



DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS, NEW ORLEANS DISTRICT
7400 LEAKE AVENUE
NEW ORLEANS LA 70118-3651

April 1, 2024

Regulatory Division
Central Evaluation Branch

Project Manager: Kenny Blanke
(504) 862-1217
Kenneth.G.Blanke@usace.army.mil

Application #: MVN-2023-000900-CQ

PUBLIC NOTICE

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

INSTALL AND MAINTAIN 20-INCH CARBON DIOXIDE PIPELINE IN ASCENSION AND IBERVILLE PARISHES

NAME OF APPLICANT: Denbury Gulf Coast Pipelines, LLC, c/o BGE, Inc., Attn: Mr. Grant Barber, 102 Whitetail Run, Bullard, Texas 75757.

LOCATION OF WORK: On an approximate 11-acre site, located east of White Castle beginning at an existing Denbury pipeline approximately 3.43 miles northwest of the intersection of LA Highway 1 and LA Highway 405 (30.159684 N, -91.075364 W), then heading easterly terminating northwest of Donaldsonville at the proposed Clean Hydrogen Works (CHW) Ascension Clean Energy Project (MVN-2023-00647-CQ) approximately 2.73 miles northwest of the intersection of LA Highway 1 and LA Highway 405 (30.155376 N -91.057483 W), near Donaldsonville, in Ascension and Iberville Parishes, Louisiana, as shown within the attached drawings. (Hydrologic Unit Code 08090302, Lower Mississippi River Basin, West Central Coastal Louisiana Watershed).

CHARACTER OF WORK: The applicant is proposing to install and maintain an approximate 1.2-mile long, 20-inch carbon dioxide pipeline. The proposed project would utilize an approximate 75-foot-wide right-of-way (50-foot permanent, 25-foot temporary construction). The project purpose is to connect Denbury's existing Green Pipeline system to the proposed CHW Ascension Clean Energy Project. The proposed connection would be used to capture and sequester carbon dioxide that would normally be released to the atmosphere during the proposed facility operations. The proposed project would have a capacity of approximately 360 million standard cubic feet per day. The proposed pipeline would temporarily impact approximately 0.48 acre of herbaceous

wetlands. The project proposes to impact via permanent conversion approximately 6.0 acres of forested wetlands converted to maintained herbaceous wetlands within the proposed 50-foot permanent right-of-way. Temporary conversion impacts to approximately 3.84 acres of forested wetlands are proposed within the 25-foot construction right-of-way. Approximately 0.12 acre of herbaceous wetlands and 0.70 acre of forested wetlands are proposed to be impacted permanently via fill placement. Approximately 67.26 linear feet of ephemeral streams and 17 linear feet of intermittent streams are proposed to be impacted as a result of the project. Approximately 2,978 cubic yards of earthen fill material and 993 cubic yards of gravel material would be placed as fill in wetlands and Other Waters areas for the project. A preliminary analysis has determined wetlands to be present at the project site; however, extent of coverage and impacts is undetermined at this time pending wetland delineation.

MITIGATION: The applicant proposes to avoid direct impacts and minimize secondary impacts to wetlands to the maximum extent practicable. For compensation for unavoidable wetland impacts, the applicant proposes to use a Corps approved mitigation bank within the watershed of impact.

The comment period on the requested Department of the Army Permit will close **20** days from the date of this public notice. Written comments, including suggestions for modifications or objections to the proposed work, stating reasons thereof, are being solicited from anyone having interest in this permit request, and must be submitted so as to be received before or by the last day of the comment period. Letters and/or comments concerning the subject permit application must reference the Applicant's Name and the Permit Application Number and can be preferably emailed to the Corps of Engineer's project manager listed above or forwarded to the Corps of Engineers at the address above, ATTENTION: REGULATORY DIVISION, RGC, **Kenny Blanke**. Individuals or parties may request an extension of time in which to comment on the proposed work by writing or e-mailing the Corps of Engineers Project Manager listed above. Any request must be specific and substantively supportive of the requested extension and received by this office prior to the end of the initial comment period. The Branch Chief will review the request and the requestor will be promptly notified of the decision to grant or deny the request. If granted, the time extension will be continuous to the initial comment period and inclusive of the initial comment period, will not exceed a total of 30 calendar days. This public notice is also available for review online at <https://go.usa.gov/xennJ>

Corps of Engineers Permit Criteria

The decision whether to issue a permit will be based on an evaluation of the probable impacts, including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which reasonably may be expected to accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered including the cumulative effects thereof; among those are conservation, economics, aesthetics,

general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership and, in general, the needs and welfare of the people.

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

The New Orleans District is presently unaware of properties listed on the National Register of Historic Places at or near the proposed work but is pending further review in accordance with the National Historic Preservation Act. The possibility exists that the proposed work may damage or destroy presently unknown archeological, scientific, prehistorical, historical sites, or data. As deemed necessary, copies of this public notice will be sent to the State Archeologist, State Historic Preservation Officer, and federally listed tribes regarding potential impacts to cultural resources.

Our initial finding is that the proposed work would have no effect on any species listed as endangered by the U.S. Department of Commerce, nor affect any habitat designated as critical to the survival and recovery of any such species.

Based on the Information Planning and Consultation (IPaC) tool for Endangered Species in Louisiana, as signed on January 27, 2020, between the U.S. Army Corps of Engineers, New Orleans and the U.S. Fish and Wildlife Service, the Corps has determined that the proposed activity will have no effect on any known species.

This notice initiates the Essential Fish Habitat (EFH) consultation requirements of the Magnuson-Stevens Fishery Conservation and Management Act. The applicant's proposal may result in the destruction, alteration, and/or disturbance of **0** acres of EFH utilized by various life stages of red drum and penaeid shrimp. Our initial determination is that the proposed action would not have a substantial adverse impact on EFH or federally managed fisheries in the Gulf of Mexico. Our final determination relative to project impacts and the need for mitigation measures is subject to review by and coordination with the National Marine Fisheries Service.

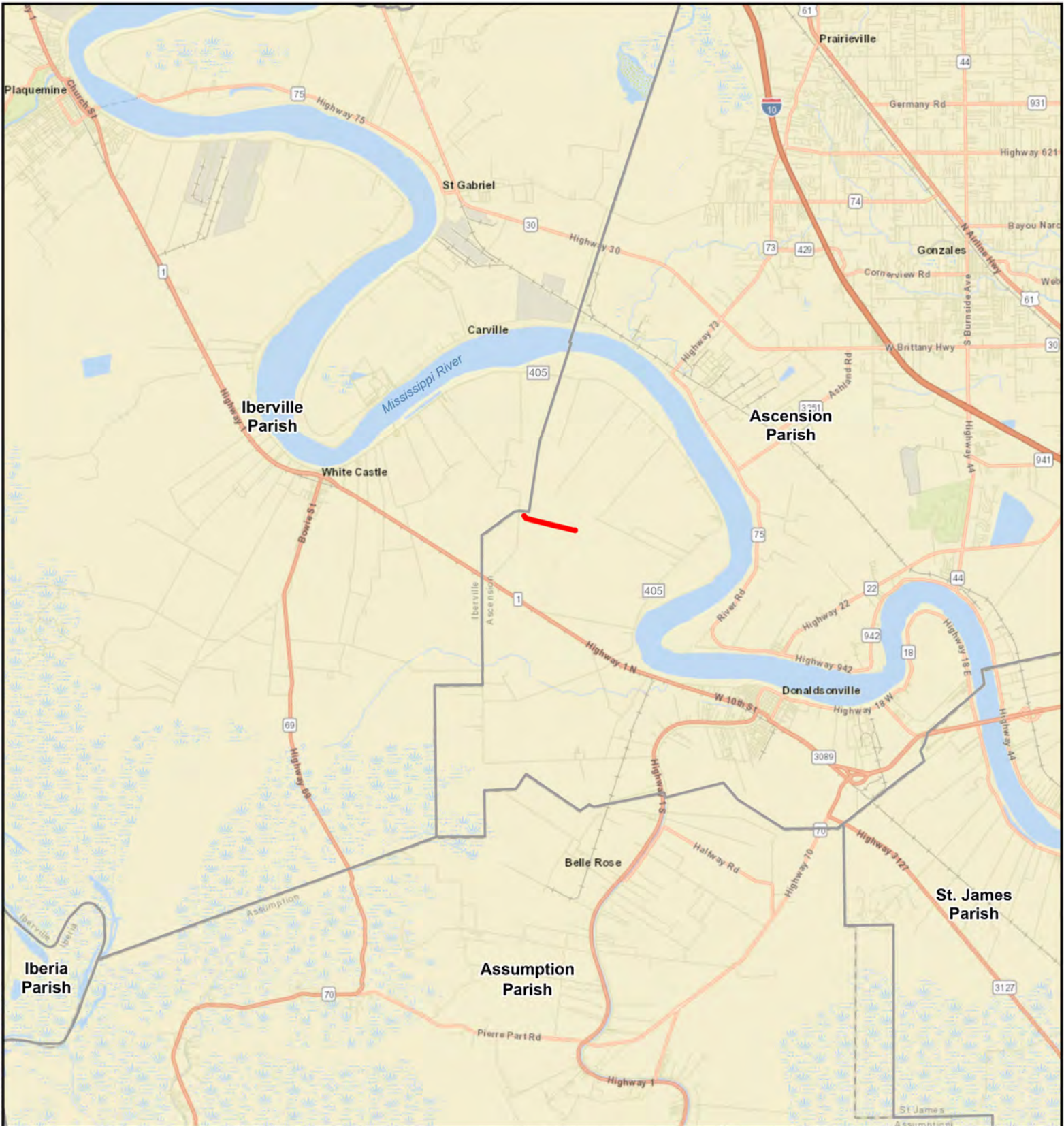
If the proposed work involves deposits of dredged or fill material into navigable waters, the evaluation of the probable impacts will include the application of guidelines established by the Administrator of the Environmental Protection Agency. Also, a certification that the proposed activity will not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

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

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

for John M. Herman
Chief, Central Evaluation Branch
Regulatory Division

Enclosures



Datum: NAD 1983
 Projection: StatePlane Louisiana South
 Units: Feet
 Basemap: ESRI Street Map 2023



- Proposed Alignment
- Parish Boundary

BGE BGE, Inc.
 10777 Westheimer, Suite 400, Houston TX 77042
 Tel: 281-558-8700 Fax: 281-558-9701

Figure 1: Vicinity Map
 PCN Supplemental Information
 Denbury Gulf Coast Pipelines, LLC
 CHW Lateral Pipeline Project
 Ascension and Iberville Parishes, Louisiana

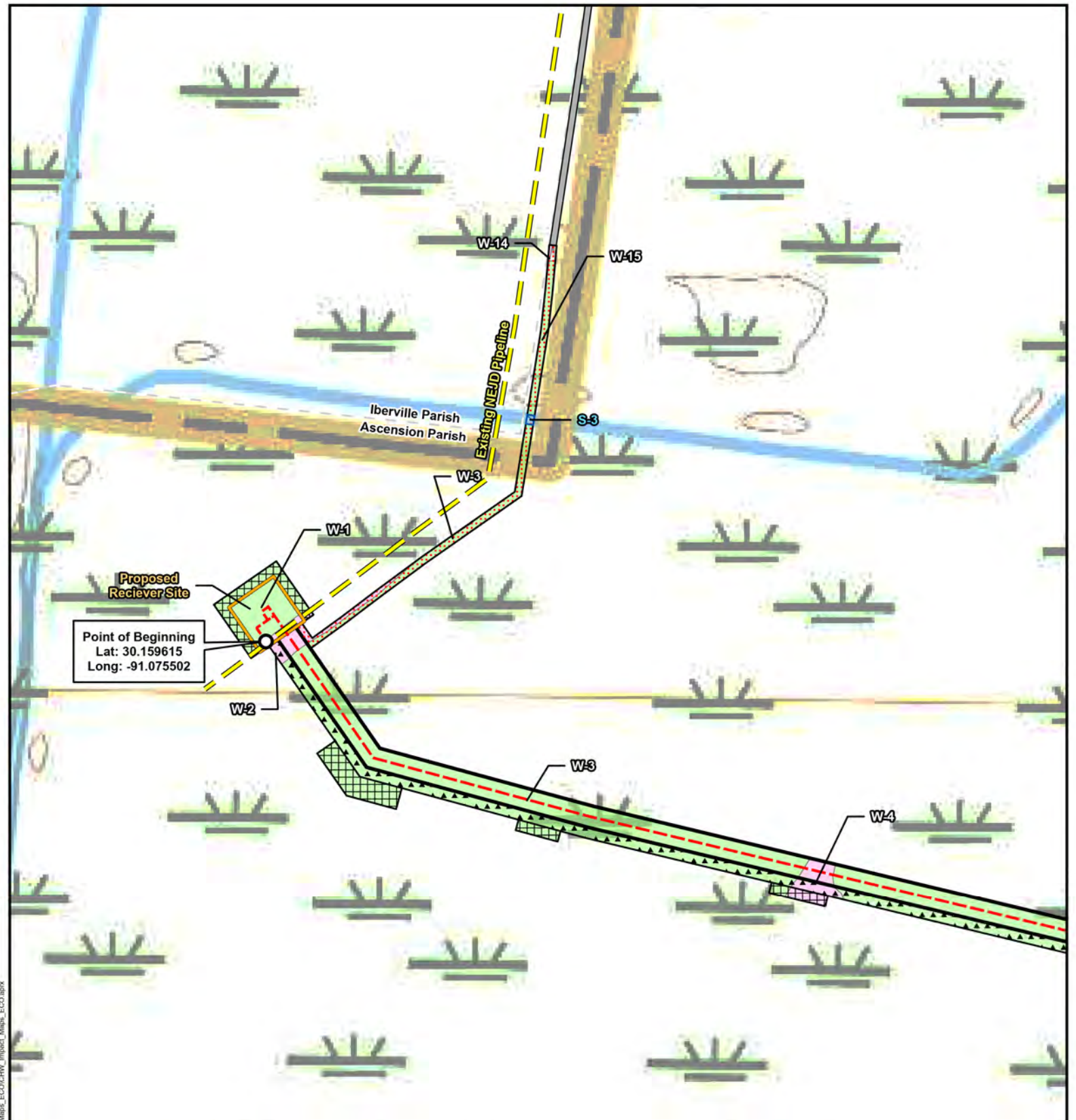
Prepared By: BGE

Scale: 1:200,000

Job No.: 11943-00

Date: Mar 08, 2024

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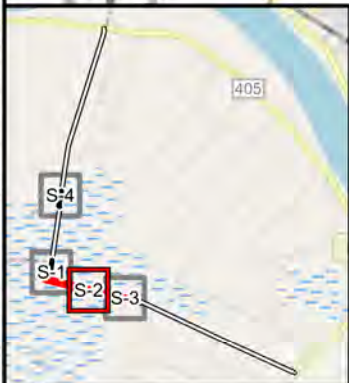
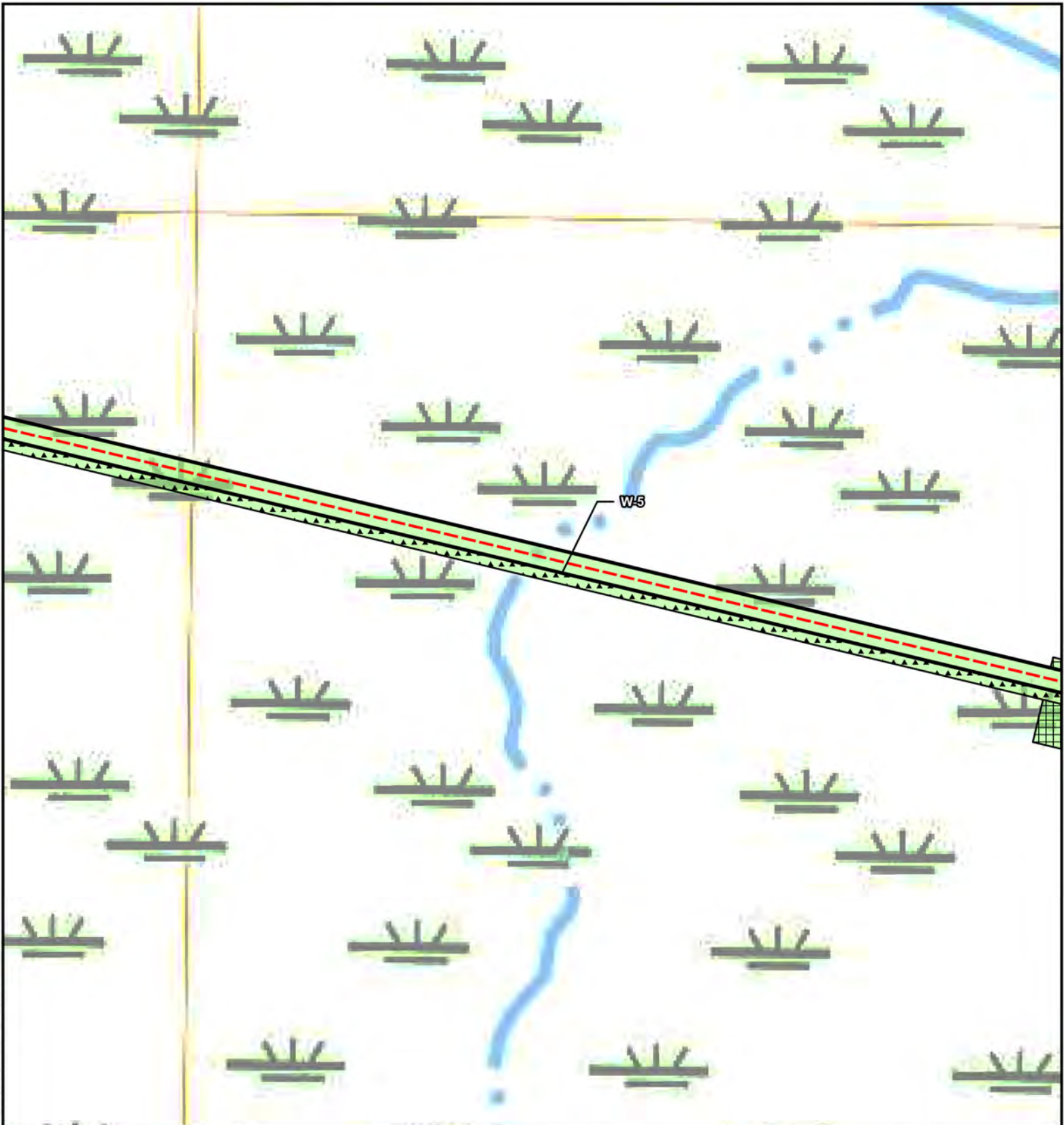
Datum: NAD 1983
 Projection: StatePlane Louisiana South
 Units: Feet
 Basemap: 2020 USGS 7.5 min Topographic Map: Carville, LA

0 150 300 Feet
 0 40 80 Meters

<ul style="list-style-type: none"> ⊕ HDD/Bore Entry/Exit --- Proposed Alignment --- Existing NEJD Pipeline Parish Boundary 	<p>Stream Type</p> <ul style="list-style-type: none"> Ephemeral Intermittent <p>Waterbody Type</p> <ul style="list-style-type: none"> PEM PFO1 	<p>Workspace Type</p> <ul style="list-style-type: none"> Permanent Easement Temporary Workspace Additional Temporary Workspace Permanent Facility Permanent Access Road Temporary Access Road Existing Access Road Proposed CHW Ascension Clean Energy Project (Approx.) (MVN-2023-00647-CQ)
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	<p>BGE, Inc. 10777 Westheimer, Suite 400, Houston TX 77042 Tel: 281-558-8700 Fax: 281-558-9701</p>
<p>Figure 2: USGS Topographic Mapbook PCN Supplemental Information Denbury Gulf Coast Pipelines, LLC CHW Lateral Pipeline Project Ascension and Iberville Parishes, Louisiana Sheet 1 of 4</p>	
Prepared By: BGE	Scale: 1:3,600
Job No.: 11943-00	Date: Mar 08, 2024

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Stream Type

- ▨ Ephemeral
- ▧ Intermittent

Waterbody Type

- PEM
- PFO1

Workspace Type

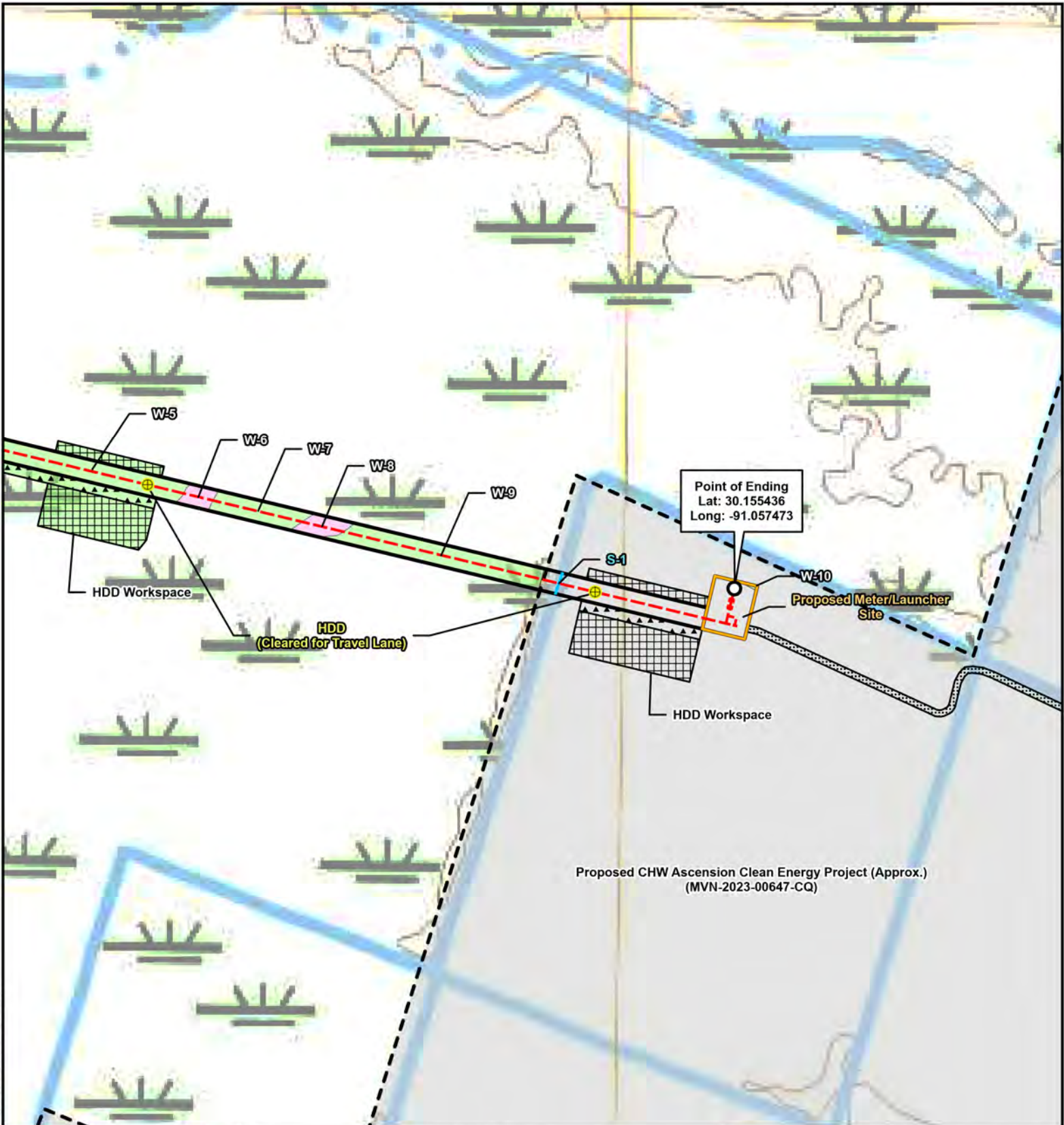
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 Sheet 2 of 4

Prepared By: BGE	Scale: 1:3,600
Job No.: 11943-00	Date: Mar 08, 2024

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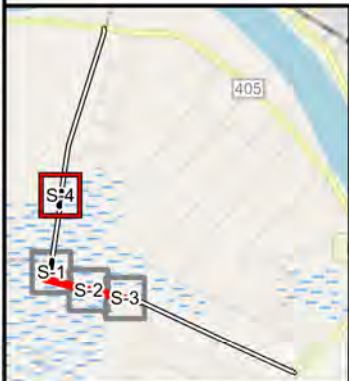
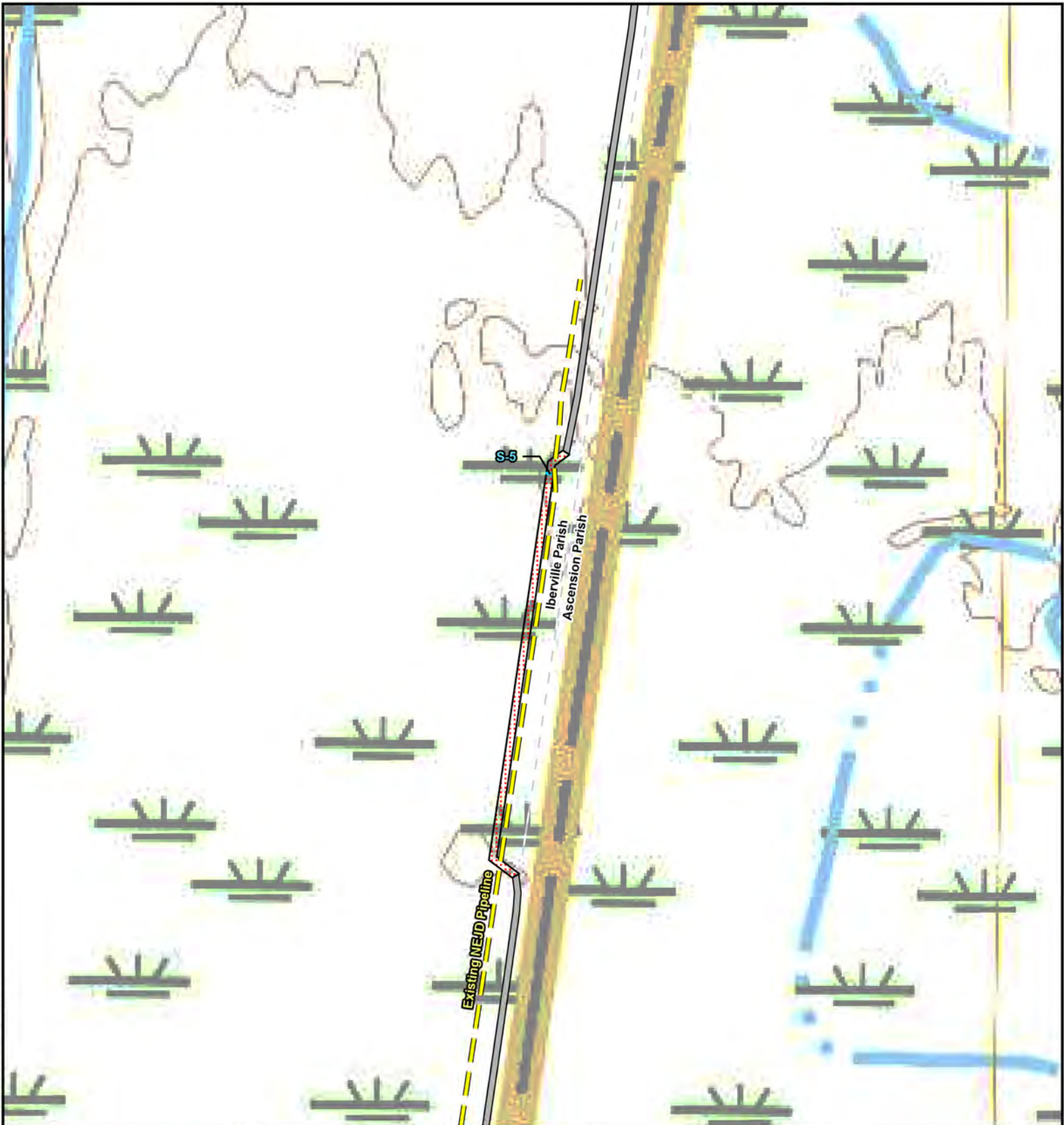
Proposed CHW Ascension Clean Energy Project (Approx.)
(MVN-2023-00647-CQ)



<p>Datum: NAD 1983 Projection: StatePlane Louisiana South Units: Feet Basemap: 2020 USGS 7.5 min Topographic Map: Carville, LA</p> <p>0 150 300 Feet</p> <p>0 40 80 Meters</p>	<ul style="list-style-type: none"> ⊕ HDD/Bore Entry/Exit --- Proposed Alignment --- Existing NEJD Pipeline --- Parish Boundary <p>Stream Type</p> <ul style="list-style-type: none"> Ephemeral Intermittent <p>Waterbody Type</p> <ul style="list-style-type: none"> PEM PFO1 	<p>Workspace Type</p> <ul style="list-style-type: none"> Permanent Easement Temporary Workspace Additional Temporary Workspace Permanent Facility Permanent Access Road Temporary Access Road Existing Access Road Proposed CHW Ascension Clean Energy Project (Approx.) (MVN-2023-00647-CQ)
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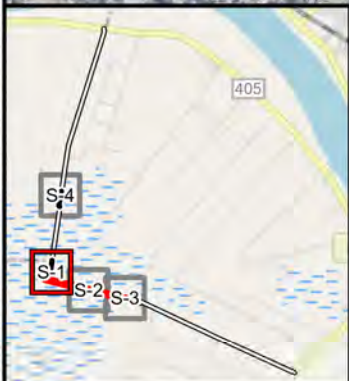
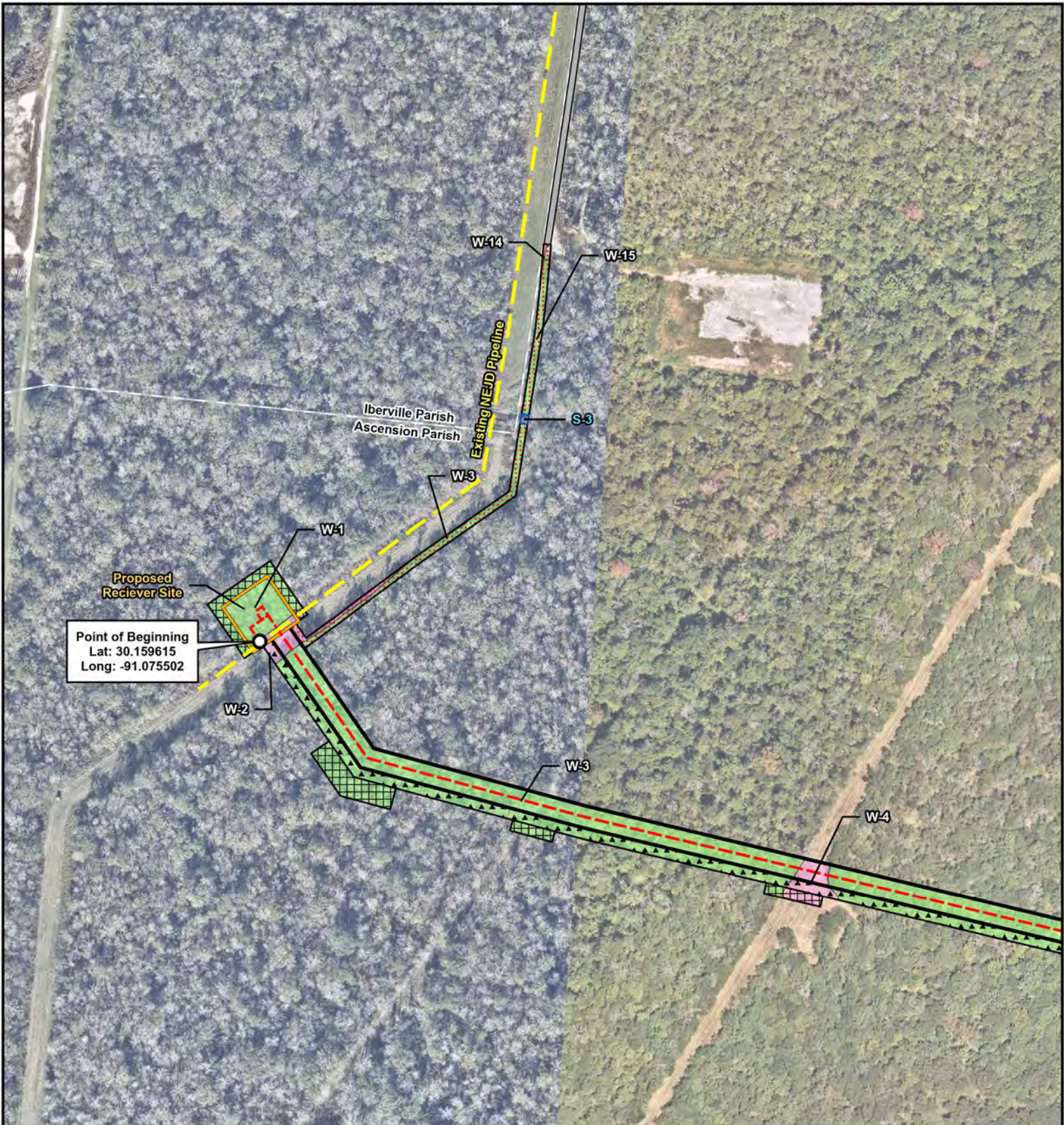
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Datum: NAD 1983
 Projection: StatePlane Louisiana South
 Units: Feet
 Basemap: Nearmap Imagery

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<p>Figure 3: Aerial Photography Mapbook PCN Supplemental Information Denbury Gulf Coast Pipelines, LLC CHW Lateral Pipeline Project Ascension and Iberville Parishes, Louisiana Sheet 1 of 4</p>	
Prepared By: BGE	Scale: 1:3,600
Job No.: 11943-00	Date: Mar 08, 2024

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Datum: NAD 1983
 Projection: StatePlane
 Louisiana South
 Units: Feet
 Basemap: Nearmap Imagery

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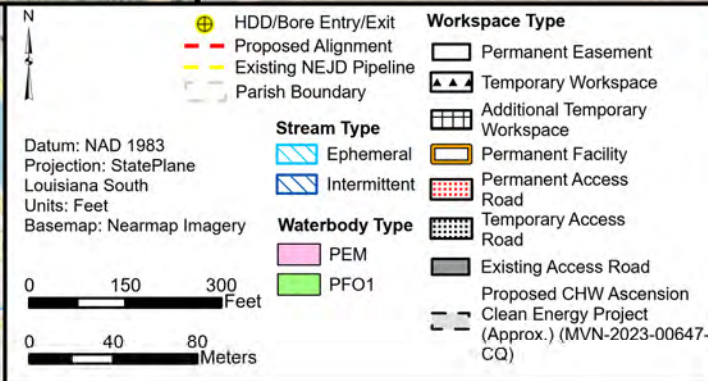
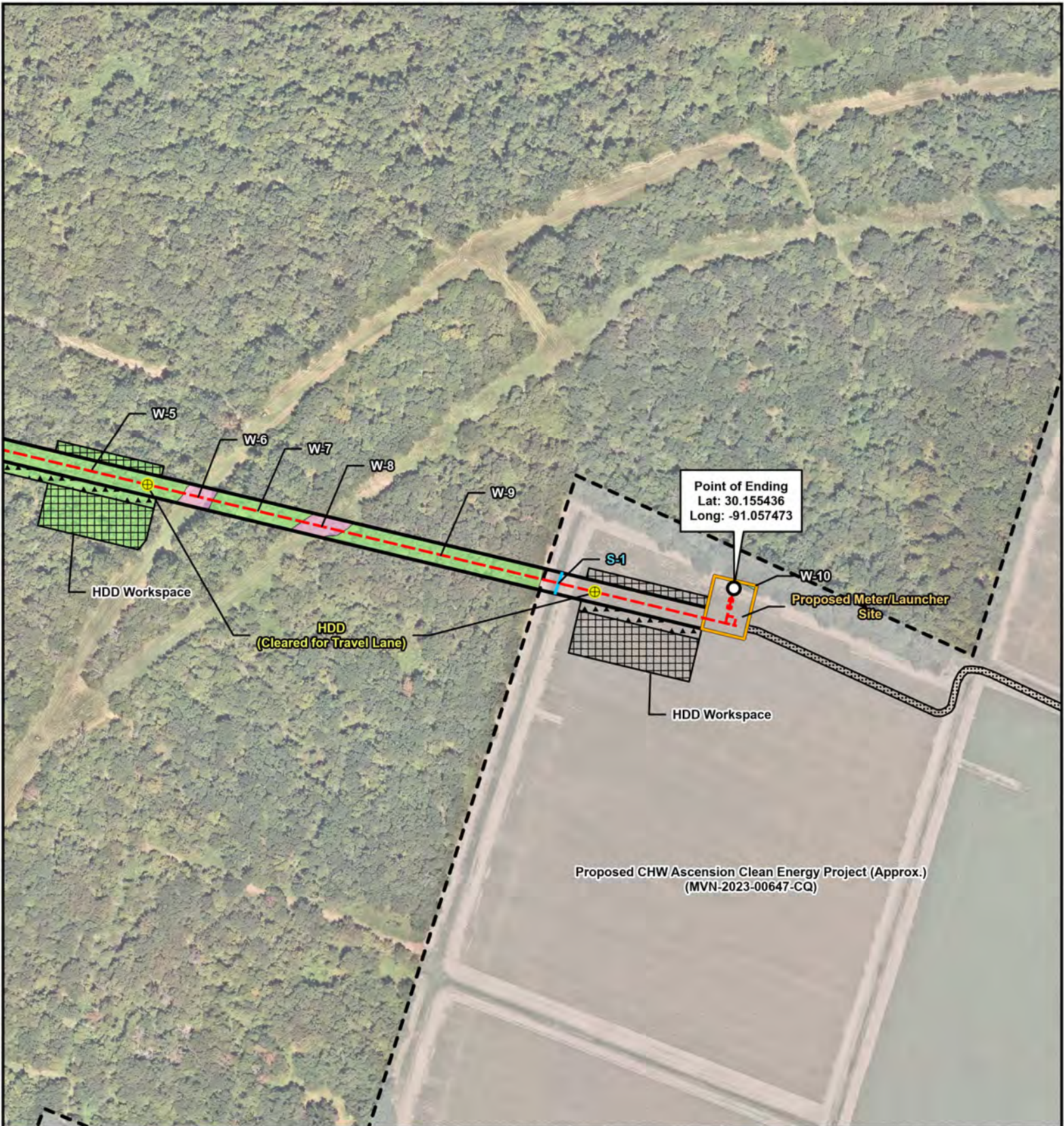
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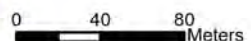
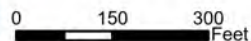


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Datum: NAD 1983
 Projection: StatePlane
 Louisiana South
 Units: Feet
 Basemap: Nearmap Imagery



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Waterbody Type

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Workspace Type

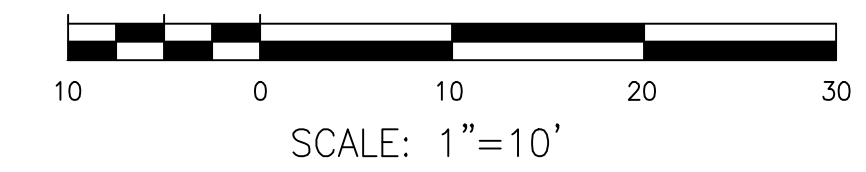
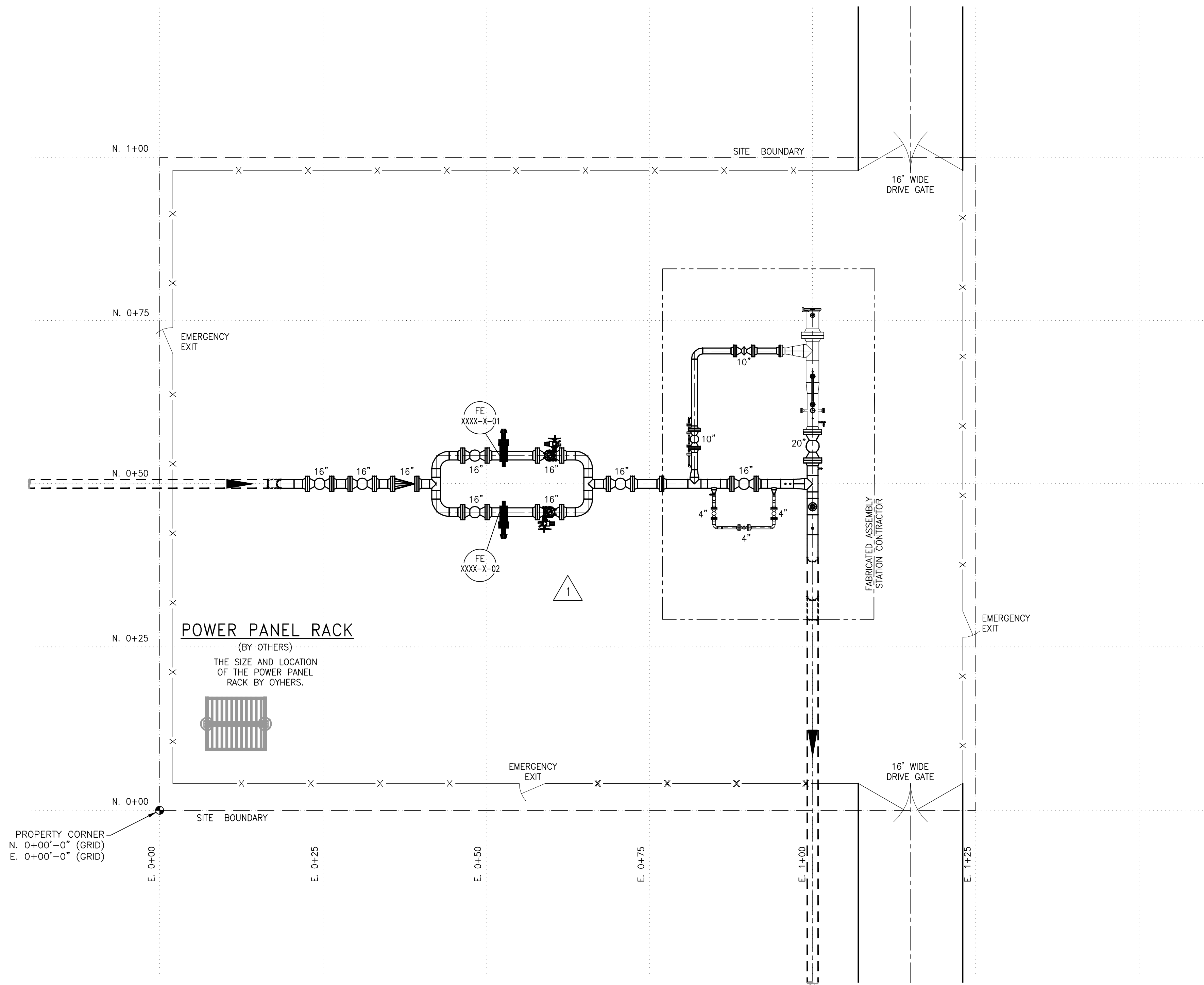
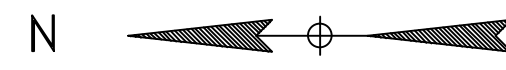
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 CHW Lateral Pipeline Project
 Ascension and Iberville Parishes, Louisiana
 Sheet 4 of 4

Prepared By: BGE
 Job No.: 11943-00

Scale: 1:3,600
 Date: Mar 08, 2024



NOTES:
 REVISION 1 WAS UPDATED IN ACCORDANCE WITH DENBURY
 PFD - TYP-INT-PFD.

Gulf Interstate Engineering Company ("GIE") accepts no liability or responsibility whatsoever for: (i) any use of or reliance upon this document for anything other than its intended use on the Project; (ii) its use by any third party; and, (iii) for any unauthorized changes to this document or its attachments. Copying this document without the permission of the Customer and GIE is not permitted.

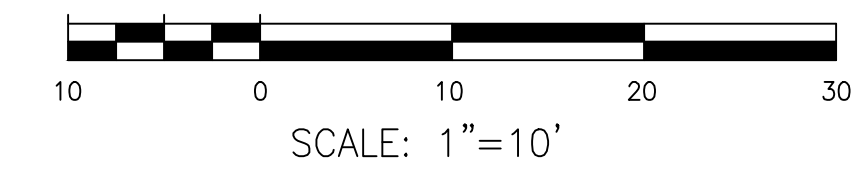
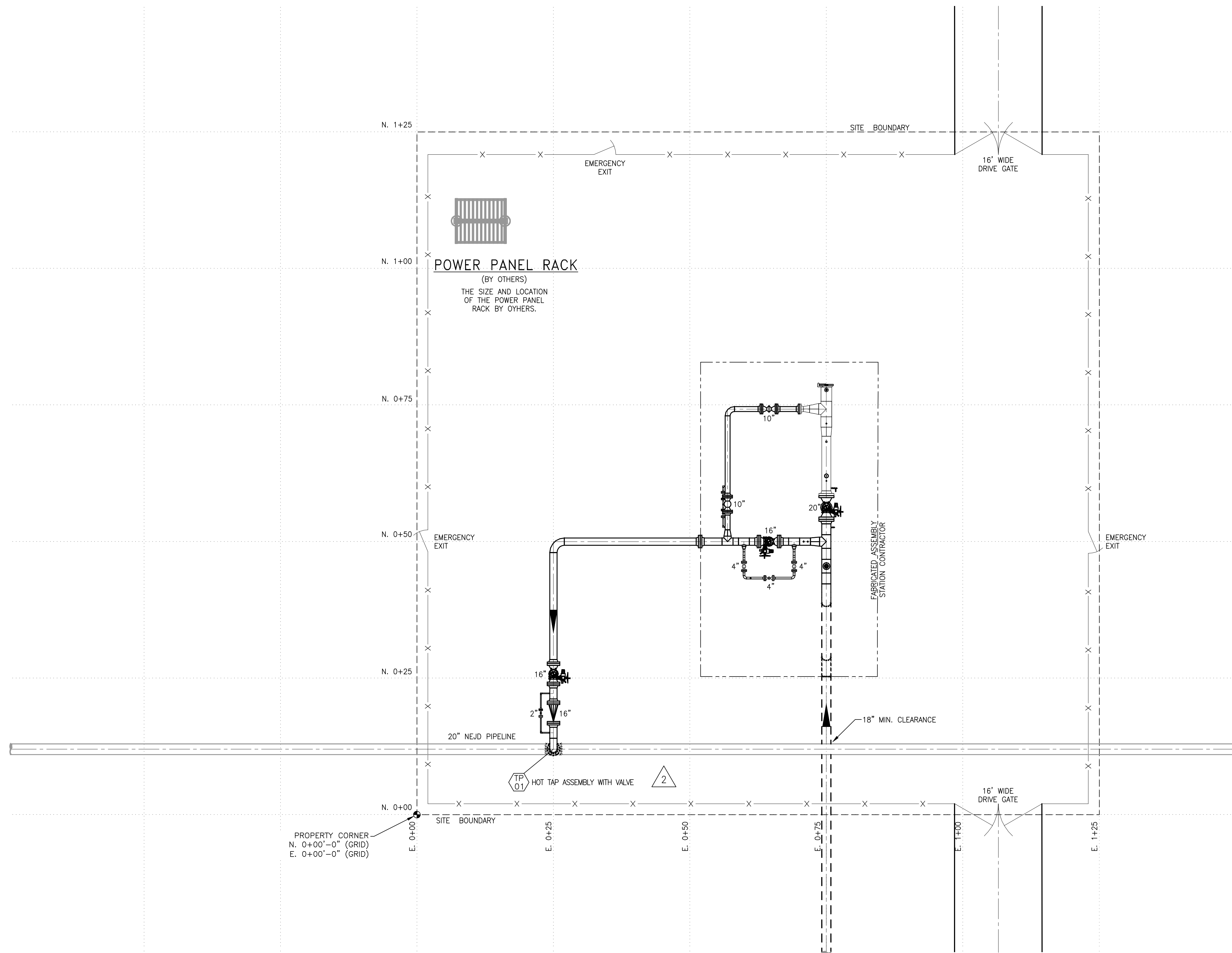
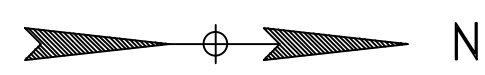
NO.	REVISION-DESCRIPTION	BY	DATE	CHK'D	APP'D	APP'D
1	ISSUED FOR FEED	RS	06 OCT 2023	DJ	GJ	DA
0	ISSUED FOR FEED	LBT	21 AUG 2023	DJ	GJ	DA

GULF INTERSTATE ENGINEERING TEXAS REGISTERED ENGINEERING FIRM F-2830	
DWN. BY: SSB	DATE: 3 AUG 2022
CHK. BY: DJ	
DISC. ENGR: GJ	
PROJ. MGR: DA	
CLIENT APP:	
SCALE: 1"=10'-0"	



DENBURY
 PLOT/KEY PLAN
 CHW LATERAL PROJECT
 LAUNCHER AREA

AFE No.	DWG. NO: 2018-000-PL-DWG-001	REV: 1
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NOTES:

REVISION 1 WAS UPDATED TO INCREASE AREA SIZE 125' X 125'.
 REVISION 2 WAS UPDATED IN ACCORDANCE WITH DENBURY
 PFD - TYP-INT-PFD.

Gulf Interstate Engineering Company ("GIE") accepts no liability or responsibility whatsoever for: (i) any use of or reliance upon this document for anything other than its intended use on the Project; (ii) its use by any third party; and, (iii) for any unauthorized changes to this document or its attachments. Copying this document without the permission of the Customer and GIE is not permitted.

NO.	REVISION-DESCRIPTION	BY	DATE	CHK'D	APP'D	APP'D
2	ISSUED FOR FEED	RS	06 OCT 2023	DJ	GJ	DA
1	ISSUED FOR FEED	RER	14 SEP 2023	DJ	GJ	DA
0	ISSUED FOR FEED	LBT	21 AUG 2023	DJ	GJ	DA



DWN. BY: SSB DATE: 3 AUG 2022
 CHK. BY: DJ
 DISC. ENGR: GJ
 PROJ. MGR: DA
 CLIENT APP:



DENBURY
 PLOT/KEY PLAN
 CHW LATERAL PROJECT
 RECEIVER AREA

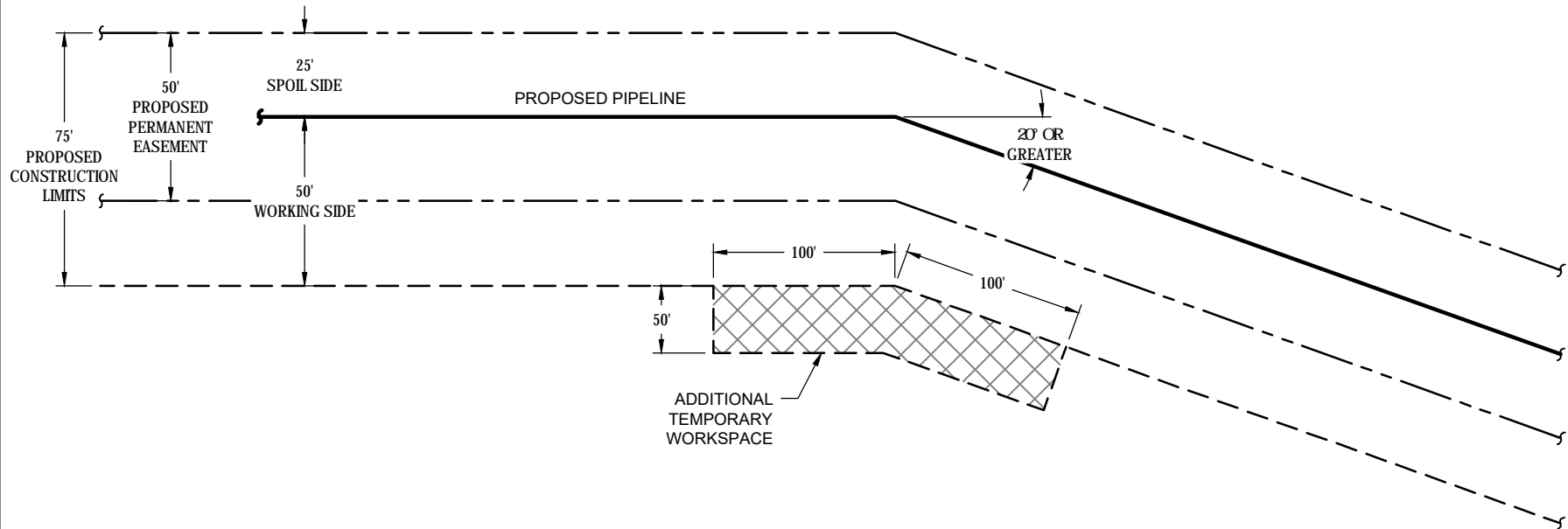
SCALE: 1"=10'-0"

AFE No.

DWG. NO: 2018-000-PL-DWG-0002

REV: 2

TYPICAL ROW
WETLAND AREAS



NOT TO SCALE

FILENAME: P:\2018\DOC\ENGINEERING & TECHNICAL\10_PIPELINE\MAPPING\TYPICALS\2018-000-PL-DWG-0011.DWG



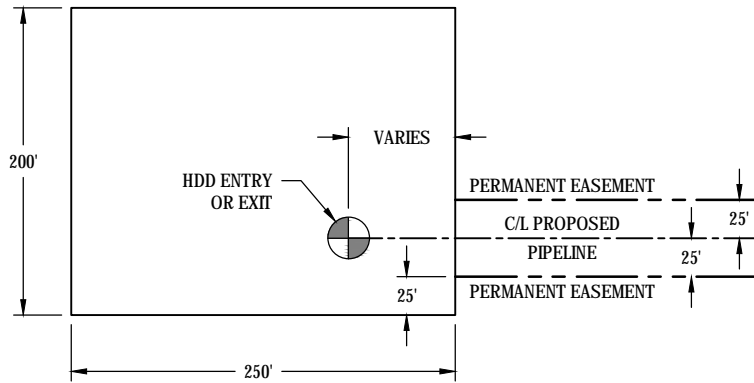
Note:
The contents of these plans are intended exclusively for the purpose of obtaining environmental compliance permits

ENVIRONMENTAL
TYPICAL
DRAWING

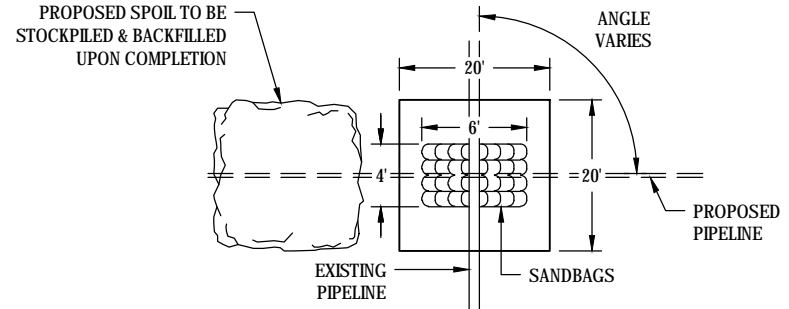


DENBURY GULF COAST PIPELINES, LLC
PROPOSED CHW LATERAL PIPELINE PROJECT
ASCENSION AND IBERVILLE PARISHES, LOUISIANA

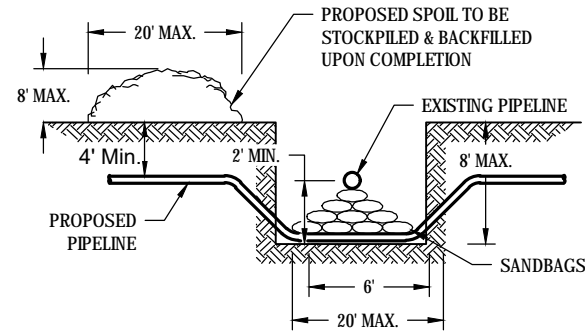
DRAWN BY: RER	REVISIONS		
PROJ. MGR: OH	A	DATE: 03/05/2024	REVISED BY: RER
DATE: 03/05/2024	B	DATE: 03/07/2024	REVISED BY: RER
DOC. NO.: 2018-000-PL-DWG-0011			



TYPICAL HDD WORKSITE
NOT TO SCALE



PLAN VIEW
NOT TO SCALE



TYPICAL PIPELINE CROSSING
NOT TO SCALE

NOTE: A MAXIMUM OF 119 CUBIC YARDS OF MATERIAL WILL BE EXCAVATED AND REPLACED AS PART OF THE ACTIVITY SHOWN ON THIS TYPICAL DRAWING AND IS INCLUDED IN THE TOTAL VOLUME OF MATERIAL SHOWN ON THE APPLICATION.



Note:
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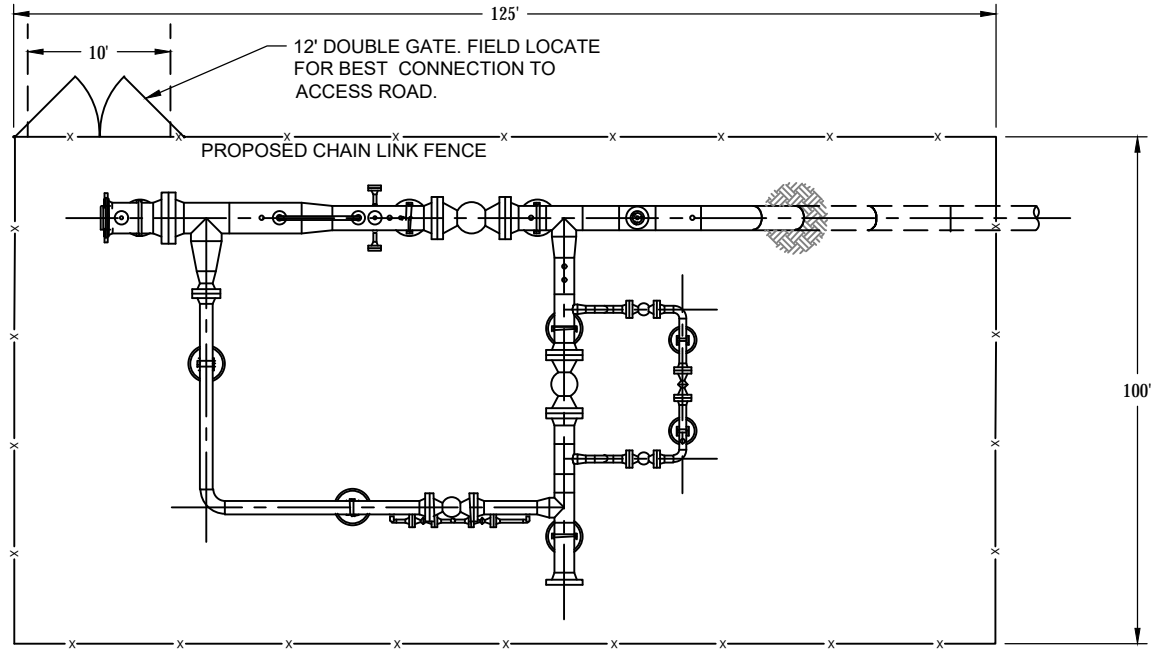
ENVIRONMENTAL
TYPICAL
DRAWING



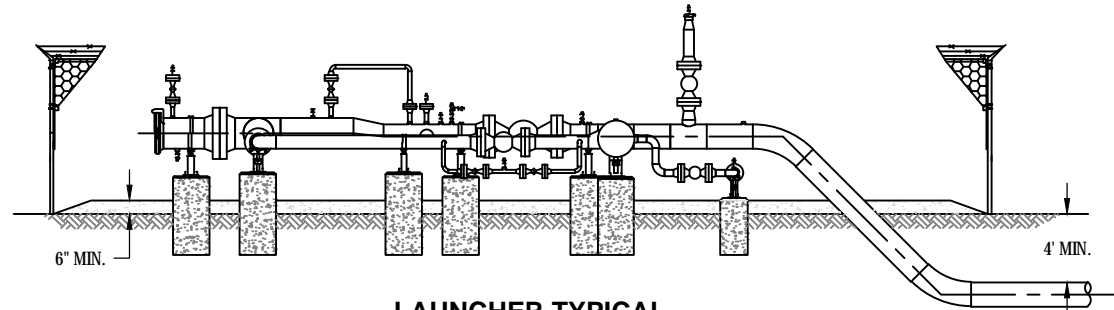
DENBURY GULF COAST PIPELINES, LLC
PROPOSED CHW LATERAL PIPELINE PROJECT
ASCENSION AND IBERVILLE PARISHES, LOUISIANA

DRAWN BY: RER	REVISIONS		
PROJ. MGR: OH	A	DATE: 03/05/2024	REVISED BY: RER
DATE: 03/05/2024	B	DATE: 03/07/2024	REVISED BY: RER
DOC. NO.: 2018-000-PL-DWG-0012			

FILENAME: P:\2018\DOC\ENGINEERING & TECHNICAL\10_PIPELINE\MAPPING\TYPICAL\2018-000-PL-DWG-0012.DWG



PLAN VIEW
NOT TO SCALE



LAUNCHER TYPICAL PROFILE VIEW
NOT TO SCALE

DENBURY GULF COAST PIPELINES, LLC
PROPOSED CHW LATERAL PIPELINE PROJECT
ASCENSION AND IBERVILLE PARISHES, LOUISIANA

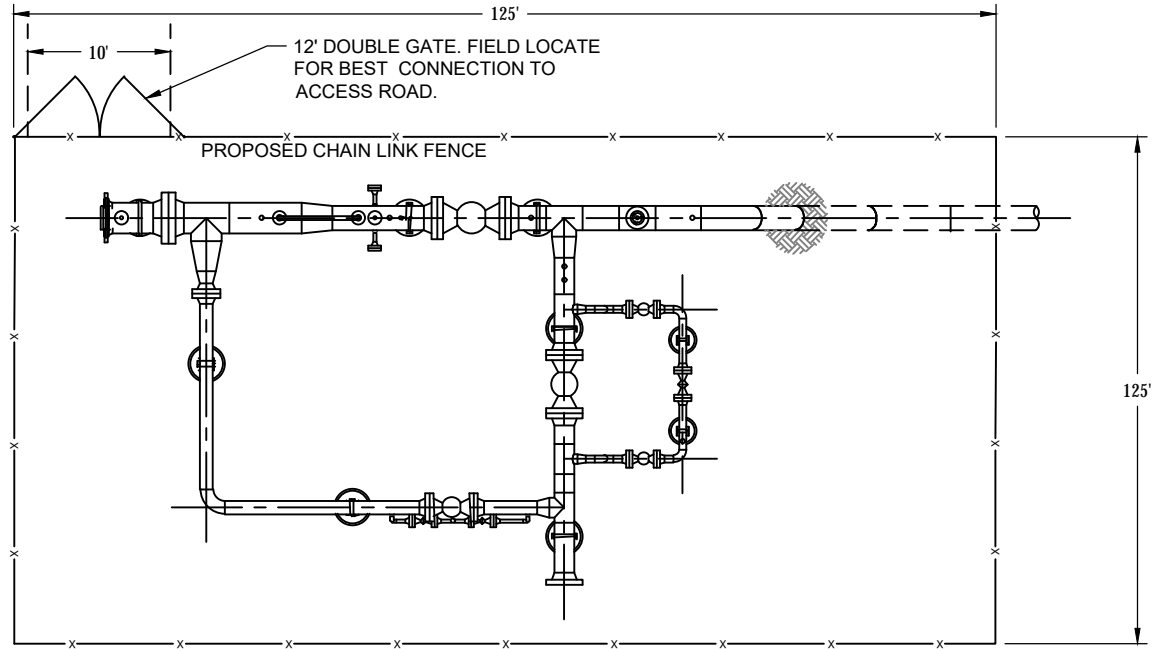


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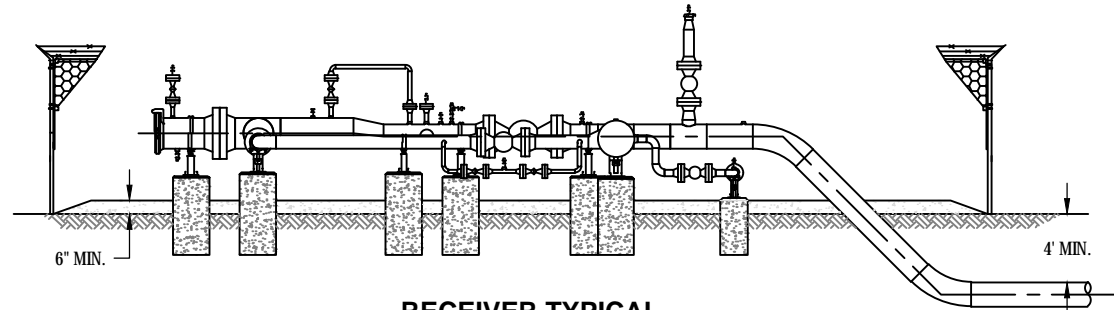
ENVIRONMENTAL TYPICAL DRAWING



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PLAN VIEW
NOT TO SCALE



RECEIVER TYPICAL PROFILE VIEW
NOT TO SCALE

DENBURY GULF COAST PIPELINES, LLC
PROPOSED CHW LATERAL PIPELINE PROJECT
ASCENSION AND IBERVILLE PARISHES, LOUISIANA

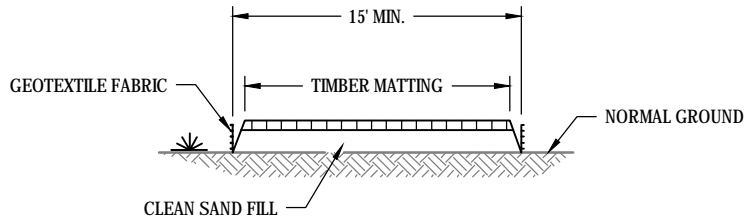


Note:
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ENVIRONMENTAL TYPICAL DRAWING

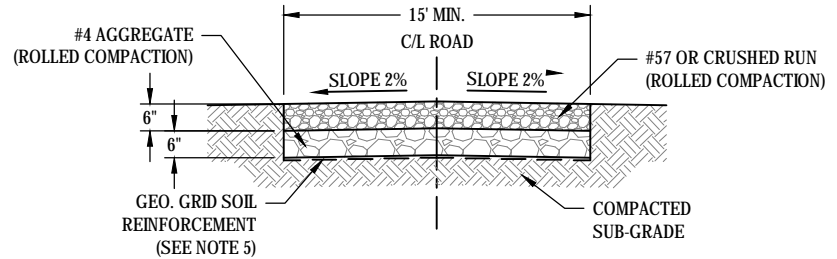


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TYPICAL TEMPORARY ACCESS ROAD SECTION

NOT TO SCALE



TYPICAL PERMANENT ACCESS ROAD SECTION

NOT TO SCALE

NOTES:

1. USE SELECTED SALVAGE TOP SOIL MATERIAL.
2. 6" THICKNESS CRUSHED ROCK "AGGREGATE" SURFACE COURSE W/ MAX AGGREGATE SIZE OF 3/4".
3. 6" THICKNESS (COMPACTED TO 95% OF MODIFIED PROCTOR DENSITY, ASTM D1557) CRUSHED ROCK "AGGREGATE" BASE MATERIAL (AASHTO #4 OR EQUIVALENT).
4. REMOVE ALL VEGETATION AND TOP SOIL. IF SOFT SOIL IS ENCOUNTERED IN THE SUBGRADE, REPLACE WITH SANDY SOIL. REWORK AND COMPACT 2.0 FT. THICK MINIMUM OF SANDY SOILS TO 95% OF MODIFIED PROCTOR DENSITY IN MAXIMUM OF 8" LIFTS.
5. GEOSYNTHETIC SOIL REINFORCEMENT (TYPAR 3401 OR EQUIVALENT).

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ENVIRONMENTAL
TYPICAL
DRAWING

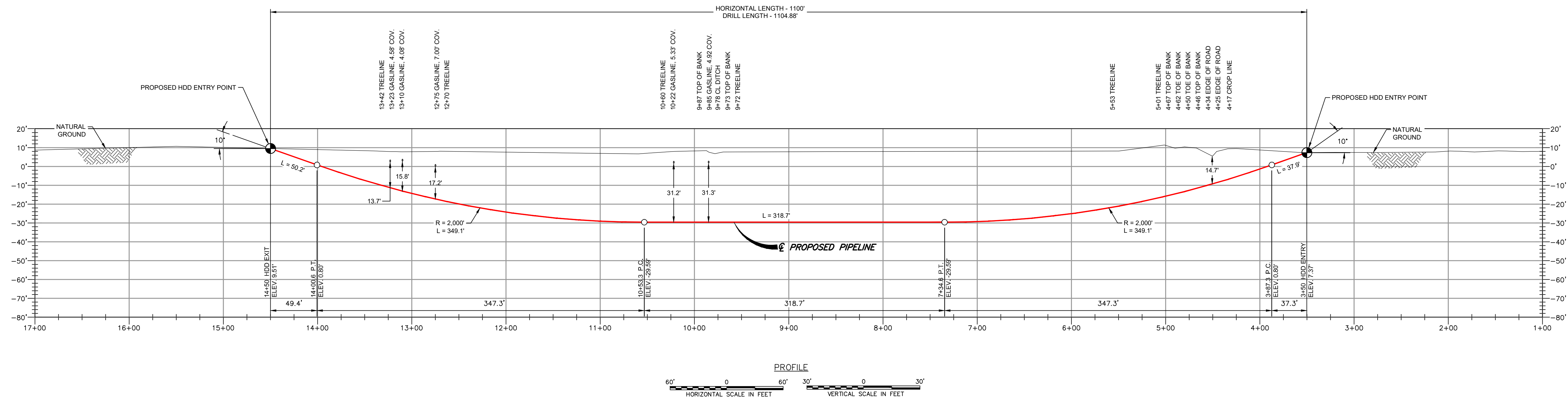


DENBURY GULF COAST PIPELINES, LLC
PROPOSED CHW LATERAL PIPELINE PROJECT
ASCENSION AND IBERVILLE PARISHES, LOUISIANA

DRAWN BY: RER	REVISIONS		
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PLAN
SCALE IN FEET



PROFILE
HORIZONTAL SCALE IN FEET VERTICAL SCALE IN FEET

DESIGN DATA
 DESIGN CODE: 49 CFR 195, ASME B 31.4
 PIPE: 20" 00" OD, 0.526" MIN. WT, API-5L, PSL 2, GR. X-70, PSL-2, FBE COATED 14-16 MILS, DUAL COAT ARO 30-40 MILS, DOUBLE RANDOM LENGTH
 MAOP = 2,207 PSIG
 SERVICE: CO2

- GENERAL NOTES
- THIS DRAWING IS NOT FOR CONSTRUCTION. THE PROFILE DRAWING IS PRELIMINARY IN NATURE AND IT IS FOR INFORMATION ONLY.
 - GEOTECHNICAL INVESTIGATION / BORING IS TO BE PERFORMED PRIOR TO CONSTRUCTION.
 - CONTRACTOR SHALL ACTIVELY MONITOR THE DRILLED ALIGNMENT FOR IMPACTS THAT COULD OCCUR AS A RESULT OF HDD OPERATIONS (I.E. SETTLEMENT, HEAVE, AND DRILLING FLUID FLOW). CONTRACTOR'S MONITORING PROCEDURES AND ASSOCIATED EMERGENCY RESPONSE PLANS SHALL BE APPROPRIATE TO ENSURE THAT PUBLIC SAFETY IS NOT COMPROMISED.
 - PLACEMENT OF HORIZONTAL DRILLING RIG IS NOT FIXED BY DESIGNATION OF ENTRY AND EXIT POINTS. DRILLING RIG PLACEMENT AND / OR THE USE OF DUAL RIGS SHALL BE AT CONTRACTOR'S OPTION.
 - WORK WILL BE CONDUCTED IN COMPLIANCE WITH THE TERMS AND CONDITIONS OF PENDING GENERAL PERMIT NUMBER.
 - ALL DEPTHS AND LENGTHS TO BE DETERMINED BY FIELD CONDITIONS AND CROSSING REQUIREMENTS AT EACH HDD LOCATION.
 - ELEVATIONS SHOWN FOR REPRESENTATION ONLY. ACTUAL ELEVATIONS TO BE DETERMINED IN THE FIELD.
 - NO ADDITIVES SHALL BE ADDED TO THE DRILLING FLUID WITHOUT APPROVAL OF THE COMPANY. FRAC OUT PLAN REQUIRED BEFORE DRILLING STARTS.
 - CONTRACTOR SHALL ADHERE TO THE SPECIFICATIONS AND REQUIREMENTS PER DENBURY GULF COAST PIPELINES, LLC, SPECIFICATIONS, CONTRACT DOCUMENTS AND SPECIAL PERMIT CONDITIONS, EXCEPT AS NOTED ON THIS DRAWING.
 - CONTRACTOR IS RESPONSIBLE FOR CALLING LOUISIANA STATE ONE CALL AND LOCATING ALL UNDERGROUND UTILITIES PRIOR TO BEGINNING CONSTRUCTION. IF ANY UTILITY IS LOCATED WITHIN 15 FEET OF THE DESIGNED HDD PROFILE AND ALIGNMENT, CONTRACTOR SHALL OBTAIN APPROVAL FROM DENBURY GULF COAST PIPELINES, LLC PRIOR TO INITIATING HDD OPERATIONS.
 - IT IS THE CONTRACTOR'S RESPONSIBILITY TO IDENTIFY AND PROTECT ANY FOREIGN UTILITY THAT MAY BE AFFECTED BY THE HDD OPERATIONS.
 - THE USE OF DUAL HDD RIGS DURING CONSTRUCTION MAY BE AT THE DISCRETION OF THE HDD CONTRACTOR, TO BE APPROVED

- BY THE DENBURY GULF COAST PIPELINES, LLC.
- ALL EQUIPMENT MUST ACCESS THE SITE ALONG THE CONSTRUCTION RIGHT-OF-WAY OR FROM APPROVED ACCESS ROADS.
 - WORKSPACE: MAXIMUM WORKSPACE LIMITS ARE DEPICTED. RESTRICT CLEARING TO THE WORKSPACE INDICATED AT THE ENTRY AND EXIT POINTS AND PRODUCT PIPE STRINGING AND FABRICATION AREA ALONG THE CONSTRUCTION RIGHT-OF-WAY. CLEARING BETWEEN THE ENTRY AND EXIT WORKSPACES REQUIRES PRIOR APPROVAL FROM THE ENVIRONMENTAL INSPECTOR AND IS LIMITED TO THE AMOUNT NECESSARY TO STRING SURVEY WIRES AND INSTALL PUMPS AND PIPING TO OBTAIN WATER (WHERE APPROVED).
 - WATER SOURCE: DRILL WATER AND HYDROSTATIC TEST WATER SHALL BE OBTAINED FROM AN APPROVED SOURCE.
 - HYDROSTATIC TEST: PRE-INSTALLATION AND POST-INSTALLATION HYDROSTATIC TESTS SHALL BE CONDUCTED IN ACCORDANCE WITH THE HYDROSTATIC TEST PLAN. TEST WATER SHALL BE SAMPLED AND TESTED IN ACCORDANCE WITH PERMIT REQUIREMENTS. THE TEST WATER SHALL BE DISCHARGED IN AN UPLAND AREA INTO AN EROSION CONTROL STRUCTURE OF STRAW BALES AND/OR SILT FENCES, GEOTEXTILE FILTER BAG, OR COLLECTED IN A TRUCK AND HAULED TO AN APPROVED DISPOSAL SITE. UPON COMPLETION OF DEWATERING AND DRYING, A CALIPER PIG SURVEY SHALL BE COMPLETED IN ACCORDANCE WITH THE CONTRACT DOCUMENT.
 - SPILL PREVENTION: REFUELING OF ALL EQUIPMENT SHALL BE COMPLETED IN ACCORDANCE WITH THE SPCC PLAN.
 - EROSION AND SEDIMENT CONTROL: CONTRACTOR SHALL SUPPLY, INSTALL AND MAINTAIN SEDIMENT CONTROL STRUCTURES IN ACCORDANCE WITH CONTRACT DOCUMENTS. CONTRACTOR SHALL INSTALL ADDITIONAL EROSION CONTROL STRUCTURES AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.
 - CONTRACTOR SHALL CONDUCT WORK IN ACCORDANCE WITH UNITED STATES ARMY CORPS OF ENGINEERS, LOCAL LEVEE DISTRICT AND ALL RELEVANT AGENCY PERMIT REQUIREMENTS.
 - INSTALLATION: THE PIPE SECTION FOR THE DRILLED CROSSING SHALL BE MADE UP WITHIN THE APPROVED CONSTRUCTION RIGHT-OF-WAY AT THE DRILL EXIT POINT AS SHOWN. AFTER THE PILOT HOLE IS COMPLETE, CONTRACTOR'S ACTUAL DRILL PROFILE SHALL BE SUBMITTED TO DENBURY GULF COAST PIPELINES, LLC, FOR APPROVAL. CONTRACTOR SHALL ASSESS THE NEED FOR AND SUPPLY APPROPRIATE BALLAST DURING PULLBACK.
 - DRILLING FLUID DISPOSAL: CONTRACTOR SHALL DISPOSE OF EXCESS DRILLING FLUID AS DIRECTED BY THE DENBURY GULF COAST PIPELINES, LLC REPRESENTATIVE IN ACCORDANCE WITH PERMIT CONDITIONS. UNDER NO CIRCUMSTANCES SHALL DRILLING FLUID BE DISPOSED OF IN WATER BODIES OR WETLANDS. ANY DRILLING FLUID WHICH INADVERTENTLY SURFACES AT POINTS OTHER THAN THE ENTRY OR EXIT POINTS SHALL BE CONTAINED AND COLLECTED TO THE EXTENT PRACTICAL AND DISPOSED OF AS

- DIRECTED BY THE DENBURY GULF COAST PIPELINES, LLC REPRESENTATIVE IN ACCORDANCE WITH PERMIT CONDITIONS.
- CLEANUP/STABILIZATION/RESTORATION: ALL DISTURBED AREAS SHALL BE RETURNED TO THE ORIGINAL CONTOURS. DISTURBED AREAS SHALL BE SEED AS SPECIFIED IN THE CLEAN-UP AND RESTORATION REQUIREMENTS. IF THE TERRAIN ALLOWS AND ACCESS IS PERMITTED, CONTRACTOR SHALL UTILIZE LOW GROUND PRESSURE EQUIPMENT OR OTHER EQUIPMENT APPROVED BY OWNER, TO FACILITATE CONTAINMENT AND CLEAN-UP OF ANY INADVERTENT RETURNS THAT OCCUR DURING THE HDD INSTALLATION PROCESS.

- PROTECTION OF EXISTING FACILITIES
 CONTRACTOR SHALL UNDERTAKE THE FOLLOWING STEPS PRIOR TO COMMENCING DRILLING OPERATIONS.
- CONTACT THE UTILITY LOCATION / NOTIFICATION SERVICE FOR THE CONSTRUCTION AREA.
 - POSITIVELY LOCATE AND STAKE ALL EXISTING UNDERGROUND FACILITIES. ANY FACILITIES LOCATED WITHIN 10 FEET OF THE DESIGNED DRILL PATH SHALL BE EXPOSED.
 - MODIFY DRILLING PRACTICES AND DOWNHOLE ASSEMBLIES AS NECESSARY TO PREVENT DAMAGE TO EXISTING FACILITIES.

- TOPOGRAPHIC SURVEY NOTES
- TOPOGRAPHIC SURVEY DATA PROVIDED BY GULF INTERSTATE ENGINEERING
 - ELEVATIONS, NORTHINGS AND EASTINGS ARE IN U.S. SURVEY FEET REFERENCED LOUISIANA STATE PLANE WITH NAD83 HORIZONTAL DATUM, NAVD 1988 VERTICAL DATUM, SOUTH ZONE; CENTRAL MERIDIAN 93D W (LA83-SF-MOD)

- DRILLED PATH NOTES
- DRILLED PATH STATIONING IS IN FEET BY HORIZONTAL MEASUREMENT AND IS REFERENCED TO CONTROL ESTABLISHED FOR THE DRILLED SEGMENT.
 - DRILLED PATH COORDINATES REFER TO CENTERLINE OF PILOT HOLE AS OPPOSED TO TOP OF INSTALLED PIPE.
 - PRIOR TO REAMING/PULLBACK, THE CONTRACTOR SHALL SUBMIT AS-DRILLED DATA AND CALCULATED LOCATION TO THE COMPANY FOR APPROVAL OF THE PILOT HOLE.

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				ENGINEERING APPROVALS DRAWN BY: RER BID CONSTRUCTION PROJECT MANAGER AA AA DESIGN ENGINEER GJ GJ DESIGN CHECKER PJ PJ				20" CHW PIPELINE HORIZONTAL DIRECTIONAL DRILL PLAN & PROFILE					
		ISSUED FOR CLIENT REVIEW (03/07/2024) ISSUED FOR INTERNAL REVIEW (03/04/2024)						LOC.					
DWG. NO.	REFERENCE DWG.	REV	DSN	CK	DESCRIPTION				YEAR:	W.O.	SCALE: NOTED	DWG. 2018-100-PL-DWG-0009	REV. B