroad rights-of-way abutting or adjoining said land and in any means of ingress or egress appurtenant thereto.

The land is conveyed subject to existing easements of record for public roads and highways, public utilities, railroads, pipelines, ditches and canals.

The Vendors further declared and warranted that they are the sole and only owner (s) of said above described property and that said above described property is free from any mortgage, lien, judgment or any encumbrance whatsoever, except as above stated.

TO HAVE AND TO HOLD all of said property unto the UNITED STATES OF AMERICA and its assigns forever.

This sale is made and accepted for and in consideration of the price and sum of SEVEN THOUSAND FIVE HUNDRED AND NO/100---------- ----------$7,500.00 Dollars which the said Purchaser has well and truly paid, in ready and current money to the said Vendors, who hereby acknowledges the receipt thereof and grants full acquittance and discharge therefor.

The parties hereto agreed to waive the production of mortgage,

JEAN LAFITTE NATIONAL HISTORICAL PARK

TRACT 103-02

All that tract or parcel of land lying and being in Section 19, Township 15 South, Range 23 East, Louisiana Meridian, Southeast District, Jefferson Parish, Louisiana, more fully shown as Lot 129 on a plat or survey of Lafitte's Treasure Isle, prepared by Wilton J. Dufrene, land surveyor, dated March 28, 1972, and more particularly described as follows:

Beginning at the intersection of the south right-of-way of Louisiana Power and Light Company, and the west right-of-way of Bayou Segnette Waterway; thence southwesterly along the south right-of-way of Louisiana Power and Light Company, 120 feet, more or less, to a point in the north shoreline of Bayou Villars; thence easterly along the north shoreline of Bayou Villars 100 feet, more or less, to a point where the north shoreline of Bayou Villars intersects the west right-of-way of Bayou Segnette Waterway; thence northerly along the west right of way of Bayou Segnette Waterway 100 feet, more or less, to the point of beginning.

Containing 0.12 of an acre, more or less.

Being the same land conveyed to Dorcey Hebert and Eads J. Doucet, Jr., from Walker Land Company, Inc., by deed recorded in C.O.B. 768, Page 918, dated 08/09/72, Clerk of Court, Parish of Jefferson, Louisiana.

SUBJECT TO:

1. Rights-of-way in favor of Louisiana Power & Light registered in C.O.B. 109, Folio 242, and in Entry No. 103538;

2. Agreement with Southern Natural Gas Company registered in C.O.B. 458, Folio 690;

3. Right-of-way in favor of United Gas Pipeline Company registered in C.O.B. 335, Folio 670;

4. Right-of-way in favor of Louisiana Power & Light registered in Entry No. 103538;

5. Rights-of-way in favor of Southern Natural Gas Company registered in C.O.B. 458, Folios 692, 694, 696;

6. Rights-of-way in favor of Texas Pipeline Company registered in C.O.B. 254, Folio 282, and C.O.B. 260, Folio 33.

EXHIBIT "A"

conveyance and tax certificates and relieve and release me, Notary, from any and all liability in connection therewith.

The above described property is being acquired by the Department of the Interior, National Park Service.

THUS DONE AND PASSED, in triplicate originals, in my office in Metairie, Louisiana, Jefferson Parish, on the day, in the month and year herein first above written, in the presence of Julie Otillio and Bonny Lotz, competent witnesses, who hereunto sign their names with the said appearers, and me, Notary, after reading the whole.

WITNESSES:

Julie Otillio

Bonny Lotz

Eads J. Doucet Jr
EADS J. DOUCET, JR.

Dorcey Hebert Doucet
DORCEY HEBERT DOUCET

Jane A. Faia
JANE A. FAIA NOTARY PUBLIC

ENTRY No. 8841644
REGISTERED IN COB 2036 FOLIO 281
RECORDED IN MOB FOLIO
PARISH OF Jefferson LOUISIANA
DATE 9-6-88

Certified to be a True Copy of the Original Act or Document

U. S. DI
EASTERN
FILED MAY 16 1983
Dep. Clerk

UNITED STATES DISTRICT COURT
EASTERN DISTRICT OF LOUISIANA

UNITED STATES OF AMERICA	*	CIVIL ACTION
Plaintiff	*	NO. 81-0824
v.	*	SECTION: "H" (5)
637.88 ACRES OF LAND, ETC, ET AL.	*	
Defendants	*	

AMENDED JUDGMENT DETERMINING JUST COMPENSATION

Pursuant to a stipulation filed in this cause agreeing to the amount of just compensation for the taking of the property herein, it is by the Court, this 16th day of May, 1983, at New Orleans, Louisiana,

ADJUDGED, ORDERED, AND DECREED that the just compensation payable to the plaintiff for the taking of the fee simple title absolute to said lands is the sum of Eight Hundred Thousand Dollars and No Cents ($800,000.00), without interest, and judgment is hereby entered against the United States of America, through its counsel, Louis J. Volz, III, Assistant United States Attorney, in the aforesaid amount, and the said United States of America shall deposit the sum of Eight Hundred Thousand Dollars and No Cents ($800,000.00) in the registry of this Court in satisfaction of the judgment by June 30, 1983, otherwise this

MAY 20 1983
DATE OF ENTRY
JEAN LAFITTE N.H.P. DEED NO. 60
FEE
PROCESS
X CHARGE 105
INDEX
ORDER
HEARING
DOCUMENT No. 20

Judgment Determining Just Compensation shall be rendered null and void.

UNITED STATES DISTRICT JUDGE

Dated: 5/16/83

CONSENTED TO:

LOUIS J. VOLZ, III
Assistant United States Attorney
Hale Boggs Federal Building
500 Camp Street
New Orleans, Louisiana 70130
Telephone: (504) 589-3510

VIRGINIA BUTLER
Attorney, Land Acquisition Section
Land and Natural Resources Division
U. S. Department of Justice
Washington, D. C. 20530
Telephone: (202) 724-8379

H. GORDON HARTMAN
400 Whitney Building
New Orleans, Louisiana 70130
Telephone: (504) 522-4849
Attorney for BAYOU-LAKE, INC.

CLERK'S OFFICE
A TRUE COPY
MAY 24 1983
Deputy Clerk, U. S. District Court
Eastern District of Louisiana
New Orleans, La.

USA File: 81-00[illegible]

FILED
U.S. DISTRICT COURT
EASTERN DISTRICT OF LA.
MAY 16 2 00 PM '83
LORETTA G. WHYTE
CLERK

UNITED STATES DISTRICT COURT
EASTERN DISTRICT OF LOUISIANA

UNITED STATES OF AMERICA	*	CIVIL ACTION
Plaintiff	*	NO. 81-0824
v.	*	SECTION: "H" (5)
637.88 ACRES OF LAND, ETC., ET AL.,	*	
Defendants	*	

MOTION TO AMEND AND CORRECT
JUDGMENT DETERMINING JUST COMPENSATION

Now into Court comes the United States of America represented by undersigned counsel and respectfully moves this Honorable Court to grant its motion to amend and correct Judgment Determining Just Compensation in the above-referenced action in condemnation to reflect that the United States of America was cast in judgment and not Bayou-Lake, Inc., in the sum of EIGHT HUNDRED THOUSAND and 00/100 ($800,000.00) DOLLARS. A copy of the Amended Judgment Determining Just Compensation is annexed hereto.

WHEREFORE, the United States of America respectfully prays that its motion be granted.

Respectfully,

JOHN VOLZ
UNITED STATES ATTORNEY

LOUIS J. VOLZ, III
Assistant United States Attorney
Hale Boggs Federal Building
New Orleans, Louisiana 70130
Telephone: (504) 589-3510

CERTIFICATE OF SERVICE

I certify that a copy of the foregoing has been served upon counsel for all parties by mailing the same to each, properly addressed and postage prepaid this 16th day of May, 1983

Assistant U.S. Attorney

DATE OF ENTRY MAY 2 0 1983

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CHARGE
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ORDER
HEARING
DOCUMENT No. 19

rne

Virginia Butler by Hpt

VIRGINIA BUTLER
Attorney, Land Acquisition Section
Land and Natural Resources Division
U. S. Department of Justice
Washington, D. C. 20530
Telephone: (202) 724-8379

H. Gordon Hartman

H. GORDON HARTMAN
400 Whitney Building
New Orleans, Louisiana 70130
Telephone: (504) 522-4849
Attorney for BAYOU-LAKE, INC.

U.S. Department of Justice

Office of the Attorney General

DEC 12 1984

SOLICITOR'S
DOCKET
29697
33-19-367-2
DCW
006

Washington, D.C. 20530

December 7, 1984

Honorable William P. Clark
Secretary of the Interior
Washington, D. C.

My dear Mr. Secretary:

Re: File No.: 33-19-367-2
Tract No(s).: 102-05
Civil No.: 81-0824
District: Eastern State: Louisiana
Condemning authority: United States of America
Project: Jean Lafitte National Historical Park

An examination has been made of the title evidence and transcript of record in the above-referenced condemnation proceeding as it pertains to the tract(s) of land described above.

The proceeding is regular, judgment has been entered and satisfied, and valid title to the above-described tract(s) of land, to the extent of the estate(s), described in the complaint (declaration of taking), is vested in the condemning authority.

Sincerely yours,

William French Smith

William French Smith
Attorney General

FORM LDN-165
MAR. 81

ACT OF SALE

BY: REGINA DAUENHAUER GAUDET AND
VERONICA MC CUNE EDWARDS

TO: THE UNITED STATES OF AMERICA

UNITED STATES OF AMERICA

STATE OF LOUISIANA

PARISH OF JEFFERSON

BE IT KNOWN, That on this 29th day of the Month of AUGUST, in the year of our Lord one thousand nine hundred and EIGHTY FOUR, and of the Independence of the United States of America, the two hundred and NINTH.

BEFORE ME, DARLENE SANSONE RANSON, a Notary Public, duly commissioned and qualified in and for the Parish of JEFFERSON, State of Louisiana, therein residing, and in the presence of the witnesses hereinafter named and undersigned;

PERSONALLY CAME AND APPEARED:

SEE EXHIBIT "B" FOR MARITAL STATUS

Who declare that they do by these presents, grant, bargain, sell, convey, transfer, assign, setover, abandon and deliver, with all legal warranties and with full substitution and subrogation in and to all rights and actions of warranty which they have or may have against all preceding owners and vendors, unto

THE UNITED STATES OF AMERICA

and its assigns forever, the following described property, excepting all minerals in Jefferson Parish, Louisiana, to-wit:

SEE DESCRIPTION OF PROPERTY ON EXHIBIT "A"
ATTACHED HERETO AND MADE A PART HEREOF

together with all right, title and interest of the vendor in and to water rights, banks, beds and waters of any stream or river bordering or traversing the said land, (including tide lands, or lands comprising the shores or bottoms of navigable rivers, lakes, bays, ocean or gulf, or lands beyond the line of the harbor or bulkhead lines as established or changed

EXHIBIT "A"

JEAN LAFITTE NATIONAL HISTORICAL PARK

TRACT 101-05

All that tract or parcel of land lying and being in Section 10, Township 15 South, Range 23 East, Louisiana Meridian, Jefferson Parish, Louisiana, being more particularly described as follows:

Beginning at a 4 inch concrete monument on the dividing line between Sections 10 and 19, said monument being located approximately 300 feet Northerly of Bayou Barataria and having Louisiana Plane Lambert Coordinates of X = 2,381,517.26 feet, Y = 399,052.25; thence, along said dividing line between Sections 10 and 19 which line is the line of lands now or formerly owned by Louisiana Land and Exploration Company North 34°53'19" West 7216.7 feet to a concrete monument at the corner common to Sections 10, 16, and 19, said corner being a corner of lands now or formerly owned by the Barataria Plantation Company; thence, North 55°06'41" East 480 feet along the line of said Barataria Plantation Company to the intersection with the Westerly line of lands now or formerly owned by T. C. Munch; thence, along the line of said Munch South 34°53'19" East 7625 feet, more or less, to the Northerly bank of Bayou Barataria; thence, in a Westerly direction along the Northerly bank of Bayou Barataria a distance of 500 feet, more or less, the intersection with the dividing line between Sections 10 and 19, said line being a line of lands now or formerly owned by Louisiana Land and Exploration Company; thence, along the line of said Louisiana Land and Exploration Company North 34°53'19" West 300 feet, more or less, the point of beginning.

Containing 84.00 acres, more or less.

Being a portion of the land conveyed to Regina Dauenhauer by Succession, recorded March 7, 1917, in C.O.B. 39, Folio 743, in the Office of the Clerk of the Court, Jefferson Parish, Louisiana.

Also being a portion of the land conveyed to Vercuica McCune Edwards by Succession, recorded February 2, 1982, in C.O.B. 1019, Folio 433, in the Office of the Clerk of the Court, Jefferson Parish, Louisiana. Further acquired by judgement dated 8/23/84, entry # 8440220 Jefferson Parish in COB Folio

SUBJECT TO:

1. Rights of servitude and/or drainage through any and all canals or ditches or old roads traversing the property as shown on a map attached to a Right-of-Way Permit to Louisiana Power and Light Company dated December 4, 1963, registered in C.O.B. 582, Folio 700.

2. Right-of-Way to Louisiana Power and Light Company dated December 4, 1963, registered in C.O.B. 582, Folio 700.

3. Right-of-Way granted by Canal Bank and Trust Company in Liquidation to United Gas Pipe Line Company, dated April 22, 1953, registered in C.O.B. 337, Folio 525, Entry No. 13810.

EXHIBIT "B"

MARITAL STATUS CONTINUED FROM PAGE 1.....

VERONICA MC CUNE EDWARDS, a person of the full age of majority who declared under oath to me, Notary, that she has been married but once and to Edwin W. Edwards with whom she is presenlty living and residing.

MAILING ADDRESS 57 Pine Tree Drive, Jackson, Tennessee 38301

REGINA DAUENHAUER GAUDET, a person of the full age of majority who declared under oath to me, Notary, that she has been married but once and to Louis Herman Gaudet, from whom she was divorced in the 24th Judicial District Court, Parish of Jefferson, dated 4/6/44 in proceedings # 101-344, now deceased and she has not since re-married.

by the United States Government, or water rights, if any, appurtenant to or abutting or adjoining said land), and in and to any alleys, roads, streets, ways, adjoining lands or parcels, party walls, strips, gores, or railroad rights-of-way abutting or adjoining said land and in any means of ingress or egress appurtenant thereto.

The land is conveyed subject to existing easements of record for public roads and highways, public utilities, railroads, pipelines, ditches and canals.

The Vendor further declared and warranted that they is the sole and only owner (s) of said above described property and that said above described property is free from any mortgage, lien, judgment or any encumbrance whatsoever, except as above stated.

TO HAVE AND TO HOLD all of said property unto the UNITED STATES OF AMERICA and its assigns forever.

This sale is made and accepted for and in consideration of the price and sum of SIXTY NINE THOUSAND AND NO/100------ $69,000.00---------- DOLLARS which the said Purchaser has well and truly paid, in ready and current money to the said Vendor, who hereby acknowledges the receipt thereof and grants full acquittance and discharge therefor.

According to the certificates of the Register of Conveyances and Recorder of Mortgages in and for the Parish of Jefferson, State of Louisiana, annexed hereto, it appears that said property has not been heretofore alienated by the present Vendor, and is free of all encumbrances.

The above described property is being acquired by the Department of the Interior, National Park Service.

THUS DONE AND PASSED, in triplicate originals, in my office in Metairie, Louisiana, Jefferson Parish, on the day, in the month and year herein first above written, in the presence of _____

THE UNDERSIGNED and _____, competent witnesses, who hereunto sign their names with the said appearers, and me, Notary, after reading the whole.

WITNESSES:

Eugene J. LeBeouf

Lisa G. Benoit

Regina Dauenhauer Gaudet

REGINA DAUENHAUER GAUDET

VERONICA MC CUNE EDWARDS, appearing herein through her agent and attorney in fact: JAMES K. GAUDET

DARLENE SANSONE RANSON NOTARY PUBLIC

Office of: RAOUL A. GALAN, JR., Clerk of Court
24th Judicial District Court, Parish of Jefferson, Gretna, La.

Recordation Certificate No. 84 41228

I hereby certify that the act of Cash Sale

Filed with this office on 8-29-84

At 11:21 A.M.

ACT OF SALE

BY: RICHARD WHITE, ET AUX

TO: THE UNITED STATES OF AMERICA

UNITED STATES OF AMERICA

STATE OF LOUISIANA

PARISH OF JEFFERSON

BE IT KNOWN, That on this 24th day of the Month of OCTOBER, in the year of our Lord one thousand nine hundred and EIGHTY FIVE, and of the Independence of the United States of America, the two hundred and TENTH (210).

BEFORE ME, DIANE M. GRAVOIS, a Notary Public, duly commissioned and qualified in and for the Parish of JEFFERSON, State of Louisiana, therein residing, and in the presence of the witnesses hereinafter named and undersigned:

PERSONALLY CAME AND APPEARED:

SEE EXHIBIT "B"

Who declare that they do by these presents, grant, bargain, sell, convey, transfer, assign, setover, abandon and deliver, with all legal warranties and with full substitution and subrogation in and to all rights and actions of warranty which they have or may have against all preceding owners and vendors, unto

THE UNITED STATES OF AMERICA

and its assigns forever, the following described property, excepting all minerals in Jefferson Parish, Louisiana, to-wit:

SEE DESCRIPTION OF PROPERTY ON EXHIBIT "A"
ATTACHED HERETO AND MADE A PART HEREOF

together with all right, title and interest of the vendor in and to water rights, banks, beds and waters of any stream or river bordering or traversing the said land, (including tide lands, or lands comprising the shores or bottoms of navigable rivers, lakes, bays, ocean or gulf, or lands beyond the line of the harbor or bulkhead lines as established or changed

by the United States Government, or water rights, if any, appurtenant to or abutting or adjoining said land), and in and to any alleys, roads, streets, ways, adjoining lands or parcels, party walls, strips, gores, or railroad rights-of-way abutting or adjoining said land and in any means of ingress or egress appurtenant thereto.

The land is conveyed subject to existing easements of record for public roads and highways, public utilities, railroads, pipelines, ditches and canals.

The Vendor further declared and warranted that they are ~~is~~ the sole and only owner (s) of said above described property and that said above described property is free from any mortgage, lien judgment or any encumbrance whatsoever, except as above stated.

TO HAVE AND TO HOLD all of said property unto the UNITED STATES OF AMERICA and its assigns forever.

This sale is made and accepted for and in consideration of the price and sum of $27,000.00 -- TWENTY SEVEN THOUSAND AND NO/100----- ---------- DOLLARS which the said Purchaser has well and truly paid, in ready and current money to the said Vendor, who hereby acknowledges the receipt thereof and grants full acquittance and discharge therefor.

According to the certificates of the Register of Conveyances and Recorder of Mortgages in and for the Parish of Jefferson, State of Louisiana, annexed hereto, it appears that said property has not been heretofore alienated by the present Vendor, and is free of all encumbrances.

The above described property is being acquired by the Department of the Interior, National Park Service.

EXHIBIT "A"

JEAN LAFITTE NATIONAL HISTORICAL PARK

TRACT 101-06

All that tract or parcel of land lying and being in Section 10, Township 15 South, Range 23 East, Southeast District, Jefferson Parish, Louisiana, and being more particularly described as follows:

> Beginning at a stake on the Northerly bank of Bayou Barataria, said stake being located a distance of 480 feet as measured at right angles from the Westerly line of said Section 10, and being a corner of lands now or formerly owned by Casimir Dauenhauer; thence North 33°30' West along the line of said Dauenhauer and along the line of lands now or formerly owned by Barataria Plantation Company (Tract C) a distance of 17,691.20 feet, more or less, to the Northwesterly line of said Section 10, said point being located a distance of 480 feet from the Northwest corner of Section 10; thence along the Northwesterly line of Section 10, North 56°30' East 96 feet to the corner of lands now or formerly owned by the Barataria Plantation Company (Tract B); thence, South 33°30' East along the line of said Barataria Plantation Company (Tracts B and A) a distance of 17,691.20 feet, more or less, to a stake on the Northerly bank of Bayou Barataria; thence Westerly along the Northerly bank of Bayou Barataria, a distance of 96 feet, more or less, to the Point of Beginning.

Containing 39.00 acres, more or less.

Being the same land described in a Deed to W. Richard White, et al., from Mrs. Tieme C. Munch Bessason (or Besson), et al., registered in C.O.B. 304, Page 560, dated June 29, 1951, as well as by Judgment of Possession in the Succession of Edward C. Munch, registered in C.O.B. 773, Page 995, dated October 17, 1972, and by Judgment of Possession in the Succession of Clem Perrin, registered in C.O.B. 939, Folio 907, dated October 2, 1978, all of the aforementioned in the Office of the Clerk of Court, Jefferson Parish, Louisiana.

SUBJECT TO:

1. That Right of Way granted by Ruth Perrin Adam, et al. to Louisiana Power and Light Company dated August 12, 1975, and registered in C.O.B. 842, Folio 916, Entry No. 689338.

2. That Right of Way granted by W. Richard White, et al. to Louisiana Power and Light Company dated August 21, 1975, and registered in C.O.B. 842, Folio 915, Entry No. 689337.

3. That Right of Way granted by Clem Perrin, et al., to United Gas Pipeline Company dated August 4, 1953, registered in C.O.B. 343, Folio 370, Entry No. 19142.

4. That Right of Way granted by W. Richard White, et al. to Louisiana Power and Light Company, dated June 4, 1963, registered in C.O.B. 582, Folio 307, Entry No. 276464.

5. That Right of Way secured by Louisiana Power and Light Company from Edwin Munch by Judgment dated June 18, 1965, registered in C.O.B. 616, Folio 589, Entry No. 330682.

AND NOW INTO THESE PRESENTS PERSONALLY CAME AND INTERVENED:

WILLIAM ADAM, a person of the full age of majority who declared before me, Notary, that the property herein conveyed is the separate and paraphernal property of his wife, Ruth Perrin Adam, administered separately and apart by her , and appearing herein to acknowledge the paraphernality of the funds so utilized and that the hereinbelow described property is the separate and paraphernal property of his wife;

JEANNIE , a person of the full age of majority who declared before me, Notary, that the property herein conveyed is the separate and paraphernal property of her husband, Gerald J. Pitre, Jr., administered separately and apart by him, and appearing herein to acknowledge the paraphernality of the funds so utilized and thatthe hereinbelow described property is the separate and paraphernal property of her husband;

JULES POLKEY, a person of the full age of majority who declared before me, Notary, that the property herein conveyed is the separate and paraphernal property of his wife Evelyn Perrin Polkey, administered separately and aparty by her, and appearing herein to acknowledge the paraphernality of the funds so utilized and that the hereinbelow described property is the separate and paraphernal property of his wife;

BRENDA GUIDRY PERRIN, a person of the full age of majority who declared before me, Notary, that the property herein conveyed is the separate and paraphernal property of her husband, Morgan M. Perrin, administered separately and apart by him, and appearing herein to acknowledge the paraphernality of the funds so utilized and that the hereinbelow described property is the separate and paraphernal property of her husband.

MARITAL STATUS OF THE SELLERS:

HELEN HOCK WIFE OF/AND M. RICHARD WHITE, both persons of the full age of majority who declared under oath to me, Notary, that they have been married but once and to each other and are presently living and residing together at: 920 Huey P. Long Avenue, Gretna, La. 70053.

GERALD J. PITRE, JR., a person of the full age of majority who declared under oath to me, Notary, that he has been married but once and to Jeannie with whom he is presently living and residing together at;

FLORENCE R. HECK MUNCH, a person of the full age of majority who declared under oath to me, Notary, that she has been married but once and to Edward Munch who predeceased her and has not since remarried, presently living and residing at; 89 5th Street, Gretna, La. 70054.

MARIE GERETA WIFE OF/AND CLEM PERRIN, JR., both persons of the full age of majority who declared under oath to me, Notary, that they have been married but once and to each other and are presently living and residing together at; 151 Sedgefield Drive, Harahan, La. 70123

RUTH PERRIN ADAM, a person of the full age of majority who declared under oath to me, Notary, that she has been married but once and to William Adam, and they are presently living and residing together at; Box 141, Lafitte, La. 70067.

ESTHER PERRIN ADAM, a person of the full age of majority who declared under oath to me, Notary, that she has been married but once and to Alvin J. Adam, who predeceased her and she has not since remarried, she is presently living and residing at: Box 527-B, Lafitte, La. 70067.

EVELYN PERRIN POLKEY, a person of the full age of majority who declared under oath to me, Notary, that she has been married but once and to Jules Polkey, with whom she is presently living and residing together with at; Box 527-B, Lafitte, La. 70067.

MORGAN M. PERRIN, a person of the full age of majority who declared under oath to me, Notary, that he has been married but once and to Brenda Guidry, with whom he is presently living and residing together with at; Box 530, Lafitte, La. 70067

THUS DONE AND PASSED, in triplicate originals, in my office in Metairie, Louisiana, Jefferson Parish, on the day, in the month and year herein first above written, in the presence of _____ PHYLLIS HODGE and KRISTIN SPRUELL, competent witnesses, who hereunto sign their names with the said appearers, and me, Notary, after reading the whole.

WITNESSES:

PHYLLIS HODGE

KRISTIN SPRUELL

INTERVENORS:

JEANNIE PITRE

WILLIAM ADAM

JULES POLKEY

BRENDA GUIDRY PERRIN

W. RICHARD WHITE

HELEN HOCK WHITE

GERALD J. PITRE, JR.

FLORENCE R. HECK MUNCH

CLEM PERRIN, JR.

MARIE GEBBIA PERRIN

RUTH PERRIN ADAM

ESTHER PERRIN ADAM

EVELYN PERRIN POLKEY

MORGAN M. PERRIN

DIANE M. GRAVOIS

NOTARY PUBLIC

BE IT KNOWN, That on this fifth (5th) day of the Month of November, in the year of our Lord one thousand nine hundred and eighty-one (1981), and of the Independence of the United States of America, the two hundred and fifth (205th)

BEFORE ME, PAULA R. GEORGE, a Notary Public, duly commissioned and qualified in and for the Parish of Jefferson, State of Louisiana, therein residing, and in the presence of the witnesses hereinafter named and undersigned:

PERSONALLY CAME AND APPEARED:

INEZ COMPANY, a corporation organized under the laws of the State of Louisiana, having its principal place of business at 1224 First National Bank of Commerce Building, New Orleans, Louisiana, 70112, herein appearing by and through C. C. Clifton, Jr., its President, duly authorized by the Minutes of a Special Meeting of the Directors of Inez Company, dated September 16, 1981, a certified copy of which is annexed hereto.

Who declare that it does by these presents grant, bargain, sell, convey, transfer, assign, setover, abandon and deliver, with all legal warranties and with full substitution and subrogation in and to all rights and actions of warranty which it has or may have against all preceding owners and vendors, unto

THE UNITED STATES OF AMERICA

and its assigns forever, the following described property, excepting all minerals in Jefferson Parish, Louisiana, to-wit:

See Declaration of Property
Attached hereto and made a
part hereof

together with all right, title and interest of the vendor in and to water rights, banks, beds and waters of any stream or river bordering or traversing the said land, including side lands, or lands comprising the shores or bottoms of navigable rivers, lakes, bays, ocean or gulf, or lands beyond the line of the harbor or bulkhead lines as established or changed

EXHIBIT "A"

All that tract or parcel of land lying and being in Sections 10 and 62, Township 15 South, Range 23 East, Louisiana Meridian, Jefferson Parish, Louisiana, more fully shown as Tract B on a plat of survey prepared by Candolfo, Kuhn, and Associates, Civil Engineers-Surveyors, dated May 9, 1969, and being more particularly described as follows:

> Commencing at a 4 inch concrete monument on the westerly line of Section 10 and easterly line of Section 19, said line being the westerly line of lands now or formerly owned by Casimir Dauenhauer, said monument being located about 300.00 feet northerly of Bayou Barataria and having Louisiana Plane Lambert Coordinates of X = 2,381,517.26, Y = 399,052.25; thence at right angles to said section line, North 55°06'44" East 576.00 feet to the easterly line of lands now or formerly owned by T. C. Munch; thence North 34°53'19" West along same 300.00 feet to the northwest corner of Tract A, the southwest corner of Tract B and the point of beginning, said point being approximately 1202.00 feet from Bayou Barataria; thence along the easterly line of lands now or formerly owned by T. C. Munch and along the westerly line of said Tract B, North 34°53'19" West 17,428.10 feet to a point in the southerly line of Section 5 and the line of lands now or formerly owned by the Louisiana Sand and Exploration Company, said point being the northeasterly corner of lands now or formerly owned by T. C. Munch; thence along the southerly line of lands now or formerly owned by Louisiana Sand and Exploration Company (Sections 5 and 4) North 55°06'41" East 5184.00 feet to the westerly line of lands now or formerly owned by Charity Hospital of New Orleans; thence along said line South 34°53'19" East 19,328.10 feet to the northeast corner of Tract A, now or formerly owned by Barataria Plantation Company; thence along same South 80°58'00" West 2522.48 feet; thence continuing along same, South 70°27'47" West 3021.82 feet to the point of beginning.

Containing 2171.00 acres, more or less.

Being a portion of the same lands conveyed to Barataria Plantation Company and Inez Company, respectively, by Whitney National Bank of New Orleans, Trustee for New Orleans Plantation Trust, by deed dated August 8, 1969, and recorded in C.O.B. 702, Folio 647, Clerk of Court, Parish of Jefferson, Louisiana.

SUBJECT TO:

1. That Right-of-Way granted by New Orleans Plantation Trust to United Gas Pipeline Company dated June 12, 1953, and registered in C.O.B. 343, Folio 269, Entry No. 49013.

2. That Mineral Lease granted by New Orleans Plantation Trust to Anderson-Prichard Oil Corporation dated August 15, 1955, and registered in M.L.B. 16, Folio 47, Entry No. 64507.

3. That Right-of-Way granted by New Orleans Plantation Trust to Louisiana Power & Light Company dated April 5, 1957, and registered in C.O.B. 422, Folio 470, Entry No. 98514.

4. That Right-of-Way granted by New Orleans Plantation Trust to United States of America dated May 31, 1957, and registered in C.O.B. 426, Folio 53.

5. That Right-of-Way granted by New Orleans Plantation Trust to Shell Pipeline Corporation dated June 25, 1958, and registered in C.O.B. 451, Folio 51, Entry No. 126468.

6. That Mineral Lease granted by New Orleans Plantation Trust to Roger H. Ogden, dated November 12, 1962, registered in Mineral Lease Book 23, Folio 63, Entry No. 245723.

7. That Trapping Lease granted by Inez Company to Edgar Mamolo dated August 8, 1969, registered in C.O.B. 721, Folio 155, Entry No. 496388.

8. That Mineral Lease granted by New Orleans Plantation Trust to Wolff Petroleum Company, Inc., dated December 5, 1978, registered in C.O.B. 34, Folio 748, Entry No. 861962.

9. That one-half mineral interest reserved in that sale by New Orleans Plantation Trust to Barataria Plantation Company and Inez Company dated August 9, 1969, registered in C.O.B. 702, Folio 647, Entry No. 466591.

by the United States Government, or other rights, if any, appurtenant to or abutting or adjoining said land, and to any alleys, roads, streets, ways, adjoining lands or parcels, party walls, strips, gores, or railroad rights-of-way abutting or adjoining said land and to any means of ingress or egress appurtenant thereto.

The Vendor specifically reserves perpetually and forever, and excepts the following rights and interest, all oil, gas and other minerals, in, on and under the property described on Exhibit A hereto.

The land is conveyed subject to existing easements of record for public roads and highways, public utilities, railroads, pipelines, ditches and canals.

The Vendor further declared and warranted that it is the sole and only owner of said above described property and that said above described property is free from any mortgage, lien, judgment or any encumbrance whatsoever, except as above stated.

TO HAVE AND TO HOLD all of said property unto the UNITED STATES OF AMERICA, and its assigns forever.

This sale is made and accepted for and in consideration of the price and sum of ---------EIGHT HUNDRED FIFTY-NINE THOUSAND SEVEN HUNDRED SIXTEEN AND NO/100----------($859,716.00)---------DOLLARS, which the said Purchaser has well and truly paid, in ready and current money to the said Vendor, who hereby acknowledges the receipt thereof and grants full acquittance and discharge therefor.

According to the certificates of the Register of Conveyances and Recorder of Mortgages in and for the Parish of Jefferson, State of Louisiana, annexed hereto, it appears that said property has not ben heretofore alienated by the present Vendor, and is free of all encumbrances.

The above described property is being acquired by the Department of the Interior, National Park Service.

THUS DONE AND PASSED, in triplicate originals, in my office in Metairie, Louisiana, Jefferson Parish, on the day, in the month and year herein first above written, in the presence of

EILEEN L. BRASSETTE and M. TRUMAN WOODWARD, competent witnesses, who hereunto sign their names with the said appearers, and me, Notary, after reading of the whole.

WITNESSES:

Eileen L. Brassette

M. Truman Woodward

INEZ COMPANY

BY:

C. C. CLIFTON, JR., President

BY:

WILLIAM O. TURNER, Secretary

Paula R. George

PAULA R. GEORGE
NOTARY PUBLIC

Registered in COB 1014 Folio 669
Recorded in MOB ____ Folio ____
Parish of Jefferson, Louisiana
Date November 5, 1981

FILED FOR RECORD

ACT OF SALE

UNITED STATES OF AMERICA

MAR 22 11 40 AM '85

BY: BARATARIA PLANTATION COMPANY

CLERK OF COURT STATE OF LOUISIANA
PARISH OF JEFFERSON LA

TO: THE UNITED STATES OF AMERICA PARISH OF JEFFERSON

BE IT KNOWN, That on this 22nd day of the Month of MARCH, in the year of our Lord one thousand nine hundred and EIGHTY FIVE, and of the Independence of the United States of America, the two hundred and NINTH.

BEFORE ME, DIANE M. GRAVOIS, a Notary Public, duly commissioned and qualified in and for the Parish of JEFFERSON, State of Louisiana, therein residing, and in the presence of the witnesses hereinafter named and undersigned:

PERSONALLY CAME AND APPEARED:

BARATARIA PLANTATION COMPANY, in Liquidation, a Corporation organized under the laws of the State of Louisiana, and now in liquidation represented by C.C. Clifton, Jr., liquidator under authority and by virtue of the unanimous consent agreement of the stockholders of said corporation, a copy whereof is hereunto annexed.

MAILING ADDRESS 1100 Whitney Building, New Orleans, La. 70130

Who declare that it does xdo by these presents, grant, bargain, sell, convey, transfer, assign, setover, abandon and deliver, with all legal warranties and with full substitution and subrogation in and to all rights and actions of warranty which it has or may have against all preceding owners and vendors, unto

THE UNITED STATES OF AMERICA

and its assigns forever, the following described property, excepting all minerals in Jefferson Parish, Louisiana, to-wit:

SEE DESCRIPTION OF PROPERTY ON EXHIBIT "A"
ATTACHED HERETO AND MADE A PART HEREOF

together with all right, title and interest of the vendor in and to water rights, banks, beds and waters of any stream or river bordering or traversing the said land, (including tide lands, or lands comprising the shores or bottoms of navigable rivers, lakes, bays, ocean or gulf, or lands beyond the line of the harbor or bulkhead lines as established or changed

EXHIBIT "A"

JEAN LAFITTE NATIONAL HISTORICAL PARK

TRACT 101-22

All that tract or parcel of land lying and being in Section 10, Township 15 South, Range 23 East, Louisiana Meridian, Jefferson Parish, Louisiana, more fully shown as Tract A on a plat of survey prepared by Gandolfo, Kuhn, and Associates, Civil Engineers-Surveyors, dated May 9, 1969, and being more particularly described as follows:

Commencing at a 4-inch concrete monument on the westerly line of Section 10 and easterly line of Section 19, said line being the westerly line of lands now or formerly owned by Casimir Dauenhauer, said monument being located about 300.00 feet northerly of Bayou Barataria and having Louisiana Plane Lambert Coordinates of X = 2,381,517.26, Y = 399,052.25; thence at right angles to said section line, North 55°06'41" East 576.00 feet to the easterly line of lands now or formerly owned by T. C. Munch, the point of beginning; thence North 34°53'19" West along same 800.00 feet to the northwest corner of Tract A, the southwest corner of Tract B, now or formerly owned by Inez Company; thence along the South line of Tract B, now or formerly owned by Inez Company, North 70°27'47" East 3021.82 feet; thence continuing along same, North 80°58'00" East 2522.48 feet to the northeast corner of Tract A, the southeast corner of Tract B and the west line of lands now or formerly owned by Charity Hospital of New Orleans; thence along lands of same South 34°53'19" East 1402.00 feet, more or less, to Bayou Barataria; thence westerly and downstream along Bayou Barataria, a distance of 5650.00 feet, more or less, to the easterly line of lands now or formerly owned by T. C. Munch; thence along the easterly line of T. C. Munch, North 34°53'19" West 402.00 feet, more or less, to the point of beginning.

Less and except that certain 4 acre tract of land sold by the Whitney National Bank of New Orleans, Trustee of New Orleans Plantation Trust, to the Louisiana Power and Light Company by deed recorded in C.O.B. 434, Folio 185, said tract being located in the southwesterly portion of Tract A, and as shown on said plan by Gandolfo, Kuhn, and Associates, Civil Engineers-Surveyors, dated May 9, 1969, as "Barataria Sub Station."

Containing 140.00 acres, more or less.

Being the same lands conveyed to Barataria Plantation Company by Whitney National Bank of New Orleans, Trustee for New Orleans Plantation Trust, by deed dated August 8, 1969, and recorded in C.O.B. 702, Folio 647, Clerk of Court, Parish of Jefferson, Louisiana.

Subject to:

1. That Right-of-Way granted by New Orleans Plantation Trust to Louisiana Power & Light Company dated April 5, 1957, registered in C.O.B. 422, Folio 470, Entry No. 98514.

2. That Surface Lease granted by Barataria Plantation Company to Mrs. Eliza Hebert Mamolo and Onile Vincent Hebert dated 3-22-85, registered in C.O.B. 1210, Folio 195, Entry No. 156210.

3. That Right-of-Way granted by New Orleans Plantation Trust to Louisiana Power & Light Company, dated August 17, 1965, registered in C.O.B. 620, folio 471, Etnry No. 336688

by the United States Government, or water rights, if any, appurtenant to or abutting or adjoining said land), and in and to any alleys, roads, streets, ways, adjoining lands or parcels, party walls, strips, gores, or railroad rights-of-way abutting or adjoining said land in any means or ingress or egress appurtenant thereto.

The Vendor specifically reserves for itself, its successors and assigns perpetually and forever, and excepts from this sale the following rights and interests, all oil, gas and other minerals, in, on and under the property described on Exhibit "A", hereto pursuant to Louisiana Revised Statutes 31:149 et seq.

The land is conveyed subject to existing easements of record for public roads and highways, public utilities, railroads, pipelines, ditches and canals.

The Vendor further declared and warranted that it is the sole and only owner of said above described property and that said above described property is free from any mortgage, lien, judgment or any encumbrance whatsoever, except as above stated.

TO HAVE AND TO HOLD all of said property unto the UNITED STATES OF AMERICA, and its assigns forever.

This sale is made and accepted for and in consideration of the price and sum of ONE MILLION FIVE HUNDRED FORTY THOUSAND AND NO/100---------- ---------- $1,540,000.00---------- DOLLARS, which the said Purchaser has well and truly paid, in ready and current money to the said Vendor, who hereby acknowledges the receipt thereof and grants full acquittance and discharge therefor.

According to the certificates of the Register of Conveyances and Recorder of Mortgages in and for the Parish of Jefferson, State of Louisiana, annexed hereto, it appears that said property has not been heretofore alienated by the present Vendor, and is free of all encumbrances.

The above described property is being acquired by the Department of the Interior, National Park Service.

THUS DONE AND PASSED, in triplicate originals, in my office in Metairie, Louisiana, Jefferson Parish, on the day, in the month and year herein first above written, in the presence of _____

THE UNDERSIGNED ~~and~~ _____, competent witnesses, who hereunto sign their names with the said appearers, and me, Notary, after reading the whole.

BARATARIA PLANTATION COMPANY, in Liquidation

WITNESSES:

BY: _____
C.C. CLIFTON, JR., Liquidator

_____

_____

_____
DIANE M. GRAVOIS

_____
NOTARY PUBLIC

FILED FOR RECORD
MAR 22 11 40 AM '85
CLERK OF COURT
PARISH OF JEFFERSON LA

Kenner, La 70062

SURFACE LEASE 8512210

BY

BARATARIA PLANTATION COMPANY

TO

MRS. ELIZA HEBERT, WIDOW OF NATELIE HEBERT,
NOW WIFE OF EDGAR MAMOLO

AND

ONILE VINCENT HEBERT

THIS INSTRUMENT executed this 31 day of January, 1985, by and between Barataria Plantation Company, a Louisiana corporation, herein appearing through C. C. Clifton, Jr., its President, duly authorized, and Mrs. Eliza Hebert, widow of Natelie Hebert, now wife of Edgar Mamolo, and Onile Vincent Hebert (lessees), both residents of Jefferson Parish, Louisiana

W I T N E S S E T H :

Barataria Plantation Company does hereby lease to Mrs. Eliza Hebert, widow of Natelie Hebert, and to Onile Vincent Hebert, the surface of the following described property, situated in Jefferson Parish, Louisiana, to-wit:

> A CERTAIN LOT OF GROUND measuring 300' in width along Bayou Barataria, with a depth of 400' from said Bayou, the center of said lot being located 4,150' (measuring along the center line of the road traversing the aforesaid property roughly paralleling Bayou Barataria) from the section line separating Section 10, T15S, R23E, from Section 19, T15S, R23E, and which center point of said lot coincides approximately with the center of the house on said property which is presently occupied by the said Mrs. Mamolo.

for and in consideration of the price and sum of Five Dollars ($5.00) cash in hand paid by the said Mrs. Mamolo and her son, Onile Vincent Hebert, and the annual rental of Five Dollars ($5.00) per year. Barataria also leases to the said

Mrs. Mamolo and the said Onile Vincent Hebert a space along the bank of Bayou Barataria not over forty-five (45') feet in length for the mooring of any boat belonging to either lessee not used for commercial purposes and not in excess of forty-five (45') feet in length, such landing to be immediately in front and south of the residence now occupied by the said Mrs. Mamolo and may be used for the said mooring only while at least one of the lessees is actually living in the said residence.

The term of this lease shall continue during the entire lifetime of both lessees, until the death of the last to die, or until both of them shall move from the premises and leave the premises vacant for at least ninety (90) days.

Lessees agree to oversee and protect the entire property of Lessor against any trespassers that may seek to go upon the said property.

Barataria and lessees agree that the buildings on the said leased property belong to lessees and may be moved by lessees or their heirs at the termination of this lease.

This lease sets forth the entire understanding between the parties and supersedes all prior agreements and contracts whether written or oral.

IN WITNESS WHEREOF, the parties hereto have executed this instrument as aforesaid.

WITNESSES:

Leonora S. Daniel

Charles W. Wall

Judy Hebert

Charles W. Wall

Judy Hebert

BARATARIA PLANTATION COMPANY

By: _____

LESSOR

Eliza Hebert Mamolo

MRS. ELIZA HEBERT MAMOLO

LESSEE

Onile Vincent Hebert

ONILE VINCENT HEBERT

LESSEE

Form 2215—RW— 8 53

NIKEMILE – BARATARIA LINE

LOUISIANA POWER & LIGHT COMPANY
RIGHT OF WAY PERMIT

APR 23 1953

98514

STATE OF LOUISIANA,
PARISH OF Orleans

KNOW ALL MEN BY THESE PRESENTS: That Whitney National Bank of New Orleans, Trustee for New Orleans Plantation Trust, Whitney Building, New Orleans, Louisiana

035-1

of lawful age, resident of _____ State of _____

Grantor, in the consideration of the sum of Three Thousand, Four Hundred Eighty-Two and 50/100

Dollars ($3,482.50), cash in hand paid, and other valuable considerations, receipt of which is hereby acknowledged, does, by these presents, grant, convey, warrant and deliver unto LOUISIANA POWER & LIGHT COMPANY, its successors and assigns (herein called Grantee), the right, privilege and easement forever to construct, operate and maintain a transmission line, consisting of a single or double line of poles and/or towers, with such wires, cables and other appurtenances thereto as may be necessary or convenient, for the transmission of electric energy and/or communications, together with a perpetual Right of Way 100' 175') See right of way description feet in width with the center line of said transmission line as constructed as the center thereof, and the right to open, clear and maintain said Right of Way and to keep the same clear of underbrush, trees and other obstructions which in the judgment of the Grantee might interfere with or constitute a hazard to the operation of said transmission line, and with the free right of ingress and egress to and from and upon said Right of Way for the purpose of constructing, maintaining, repairing, replacing, operating or removing at will said transmission line and appurtenances thereto upon, over and across the following described lands, situate in the Parish of JEFFERSON

State of Louisiana, to-wit: A certain tract of land situated in the Parish of Jefferson, State of Louisiana, located about 3 miles below the settlement of Crown Point, and being part of the Inez Plantation, said tract of land is located in Section 10, Township 15 South, Range 23 East, all as more fully shown on the attached map by Tobin Aerial Surveys attached hereto and made part hereof. Centerline of Right of Way is more fully described as follows:

Beginning at a point located on the property line common to Richard White et al, Grantor, and the northern right of way line of La. Hwy. #301, thence proceeding in a northwesterly direction along the property line common to Richard White et al and Grantor a distance of 416' to a point. Thence turning an angle right and proceeding in a northeasterly direction a distance of 87.5' to the centerline of a 175' right of way and the point of beginning. Thence turning an angle left and continuing said centerline in a northwesterly direction, remaining 87.5' off of and parallel to the property line common to Richard White et al and Grantor, for a distance of 3200'. Thence turning an angle of 90 degrees left and proceeding in a southwesterly direction a distance of 37.5' to a new centerline of the 100' right of way. Thence turning an angle of 90 degrees right and, remaining 50' off of and parallel to the property line common to Richard White et al and Grantor, proceeding in a northwesterly direction a distance of 4580' to a point, thence turning an approximate angle of 20 degrees right and proceeding in a northerly direction a distance of 11,500' to the section line common to Section 10 and Section 5 of Township 15 South, Range 23 East and the end of the proposed 100' right of way.

Commencing at a point located on the property line common to Richard White et al, Grantor, and the southern right of way line of La. Hwy. #301, thence proceeding in a northeasterly direction along said right of way line of La. State Hwy. #301 for a distance of 87.5' to a point and the point of beginning of the centerline of the proposed 175' right of way, thence turning an angle right and proceeding in a southerly direction, remaining 87.5' off of and parallel to said property line common to Richard White et al and Grantor, to the intersection of Bayou Barataria and the end of the proposed 175' right of way.

Registered Apr. 23, 1953 at 4:22 P.M. and recorded in Conveyance Book 423 Folio 470
Mary M. Lilly
Dy. Clerk of Court

WITNESSES:
Yvonne H. Gifford
J. Robert Monroe

Whitney National Bank of New Orleans,
Trustee for New Orleans Plantation Trust
By Donald W. Perelli
Donald W. Perelli
Assistant Trust Officer

STATE OF LOUISIANA,
PARISH OF Orleans

Before me, the undersigned authority, personally came and appeared Yvonne H. Gifford who being first duly sworn, did depose and say that he signed the within foregoing instrument as a witness, in the presence of the Grantor and another subscribing witness, all of whom signed in his presence, each signing in the presence of all the others, and that all of said signatures thereto are genuine and correct.

Yvonne H. Gifford

Sworn to and subscribed before me this 15 day of April A. D. 1953

Barthelme H. Rushton
Notary Public.

FOR-2113—SM— 8 53

NINEMILE - BARATARIA LINE

LOUISIANA POWER & LIGHT COMPANY

RIGHT OF WAY PERMIT

APR 28 1957

98514

STATE OF LOUISIANA,

PARISH OF Orleans

KNOW ALL MEN BY THESE PRESENTS: That Whitney National Bank of New Orleans, Trustee for New Orleans Plantation Trust

The Grantee shall also have the right and privilege forever to patrol, alter, inspect, improve, repair, and remove such poles, wires, cables, attachments, equipment and appurtenances, including the right to increase or decrease the number of wires, poles or attachments, and all other rights and privileges necessary or convenient for the full use and enjoyment of the Right of Way herein granted for the purposes herein described, including the right of ingress and egress to and from said Right of Way over adjoining lands of the Grantor.

To have and to hold said Right of Way and privileges unto the Purchaser, its successors and assigns, forever, subject to the conditions and limitations herein contained.

It is stipulated that said line and Right of Way shall never be fenced by the Grantee and that the Grantor shall have full use of said Right of Way and the right to cultivate and otherwise use said Right of Way, except for the purposes for which the same is herein conveyed to the Grantee.

It is understood that in granting this Right of Way and easement the following items are included and settled by the execution hereof:

The Grantee hereby agrees to pay any other damages, not included in the above settlement, which may be inflicted by it in the construction and maintenance of the said lines, provided an itemized claim thereof shall be presented by the Grantor in writing to the office of the Grantee at GRETNA, Louisiana, within thirty days after the damage is done; said damages, if not mutually agreed upon, to be ascertained and determined by three disinterested persons, one of whom shall be appointed by the Grantor, one by the Grantee, and the third by the two so appointed, and the award of such three persons shall be final and conclusive.

The Grantee shall have the right to remove trees adjacent to said Right of Way which are or may become tall enough to constitute a hazard to the use of said transmission line, and shall pay to the Grantor the value of such trees, as timber, when removed.

In further consideration of the price herein stated, so long as it maintains a transmission line upon the above described Right of Way, the Grantee, its successors and assigns, is granted the option or right to purchase an additional Right of Way, fifty feet in width adjoining and parallel to said above described Right of Way, for the construction, operation and maintenance of an additional electric transmission line, subject to the same terms and conditions hereinabove stipulated, and shall pay to the then owner of said land for such additional Right of Way the same price per square acre as is paid for the Right of Way herein conveyed.

IN WITNESS WHEREOF, the Grantor signs this instrument at New Orleans, Louisiana on this 5th day of April 19 57, in the presence of two competent witnesses, who sign, as such, with the Grantor after due reading.

WITNESSES:

Yvonne G. Gifford

Barbara Monroe

Whitney National Bank of New Orleans,
Trustee for New Orleans Plantation Trust

By Donald W. Ferelli

Donald W. Ferelli
Assistant Trust Officer

STATE OF LOUISIANA,

PARISH OF Orleans

Before Me, the undersigned authority, personally came and appeared Yvonne G. Gifford who being first duly sworn, did depose and say that he signed the within foregoing instrument as a witness, in the presence of the Grantor and another subscribing witness, all of whom signed in his presence, each signing in the presence of all the others, and that all of said signatures thereto are genuine and correct.

Yvonne G. Gifford

Sworn to and subscribed before me this 5 day of April A. D. 19 57

Barthelemi A. Lanham
Notary Public.

RIGHT OF WAY PERMIT

— TO —

LOUISIANA POWER & LIGHT COMPANY

Filed_____, 19____,

at_____ o'clock_____ m., and

duly recorded in_____

Book_____ Page_____

Witness my hand and seal of office_____

_____

_____

Clerk and Ex-Officio Recorder.

FORM 2113—5M— 8 53

Baratria - Golden Meadow 110 KV line — LINE 27

LOUISIANA POWER & LIGHT COMPANY
RIGHT OF WAY PERMIT

26

STATE OF LOUISIANA,

PARISH OF Jefferson

KNOW ALL MEN BY THESE PRESENTS: That ESTATE OF MARGARET THORNE herein represented by Mrs. Mildred T. Bryan, and Mrs. Mary T. Malone

of lawful age, resident of ..... State of .....

Grantor, in the consideration of the sum of ONE THOUSAND NINE HUNDRED NINETY-TWO

Dollars ($ 1,992.00), cash in hand paid, and other valuable considerations, receipt of which is hereby acknowledged, does, by these presents, grant, convey, warrant and deliver unto LOUISIANA POWER & LIGHT COMPANY, its successors and assigns (herein called Grantee), the right, privilege and easement forever to construct, operate and maintain a transmission line, consisting of a single or double line of poles and/or towers, with such wires, cables and other appurtenances thereto as may be necessary or convenient, for the transmission of electric energy and/or communications, together with a perpetual Right of Way 100 feet in width with the center line of said transmission line as constructed as the center thereof, and the right to open, clear and maintain said Right of Way and to keep the same clear of underbrush, trees and other obstructions which in the judgment of the Grantee might interfere with or constitute a hazard to the operation of said transmission line, and with the free right of ingress and egress to and from and upon said Right of Way for the purpose of constructing, maintaining, repairing, replacing, operating or removing at will said transmission line and appurtenances thereto upon, over and across the following described lands, situate in the Parish of JEFFERSON State of Louisiana, to-wit:

A certain tract or portion of ground, together with all the buildings and improvements thereon, all rights, ways, privileges, servitudes, and advantages thereunto belonging or in anywise appertaining, situated in the District of Barataria, Parish of Jefferson, State of Louisiana, in Section 19, Township 15 South, Range 23 East, in the Southeastern District of Louisiana, west of the Mississippi River, and according to a plan showing subdivision of said Section 19, Township 15 South, Range 23 East, made by W. A. Blalock, C. E., dated New Orleans, Louisiana, September 15, 1919, revised April 25, 1923 by James S. Webb, C. E., said tract or portion of ground is more fully described as follows to wit:

Beginning at a point on the right descending bank of Bayou Barataria, at its intersection with the right descending bank of Bayou Dauphine, running thence north thirty-three degrees, thirty minutes (33° 30') west, for a distance of seven thousand six hundred eighty feet (7680') to a point; thence running south twenty-three degrees, thirty minutes (23° 30') west to a point on the northern side of Bayou Villars, to the right descending bank of Bayou Barataria, thence following the west shore line of Bayou Barataria in a northerly direction to the point of beginning. Being the same property acquired by Mrs. Rose Thorne, wife of Paul Jones, by purchase from Clyde A. McKission by act passed before FRANK J. TILLOTSON, Notary Public in and for this Parish, on the 25th day of May, 1923 registered in COB 58, Folio 225.

at ..... agreed upon, to be ascertained and determined by three disinterested persons, one of whom shall be appointed by the Grantor, one by the Grantee and the third by the two so appointed, and the decision of such three persons shall be final and conclusive.

The Grantee shall have the right to remove trees adjacent to said Right of Way which are or may become tall enough to constitute a hazard to the use of said transmission line, and shall pay to the Grantor the value of such trees, as timber, when removed.

In further consideration of the price herein stated, so long as it maintains a transmission line upon the above described Right of Way, the Grantee, its successors and assigns, is granted the option or right to purchase an additional Right of Way, fifty feet in width adjoining and parallel to said above described Right of Way, for the construction, operation and maintenance of an additional electric transmission line, subject to the same terms and conditions hereinabove stipulated, and shall pay to the then owner of said land for such additional Right of Way the same price per square acre as is paid for the Right of Way herein conveyed.

IN WITNESS WHEREOF, the Grantor signs this instrument at RICHMOND, VIRGINIA on this 20 day of APRIL 1957, in the presence of two competent witnesses, who sign, as such, with the Grantor after due reading.

WITNESSES:
Claude Warren
Miss J. L. Sutton
Mrs Earl Singompeter

Mrs Mildred T. Bryan Ex
Mrs Mary T. Malone Ex

0034454

STATE OF LOUISIANA,

PARISH OF Orleans

Before me, the undersigned authority, personally came and appeared Claude Warren who being first duly sworn, did depose and say that he signed the within foregoing instrument as a witness, in the presence of the Grantor and another subscribing witness, all of whom signed in his presence, each signing in the presence of all the others, and that all of said signatures thereto are genuine and correct.

Claude Warren

Sworn to and subscribed before me this 24th day of April A. D., 1957

Notary Public

.....

.....

.....

.....

The Grantee shall also have the right and privilege forever to patrol, alter, inspect, improve, repair, and remove such poles, towers, lines, wires, cables, attachments, equipment and appurtenances, including the right to increase or decrease the number of wires, poles or structures, and all other rights and privileges necessary or convenient for the full use and enjoyment of the Right of Way herein granted for the purposes herein described, including the right of ingress and egress to and from said Right of Way over adjoining lands of the Grantor.

To have and to hold said Right of Way and privileges unto the Purchaser, its successors and assigns, forever, subject to the conditions and limitations herein contained.

It is stipulated that said line and Right of Way shall never be fenced by the Grantee and that the Grantor shall have full use of said Right of Way and the right to cultivate and otherwise use said Right of Way, except for the purposes for which the same is herein conveyed to the Grantee.

It is understood that in granting this Right of Way and easement the following items are included and settled by the execution hereof:.....

.....

.....

.....

The Grantee hereby agrees to pay any other damages, not included in the above settlement, which may be inflicted by it in the construction and maintenance of the said lines, provided an itemized claim thereof shall be presented by the Grantor in writing to the office of the Grantee

New Orleans 14, ..., Louisiana, within thirty days after the damage is done; said damages, if not mutually

Barataria - Iowa
~~Meadow~~ 115 KV Line

RIGHT OF WAY PERMIT

Estate of Margaret Thornhill

— TO —

LOUISIANA POWER & LIGHT COMPANY

Filed July 3, 1957

at ..... o'clock ..... m., and

duly recorded in .....

Book 427 Page 617

Witness my hand and seal of office .....

s/ M. A. Carso
By ..... Clerk and Ex-Officio Recorder.

United States Department of the Interior
National Park Service

Right-of-Way Permit for
Entergy Louisiana, LLC
Right-of-Way Permit No.: **[RW JELA-2020-01]**

Whereas, on August 30, 2019, Entergy Louisiana, LLC, 9585 Pecue Lane, L-Pecu-2, Baton Rouge, LA 70810 (Permittee) applied to the National Park Service (NPS), United States Department of the Interior for a right-of-way to use or occupy NPS-administered lands or waters within Jean Lafitte National Historic Park and Preserve (Park), a unit of the National Park System, in order to operate and maintain overhead 230 kV electric transmission lines and protective buffer;

Whereas, the Park was established by or pursuant to 16 U.S.C. § 230, *et seq*.;

Whereas, 54 U.S.C. § 100101(a) directs the Secretary of the Interior, acting through the NPS, "to conserve the scenery, natural and historic objects, and wild life" in units of the National Park System and to provide for their enjoyment "in such manner and by such means as will leave them unimpaired for the enjoyment of future generations";

Whereas, 54 U.S.C. § 100101(b)(2) provides that the authorization of activities in the National Park System "shall be construed and the protection, management, and administration of the System units shall be conducted in light of the high public value and integrity of the System and shall not be exercised in derogation of the values and purposes for which the System units have been established, except as directly and specifically provided by Congress";

Whereas, 54 U.S.C. §§ 100902(a) and 100902(b) authorize the Secretary of the Interior to grant rights-of-way over, across, on, or through the Park for the purposes enumerated in those laws and subject to the other conditions in them, provided that the Secretary finds that the rights-of-way are not incompatible with the public interest;

Whereas, the NPS has promulgated regulations, codified at 36 C.F.R. Part 14, governing the issuance, use, and management of rights-of-way over, across, on, or through federally owned or controlled lands administered by the NPS; and

Whereas, the NPS has determined that the proposed use or occupancy of the NPS-administered lands or waters described herein for the operation and maintenance of overhead 230 kV electric transmission lines and protective buffer is not incompatible with the public interest;

Whereas, NPS Special Use Permit No. 2020-0022 covers the continued operation and maintenance of an existing electrical transmission line "through the Barataria Preserve unit of Jean Lafitte National Historical Park and Preserve" – also known as the Barataria to Alliance transmission line.

Whereas, through their application of August 30, 2019, Permittee requested use of an additional 0.494 acres of federally owned land to connect additional transmission lines to Permittee's Barataria to Alliance transmission lines covered under the SUP 2020-0022.

Now, therefore, the NPS, acting pursuant to the authority of 54 U.S.C. § 100902(a) hereby grants to the Permittee this revocable, non-exclusive right-of-way permit (Permit) over and across, the lands or waters described below (Permitted Area). This Permit constitutes only a revocable, non-exclusive license to use or occupy the Permitted Area for the purposes described in the Permit during the term of the Permit. By accepting this Permit, the Permittee agrees to comply with the regulations in 36 C.F.R. Part 14 (or any successor regulations), other applicable laws and regulations, and the terms and conditions set forth in this Permit. The Park's Superintendent (Superintendent) will be the NPS official primarily responsible for administering this Permit.

Authority to Enter into Permit

The Permittee represents and warrants to the NPS that:

(1) The Permittee is authorized under the laws of Louisiana and by its governing documents to enter into this Permit; and

(2) The person signing this Permit on the Permittee's behalf is authorized to bind the Permittee to comply with the Permit's terms and conditions.

Legal Description and Map of Permitted Area

The Permitted Area is depicted as the crosshatched area (0.494 acres) on the attached Exhibit A map dated November 14, 2017. As this proposal will have no infrastructure constructed or maintained on the ground, this map will serve as the final map of the area authorized for the Permittee's use under this Permit.

The metes and bounds description of the Permitted Area is attached to this Permit as Exhibit B.

The Permittee may not deviate from the approved Permitted Area in its operation and maintenance of the overhead 230 kV electric transmission lines and protective buffer. If the Permittee determines that it needs to use or occupy NPS-administered lands or waters not specifically described in this Permit for the operation and maintenance of the overhead 230 kV electric transmission lines and protective buffer, then the Permittee must apply in writing to the NPS for authorization to use or occupy the additional area. After considering the Permittee's application, the NPS, in its sole discretion, may authorize the use or occupancy of the additional area by amending this Permit or by issuing a new permit that includes such terms and conditions as the NPS deems appropriate. In its sole discretion the NPS may also deny the Permittee's request for authorization to use or occupy the additional area.

Permitted Use of Right-of-Way

In connection with upgrades to Permittee's transmission facilities within Jefferson and Plaquemines Parishes, this Permit authorizes the Permittee to operate and maintain the following facilities or equipment in the Permitted Area:

> Two aerial 230 kV electric transmission lines will cross over the Permitted Area, and the area will provide clearance for conductor blowout and vegetative buffer. No infrastructure will be constructed or maintained on the ground within the Permitted Area.

This Permit authorizes the operation and maintenance only of the facilities or equipment specifically described in the Permit. If the Permittee determines that it needs to operate and maintain facilities or equipment other than those specifically described in this Permit, then the Permittee must apply in writing to the NPS for authorization to operate and maintain the additional facilities or equipment. After considering the Permittee's application, the NPS, in its sole discretion, may authorize the operation and maintenance of the additional facilities or equipment by amending this Permit or by issuing a new permit that includes such terms and conditions as the NPS deems appropriate. In its sole discretion the NPS may also deny the Permittee's request for authorization to operate and maintain the additional facilities or equipment.

Effective Date and Term of Permit

This Permit will be effective on the date of its signature by the NPS Regional Director and will expire automatically 10 years after its effective date at noon, Central Standard Time, unless it is earlier revoked, terminated, or abandoned pursuant to the provisions of this Permit or in accordance with applicable federal law.

Reauthorization of Use

In order to continue use or occupancy of the Permitted Area beyond the initial term without interruption, the Permittee must submit to the Superintendent a written application for reauthorization, on the then-current NPS-approved form and in accordance with then-existing NPS regulations and policies, at least 6 months before the Permit's expiration date. After considering the application, the NPS, in its sole discretion, may reauthorize the use and occupancy of the Permitted Area by issuing a new permit that includes such terms and conditions as the NPS deems appropriate. The Permittee hereby acknowledges that reauthorization is not guaranteed and that the Permittee does not have a preferential right to reauthorization as a result of the NPS's issuance of this Permit.

Termination of Permitted Right-of-Way

At any time during the term of this Permit the NPS, in its sole discretion, may, without incurring any liability whatsoever, terminate all or any part of the permitted right-of-way. If the NPS terminates all or any part of the right-of-way before the Permit expires by its own terms, then the NPS will provide the Permittee 30 days advance written notice of the termination, including the reasons for the termination.

Abandonment of Permitted Right-of-Way

At any time during the term of this Permit, if the Permittee fails to use or occupy the Permitted Area for a period of 2 years, then the NPS, in its sole discretion, may deem the permitted right-of-way abandoned and may take whatever action it determines is necessary to secure and restore the Permitted Area. The NPS will provide the Permittee written notice of its determination that the Permittee has abandoned the permitted right-of-way. In case of abandonment, the Permittee will be responsible for reimbursing the NPS for all of its costs to secure and restore the Permitted Area.

Reimbursement of Costs

Pursuant to 54 U.S.C. § 103104 the Permittee has paid the NPS for administrative and other costs incurred by the NPS in processing the application for the Permit and agrees to reimburse the NPS for costs incurred by the NPS in monitoring the uses or activities authorized by this Permit.

Fees for Use and Occupancy

Pursuant to 36 C.F.R. § 14.26(a) the Permittee will pay fair market value for the use and occupancy of NPS-administered lands or waters. The charge for use and occupancy of the Permitted Area will be $50.00 per year. Pursuant to 36 C.F.R. § 14.26(e) the NPS may periodically review the charges for this Permit and impose such new charges as may be reasonable and proper.

Terms and Conditions

This Permit and the uses or activities authorized under it are subject to the following terms and conditions:

(1) This Permit may be amended only by a written instrument executed by the NPS and the Permittee.

(2) The Permittee may not transfer or assign this Permit to another party without obtaining the NPS's prior written approval.

(3) The Permittee is responsible for ensuring that its officers, employees, representatives, agents, contractors, and subcontractors are familiar with this Permit and comply with its terms and conditions. All persons working for the Permittee within the Permitted Area must carry a copy of this Permit.

(4) The Permittee must provide the NPS with current contact information (company address, points of contact, telephone numbers, email addresses, etc.) for both routine and emergency communications.

(5) The Permittee must post on its facilities in the Park at least one sign, of a design and in a location acceptable to the NPS, with the company's name, primary point of contact, and emergency telephone number.

(6) The Permittee must notify the Superintendent in writing at least 5 business days before conducting any maintenance or non-emergency repair work within the Permitted Area. The written notice must describe the location of the proposed work, the equipment to be used, and the size of work crews anticipated to be working in the Park. The Superintendent may require an on-site meeting before any maintenance or non-emergency repair work commences and may assign a site monitor to be present during such work. Except in emergencies, all work in the Permitted Area must be conducted during the Park's normal business hours. All emergencies should be reported by calling 911. Permittee must also report any law enforcement incident to National Park Service Law Enforcement using the Park Law Enforcement 24-hour Toll-Free Notification Line 1-855-677-5352. This includes but is not limited to medical issues, lost and/or found, theft or any criminal activity.

(7) The Permittee must erect and maintain appropriate warning signs, barricades, or other warning devices during all periods when it is using the Permitted Area, including periods of maintenance or repair.

(8) The NPS may enter and inspect the Permitted Area at any time without providing prior notice to the Permittee.

(9) If necessary to protect Park resources or visitors, the NPS may require the Permittee to

suspend its activities in the Permitted Area or to relocate or remove its facilities or equipment; provided that if the NPS determines that the Permittee must relocate or remove its facilities or equipment, the NPS will exercise its best efforts to accommodate the Permittee at another location in the Park.

(10) Notwithstanding the issuance of this Permit, the NPS (a) may establish trails, roads, or other improvements across, over, on, or through the Permitted Area for use by the NPS, by Park visitors, or by others and (b) may authorize its contractors or other permittees to use the Permitted Area at the same time that the Permittee is using it, as long as those other uses will not unreasonably interfere with the Permittee's use of the Permitted Area under this Permit.

(11) The Permittee may not allow another party to co-locate equipment on the Permittee's infrastructure without obtaining the NPS's prior written approval. As a condition of such approval the NPS will require the co-locator to apply for and be issued its own NPS right-of-way permit.

(12) The Permittee must keep the Permitted Area clean and free of litter or other debris at all times.

(13) Except as expressly authorized by this Permit or subsequently approved in writing by the Superintendent, the Permittee may not move, remove, alter, damage, or destroy any Park resources within the Permitted Area or the Park. As directed by the Superintendent, the Permittee must take all reasonable measures to avoid or minimize damage to Park resources. The Superintendent may require reasonable mitigation in return for allowing impacts to Park resources under this Permit.

(14) The Permittee must immediately suspend all activities and notify the Superintendent upon the discovery of any threatened or endangered species or archeological, paleontological, or historical resources within or near the Permitted Area. All natural and cultural resources discovered in the Permitted Area are the property of the United States.

(15) The Permittee may not use pesticides or herbicides on Park lands without obtaining the Superintendent's prior written approval. Pesticide use proposals (PUPs) detailing the target pest, pesticide proposed, area to be treated, and an estimate of the amount of pesticide to be used will be required in advance of any pesticide use. PUPs should be submitted to the Superintendent or designee at least 30 days in advance of intended pesticide application(s). The use of approved pesticides will be reported to the NPS no later than two (2) weeks after the pesticide application takes place. Reports will include the volume of undiluted pesticide applied and quantify the application area.

(16) The Permittee must do everything reasonably within its power to prevent and suppress fires resulting from the Permittee's activities under this Permit.

(17) Within 4 hours after the damage or disruption occurs, the Permittee must repair or restore any utilities within the Park that are damaged or disrupted as a result of the Permittee's activities under this Permit.

(18) Within 6 months after the expiration or termination of this Permit, the Permittee must remove all of its facilities and equipment from the Permitted Area and restore the Permitted Area to its pre-Permit condition as directed and approved by the Superintendent. Any facilities or equipment not removed within that time will be deemed abandoned and will be disposed of in accordance with applicable federal law. In that event, the Permittee will be liable to the NPS for all of its costs in disposing of the facilities or equipment and restoring the Permitted Area.

(19) The Permittee must procure and maintain in force and effect during the term of this Permit commercial general liability insurance to protect against claims arising out of the acts or omissions of the Permittee or its officers, employees, agents, or representatives while conducting the activities authorized by this Permit. The insurance policy must provide coverage for discharges or escapes of pollutants or contaminants into the environment, including sudden or accidental discharges or escapes. The policy must be in the minimum amount of $1,000,000.00 per occurrence and $3,000,000.00 aggregate; must be issued by a company duly licensed to do business in Louisiana; and must name the United States of America as an additional insured. Before the NPS Regional Director executes this Permit, the Permittee must provide the NPS with a copy of its Certificate of Insurance showing the required coverage.

(20) In accordance with applicable law, including the Park System Resource Protection Act, 54 U.S.C. §§ 100721-100725, the Permittee will be responsible for any damage to or destruction of Park resources resulting from the Permittee's activities that are not reasonably inherent in the use of the Permitted Area authorized by this Permit. This Permit is not a defense to liability under 54 U.S.C. § 100722(c)(3) for any activity not expressly authorized by this Permit.

(21) The Permittee will indemnify and hold harmless the United States and its officers, employees, agents, and representatives from and against all liability of any sort whatsoever arising out of the Permittee's activities under this Permit. This agreement to indemnify and hold harmless from and against all liability includes liability under federal or state environmental laws, including the Comprehensive Environmental Response, Compensation, and Restoration Act, as amended; the Resource Conservation and Recovery Act, as amended; and what is commonly known as the Clean Water Act, as amended. This agreement to indemnify and hold harmless will survive the Permit's termination or expiration.

(22) In accordance with applicable federal law the Permittee will not discriminate against any person because of race, color, religion, sex, or national origin.

(23) Nothing in this Permit obligates the NPS to expend in any one fiscal year any sum in excess of appropriations made by Congress or administratively allocated by the NPS for the purpose of this Permit, or to involve the NPS in any contract or other obligation for the further expenditure of money in excess of such appropriations or allocations.

Park-specific conditions

(24) Any ground inspections or monitoring activities that may be necessary within the permitted area shall, to the extent practicable, be conducted by foot, unless otherwise authorized by the Superintendent.

(25) Any soil or vegetation disturbance activities, including the use of equipment, authorized within the permitted area shall be the minimum necessary to meet the standards required to maintain adequate clearance for conductor blowout and vegetative buffer.

(26) No equipment, lights, may be tied, tethered, nailed, or otherwise affixed to live vegetation.

(27) No vehicles or equipment shall enter the permitted area, unless expressly authorized by the Superintendent.

(28) Equipment used for ROW inspection and maintenance, including airboats and marsh buggies, shall be the smallest and most lightweight equipment practicable. Permittee agrees to minimize impacts to resources within the ROW to the maximum extent practicable.

(29) All vehicles, and equipment used in the permitted activity are subject to inspection by NPS Law Enforcement Officers at any time. Boats used to conduct work, should meet and/or exceed all State and Federal boating regulations.

(30) Airboat lubricating systems must contain only biodegradable materials.

(31) If multiple passes are required, airboats and marsh buggies should offset passes within the ROW to minimize damage to marsh vegetation.

(32) All equipment shall be cleaned prior to starting work in order to reduce the spread of exotic plants.

(33) Fueling of equipment will take place outside the Preserve whenever possible; if fueling within the Preserve is required, no less than two persons will attend these activities, and fueling will be completed over a physical barrier and absorbent materials. All refueling operations will be conducted with adequate spill protection in place. Fuel tanks will be properly secured and provided with spill containment materials located on site.

(34) Except where specifically authorized by law or permit, discharging weapons is prohibited.

(35) An NPS Monitor may be on-site during permitted activity. Permittee will comply with any and all special instructions received from the monitor in charge.

(36) The Permittee is responsible for initial first aid care. The Permittee must report all injuries sustained in the park by the Permittee and her/his participants including name, address, telephone number, date, time and location of each injury/accident, extent of injuries, medical treatment given, medical provider's name and level of medical training. All emergency evacuation costs of participants will be borne by the Permittee.

(37) Implied or stated National Park Service endorsement is prohibited. Any use or depiction of the National Park Service insignia "Arrowhead" requires approval by the Director of the National Park Service.

(38) Permittee shall allow the NPS to photograph operations in order to document this activity for monitoring purposes.

(39) Per Secretarial Order 3379 (January 29, 2020), the operation of unmanned aircraft (drones) in Jean Lafitte National Historical Park and Preserve is prohibited. Any requests for future use of UAS/drone technology within lands and waterways administered by the DOI/National Park Service shall be placed in writing and sent to the appropriate official for determination.

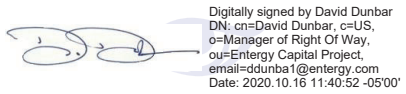
(40) Except in the case of an emergency, permittee shall endeavor to access park lands during the period of legal sunrise to fifteen (15) minutes before sunset.

(41) Permittee acknowledges that the Superintendent may close park units due to severe weather or other park emergencies.

(42) Permission from landowners is required for travel on, across, or through private property and cannot be granted by NPS.

By signing this Permit on the date indicated below, the Permittee's authorized representative acknowledges that he or she has read and understands all of the Permit's terms and conditions, agrees that the Permittee will abide by all of the Permit's terms and conditions, and requests that the NPS Regional Director execute the Permit and issue it to the Permittee.

Entergy Louisiana, LLC



(Signature)

David Dunbar

Printed name

Manager, Right of Way

Title

10-16-2020

Date

By signing this Permit on the date indicated below, the NPS Regional Director hereby executes it and issues it to the Permittee.

(Signature)

For Regional Director, Interior Region 2, South Atlantic-Gulf
National Park Service
United States Department of the Interior

12-17-2020

Date

REFERENCE DOCUMENTS:

1. CASH SALE OF PROPERTY COB 1014 PG 669 INSTRUMENT NUMBERS 991695 & 991696 DATED NOVEMBER 5, 1981, PARISH OF JEFFERSON, LA.
2. CASH SALE OF PROPERTY COB 1210 PG 198 INSTRUMENT NUMBER 8512211 DATED MARCH 22, 1985, PARISH OF JEFFERSON, LA.
3. MAP ENTITLED "PLAN OF PROPERTY OF NEW ORLEANS PLANTATION Co., INC MADE FOR BARATARIA PLANTATION Co., INC & INEZ PLANTATION Co., INC., NEW ORLEANS" PREPARED BY GANDUFO, KUHN, & ASSOCIATES, AND DATED MAY 9, 1969.

BASIS OF BEARINGS:

BEARINGS ARE BASED ON GEODETIC ORIENTATION DERIVED FROM G.P.S. OBSERVATIONS MADE USING NGS MONUMENT "K 383" PID: BJ3725 AS CONTROL. BEARINGS SHOWN HEREON ARE BASED ON THE LOUISIANA STATE PLANE COORDINATE SYSTEM OF 1983, SOUTH ZONE (1702). UNITS OF MEASUREMENT ARE IN U.S. SURVEY FEET.

NOTES:

1). NO ATTEMPT HAS BEEN MADE BY T. BAKER SMITH, LLC TO VERIFY TITLE, ACTUAL LEGAL OWNERSHIP, SERVITUDES, EASEMENTS, RIGHTS-OF-WAY OR OTHER BURDENS ON THE PROPERTY OTHER THAN THAT FURNISHED BY THE OWNER OR THE OWNER'S REPRESENTATIVE.

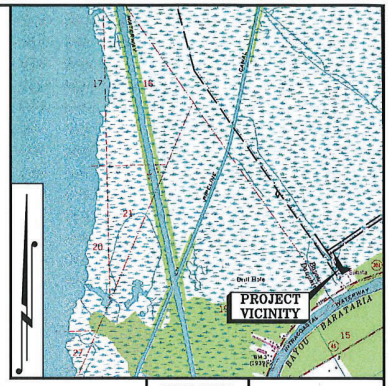
2). TOPOGRAPHIC (LIDAR) INFORMATION PROVIDED BY FUGRO GEOSPATIAL, INC. (GRAY SCALE)

3). SEE EXHIBIT "B" FOR METES AND BOUNDS PROPERTY DESCRIPTION.

4). ACREAGE OF PARENT TRACT AS SHOWN HEREON WAS OBTAINED FROM TITLE WORK PROVIDED BY CLIENT.

JEFFERSON PARISH, LOUISIANA
SECTION 10, T15S – R23E
SOUTHEASTERN LAND DISTRICT
WEST OF THE MISSISSIPPI RIVER

LOUISIANA COORDINATE SYSTEM (SOUTH ZONE) (1983 DATUM)



VICINITY MAP
NOT TO SCALE

UNITED STATES OF AMERICA
JEAN LAFITTE NATIONAL PARK AND PRESERVE
(±2,432.34 ACRES)

ENTERGY LOUISIANA, LLC
BARATARIA SUBSTATION

LA HWY 301 (BARATARIA BLVD.)

FOUND T-POST W/PVC SLEEVE
N:460460.16
E:3663055.48

N:460791.52
E:3662669.29

N:460476.22
E:3662859.32

S31° 04' 36"E – 368.13'

474.33'
N24°24'14"W

S85° 19' 13"E – 196.82'

215.17'
S62°07'37"W

EXISTING ENTERGY SERVITUDE
(COB 665 PG 985)

POB
N:460359.57
E:3662865.27

EXISTING ENTERGY SERVITUDE
(COB 616 PG 589)

N62°07'37"E
200.83'

POC
FOUND T-POST W/PVC SLEEVE
N:460265.68
E:3662687.74

PROPOSED ENTERGY R/W	0.494 ACRES

LEGEND

- // PIPELINES
- ℄ PROPERTY LINE
- EXISTING SERVITUDE
- DENOTES PROPOSED ENTERGY R/W
- FOUND MONUMENT AS SHOWN

STATE OF LOUISIANA
Jacob J. Callais
License No. 5132
PROFESSIONAL
LAND SURVEYOR

THIS IS TO CERTIFY THAT THIS SURVEY WAS DONE BY ME OR UNDER MY DIRECT SUPERVISION AND CONTROL, THAT THE RIGHT OF WAY SURVEY WAS DONE ON THE GROUND AND WAS DONE IN ACCORDANCE WITH SECTION 2909 OF THE MOST RECENT STANDARDS OF PRACTICE FOR RIGHT OF WAY SURVEYS AS SET FORTH BY THE LOUISIANA PROFESSIONAL ENGINEERS AND LAND SURVEYORS BOARD AND THAT THE ACCURACY SPECIFICATIONS AND POSITIONAL TOLERANCES ARE BASED ON RURAL AREA SURVEYS INDICATED IN THE ABOVE STANDARDS.

JACOB J. CALLAIS, P.L.S. LA 5132 — DATE 11-14-17

EXHIBIT "A"

T. BAKER SMITH
SOLUTIONS START HERE
17534 Old Jefferson Hwy, Suite D-1,
Prairieville, LA 70769
(225)744-2100 - tbsmith.com

SCALE IN FEET
100' 50' 0' 100'

REV. NO:	1	REV. DATE: 11/14/2017	REV. BY:	DWA

REVISION DESCRIPTION:
REVISED SERVITUDE

DRAWN BY:	DA	APPROVED BY:	KG
DATE:	08/14/2017	JOB NO:	2017.0070
DRAWING NAME:	BARATARIA SUB RW.DWG		

PROJECTION: LA SOUTH STATE PLANE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

SHEET NO: 1 OF 1

RIGHT OF WAY PLAT

ENTERGY LOUISIANA, LLC

PLAT SHOWING RIGHT OF WAY TO SERVE
PROPOSED ENTERGY LOUISIANA, LLC TRANSMISSION LINE
CROSSING 2432.34 ± ACRE TRACT BELONGING TO
UNITED STATES OF AMERICA JEAN LAFITTE NATIONAL PARK AND PRESERVE
LOCATED IN SECTION 10, T15S-R23E, JEFFERSON PARISH LOUISIANA

11/14/2017 - P:\Y-2017\2017.0070\DWG\RIGHT OF WAY PLATS\BARATARIA SUB RW.DWG

EXHIBIT B

PROPOSED ENTERGY LOUISIANA, LLC SERVITUDE

CROSSING ±2,432.34 ACRE TRACT BELONGING TO

THE UNITED STATES OF AMERICA – JEAN LAFITTE NATIONAL PARK AND PRESERVE

SECTION 10, T15S, R23E

JEFFERSON PARISH, LOUISIANA

A CERTAIN TRACT OF LAND LOCATED IN SECTION 10, TOWNSHIP 15 SOUTH, RANGE 23 EAST, JEFFERSON PARISH, LOUISIANA (SOUTHEASTERN LAND DISTRICT) BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT A FOUND T-POST W/PVC SLEEVE HAVING COORDINATES OF N=460,265.68 AND E=3,662,687.74, SAID POINT BEING THE NORTHWEST CORNER OF TRACT BELONGING TO ENTERGY LOUISIANA, LLC;

THENCE, ALONG THE BOUNDARY LINE BETWEEN TRACTS BELONGING TO ENTERGY LOUISIANA, LLC AND THE UNITED STATES OF AMERICA – JEAN LAFITTE NATIONAL PARK AND PRESERVE, N 62°07'37" E A DISTANCE OF 200.83 FEET TO A POINT HAVING COORDINATES OF N = 460,359.57 AND E = 3,662,855.27, SAID POINT BEING THE POINT OF BEGINNING;

THENCE, ALONG AN EXISTING ENTERGY TRANSMISSION LINE SERVITUDE, N 24°24'14" W A DISTANCE OF 474.33 FEET TO A POINT;

THENCE, S 31°04'36" E A DISTANCE OF 368.13 FEET TO A POINT;

THENCE, S 85°19'13" E A DISTANCE OF 196.82 FEET TO A FOUND T-POST W/ PVC SLEEVE BEING THE NORTHEAST CORNER OF TRACT BELONGING TO THE UNITED STATES OF AMERICA – JEAN LAFITTE NATIONAL PARK AND PRESERVE;

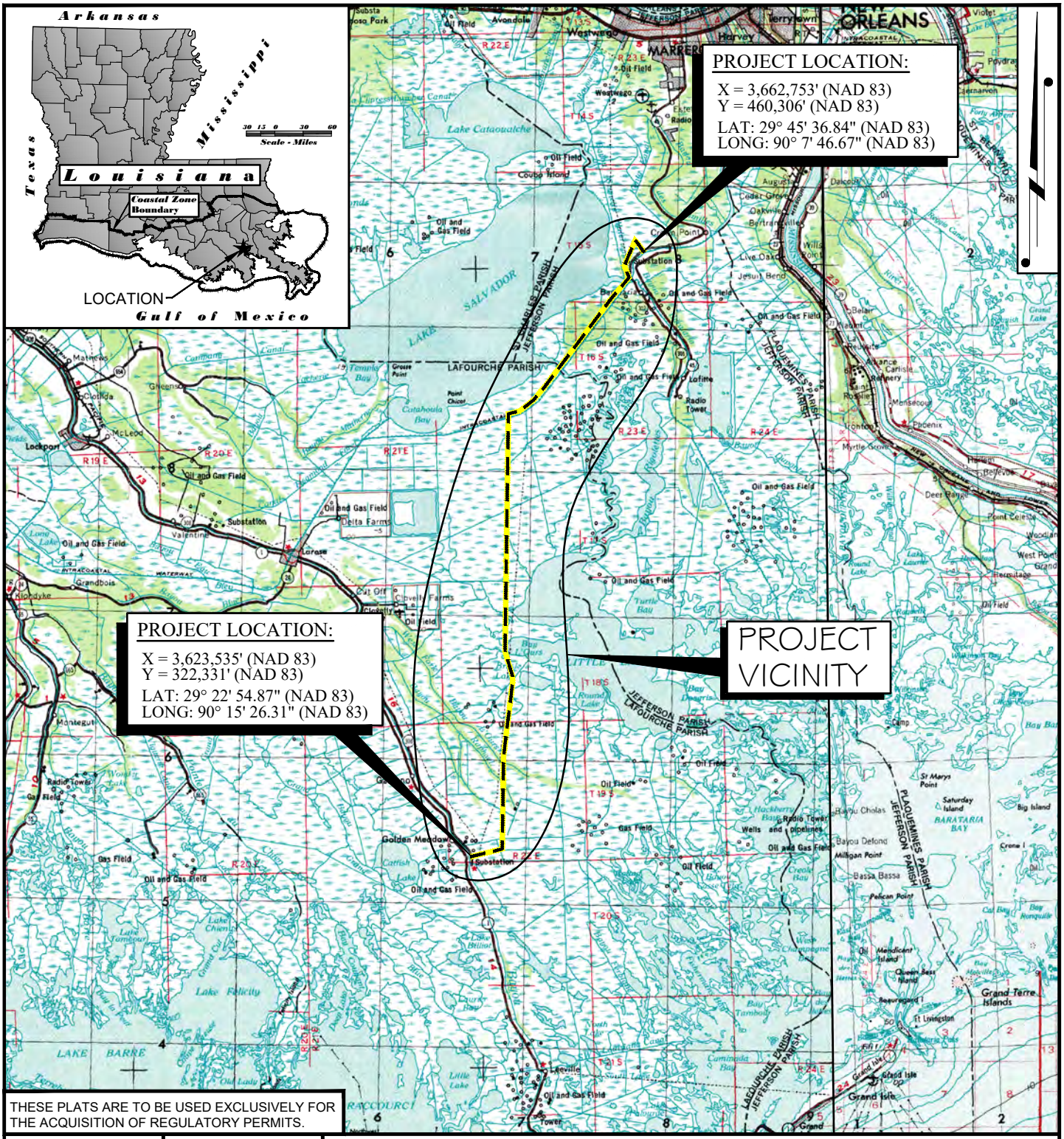
THENCE, ALONG THE BOUNDARY LINE BETWEEN TRACTS BELONGING TO ENTERGY LOUISIANA, LLC AND THE UNITED STATES OF AMERICA – JEAN LAFITTE NATIONAL PARK AND PRESERVE, S 62°07'37" W A DISTANCE OF 215.17 FEET TO BACK TO THE POINT OF BEGINNING AND CONTAINING 0.494 ACRES;

ALL AS MORE FULLY DESCRIBED ON PLAT PREPARED BY T BAKER SMITH ENTITLED "EXHIBIT "A" - RIGHT OF WAY PLAT ENTERGY LOUISIANA, LLC PLAT SHOWING RIGHT OF WAY TO SERVE PROPOSED ENTERGY LOUISIANA, LLC TRANSMISSION LINE CROSSING ±2,432.34 ACRE TRACT BELONGING TO THE UNITED STATES OF AMERICA JEAN LAFITTE NATIONAL PARK AND PRESERVE, LOCATED IN SECTION 10, T15S-R23E JEFFERSON PARISH, LOUISIANA" DATED NOVEMBER 14, 2017. ALL BEARINGS, DISTANCES, AND COORDINATES ARE BASED ON LOUISIANA COORDINATE SYSTEM, SOUTH ZONE (NAD 83).

JACOB J. CALLOIS, P.L.S., LA 5132

11-14-17
DATE

APPENDIX 13
PROJECT OVERVIEW MAPS



THESE PLATS ARE TO BE USED EXCLUSIVELY FOR THE ACQUISITION OF REGULATORY PERMITS.

DRAWN BY:	SPM	APPROVED BY:	MDT
DATE:	07/06/2021	JOB NO:	2021.0252
DRAWING NAME:		210252P- 1.DWG	
SHEET NO:	1	OF	41

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

SCALE: 1" = 6 MILES

6 MI 3 MI 0 MI 6 MI

VICINITY MAP

ENTERGY LOUISIANA, LLC

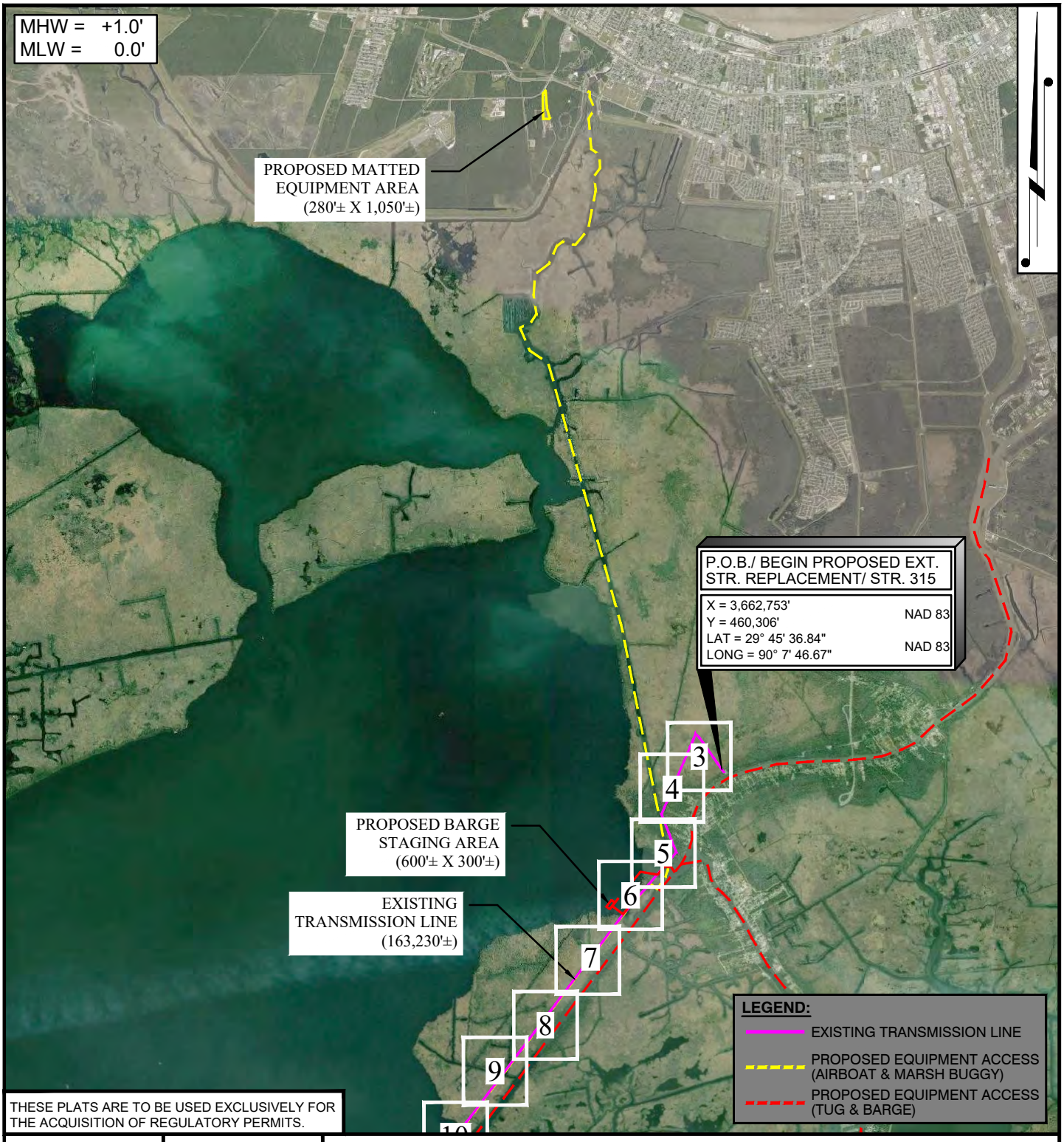
PROPOSED REMOVAL OF EXISTING STRUCTURES
ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE
LAFOURCHE & JEFFERSON PARISHES, LOUISIANA

T. BAKER SMITH
A CENTURY OF SOLUTIONS
412 South Van Ave, Houma, LA 70363
(985)868-1868 - tbsmith.com

REV. NO:	01	REV. DATE:	12/06/2021	REV. BY:	SPM

REVISION DESCRIPTION:
ADDED REPLACEMENT STRUCTURES.

12/7/2021 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 1.DWG



THESE PLATS ARE TO BE USED EXCLUSIVELY FOR THE ACQUISITION OF REGULATORY PERMITS.

DRAWN BY:	SPM	APPROVED BY:	MDT
DATE:	07/06/2021	JOB NO:	2021.0134
DRAWING NAME:		210252P- 2.DWG	
SHEET NO:	2A	OF	41

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

SCALE: 1" = 10,000'

10,000' 5,000' 0' 10,000'

OVERALL VIEW

ENTERGY LOUISIANA, LLC

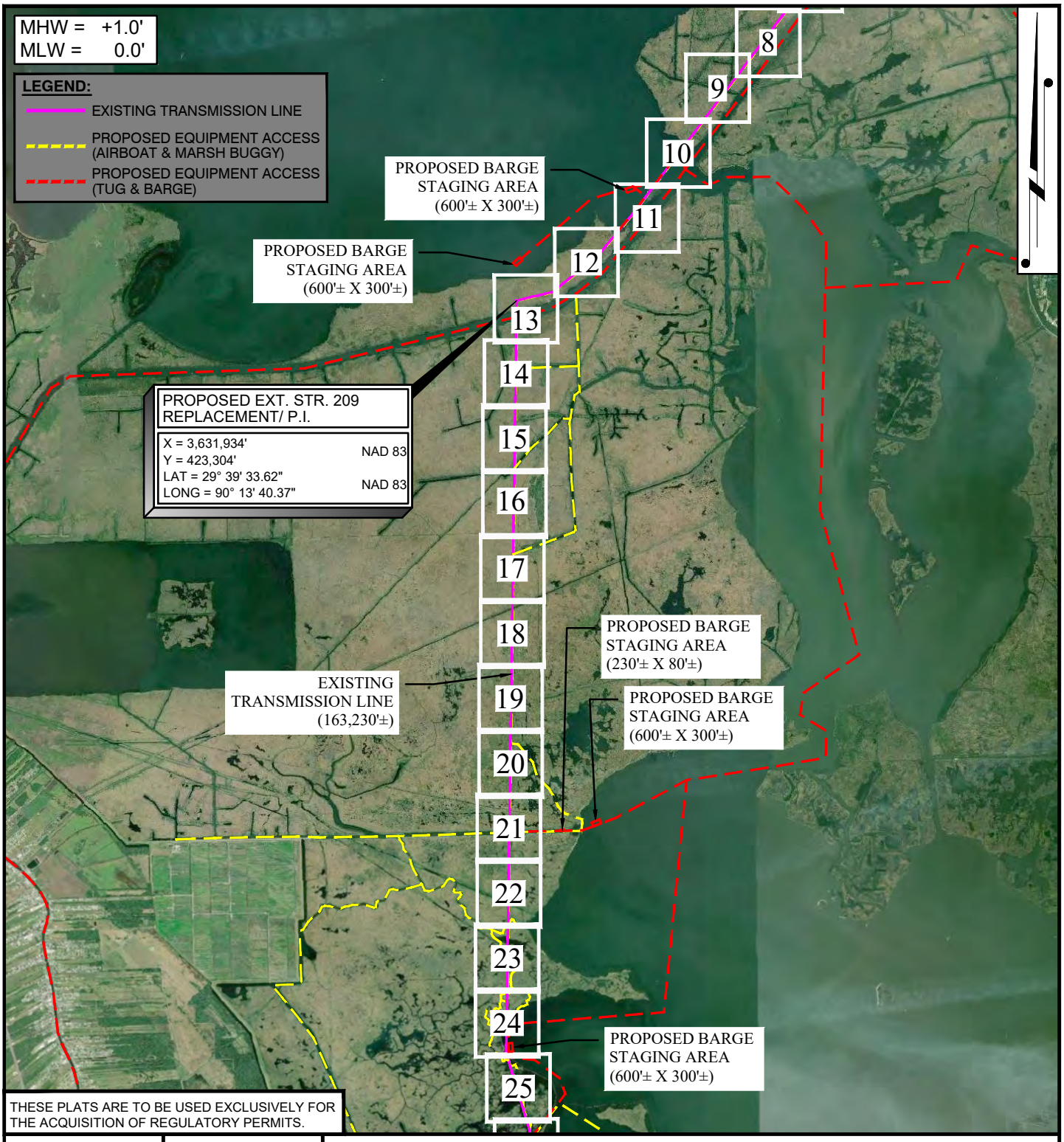
PROPOSED REMOVAL/REPLACEMENT OF EXISTING STRUCTURES ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE LAFOURCHE & JEFFERSON PARISHES, LOUISIANA

T. BAKER SMITH
A CENTURY OF SOLUTIONS
412 South Van Ave, Houma, LA 70363
(985)868-1666 - tbsmith.com

REV. NO:	03	REV. DATE:	02/10/2022	REV. BY:	SPM

REVISION DESCRIPTION:
ADDED BARGE STAGING AREA DIMENSIONS.

2/10/2022 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P - 2.DWG



THESE PLATS ARE TO BE USED EXCLUSIVELY FOR THE ACQUISITION OF REGULATORY PERMITS.

DRAWN BY:	SPM	APPROVED BY:	MDT
DATE:	07/06/2021	JOB NO:	2021.0134
DRAWING NAME:		210252P- 2.DWG	
SHEET NO:	2B	OF	41

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

SCALE: 1" = 10,000'

10,000' 5,000' 0' 10,000'

OVERALL VIEW

ENTERGY LOUISIANA, LLC

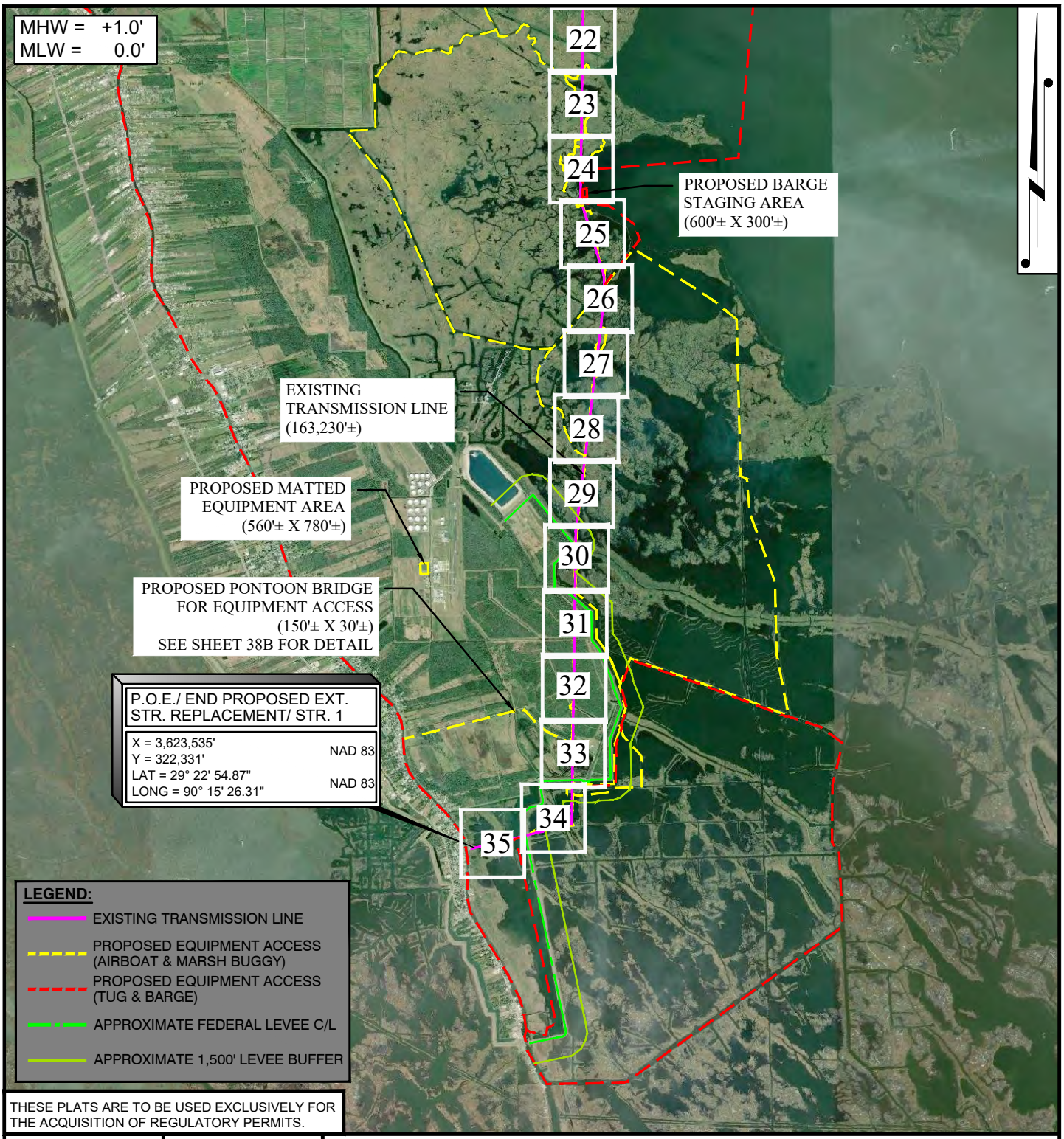
PROPOSED REMOVAL/REPLACEMENT OF EXISTING STRUCTURES ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE LAFOURCHE & JEFFERSON PARISHES, LOUISIANA

T. BAKER SMITH
A CENTURY OF SOLUTIONS
412 South Van Ave, Houma, LA 70363
(985)868-1666 - tbsmith.com

REV. NO:	05	REV. DATE:	07/18/2022	REV. BY:	SPM

REVISION DESCRIPTION:
ADDED ADDITIONAL BARGE STAGING AREA.

7/18/2022 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 2.DWG



THESE PLATS ARE TO BE USED EXCLUSIVELY FOR THE ACQUISITION OF REGULATORY PERMITS.

DRAWN BY:	SPM	APPROVED BY:	MDT
DATE:	07/06/2021	JOB NO:	2021.0134
DRAWING NAME:		210252P- 2.DWG	
SHEET NO:	2C	OF	41

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

SCALE: 1" = 10,000'

10,000' 5,000' 0' 10,000'

OVERALL VIEW

ENTERGY LOUISIANA, LLC

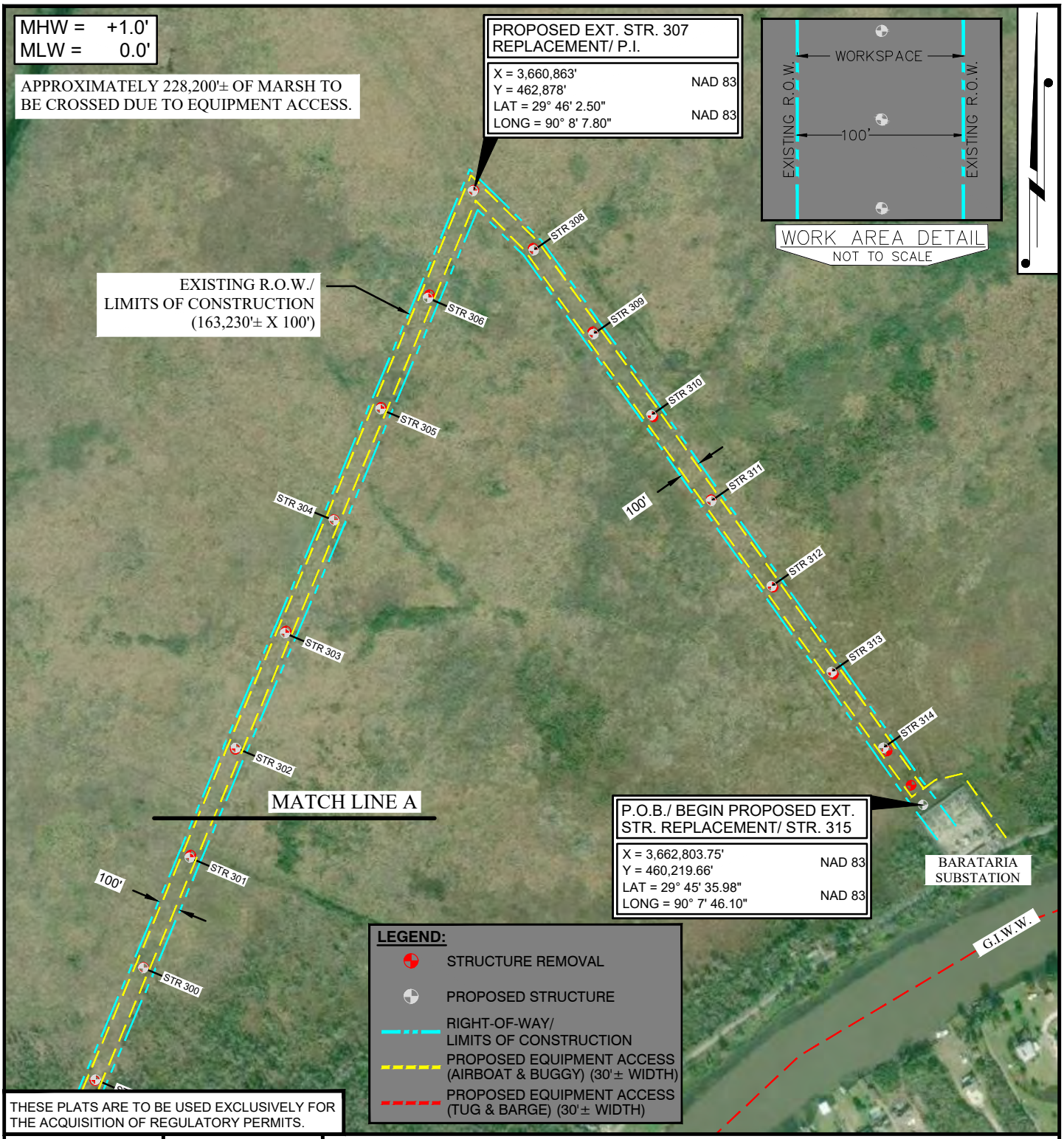
PROPOSED REMOVAL/REPLACEMENT OF EXISTING STRUCTURES ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE LAFOURCHE & JEFFERSON PARISHES, LOUISIANA

T. BAKER SMITH
A CENTURY OF SOLUTIONS
412 South Van Ave, Houma, LA 70363
(985)868-1666 - tbsmith.com

REV. NO:	REV. DATE:	REV. BY:
05	02/10/2022	SPM

REVISION DESCRIPTION:
ADDED BARGE STAGING AREA DIMENSIONS.

2/10/2022 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 2.DWG



THESE PLATS ARE TO BE USED EXCLUSIVELY FOR THE ACQUISITION OF REGULATORY PERMITS.

DRAWN BY:	SPM	APPROVED BY:	MDT
DATE:	07/06/2021	JOB NO:	2021.0252
DRAWING NAME:	210252P- 3_REV.DWG		
SHEET NO:	3	OF	41

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

SCALE: 1" = 600'

600' 300' 0' 600'

PLAN VIEW

ENTERGY LOUISIANA, LLC

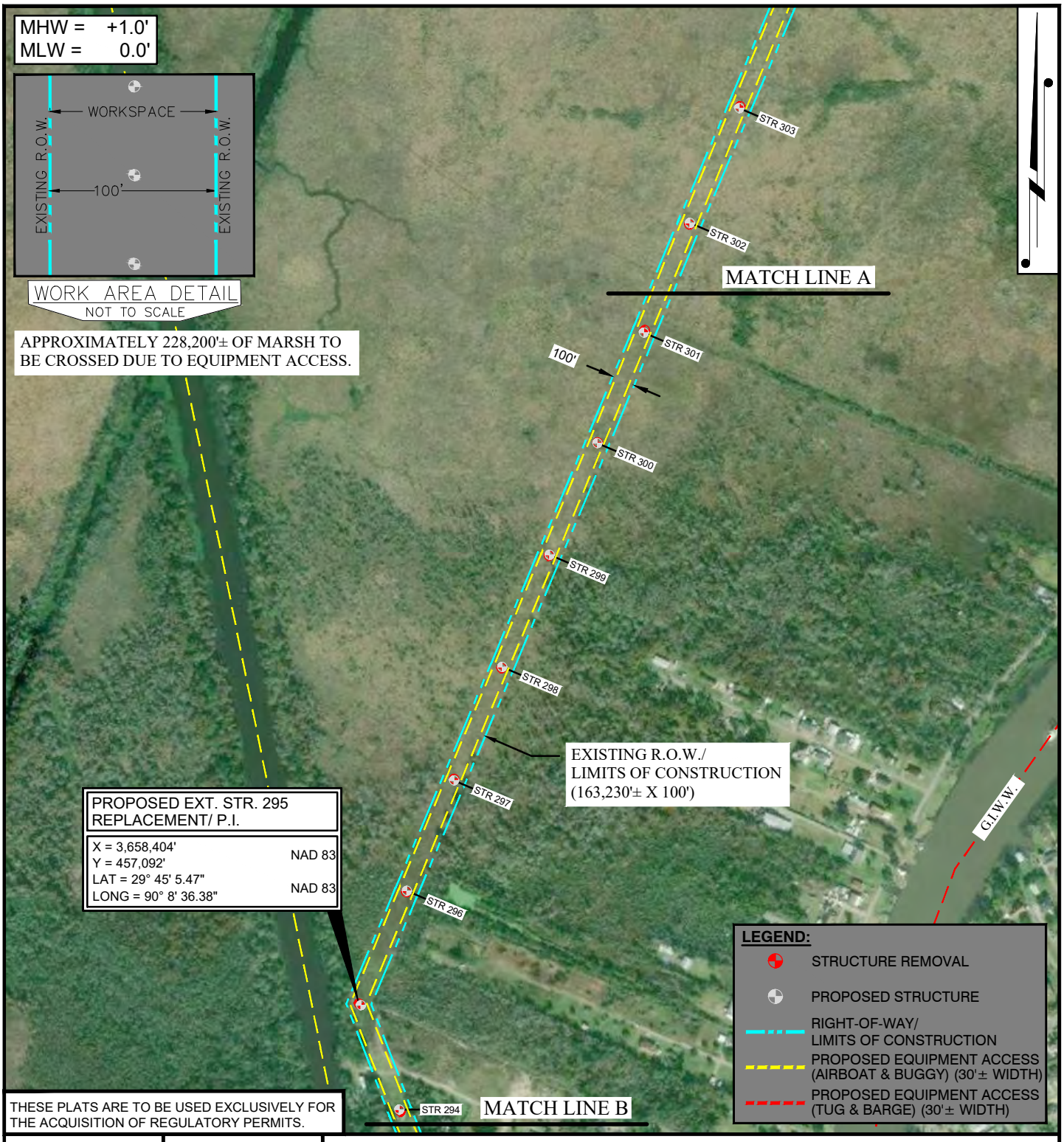
PROPOSED REMOVAL/REPLACEMENT OF EXISTING STRUCTURES ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE
LAFOURCHE & JEFFERSON PARISHES, LOUISIANA

T. BAKER SMITH
A CENTURY OF SOLUTIONS
412 South Van Ave, Houma, LA 70363
(985)868-1666 - tbsmith.com

REV. NO:	03	REV. DATE:	02/10/2022	REV. BY:	SPM

REVISION DESCRIPTION:
REVISED EQUIPMENT ACCESS.

2/10/2022 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 3_REV.DWG



THESE PLATS ARE TO BE USED EXCLUSIVELY FOR THE ACQUISITION OF REGULATORY PERMITS.

DRAWN BY:	SPM	APPROVED BY:	MDT
DATE:	07/06/2021	JOB NO:	2021.0252
DRAWING NAME:	210252P- 3_REV.DWG		
SHEET NO:	4	OF	41

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

SCALE: 1" = 600'

600' 300' 0' 600'

PLAN VIEW

ENTERGY LOUISIANA, LLC

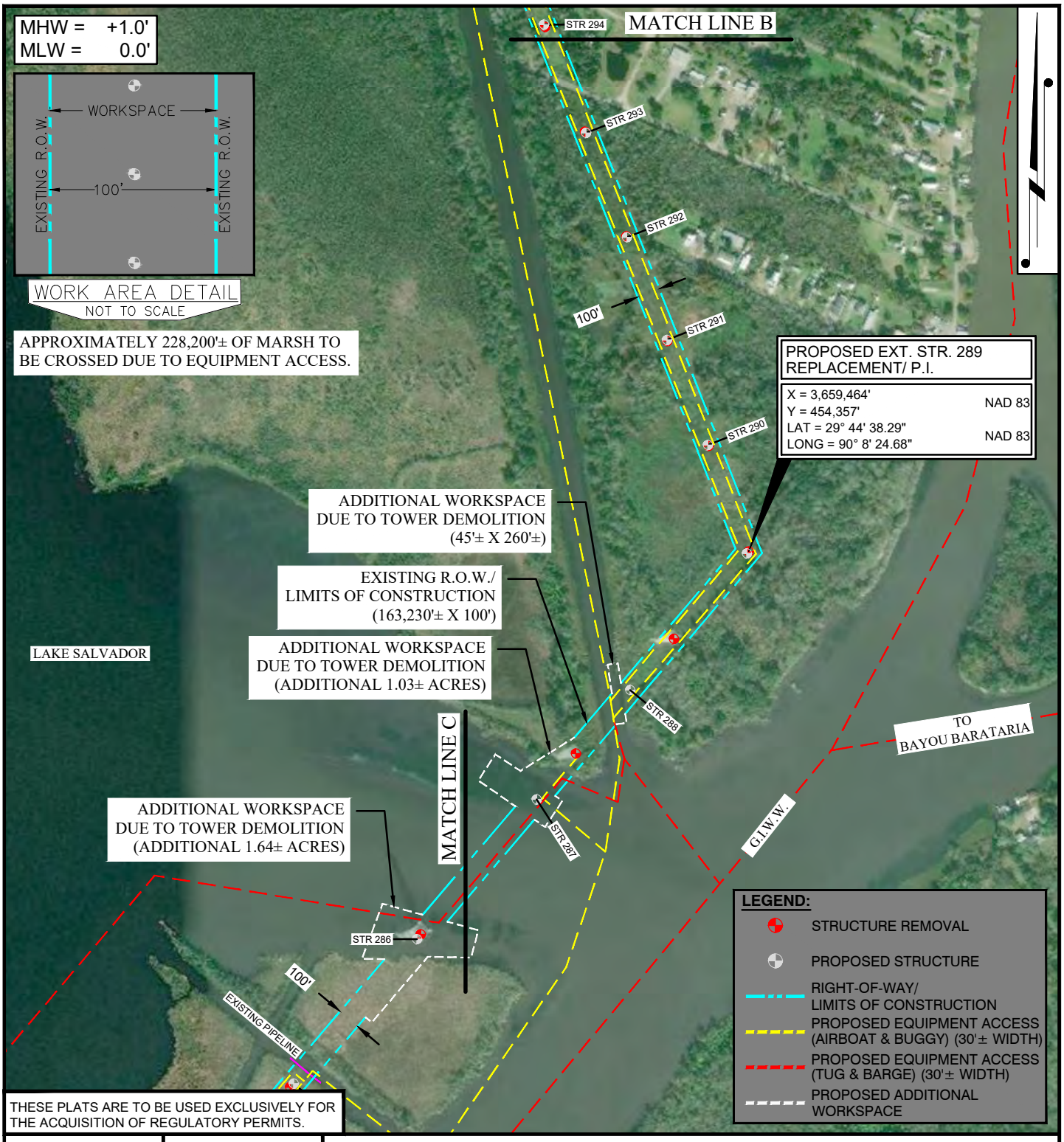
PROPOSED REMOVAL/REPLACEMENT OF EXISTING STRUCTURES ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE
LAFOURCHE & JEFFERSON PARISHES, LOUISIANA

T. BAKER SMITH
A CENTURY OF SOLUTIONS
412 South Van Ave, Houma, LA 70363
(985)868-1666 - tbsmith.com

REV. NO:	03	REV. DATE:	02/10/2022	REV. BY:	SPM

REVISION DESCRIPTION:
REVISED EQUIPMENT ACCESS.

2/10/2022 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 3_REV.DWG



THESE PLATS ARE TO BE USED EXCLUSIVELY FOR THE ACQUISITION OF REGULATORY PERMITS.

DRAWN BY:	SPM	APPROVED BY:	MDT
DATE:	07/06/2021	JOB NO:	2021.0252
DRAWING NAME:	210252P- 3_REV.DWG		
SHEET NO:	5	OF	41

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

SCALE: 1" = 600'

600' 300' 0' 600'

PLAN VIEW

ENTERGY LOUISIANA, LLC

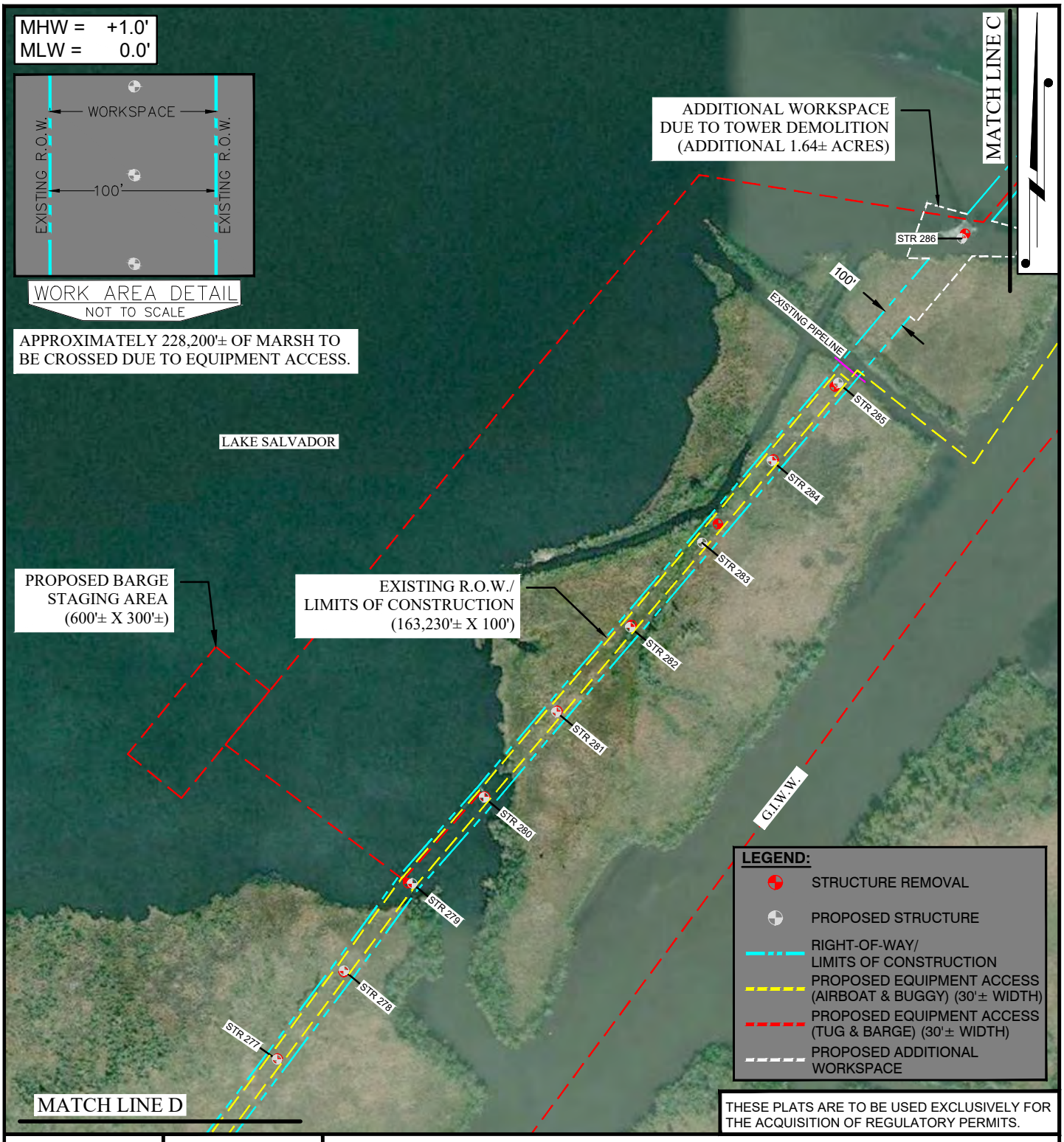
PROPOSED REMOVAL/REPLACEMENT OF EXISTING STRUCTURES ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE
LAFOURCHE & JEFFERSON PARISHES, LOUISIANA

T. BAKER SMITH
A CENTURY OF SOLUTIONS
412 South Van Ave, Houma, LA 70363
(985)868-1666 - tbsmith.com

REV. NO:	REV. DATE:	REV. BY:
05	07/18/2022	SPM

REVISION DESCRIPTION:
ADDED TOWER DEMOLITION WORKSPACES.

8/30/2022 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 3_REV.DWG



THESE PLATS ARE TO BE USED EXCLUSIVELY FOR THE ACQUISITION OF REGULATORY PERMITS.

DRAWN BY: SPM	APPROVED BY: MDT
DATE: 07/06/2021	JOB NO: 2021.0252
DRAWING NAME:	210252P- 3_REV.DWG
SHEET NO: 6	OF 41

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

SCALE: 1" = 600'

600' 300' 0' 600'

PLAN VIEW

ENTERGY LOUISIANA, LLC

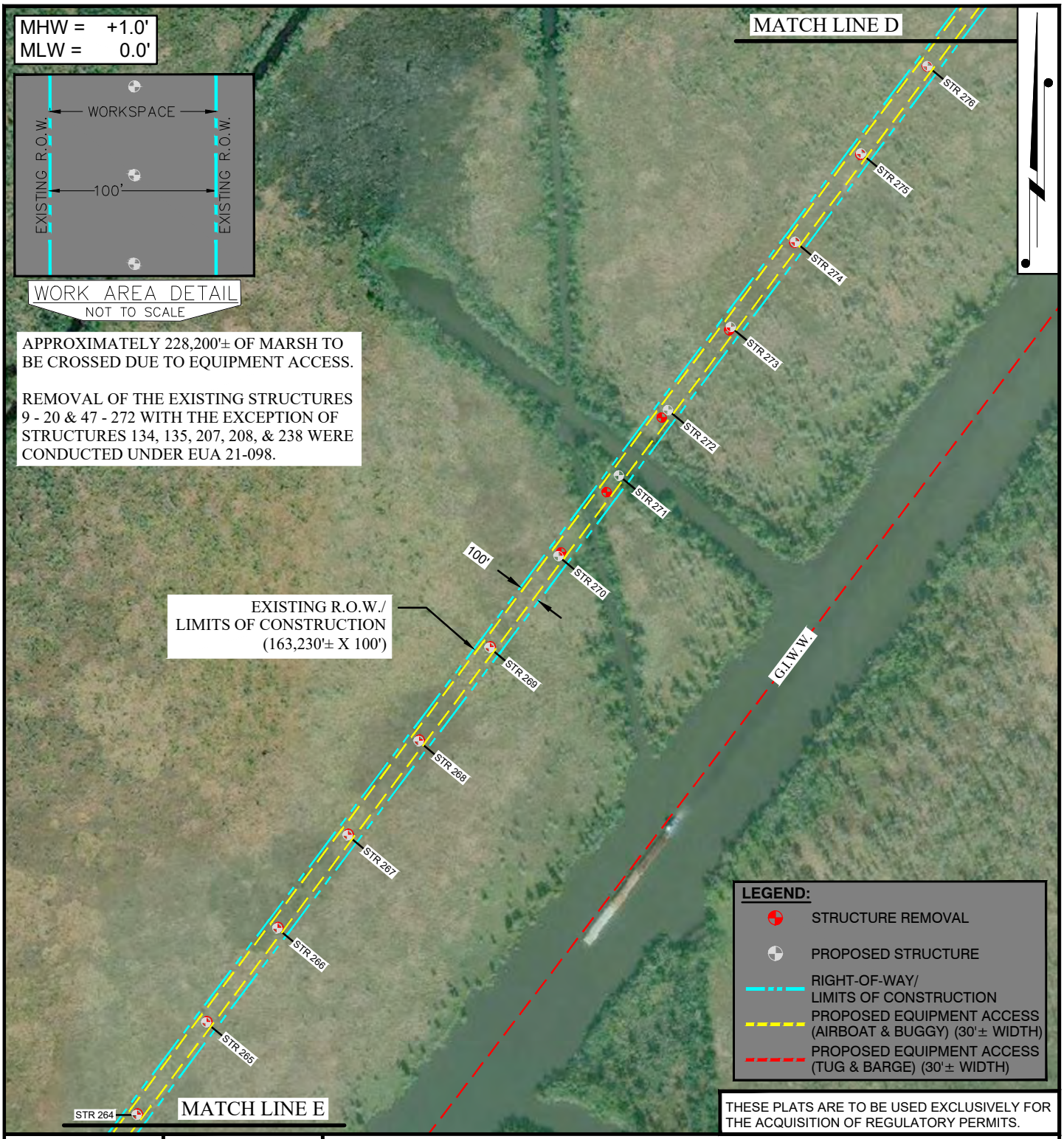
PROPOSED REMOVAL/REPLACEMENT OF EXISTING STRUCTURES ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE
LAFOURCHE & JEFFERSON PARISHES, LOUISIANA

T. BAKER SMITH
A CENTURY OF SOLUTIONS
412 South Van Ave, Houma, LA 70363
(985)868-1868 - tbsmith.com

REV. NO:	REV. DATE:	REV. BY:
04	07/18/2022	SPM

REVISION DESCRIPTION:
ADDED TOWER DEMOLITION WORKSPACES.

8/30/2022 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 3_REV.DWG



THESE PLATS ARE TO BE USED EXCLUSIVELY FOR THE ACQUISITION OF REGULATORY PERMITS.

DRAWN BY: SPM	APPROVED BY: MDT
DATE: 07/06/2021	JOB NO: 2021.0252
DRAWING NAME:	210252P- 3_REV.DWG
SHEET NO: 7	OF 41

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

SCALE: 1" = 600'

600' 300' 0' 600'

PLAN VIEW

ENTERGY LOUISIANA, LLC

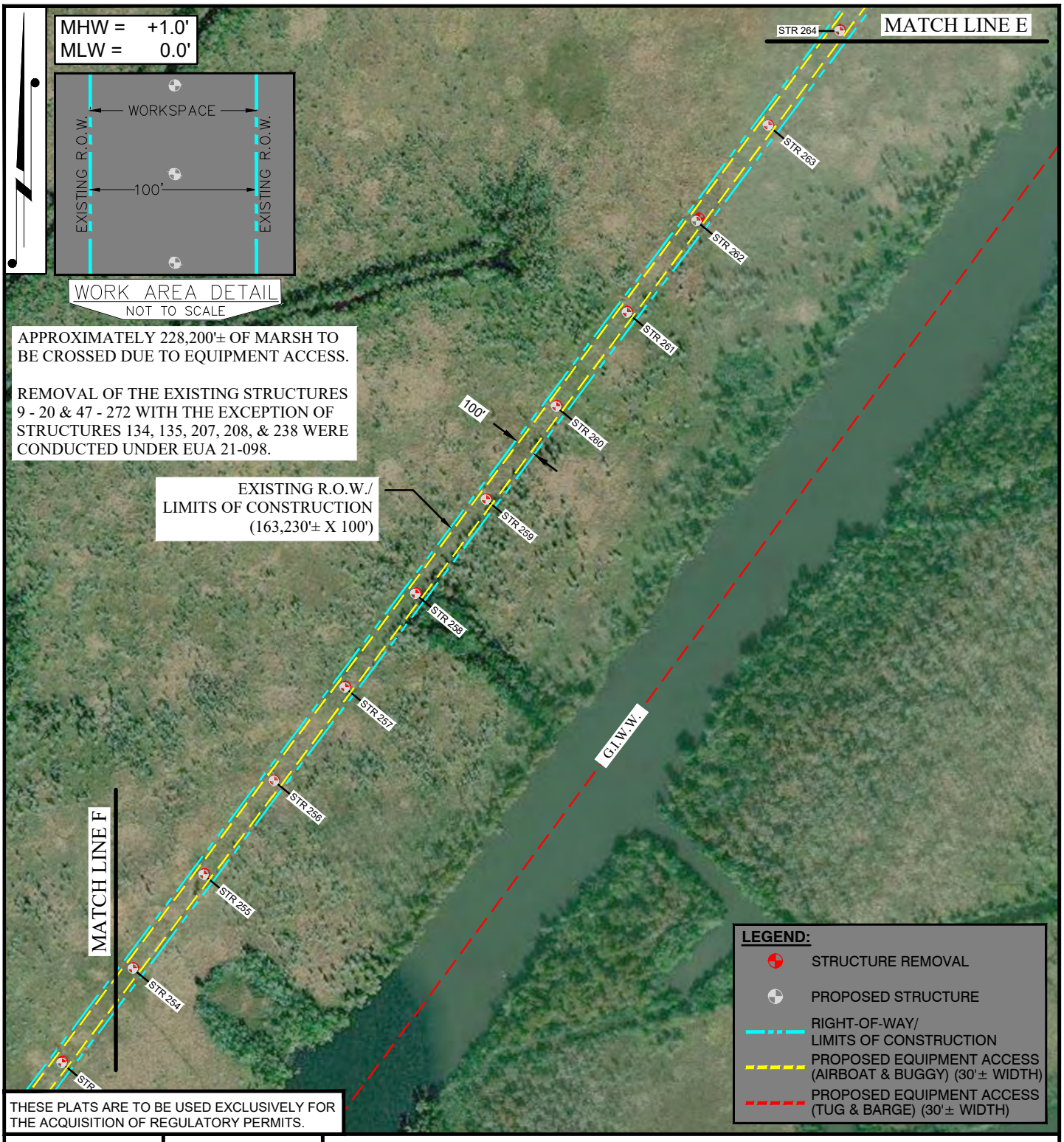
PROPOSED REMOVAL/REPLACEMENT OF EXISTING STRUCTURES ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE
LAFOURCHE & JEFFERSON PARISHES, LOUISIANA

T. BAKER SMITH
A CENTURY OF SOLUTIONS
412 South Van Ave, Houma, LA 70363
(985)868-1868 - tbsmith.com

REV. NO:	REV. DATE:	REV. BY:
04	04/29/2022	SPM

REVISION DESCRIPTION:
ADDED STRUCTURES UNDER EUA.

4/29/2022 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 3_REV.DWG



THESE PLATS ARE TO BE USED EXCLUSIVELY FOR THE ACQUISITION OF REGULATORY PERMITS.

DRAWN BY:	SPM	APPROVED BY:	MDT
DATE:	07/06/2021	JOB NO:	2021.0252
DRAWING NAME:	210252P- 3_REV.DWG		
SHEET NO:	8	OF	41

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

SCALE: 1" = 600'

600' 300' 0' 600'

PLAN VIEW

ENTERGY LOUISIANA, LLC

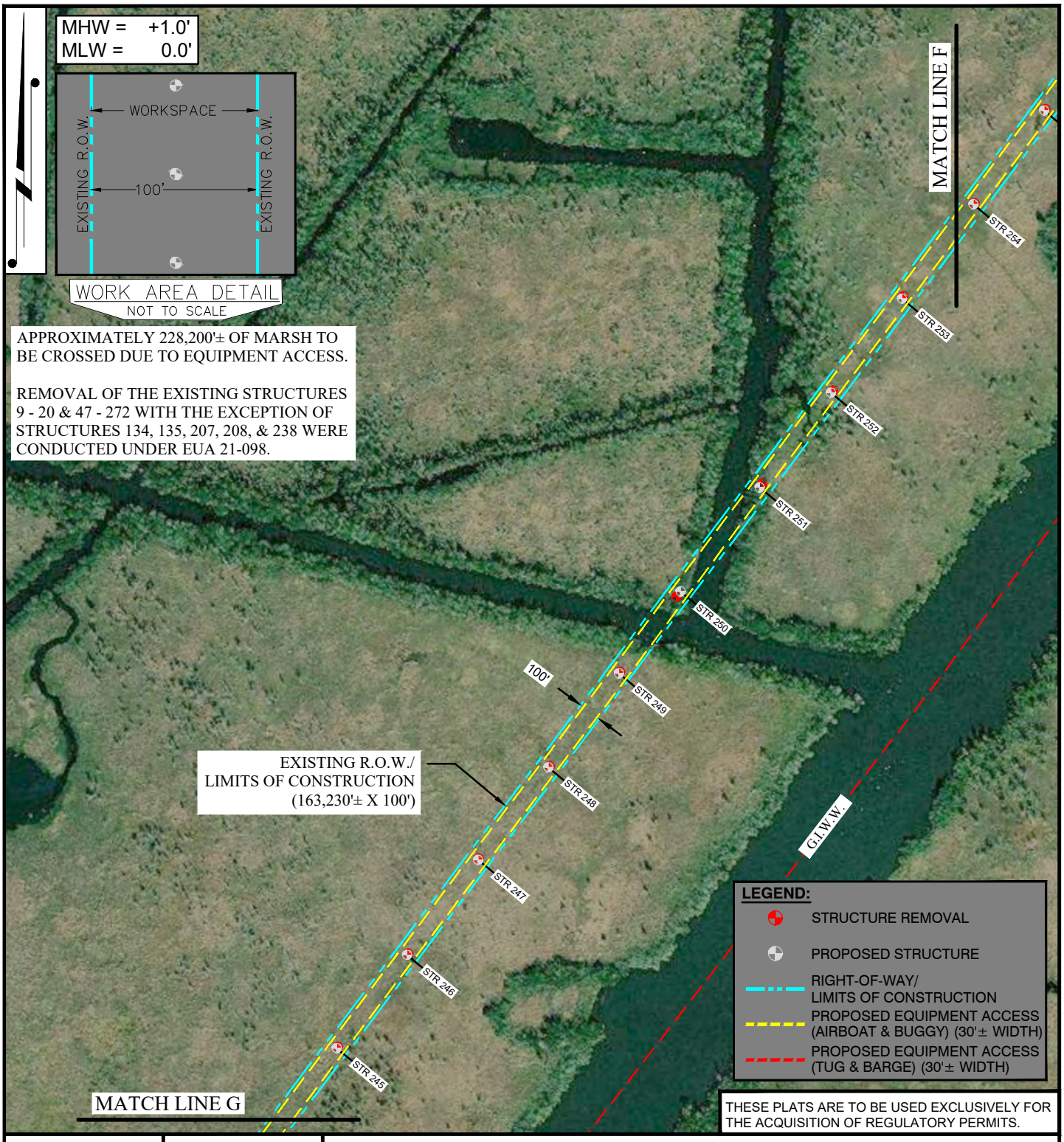
PROPOSED REMOVAL/REPLACEMENT OF EXISTING STRUCTURES ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE LAFOURCHE & JEFFERSON PARISHES, LOUISIANA

T. BAKER SMITH
A CENTURY OF SOLUTIONS
412 South Van Avenue, Houma, LA 70363
(985)868-1868 - tbsmith.com

REV. NO:	04	REV. DATE:	04/29/2022	REV. BY:	SPM

REVISION DESCRIPTION:
ADDED STRUCTURES UNDER EUA.

4/29/2022 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 3_REV.DWG



THESE PLATS ARE TO BE USED EXCLUSIVELY FOR THE ACQUISITION OF REGULATORY PERMITS.

DRAWN BY:	SPM	APPROVED BY:	MDT
DATE:	07/06/2021	JOB NO:	2021.0252
DRAWING NAME:	210252P- 3_REV.DWG		
SHEET NO:	9	OF	41

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

SCALE: 1" = 600'

600' 300' 0' 600'

PLAN VIEW

ENTERGY LOUISIANA, LLC

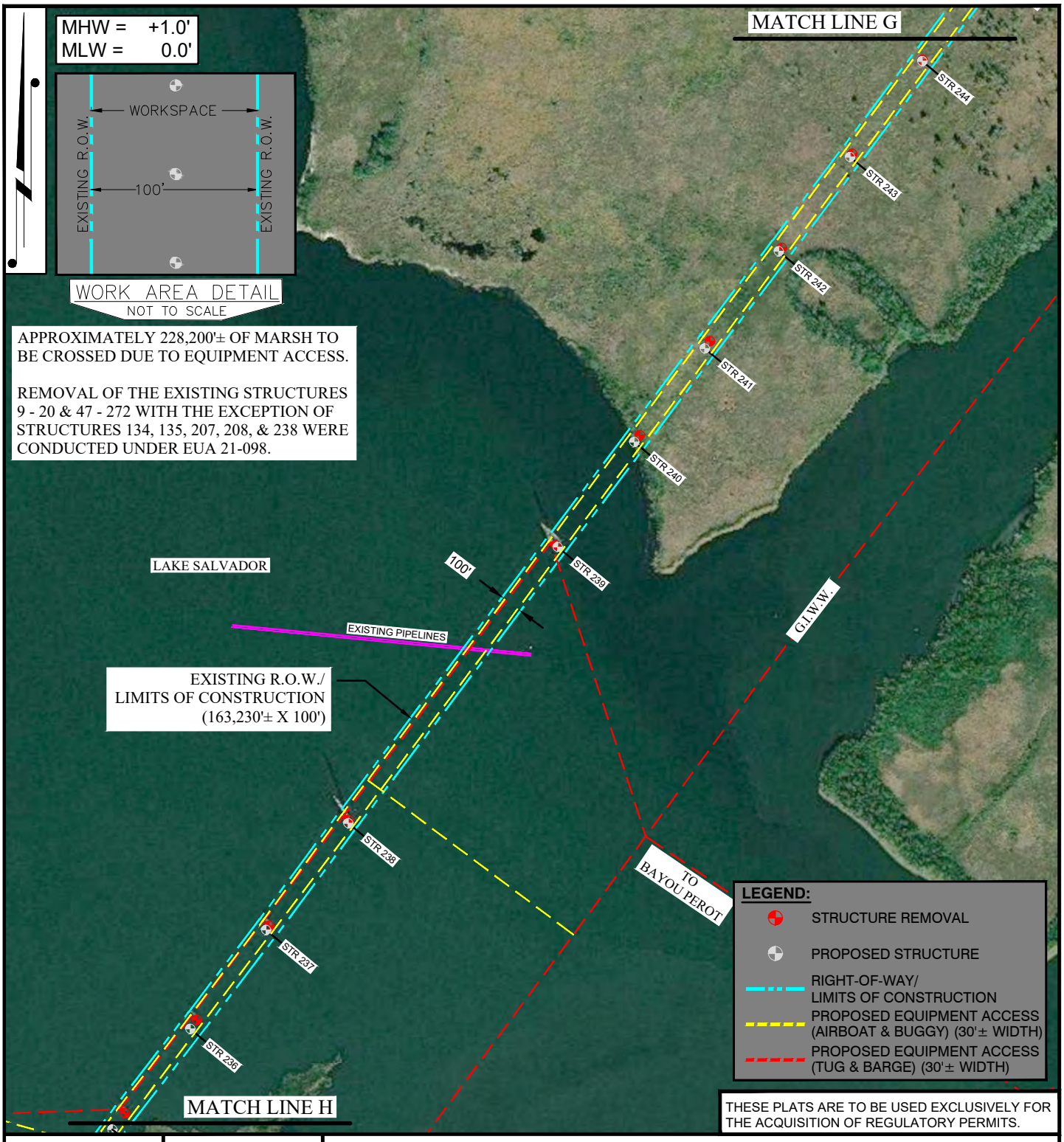
PROPOSED REMOVAL/REPLACEMENT OF EXISTING STRUCTURES ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE LAFOURCHE & JEFFERSON PARISHES, LOUISIANA

T. BAKER SMITH
A CENTURY OF SOLUTIONS
412 South Van Ave, Houma, LA 70363
(985)868-1666 - tbsmith.com

REV. NO:	04	REV. DATE:	04/29/2022	REV. BY:	SPM

REVISION DESCRIPTION:
ADDED STRUCTURES UNDER EUA.

4/29/2022 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 3_REV.DWG



THESE PLATS ARE TO BE USED EXCLUSIVELY FOR THE ACQUISITION OF REGULATORY PERMITS.

DRAWN BY: SPM	APPROVED BY: MDT
DATE: 07/06/2021	JOB NO: 2021.0252
DRAWING NAME: 210252P- 3_REV.DWG	
SHEET NO: 10 OF 41	

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

SCALE: 1" = 600'

600' 300' 0' 600'

PLAN VIEW

ENTERGY LOUISIANA, LLC

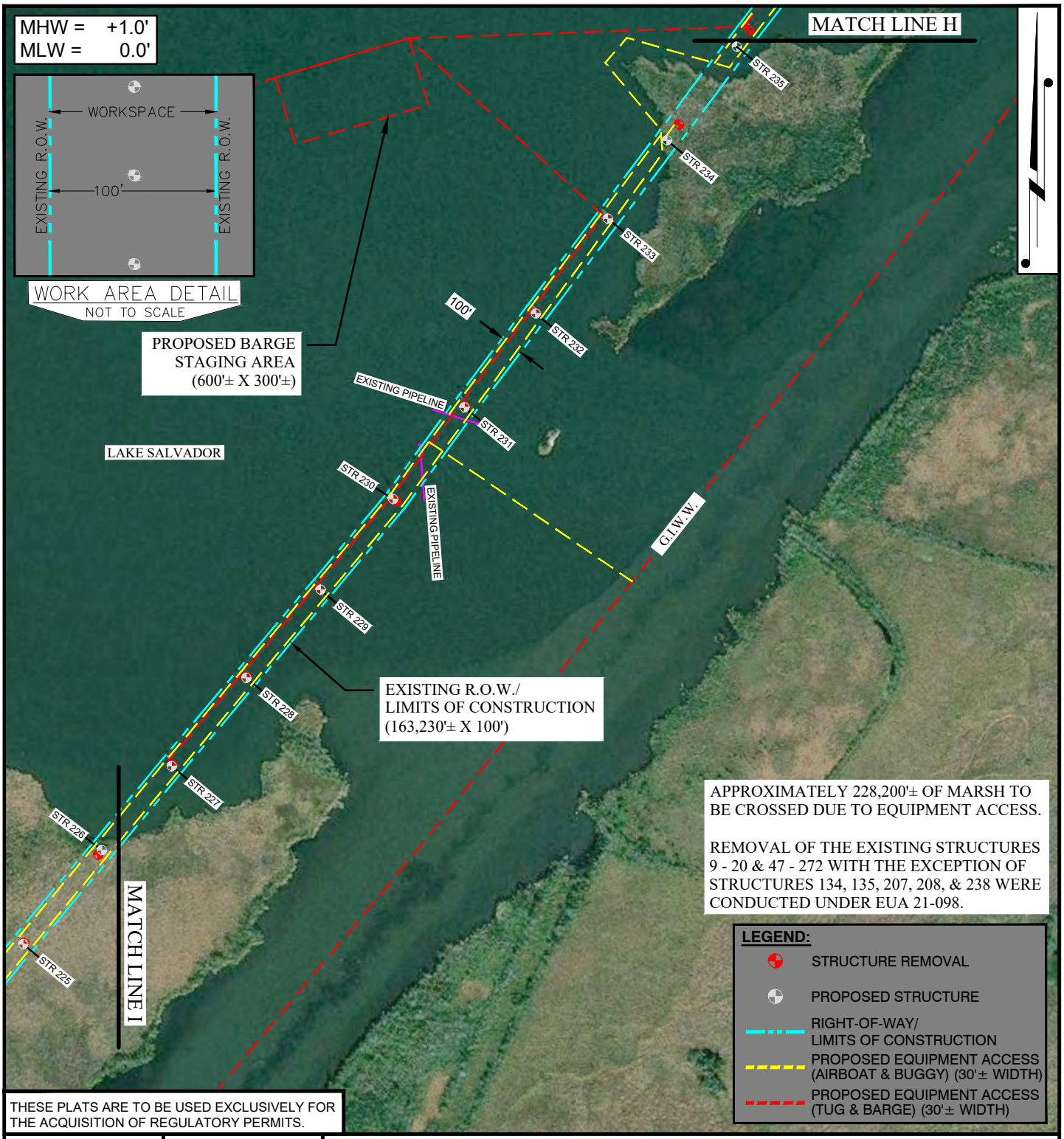
PROPOSED REMOVAL/REPLACEMENT OF EXISTING STRUCTURES ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE
LAFOURCHE & JEFFERSON PARISHES, LOUISIANA

T. BAKER SMITH
A CENTURY OF SOLUTIONS
412 South Van Ave, Houma, LA 70363
(985)868-1666 - tbsmith.com

REV. NO:	REV. DATE:	REV. BY:
04	04/29/2022	SPM

REVISION DESCRIPTION:
ADDED STRUCTURES UNDER EUA.

4/29/2022 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 3_REV.DWG



THESE PLATS ARE TO BE USED EXCLUSIVELY FOR THE ACQUISITION OF REGULATORY PERMITS.

DRAWN BY:	SPM	APPROVED BY:	MDT
DATE:	07/06/2021	JOB NO:	2021.0252
DRAWING NAME:	210252P- 3_REV.DWG		
SHEET NO:	11	OF	41

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

SCALE: 1" = 600'

600' 300' 0' 600'

PLAN VIEW

ENTERGY LOUISIANA, LLC

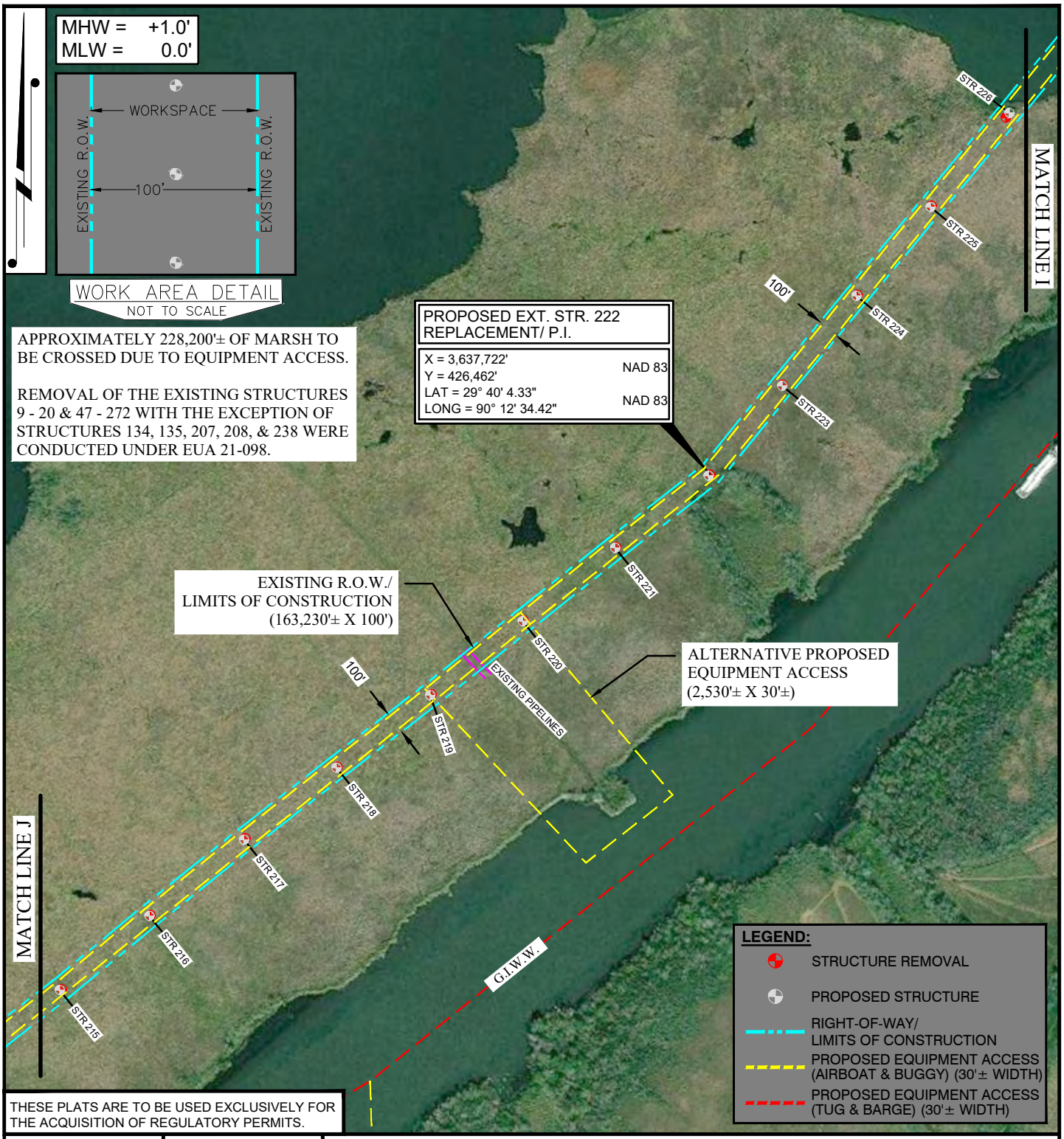
PROPOSED REMOVAL/REPLACEMENT OF EXISTING STRUCTURES ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE
LAFOURCHE & JEFFERSON PARISHES, LOUISIANA

T. BAKER SMITH
A CENTURY OF SOLUTIONS
412 South Van Ave, Houma, LA 70363
(985)868-1666 - tbsmith.com

REV. NO:	REV. DATE:	REV. BY:
04	04/29/2022	SPM

REVISION DESCRIPTION:
ADDED STRUCTURES UNDER EUA.

4/29/2022 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 3_REV.DWG



THESE PLATS ARE TO BE USED EXCLUSIVELY FOR THE ACQUISITION OF REGULATORY PERMITS.

DRAWN BY:	SPM	APPROVED BY:	MDT
DATE:	07/06/2021	JOB NO:	2021.0252
DRAWING NAME:	210252P- 3_REV.DWG		
SHEET NO:	12	OF	41

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

SCALE: 1" = 600'

600' 300' 0' 600'

PLAN VIEW

ENTERGY LOUISIANA, LLC

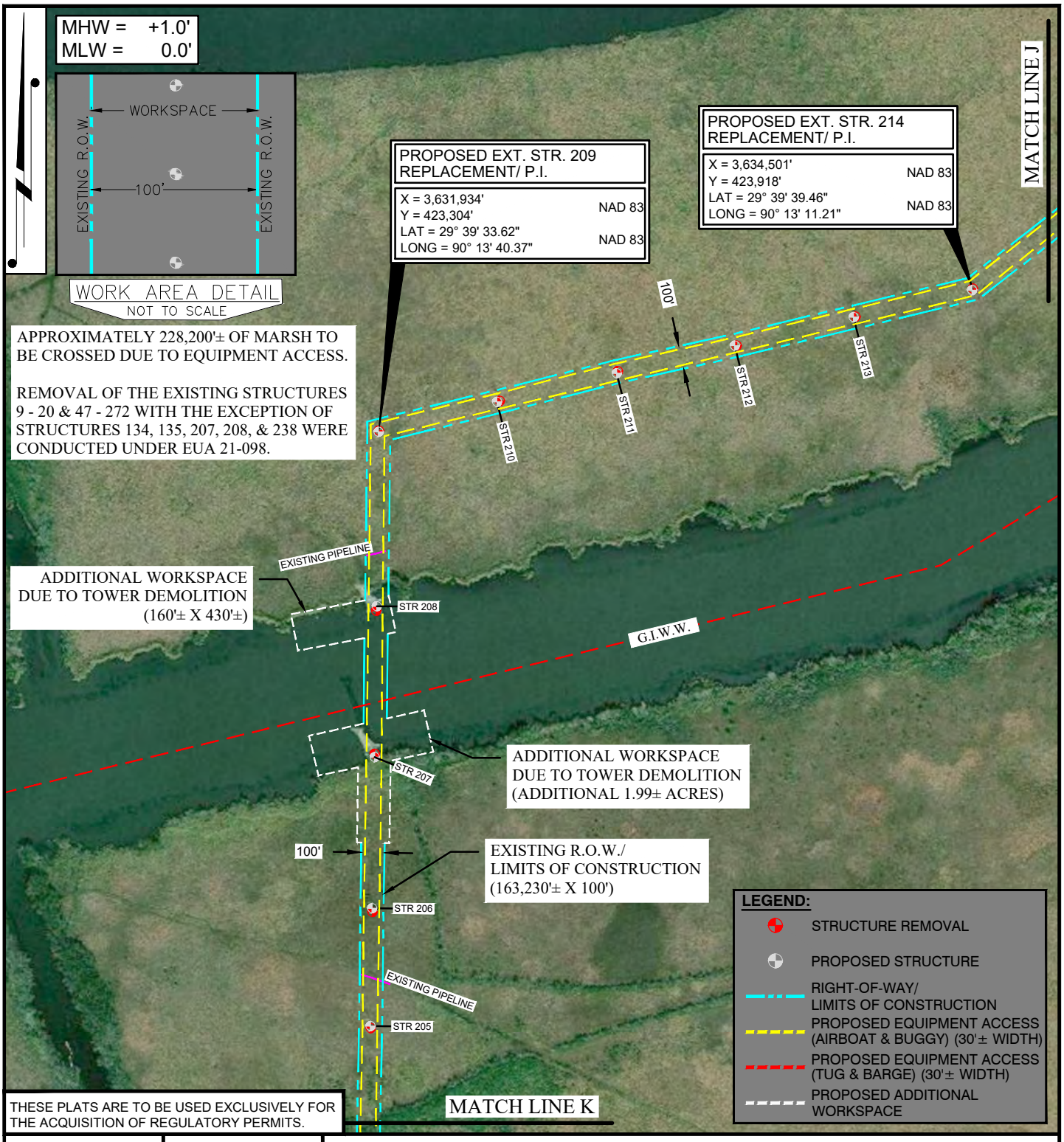
PROPOSED REMOVAL/REPLACEMENT OF EXISTING STRUCTURES ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE LAFOURCHE & JEFFERSON PARISHES, LOUISIANA

T. BAKER SMITH
A CENTURY OF SOLUTIONS
412 South Van Avenue, Houma, LA 70363
(985)868-1666 - tbsmith.com

REV. NO:	04	REV. DATE:	04/29/2022	REV. BY:	SPM

REVISION DESCRIPTION:
ADDED STRUCTURES UNDER EUA.

4/29/2022 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 3_REV.DWG



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DRAWN BY:	SPM	APPROVED BY:	MDT
DATE:	07/06/2021	JOB NO:	2021.0252
DRAWING NAME:	210252P- 3_REV.DWG		
SHEET NO:	13	OF	41

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

SCALE: 1" = 600'

600' 300' 0' 600'

PLAN VIEW

ENTERGY LOUISIANA, LLC

PROPOSED REMOVAL/REPLACEMENT OF EXISTING STRUCTURES ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE
LAFOURCHE & JEFFERSON PARISHES, LOUISIANA

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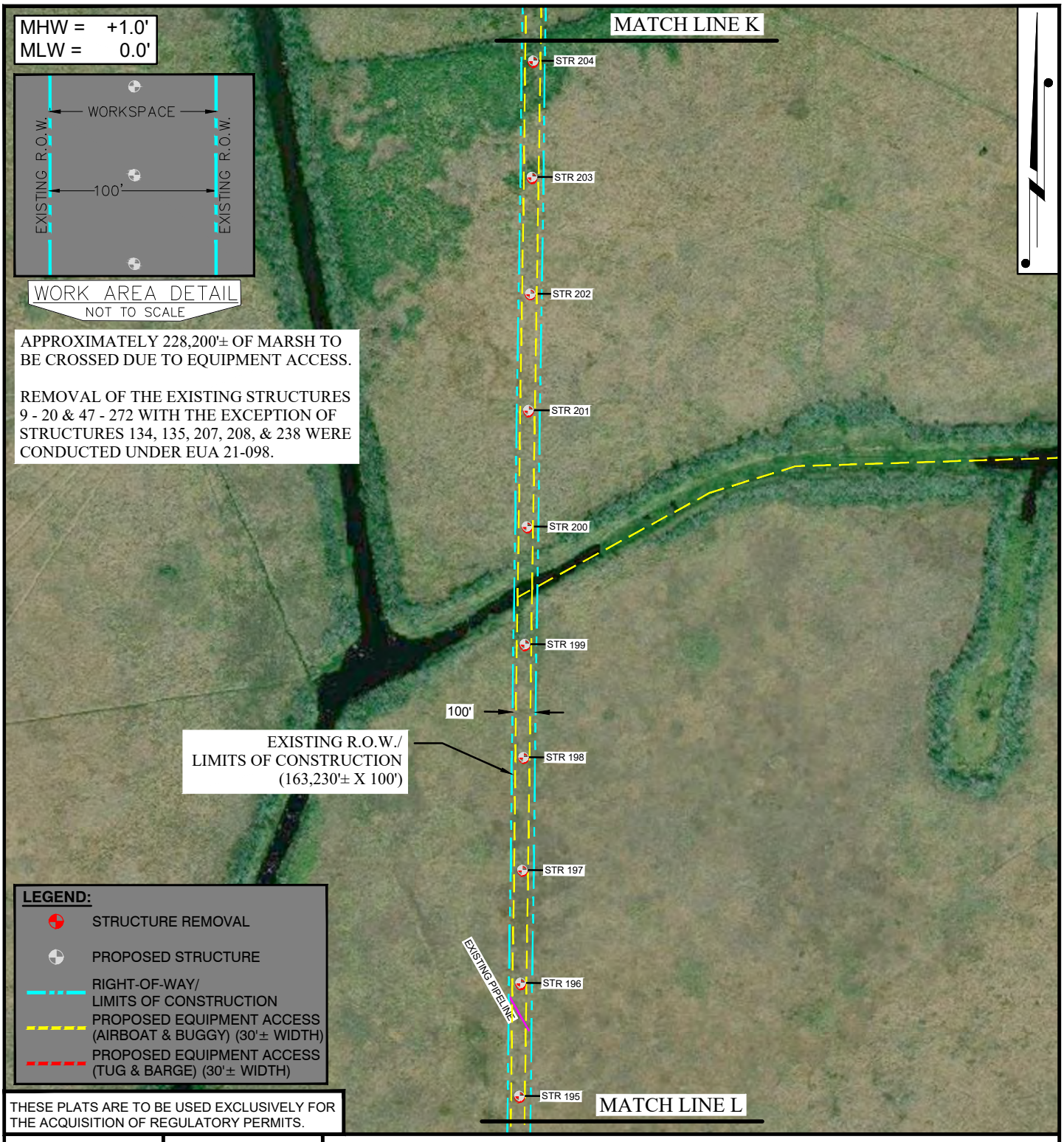
(985)868-1666 - tbsmith.com

REV. NO:	05	REV. DATE:	07/18/2022	REV. BY:	SPM

REVISION DESCRIPTION:
ADDED TOWER DEMOLITION WORKSPACES.

8/30/2022 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 3_REV.DWG



APPROXIMATELY 228,200'± OF MARSH TO BE CROSSED DUE TO EQUIPMENT ACCESS.

REMOVAL OF THE EXISTING STRUCTURES 9 - 20 & 47 - 272 WITH THE EXCEPTION OF STRUCTURES 134, 135, 207, 208, & 238 WERE CONDUCTED UNDER EUA 21-098.

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DRAWN BY:	SPM	APPROVED BY:	MDT
DATE:	07/06/2021	JOB NO:	2021.0252
DRAWING NAME:	210252P- 3_REV.DWG		
SHEET NO:	14	OF	41

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

SCALE: 1" = 600'

600' 300' 0' 600'

PLAN VIEW

ENTERGY LOUISIANA, LLC

PROPOSED REMOVAL/REPLACEMENT OF EXISTING STRUCTURES ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE
LAFOURCHE & JEFFERSON PARISHES, LOUISIANA

T. BAKER SMITH
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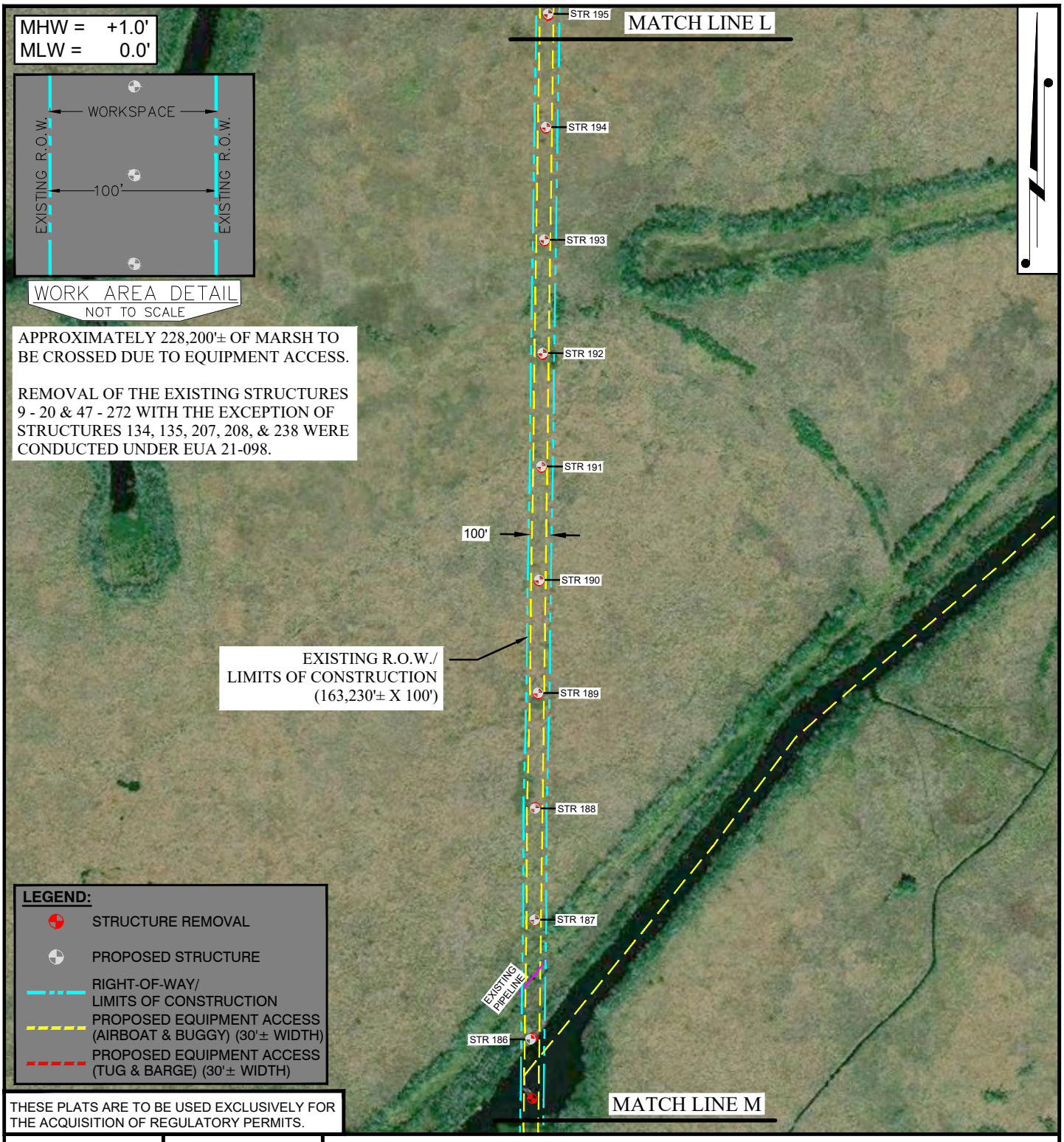
REV. NO:	04	REV. DATE:	04/29/2022	REV. BY:	SPM

REVISION DESCRIPTION:
ADDED STRUCTURES UNDER EUA.

4/29/2022 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 3_REV.DWG



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DATE:	07/06/2021	JOB NO:	2021.0252
DRAWING NAME:	210252P- 3_REV.DWG		
SHEET NO:	15	OF	41

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

SCALE: 1" = 600'

600' 300' 0' 600'

PLAN VIEW

ENTERGY LOUISIANA, LLC

PROPOSED REMOVAL/REPLACEMENT OF EXISTING STRUCTURES ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE
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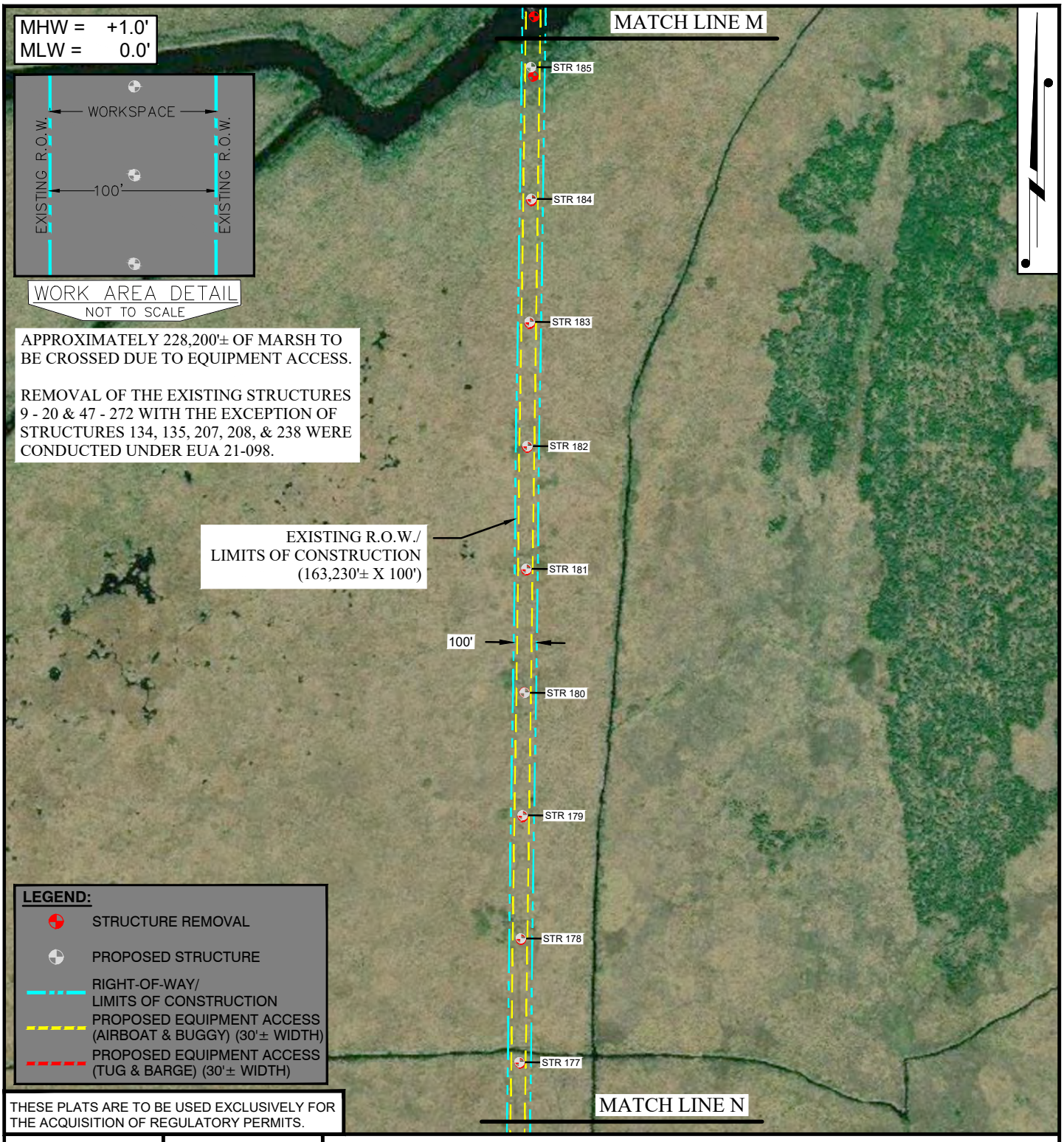
REV. NO:	04	REV. DATE:	04/29/2022	REV. BY:	SPM

REVISION DESCRIPTION:
ADDED STRUCTURES UNDER EUA.

4/29/2022 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 3_REV.DWG



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DATE:	07/06/2021	JOB NO:	2021.0252
DRAWING NAME:	210252P- 3_REV.DWG		
SHEET NO:	16	OF	41

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

SCALE: 1" = 600'

600' 300' 0' 600'

PLAN VIEW

ENTERGY LOUISIANA, LLC

PROPOSED REMOVAL/REPLACEMENT OF EXISTING STRUCTURES ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE
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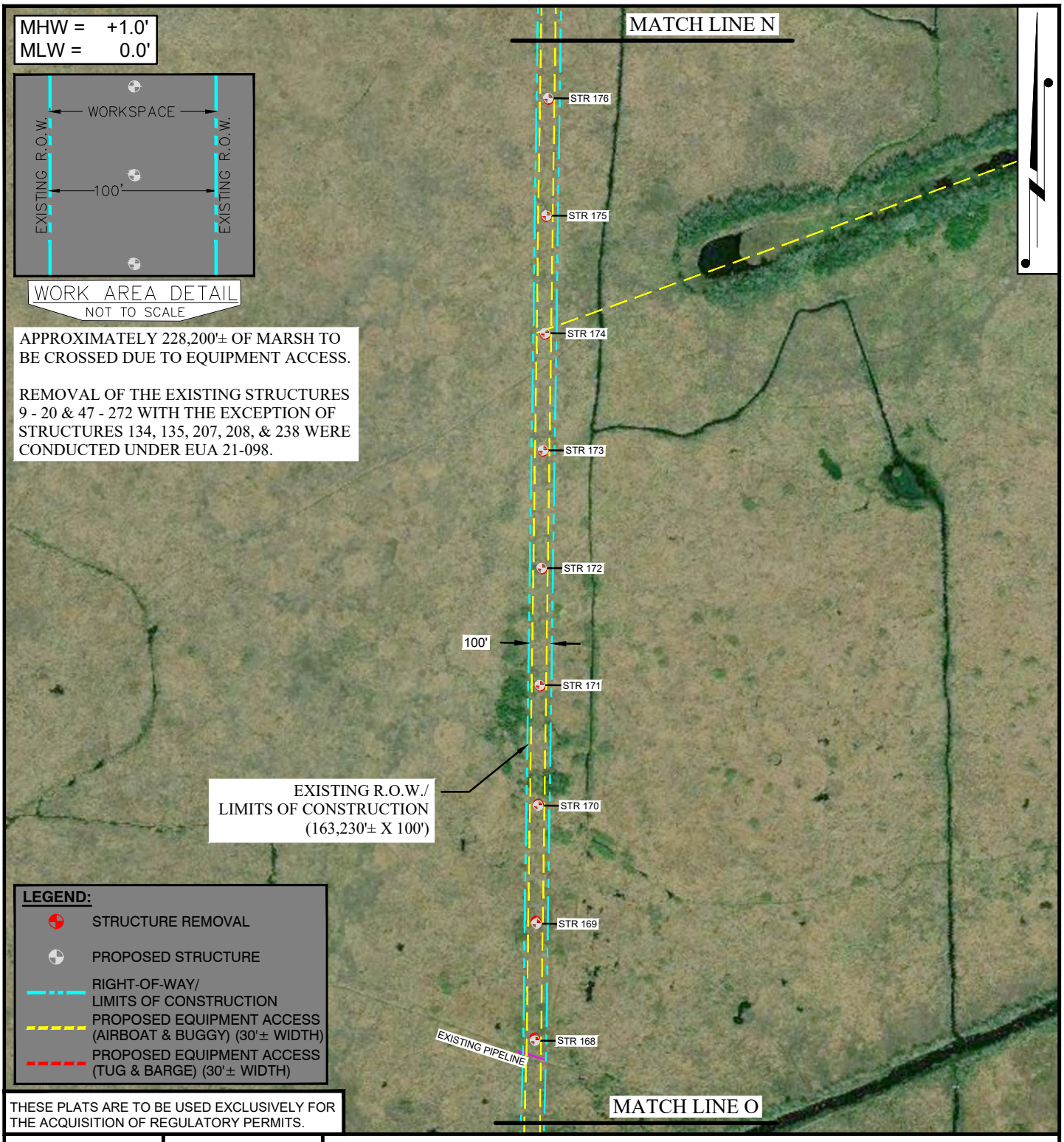
REV. NO:	04	REV. DATE: 04/29/2022	REV. BY:	SPM

REVISION DESCRIPTION:
ADDED STRUCTURES UNDER EUA.

4/29/2022 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 3_REV.DWG



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DATE:	07/06/2021	JOB NO:	2021.0252
DRAWING NAME:	210252P- 3_REV.DWG		
SHEET NO:	17	OF	41

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

SCALE: 1" = 600'

600' 300' 0' 600'

PLAN VIEW

ENTERGY LOUISIANA, LLC

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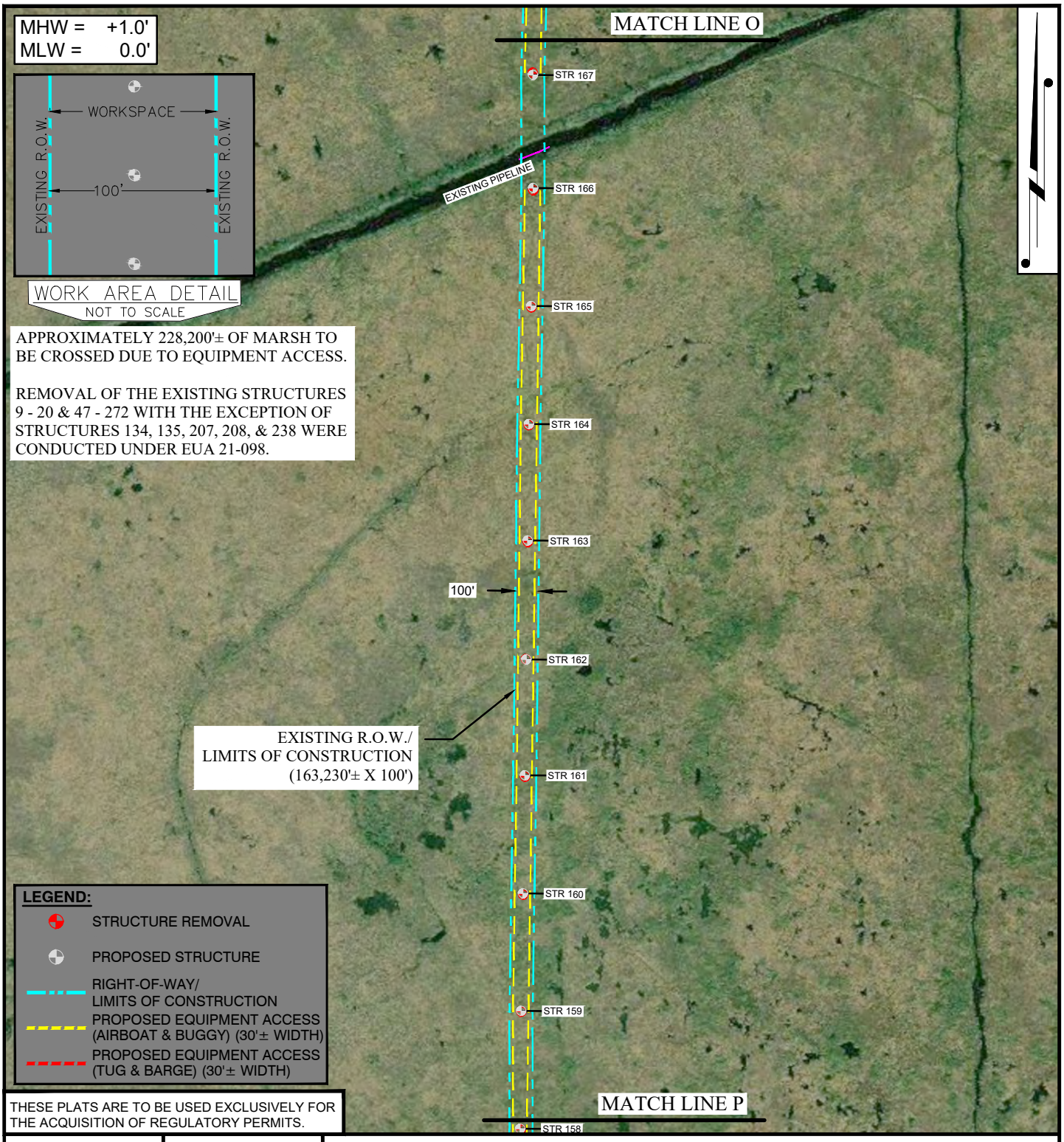
REV. NO:	04	REV. DATE:	04/29/2022	REV. BY:	SPM

REVISION DESCRIPTION:
ADDED STRUCTURES UNDER EUA.

4/29/2022 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 3_REV.DWG



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DATE:	07/06/2021	JOB NO:	2021.0252
DRAWING NAME:	210252P- 3_REV.DWG		
SHEET NO:	18	OF	41

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

SCALE: 1" = 600'

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PLAN VIEW

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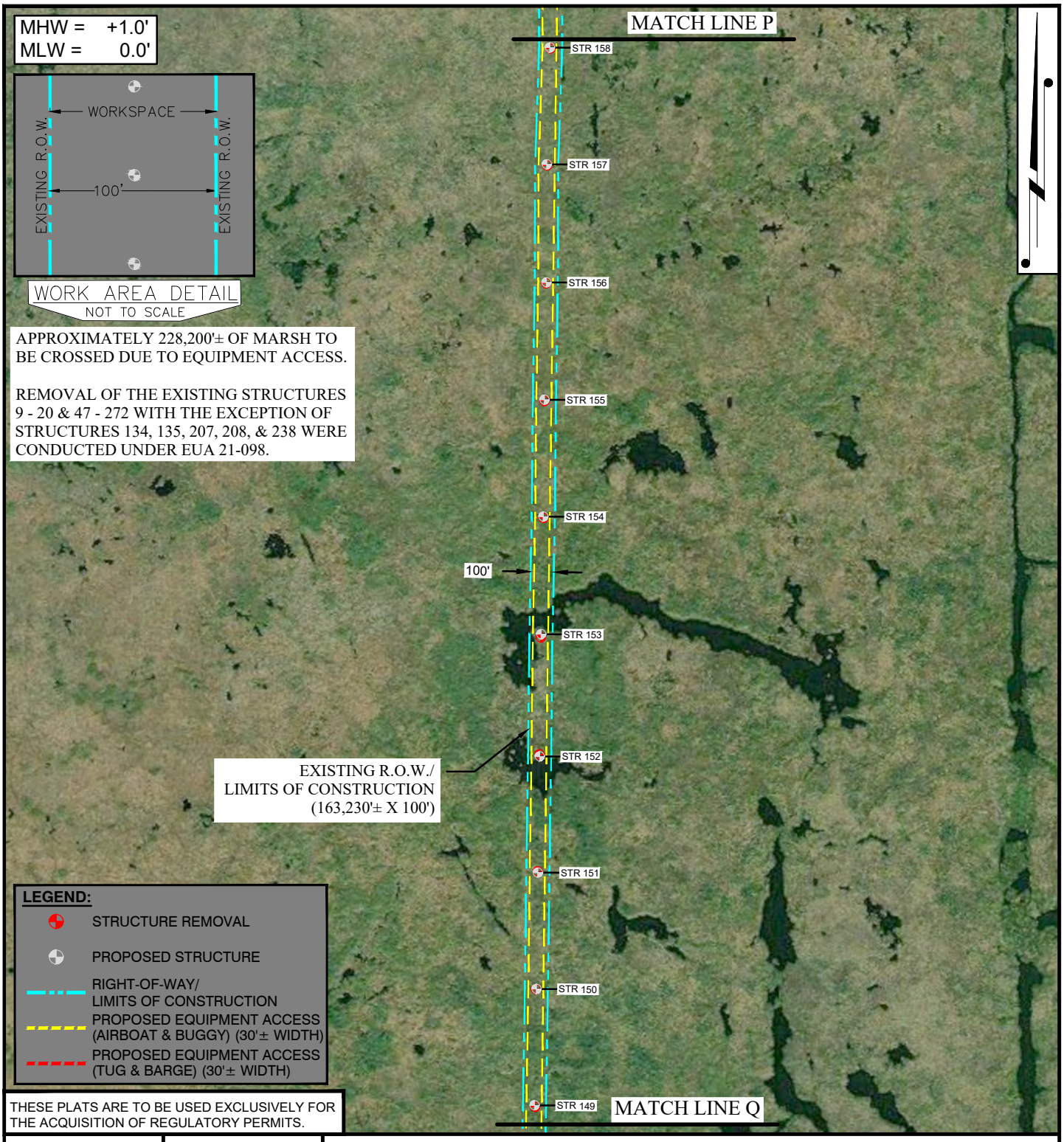
REV. NO:	04	REV. DATE: 04/29/2022	REV. BY:	SPM

REVISION DESCRIPTION:
ADDED STRUCTURES UNDER EUA.

4/29/2022 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 3_REV.DWG



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DRAWN BY:	SPM	APPROVED BY:	MDT
DATE:	07/06/2021	JOB NO:	2021.0252
DRAWING NAME:	210252P- 3_REV.DWG		
SHEET NO:	19	OF	41

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

SCALE: 1" = 600'

600' 300' 0' 600'

PLAN VIEW

ENTERGY LOUISIANA, LLC

PROPOSED REMOVAL/REPLACEMENT OF EXISTING STRUCTURES ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE
LAFOURCHE & JEFFERSON PARISHES, LOUISIANA

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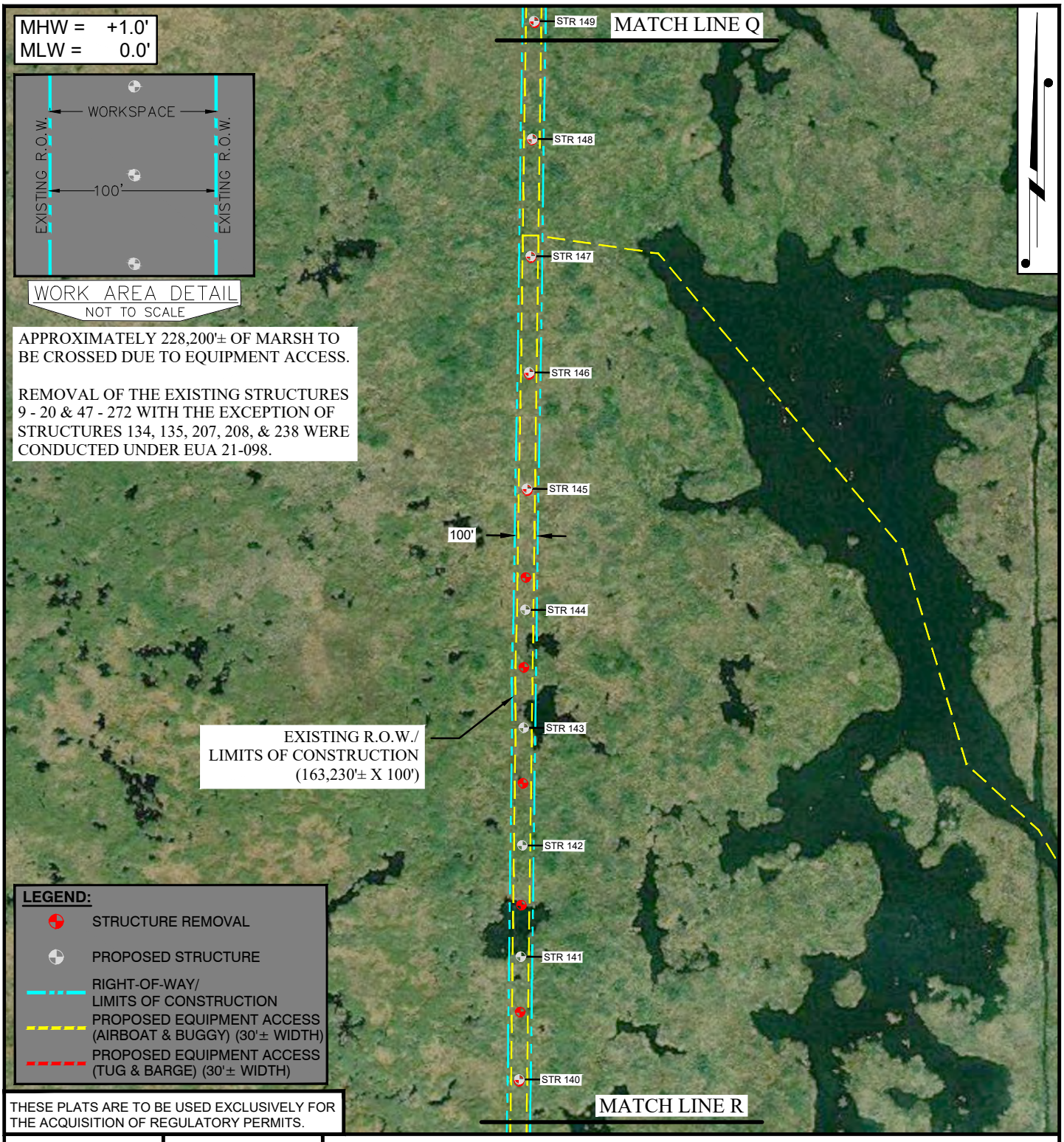
REV. NO:	04	REV. DATE:	04/29/2022	REV. BY:	SPM

REVISION DESCRIPTION:
ADDED STRUCTURES UNDER EUA.

4/29/2022 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 3_REV.DWG



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DRAWN BY:	SPM	APPROVED BY:	MDT
DATE:	07/06/2021	JOB NO:	2021.0252
DRAWING NAME:	210252P- 3_REV.DWG		
SHEET NO:	20	OF	41

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

SCALE: 1" = 600'

600' 300' 0' 600'

PLAN VIEW

ENTERGY LOUISIANA, LLC

PROPOSED REMOVAL/REPLACEMENT OF EXISTING STRUCTURES ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE
LAFOURCHE & JEFFERSON PARISHES, LOUISIANA

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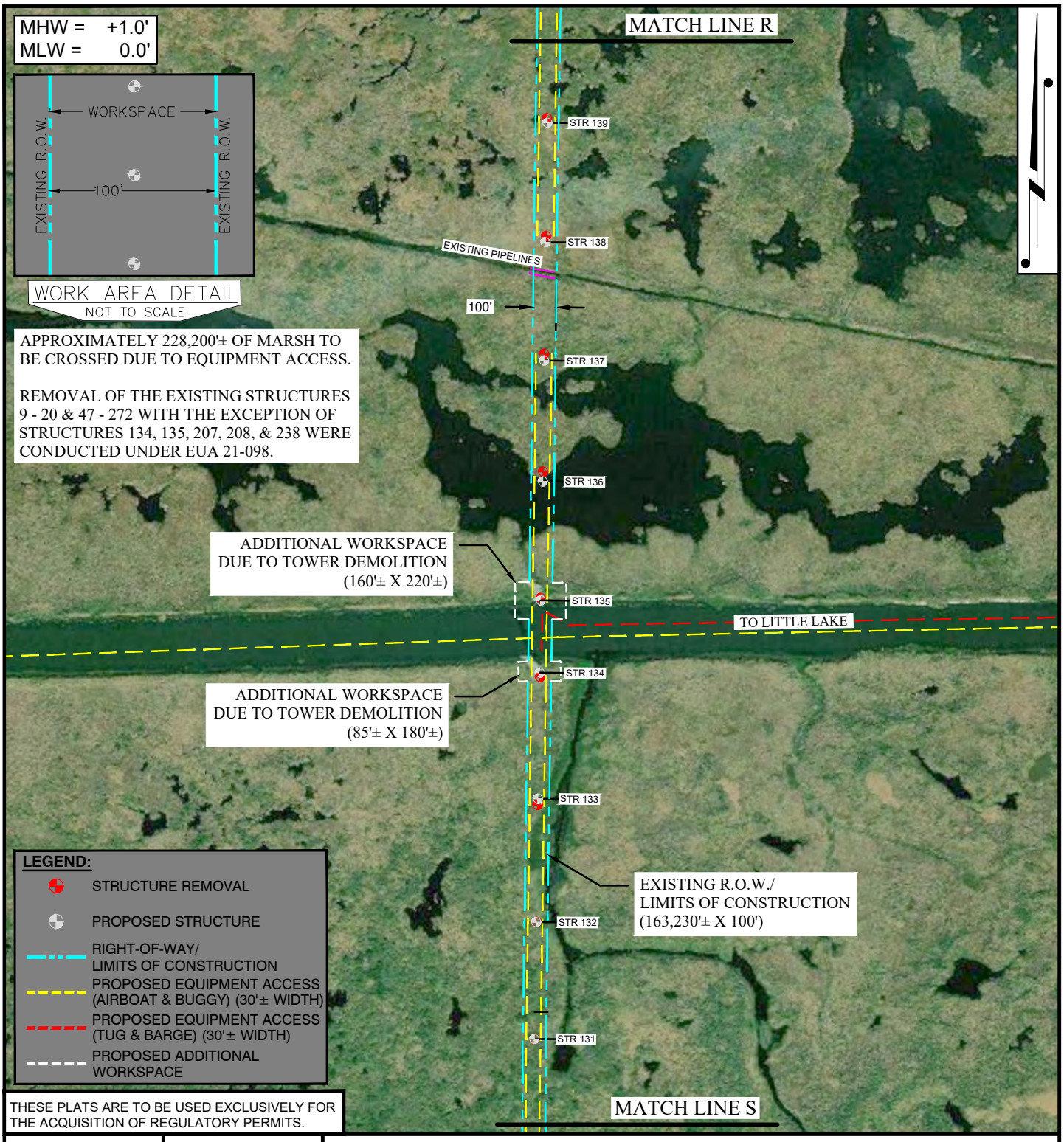
(985)868-1868 - tbsmith.com

REV. NO:	04	REV. DATE:	04/29/2022	REV. BY:	SPM

REVISION DESCRIPTION:
ADDED STRUCTURES UNDER EUA.

4/29/2022 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 3_REV.DWG



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DRAWN BY:	SPM	APPROVED BY:	MDT
DATE:	07/06/2021	JOB NO:	2021.0252
DRAWING NAME:	210252P- 3_REV.DWG		
SHEET NO:	21	OF	41

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

SCALE: 1" = 600'

600' 300' 0' 600'

PLAN VIEW

ENTERGY LOUISIANA, LLC

PROPOSED REMOVAL/REPLACEMENT OF EXISTING STRUCTURES ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE
LAFOURCHE & JEFFERSON PARISHES, LOUISIANA

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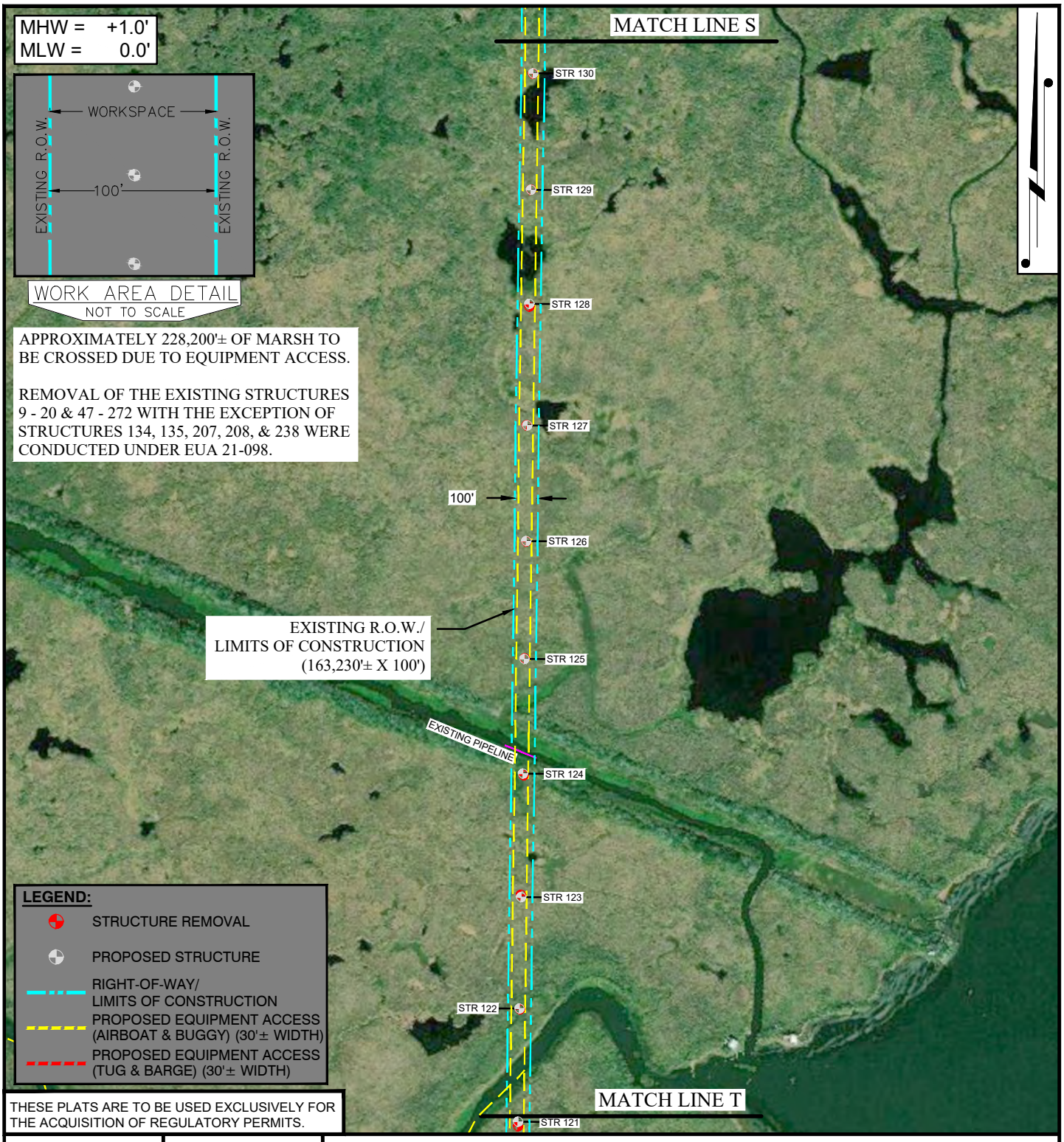
REV. NO:	05	REV. DATE:	07/18/2022	REV. BY:	SPM

REVISION DESCRIPTION:
ADDED TOWER DEMOLITION WORKSPACES.

7/21/2022 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 3_REV.DWG



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DRAWN BY:	SPM	APPROVED BY:	MDT
DATE:	07/06/2021	JOB NO:	2021.0252
DRAWING NAME:	210252P- 3_REV.DWG		
SHEET NO:	22	OF	41

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

SCALE: 1" = 600'

600' 300' 0' 600'

PLAN VIEW

ENTERGY LOUISIANA, LLC

PROPOSED REMOVAL/REPLACEMENT OF EXISTING STRUCTURES ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE
LAFOURCHE & JEFFERSON PARISHES, LOUISIANA

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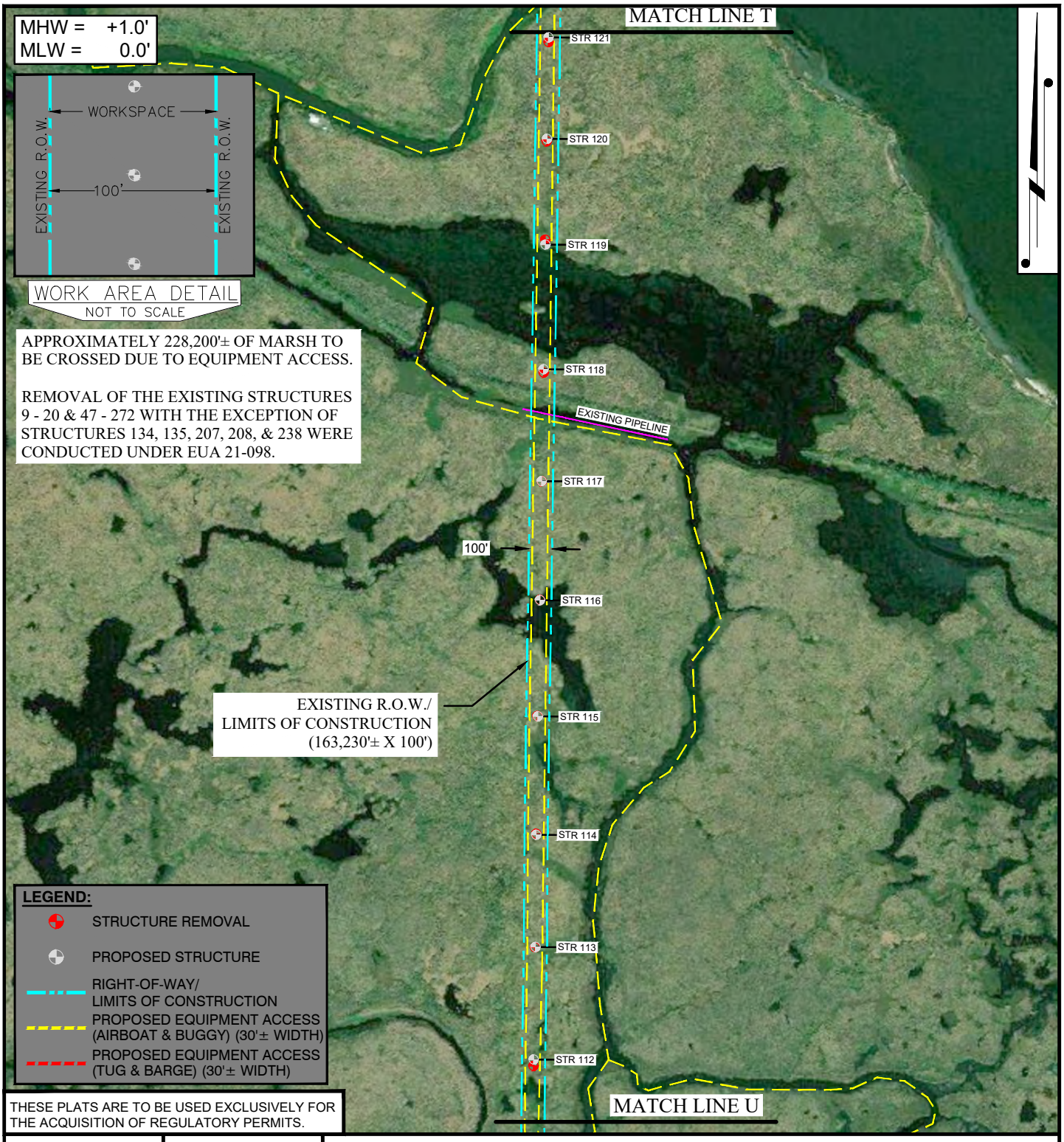
REV. NO:	04	REV. DATE:	04/29/2022	REV. BY:	SPM

REVISION DESCRIPTION:
ADDED STRUCTURES UNDER EUA.

4/29/2022 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 3_REV.DWG



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DRAWN BY:	SPM	APPROVED BY:	MDT
DATE:	07/06/2021	JOB NO:	2021.0252
DRAWING NAME:	210252P- 3_REV.DWG		
SHEET NO:	23	OF	41

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

SCALE: 1" = 600'

600' 300' 0' 600'

PLAN VIEW

ENTERGY LOUISIANA, LLC

PROPOSED REMOVAL/REPLACEMENT OF EXISTING STRUCTURES ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE
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REV. NO:	04	REV. DATE:	04/29/2022	REV. BY:	SPM

REVISION DESCRIPTION:
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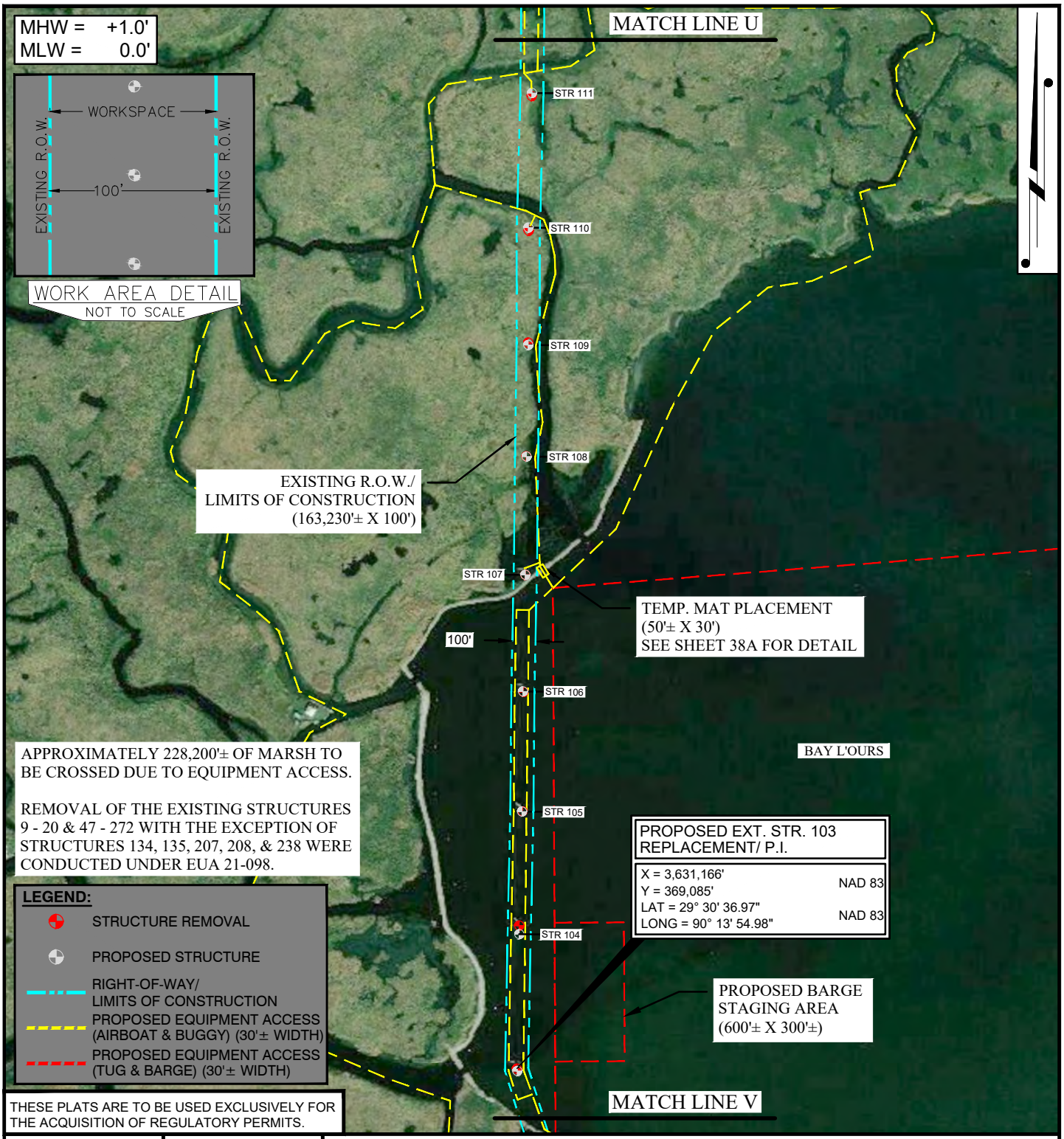

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DRAWN BY:	SPM	APPROVED BY:	MDT
DATE:	07/06/2021	JOB NO:	2021.0252
DRAWING NAME:	210252P- 3_REV.DWG		
SHEET NO:	24	OF	41

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

SCALE: 1" = 600'

600' 300' 0' 600'

PLAN VIEW

ENTERGY LOUISIANA, LLC

PROPOSED REMOVAL/REPLACEMENT OF EXISTING STRUCTURES ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE
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REV. NO:	REV. DATE:	REV. BY:
05	04/29/2022	SPM

REVISION DESCRIPTION:
ADDED STRUCTURES UNDER EUA.

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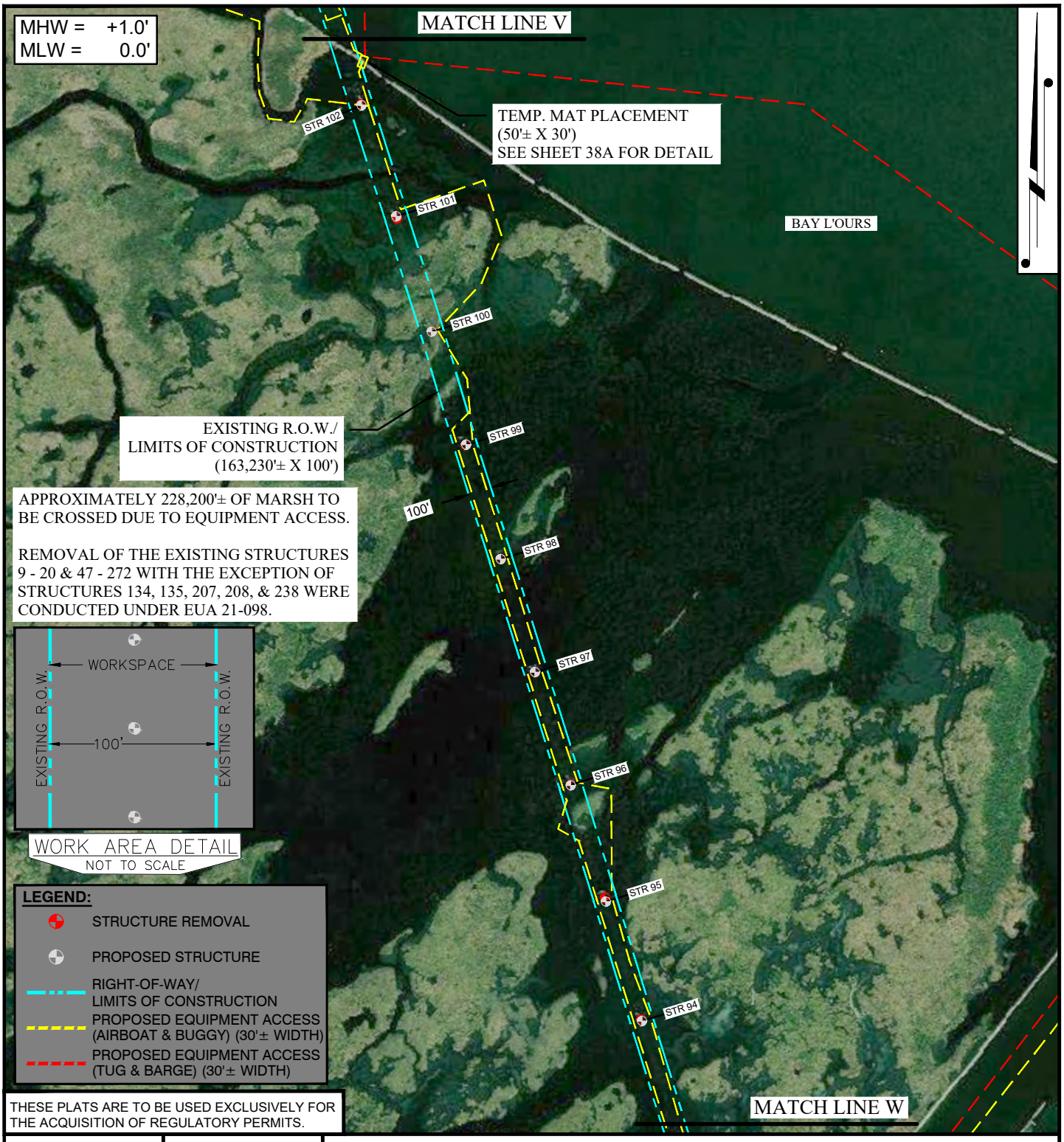

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DATE:	07/06/2021	JOB NO:	2021.0252
DRAWING NAME:	210252P- 3_REV.DWG		
SHEET NO:	25	OF	41

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

SCALE: 1" = 600'

600' 300' 0' 600'

PLAN VIEW

ENTERGY LOUISIANA, LLC

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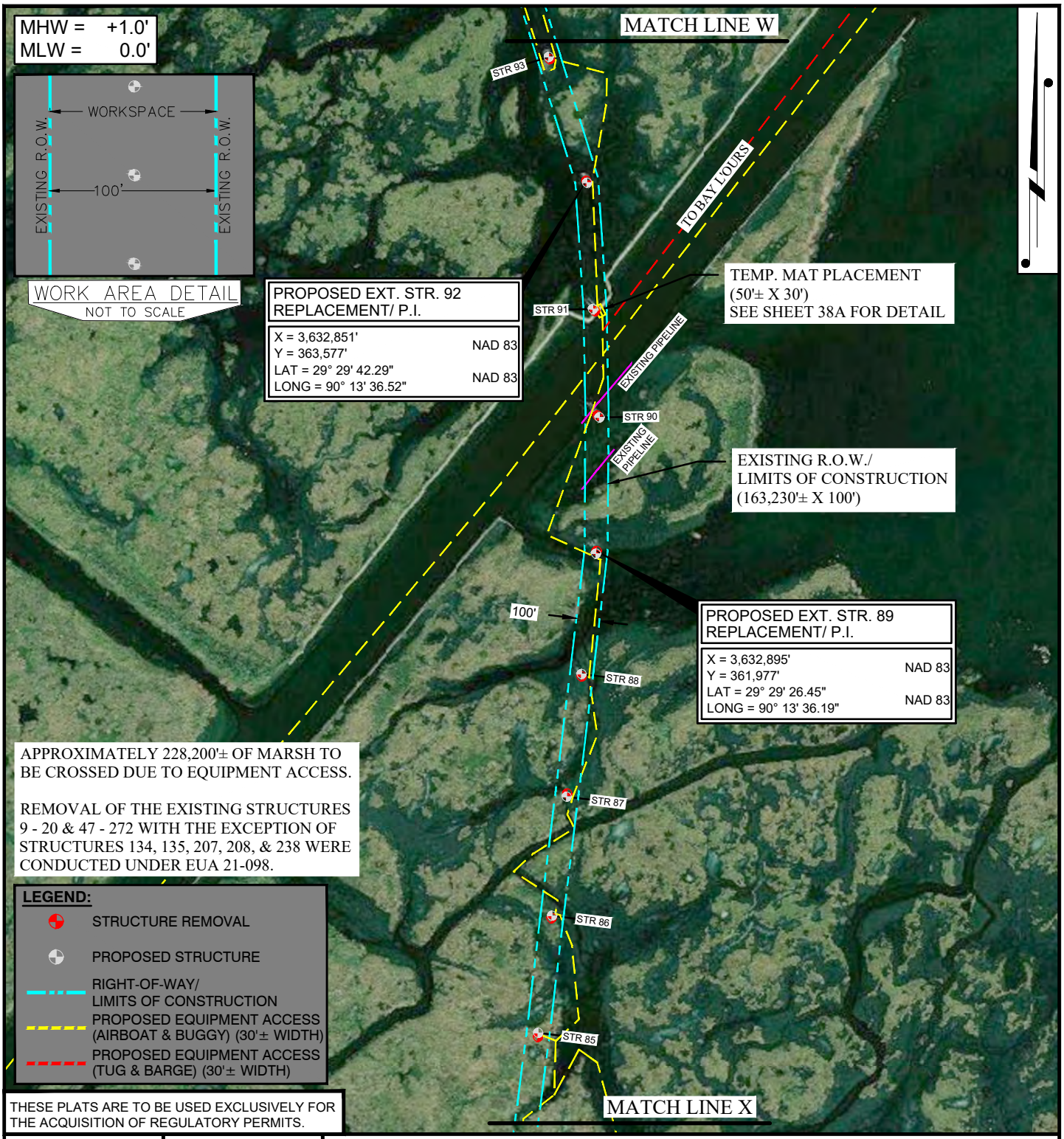

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DATE:	07/06/2021	JOB NO:	2021.0252
DRAWING NAME:	210252P- 3_REV.DWG		
SHEET NO:	26	OF	41

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

SCALE: 1" = 600'

600' 300' 0' 600'

PLAN VIEW

ENTERGY LOUISIANA, LLC

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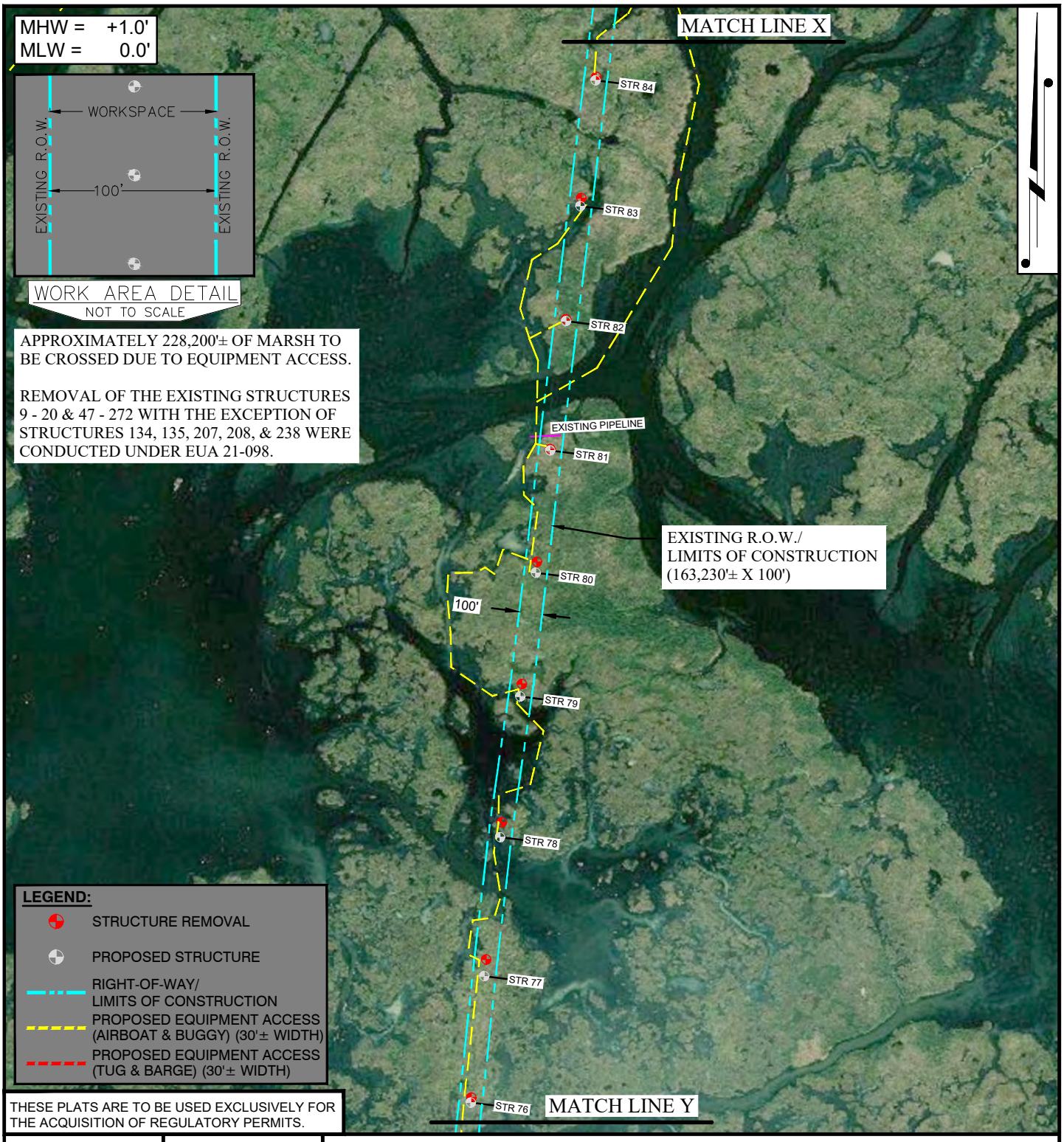
LAFOURCHE & JEFFERSON PARISHES, LOUISIANA

T. BAKER SMITH
A CENTURY OF SOLUTIONS
412 South Van Ave, Houma, LA 70363
(985)868-1868 - tbsmith.com

REV. NO:	04	REV. DATE:	04/29/2022	REV. BY:	SPM

REVISION DESCRIPTION:
ADDED STRUCTURES UNDER EUA.

4/29/2022 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 3_REV.DWG



THESE PLATS ARE TO BE USED EXCLUSIVELY FOR THE ACQUISITION OF REGULATORY PERMITS.

DRAWN BY:	SPM	APPROVED BY:	MDT
DATE:	07/06/2021	JOB NO:	2021.0252
DRAWING NAME:	210252P- 3_REV.DWG		
SHEET NO:	27	OF	41

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

SCALE: 1" = 600'

600' 300' 0' 600'

PLAN VIEW

ENTERGY LOUISIANA, LLC

PROPOSED REMOVAL/REPLACEMENT OF EXISTING STRUCTURES ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE
LAFOURCHE & JEFFERSON PARISHES, LOUISIANA

T. BAKER SMITH
A CENTURY OF SOLUTIONS
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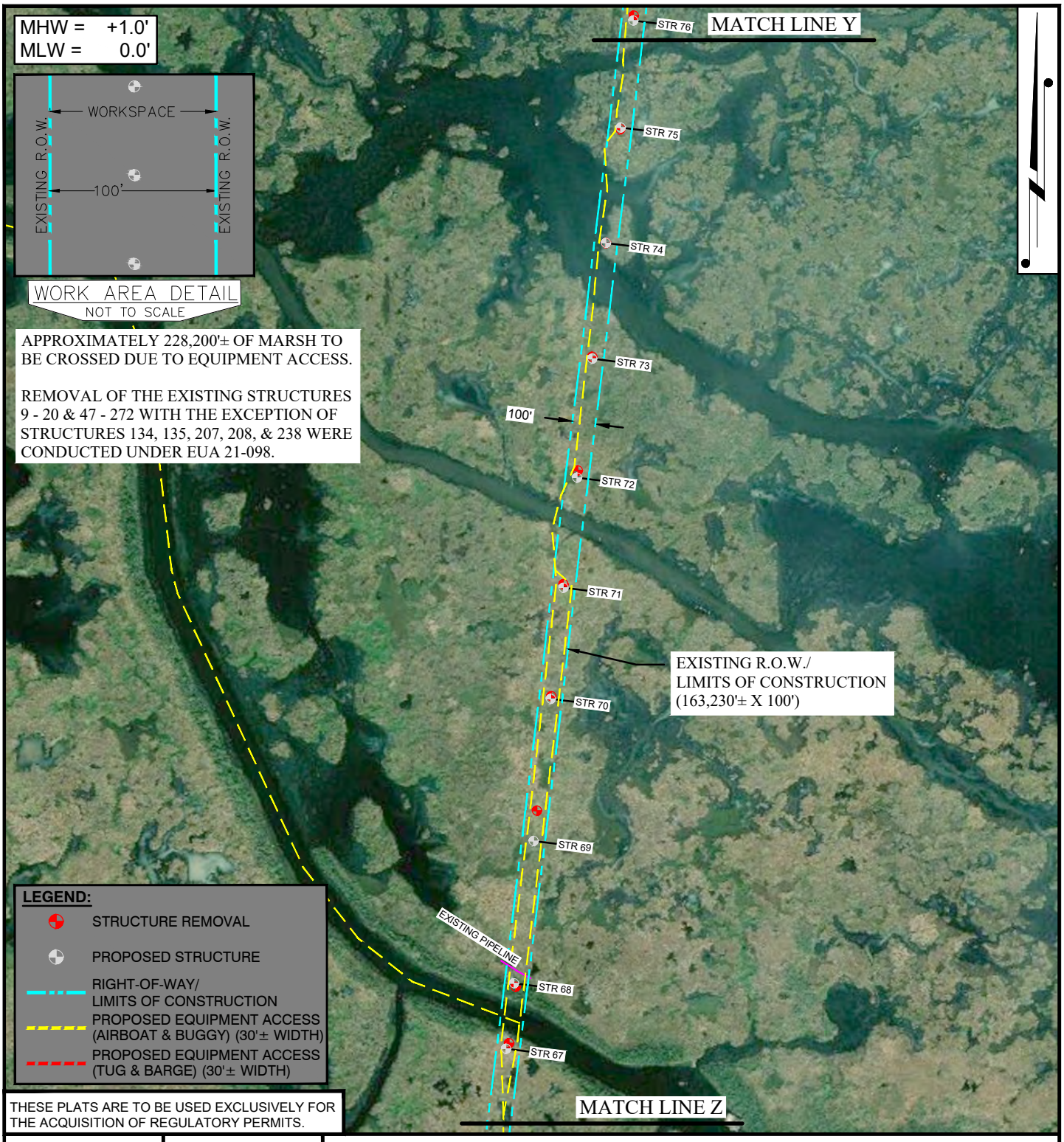
REV. NO:	04	REV. DATE:	04/29/2022	REV. BY:	SPM

REVISION DESCRIPTION:
ADDED STRUCTURES UNDER EUA.

4/29/2022 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 3_REV.DWG



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DRAWN BY:	SPM	APPROVED BY:	MDT
DATE:	07/06/2021	JOB NO:	2021.0252
DRAWING NAME:	210252P- 3_REV.DWG		
SHEET NO:	28	OF	41

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

SCALE: 1" = 600'

600' 300' 0' 600'

PLAN VIEW

ENTERGY LOUISIANA, LLC

PROPOSED REMOVAL/REPLACEMENT OF EXISTING STRUCTURES ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE
LAFOURCHE & JEFFERSON PARISHES, LOUISIANA

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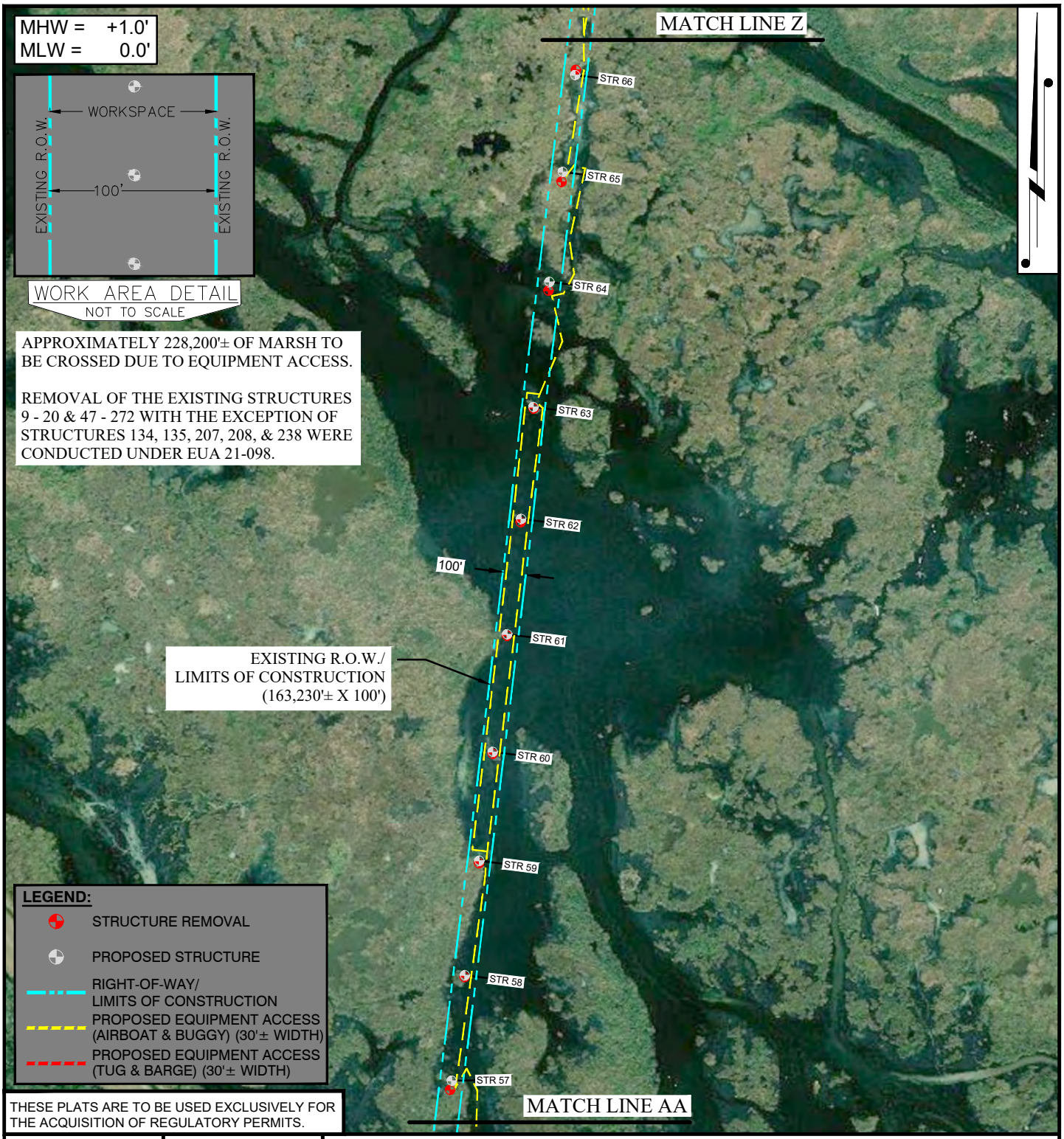
REV. NO:	04	REV. DATE:	04/29/2022	REV. BY:	SPM

REVISION DESCRIPTION:
ADDED STRUCTURES UNDER EUA.

4/29/2022 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 3_REV.DWG



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DRAWN BY:	SPM	APPROVED BY:	MDT
DATE:	07/06/2021	JOB NO:	2021.0252
DRAWING NAME:	210252P- 3_REV.DWG		
SHEET NO:	29	OF	41

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

SCALE: 1" = 600'

600' 300' 0' 600'

PLAN VIEW

ENTERGY LOUISIANA, LLC

PROPOSED REMOVAL/REPLACEMENT OF EXISTING STRUCTURES ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE
LAFOURCHE & JEFFERSON PARISHES, LOUISIANA

T. BAKER SMITH
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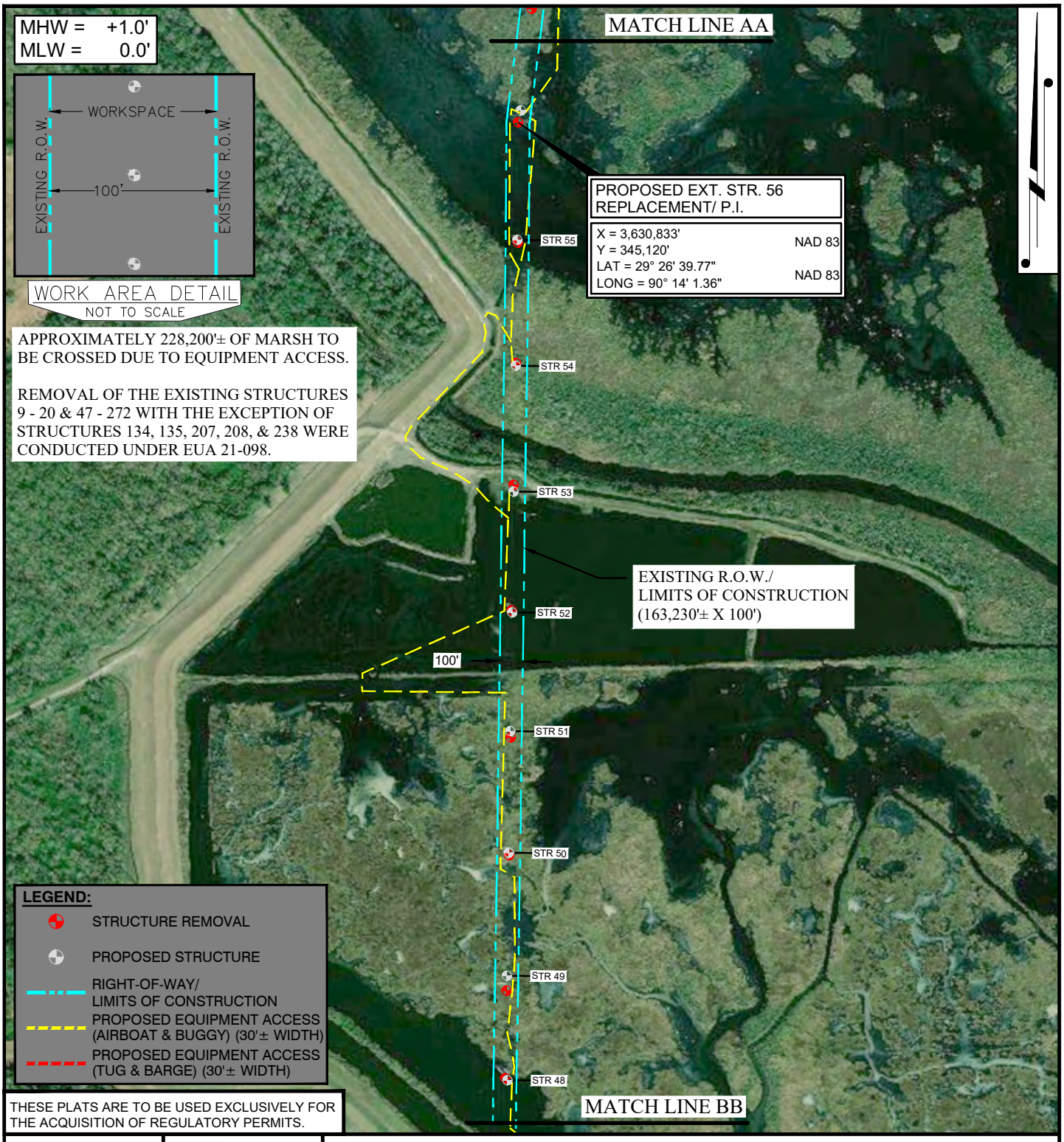
REV. NO:	04	REV. DATE:	04/29/2022	REV. BY:	SPM

REVISION DESCRIPTION:
ADDED STRUCTURES UNDER EUA.

4/29/2022 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 3_REV.DWG



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DRAWN BY:	SPM	APPROVED BY:	MDT
DATE:	07/06/2021	JOB NO:	2021.0252
DRAWING NAME:	210252P- 3_REV.DWG		
SHEET NO:	30	OF	41

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

SCALE: 1" = 600'

600' 300' 0' 600'

PLAN VIEW

ENTERGY LOUISIANA, LLC

PROPOSED REMOVAL/REPLACEMENT OF EXISTING STRUCTURES ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE LAFOURCHE & JEFFERSON PARISHES, LOUISIANA

T. BAKER SMITH
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REV. NO:	04	REV. DATE:	04/29/2022	REV. BY:	SPM

REVISION DESCRIPTION:
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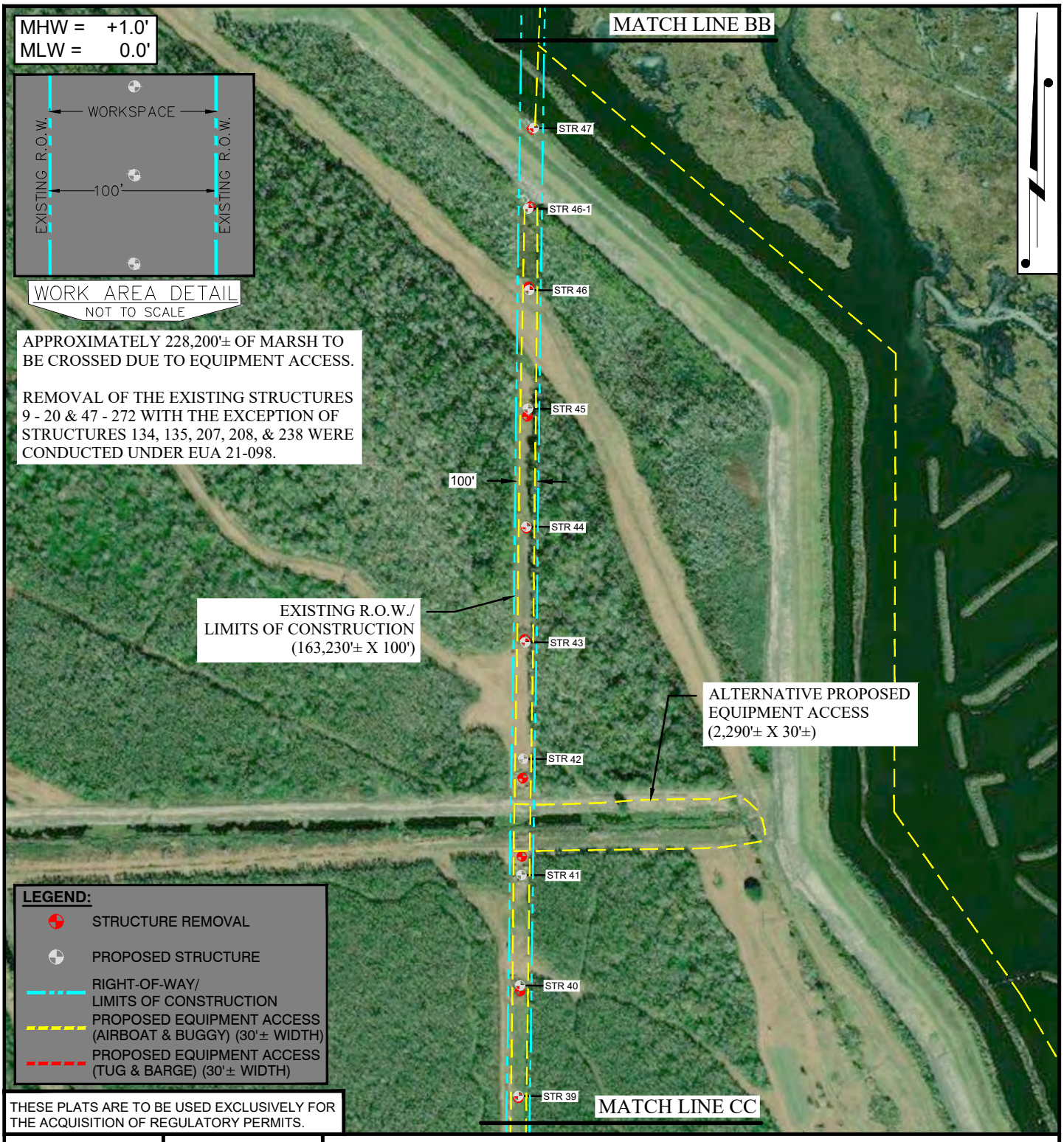
4/29/2022 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 3_REV.DWG



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DATE:	07/06/2021	JOB NO:	2021.0252
DRAWING NAME:	210252P- 3_REV.DWG		
SHEET NO:	31	OF	41

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

SCALE: 1" = 600'

600' 300' 0' 600'

PLAN VIEW

ENTERGY LOUISIANA, LLC

PROPOSED REMOVAL/REPLACEMENT OF EXISTING STRUCTURES ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE
LAFOURCHE & JEFFERSON PARISHES, LOUISIANA

T. BAKER SMITH
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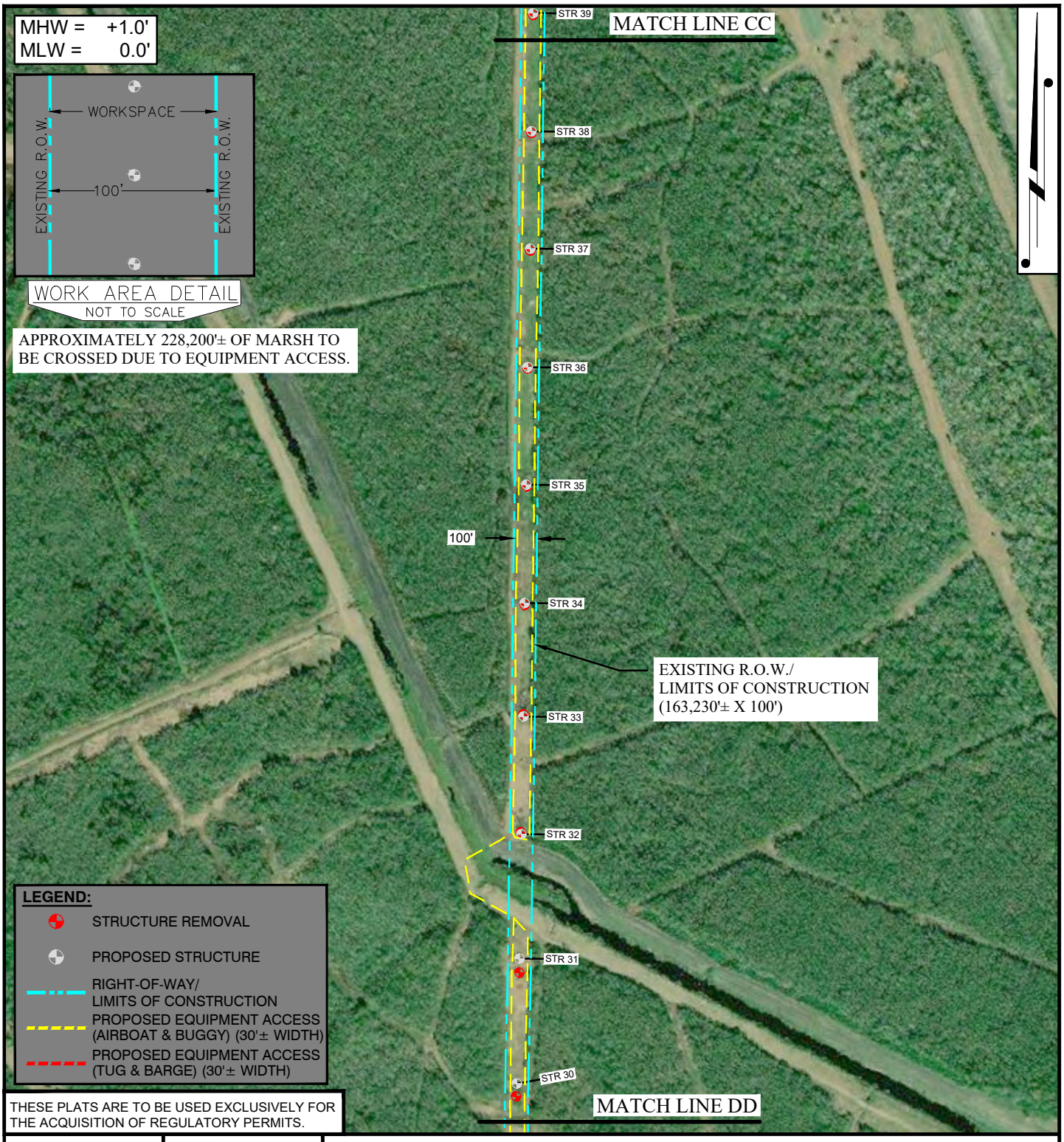
REV. NO:	04	REV. DATE:	04/29/2022	REV. BY:	SPM

REVISION DESCRIPTION:
ADDED STRUCTURES UNDER EUA.

4/29/2022 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 3_REV.DWG



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DRAWN BY:	SPM	APPROVED BY:	MDT
DATE:	07/06/2021	JOB NO:	2021.0252
DRAWING NAME:	210252P- 3_REV.DWG		
SHEET NO:	32	OF	41

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

SCALE: 1" = 600'

600' 300' 0' 600'

PLAN VIEW

ENTERGY LOUISIANA, LLC

PROPOSED REMOVAL/REPLACEMENT OF EXISTING STRUCTURES ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE
LAFOURCHE & JEFFERSON PARISHES, LOUISIANA

T. BAKER SMITH
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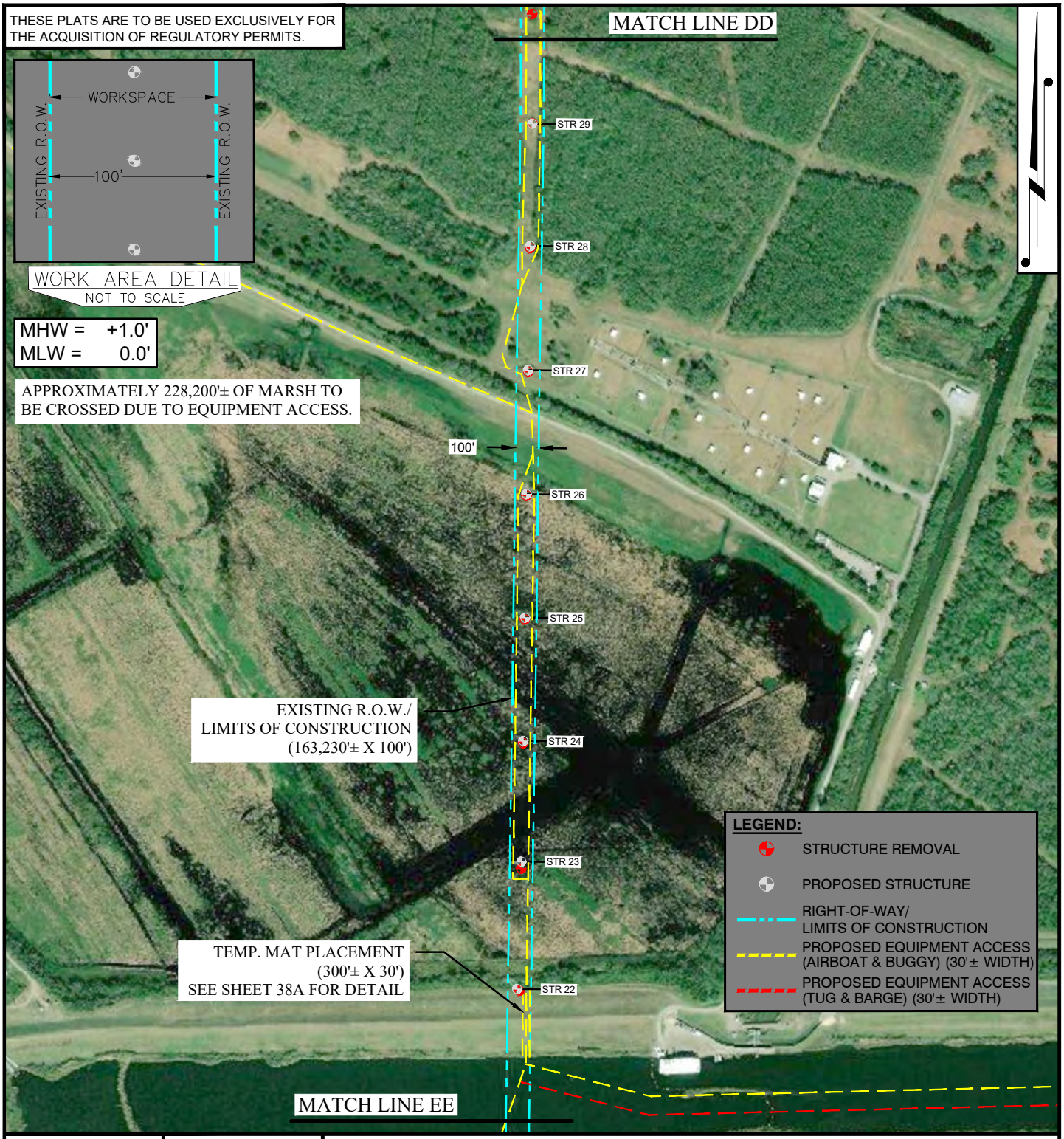
(985)868-1868 - tbsmith.com

REV. NO:	03	REV. DATE:	02/10/2022	REV. BY:	SPM

REVISION DESCRIPTION:
REVISED EQUIPMENT ACCESS.

2/10/2022 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 3_REV.DWG

THESE PLATS ARE TO BE USED EXCLUSIVELY FOR THE ACQUISITION OF REGULATORY PERMITS.



DRAWN BY:	SPM	APPROVED BY:	MDT
DATE:	07/06/2021	JOB NO:	2021.0252
DRAWING NAME:	210252P- 3_REV.DWG		
SHEET NO:	33	OF	41

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

SCALE: 1" = 600'

600' 300' 0' 600'

PLAN VIEW

ENTERGY LOUISIANA, LLC

PROPOSED REMOVAL/REPLACEMENT OF EXISTING STRUCTURES ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE
LAFOURCHE & JEFFERSON PARISHES, LOUISIANA

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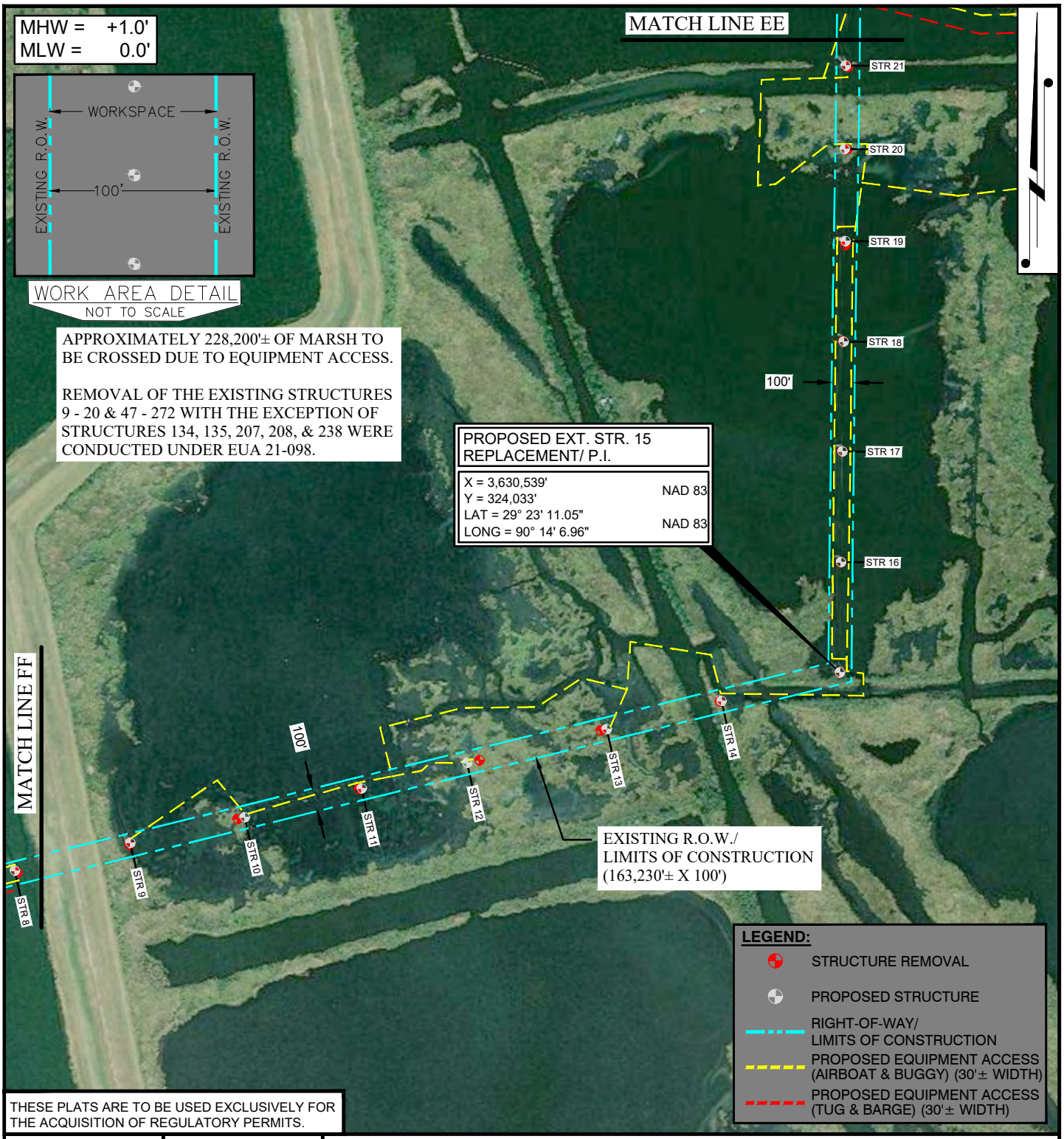
REV. NO:	04	REV. DATE:	02/10/2022	REV. BY:	SPM

REVISION DESCRIPTION:
REVISED EQUIPMENT ACCESS.

2/10/2022 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 3_REV.DWG



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DRAWN BY:	SPM	APPROVED BY:	MDT
DATE:	07/06/2021	JOB NO:	2021.0252
DRAWING NAME:	210252P- 3_REV.DWG		
SHEET NO:	34	OF	41

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

SCALE: 1" = 600'

600' 300' 0' 600'

PLAN VIEW

ENTERGY LOUISIANA, LLC

PROPOSED REMOVAL/REPLACEMENT OF EXISTING STRUCTURES ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE
LAFOURCHE & JEFFERSON PARISHES, LOUISIANA

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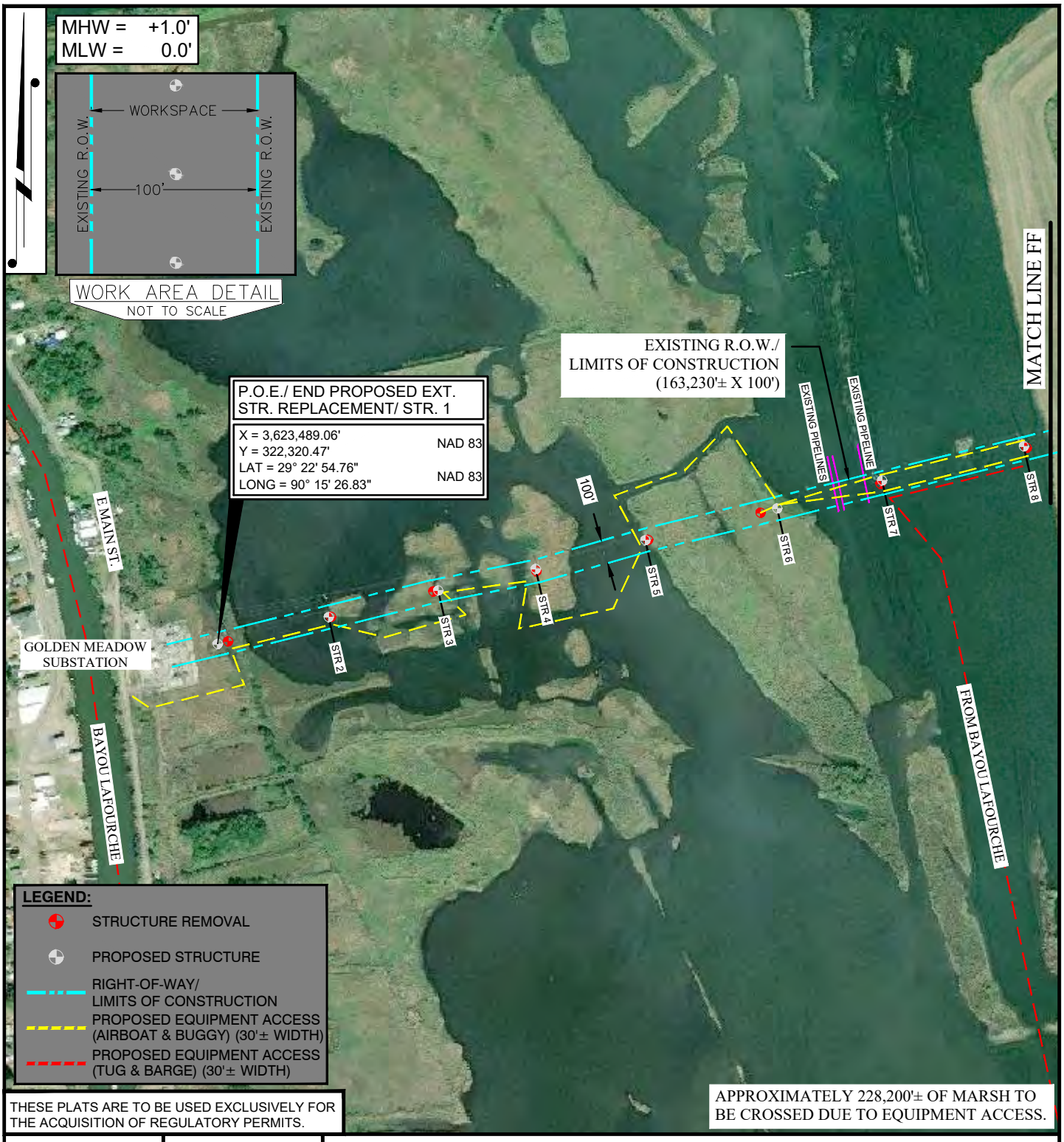
REV. NO:	REV. DATE:	REV. BY:
05	04/29/2022	SPM

REVISION DESCRIPTION:
ADDED STRUCTURES UNDER EUA.

4/29/2022 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 3_REV.DWG



THESE PLATS ARE TO BE USED EXCLUSIVELY FOR THE ACQUISITION OF REGULATORY PERMITS.

APPROXIMATELY 228,200'± OF MARSH TO BE CROSSED DUE TO EQUIPMENT ACCESS.

DRAWN BY:	SPM	APPROVED BY:	MDT
DATE:	07/06/2021	JOB NO:	2021.0252
DRAWING NAME:	210252P- 3_REV.DWG		
SHEET NO:	35	OF	41

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

SCALE: 1" = 600'

600' 300' 0' 600'

PLAN VIEW

ENTERGY LOUISIANA, LLC

PROPOSED REMOVAL/REPLACEMENT OF EXISTING STRUCTURES ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE LAFOURCHE & JEFFERSON PARISHES, LOUISIANA

T. BAKER SMITH
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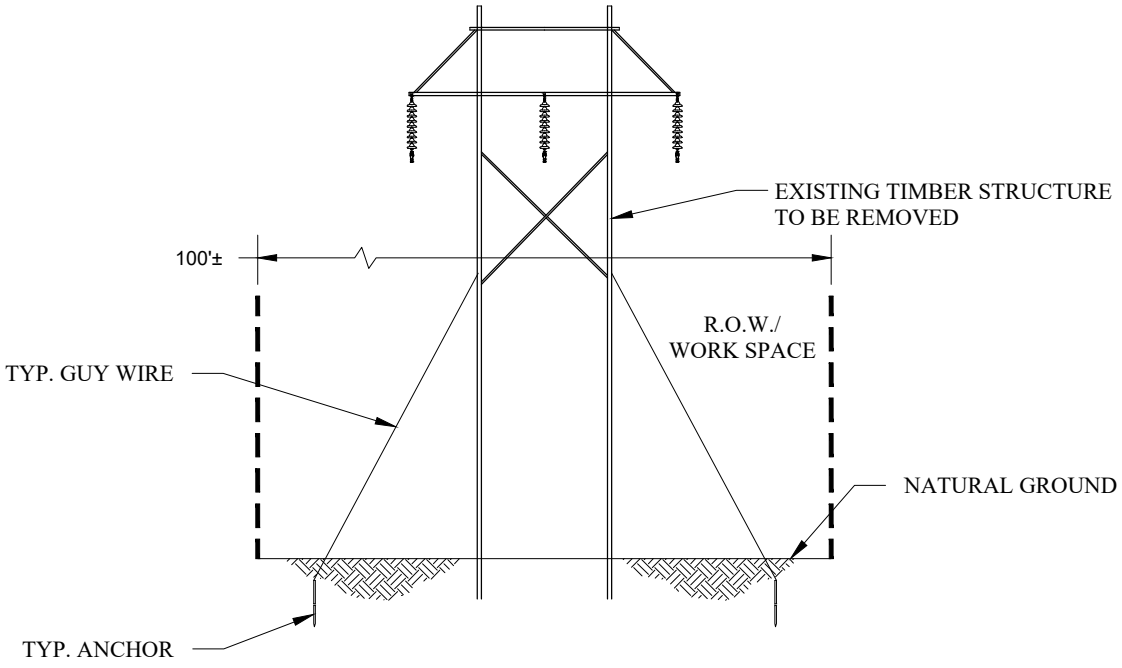
REV. NO:	03	REV. DATE:	02/10/2022	REV. BY:	SPM

REVISION DESCRIPTION:
REVISED EQUIPMENT ACCESS.

2/10/2022 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 3_REV.DWG

EXISTING TYPICAL
TIMBER STRUCTURE
(IN MARSH)



NOTE:
CONFIGURATION OF POLE IS TYPICAL.
POSITIONING AND HARDWARE MAY VARY.

REMOVAL OF THE EXISTING STRUCTURES
9 - 20 & 47 - 272 WITH THE EXCEPTION OF
STRUCTURES 134, 135, 207, 208, & 238 WERE
CONDUCTED UNDER EUA 21-098.

THESE PLATS ARE TO BE USED EXCLUSIVELY FOR THE ACQUISITION OF REGULATORY PERMITS.

DRAWN BY:	SPM	APPROVED BY:	MDT
DATE:	07/06/2021	JOB NO:	2021.0252
DRAWING NAME:		210252P- 3_REV.DWG	
SHEET NO:	36A	OF	41

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

NOT TO SCALE

DETAIL

ENTERGY LOUISIANA, LLC

PROPOSED REMOVAL/REPLACEMENT OF EXISTING STRUCTURES
ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE
LAFOURCHE & JEFFERSON PARISHES, LOUISIANA

T. BAKER SMITH
A CENTURY OF SOLUTIONS
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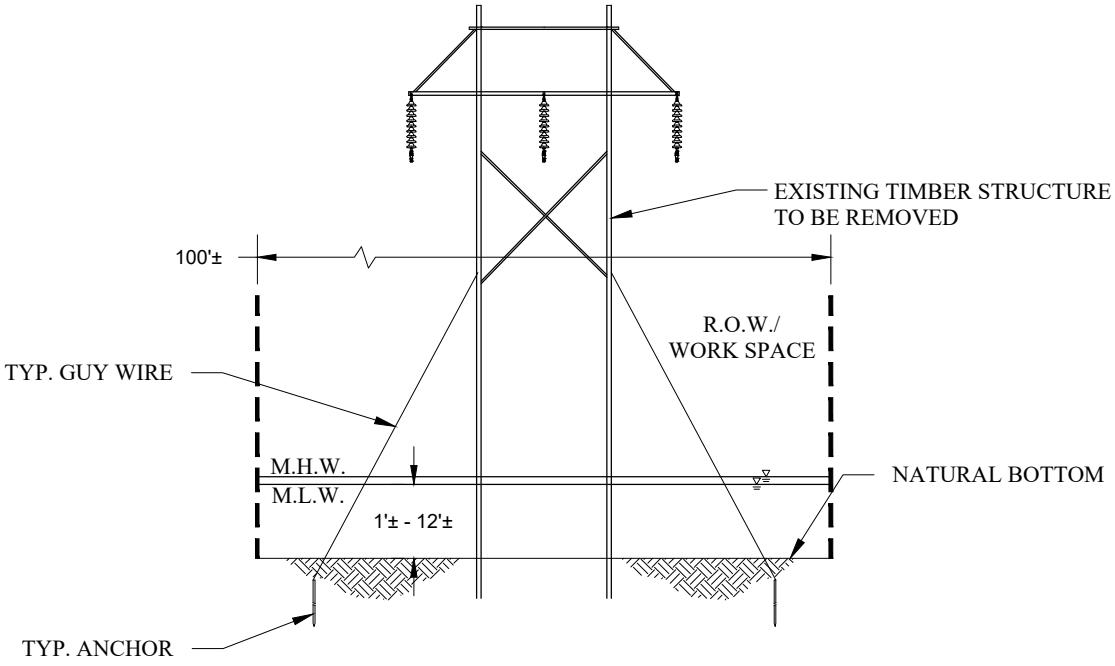
REV. NO:	02	REV. DATE: 04/29/2022	REV. BY:	SPM

REVISION DESCRIPTION:
ADDED STRUCTURES UNDER EUA.

4/28/2022 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 3_REV.DWG

MHW = +1.0'
MLW = 0.0'

EXISTING TYPICAL TIMBER STRUCTURE (IN WATER)



NOTE:
CONFIGURATION OF POLE IS TYPICAL. POSITIONING AND HARDWARE MAY VARY.

STRUCTURES IN STATE-OWNED WATERS TO BE REMOVED TO A DEPTH OF 10' BELOW THE MUDLINE IF COMPLETE REMOVAL CANNOT BE ACHIEVED.

REMOVAL OF THE EXISTING STRUCTURES 9 - 20 & 47 - 272 WITH THE EXCEPTION OF STRUCTURES 134, 135, 207, 208, & 238 WERE CONDUCTED UNDER EUA 21-098.

THESE PLATS ARE TO BE USED EXCLUSIVELY FOR THE ACQUISITION OF REGULATORY PERMITS.

DRAWN BY:	SPM	APPROVED BY:	MDT
DATE:	07/06/2021	JOB NO:	2021.0252
DRAWING NAME:	210252P- 3_REV.DWG		
SHEET NO:	36B	OF	41

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

NOT TO SCALE

DETAIL

ENTERGY LOUISIANA, LLC

PROPOSED REMOVAL/REPLACEMENT OF EXISTING STRUCTURES ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE LAFOURCHE & JEFFERSON PARISHES, LOUISIANA

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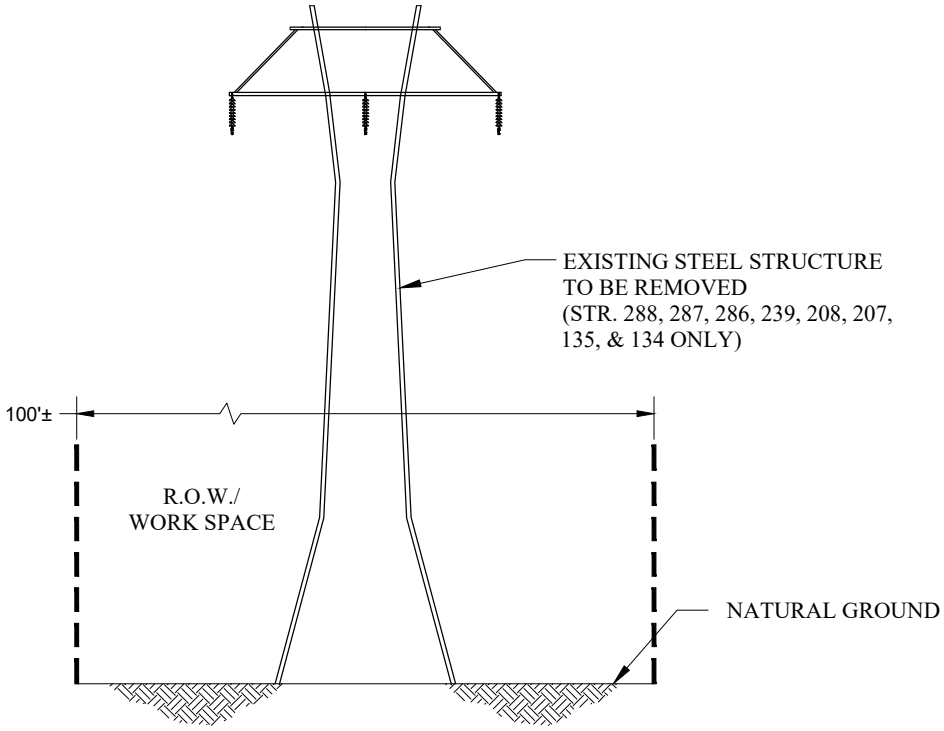
REV. NO:	03	REV. DATE: 04/29/2022	REV. BY:	SPM

REVISION DESCRIPTION:
ADDED STRUCTURES UNDER EUA.

4/29/2022 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 3_REV.DWG

EXISTING TYPICAL
STEEL STRUCTURE



NOTE:
CONFIGURATION OF POLE IS TYPICAL.
POSITIONING AND HARDWARE MAY VARY.

REMOVAL OF THE EXISTING STRUCTURES
9 - 20 & 47 - 272 WITH THE EXCEPTION OF
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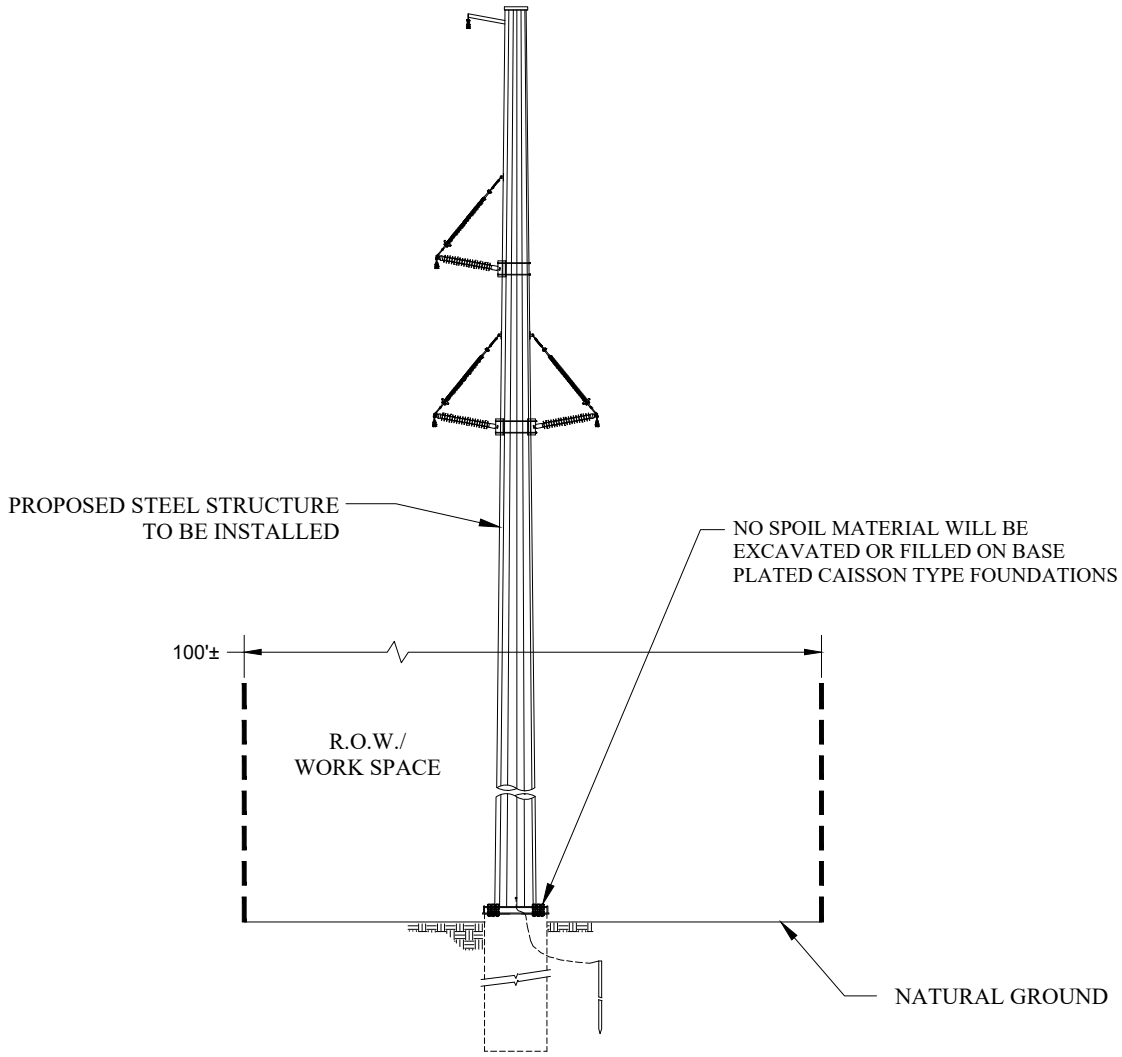
DRAWN BY: SPM	APPROVED BY: MDT	DETAIL
DATE: 07/06/2021	JOB NO: 2021.0252	ENTERGY LOUISIANA, LLC
DRAWING NAME: 210252P- 3_REV.DWG		PROPOSED REMOVAL/REPLACEMENT OF EXISTING STRUCTURES ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE LAFOURCHE & JEFFERSON PARISHES, LOUISIANA
SHEET NO: 36C OF 41		
PROJECTION: LOUISIANA SOUTH ZONE GEO. DATUM: NAD83 | VERT. DATUM: NAVD88 GRID UNITS: US SURVEY FEET		
NOT TO SCALE	T. BAKER SMITH A CENTURY OF SOLUTIONS 412 South Van Ave, Houma, LA 70363 (985)868-1666 - tbsmith.com	REV. NO: 02 | REV. DATE: 04/29/2022 | REV. BY: SPM REVISION DESCRIPTION: ADDED STRUCTURES UNDER EUA.

4/29/2022 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 3_REV.DWG

PROPOSED TYPICAL
STEEL STRUCTURE



NOTE:
CONFIGURATION OF STRUCTURE IS TYPICAL.
POSITIONING AND HARDWARE MAY VARY.

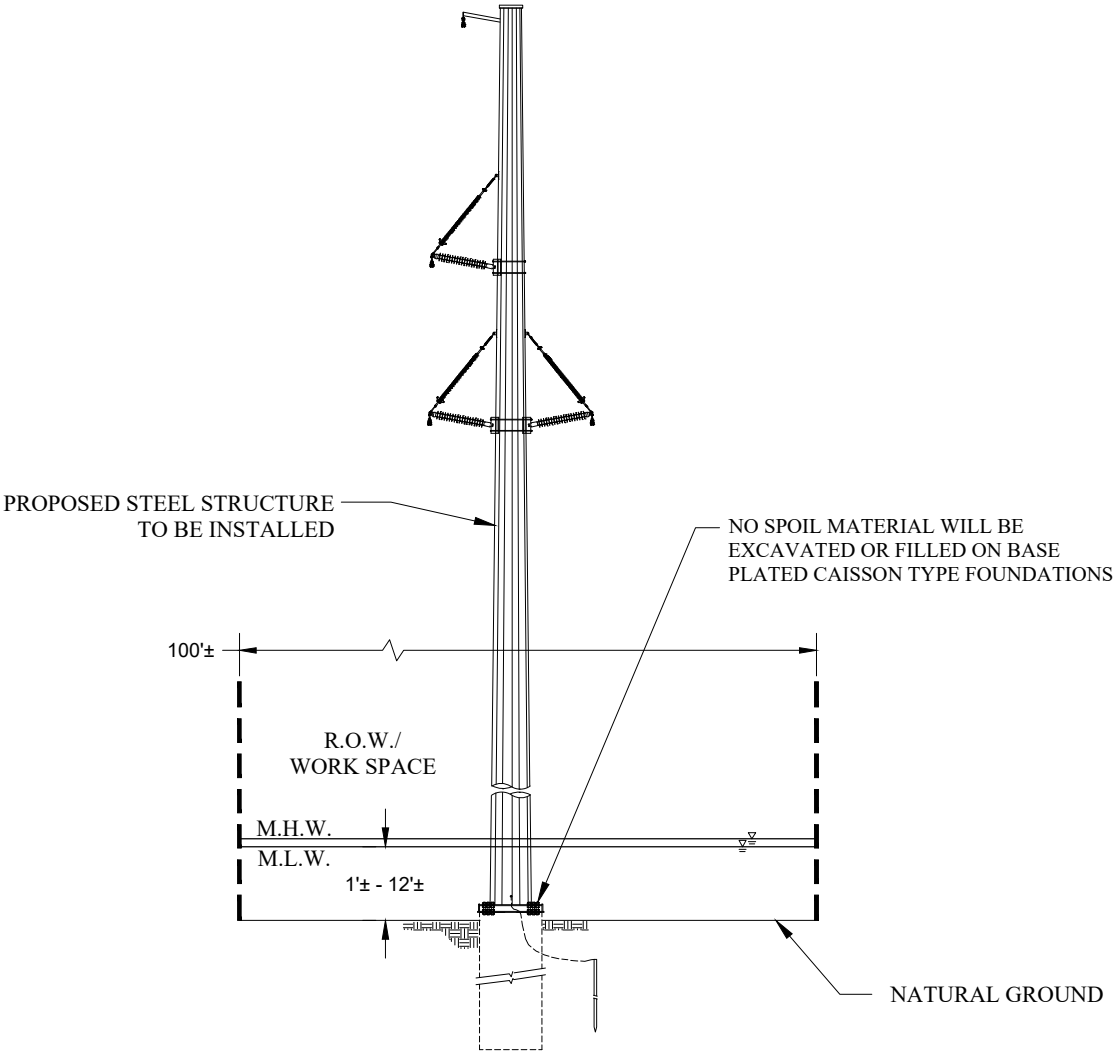
THESE PLATS ARE TO BE USED EXCLUSIVELY FOR THE ACQUISITION OF REGULATORY PERMITS.

DRAWN BY: SPM	APPROVED BY: MDT	DETAIL
DATE: 12/06/2021	JOB NO: 2021.0252	ENTERGY LOUISIANA, LLC
DRAWING NAME: 210252P- 3_REV.DWG		PROPOSED REMOVAL OF EXISTING STRUCTURES ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE LAFOURCHE & JEFFERSON PARISHES, LOUISIANA
SHEET NO: 37A OF 41		
PROJECTION: LOUISIANA SOUTH ZONE GEO. DATUM: NAD83 | VERT. DATUM: NAVD88 GRID UNITS: US SURVEY FEET		
NOT TO SCALE	T. BAKER SMITH A CENTURY OF SOLUTIONS 412 South Van Ave, Houma, LA 70363 (985)868-1666 - tbsmith.com	REV. NO: 00 | REV. DATE: --/--/-- | REV. BY: --- REVISION DESCRIPTION: --

12/7/2021 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 3_REV.DWG

MHW = +1.0'
MLW = 0.0'

PROPOSED TYPICAL STEEL STRUCTURE (IN WATER)



NOTE:
CONFIGURATION OF STRUCTURE IS TYPICAL.
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DRAWN BY:	SPM	APPROVED BY:	MDT
DATE:	02/10/2022	JOB NO:	2021.0252
DRAWING NAME:		210252P- 3_REV.DWG	
SHEET NO:	37B	OF	41

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

NOT TO SCALE

DETAIL

ENTERGY LOUISIANA, LLC

PROPOSED REMOVAL/REPLACEMENT OF EXISTING STRUCTURES ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE LAFOURCHE & JEFFERSON PARISHES, LOUISIANA

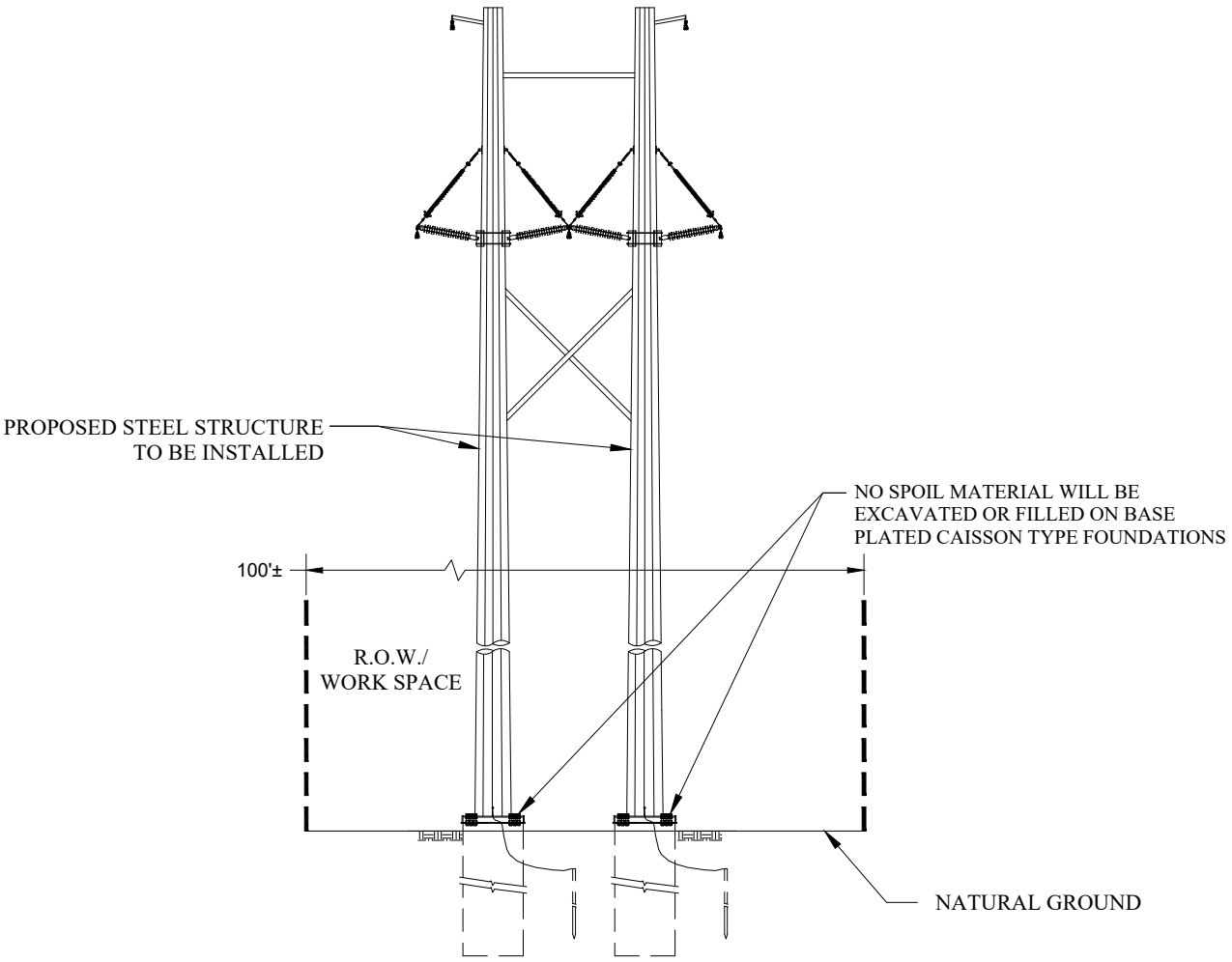
T. BAKER SMITH
A CENTURY OF SOLUTIONS
412 South Van Ave, Houma, LA 70363
(985)868-1666 - tbsmith.com

REV. NO:	00	REV. DATE:	--/--/--	REV. BY:	---

REVISION DESCRIPTION:
--

2/10/2022 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 3_REV.DWG

PROPOSED TYPICAL
STEEL H-FRAME STRUCTURE



NOTE:
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POSITIONING AND HARDWARE MAY VARY.

THESE PLATS ARE TO BE USED EXCLUSIVELY FOR THE ACQUISITION OF REGULATORY PERMITS.

DRAWN BY: SPM	APPROVED BY: MDT
DATE: 12/06/2021	JOB NO: 2021.0252
DRAWING NAME: 210252P- 3_REV.DWG	
SHEET NO: 37C OF 41	
PROJECTION: LOUISIANA SOUTH ZONE GEO. DATUM: NAD83 | VERT. DATUM: NAVD88 GRID UNITS: US SURVEY FEET	

DETAIL

ENTERGY LOUISIANA, LLC

PROPOSED REMOVAL/REPLACEMENT OF EXISTING STRUCTURES
ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE
LAFOURCHE & JEFFERSON PARISHES, LOUISIANA

NOT TO SCALE

T. BAKER SMITH
A CENTURY OF SOLUTIONS
412 South Van Ave, Houma, LA 70363
(985)868-1666 - tbsmith.com

REV. NO:	REV. DATE:	REV. BY:
00	--/--/--	---

REVISION DESCRIPTION:
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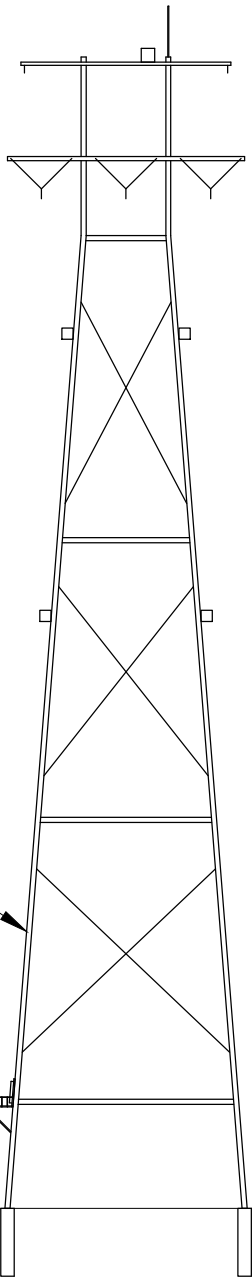
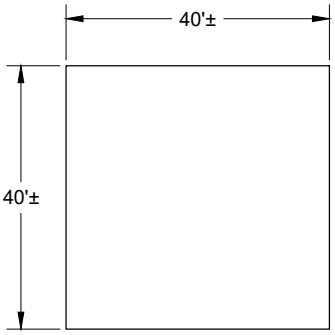
2/10/2022 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 3_REV.DWG

PROPOSED TYPICAL
STEEL PYRAMAX STRUCTURE





STRUCTURE FOOTPRINT

NOTE:
CONFIGURATION OF STRUCTURE IS TYPICAL.
POSITIONING AND HARDWARE MAY VARY.

THESE PLATS ARE TO BE USED EXCLUSIVELY FOR THE ACQUISITION OF REGULATORY PERMITS.

DRAWN BY:	SPM	APPROVED BY:	MDT
DATE:	12/06/2021	JOB NO:	2021.0252
DRAWING NAME:		210252P- 3_REV.DWG	
SHEET NO:	37D	OF	41

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

NOT TO SCALE

DETAIL

ENTERGY LOUISIANA, LLC

PROPOSED REMOVAL/REPLACEMENT OF EXISTING STRUCTURES
ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE
LAFOURCHE & JEFFERSON PARISHES, LOUISIANA

T. BAKER SMITH
A CENTURY OF SOLUTIONS
412 South Van Ave, Houma, LA 70363
(985)868-1666 - tbsmith.com

REV. NO:	REV. DATE:	REV. BY:
00	--/--/--	---

REVISION DESCRIPTION:
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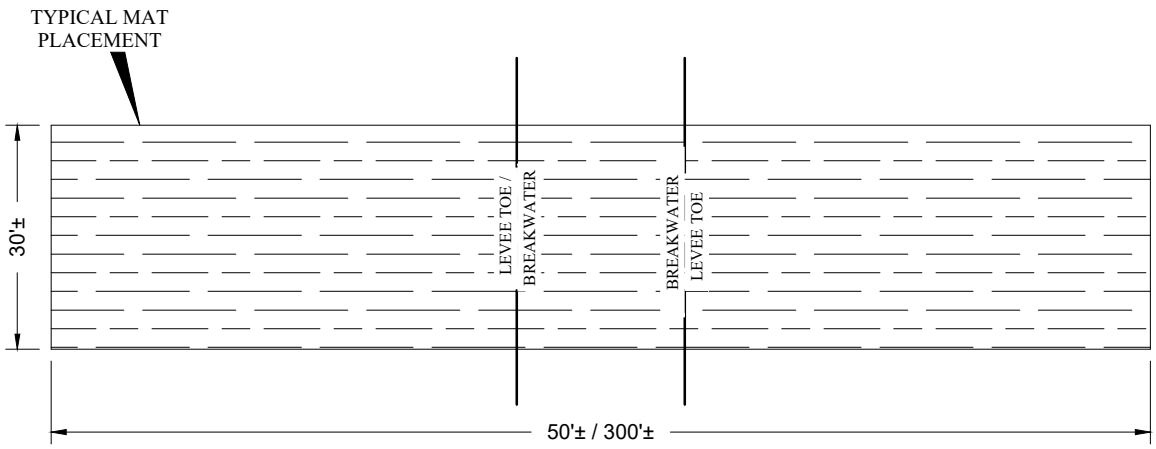
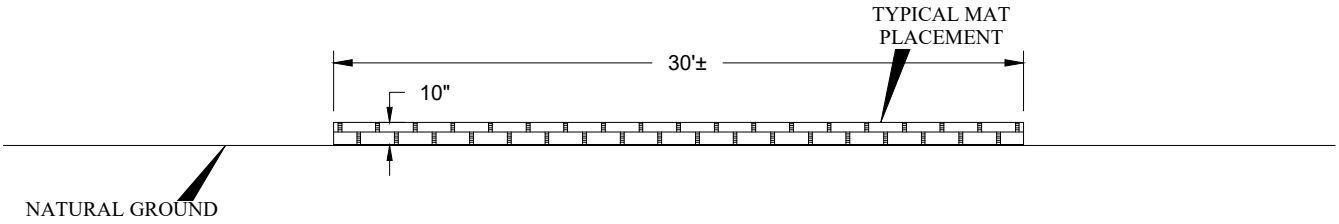
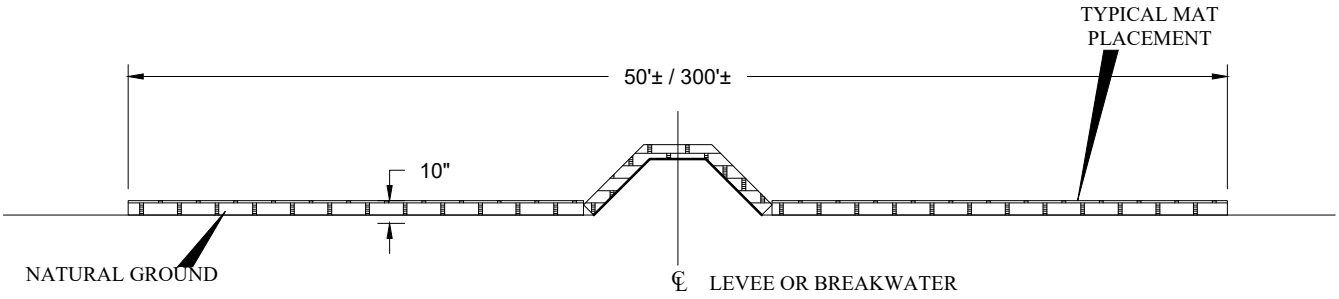
2/10/2022 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 3_REV.DWG



TOP VIEW DETAIL



TYPICAL MAT PLACEMENT DETAIL



TYPICAL MAT CROSSING DETAIL

NOTE:
MAT PLACEMENT FOR CROSSINGS ARE TEMPORARY & USED AS REQUIRED.

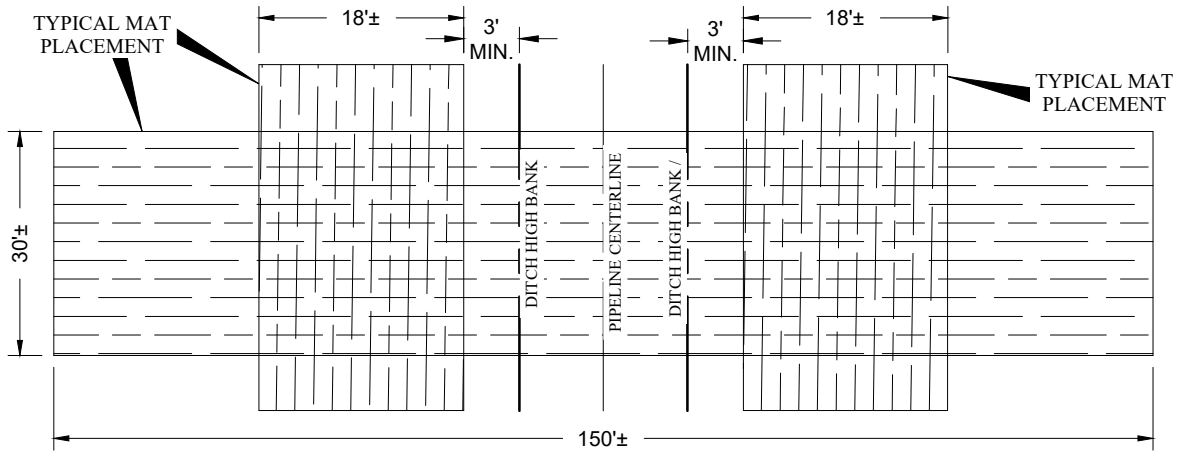
NO FILL WILL BE REQUIRED AS A RESULT OF TIMBER MAT PLACEMENT.

THESE PLATS ARE TO BE USED EXCLUSIVELY FOR THE ACQUISITION OF REGULATORY PERMITS.

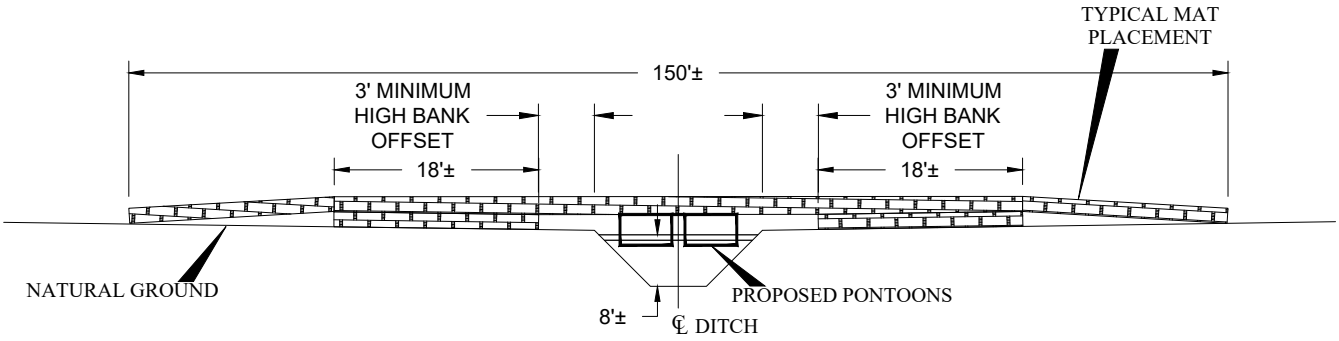
DRAWN BY: SPM	APPROVED BY: MDT	DETAIL
DATE: 07/06/2021	JOB NO: 2021.0252	ENTERGY LOUISIANA, LLC
DRAWING NAME: 210252P- 3_REV.DWG		PROPOSED REMOVAL/REPLACEMENT OF EXISTING STRUCTURES ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE LAFOURCHE & JEFFERSON PARISHES, LOUISIANA
SHEET NO: 38A OF 41		
PROJECTION: LOUISIANA SOUTH ZONE GEO. DATUM: NAD83 | VERT. DATUM: NAVD88 GRID UNITS: US SURVEY FEET		
NOT TO SCALE	T. BAKER SMITH A CENTURY OF SOLUTIONS 412 South Van Ave, Houma, LA 70363 (985)868-1666 - tbsmith.com	REV. NO: 03 | REV. DATE: 02/10/2022 | REV. BY: SPM REVISION DESCRIPTION: ADDED FILL NOTE.

2/10/2022 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 3_REV.DWG

MHW = +1.0'
MLW = 0.0'



TOP VIEW DETAIL



TYPICAL PONTOON CROSSING DETAIL

NOTE:
MAT PLACEMENT FOR CROSSINGS ARE TEMPORARY & USED AS REQUIRED.

NO FILL WILL BE REQUIRED AS A RESULT OF TIMBER MAT PLACEMENT.

THESE PLATS ARE TO BE USED EXCLUSIVELY FOR THE ACQUISITION OF REGULATORY PERMITS.

DRAWN BY: SPM	APPROVED BY: MDT	DETAIL
DATE: 07/06/2021	JOB NO: 2021.0252	ENTERGY LOUISIANA, LLC
DRAWING NAME: 210252P- 3_REV.DWG		PROPOSED REMOVAL/REPLACEMENT OF EXISTING STRUCTURES ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE LAFOURCHE & JEFFERSON PARISHES, LOUISIANA
SHEET NO: 38B OF 41		
PROJECTION: LOUISIANA SOUTH ZONE GEO. DATUM: NAD83 | VERT. DATUM: NAVD88 GRID UNITS: US SURVEY FEET		
NOT TO SCALE	T. BAKER SMITH A CENTURY OF SOLUTIONS 412 South Van Ave, Houma, LA 70363 (985)868-1666 - tbsmith.com	REV. NO: 03 | REV. DATE: 02/10/2022 | REV. BY: SPM REVISION DESCRIPTION: ADDED FILL NOTE & WATER DEPTH.

2/10/2022 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 3_REV.DWG

STR. NO.	COORDINATES (NAD 83)		COORDINATES	
	X	Y	LATITUDE	LONGITUDE
315	3,662,752.59	460,305.58	29° 45' 36.83"	90° 07' 46.66"
314	3,662,649.64	460,454.00	29° 45' 38.31"	90° 07' 47.81"
313	3,662,418.07	460,786.41	29° 45' 41.63"	90° 07' 50.40"
312	3,662,157.02	461,159.51	29° 45' 45.35"	90° 07' 53.32"
311	3,661,889.03	461,538.43	29° 45' 49.13"	90° 07' 56.32"
310	3,661,638.93	461,898.09	29° 45' 52.71"	90° 07' 59.11"
309	3,661,377.09	462,263.58	29° 45' 56.36"	90° 08' 02.04"
308	3,661,118.72	462,626.39	29° 45' 59.98"	90° 08' 04.93"
307	3,660,863.52	462,879.74	29° 46' 02.51"	90° 08' 07.79"
306	3,660,670.27	462,422.95	29° 45' 58.01"	90° 08' 10.04"
305	3,660,463.59	461,940.10	29° 45' 53.25"	90° 08' 12.44"
304	3,660,259.89	461,454.35	29° 45' 48.46"	90° 08' 14.81"
303	3,660,051.44	460,971.11	29° 45' 43.70"	90° 08' 17.23"
302	3,659,831.39	460,458.44	29° 45' 38.65"	90° 08' 19.79"
301	3,659,640.25	460,003.54	29° 45' 34.17"	90° 08' 22.01"
300	3,659,436.32	459,518.42	29° 45' 29.38"	90° 08' 24.38"
299	3,659,226.17	459,026.23	29° 45' 24.53"	90° 08' 26.82"
298	3,659,021.29	458,541.70	29° 45' 19.76"	90° 08' 29.21"
297	3,658,817.54	458,062.13	29° 45' 15.03"	90° 08' 31.57"
296	3,658,608.82	457,572.36	29° 45' 10.21"	90° 08' 34.00"
295	3,658,404.35	457,090.04	29° 45' 05.45"	90° 08' 36.38"
294	3,658,582.67	456,625.22	29° 45' 00.83"	90° 08' 34.41"
293	3,658,758.34	456,172.97	29° 44' 56.34"	90° 08' 32.47"
292	3,658,936.06	455,719.39	29° 44' 51.83"	90° 08' 30.51"
291	3,659,112.73	455,266.04	29° 44' 47.32"	90° 08' 28.56"
290	3,659,289.41	454,812.03	29° 44' 42.81"	90° 08' 26.60"
289	3,659,464.67	454,358.42	29° 44' 38.30"	90° 08' 24.67"
288	3,659,141.01	453,979.18	29° 44' 34.58"	90° 08' 28.39"
287	3,658,718.53	453,484.40	29° 44' 29.73"	90° 08' 33.24"
286	3,658,047.91	452,701.30	29° 44' 22.04"	90° 08' 40.94"
285	3,657,484.20	452,041.05	29° 44' 15.57"	90° 08' 47.41"
284	3,657,217.28	451,727.63	29° 44' 12.49"	90° 08' 50.47"
283	3,656,979.36	451,447.91	29° 44' 09.75"	90° 08' 53.20"
282	3,656,605.44	451,009.88	29° 44' 05.45"	90° 08' 57.50"
281	3,656,283.84	450,640.16	29° 44' 01.82"	90° 09' 01.19"
280	3,655,971.25	450,270.44	29° 43' 58.19"	90° 09' 04.78"
279	3,655,638.97	449,894.85	29° 43' 54.51"	90° 09' 08.59"
278	3,655,358.00	449,511.70	29° 43' 50.74"	90° 09' 11.82"
277	3,655,074.79	449,135.78	29° 43' 47.05"	90° 09' 15.08"
276	3,654,786.15	448,754.20	29° 43' 43.30"	90° 09' 18.39"
275	3,654,499.30	448,375.81	29° 43' 39.59"	90° 09' 21.69"
274	3,654,213.85	447,992.82	29° 43' 35.83"	90° 09' 24.97"
273	3,653,929.30	447,616.26	29° 43' 32.13"	90° 09' 28.25"
272	3,653,642.22	447,236.98	29° 43' 28.40"	90° 09' 31.55"
271	3,653,402.51	446,916.99	29° 43' 25.26"	90° 09' 34.30"
270	3,653,205.40	446,654.82	29° 43' 22.68"	90° 09' 36.57"
269	3,652,899.96	446,248.87	29° 43' 18.70"	90° 09' 40.08"
268	3,652,593.97	445,844.77	29° 43' 14.73"	90° 09' 43.60"
267	3,652,287.35	445,437.90	29° 43' 10.73"	90° 09' 47.12"
266	3,651,983.54	445,035.72	29° 43' 06.78"	90° 09' 50.61"
265	3,651,676.07	444,628.81	29° 43' 02.78"	90° 09' 54.15"
264	3,651,375.98	444,229.70	29° 42' 58.86"	90° 09' 57.59"
263	3,651,065.94	443,819.94	29° 42' 54.84"	90° 10' 01.16"

STR. NO.	COORDINATES (NAD 83)		COORDINATES	
	X	Y	LATITUDE	LONGITUDE
262	3,650,763.79	443,417.25	29° 42' 50.88"	90° 10' 04.63"
261	3,650,456.90	443,013.20	29° 42' 46.91"	90° 10' 08.16"
260	3,650,151.24	442,606.80	29° 42' 42.92"	90° 10' 11.67"
259	3,649,848.01	442,204.47	29° 42' 38.97"	90° 10' 15.16"
258	3,649,542.12	441,796.96	29° 42' 34.96"	90° 10' 18.67"
257	3,649,237.28	441,392.02	29° 42' 30.99"	90° 10' 22.17"
256	3,648,930.88	440,987.41	29° 42' 27.01"	90° 10' 25.70"
255	3,648,626.89	440,582.01	29° 42' 23.03"	90° 10' 29.19"
254	3,648,321.06	440,176.11	29° 42' 19.04"	90° 10' 32.70"
253	3,648,014.80	439,770.94	29° 42' 15.06"	90° 10' 36.22"
252	3,647,708.55	439,365.90	29° 42' 11.08"	90° 10' 39.74"
251	3,647,404.17	438,961.96	29° 42' 07.11"	90° 10' 43.24"
250	3,647,033.20	438,473.90	29° 42' 02.32"	90° 10' 47.50"
249	3,646,790.09	438,149.55	29° 41' 59.13"	90° 10' 50.29"
248	3,646,485.10	437,743.37	29° 41' 55.14"	90° 10' 53.80"
247	3,646,180.73	437,342.65	29° 41' 51.21"	90° 10' 57.30"
246	3,645,873.78	436,932.53	29° 41' 47.18"	90° 11' 00.82"
245	3,645,569.03	436,528.36	29° 41' 43.21"	90° 11' 04.32"
244	3,645,262.70	436,121.17	29° 41' 39.21"	90° 11' 07.84"
243	3,644,957.00	435,715.08	29° 41' 35.22"	90° 11' 11.36"
242	3,644,651.83	435,310.98	29° 41' 31.25"	90° 11' 14.86"
241	3,644,341.87	434,904.92	29° 41' 27.26"	90° 11' 18.42"
240	3,644,037.58	434,500.34	29° 41' 23.28"	90° 11' 21.92"
239	3,643,675.30	434,022.51	29° 41' 18.59"	90° 11' 26.08"
238	3,642,778.06	432,838.02	29° 41' 06.95"	90° 11' 36.38"
237	3,642,435.35	432,376.72	29° 41' 02.42"	90° 11' 40.32"
236	3,642,124.83	431,970.74	29° 40' 58.43"	90° 11' 43.89"
235	3,641,812.70	431,569.75	29° 40' 54.49"	90° 11' 47.47"
234	3,641,508.03	431,161.25	29° 40' 50.48"	90° 11' 50.97"
233	3,641,201.28	430,754.71	29° 40' 46.48"	90° 11' 54.49"
232	3,640,894.03	430,349.56	29° 40' 42.50"	90° 11' 58.02"
231	3,640,585.20	429,943.92	29° 40' 38.52"	90° 12' 01.57"
230	3,640,284.50	429,534.45	29° 40' 34.49"	90° 12' 05.02"
229	3,639,960.15	429,150.77	29° 40' 30.73"	90° 12' 08.74"
228	3,639,644.53	428,775.67	29° 40' 27.04"	90° 12' 12.36"
227	3,639,321.02	428,393.00	29° 40' 23.29"	90° 12' 16.07"
226	3,639,000.21	428,007.61	29° 40' 19.50"	90° 12' 19.75"
225	3,638,679.18	427,623.84	29° 40' 15.74"	90° 12' 23.43"
224	3,638,358.50	427,238.92	29° 40' 11.96"	90° 12' 27.11"
223	3,638,037.32	426,850.73	29° 40' 08.15"	90° 12' 30.80"
222	3,637,721.29	426,462.60	29° 40' 04.33"	90° 12' 34.42"
221	3,637,316.61	426,149.43	29° 40' 01.27"	90° 12' 39.04"
220	3,636,915.50	425,831.19	29° 39' 58.16"	90° 12' 43.63"
219	3,636,517.57	425,512.56	29° 39' 55.05"	90° 12' 48.17"
218	3,636,112.47	425,199.14	29° 39' 51.98"	90° 12' 52.80"
217	3,635,713.97	424,888.42	29° 39' 48.95"	90° 12' 57.35"
216	3,635,304.38	424,558.90	29° 39' 45.72"	90° 13' 02.03"
215	3,634,918.50	424,239.70	29° 39' 42.60"	90° 13' 06.44"
214	3,634,501.40	423,916.80	29° 39' 39.44"	90° 13' 11.20"
213	3,633,993.51	423,795.77	29° 39' 38.29"	90° 13' 16.97"
212	3,633,480.49	423,673.09	29° 39' 37.13"	90° 13' 22.80"
211	3,632,967.04	423,559.65	29° 39' 36.06"	90° 13' 28.63"
210	3,632,458.06	423,431.19	29° 39' 34.83"	90° 13' 34.41"

THESE PLATS ARE TO BE USED EXCLUSIVELY FOR THE ACQUISITION OF REGULATORY PERMITS.

DRAWN BY: SPM	APPROVED BY: MDT
DATE: 07/06/2021	JOB NO: 2021.0252
DRAWING NAME: 210252P- 3_REV.DWG	
SHEET NO: 39A OF 41	
PROJECTION: LOUISIANA SOUTH ZONE GEO. DATUM: NAD83 | VERT. DATUM: NAVD88 GRID UNITS: US SURVEY FEET	
NOT TO SCALE	

REMOVED STR COORDINATES

ENTERGY LOUISIANA, LLC

PROPOSED REMOVAL OF EXISTING STRUCTURES
ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE
LAFOURCHE & JEFFERSON PARISHES, LOUISIANA

T. BAKER SMITH
A CENTURY OF SOLUTIONS
412 South Van Ave, Houma, LA 70363
(985)868-1868 - tbsmith.com

REV. NO: 01	REV. DATE: 12/06/2021	REV. BY: SPM

REVISION DESCRIPTION:
ADDED REPLACEMENT STRUCTURES.

12/3/2021 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 3_REV.DWG

STR. NO.	COORDINATES (NAD 83)		COORDINATES	
	X	Y	LATITUDE	LONGITUDE
209	3,631,934.63	423,303.60	29° 39' 33.62"	90° 13' 40.36"
208	3,631,924.81	422,524.86	29° 39' 25.91"	90° 13' 40.56"
207	3,631,916.46	421,906.43	29° 39' 19.79"	90° 13' 40.72"
206	3,631,904.77	421,224.70	29° 39' 13.04"	90° 13' 40.92"
205	3,631,899.07	420,721.70	29° 39' 08.06"	90° 13' 41.04"
204	3,631,888.31	420,216.71	29° 39' 03.07"	90° 13' 41.22"
203	3,631,883.60	419,714.35	29° 38' 58.09"	90° 13' 41.33"
202	3,631,875.70	419,210.30	29° 38' 53.10"	90° 13' 41.47"
201	3,631,867.44	418,706.68	29° 38' 48.12"	90° 13' 41.62"
200	3,631,861.20	418,203.86	29° 38' 43.14"	90° 13' 41.75"
199	3,631,852.58	417,693.79	29° 38' 38.09"	90° 13' 41.90"
198	3,631,846.64	417,206.88	29° 38' 33.28"	90° 13' 42.02"
197	3,631,841.62	416,719.77	29° 38' 28.45"	90° 13' 42.13"
196	3,631,833.65	416,230.64	29° 38' 23.61"	90° 13' 42.28"
195	3,631,828.80	415,742.84	29° 38' 18.78"	90° 13' 42.38"
194	3,631,820.20	415,253.85	29° 38' 13.94"	90° 13' 42.54"
193	3,631,813.08	414,766.03	29° 38' 09.12"	90° 13' 42.67"
192	3,631,805.34	414,276.82	29° 38' 04.27"	90° 13' 42.81"
191	3,631,800.04	413,787.94	29° 37' 59.43"	90° 13' 42.92"
190	3,631,790.86	413,298.20	29° 37' 54.59"	90° 13' 43.08"
189	3,631,785.62	412,810.43	29° 37' 49.76"	90° 13' 43.19"
188	3,631,773.02	412,320.56	29° 37' 44.91"	90° 13' 43.39"
187	3,631,771.14	411,830.64	29° 37' 40.06"	90° 13' 43.47"
186	3,631,763.26	411,325.46	29° 37' 35.06"	90° 13' 43.61"
185-1	3,631,760.01	411,058.84	29° 37' 32.42"	90° 13' 43.68"
185	3,631,756.13	410,800.72	29° 37' 29.87"	90° 13' 43.75"
184	3,631,748.62	410,264.73	29° 37' 24.56"	90° 13' 43.89"
183	3,631,740.86	409,733.56	29° 37' 19.31"	90° 13' 44.04"
182	3,631,731.24	409,198.67	29° 37' 14.01"	90° 13' 44.20"
181	3,631,726.54	408,666.90	29° 37' 08.75"	90° 13' 44.32"
180	3,631,719.33	408,138.50	29° 37' 03.52"	90° 13' 44.46"
179	3,631,710.21	407,600.42	29° 36' 58.19"	90° 13' 44.62"
178	3,631,702.79	407,070.17	29° 36' 52.94"	90° 13' 44.76"
177	3,631,697.08	406,537.34	29° 36' 47.67"	90° 13' 44.88"
176	3,631,689.50	406,032.60	29° 36' 42.67"	90° 13' 45.02"
175	3,631,681.45	405,524.65	29° 36' 37.65"	90° 13' 45.17"
174	3,631,675.62	405,017.16	29° 36' 32.62"	90° 13' 45.29"
173	3,631,667.38	404,511.37	29° 36' 27.62"	90° 13' 45.44"
172	3,631,660.58	404,002.83	29° 36' 22.58"	90° 13' 45.57"
171	3,631,653.14	403,494.16	29° 36' 17.55"	90° 13' 45.71"
170	3,631,646.04	402,987.76	29° 36' 12.54"	90° 13' 45.85"
169	3,631,638.17	402,480.66	29° 36' 07.52"	90° 13' 45.99"
168	3,631,632.32	401,973.90	29° 36' 02.50"	90° 13' 46.11"
167	3,631,618.06	401,466.25	29° 35' 57.48"	90° 13' 46.33"
166	3,631,618.86	400,957.74	29° 35' 52.44"	90° 13' 46.38"
165	3,631,610.45	400,451.96	29° 35' 47.44"	90° 13' 46.53"
164	3,631,600.82	399,940.78	29° 35' 42.38"	90° 13' 46.69"
163	3,631,595.61	399,436.82	29° 35' 37.39"	90° 13' 46.81"
162	3,631,589.38	398,929.37	29° 35' 32.37"	90° 13' 46.93"
161	3,631,583.31	398,423.15	29° 35' 27.36"	90° 13' 47.06"
160	3,631,574.70	397,914.24	29° 35' 22.32"	90° 13' 47.21"
159	3,631,567.43	397,405.80	29° 35' 17.29"	90° 13' 47.35"
158	3,631,567.10	396,897.78	29° 35' 12.26"	90° 13' 47.41"

STR. NO.	COORDINATES (NAD 83)		COORDINATES	
	X	Y	LATITUDE	LONGITUDE
157	3,631,549.94	396,390.96	29° 35' 07.24"	90° 13' 47.66"
156	3,631,548.40	395,881.85	29° 35' 02.20"	90° 13' 47.73"
155	3,631,539.95	395,372.67	29° 34' 57.16"	90° 13' 47.88"
154	3,631,535.34	394,868.70	29° 34' 52.17"	90° 13' 47.99"
153	3,631,525.06	394,353.11	29° 34' 47.07"	90° 13' 48.16"
152	3,631,519.45	393,847.64	29° 34' 42.07"	90° 13' 48.28"
151	3,631,511.93	393,340.46	29° 34' 37.05"	90° 13' 48.42"
150	3,631,505.52	392,832.45	29° 34' 32.02"	90° 13' 48.55"
149	3,631,497.14	392,320.65	29° 34' 26.95"	90° 13' 48.70"
148	3,631,488.53	391,816.09	29° 34' 21.96"	90° 13' 48.85"
147	3,631,482.49	391,309.45	29° 34' 16.95"	90° 13' 48.97"
146	3,631,475.53	390,800.92	29° 34' 11.91"	90° 13' 49.11"
145	3,631,465.62	390,301.04	29° 34' 06.96"	90° 13' 49.27"
144	3,631,461.46	389,925.43	29° 34' 03.25"	90° 13' 49.36"
143-1	3,631,452.49	389,536.22	29° 33' 59.40"	90° 13' 49.51"
143	3,631,448.81	389,035.11	29° 33' 54.43"	90° 13' 49.60"
142	3,631,442.07	388,508.57	29° 33' 49.22"	90° 13' 49.74"
141	3,631,436.39	388,046.08	29° 33' 44.65"	90° 13' 49.85"
140	3,631,432.91	387,747.75	29° 33' 41.69"	90° 13' 49.92"
139	3,631,424.47	387,239.32	29° 33' 36.66"	90° 13' 50.07"
138	3,631,416.96	386,730.06	29° 33' 31.62"	90° 13' 50.22"
137	3,631,410.92	386,220.82	29° 33' 26.58"	90° 13' 50.34"
136	3,631,405.57	385,710.97	29° 33' 21.53"	90° 13' 50.46"
135	3,631,396.05	385,163.62	29° 33' 16.12"	90° 13' 50.62"
134	3,631,391.45	384,821.13	29° 33' 12.73"	90° 13' 50.71"
133	3,631,383.41	384,269.55	29° 33' 07.27"	90° 13' 50.86"
132	3,631,376.27	383,763.26	29° 33' 02.25"	90° 13' 51.00"
131	3,631,368.75	383,258.28	29° 32' 57.26"	90° 13' 51.14"
130	3,631,366.52	382,750.77	29° 32' 52.23"	90° 13' 51.22"
129	3,631,356.57	382,247.06	29° 32' 47.25"	90° 13' 51.39"
128	3,631,349.32	381,741.34	29° 32' 42.24"	90° 13' 51.52"
127	3,631,340.48	381,228.53	29° 32' 37.17"	90° 13' 51.68"
126	3,631,336.19	380,728.57	29° 32' 32.22"	90° 13' 51.78"
125	3,631,328.52	380,221.48	29° 32' 27.20"	90° 13' 51.93"
124	3,631,322.04	379,715.75	29° 32' 22.19"	90° 13' 52.05"
123	3,631,313.78	379,198.96	29° 32' 17.08"	90° 13' 52.20"
122	3,631,307.35	378,703.34	29° 32' 12.17"	90° 13' 52.33"
121	3,631,300.58	378,198.59	29° 32' 07.18"	90° 13' 52.46"
120	3,631,294.01	377,772.16	29° 32' 02.95"	90° 13' 52.58"
119	3,631,288.10	377,344.47	29° 31' 58.72"	90° 13' 52.70"
118	3,631,278.73	376,769.44	29° 31' 53.03"	90° 13' 52.86"
117	3,631,270.71	376,301.22	29° 31' 48.40"	90° 13' 53.01"
116	3,631,263.61	375,786.54	29° 31' 43.30"	90° 13' 53.14"
115	3,631,254.35	375,284.17	29° 31' 38.33"	90° 13' 53.30"
114	3,631,247.45	374,776.04	29° 31' 33.30"	90° 13' 53.44"
113	3,631,244.60	374,287.51	29° 31' 28.46"	90° 13' 53.52"
112	3,631,236.22	373,774.91	29° 31' 23.39"	90° 13' 53.67"
111	3,631,231.39	373,288.67	29° 31' 18.58"	90° 13' 53.78"
110	3,631,215.56	372,708.40	29° 31' 12.84"	90° 13' 54.02"
109	3,631,215.37	372,224.12	29° 31' 08.04"	90° 13' 54.08"
108	3,631,208.31	371,730.92	29° 31' 03.16"	90° 13' 54.21"
107	3,631,202.79	371,219.67	29° 30' 58.10"	90° 13' 54.33"
106	3,631,192.36	370,714.54	29° 30' 53.10"	90° 13' 54.50"

THESE PLATS ARE TO BE USED EXCLUSIVELY FOR THE ACQUISITION OF REGULATORY PERMITS.

DRAWN BY:	SPM	APPROVED BY:	MDT
DATE:	07/06/2021	JOB NO:	2021.0252
DRAWING NAME:		210252P- 3_REV.DWG	
SHEET NO:	39B	OF	41

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

NOT TO SCALE

REMOVED STR COORDINATES

ENTERGY LOUISIANA, LLC

PROPOSED REMOVAL OF EXISTING STRUCTURES
ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE
LAFOURCHE & JEFFERSON PARISHES, LOUISIANA

T. BAKER SMITH
A CENTURY OF SOLUTIONS
412 South Van Avenue, Houma, LA 70363
(985)868-1868 - tbsmith.com

REV. NO:	01	REV. DATE: 12/06/2021	REV. BY:	SPM

REVISION DESCRIPTION:
ADDED REPLACEMENT STRUCTURES.

12/3/2021 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 3_REV.DWG

STR. NO.	COORDINATES (NAD 83)		COORDINATES	
	X	Y	LATITUDE	LONGITUDE
105	3,631,188.15	370,198.10	29° 30' 47.99"	90° 13' 54.61"
104	3,631,177.25	369,703.97	29° 30' 43.10"	90° 13' 54.78"
103	3,631,165.40	369,082.91	29° 30' 36.95"	90° 13' 54.98"
102	3,631,317.09	368,587.02	29° 30' 32.03"	90° 13' 53.32"
101	3,631,471.79	368,093.82	29° 30' 27.13"	90° 13' 51.62"
100	3,631,624.12	367,604.01	29° 30' 22.27"	90° 13' 49.95"
99	3,631,768.70	367,114.00	29° 30' 17.40"	90° 13' 48.37"
98	3,631,920.92	366,623.92	29° 30' 12.54"	90° 13' 46.70"
97	3,632,069.04	366,133.07	29° 30' 07.66"	90° 13' 45.08"
96	3,632,222.01	365,646.67	29° 30' 02.83"	90° 13' 43.40"
95	3,632,370.21	365,156.57	29° 29' 57.97"	90° 13' 41.78"
94	3,632,529.09	364,630.47	29° 29' 52.74"	90° 13' 40.04"
93	3,632,691.09	364,102.99	29° 29' 47.51"	90° 13' 38.26"
92	3,632,852.90	363,576.92	29° 29' 42.28"	90° 13' 36.49"
91	3,632,889.12	363,012.26	29° 29' 36.69"	90° 13' 36.14"
90	3,632,897.20	362,561.11	29° 29' 32.22"	90° 13' 36.10"
89	3,632,893.35	361,977.28	29° 29' 26.45"	90° 13' 36.21"
88	3,632,828.80	361,434.77	29° 29' 21.08"	90° 13' 36.99"
87	3,632,767.76	360,929.63	29° 29' 16.09"	90° 13' 37.74"
86	3,632,701.50	360,390.56	29° 29' 10.76"	90° 13' 38.55"
85	3,632,640.61	359,876.15	29° 29' 05.67"	90° 13' 39.29"
84	3,632,572.83	359,353.03	29° 29' 00.50"	90° 13' 40.12"
83	3,632,509.06	358,826.73	29° 28' 55.29"	90° 13' 40.90"
82	3,632,443.81	358,302.81	29° 28' 50.11"	90° 13' 41.69"
81	3,632,375.53	357,744.17	29° 28' 44.59"	90° 13' 42.53"
80	3,632,317.63	357,252.71	29° 28' 39.73"	90° 13' 43.23"
79	3,632,252.64	356,726.99	29° 28' 34.53"	90° 13' 44.03"
78	3,632,165.77	356,131.47	29° 28' 28.65"	90° 13' 45.08"
77	3,632,096.91	355,536.77	29° 28' 22.77"	90° 13' 45.92"
76	3,632,034.02	354,940.71	29° 28' 16.87"	90° 13' 46.70"
75	3,631,976.08	354,448.81	29° 28' 12.01"	90° 13' 47.40"
74	3,631,913.30	353,956.33	29° 28' 07.14"	90° 13' 48.17"
73	3,631,855.16	353,465.84	29° 28' 02.29"	90° 13' 48.88"
72	3,631,791.75	352,971.54	29° 27' 57.40"	90° 13' 49.65"
71	3,631,731.50	352,482.05	29° 27' 52.56"	90° 13' 50.39"
70	3,631,676.07	351,997.99	29° 27' 47.77"	90° 13' 51.07"
69	3,631,615.71	351,500.81	29° 27' 42.86"	90° 13' 51.80"
68	3,631,523.96	350,740.11	29° 27' 35.34"	90° 13' 52.92"
67	3,631,494.64	350,498.16	29° 27' 32.94"	90° 13' 53.28"
66	3,631,434.85	350,021.15	29° 27' 28.23"	90° 13' 54.01"
65	3,631,372.91	349,536.80	29° 27' 23.44"	90° 13' 54.76"
64	3,631,316.48	349,067.07	29° 27' 18.79"	90° 13' 55.45"
63	3,631,250.91	348,555.10	29° 27' 13.73"	90° 13' 56.25"
62	3,631,196.63	348,064.55	29° 27' 08.88"	90° 13' 56.92"
61	3,631,137.09	347,574.06	29° 27' 04.03"	90° 13' 57.64"
60	3,631,074.90	347,065.34	29° 26' 59.00"	90° 13' 58.40"
59	3,631,016.13	346,591.33	29° 26' 54.32"	90° 13' 59.12"
58	3,630,954.30	346,097.48	29° 26' 49.43"	90° 13' 59.87"
57	3,630,893.48	345,610.77	29° 26' 44.62"	90° 14' 00.61"
56	3,630,832.89	345,120.23	29° 26' 39.77"	90° 14' 01.35"
55	3,630,829.41	344,599.17	29° 26' 34.61"	90° 14' 01.45"
54	3,630,822.37	344,078.91	29° 26' 29.46"	90° 14' 01.58"

STR. NO.	COORDINATES (NAD 83)		COORDINATES	
	X	Y	LATITUDE	LONGITUDE
53	3,630,813.42	343,550.19	29° 26' 24.23"	90° 14' 01.74"
52	3,630,807.05	343,009.16	29° 26' 18.87"	90° 14' 01.87"
51	3,630,798.44	342,461.68	29° 26' 13.46"	90° 14' 02.03"
50	3,630,792.19	341,950.70	29° 26' 08.40"	90° 14' 02.15"
49	3,630,782.72	341,366.68	29° 26' 02.62"	90° 14' 02.32"
48	3,630,776.45	340,988.34	29° 25' 58.87"	90° 14' 02.44"
47	3,630,768.00	340,407.85	29° 25' 53.13"	90° 14' 02.59"
46-1	3,630,763.56	340,073.93	29° 25' 49.82"	90° 14' 02.68"
46	3,630,758.31	339,727.77	29° 25' 46.40"	90° 14' 02.78"
45	3,630,751.97	339,170.15	29° 25' 40.88"	90° 14' 02.91"
44	3,630,745.67	338,685.87	29° 25' 36.08"	90° 14' 03.03"
43	3,630,740.82	338,205.78	29° 25' 31.33"	90° 14' 03.14"
42	3,630,730.72	337,606.03	29° 25' 25.39"	90° 14' 03.32"
41	3,630,725.62	337,268.38	29° 25' 22.05"	90° 14' 03.41"
40	3,630,718.21	336,683.59	29° 25' 16.26"	90° 14' 03.56"
39	3,630,711.58	336,224.47	29° 25' 11.72"	90° 14' 03.69"
38	3,630,703.94	335,713.69	29° 25' 06.66"	90° 14' 03.83"
37	3,630,699.27	335,203.77	29° 25' 01.62"	90° 14' 03.94"
36	3,630,687.83	334,694.51	29° 24' 56.58"	90° 14' 04.12"
35	3,630,681.96	334,184.64	29° 24' 51.53"	90° 14' 04.24"
34	3,630,674.63	333,673.54	29° 24' 46.47"	90° 14' 04.38"
33	3,630,669.54	333,202.12	29° 24' 41.81"	90° 14' 04.49"
32	3,630,661.09	332,691.56	29° 24' 36.75"	90° 14' 04.64"
31	3,630,652.03	332,083.56	29° 24' 30.73"	90° 14' 04.81"
30	3,630,639.83	331,548.35	29° 24' 25.44"	90° 14' 05.00"
29	3,630,638.48	331,075.67	29° 24' 20.76"	90° 14' 05.07"
28	3,630,629.80	330,539.13	29° 24' 15.45"	90° 14' 05.23"
27	3,630,620.89	330,004.71	29° 24' 10.16"	90° 14' 05.39"
26	3,630,613.43	329,469.53	29° 24' 04.86"	90° 14' 05.53"
25	3,630,607.09	328,935.15	29° 23' 59.57"	90° 14' 05.66"
24	3,630,599.69	328,399.60	29° 23' 54.27"	90° 14' 05.80"
23	3,630,591.24	327,858.05	29° 23' 48.91"	90° 14' 05.95"
22	3,630,583.14	327,330.70	29° 23' 43.69"	90° 14' 06.10"
21	3,630,574.21	326,649.33	29° 23' 36.95"	90° 14' 06.28"
20	3,630,569.84	326,295.17	29° 23' 33.44"	90° 14' 06.37"
19	3,630,562.67	325,879.44	29° 23' 29.33"	90° 14' 06.49"
18	3,630,555.56	325,462.40	29° 23' 25.20"	90° 14' 06.62"
17	3,630,549.82	324,988.23	29° 23' 20.51"	90° 14' 06.73"
16	3,630,544.04	324,509.70	29° 23' 15.77"	90° 14' 06.85"
15	3,630,539.19	324,032.50	29° 23' 11.05"	90° 14' 06.96"
14	3,630,019.21	323,907.52	29° 23' 09.86"	90° 14' 12.85"
13	3,629,506.64	323,781.68	29° 23' 08.66"	90° 14' 18.65"
12	3,628,983.27	323,654.78	29° 23' 07.45"	90° 14' 24.58"
11	3,628,458.39	323,527.90	29° 23' 06.25"	90° 14' 30.53"
10	3,627,934.35	323,398.68	29° 23' 05.02"	90° 14' 36.47"
9	3,627,470.08	323,284.96	29° 23' 03.94"	90° 14' 41.73"
8	3,626,983.95	323,167.52	29° 23' 02.82"	90° 14' 47.24"
7	3,626,352.64	323,015.20	29° 23' 01.37"	90° 14' 54.39"
6	3,625,836.96	322,889.42	29° 23' 00.17"	90° 15' 00.23"
5	3,625,349.11	322,772.31	29° 22' 59.06"	90° 15' 05.76"
4	3,624,865.88	322,635.27	29° 22' 57.75"	90° 15' 11.23"
3	3,624,420.20	322,547.41	29° 22' 56.92"	90° 15' 16.28"
2	3,623,982.08	322,440.05	29° 22' 55.90"	90° 15' 21.24"
1	3,623,534.87	322,331.24	29° 22' 54.86"	90° 15' 26.31"

THESE PLATS ARE TO BE USED EXCLUSIVELY FOR THE ACQUISITION OF REGULATORY PERMITS.

DRAWN BY:	SPM	APPROVED BY:	MDT
DATE:	07/06/2021	JOB NO:	2021.0252
DRAWING NAME:		210252P- 3_REV.DWG	
SHEET NO:	39C	OF	41

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

NOT TO SCALE

REMOVED STR COORDINATES

ENTERGY LOUISIANA, LLC

PROPOSED REMOVAL OF EXISTING STRUCTURES
ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE
LAFOURCHE & JEFFERSON PARISHES, LOUISIANA

T. BAKER SMITH
A CENTURY OF SOLUTIONS
412 South Van Ave, Houma, LA 70363
(985)868-1868 - tbsmith.com

REV. NO:	01	REV. DATE: 12/06/2021	REV. BY:	SPM

REVISION DESCRIPTION:
ADDED REPLACEMENT STRUCTURES.

12/3/2021 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 3_REV.DWG

STR. NO.	COORDINATES (NAD 83)		COORDINATES	
	X	Y	LATITUDE	LONGITUDE
315	3,662,808.36	460,254.71	29° 45' 36.32"	90° 07' 46.04"
315	3,662,803.75	460,219.66	29° 45' 35.98"	90° 07' 46.09"
315	3,662,799.14	460,184.61	29° 45' 35.63"	90° 07' 46.15"
314	3,662,633.66	460,466.86	29° 45' 38.44"	90° 07' 48.00"
313	3,662,409.84	460,794.36	29° 45' 41.71"	90° 07' 50.50"
312	3,662,150.27	461,165.50	29° 45' 45.41"	90° 07' 53.40"
311	3,661,888.90	461,533.46	29° 45' 49.08"	90° 07' 56.32"
310	3,661,630.48	461,904.59	29° 45' 52.78"	90° 07' 59.21"
309	3,661,380.04	462,254.54	29° 45' 56.27"	90° 08' 02.01"
308	3,661,121.86	462,616.69	29° 45' 59.88"	90° 08' 04.89"
308	3,661,105.86	462,603.09	29° 45' 59.75"	90° 08' 05.08"
307	3,660,853.63	462,902.78	29° 46' 02.74"	90° 08' 07.90"
307	3,660,858.98	462,873.26	29° 46' 02.45"	90° 08' 07.84"
307	3,660,864.33	462,843.74	29° 46' 02.15"	90° 08' 07.79"
306	3,660,665.02	462,410.60	29° 45' 57.89"	90° 08' 10.10"
305	3,660,459.74	461,930.88	29° 45' 53.16"	90° 08' 12.49"
304	3,660,257.98	461,449.86	29° 45' 48.42"	90° 08' 14.83"
303	3,660,047.65	460,962.42	29° 45' 43.62"	90° 08' 17.28"
302	3,659,834.82	460,466.56	29° 45' 38.73"	90° 08' 19.75"
301	3,659,635.50	459,992.12	29° 45' 34.05"	90° 08' 22.07"
300	3,659,434.82	459,514.80	29° 45' 29.35"	90° 08' 24.40"
299	3,659,228.59	459,031.99	29° 45' 24.59"	90° 08' 26.80"
298	3,659,023.61	458,547.46	29° 45' 19.82"	90° 08' 29.18"
297	3,658,815.20	458,056.74	29° 45' 14.98"	90° 08' 31.60"
296	3,658,611.92	457,579.30	29° 45' 10.27"	90° 08' 33.96"
295	3,658,383.27	457,085.77	29° 45' 05.41"	90° 08' 36.62"
295	3,658,413.27	457,085.32	29° 45' 05.40"	90° 08' 36.28"
295	3,658,443.27	457,084.87	29° 45' 05.40"	90° 08' 35.94"
294	3,658,579.26	456,634.07	29° 45' 00.92"	90° 08' 34.45"
293	3,658,760.96	456,166.30	29° 44' 56.27"	90° 08' 32.44"
292	3,658,937.67	455,715.15	29° 44' 51.79"	90° 08' 30.49"
291	3,659,110.85	455,270.86	29° 44' 47.37"	90° 08' 28.58"
290	3,659,287.63	454,816.81	29° 44' 42.86"	90° 08' 26.62"
289	3,659,426.74	454,353.62	29° 44' 38.26"	90° 08' 25.10"
289	3,659,456.25	454,348.23	29° 44' 38.20"	90° 08' 24.77"
289	3,659,485.76	454,342.84	29° 44' 38.15"	90° 08' 24.43"
288	3,658,924.21	453,756.06	29° 44' 32.4""	90° 08' 30.87"
288	3,658,950.19	453,786.48	29° 44' 32.69"	90° 08' 30.57"
288	3,658,954.63	453,730.08	29° 44' 32.13"	90° 08' 30.53"
288	3,658,980.61	453,760.50	29° 44' 32.43"	90° 08' 30.23"
287	3,658,545.79	453,313.49	29° 44' 28.06"	90° 08' 35.22"
287	3,658,576.29	453,287.45	29° 44' 27.80"	90° 08' 34.88"
287	3,658,550.16	453,257.00	29° 44' 27.50"	90° 08' 35.18"
287	3,658,519.81	453,283.02	29° 44' 27.76"	90° 08' 35.52"
286	3,658,002.74	452,679.17	29° 44' 21.83"	90° 08' 41.45"
286	3,658,028.74	452,709.57	29° 44' 22.13"	90° 08' 41.15"
286	3,658,033.14	452,653.17	29° 44' 21.57"	90° 08' 41.11"
286	3,658,059.14	452,683.57	29° 44' 21.87"	90° 08' 40.81"
285	3,657,478.49	452,072.69	29° 44' 15.88"	90° 08' 47.47"
285	3,657,497.51	452,056.47	29° 44' 15.72"	90° 08' 47.26"
285	3,657,516.53	452,040.25	29° 44' 15.55"	90° 08' 47.04"
284	3,657,210.98	451,720.12	29° 44' 12.42"	90° 08' 50.54"
283	3,656,909.64	451,366.50	29° 44' 08.95"	90° 08' 54.00"

STR. NO.	COORDINATES (NAD 83)		COORDINATES	
	X	Y	LATITUDE	LONGITUDE
282	3,656,597.84	451,001.17	29° 44' 05.36"	90° 08' 57.58"
281	3,656,278.81	450,634.38	29° 44' 01.76"	90° 09' 01.25"
280	3,655,967.16	450,265.63	29° 43' 58.15"	90° 09' 04.82"
279	3,655,656.06	449,893.63	29° 43' 54.5""	90° 09' 08.40"
278	3,655,361.96	449,517.13	29° 43' 50.80"	90° 09' 11.78"
277	3,655,072.33	449,132.59	29° 43' 47.02"	90° 09' 15.11"
276	3,654,788.46	448,757.22	29° 43' 43.33"	90° 09' 18.37"
275	3,654,501.98	448,379.35	29° 43' 39.62"	90° 09' 21.66"
274	3,654,217.51	447,997.60	29° 43' 35.87"	90° 09' 24.93"
273	3,653,939.15	447,629.44	29° 43' 32.26"	90° 09' 28.13"
272	3,653,667.49	447,270.28	29° 43' 28.73"	90° 09' 31.26"
271	3,653,455.20	446,987.17	29° 43' 25.95"	90° 09' 33.70"
270	3,653,193.58	446,638.89	29° 43' 22.53"	90° 09' 36.70"
269	3,652,895.68	446,243.11	29° 43' 18.64"	90° 09' 40.13"
268	3,652,589.88	445,839.32	29° 43' 14.67"	90° 09' 43.64"
267	3,652,282.74	445,432.02	29° 43' 10.67"	90° 09' 47.17"
266	3,651,979.15	445,029.95	29° 43' 06.72"	90° 09' 50.66"
265	3,651,672.05	444,623.57	29° 43' 02.73"	90° 09' 54.19"
264	3,651,371.26	444,223.57	29° 42' 58.80"	90° 09' 57.65"
263	3,651,062.32	443,814.91	29° 42' 54.79"	90° 10' 01.20"
262	3,650,732.46	443,417.50	29° 42' 50.89"	90° 10' 04.99"
262	3,650,752.41	443,402.43	29° 42' 50.74"	90° 10' 04.76"
262	3,650,772.36	443,387.36	29° 42' 50.58"	90° 10' 04.54"
261	3,650,452.09	443,006.73	29° 42' 46.85"	90° 10' 08.21"
260	3,650,145.84	442,599.62	29° 42' 42.85"	90° 10' 11.73"
259	3,649,842.82	442,197.44	29° 42' 38.90"	90° 10' 15.22"
258	3,649,537.12	441,790.42	29° 42' 34.90"	90° 10' 18.73"
257	3,649,232.60	441,385.92	29° 42' 30.93"	90° 10' 22.23"
256	3,648,927.03	440,982.18	29° 42' 26.96"	90° 10' 25.74"
255	3,648,622.72	440,576.49	29° 42' 22.98"	90° 10' 29.24"
254	3,648,316.92	440,170.64	29° 42' 18.99"	90° 10' 32.75"
253	3,648,008.93	439,763.28	29° 42' 14.99"	90° 10' 36.29"
252	3,647,701.35	439,356.41	29° 42' 10.99"	90° 10' 39.82"
251	3,647,393.18	438,947.49	29° 42' 06.97"	90° 10' 43.37"
250	3,647,050.96	438,497.11	29° 42' 02.55"	90° 10' 47.30"
249	3,646,785.24	438,143.17	29° 41' 59.07"	90° 10' 50.35"
248	3,646,480.31	437,736.97	29° 41' 55.08"	90° 10' 53.85"
247	3,646,177.11	437,337.73	29° 41' 51.16"	90° 10' 57.34"
246	3,645,869.30	436,926.58	29° 41' 47.12"	90° 11' 00.87"
245	3,645,565.44	436,523.58	29° 41' 43.16"	90° 11' 04.37"
244	3,645,259.46	436,116.88	29° 41' 39.16"	90° 11' 07.88"
243	3,644,947.55	435,702.68	29° 41' 35.09"	90° 11' 11.46"
242	3,644,639.32	435,294.74	29° 41' 31.09"	90° 11' 15.01"
241	3,644,319.34	434,875.05	29° 41' 26.96"	90° 11' 18.68"
240	3,643,994.38	434,485.05	29° 41' 23.14"	90° 11' 22.41"
240	3,644,014.33	434,469.98	29° 41' 22.98"	90° 11' 22.18"
240	3,644,034.28	434,454.91	29° 41' 22.83"	90° 11' 21.96"
239	3,643,667.33	434,028.55	29° 41' 18.65"	90° 11' 26.17"
239	3,643,683.27	434,016.47	29° 41' 18.53"	90° 11' 25.99"
238	3,642,762.31	432,833.94	29° 41' 06.91"	90° 11' 36.56"
238	3,642,778.31	432,821.94	29° 41' 06.79"	90° 11' 36.38"
237	3,642,402.80	432,375.38	29° 41' 02.41"	90° 11' 40.69"
237	3,642,422.76	432,360.32	29° 41' 02.26"	90° 11' 40.47"
237	3,642,442.72	432,345.26	29° 41' 02.11"	90° 11' 40.24"

THESE PLATS ARE TO BE USED EXCLUSIVELY FOR THE ACQUISITION OF REGULATORY PERMITS.

DRAWN BY:	SPM	APPROVED BY:	MDT
DATE:	12/06/2021	JOB NO:	2021.0252
DRAWING NAME:		210252P- 3_REV.DWG	
SHEET NO:	40A	OF	41

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

NOT TO SCALE

PROPOSED STR COORDINATES

ENTERGY LOUISIANA, LLC

PROPOSED REMOVAL/REPLACEMENT OF EXISTING STRUCTURES
ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE
LAFOURCHE & JEFFERSON PARISHES, LOUISIANA

T. BAKER SMITH
A CENTURY OF SOLUTIONS
412 South Van Avenue, Houma, LA 70363
(985)868-1666 - tbsmith.com

REV. NO:	01	REV. DATE:	04/29/2022	REV. BY:	SPM

REVISION DESCRIPTION:
RELOCATED STR 287.

5/6/2022 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 3_REV.DWG

STR. NO.	COORDINATES (NAD 83) X	Y	COORDINATES LATITUDE	LONGITUDE
236	3,642,095.18	431,932.50	29° 40' 58.05"	90° 11' 44.23"
235	3,641,758.93	431,497.75	29° 40' 53.78"	90° 11' 48.09"
234	3,641,456.91	431,093.55	29° 40' 49.81"	90° 11' 51.56"
233	3,641,201.28	430,754.71	29° 40' 46.48"	90° 11' 54.49"
232	3,640,890.40	430,344.71	29° 40' 42.45"	90° 11' 58.06"
231	3,640,581.51	429,939.09	29° 40' 38.47"	90° 12' 01.61"
230	3,640,273.63	429,542.99	29° 40' 34.58"	90° 12' 05.15"
229	3,639,960.15	429,150.77	29° 40' 30.73"	90° 12' 08.74"
228	3,639,639.52	428,769.76	29° 40' 26.99"	90° 12' 12.42"
227	3,639,316.95	428,388.20	29° 40' 23.24"	90° 12' 16.12"
226	3,639,014.98	428,025.33	29° 40' 19.68"	90° 12' 19.58"
225	3,638,674.99	427,618.78	29° 40' 15.69"	90° 12' 23.48"
224	3,638,354.73	427,234.56	29° 40' 11.91"	90° 12' 27.16"
223	3,638,033.66	426,846.28	29° 40' 08.10"	90° 12' 30.84"
222	3,637,694.40	426,478.26	29° 40' 04.49"	90° 12' 34.72"
222	3,637,715.31	426,456.75	29° 40' 04.28"	90° 12' 34.49"
222	3,637,736.22	426,435.24	29° 40' 04.06"	90° 12' 34.26"
221	3,637,311.93	426,145.71	29° 40' 01.24"	90° 12' 39.10"
220	3,636,912.28	425,828.58	29° 39' 58.14"	90° 12' 43.66"
219	3,636,512.33	425,508.43	29° 39' 55.01"	90° 12' 48.23"
218	3,636,107.39	425,195.21	29° 39' 51.94"	90° 12' 52.86"
217	3,635,707.91	424,883.62	29° 39' 48.90"	90° 12' 57.42"
216	3,635,298.87	424,554.59	29° 39' 45.68"	90° 13' 02.09"
215	3,634,911.66	424,234.19	29° 39' 42.55"	90° 13' 06.51"
214	3,634,488.76	423,929.63	29° 39' 39.57"	90° 13' 11.34"
214	3,634,497.77	423,910.66	29° 39' 39.38"	90° 13' 11.24"
213	3,633,985.96	423,793.98	29° 39' 38.28"	90° 13' 17.06"
212	3,633,472.00	423,671.10	29° 39' 37.11"	90° 13' 22.89"
211	3,632,962.47	423,551.64	29° 39' 35.98"	90° 13' 28.68"
210	3,632,444.86	423,427.91	29° 39' 34.80"	90° 13' 34.56"
209	3,631,909.63	423,316.87	29° 39' 33.75"	90° 13' 40.64"
209	3,631,933.20	423,298.32	29° 39' 33.57"	90° 13' 40.38"
209	3,631,956.77	423,279.77	29° 39' 33.38"	90° 13' 40.11"
208	3,631,904.77	422,524.84	29° 39' 25.91"	90° 13' 40.78"
208	3,631,905.26	422,564.83	29° 39' 26.31"	90° 13' 40.77"
208	3,631,944.76	422,524.35	29° 39' 25.91"	90° 13' 40.33"
208	3,631,945.25	422,564.34	29° 39' 26.30"	90° 13' 40.32"
207	3,631,895.88	421,872.79	29° 39' 19.46"	90° 13' 40.95"
207	3,631,896.49	421,912.78	29° 39' 19.86"	90° 13' 40.94"
207	3,631,935.87	421,872.18	29° 39' 19.45"	90° 13' 40.50"
207	3,631,936.48	421,912.17	29° 39' 19.85"	90° 13' 40.49"
206	3,631,880.08	421,239.44	29° 39' 13.19"	90° 13' 41.20"
206	3,631,905.08	421,239.07	29° 39' 13.19"	90° 13' 40.92"
206	3,631,930.08	421,238.70	29° 39' 13.18"	90° 13' 40.64"
205	3,631,898.50	420,729.85	29° 39' 08.15"	90° 13' 41.05"
204	3,631,888.59	420,224.95	29° 39' 03.15"	90° 13' 41.22"
203	3,631,883.59	419,722.84	29° 38' 58.18"	90° 13' 41.33"
202	3,631,875.77	419,217.87	29° 38' 53.18"	90° 13' 41.47"
201	3,631,867.54	418,714.21	29° 38' 48.2""	90° 13' 41.62"
200	3,631,861.42	418,211.75	29° 38' 43.22"	90° 13' 41.75"
199	3,631,852.69	417,702.93	29° 38' 38.19"	90° 13' 41.90"
198	3,631,846.75	417,214.32	29° 38' 33.35"	90° 13' 42.02"
197	3,631,841.68	416,726.69	29° 38' 28.52"	90° 13' 42.13"

STR. NO.	COORDINATES (NAD 83) X	Y	COORDINATES LATITUDE	LONGITUDE
196	3,631,833.67	416,238.58	29° 38' 23.69"	90° 13' 42.28"
195	3,631,828.95	415,750.26	29° 38' 18.86"	90° 13' 42.38"
194	3,631,820.36	415,260.87	29° 38' 14.01"	90° 13' 42.53"
193	3,631,813.21	414,773.70	29° 38' 09.19"	90° 13' 42.67"
192	3,631,805.50	414,283.62	29° 38' 04.34"	90° 13' 42.81"
191	3,631,800.12	413,793.73	29° 37' 59.49"	90° 13' 42.92"
190	3,631,790.98	413,303.68	29° 37' 54.64"	90° 13' 43.08"
189	3,631,785.72	412,815.09	29° 37' 49.81"	90° 13' 43.19"
188	3,631,772.93	412,315.66	29° 37' 44.86"	90° 13' 43.39"
187	3,631,746.13	411,835.05	29° 37' 40.11"	90° 13' 43.75"
187	3,631,771.13	411,834.81	29° 37' 40.10"	90° 13' 43.47"
187	3,631,796.13	411,834.57	29° 37' 40.10"	90° 13' 43.18"
186	3,631,753.10	411,317.53	29° 37' 34.98"	90° 13' 43.73"
186	3,631,773.10	411,317.24	29° 37' 34.98"	90° 13' 43.50"
185	3,631,746.68	410,842.58	29° 37' 30.28"	90° 13' 43.85"
185	3,631,766.68	410,842.30	29° 37' 30.28"	90° 13' 43.62"
184	3,631,723.63	410,273.48	29° 37' 24.65"	90° 13' 44.17"
184	3,631,748.63	410,273.12	29° 37' 24.65"	90° 13' 43.89"
184	3,631,773.63	410,272.76	29° 37' 24.64"	90° 13' 43.61"
183	3,631,741.02	409,741.75	29° 37' 19.39"	90° 13' 44.04"
182	3,631,731.33	409,204.94	29° 37' 14.07"	90° 13' 44.20"
181	3,631,726.58	408,674.14	29° 37' 08.82"	90° 13' 44.32"
180	3,631,719.33	408,138.50	29° 37' 03.52"	90° 13' 44.46"
179	3,631,710.37	407,608.90	29° 36' 58.28"	90° 13' 44.62"
178	3,631,702.89	407,076.90	29° 36' 53.01"	90° 13' 44.76"
177	3,631,697.16	406,541.63	29° 36' 47.71"	90° 13' 44.88"
176	3,631,689.60	406,036.83	29° 36' 42.72"	90° 13' 45.02"
175	3,631,681.55	405,529.59	29° 36' 37.7""	90° 13' 45.17"
174	3,631,675.66	405,020.71	29° 36' 32.66"	90° 13' 45.29"
173	3,631,667.53	404,514.94	29° 36' 27.65"	90° 13' 45.44"
172	3,631,660.60	404,006.23	29° 36' 22.62"	90° 13' 45.57"
171	3,631,653.22	403,500.22	29° 36' 17.61"	90° 13' 45.71"
170	3,631,645.94	402,979.17	29° 36' 12.45"	90° 13' 45.85"
169	3,631,638.13	402,468.92	29° 36' 07.40"	90° 13' 45.99"
168	3,631,631.98	401,963.41	29° 36' 02.40"	90° 13' 46.12"
167	3,631,618.03	401,455.89	29° 35' 57.38"	90° 13' 46.33"
166	3,631,618.98	400,966.88	29° 35' 52.53"	90° 13' 46.38"
165	3,631,610.59	400,457.40	29° 35' 47.49"	90° 13' 46.53"
164	3,631,600.97	399,947.34	29° 35' 42.44"	90° 13' 46.69"
163	3,631,595.65	399,443.39	29° 35' 37.46"	90° 13' 46.81"
162	3,631,589.38	398,929.37	29° 35' 32.37"	90° 13' 46.93"
161	3,631,583.51	398,428.82	29° 35' 27.41"	90° 13' 47.05"
160	3,631,574.87	397,917.96	29° 35' 22.36"	90° 13' 47.21"
159	3,631,542.60	397,410.70	29° 35' 17.34"	90° 13' 47.63"
159	3,631,567.60	397,410.42	29° 35' 17.33"	90° 13' 47.35"
159	3,631,592.60	397,410.14	29° 35' 17.33"	90° 13' 47.06"
158	3,631,563.49	396,901.49	29° 35' 12.30"	90° 13' 47.45"
157	3,631,550.04	396,396.78	29° 35' 07.30"	90° 13' 47.65"
156	3,631,548.42	395,886.65	29° 35' 02.25"	90° 13' 47.73"
155	3,631,540.11	395,379.77	29° 34' 57.23"	90° 13' 47.88"
154	3,631,535.42	394,874.24	29° 34' 52.23"	90° 13' 47.99"
153	3,631,525.33	394,365.70	29° 34' 47.20"	90° 13' 48.16"
152	3,631,519.24	393,837.50	29° 34' 41.97"	90° 13' 48.28"

THESE PLATS ARE TO BE USED EXCLUSIVELY FOR THE ACQUISITION OF REGULATORY PERMITS.

DRAWN BY: SPM	APPROVED BY: MDT
DATE: 12/06/2021	JOB NO: 2021.0252
DRAWING NAME: 210252P- 3_REV.DWG	
SHEET NO: 40B OF 41	
PROJECTION: LOUISIANA SOUTH ZONE GEO. DATUM: NAD83 | VERT. DATUM: NAVD88 GRID UNITS: US SURVEY FEET	
NOT TO SCALE	

PROPOSED STR COORDINATES

ENTERGY LOUISIANA, LLC

PROPOSED REMOVAL OF EXISTING STRUCTURES
ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE
LAFOURCHE & JEFFERSON PARISHES, LOUISIANA

T. BAKER SMITH
A CENTURY OF SOLUTIONS
412 South Van Ave, Houma, LA 70363
(985)868-1868 - tbsmith.com

REV. NO:	REV. DATE:	REV. BY:
00	--/--/--	---

REVISION DESCRIPTION:
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12/3/2021 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 3_REV.DWG

STR. NO.	COORDINATES (NAD 83)		COORDINATES	
	X	Y	LATITUDE	LONGITUDE
151	3,631,511.82	393,335.76	29° 34' 37.00"	90° 13' 48.42"
150	3,631,505.52	392,832.45	29° 34' 32.02"	90° 13' 48.55"
149	3,631,497.26	392,329.84	29° 34' 27.05"	90° 13' 48.70"
148	3,631,488.60	391,820.61	29° 34' 22.01"	90° 13' 48.85"
147	3,631,482.45	391,313.95	29° 34' 16.99"	90° 13' 48.97"
146	3,631,475.62	390,811.28	29° 34' 12.02"	90° 13' 49.11"
145	3,631,465.75	390,308.45	29° 34' 07.04"	90° 13' 49.27"
144	3,631,459.24	389,785.53	29° 34' 01.86"	90° 13' 49.40"
143	3,631,451.91	389,275.60	29° 33' 56.82"	90° 13' 49.54"
142	3,631,445.43	388,767.05	29° 33' 51.78"	90° 13' 49.67"
141	3,631,439.27	388,285.82	29° 33' 47.02"	90° 13' 49.79"
140	3,631,433.00	387,755.70	29° 33' 41.77"	90° 13' 49.92"
139	3,631,424.13	387,217.91	29° 33' 36.45"	90° 13' 50.08"
138	3,631,416.63	386,701.95	29° 33' 31.34"	90° 13' 50.22"
137	3,631,410.65	386,190.29	29° 33' 26.28"	90° 13' 50.35"
136	3,631,380.06	385,668.35	29° 33' 21.11"	90° 13' 50.75"
136	3,631,405.06	385,667.99	29° 33' 21.11"	90° 13' 50.47"
136	3,631,430.06	385,667.63	29° 33' 21.10"	90° 13' 50.18"
135	3,631,375.58	385,133.95	29° 33' 15.82"	90° 13' 50.86"
135	3,631,376.20	385,173.95	29° 33' 16.22"	90° 13' 50.85"
135	3,631,415.58	385,133.33	29° 33' 15.81"	90° 13' 50.41"
135	3,631,416.20	385,173.33	29° 33' 16.21"	90° 13' 50.39"
134	3,631,371.51	384,821.60	29° 33' 12.73"	90° 13' 50.94"
134	3,631,372.08	384,861.59	29° 33' 13.13"	90° 13' 50.93"
134	3,631,411.51	384,821.03	29° 33' 12.72"	90° 13' 50.49"
134	3,631,412.07	384,861.03	29° 33' 13.12"	90° 13' 50.47"
133	3,631,358.52	384,297.04	29° 33' 07.54"	90° 13' 51.14"
133	3,631,383.52	384,296.68	29° 33' 07.53"	90° 13' 50.86"
133	3,631,408.52	384,296.32	29° 33' 07.53"	90° 13' 50.58"
132	3,631,376.27	383,763.26	29° 33' 02.25"	90° 13' 51.00"
131	3,631,368.75	383,258.28	29° 32' 57.26"	90° 13' 51.14"
130	3,631,366.52	382,750.77	29° 32' 52.23"	90° 13' 51.22"
129	3,631,356.57	382,247.06	29° 32' 47.25"	90° 13' 51.39"
128	3,631,349.49	381,754.26	29° 32' 42.37"	90° 13' 51.52"
127	3,631,340.48	381,228.53	29° 32' 37.17"	90° 13' 51.68"
126	3,631,336.19	380,728.57	29° 32' 32.22"	90° 13' 51.78"
125	3,631,328.50	380,219.14	29° 32' 27.18"	90° 13' 51.93"
124	3,631,322.21	379,723.72	29° 32' 22.27"	90° 13' 52.05"
123	3,631,313.70	379,189.05	29° 32' 16.98"	90° 13' 52.21"
122	3,631,307.40	378,708.01	29° 32' 12.22"	90° 13' 52.33"
121	3,631,300.86	378,218.82	29° 32' 07.38"	90° 13' 52.46"
120	3,631,294.25	377,780.75	29° 32' 03.04"	90° 13' 52.58"
119	3,631,262.89	377,324.22	29° 31' 58.52"	90° 13' 52.98"
119	3,631,287.89	377,323.84	29° 31' 58.52"	90° 13' 52.70"
119	3,631,312.89	377,323.46	29° 31' 58.51"	90° 13' 52.42"
118	3,631,278.87	376,784.65	29° 31' 53.18"	90° 13' 52.86"
117	3,631,270.71	376,301.22	29° 31' 48.40"	90° 13' 53.01"
116	3,631,263.61	375,786.54	29° 31' 43.30"	90° 13' 53.14"
115	3,631,254.35	375,284.17	29° 31' 38.33"	90° 13' 53.30"
114	3,631,247.40	374,772.56	29° 31' 33.27"	90° 13' 53.44"
113	3,631,244.60	374,287.51	29° 31' 28.46"	90° 13' 53.52"
112	3,631,236.48	373,801.20	29° 31' 23.65"	90° 13' 53.67"
111	3,631,231.52	373,302.79	29° 31' 18.72"	90° 13' 53.78"

STR. NO.	COORDINATES (NAD 83)		COORDINATES	
	X	Y	LATITUDE	LONGITUDE
110	3,631,215.80	372,720.25	29° 31' 12.95"	90° 13' 54.02"
109	3,631,215.25	372,213.27	29° 31' 07.93"	90° 13' 54.08"
108	3,631,208.31	371,730.92	29° 31' 03.16"	90° 13' 54.21"
107	3,631,202.79	371,219.67	29° 30' 58.10"	90° 13' 54.33"
106	3,631,192.42	370,716.11	29° 30' 53.12"	90° 13' 54.50"
105	3,631,188.13	370,196.77	29° 30' 47.97"	90° 13' 54.61"
104	3,631,176.67	369,666.21	29° 30' 42.72"	90° 13' 54.79"
103	3,631,138.30	369,070.62	29° 30' 36.83"	90° 13' 55.29"
103	3,631,168.00	369,074.83	29° 30' 36.87"	90° 13' 54.96"
103	3,631,197.70	369,079.05	29° 30' 36.91"	90° 13' 54.62"
102	3,631,318.26	368,583.16	29° 30' 31.99"	90° 13' 53.31"
101	3,631,468.64	368,103.86	29° 30' 27.23"	90° 13' 51.66"
100	3,631,622.20	367,605.28	29° 30' 22.28"	90° 13' 49.98"
99	3,631,770.31	367,116.92	29° 30' 17.43"	90° 13' 48.35"
98	3,631,919.82	366,622.48	29° 30' 12.52"	90° 13' 46.71"
97	3,632,068.38	366,134.01	29° 30' 07.67"	90° 13' 45.09"
96	3,632,222.73	365,644.30	29° 30' 02.81"	90° 13' 43.39"
95	3,632,374.63	365,142.07	29° 29' 57.82"	90° 13' 41.73"
94	3,632,530.66	364,625.42	29° 29' 52.69"	90° 13' 40.02"
93	3,632,688.33	364,112.66	29° 29' 47.60"	90° 13' 38.29"
92	3,632,824.17	363,563.30	29° 29' 42.15"	90° 13' 36.82"
92	3,632,853.69	363,568.65	29° 29' 42.20"	90° 13' 36.48"
92	3,632,883.21	363,574.01	29° 29' 42.25"	90° 13' 36.15"
91	3,632,878.60	363,022.32	29° 29' 36.79"	90° 13' 36.26"
91	3,632,898.58	363,023.14	29° 29' 36.80"	90° 13' 36.03"
90	3,632,887.27	362,553.82	29° 29' 32.15"	90° 13' 36.21"
90	3,632,907.27	362,553.92	29° 29' 32.15"	90° 13' 35.99"
89	3,632,862.07	361,967.07	29° 29' 26.35"	90° 13' 36.56"
89	3,632,892.01	361,965.16	29° 29' 26.33"	90° 13' 36.22"
89	3,632,921.95	361,963.25	29° 29' 26.30"	90° 13' 35.88"
88	3,632,830.02	361,445.07	29° 29' 21.18"	90° 13' 36.98"
87	3,632,765.92	360,914.87	29° 29' 15.94"	90° 13' 37.76"
86	3,632,702.80	360,400.48	29° 29' 10.85"	90° 13' 38.53"
85	3,632,642.70	359,893.50	29° 29' 05.84"	90° 13' 39.27"
84	3,632,570.72	359,336.40	29° 29' 00.33"	90° 13' 40.14"
83	3,632,504.77	358,792.67	29° 28' 54.96"	90° 13' 40.95"
82	3,632,442.99	358,295.76	29° 28' 50.04"	90° 13' 41.70"
81	3,632,374.66	357,736.81	29° 28' 44.52"	90° 13' 42.54"
80	3,632,312.02	357,208.18	29° 28' 39.29"	90° 13' 43.30"
79	3,632,244.95	356,672.77	29° 28' 34.00"	90° 13' 44.12"
78	3,632,158.09	356,065.23	29° 28' 27.99"	90° 13' 45.17"
77	3,632,089.55	355,464.54	29° 28' 22.05"	90° 13' 46.01"
76	3,632,031.45	354,917.89	29° 28' 16.65"	90° 13' 46.73"
75	3,631,976.88	354,455.09	29° 28' 12.07"	90° 13' 47.40"
74	3,631,913.30	353,956.33	29° 28' 07.14"	90° 13' 48.17"
73	3,631,853.81	353,455.90	29° 28' 02.19"	90° 13' 48.90"
72	3,631,788.00	352,941.96	29° 27' 57.11"	90° 13' 49.70"
71	3,631,729.68	352,466.11	29° 27' 52.40"	90° 13' 50.41"
70	3,631,674.63	351,985.43	29° 27' 47.65"	90° 13' 51.08"
69	3,631,575.43	351,374.07	29° 27' 41.61"	90° 13' 52.27"
69	3,631,600.25	351,371.07	29° 27' 41.58"	90° 13' 51.99"
69	3,631,625.07	351,368.07	29° 27' 41.54"	90° 13' 51.71"
68	3,631,515.84	350,756.51	29° 27' 35.50"	90° 13' 53.01"
68	3,631,535.70	350,754.11	29° 27' 35.47"	90° 13' 52.79"

THESE PLATS ARE TO BE USED EXCLUSIVELY FOR THE ACQUISITION OF REGULATORY PERMITS.

DRAWN BY: SPM	APPROVED BY: MDT
DATE: 12/06/2021	JOB NO: 2021.0252
DRAWING NAME: 210252P- 3_REV.DWG	
SHEET NO: 40C OF 41	
PROJECTION: LOUISIANA SOUTH ZONE GEO. DATUM: NAD83 | VERT. DATUM: NAVD88 GRID UNITS: US SURVEY FEET	
NOT TO SCALE	

PROPOSED STR COORDINATES

ENTERGY LOUISIANA, LLC

PROPOSED REMOVAL OF EXISTING STRUCTURES
ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE
LAFOURCHE & JEFFERSON PARISHES, LOUISIANA

T. BAKER SMITH
A CENTURY OF SOLUTIONS
412 South Van Avenue, Houma, LA 70363
(985)868-1666 - tbsmith.com

REV. NO:	REV. DATE:	REV. BY:
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REVISION DESCRIPTION:
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12/3/2021 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 3_REV.DWG

STR. NO.	COORDINATES (NAD 83)		COORDINATES	
	X	Y	LATITUDE	LONGITUDE
67	3,631,481.46	350,473.14	29° 27' 32.70"	90° 13' 53.43"
67	3,631,501.31	350,470.68	29° 27' 32.67"	90° 13' 53.21"
66	3,631,406.99	350,001.07	29° 27' 28.03"	90° 13' 54.33"
66	3,631,431.79	349,997.93	29° 27' 28.00"	90° 13' 54.05"
66	3,631,456.59	349,994.79	29° 27' 27.97"	90° 13' 53.77"
65	3,631,378.27	349,579.13	29° 27' 23.86"	90° 13' 54.70"
64	3,631,320.61	349,103.18	29° 27' 19.15"	90° 13' 55.40"
63	3,631,251.91	348,563.01	29° 27' 13.81"	90° 13' 56.24"
62	3,631,198.38	348,079.01	29° 27' 09.03"	90° 13' 56.89"
61	3,631,137.92	347,580.53	29° 27' 04.10"	90° 13' 57.63"
60	3,631,075.75	347,072.21	29° 26' 59.07"	90° 13' 58.39"
59	3,631,017.36	346,601.47	29° 26' 54.42"	90° 13' 59.10"
58	3,630,955.37	346,106.34	29° 26' 49.52"	90° 13' 59.86"
57	3,630,898.58	345,650.87	29° 26' 45.02"	90° 14' 00.55"
56	3,630,823.81	345,172.68	29° 26' 40.29"	90° 14' 01.45"
56	3,630,844.76	345,171.20	29° 26' 40.27"	90° 14' 01.21"
55	3,630,829.62	344,611.46	29° 26' 34.73"	90° 14' 01.44"
54	3,630,822.15	344,067.66	29° 26' 29.35"	90° 14' 01.59"
53	3,630,813.18	343,523.73	29° 26' 23.97"	90° 14' 01.75"
52	3,630,806.93	343,000.86	29° 26' 18.79"	90° 14' 01.87"
51	3,630,798.72	342,488.11	29° 26' 13.72"	90° 14' 02.02"
50	3,630,792.32	341,962.28	29° 26' 08.51"	90° 14' 02.15"
49	3,630,758.84	341,431.28	29° 26' 03.26"	90° 14' 02.59"
49	3,630,783.84	341,430.87	29° 26' 03.25"	90° 14' 02.31"
49	3,630,808.84	341,430.46	29° 26' 03.25"	90° 14' 02.02"
48	3,630,766.37	340,979.56	29° 25' 58.79"	90° 14' 02.55"
48	3,630,786.37	340,979.24	29° 25' 58.78"	90° 14' 02.33"
47	3,630,758.09	340,415.34	29° 25' 53.20"	90° 14' 02.71"
47	3,630,778.09	340,415.06	29° 25' 53.20"	90° 14' 02.48"
46_1	3,630,753.60	340,067.28	29° 25' 49.76"	90° 14' 02.80"
46_1	3,630,773.60	340,067.00	29° 25' 49.75"	90° 14' 02.57"
46	3,630,733.21	339,715.39	29° 25' 46.28"	90° 14' 03.06"
46	3,630,758.21	339,715.06	29° 25' 46.27"	90° 14' 02.78"
46	3,630,783.21	339,714.73	29° 25' 46.26"	90° 14' 02.50"
45	3,630,752.58	339,201.94	29° 25' 41.19"	90° 14' 02.90"
44	3,630,745.82	338,692.48	29° 25' 36.15"	90° 14' 03.03"
43	3,630,740.76	338,192.84	29° 25' 31.20"	90° 14' 03.14"
42	3,630,732.28	337,689.29	29° 25' 26.22"	90° 14' 03.29"
41	3,630,724.45	337,186.73	29° 25' 21.24"	90° 14' 03.44"
40	3,630,718.58	336,709.55	29° 25' 16.52"	90° 14' 03.56"
39	3,630,711.63	336,231.55	29° 25' 11.79"	90° 14' 03.69"
38	3,630,704.10	335,720.83	29° 25' 06.74"	90° 14' 03.83"
37	3,630,699.44	335,213.05	29° 25' 01.71"	90° 14' 03.93"
36	3,630,688.03	334,701.10	29° 24' 56.64"	90° 14' 04.12"
35	3,630,682.10	334,193.05	29° 24' 51.61"	90° 14' 04.24"
34	3,630,674.83	333,681.58	29° 24' 46.55"	90° 14' 04.38"
33	3,630,644.34	333,191.07	29° 24' 41.70"	90° 14' 04.78"
33	3,630,669.34	333,190.72	29° 24' 41.69"	90° 14' 04.49"
33	3,630,694.34	333,190.37	29° 24' 41.69"	90° 14' 04.21"
32	3,630,650.92	332,683.18	29° 24' 36.67"	90° 14' 04.76"
32	3,630,670.92	332,682.86	29° 24' 36.67"	90° 14' 04.53"
31	3,630,642.96	332,145.07	29° 24' 31.34"	90° 14' 04.91"
31	3,630,662.96	332,144.71	29° 24' 31.34"	90° 14' 04.68"

STR. NO.	COORDINATES (NAD 83)		COORDINATES	
	X	Y	LATITUDE	LONGITUDE
30	3,630,616.10	331,605.19	29° 24' 26.00"	90° 14' 05.27"
30	3,630,641.10	331,604.85	29° 24' 26.00"	90° 14' 04.98"
30	3,630,666.10	331,604.51	29° 24' 25.99"	90° 14' 04.70"
29	3,630,638.48	331,075.67	29° 24' 20.76"	90° 14' 05.07"
28	3,630,629.95	330,547.81	29° 24' 15.53"	90° 14' 05.23"
27	3,630,620.97	330,010.97	29° 24' 10.22"	90° 14' 05.39"
26	3,630,613.51	329,475.76	29° 24' 04.92"	90° 14' 05.53"
25	3,630,607.16	328,942.00	29° 23' 59.64"	90° 14' 05.66"
24	3,630,599.74	328,409.04	29° 23' 54.36"	90° 14' 05.80"
23	3,630,566.61	327,888.36	29° 23' 49.21"	90° 14' 06.23"
23	3,630,591.61	327,887.98	29° 23' 49.21"	90° 14' 05.95"
23	3,630,616.61	327,887.60	29° 23' 49.20"	90° 14' 05.66"
22	3,630,573.33	327,338.13	29° 23' 43.77"	90° 14' 06.21"
22	3,630,593.33	327,337.85	29° 23' 43.76"	90° 14' 05.99"
21	3,630,564.28	326,656.21	29° 23' 37.02"	90° 14' 06.39"
21	3,630,584.28	326,655.95	29° 23' 37.01"	90° 14' 06.16"
20	3,630,559.84	326,295.32	29° 23' 33.44"	90° 14' 06.48"
20	3,630,579.84	326,295.02	29° 23' 33.44"	90° 14' 06.25"
19	3,630,537.88	325,897.10	29° 23' 29.50"	90° 14' 06.77"
19	3,630,562.88	325,896.67	29° 23' 29.50"	90° 14' 06.49"
19	3,630,587.88	325,896.24	29° 23' 29.49"	90° 14' 06.21"
18	3,630,555.56	325,462.40	29° 23' 25.20"	90° 14' 06.62"
17	3,630,549.82	324,988.23	29° 23' 20.51"	90° 14' 06.73"
16	3,630,544.04	324,509.70	29° 23' 15.77"	90° 14' 06.85"
15	3,630,515.73	324,051.19	29° 23' 11.23"	90° 14' 07.22"
15	3,630,539.19	324,032.50	29° 23' 11.05"	90° 14' 06.96"
15	3,630,562.66	324,013.81	29° 23' 10.86"	90° 14' 06.69"
14	3,630,027.75	323,909.68	29° 23' 09.88"	90° 14' 12.75"
13	3,629,531.48	323,787.84	29° 23' 08.72"	90° 14' 18.37"
12	3,628,928.11	323,641.54	29° 23' 07.33"	90° 14' 25.21"
11	3,628,472.07	323,531.20	29° 23' 06.28"	90° 14' 30.38"
10	3,627,961.11	323,431.01	29° 23' 05.34"	90° 14' 36.16"
10	3,627,967.08	323,406.73	29° 23' 05.09"	90° 14' 36.10"
10	3,627,973.05	323,382.45	29° 23' 04.85"	90° 14' 36.03"
9	3,627,472.60	323,295.90	29° 23' 04.04"	90° 14' 41.70"
9	3,627,477.33	323,276.46	29° 23' 03.85"	90° 14' 41.65"
8	3,626,973.21	323,175.11	29° 23' 02.89"	90° 14' 47.36"
8	3,626,977.91	323,155.67	29° 23' 02.70"	90° 14' 47.31"
7	3,626,360.64	323,027.42	29° 23' 01.49"	90° 14' 54.30"
7	3,626,365.36	323,007.98	29° 23' 01.30"	90° 14' 54.24"
6	3,625,901.74	322,930.98	29° 23' 00.58"	90° 14' 59.49"
6	3,625,907.63	322,906.68	29° 23' 00.34"	90° 14' 59.43"
6	3,625,913.52	322,882.38	29° 23' 00.10"	90° 14' 59.37"
5	3,625,337.74	322,769.37	29° 22' 59.03"	90° 15' 05.89"
4	3,624,863.52	322,644.98	29° 22' 57.84"	90° 15' 11.26"
3	3,624,442.84	322,552.19	29° 22' 56.97"	90° 15' 16.02"
2	3,623,969.51	322,436.93	29° 22' 55.87"	90° 15' 21.39"
1	3,623,458.91	322,338.93	29° 22' 54.95"	90° 15' 27.17"
1	3,623,489.06	322,320.47	29° 22' 54.76"	90° 15' 26.83"
1	3,623,519.21	322,302.01	29° 22' 54.57"	90° 15' 26.49"

THESE PLATS ARE TO BE USED EXCLUSIVELY FOR THE ACQUISITION OF REGULATORY PERMITS.

DRAWN BY:	SPM	APPROVED BY:	MDT
DATE:	12/06/2021	JOB NO:	2021.0252
DRAWING NAME:		210252P- 3_REV.DWG	
SHEET NO:	40D	OF	41

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

NOT TO SCALE

PROPOSED STR COORDINATES

ENTERGY LOUISIANA, LLC

PROPOSED REMOVAL OF EXISTING STRUCTURES
ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE
LAFOURCHE & JEFFERSON PARISHES, LOUISIANA

T. BAKER SMITH
A CENTURY OF SOLUTIONS
412 South Van Avenue, Houma, LA 70363
(985)868-1666 - tbsmith.com

REV. NO:	REV. DATE:	REV. BY:
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REVISION DESCRIPTION:
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12/3/2021 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 3_REV.DWG

NOTES:

AS-BUILT DRAWINGS AND/OR PLATS SHALL HAVE WRITTEN ON THEM THE DATE OF COMPLETION OF SAID ACTIVITIES AND SHALL BE SUBMITTED TO THE LOUISIANA DEPARTMENT OF NATURAL RESOURCES, OFFICE OF COASTAL MANAGEMENT, P.O. BOX 44487, BATON ROUGE, LA 70804-4487 WITHIN 30 DAYS FOLLOWING PROJECT COMPLETION.

ALL STRUCTURES BUILT UNDER THE AUTHORIZATION AND CONDITIONS OF THIS PERMIT SHALL BE REMOVED FROM THE SITE WITHIN 120 DAYS OF ABANDONMENT OF THE FACILITIES FOR THE HEREIN PERMITTED USE, OR WHEN THESE STRUCTURES FALL INTO A STATE OF DISREPAIR SUCH THAT THEY CAN NO LONGER FUNCTION AS INTENDED. THIS CONDITION DOES NOT PRECLUDE THE NECESSITY FOR REVISING THE CURRENT PERMIT OR OBTAINING A SEPARATE COASTAL USE PERMIT, SHOULD ONE BE REQUIRED, FOR SUCH REMOVAL ACTIVITIES.

STRUCTURES MUST ALSO BE MARKED/LIGHTED IN ACCORDANCE WITH U.S. COAST GUARD REGULATIONS.

IN ORDER TO ENSURE THE SAFETY OF ALL PARTIES, THE PERMITEE 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.

LIMITED SURVEY DATA WAS COLLECTED IN THE PREPARATION OF THESE PLANS. INFORMATION USED TO PREPARE THESE PLANS WAS GATHERED FROM THE FOLLOWING SOURCES, EXISTING SURVEY/DATABASE DATA, CLIENT INFORMATION, INTERNET OR GOVERNMENT WEB SITE DATA.

TOTAL IMPACTS

EXCAVATIONS	
NON-VEGETATED	0 CU. YDS.
WATER BOTTOMS:	0.00 ACS.
WETLANDS:	0 CU. YDS.
	0.00 ACS.
FILL AREAS	
NON-VEGETATED	0 CU. YDS.
WATER BOTTOMS:	0.00 ACS.
WETLANDS:	0 CU. YDS.
	0.00 ACS.
FILL MATERIALS	
NATIVE MATERIAL:	0 CU. YDS.

EQUIPMENT

Airboat (6'± width) (8" draft)

Barges (3' draft)

Tug (4' draft)

Mantis Cranes (18'± width) (4' track)

Long Reach Crane (18'± width) (4' track)

Flat Deck Buggy (20'± width) (6' track)

Bucket Buggy (20'± width) (6' track)

Crane Buggy (20'± width) (6' track)

Helicopter

THESE PLATS ARE TO BE USED EXCLUSIVELY FOR THE ACQUISITION OF REGULATORY PERMITS.

DRAWN BY:	SPM	APPROVED BY:	MDT
DATE:	07/06/2021	JOB NO:	2021.0252
DRAWING NAME:		210252P- 3_REV.DWG	
SHEET NO:	41	OF	41

PROJECTION: LOUISIANA SOUTH ZONE
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

NOT TO SCALE

NOTES

ENTERGY LOUISIANA, LLC

PROPOSED REMOVAL OF EXISTING STRUCTURES
ALONG THE GOLDEN MEADOW TO BARATARIA TRANSMISSION LINE
LAFOURCHE & JEFFERSON PARISHES, LOUISIANA

T. BAKER SMITH
A CENTURY OF SOLUTIONS
412 South Van Ave, Houma, LA 70363
(985)868-1666 - tbsmith.com

REV. NO:	04	REV. DATE: 12/06/2021	REV. BY:	SPM

REVISION DESCRIPTION:
ADDED REPLACEMENT STRUCTURES.

12/3/2021 - P:\Y-2021\2021.0252\DWG\PERMIT\210252P- 3_REV.DWG