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

JOINT PUBLIC NOTICE

June 29, 2020

United States Army Corps of Engineers
New Orleans District
Regulatory Branch
7400 Leake Avenue
New Orleans, Louisiana 70118-3651

(504) 862-1879
Project Manager
James W. Little, Jr.
james.little@usace.army.mil
Permit Application Number
MVN-2018-1417-WII

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

(225) 219-3225
Project Manager
Elizabeth Hill
elizabeth.hill@la.gov
WQC Application Number
WQC 200610-01

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

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

PROPOSED NATURAL GAS PIPELINE IN RED RIVER, DESOTO, SABINE, VERNON, BEAUREGARD, AND CALCASIEU PARISHES

NAME OF APPLICANT: Enable Gulf Run Transmission, LLC, c/o SWCA Environmental Consultants, Attn: Mr. Scott Urwick, 10245 West Little York Road, Suite 600, Houston, Texas 77040

LOCATION OF WORK: The proposed 134-mile pipeline project is located within the Fort Worth, Vicksburg, New Orleans, and Galveston Districts, and begins at Lat. 32.198337, Long. -93.484174 in Red River Parish and terminates at Lat. 30.360089, Long. -93.605041 in Calcasieu Parish, Louisiana, as shown in the attached drawings.

CHARACTER OF WORK: The applicant has requested Department of the Army authorization to install and operate a 42-inch diameter natural gas transmission pipeline approximately 134 miles in length. The pipeline facilities include the proposed 134 mainline

section beginning at Westdale, Louisiana and terminating near Starks, Louisiana. The project also involves the construction of seven mainline valves, a pig trap, and meter station along the pipeline route. The project activities include clearing the right-of-way, conducting trenching operations, installing various above and below ground pipelines and components, installing aboveground facilities, temporarily stockpiling materials, and performing horizontal directional drilling (HDD) operations. Following construction, areas temporarily impacted by the project will be restored to pre-construction grade and allowed to revegetate to their pre-existing habitat conditions.

The proposed project will temporarily impact approximately 37.58 acres of jurisdictional wetlands, of which 8.37 acres are emergent wetlands, 27.70 acres are bottomland hardwoods, 0.11 of an acre is cypress/tupelo gum swamp, and 1.40 acres are scrub-shrub wetlands. In addition, approximately 11.73 acres of jurisdictional wetlands, of which 11.49 acres are bottomland hardwoods, 0.05 of an acre is cypress/tupelo gum swamp and 0.19 of an acre is scrub-shrub wetlands, will be permanently converted to maintained non-forested wetlands within the pipeline right-of-way. The project will result in no permanent loss of wetlands or waters. To install the pipeline, approximately 47,805.62 cubic yards of native soils will be excavated, temporarily side-cast, and backfilled over the pipeline after it is constructed and placed back into the trench. The area will be returned to pre-construction contours. Construction of the seven mainline valves, a pig trap, and meter station located along the pipeline will not result in the placement of fill in jurisdictional wetlands or other waters of the U.S.

The applicant has designed the project to avoid and minimize direct and secondary adverse impacts to the maximum extent practicable by co-locating the proposed route with existing rights-of-way, utilizing HDDs, reducing the construction footprint to 75 feet in wetlands, and maximizing the use of existing access roads. The applicant proposes to offset unavoidable wetland impacts by purchasing mitigation credits from Corps-approved mitigation banks within the Fort Worth, Vicksburg, New Orleans, and Galveston Districts, should a Department of the Army permit be granted.

While the subject project falls within the jurisdictional boundaries of four U.S. Army Corps of Engineers (USACE) Districts, the proposed project in its entirety will be processed and reviewed by the USACE, N.O. District, along with maintained coordination and acquisition of any essential determinations and information from the relevant Districts. Additionally, the Federal Energy Regulatory Commission (FERC) is considered the lead federal agency on the review of the Gulf Run Pipeline Project, with the USACE N.O. District as a cooperating agency.

The comment period on the Department of Army permit request and the Louisiana Department of Environmental Quality - Water Quality Certification (WQC) will close in **20 days** from the date of this joint public notice. Written or emailed comments, including suggestions for modification or objections to the proposed work, stating reasons thereof, are being solicited from anyone having interest in this permit request and must be sent so as to be received before or by the last day of the comment period. Letters and/or comments concerning this USACE permit application must reference the applicant's name and the Permit Application Number, and preferably be emailed to the USACE project manager listed above, or mailed to the Corps of Engineers at the address above, **ATTENTION: REGULATORY BRANCH**. Individuals or

parties may request an extension of time in which to comment on the proposed work by writing or emailing the USACE Project Manager listed above. Any requests must be specific and substantively supportive of the requested extension, and received by this office prior to the end of the initial comment period. The Section Chief will review the request and the requester 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. Similar letters and/or comments concerning the state Water Quality Certification must reference the applicant's name and the WQC Application number and be mailed to the Louisiana Department of Environmental Quality (LDEQ) at the address above. The application for the proposed project is on file with the LDEQ and may be examined during weekdays between 8:00 a.m. and 4:30 p.m. Copies may be obtained upon payment of costs of reproduction.

Corps of Engineers Permit Criteria

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

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

The applicant has conducted Phase I cultural resource investigations in compliance with Section 106 of the National Historic Preservation Act and guidelines set forth by the Louisiana Division of Archaeology, State Historic Preservation Office (LDOA, SHPO) to identify cultural resource sites within the project footprint and to assess any potential impacts by the project to historic properties or other sensitive cultural resources. The Phase I Cultural Resources Report and the Addendum I: Sand Mine Route Variation, which provide a detailed analysis of the results of the investigation, were submitted to the LDOA, SHPO on January 15, 2020 and February 21, 2020, respectively. The LDOA, SHPO issued a letter dated March 16, 2020 providing a finding

of no significant historic properties affected by the project, except two sites that were recommended to be avoided. A letter dated March 17, 2020 was issued providing a finding of no significant historic properties affected for the Addendum I: Sand Mine Route Variation. A revised Gulf Run Pipeline and Addendum I cultural resources survey reports were submitted to LDOA, SHPO on May 19, 2020. The LDOA, SHPO accepted the Addendum I cultural resources survey report as final on May 21, 2020 and accepted the Gulf Run Pipeline cultural resources survey report as final on May 22, 2020. The Cultural Resources Survey Report – Addendum II: Various Modifications was submitted to the LDOA, SHPO on June 2, 2020. The FERC is the lead federal agency on the Gulf Run Pipeline Project, therefore concurrence on Section 106 issues will be obtained through FERC's Environmental Assessment procedures.

The applicant prepared and submitted a Rare, Threatened and Endangered Species Report, dated April 2020, to the FERC and U.S. Fish and Wildlife Service (USFWS) dated April 2020. The FERC is the lead federal agency on the Gulf Run Pipeline Project, therefore concurrence on ESA issues will be obtained through FERC's Environmental Assessment procedures. By letter dated April 20, 2020, the USFWS verified that the proposed Gulf Run Pipeline project is consistent with activities analyzed in the Programmatic Biological Opinion (PBO) for the Northern Long-eared Bat (NLEB). The proposed action "may affect" the NLEB, however, take is not prohibited under the Endangered Species Act (ESA) 4(d) rule adopted for this species. By email dated April 23, 2020, USFWS indicated that the species "no effect" determinations made through the website and included in the submitted Rare, Threatened and Endangered Species Report are valid without additional written concurrence. In an additional email dated April 23, 2020, USFWS stated that the obtained NLEB verification letter is valid for the proposed project. Our initial finding is that the proposed work would not adversely affect any species listed as threatened or endangered by the U.S. Department of Interior or Commerce, nor affect any habitat designated as critical to the survival and recovery of any endangered species. The applicant obtained multiple Information & Planning Consultation for Endangered Species in Louisiana (IPaC), verification letters for the proposed project, which are include in the submitted Rare, Threatened and Endangered Species Report.

This notice initiates the Essential Fish Habitat (EFH) consultation requirements of the Magnuson-Stevens Fishery Conservation and Management Act. The applicant's proposal would result in the destruction or alteration or disturbance of up to **N/A** 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 water quality standards will be required from the Louisiana Department of Environmental Quality, Office of Environmental Services before a permit is issued.

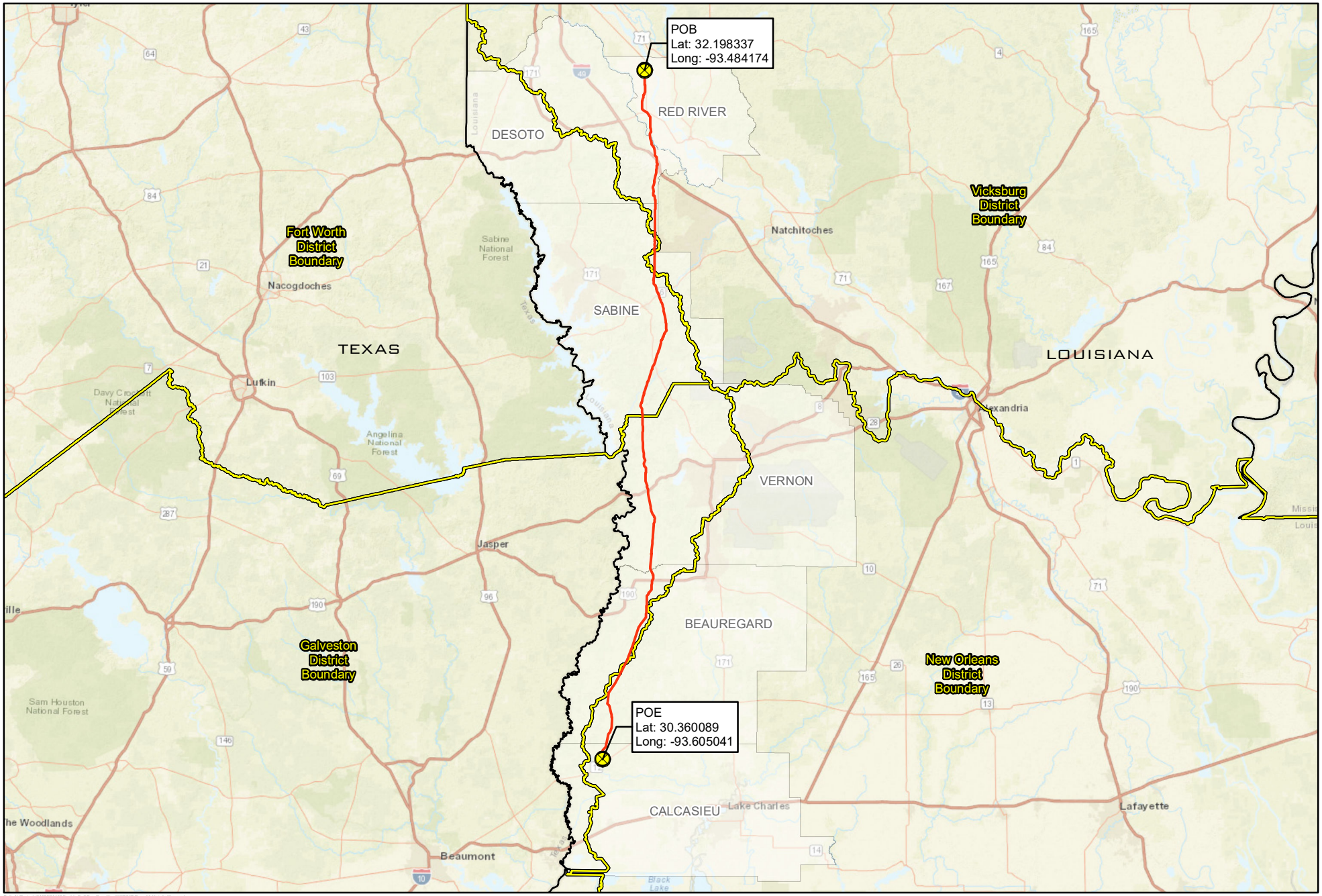
Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for public hearings shall state, with particularity, the reasons for holding a public hearing.

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

BARBARA.DARRELL.SAM.1230846096
Digitally signed by BARBARA.DARRELL.SAM.1230846096
Date: 2020.06.24 17:50:09 -05'00'

Darrell S. Barbara
Chief, Western Evaluation Section
Regulatory Branch

Enclosures



GULF RUN PIPELINE
ENABLE MIDSTREAM PARTNERS

GULF RUN PIPELINE PROJECT

VICINITY MAP
LOUISIANA

FIGURE 1

Proposed Route
Terminus Point
Parish Boundary
State Boundary
USACE Regulatory District Boundary

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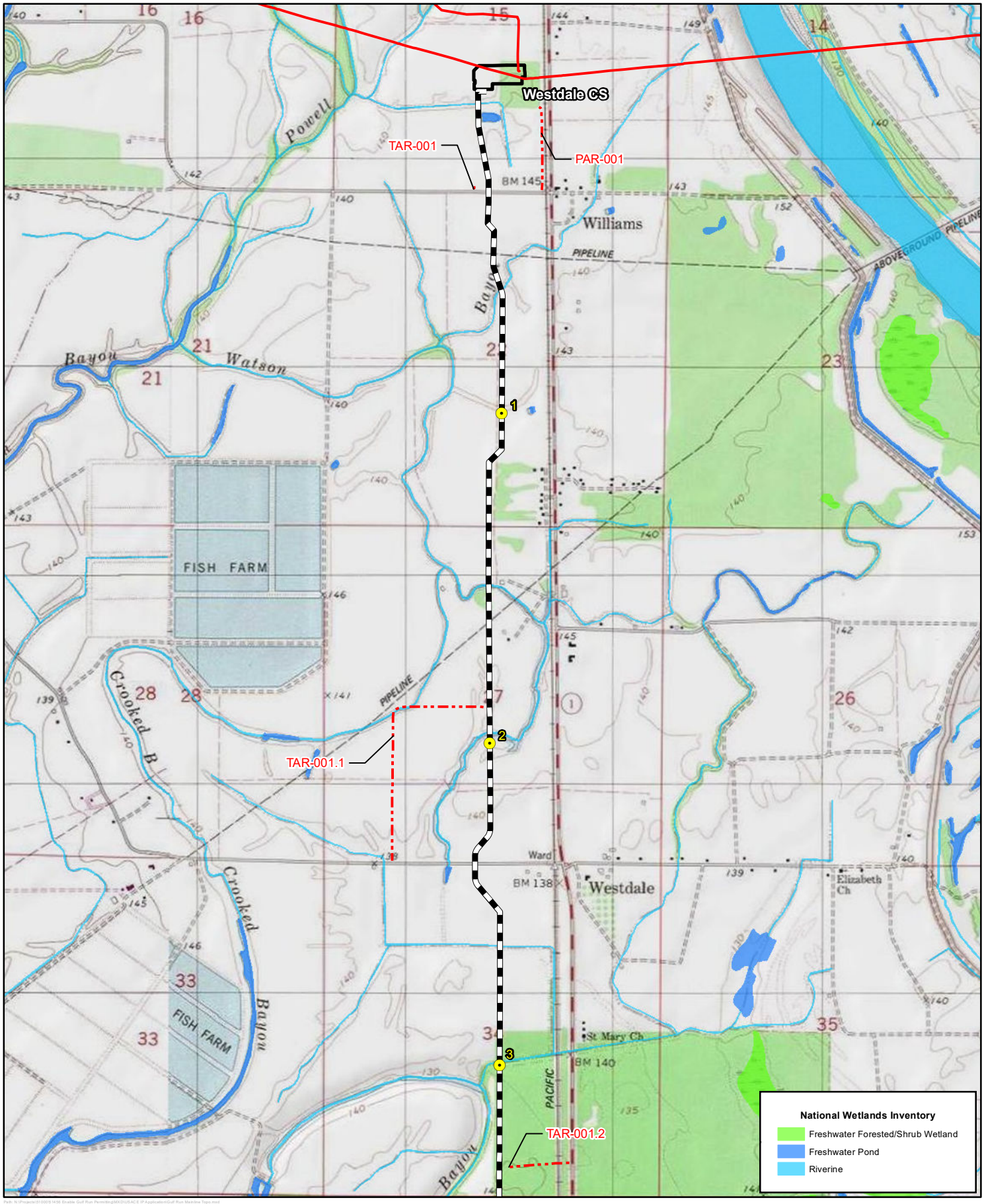
Created By: K. Shields
Project Number: 51456
Date: 2/11/2020
NAD 1983 UTM Zone 15N



GULF RUN PIPELINE

GULF RUN PIPELINE AND LINE CP MODIFICATIONS

Figure 2. Gulf Run Pipeline Topographic Map

Mile Post
Access Road
Gulf Run Pipeline
Line CP Pipeline
Compressor Station

SWCA ENVIRONMENTAL CONSULTANTS

Created By: J. Fontenot
Project Number: 51456
Date: 6/3/2020
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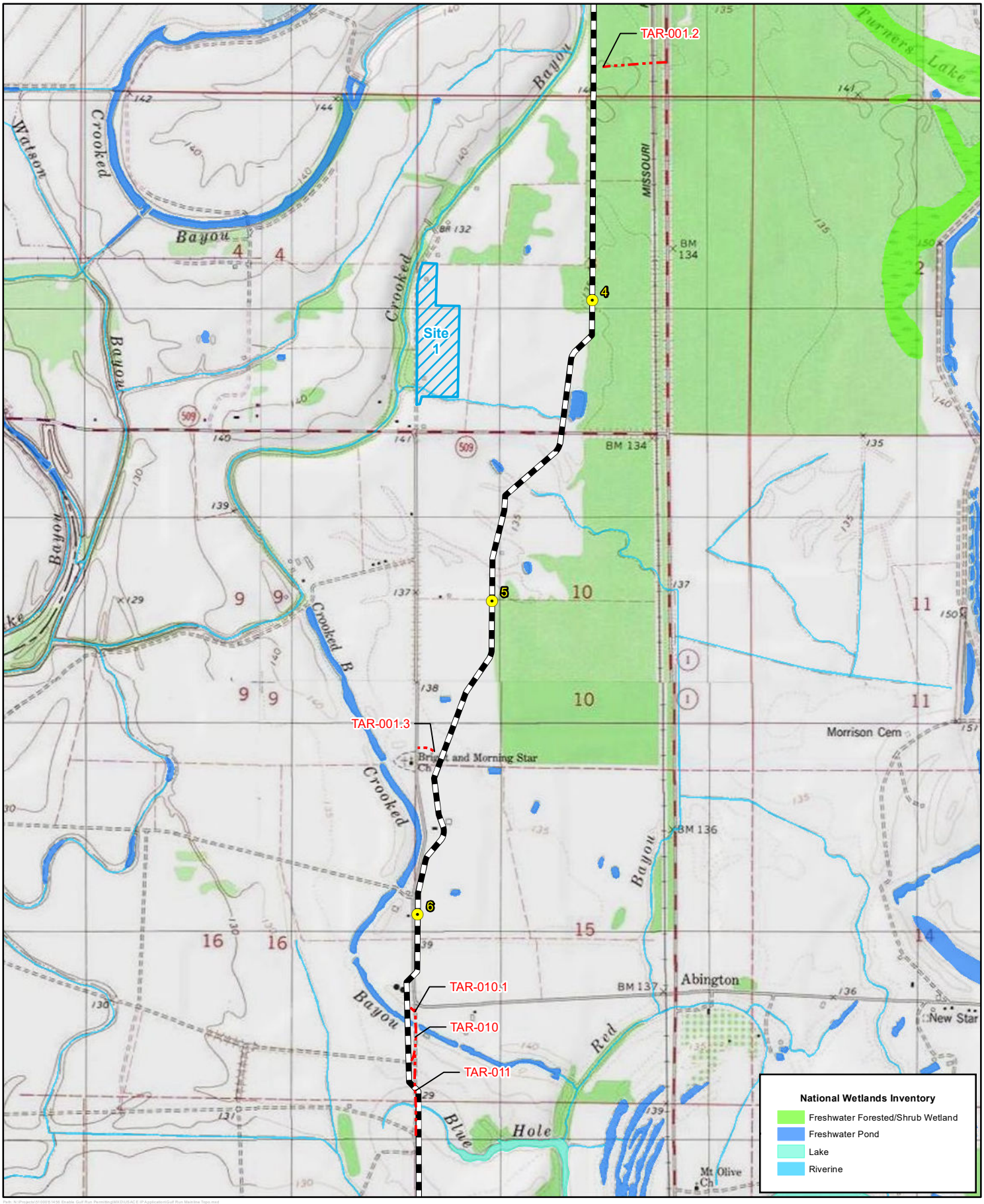

GULF RUN PIPELINE

GULF RUN PIPELINE AND LINE CP MODIFICATIONS

Figure 2. Gulf Run Pipeline Topographic Map

Mile Post
Access Road
Gulf Run Pipeline
Line CP Pipeline
Pipe/Contractor Yard

SWCA ENVIRONMENTAL CONSULTANTS

Created By: J. Fontenot
Project Number: 51456
Date: 6/3/2020
NAD 1983 UTM Zone 15N ft

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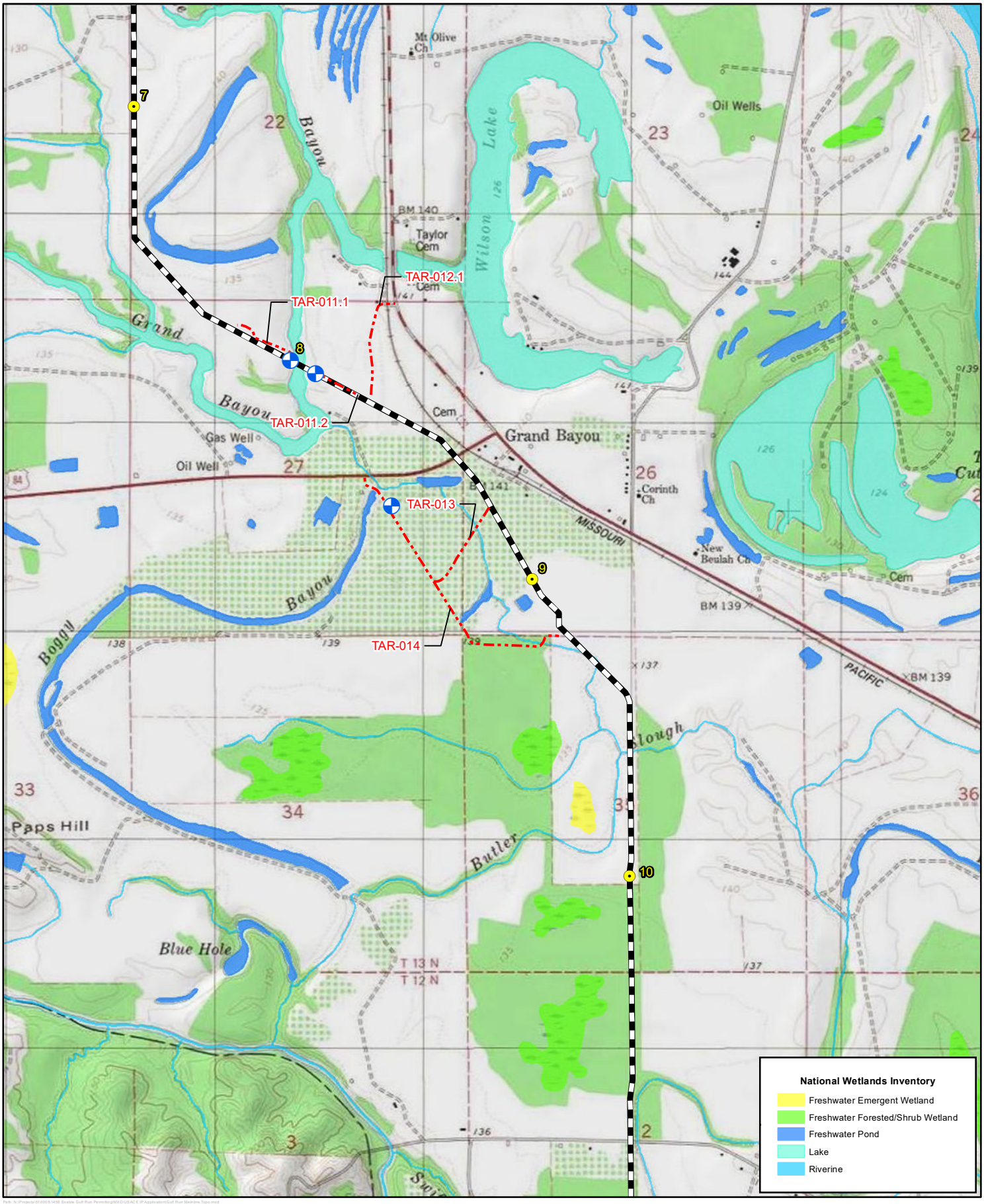

GULF RUN PIPELINE

GULF RUN PIPELINE AND LINE CP MODIFICATIONS

Figure 2. Gulf Run Pipeline Topographic Map

Water Withdrawal Location
Mile Post
Access Road
Gulf Run Pipeline
Line CP Pipeline

SWCA ENVIRONMENTAL CONSULTANTS

Created By: J. Fontenot
Project Number: 51456
Date: 6/3/2020
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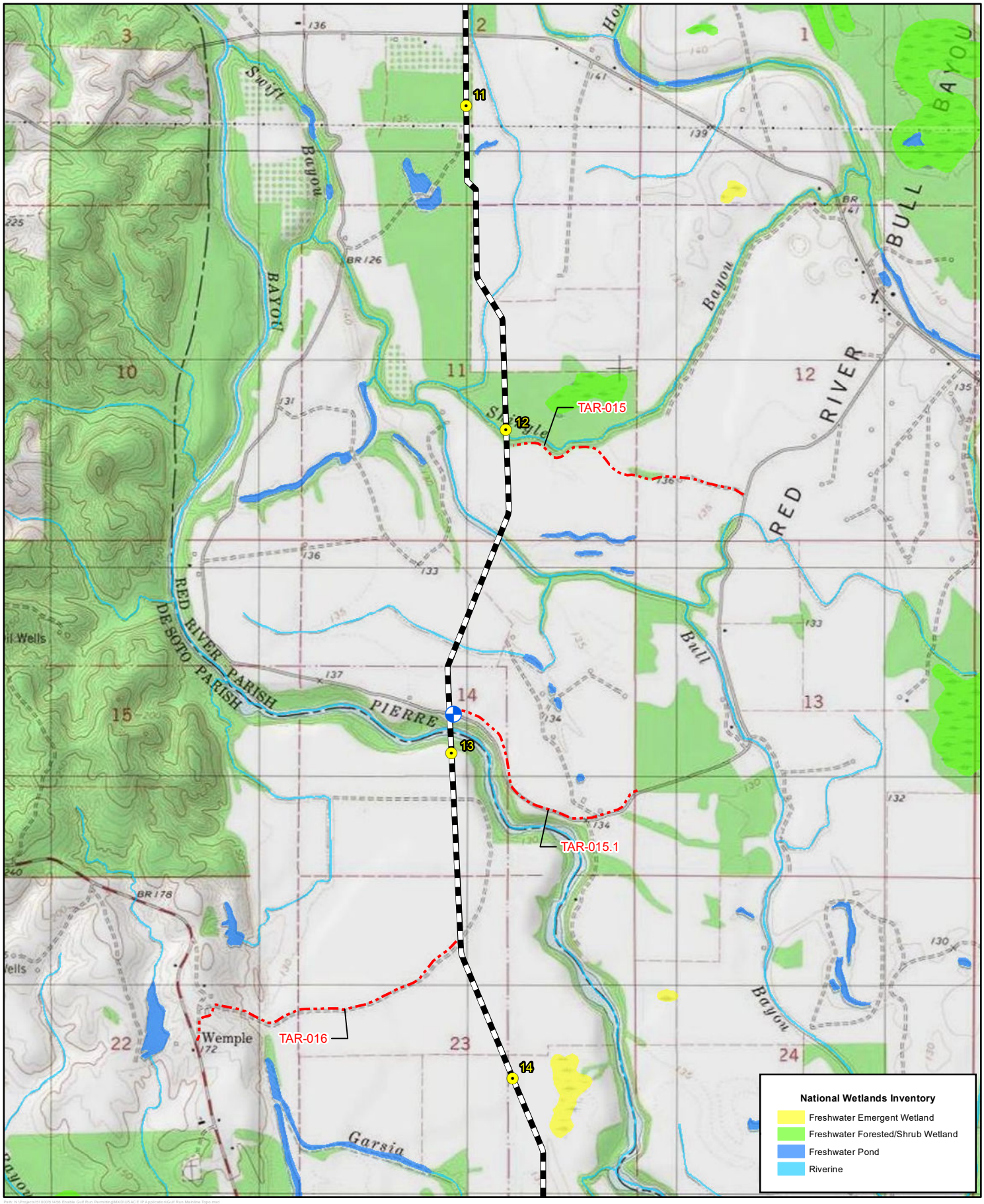

GULF RUN PIPELINE

GULF RUN PIPELINE AND LINE CP MODIFICATIONS

Figure 2. Gulf Run Pipeline Topographic Map

Water Withdrawal Location
Mile Post
Access Road
Gulf Run Pipeline
Line CP Pipeline

SWCA ENVIRONMENTAL CONSULTANTS

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Project Number: 51456
Date: 6/3/2020
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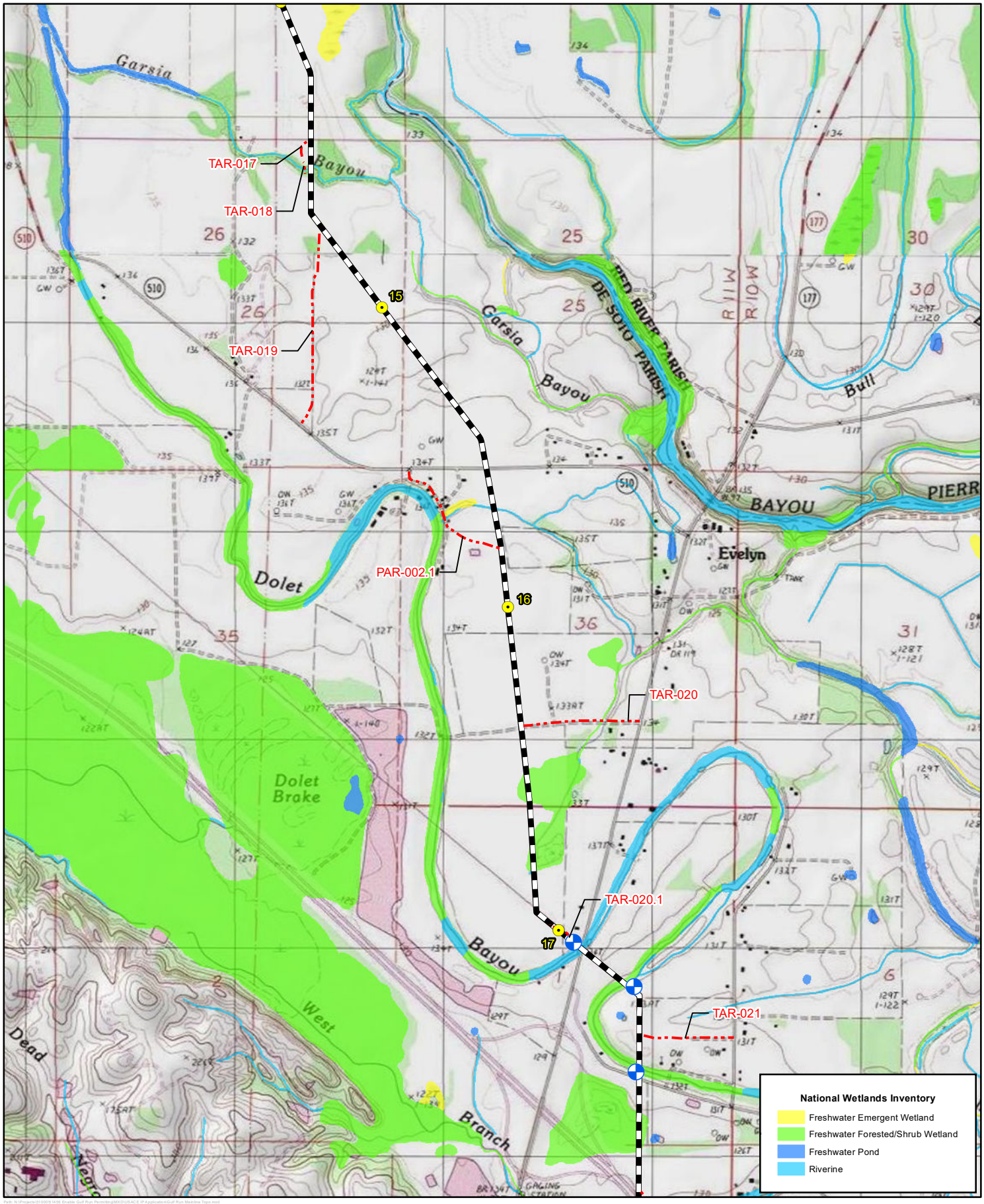

GULF RUN PIPELINE

GULF RUN PIPELINE AND LINE CP MODIFICATIONS

Figure 2. Gulf Run Pipeline Topographic Map

Water Withdrawal Location
Mile Post
Access Road
Gulf Run Pipeline
Line CP Pipeline

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Date: 6/3/2020
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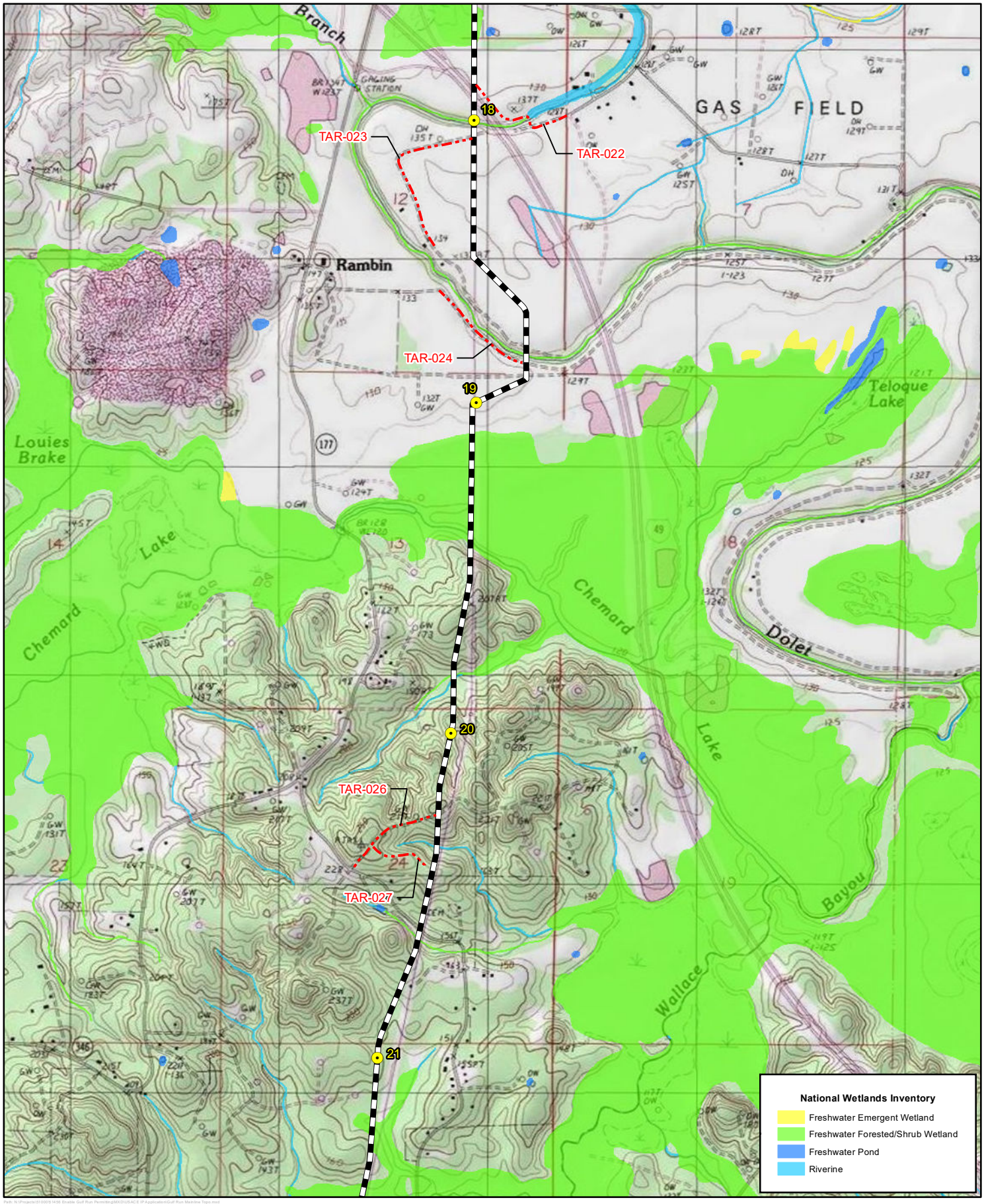

GULF RUN PIPELINE

GULF RUN PIPELINE AND LINE CP MODIFICATIONS

Figure 2. Gulf Run Pipeline Topographic Map

Mile Post

Access Road

Gulf Run Pipeline

Line CP Pipeline

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Created By: J. Fontenot
Project Number: 51456
Date: 6/5/2020
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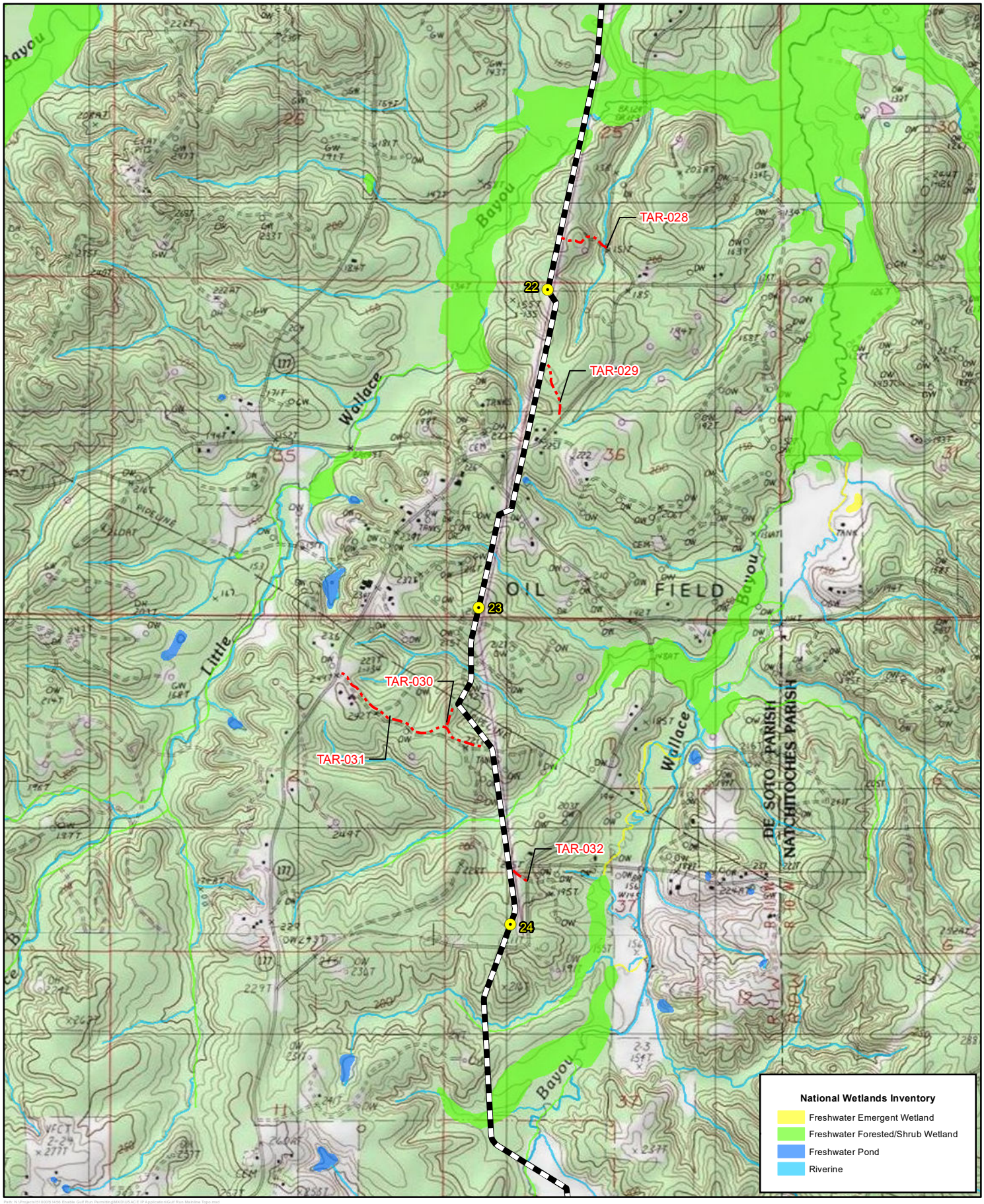

GULF RUN PIPELINE

GULF RUN PIPELINE AND LINE CP MODIFICATIONS

Figure 2. Gulf Run Pipeline Topographic Map

Mile Post
Access Road
Gulf Run Pipeline
Line CP Pipeline

SWCA ENVIRONMENTAL CONSULTANTS

Created By: J. Fontenot
Project Number: 51456
Date: 6/9/2020
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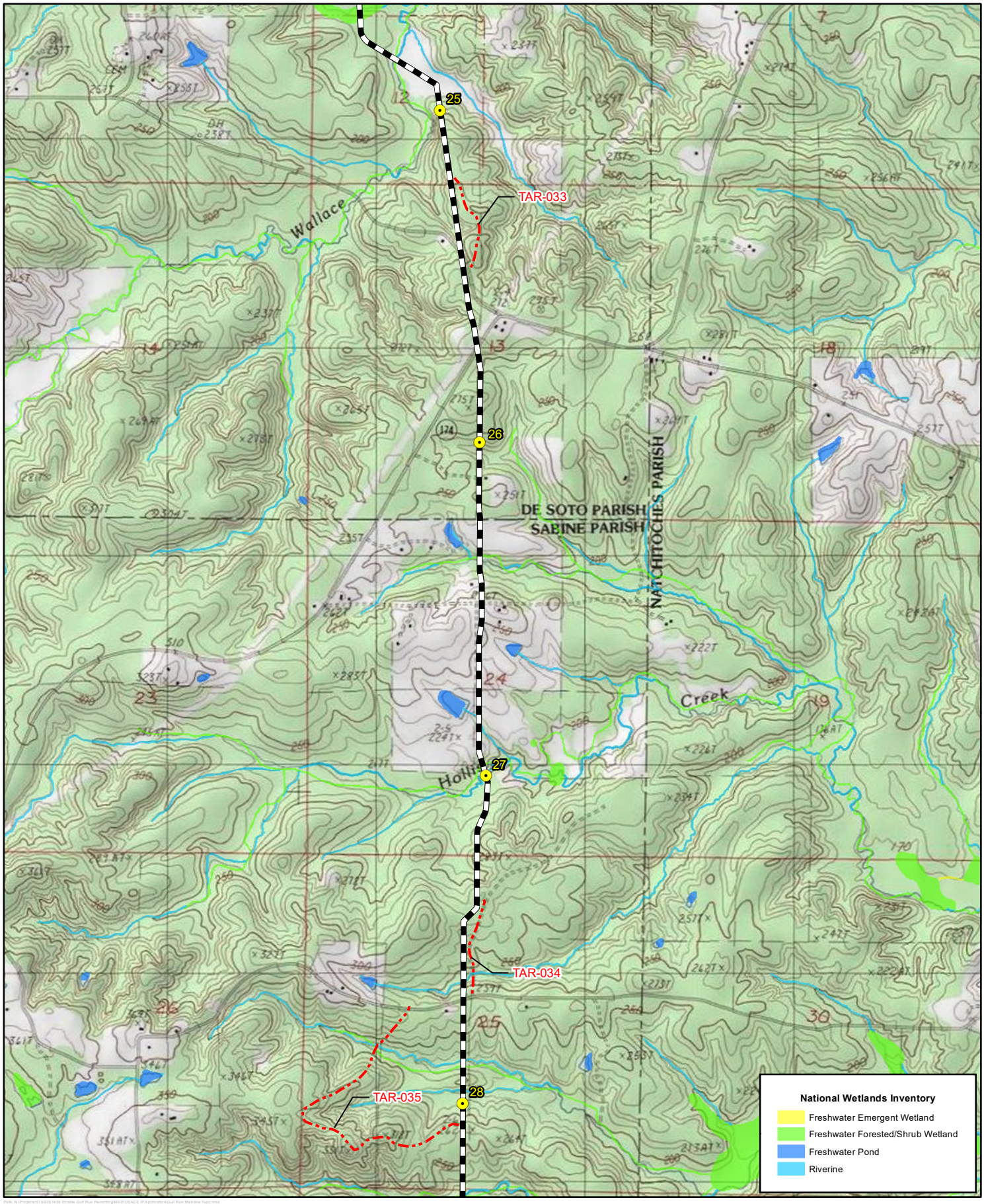

GULF RUN PIPELINE

GULF RUN PIPELINE AND LINE CP MODIFICATIONS

Figure 2. Gulf Run Pipeline Topographic Map

Mile Post
Access Road
Gulf Run Pipeline
Line CP Pipeline

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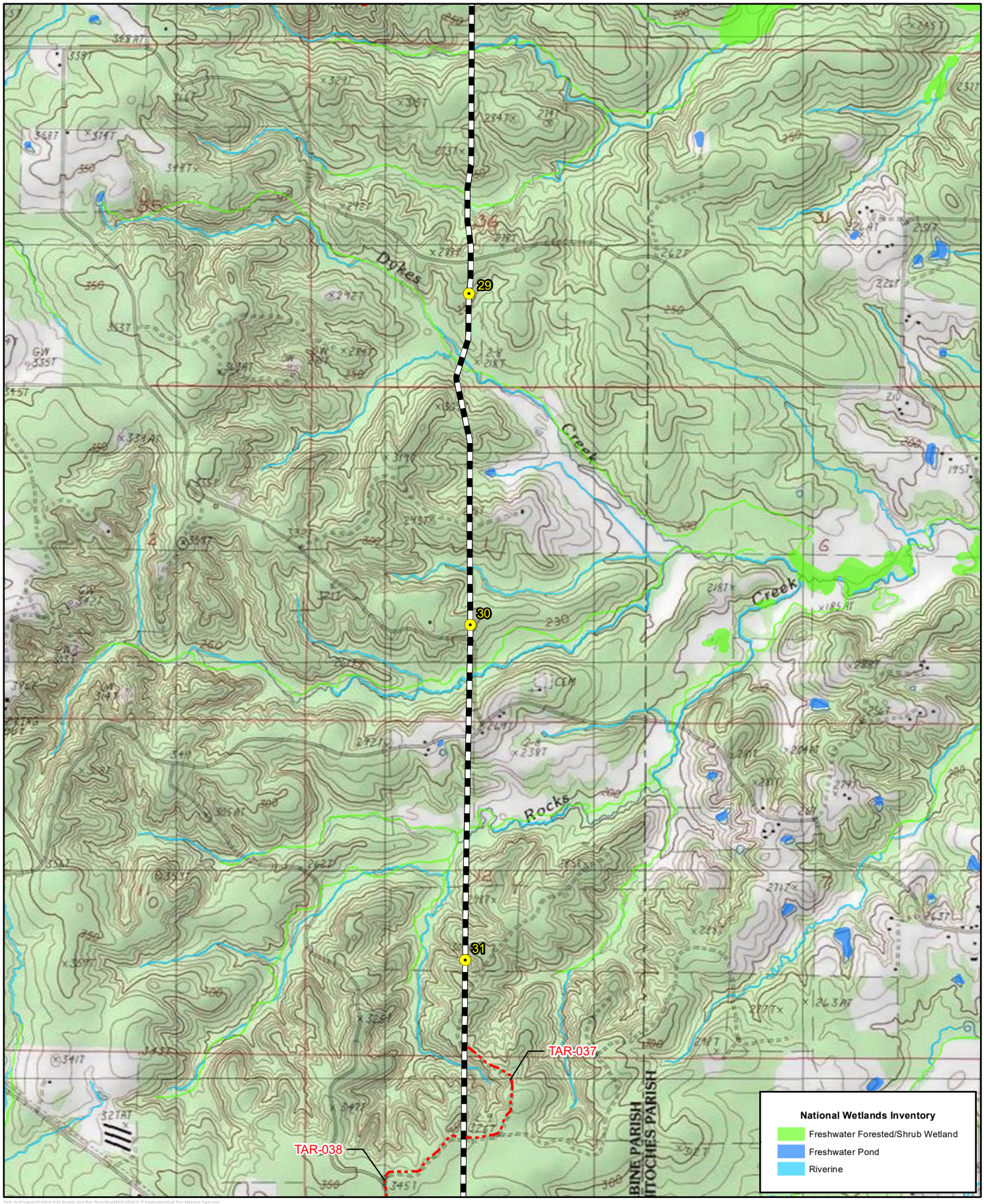

GULF RUN PIPELINE

GULF RUN PIPELINE AND LINE CP MODIFICATIONS

Figure 2. Gulf Run Pipeline Topographic Map

Mile Post
Access Road
Gulf Run Pipeline
Line CP Pipeline

SWCA ENVIRONMENTAL CONSULTANTS

Created By: J. Fontenot
Project Number: 51456
Date: 6/8/2020
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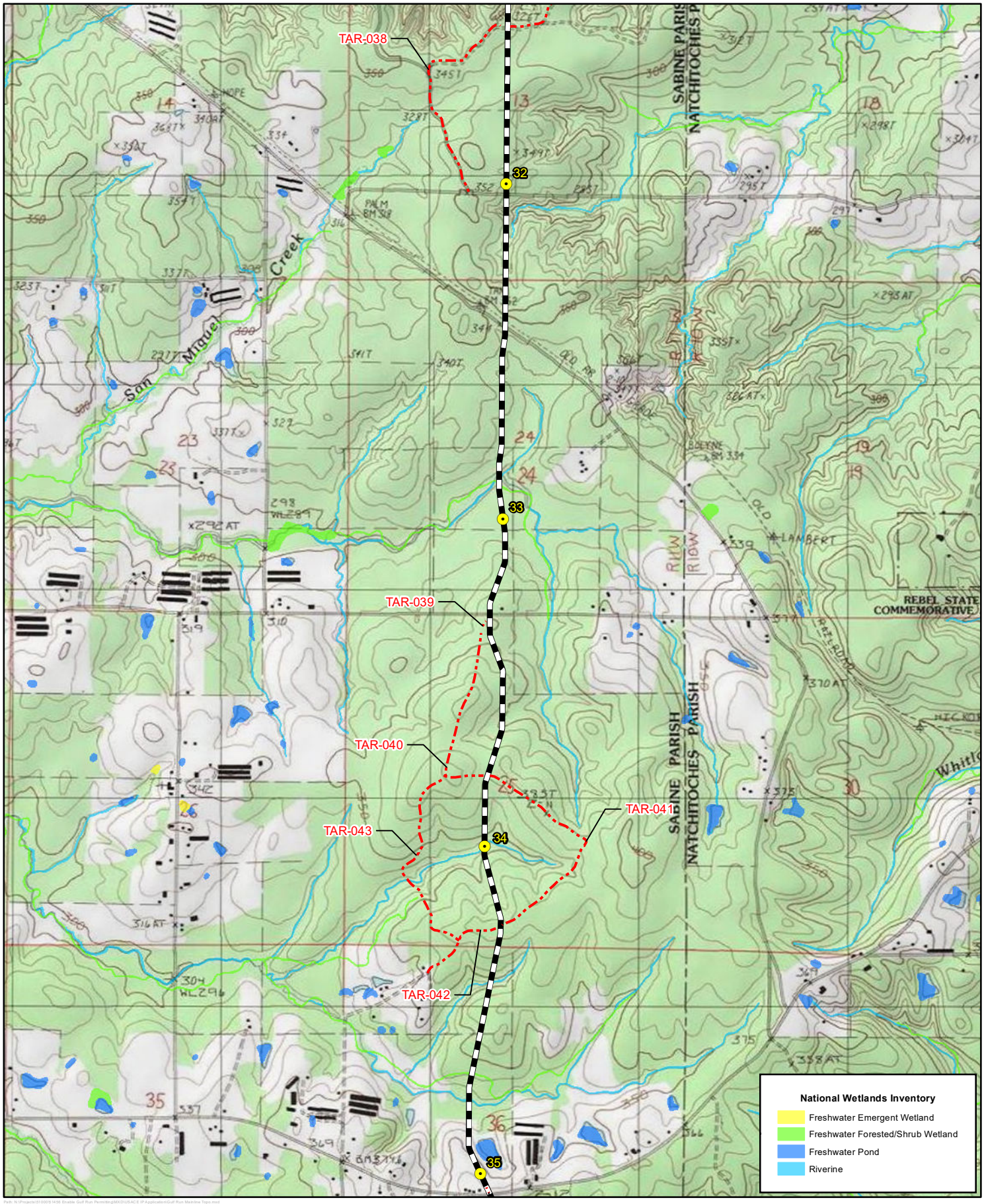

GULF RUN PIPELINE

GULF RUN PIPELINE AND LINE CP MODIFICATIONS

Figure 2. Gulf Run Pipeline Topographic Map

Mile Post
Access Road
Gulf Run Pipeline
Line CP Pipeline

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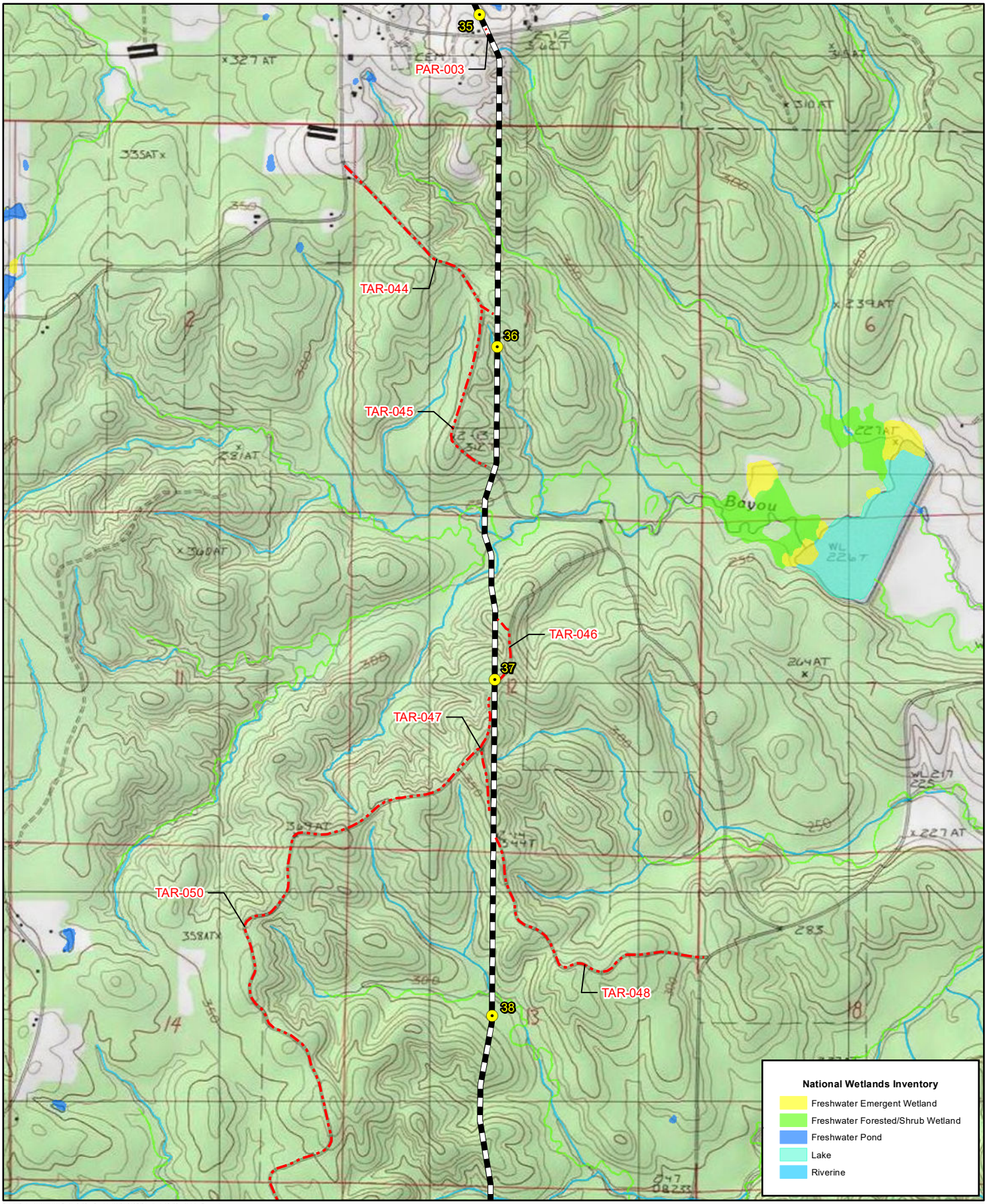

GULF RUN PIPELINE

GULF RUN PIPELINE AND LINE CP MODIFICATIONS

Figure 2. Gulf Run Pipeline Topographic Map

Mile Post
Access Road
Gulf Run Pipeline
Line CP Pipeline

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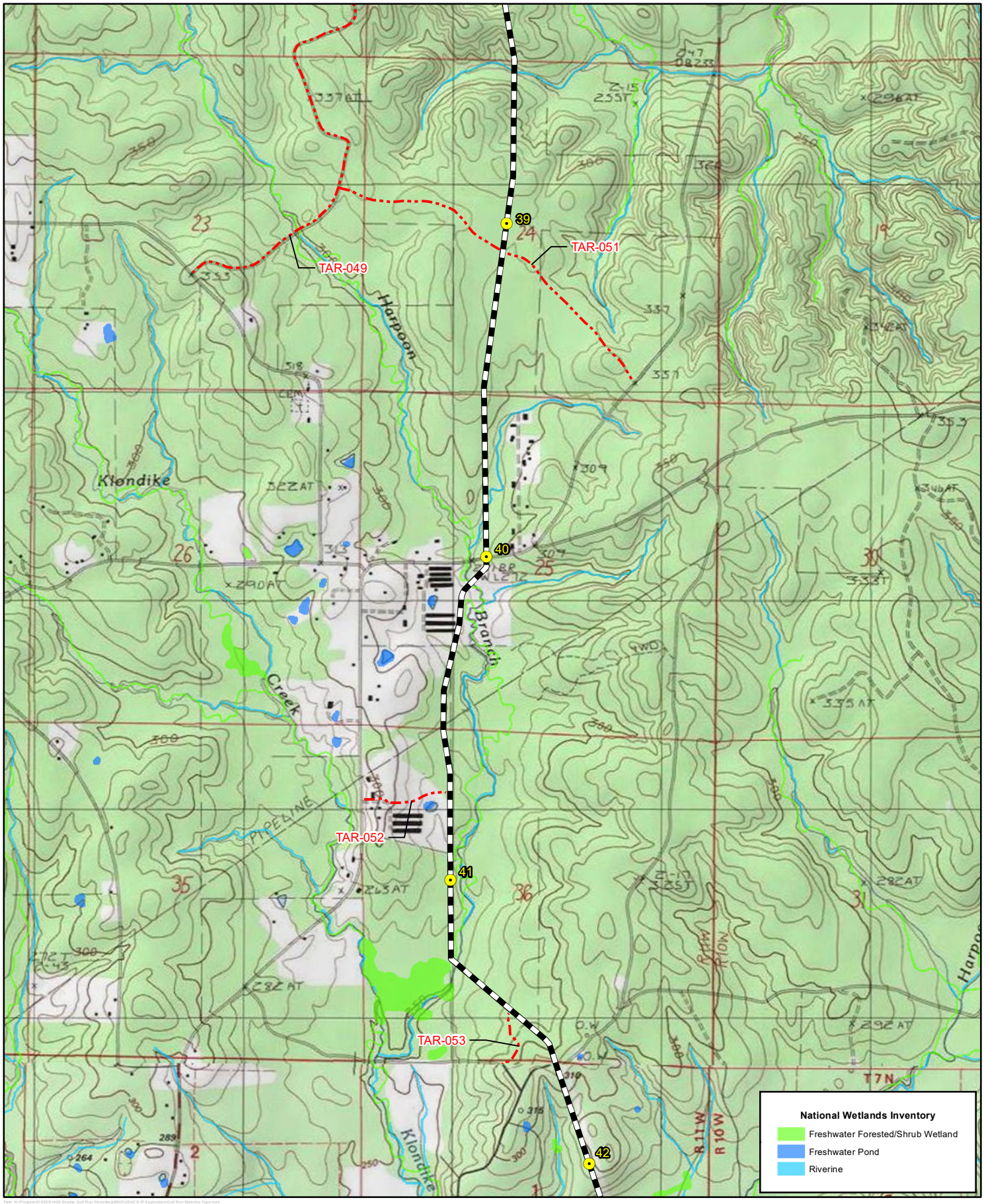

GULF RUN PIPELINE

GULF RUN PIPELINE AND LINE CP MODIFICATIONS

Figure 2. Gulf Run Pipeline Topographic Map

Mile Post
Access Road
Gulf Run Pipeline
Line CP Pipeline

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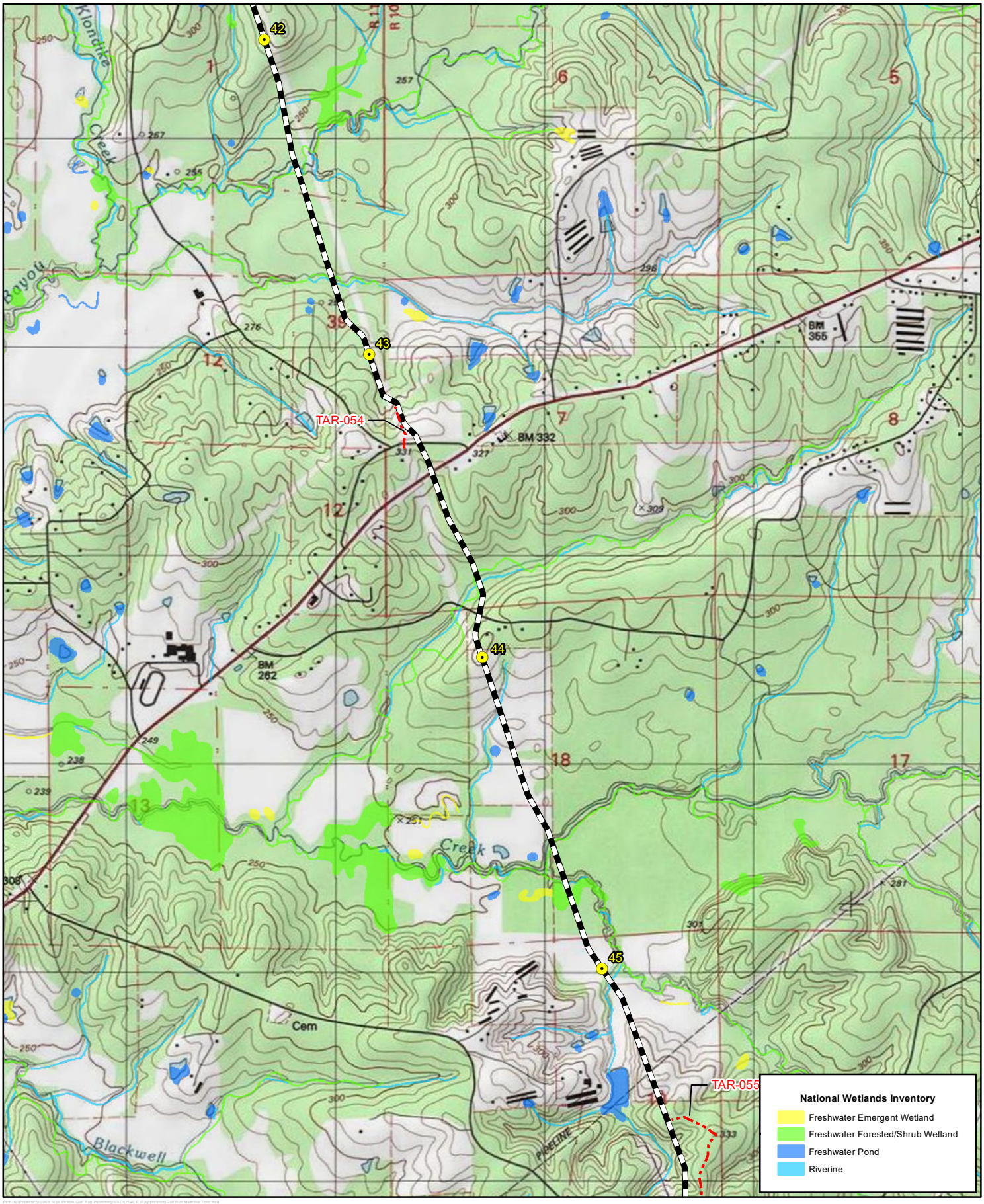

GULF RUN PIPELINE

GULF RUN PIPELINE AND LINE CP MODIFICATIONS

Figure 2. Gulf Run Pipeline Topographic Map

Mile Post
Access Road
Gulf Run Pipeline
Line CP Pipeline

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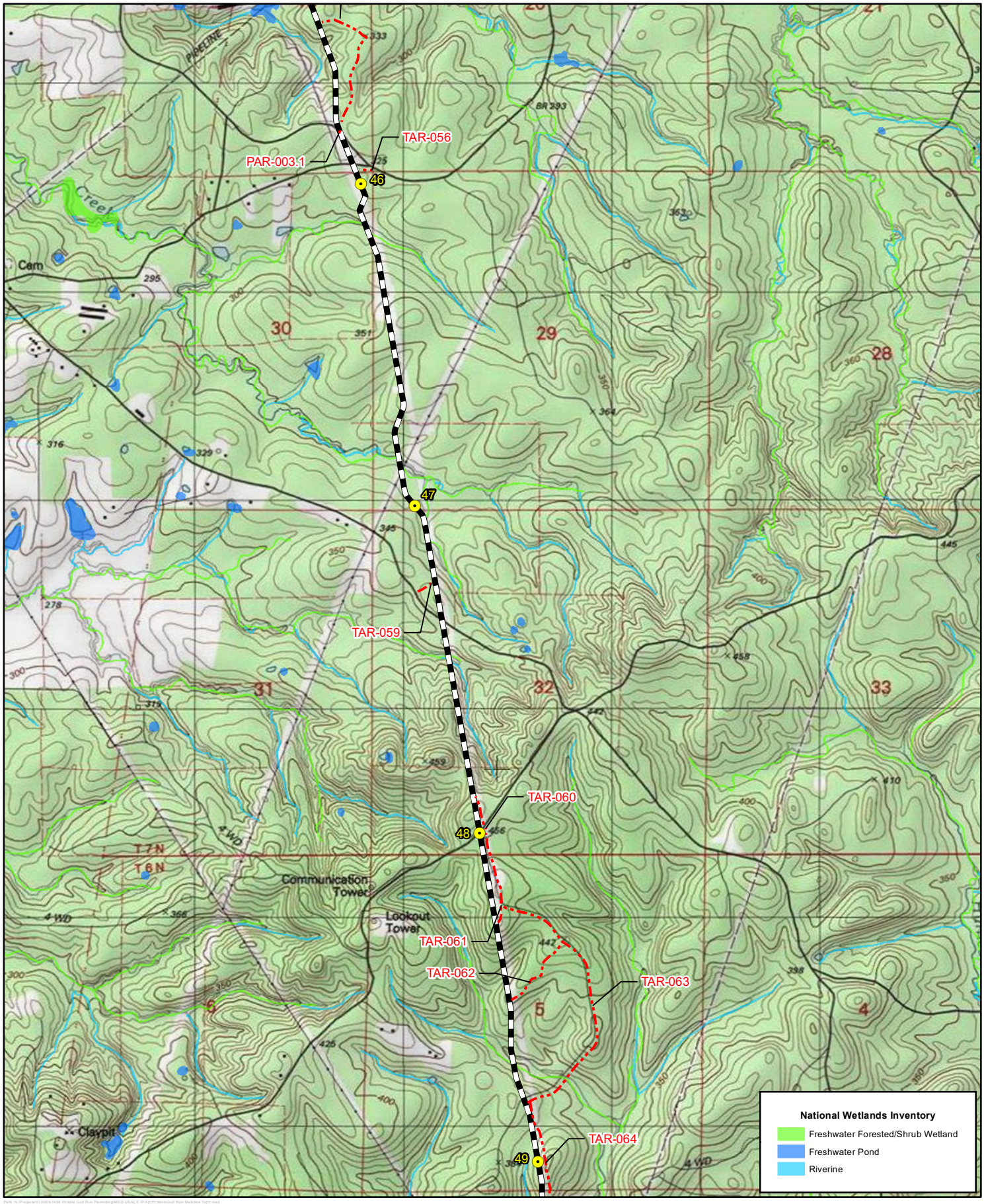

GULF RUN PIPELINE

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Figure 2. Gulf Run Pipeline Topographic Map

Mile Post
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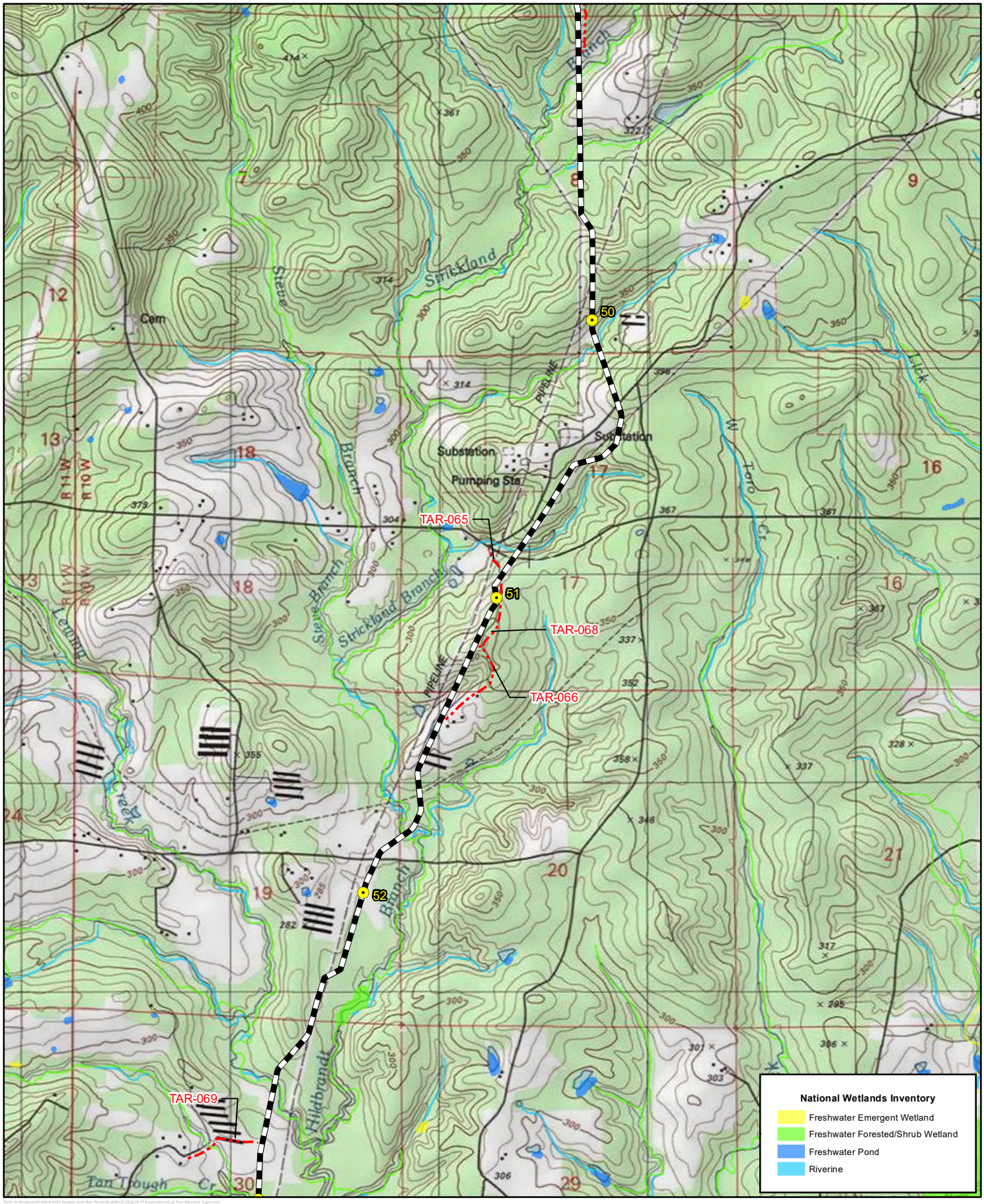

GULF RUN PIPELINE

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Figure 2. Gulf Run Pipeline Topographic Map

Mile Post
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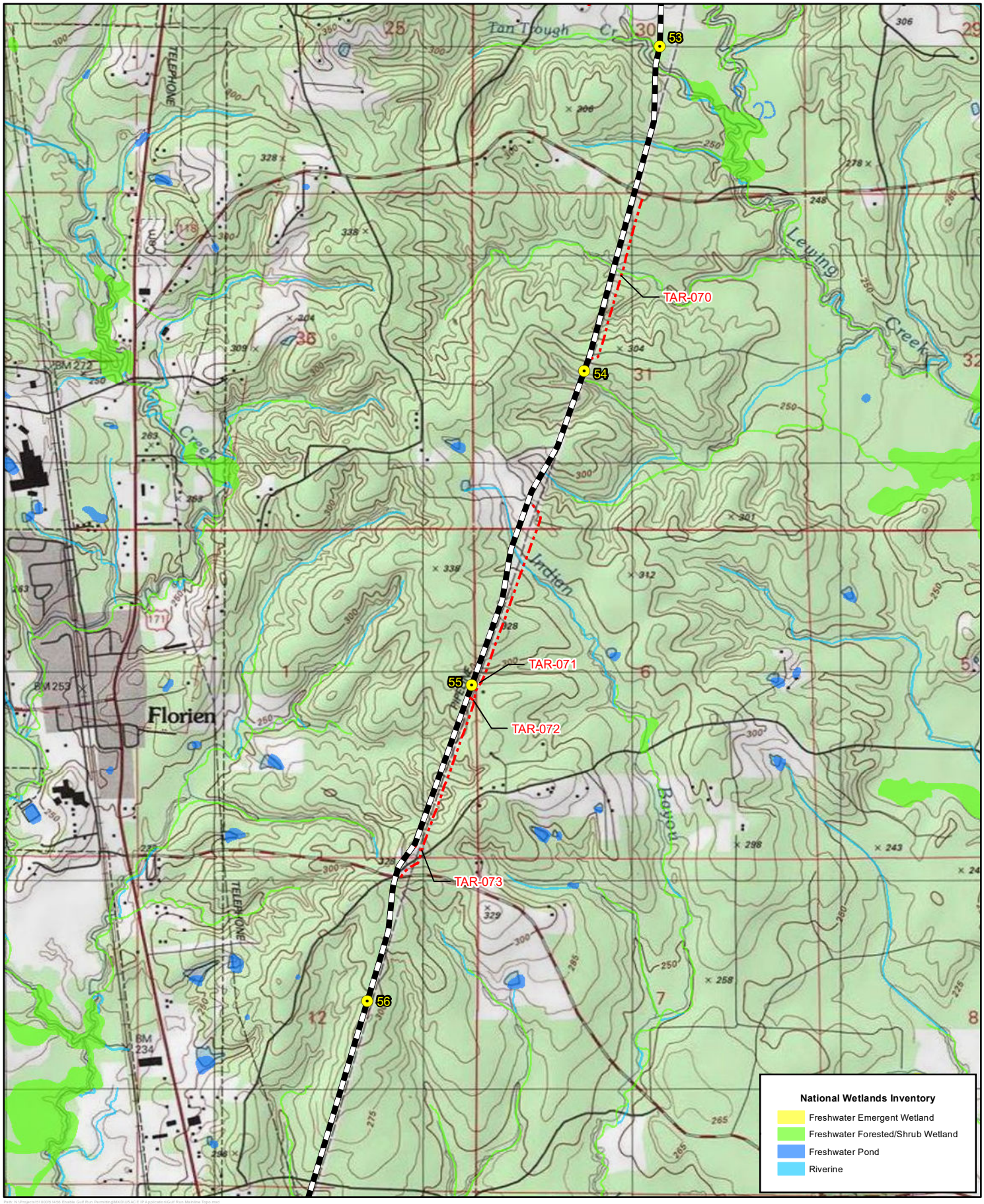

GULF RUN PIPELINE

GULF RUN PIPELINE AND LINE CP MODIFICATIONS

Figure 2. Gulf Run Pipeline Topographic Map

Mile Post
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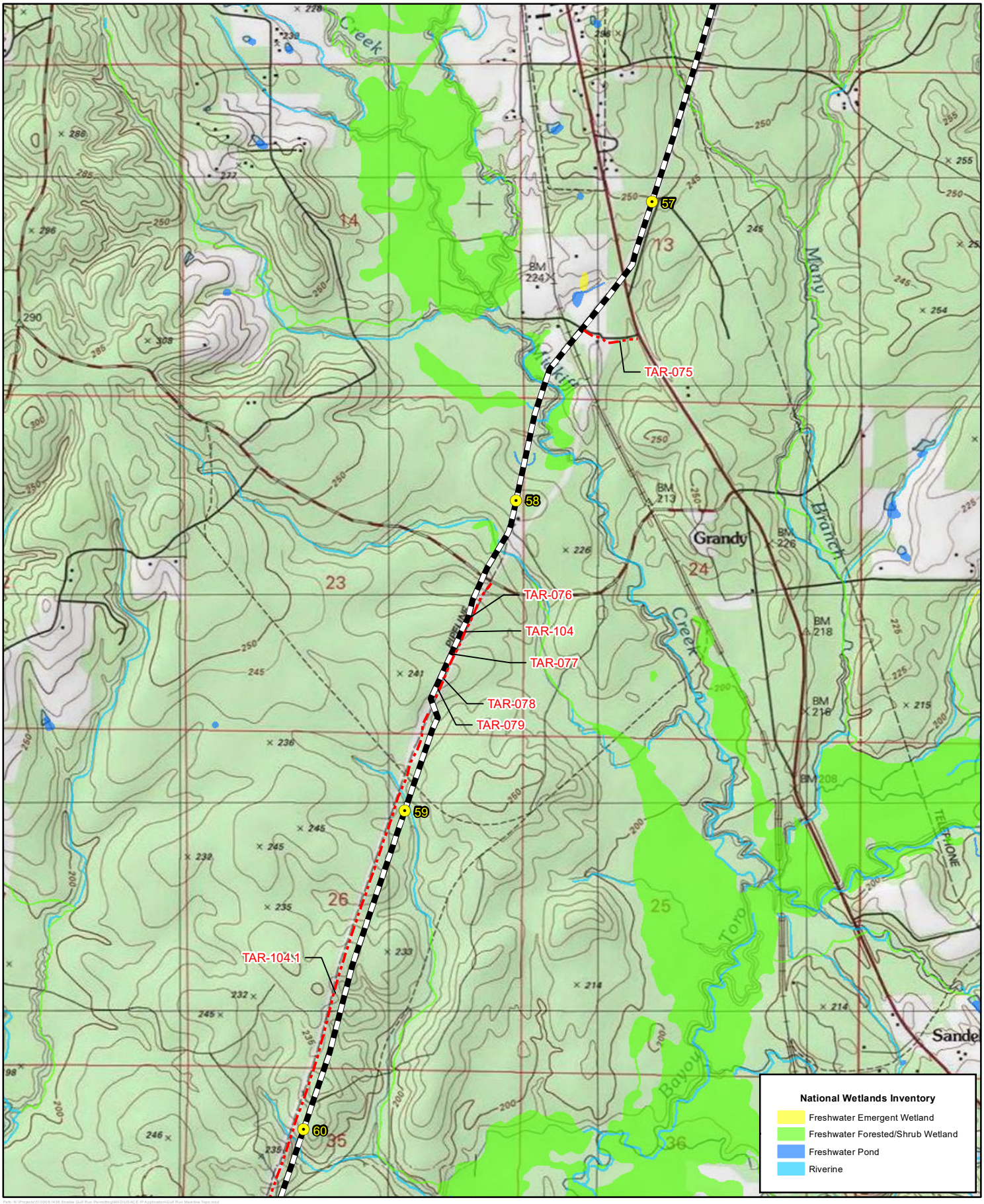

GULF RUN PIPELINE

GULF RUN PIPELINE AND LINE CP MODIFICATIONS

Figure 2. Gulf Run Pipeline Topographic Map

Mile Post
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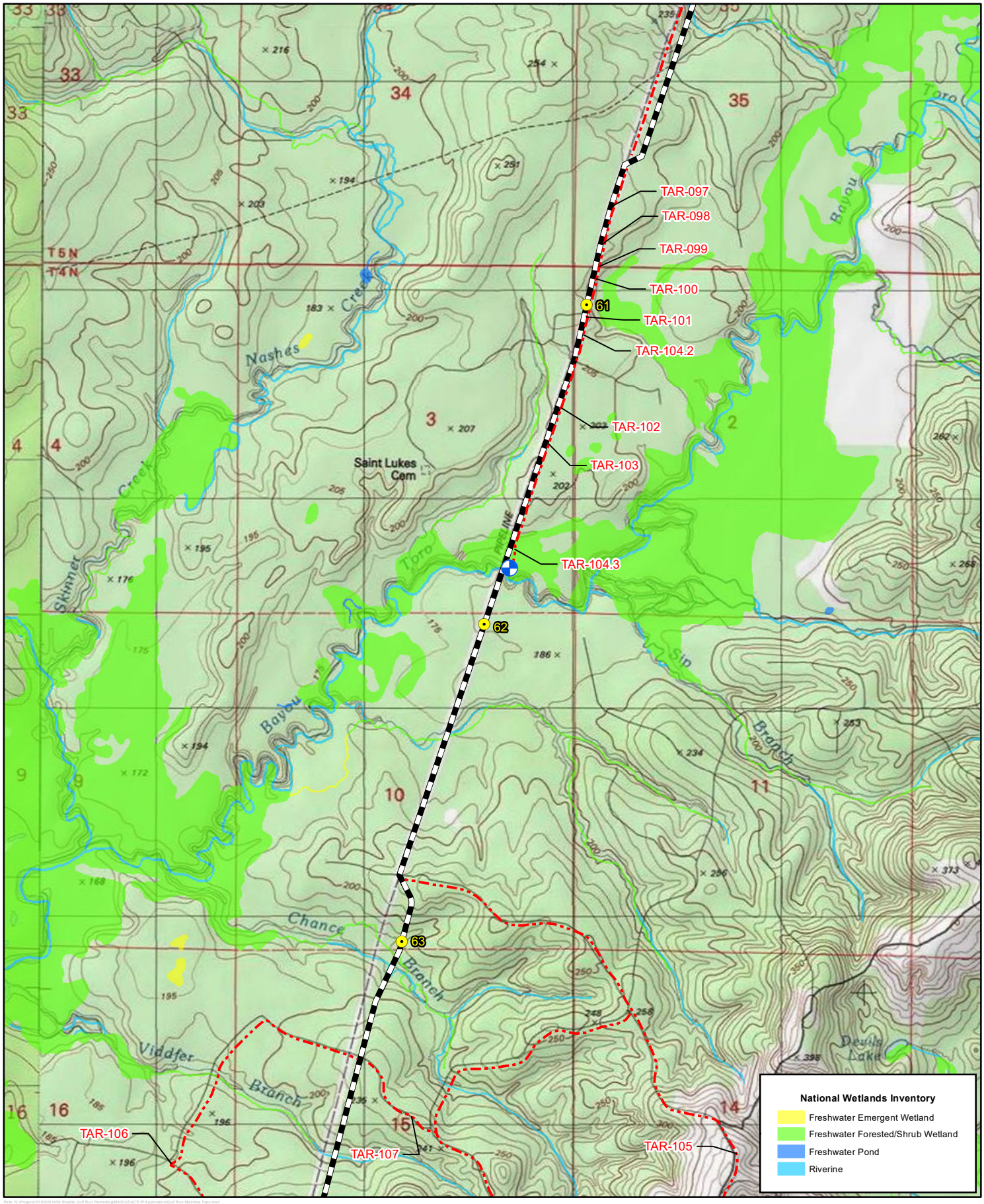

GULF RUN PIPELINE

GULF RUN PIPELINE AND LINE CP MODIFICATIONS

Figure 2. Gulf Run Pipeline Topographic Map

Water Withdrawal Location
Mile Post
Access Road
Gulf Run Pipeline
Line CP Pipeline

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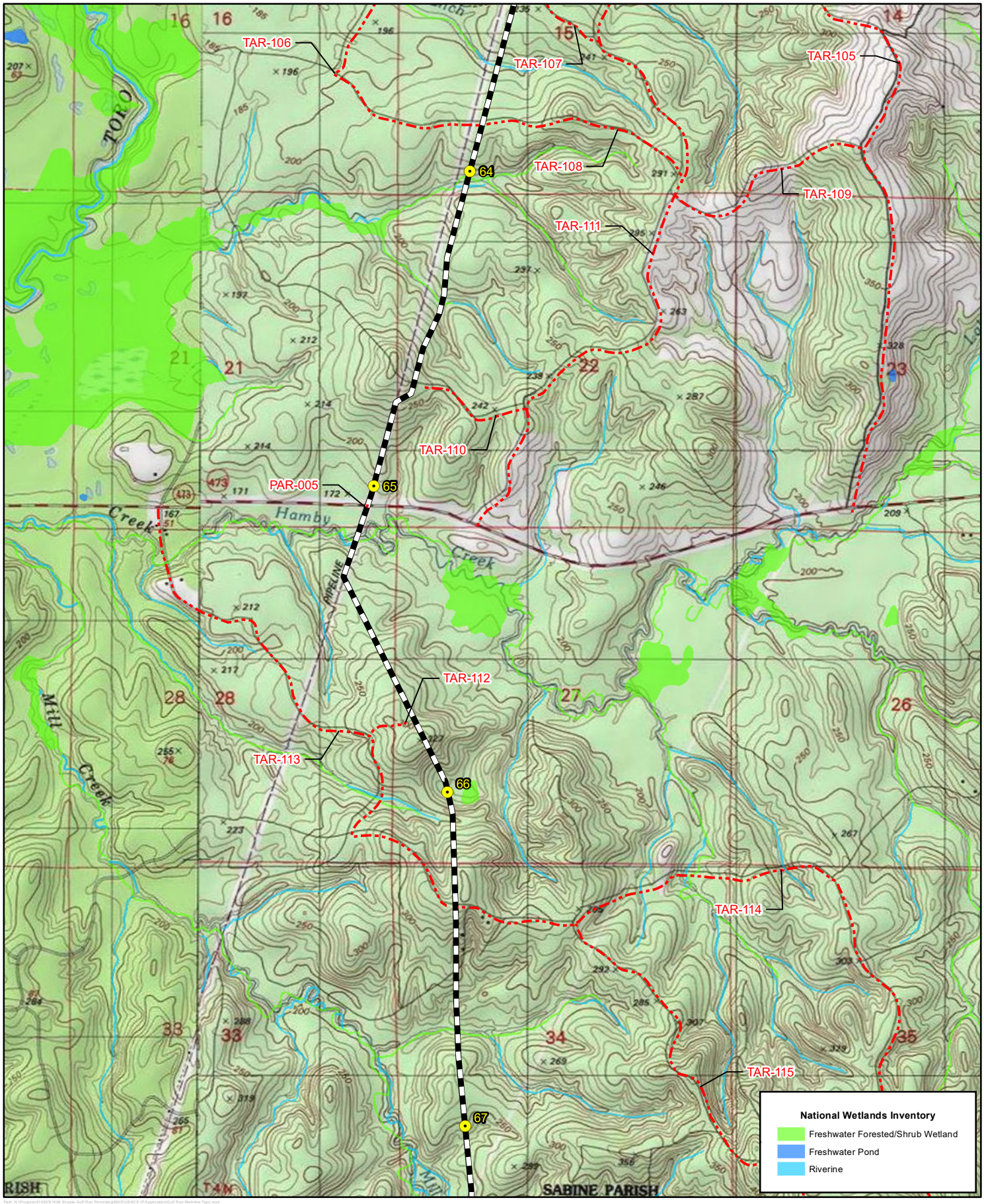

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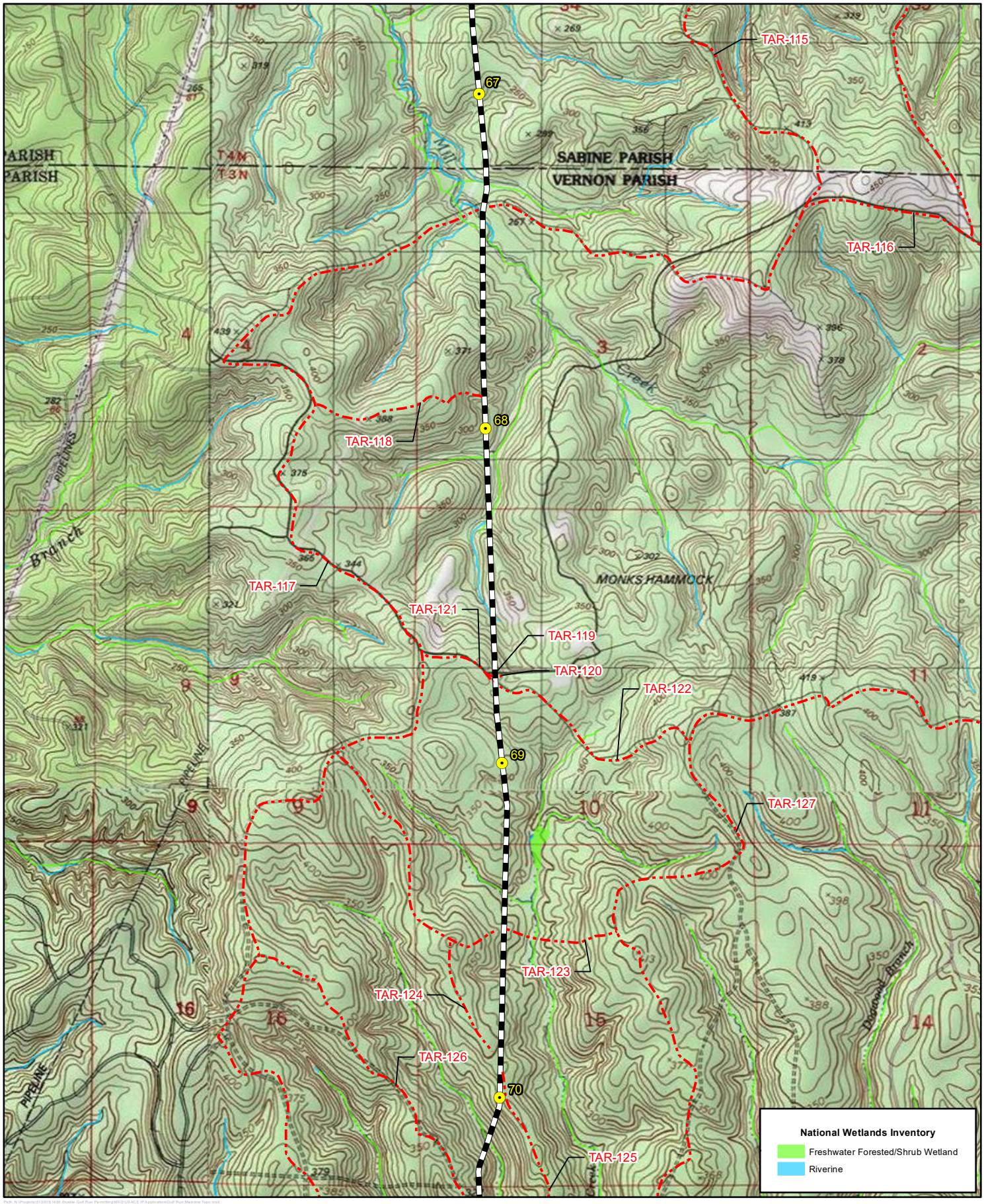
0 1,000 2,000 Feet
0 200 400 600 Meters



GULF RUN PIPELINE

GULF RUN PIPELINE AND LINE CP MODIFICATIONS

Figure 2. Gulf Run Pipeline Topographic Map

Mile Post

Access Road

Gulf Run Pipeline

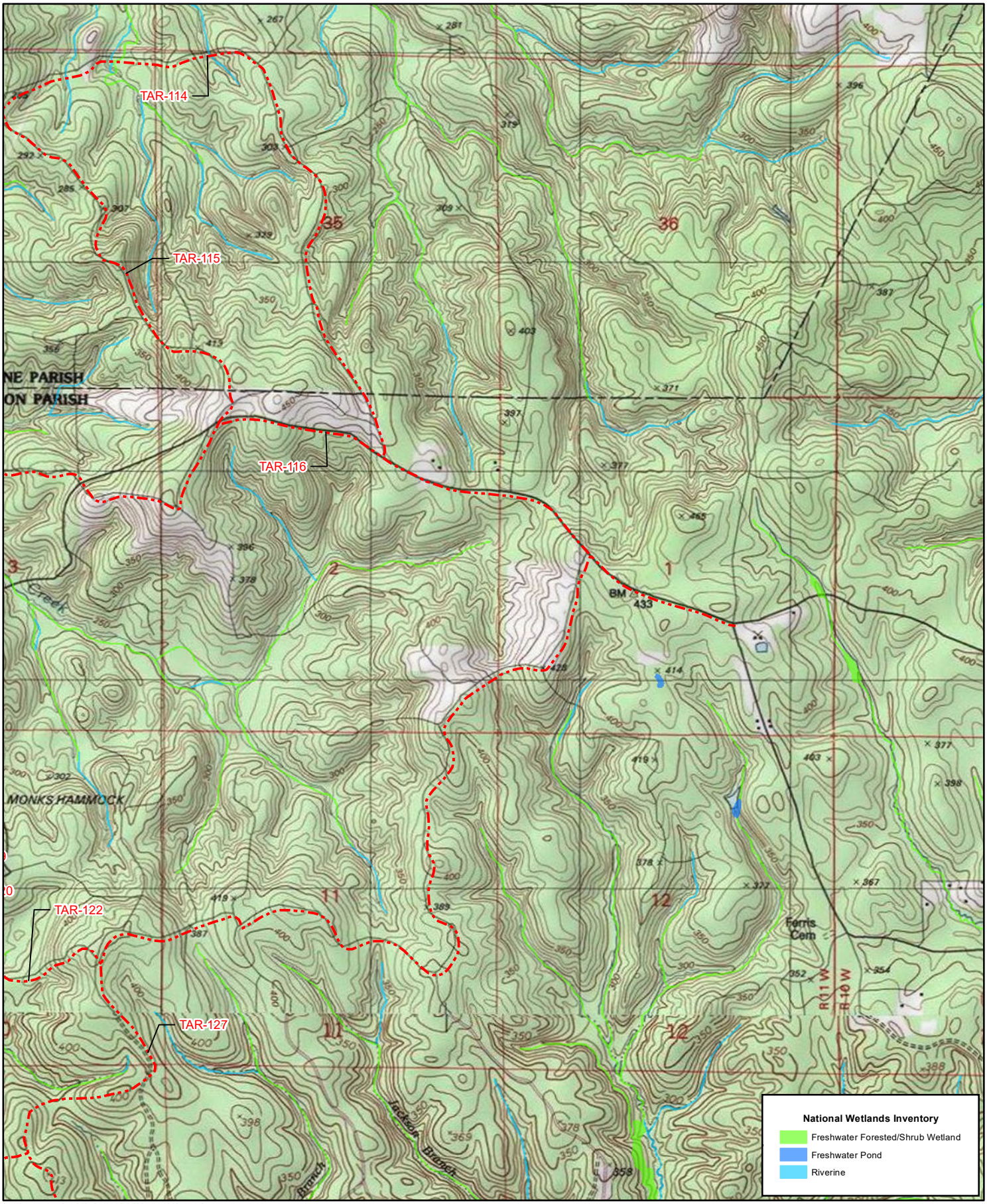
Line CP Pipeline

SWCA ENVIRONMENTAL CONSULTANTS

Created By: J. Fontenot
Project Number: 51456
Date: 6/8/2020
NAD 1983 UTM Zone 15N ft

0 1,000 2,000 Feet

0 200 400 600 Meters



GULF RUN PIPELINE

GULF RUN PIPELINE AND LINE CP MODIFICATIONS

Figure 2. Gulf Run Pipeline Topographic Map

Mile Post

Access Road

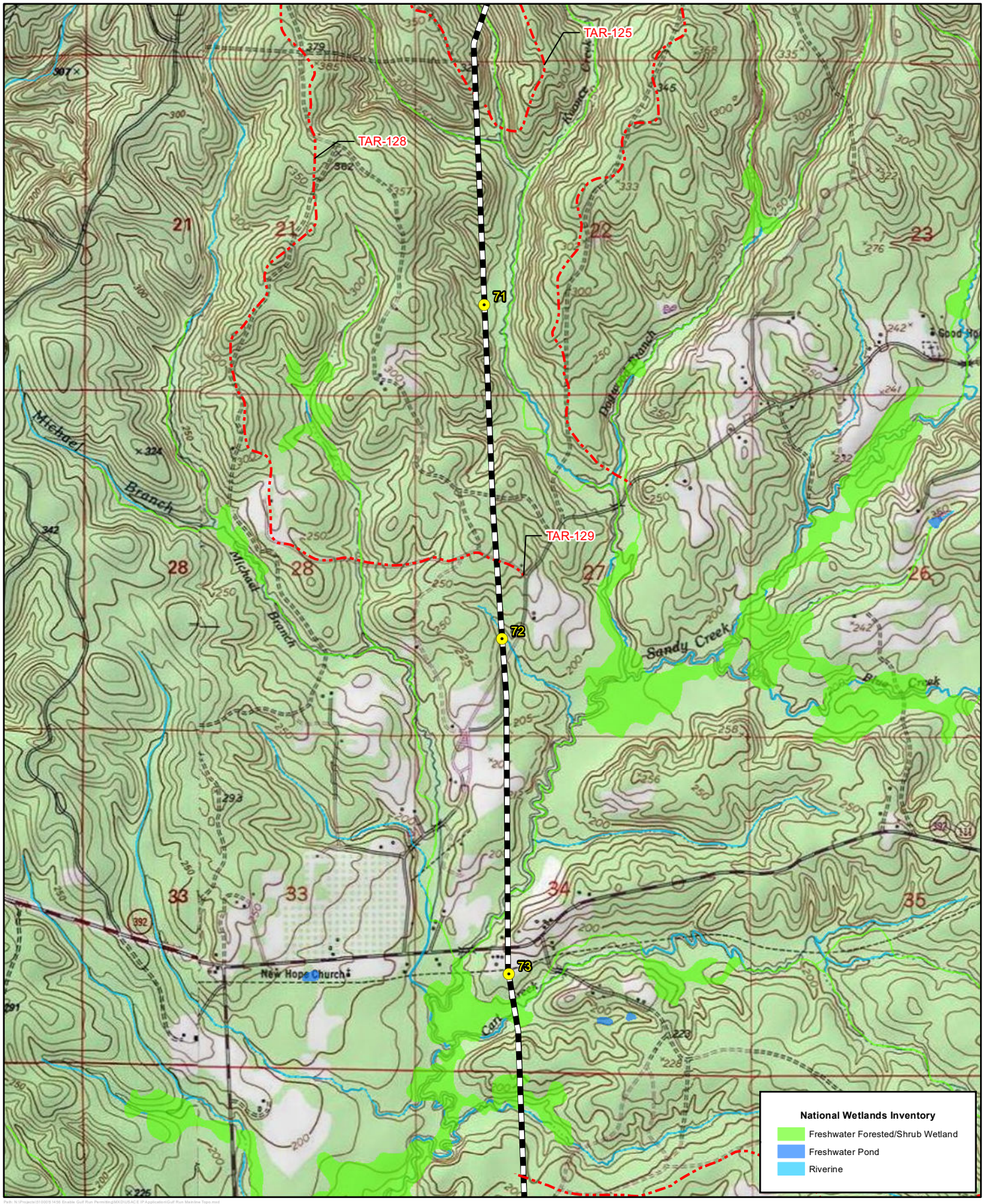
Line CP Pipeline

SWCA ENVIRONMENTAL CONSULTANTS

Created By: J. Fontenot
Project Number: 51456
Date: 6/3/2020
NAD 1983 UTM Zone 15N ft

0 1,000 2,000 Feet

0 200 400 600 Meters



GULF RUN PIPELINE

GULF RUN PIPELINE AND LINE CP MODIFICATIONS

Figure 2. Gulf Run Pipeline Topographic Map

Mile Post
Access Road
Gulf Run Pipeline
Line CP Pipeline

SWCA ENVIRONMENTAL CONSULTANTS

Created By: J. Fontenot
Project Number: 51456
Date: 6/3/2020
NAD 1983 UTM Zone 15N ft

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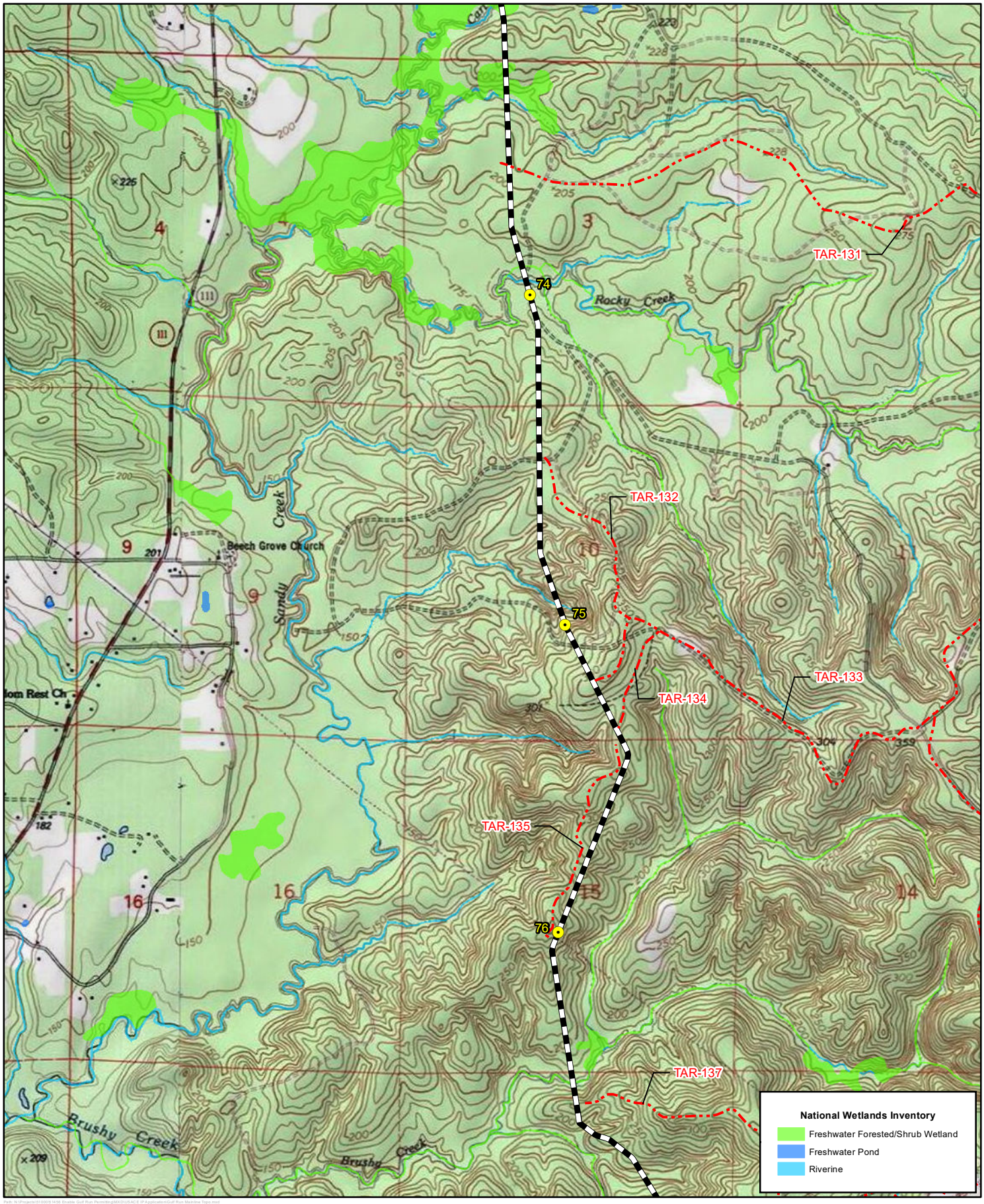
0 200 400 600 Meters



GULF RUN PIPELINE

GULF RUN PIPELINE AND LINE CP MODIFICATIONS

Figure 2. Gulf Run Pipeline Topographic Map

Mile Post

Access Road

Gulf Run Pipeline

Line CP Pipeline

SWCA ENVIRONMENTAL CONSULTANTS

Created By: J. Fontenot
Project Number: 51456
Date: 6/5/2020
NAD 1983 UTM Zone 15N ft

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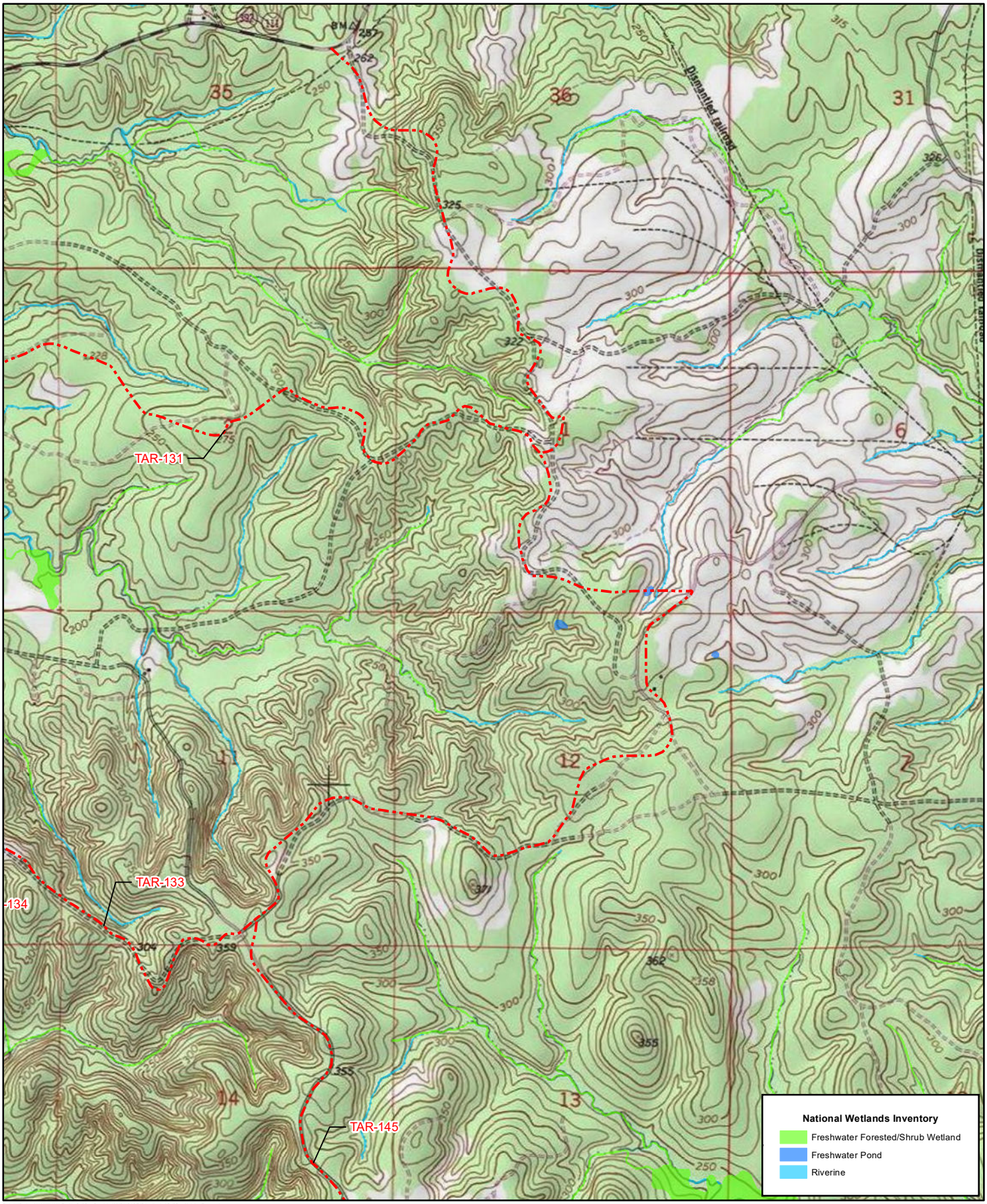
0 200 400 600 Meters



GULF RUN PIPELINE

GULF RUN PIPELINE AND LINE CP MODIFICATIONS

Figure 2. Gulf Run Pipeline Topographic Map

Mile Post

Access Road

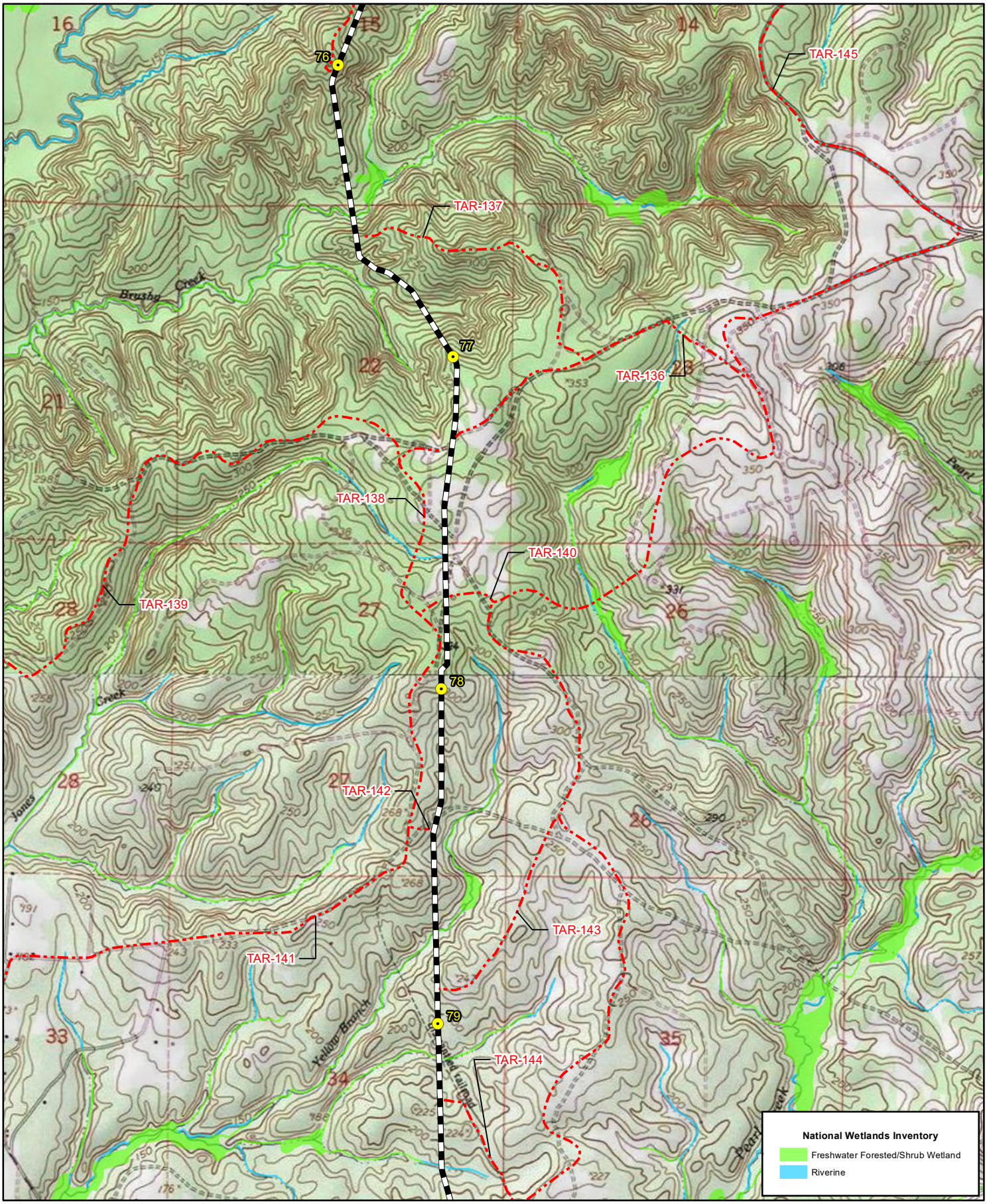
Line CP Pipeline

SWCA ENVIRONMENTAL CONSULTANTS

Created By: J. Fontenot
Project Number: 51456
Date: 6/3/2020
NAD 1983 UTM Zone 15N ft

0 1,000 2,000 Feet

0 200 400 600 Meters



GULF RUN PIPELINE

GULF RUN PIPELINE AND LINE CP MODIFICATIONS

Figure 2. Gulf Run Pipeline Topographic Map

Mile Post
Access Road
Gulf Run Pipeline
Line CP Pipeline

SWCA ENVIRONMENTAL CONSULTANTS

Created By: J. Fontenot
Project Number: 51456
Date: 6/3/2020
NAD 1983 UTM Zone 15N ft

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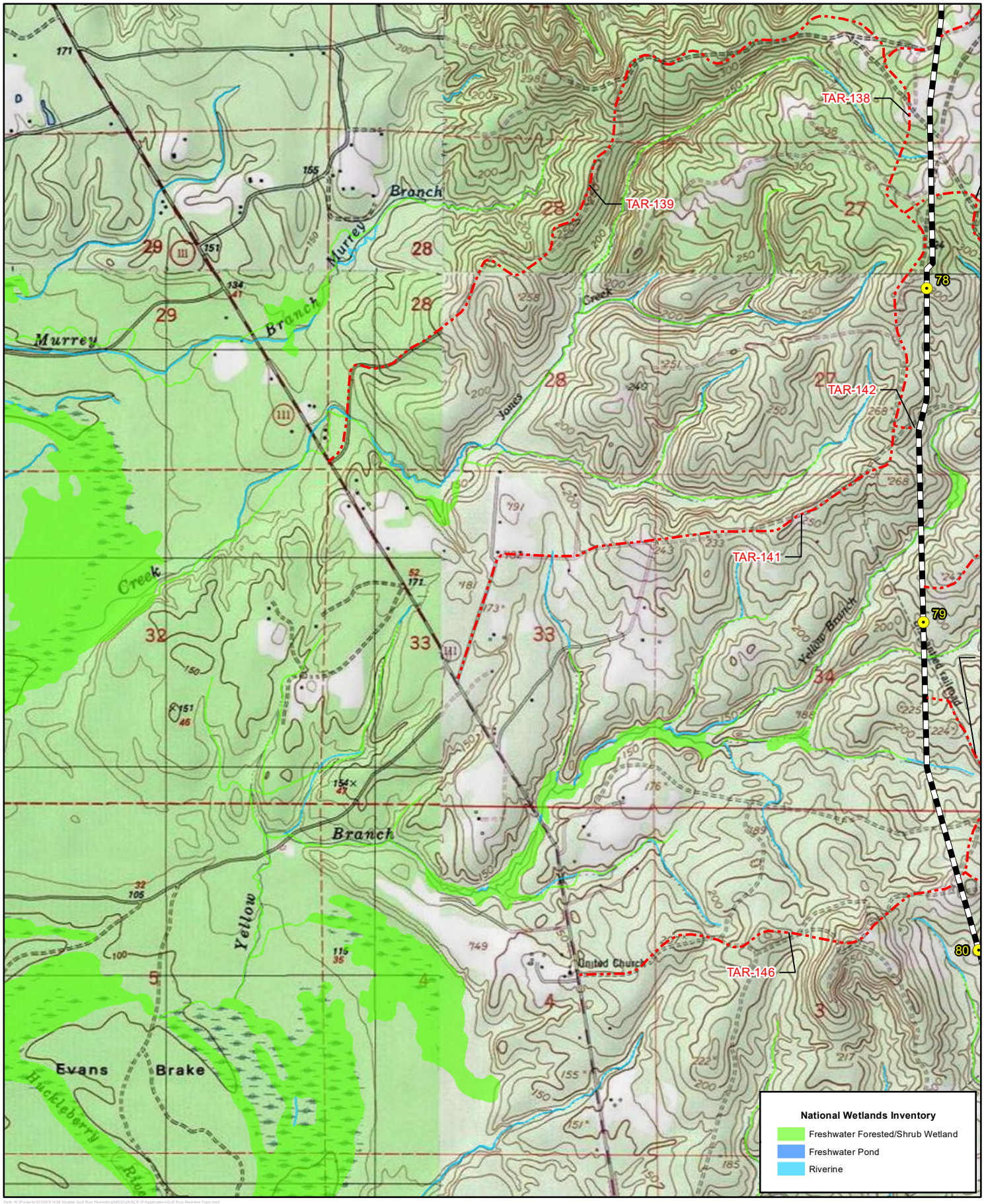

GULF RUN PIPELINE

GULF RUN PIPELINE AND LINE CP MODIFICATIONS

Figure 2. Gulf Run Pipeline Topographic Map

Mile Post

Access Road

Gulf Run Pipeline

Line CP Pipeline

SWCA ENVIRONMENTAL CONSULTANTS

Created By: J. Fontenot
Project Number: 51456
Date: 6/3/2020
NAD 1983 UTM Zone 15N ft

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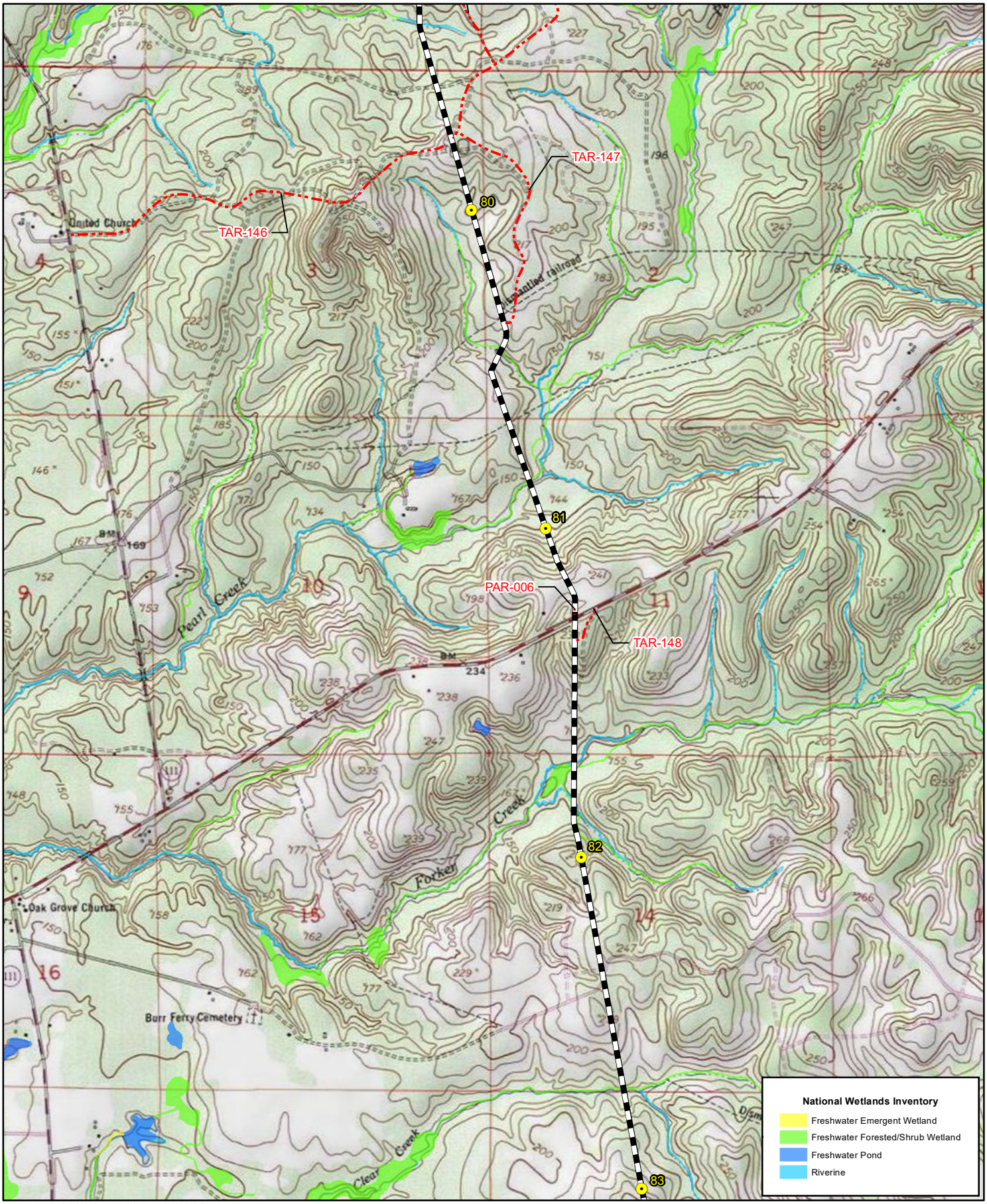

GULF RUN PIPELINE

GULF RUN PIPELINE AND LINE CP MODIFICATIONS

Figure 2. Gulf Run Pipeline Topographic Map

Mile Post
Access Road
Gulf Run Pipeline
Line CP Pipeline

SWCA ENVIRONMENTAL CONSULTANTS

Created By: J. Fontenot
Project Number: 51456
Date: 6/9/2020
NAD 1983 UTM Zone 15N ft

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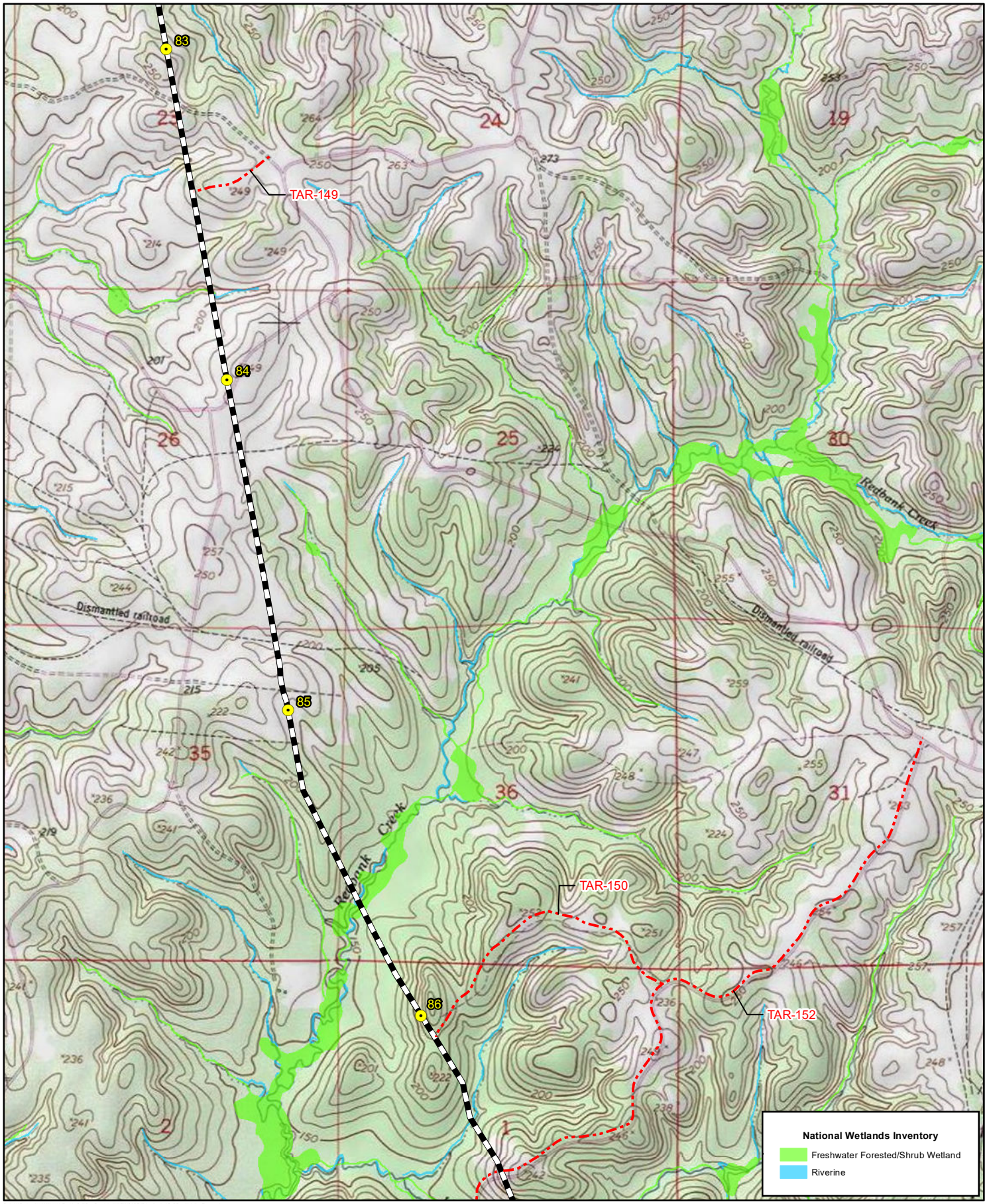

GULF RUN PIPELINE

GULF RUN PIPELINE AND LINE CP MODIFICATIONS

Figure 2. Gulf Run Pipeline Topographic Map

Mile Post
Access Road
Gulf Run Pipeline
Line CP Pipeline

SWCA ENVIRONMENTAL CONSULTANTS

Created By: J. Fontenot
Project Number: 51456
Date: 6/5/2020
NAD 1983 UTM Zone 15N ft

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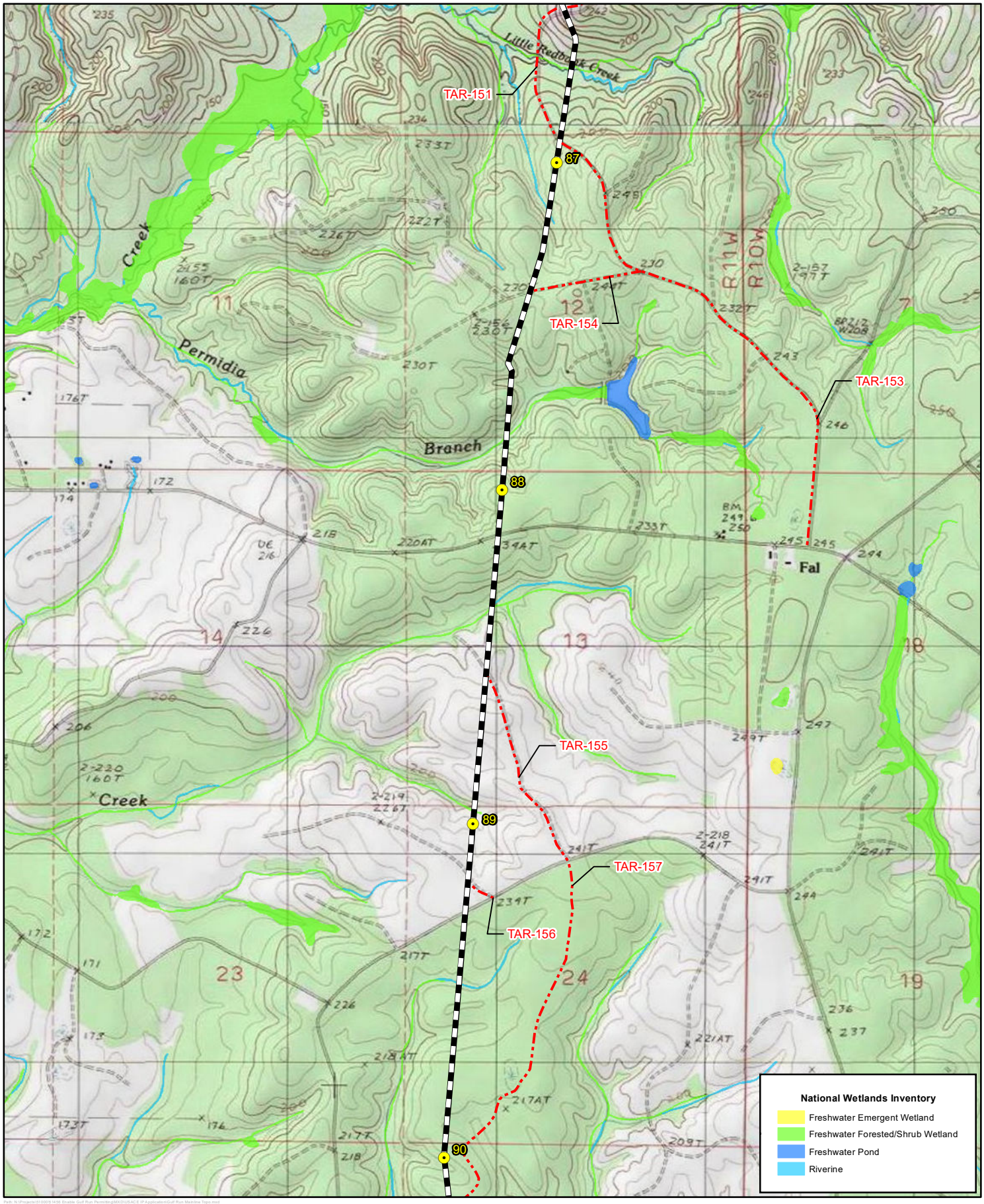

GULF RUN PIPELINE

GULF RUN PIPELINE AND LINE CP MODIFICATIONS

Figure 2. Gulf Run Pipeline Topographic Map

Mile Post
Access Road
Gulf Run Pipeline
Line CP Pipeline

SWCA ENVIRONMENTAL CONSULTANTS

Created By: J. Fontenot
Project Number: 51456
Date: 6/3/2020
NAD 1983 UTM Zone 15N ft

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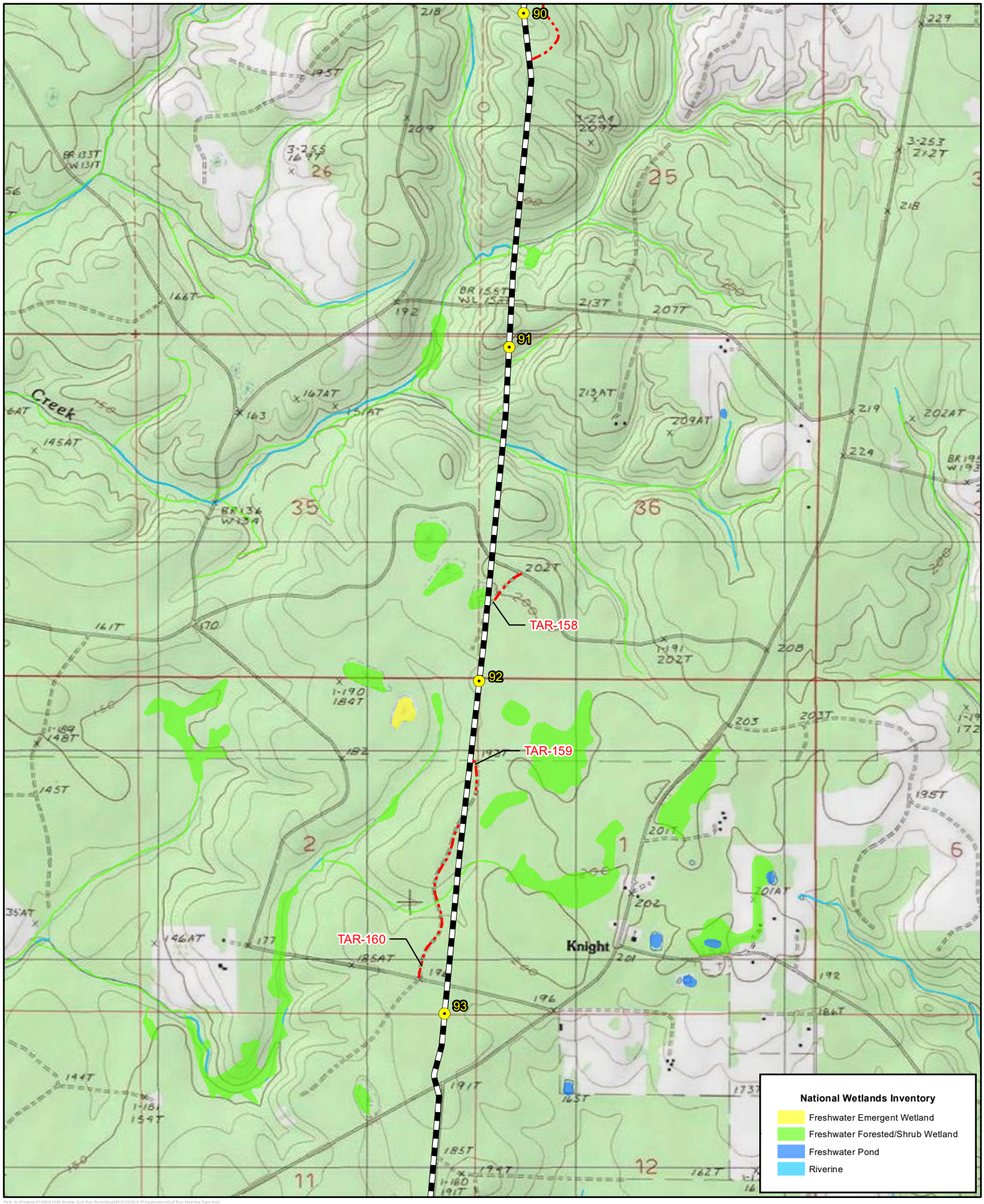

GULF RUN PIPELINE

GULF RUN PIPELINE AND LINE CP MODIFICATIONS

Figure 2. Gulf Run Pipeline Topographic Map

Mile Post
Access Road
Gulf Run Pipeline
Line CP Pipeline

SWCA ENVIRONMENTAL CONSULTANTS

Created By: J. Fontenot
Project Number: 51456
Date: 6/3/2020
NAD 1983 UTM Zone 15N ft

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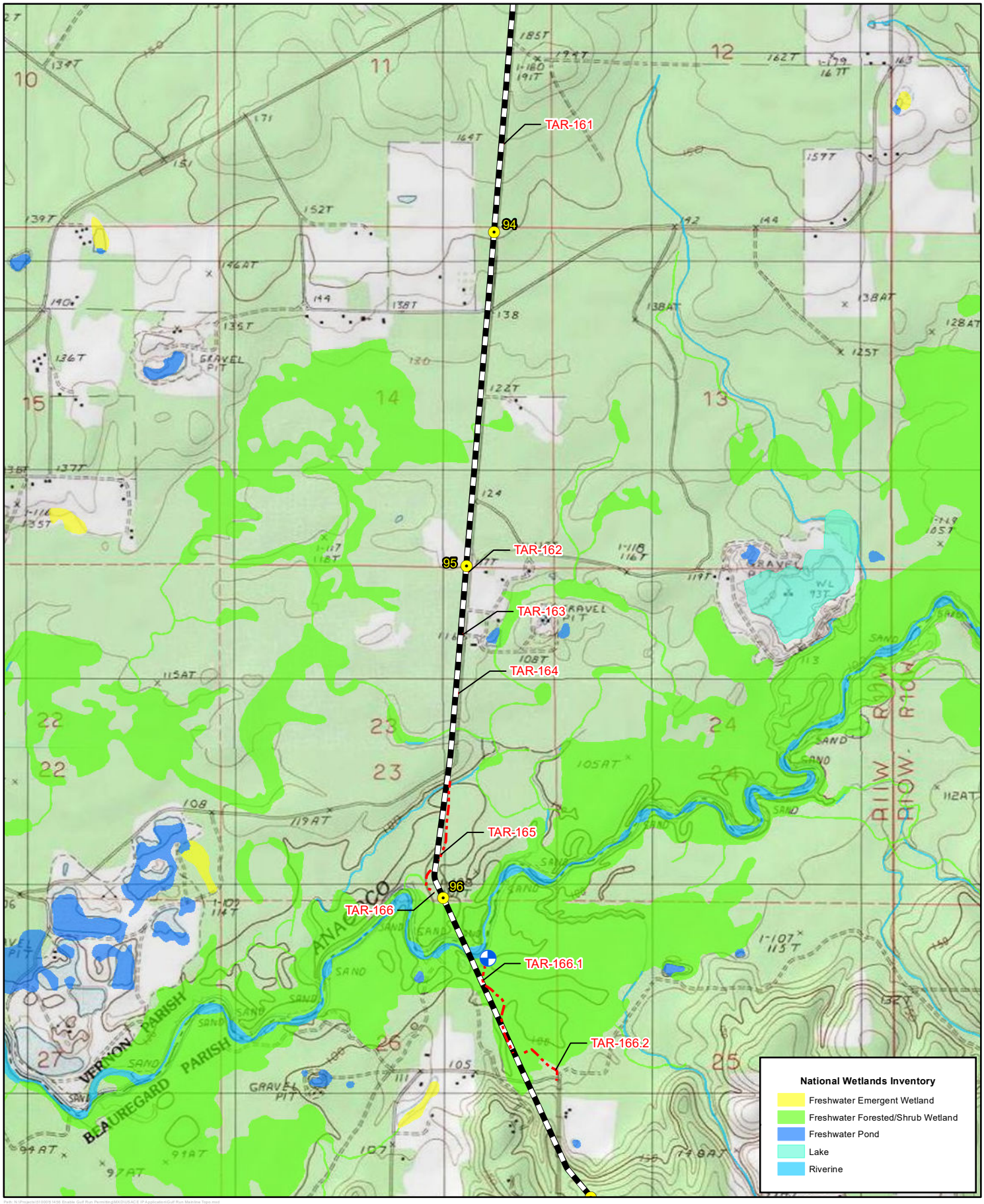
0 200 400 600 Meters



GULF RUN PIPELINE

GULF RUN PIPELINE AND LINE CP MODIFICATIONS

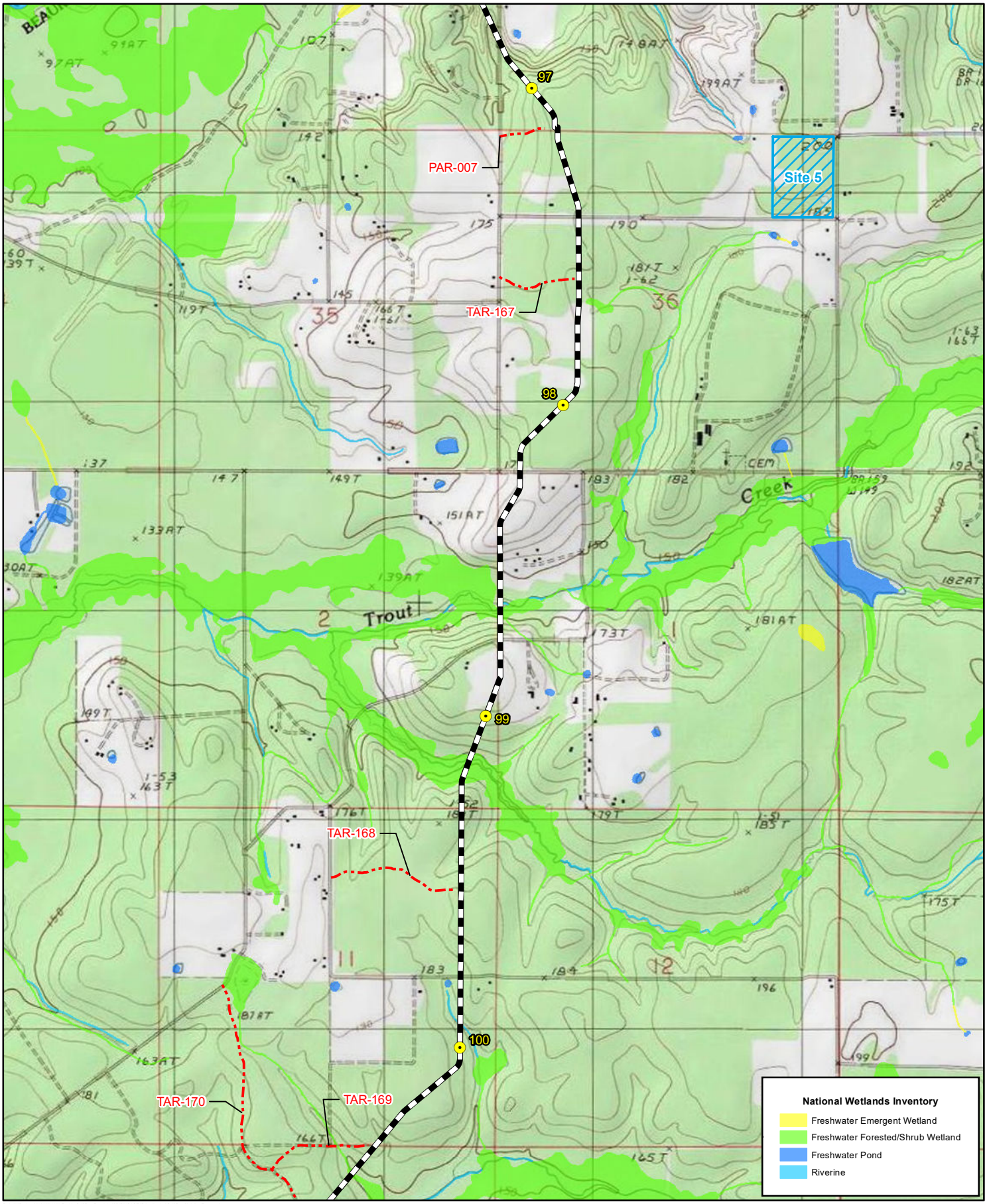
Figure 2. Gulf Run Pipeline Topographic Map

Water Withdrawal Location
Mile Post
Access Road
Gulf Run Pipeline
Line CP Pipeline

SWCA ENVIRONMENTAL CONSULTANTS

Created By: J. Fontenot
Project Number: 51456
Date: 6/3/2020
NAD 1983 UTM Zone 15N ft

0 1,000 2,000 Feet
0 200 400 600 Meters



GULF RUN PIPELINE

GULF RUN PIPELINE AND LINE CP MODIFICATIONS

Figure 2. Gulf Run Pipeline Topographic Map

Mile Post
Access Road
Gulf Run Pipeline
Line CP Pipeline
Pipe/Contractor Yard

SWCA ENVIRONMENTAL CONSULTANTS

Created By: J. Fontenot
Project Number: 51456
Date: 6/3/2020
NAD 1983 UTM Zone 15N ft

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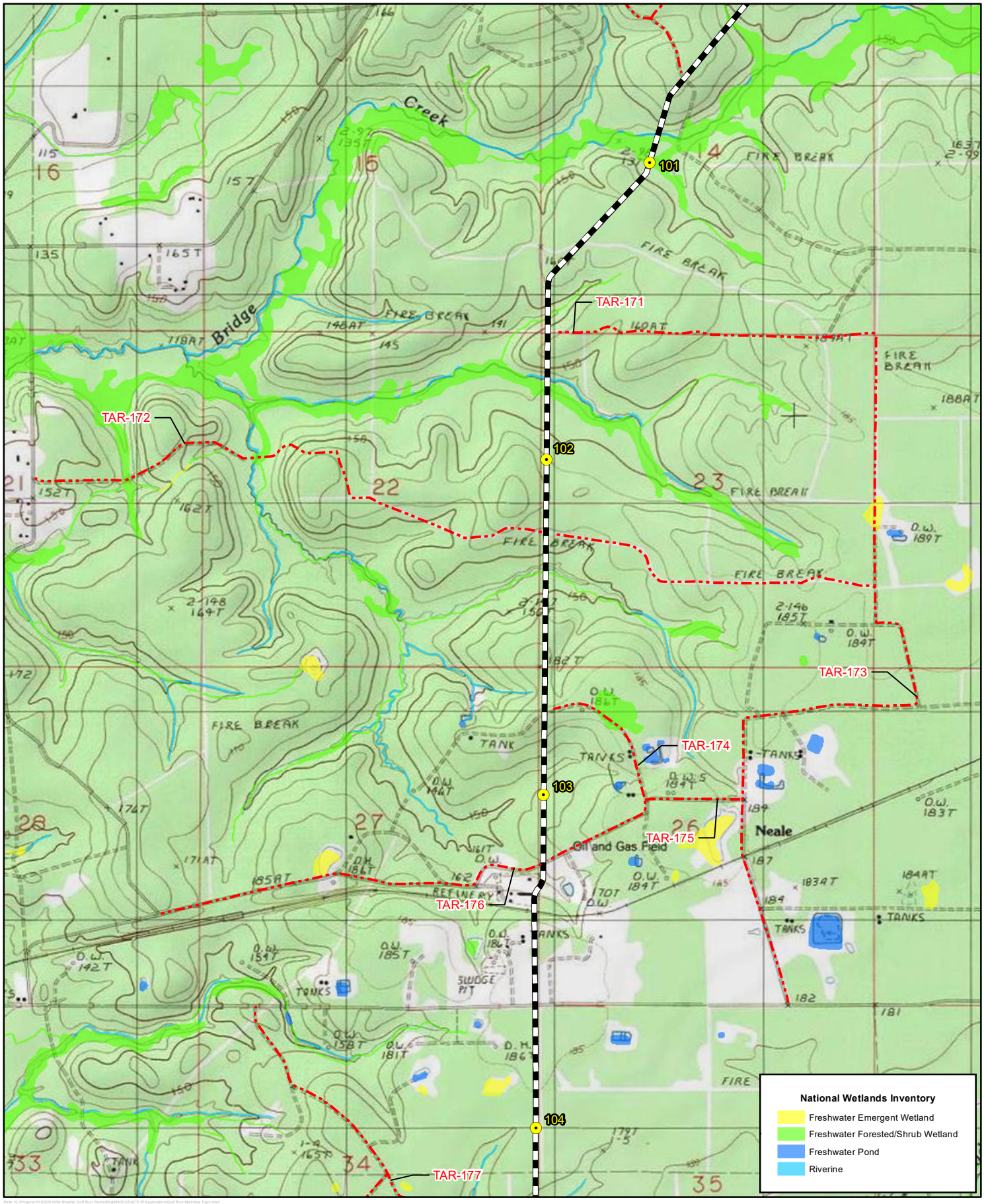
0 200 400 600 Meters



GULF RUN PIPELINE

GULF RUN PIPELINE AND LINE CP MODIFICATIONS

Figure 2. Gulf Run Pipeline Topographic Map

Mile Post
Access Road
Gulf Run Pipeline
Line CP Pipeline

SWCA ENVIRONMENTAL CONSULTANTS

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NAD 1983 UTM Zone 15N ft

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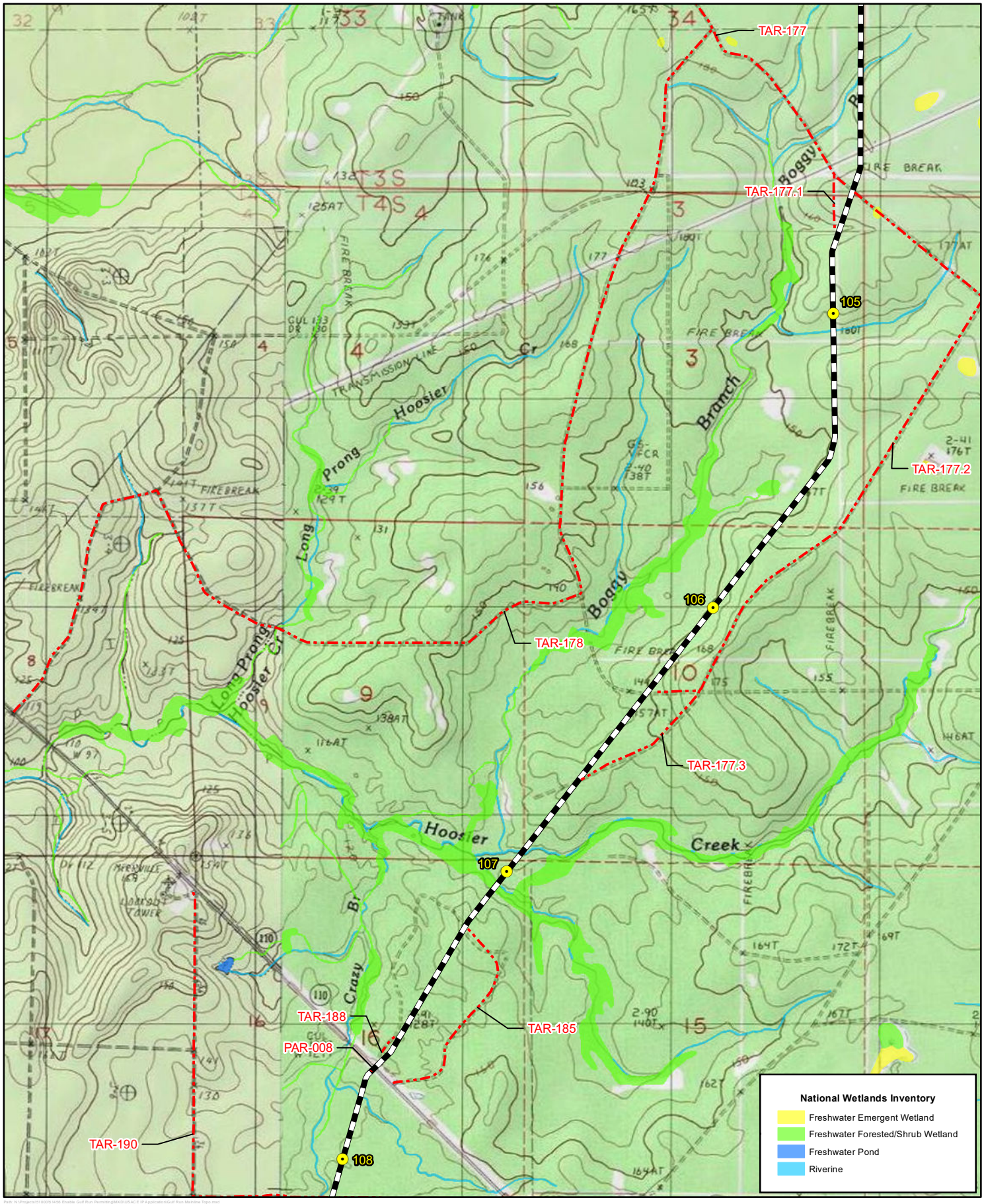
0 200 400 600 Meters



GULF RUN PIPELINE

GULF RUN PIPELINE AND LINE CP MODIFICATIONS

Figure 2. Gulf Run Pipeline Topographic Map

Mile Post
Access Road
Gulf Run Pipeline
Line CP Pipeline

SWCA ENVIRONMENTAL CONSULTANTS

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Date: 6/3/2020
NAD 1983 UTM Zone 15N ft

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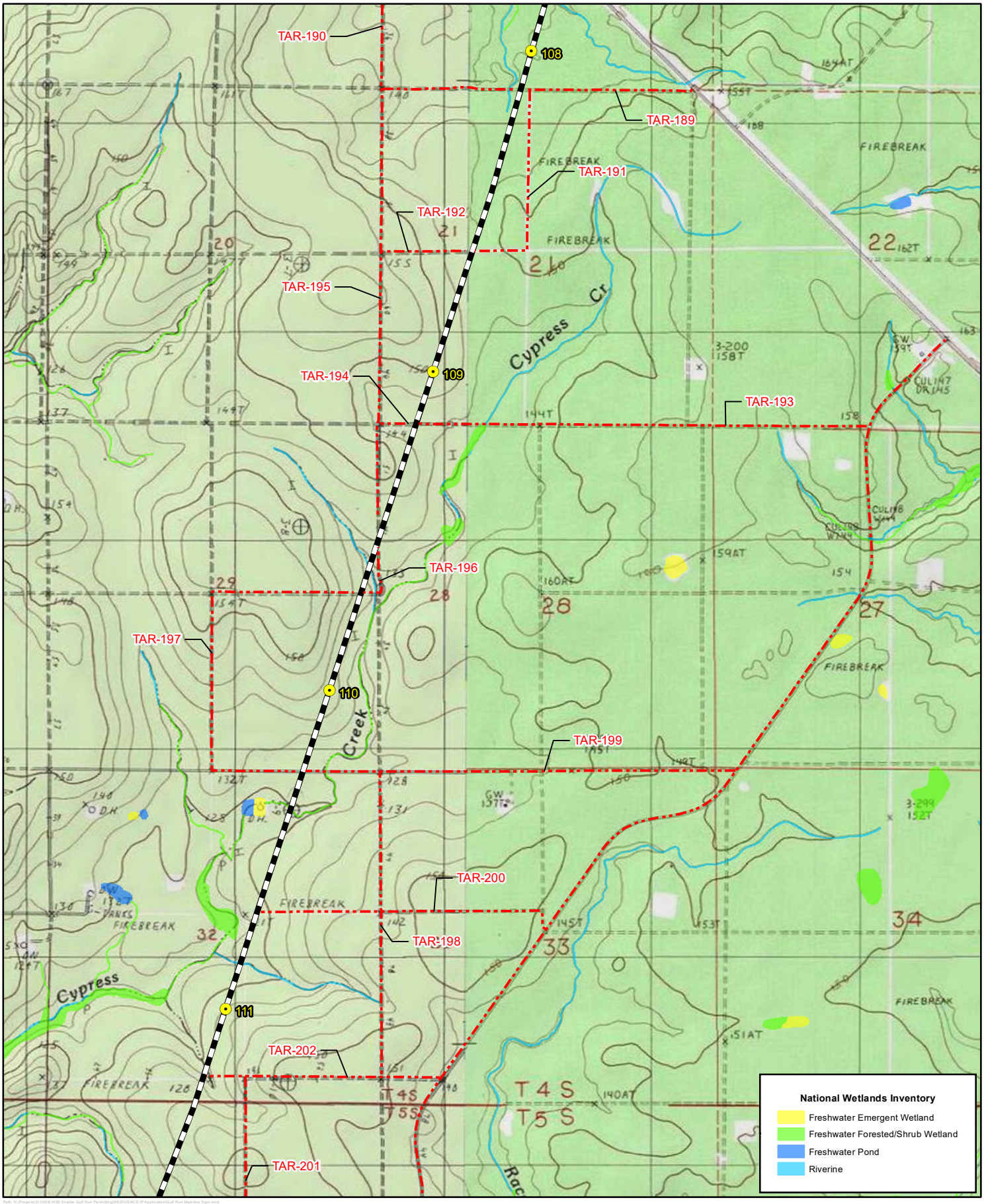
0 200 400 600 Meters



GULF RUN PIPELINE

GULF RUN PIPELINE AND LINE CP MODIFICATIONS

Figure 2. Gulf Run Pipeline Topographic Map

Mile Post
Access Road
Gulf Run Pipeline
Line CP Pipeline

SWCA ENVIRONMENTAL CONSULTANTS

Created By: J. Fontenot
Project Number: 51456
Date: 6/5/2020
NAD 1983 UTM Zone 15N ft

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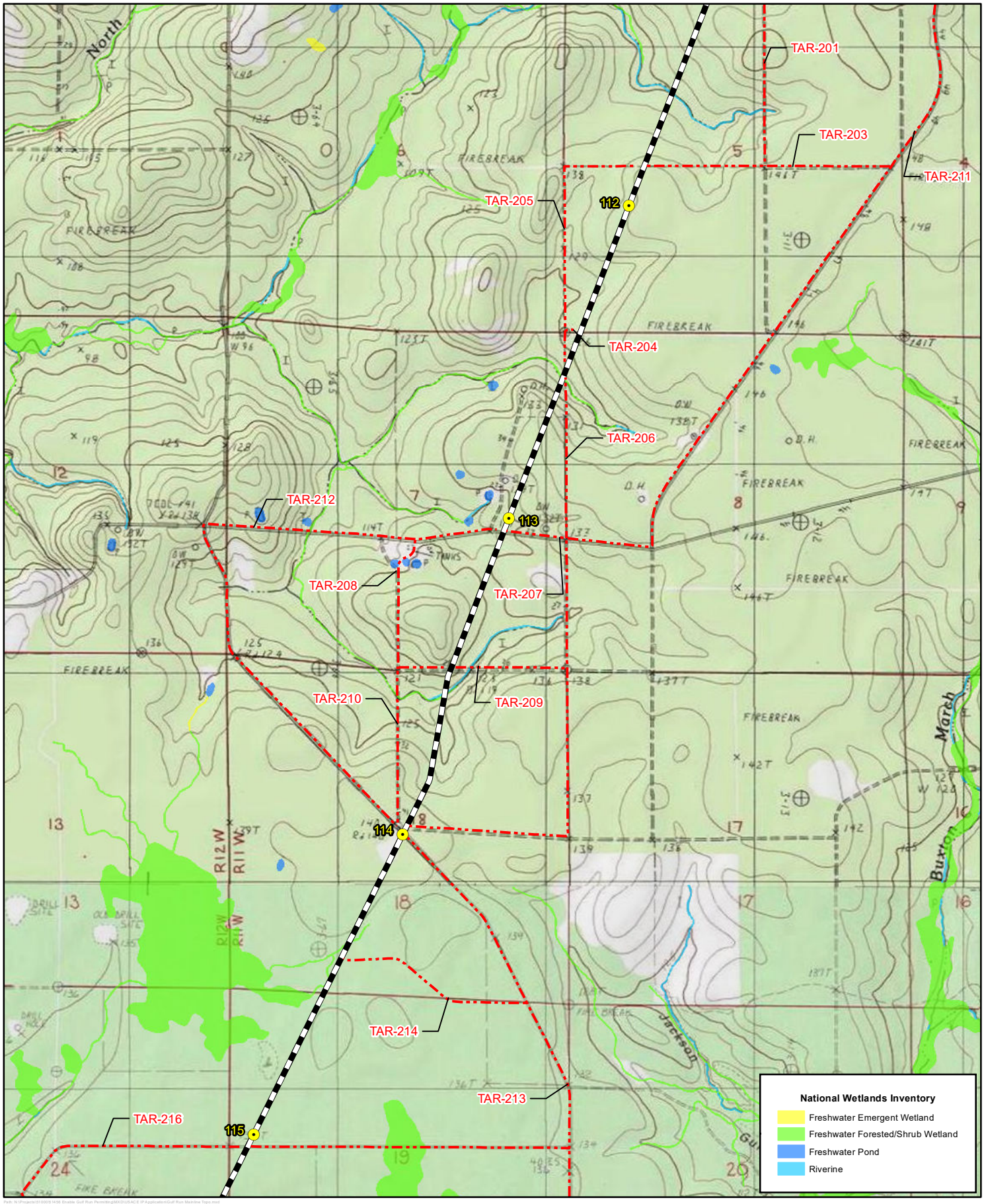


GULF RUN PIPELINE

GULF RUN PIPELINE AND LINE CP MODIFICATIONS

Figure 2. Gulf Run Pipeline Topographic Map

Mile Post

Access Road

Gulf Run Pipeline

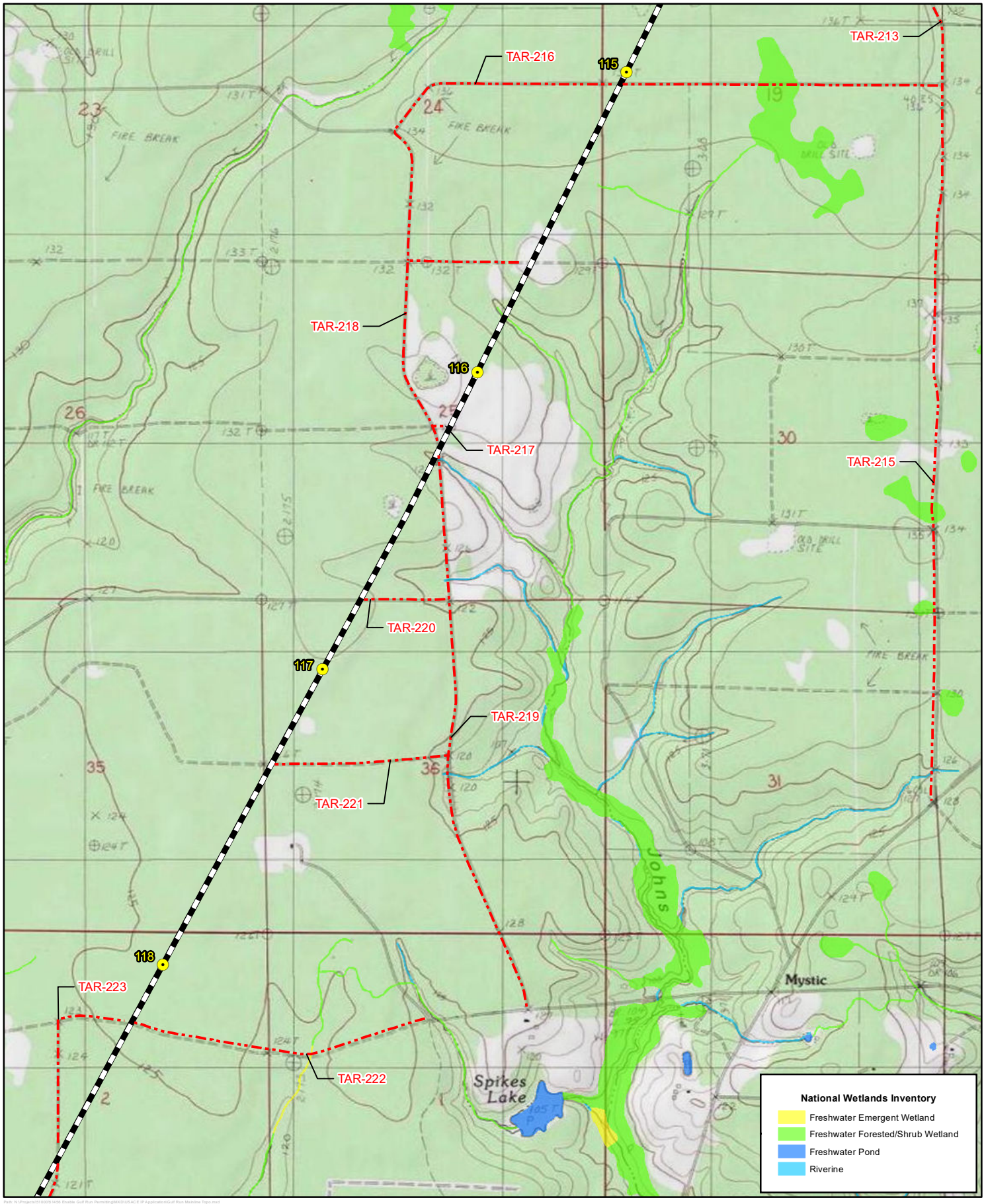
Line CP Pipeline

SWCA ENVIRONMENTAL CONSULTANTS

Created By: J. Fontenot
Project Number: 51456
Date: 6/3/2020
NAD 1983 UTM Zone 15N ft

0 1,000 2,000 Feet

0 200 400 600 Meters



GULF RUN PIPELINE

GULF RUN PIPELINE AND LINE CP MODIFICATIONS

Figure 2. Gulf Run Pipeline Topographic Map

Mile Post

Access Road

Gulf Run Pipeline

Line CP Pipeline

SWCA ENVIRONMENTAL CONSULTANTS

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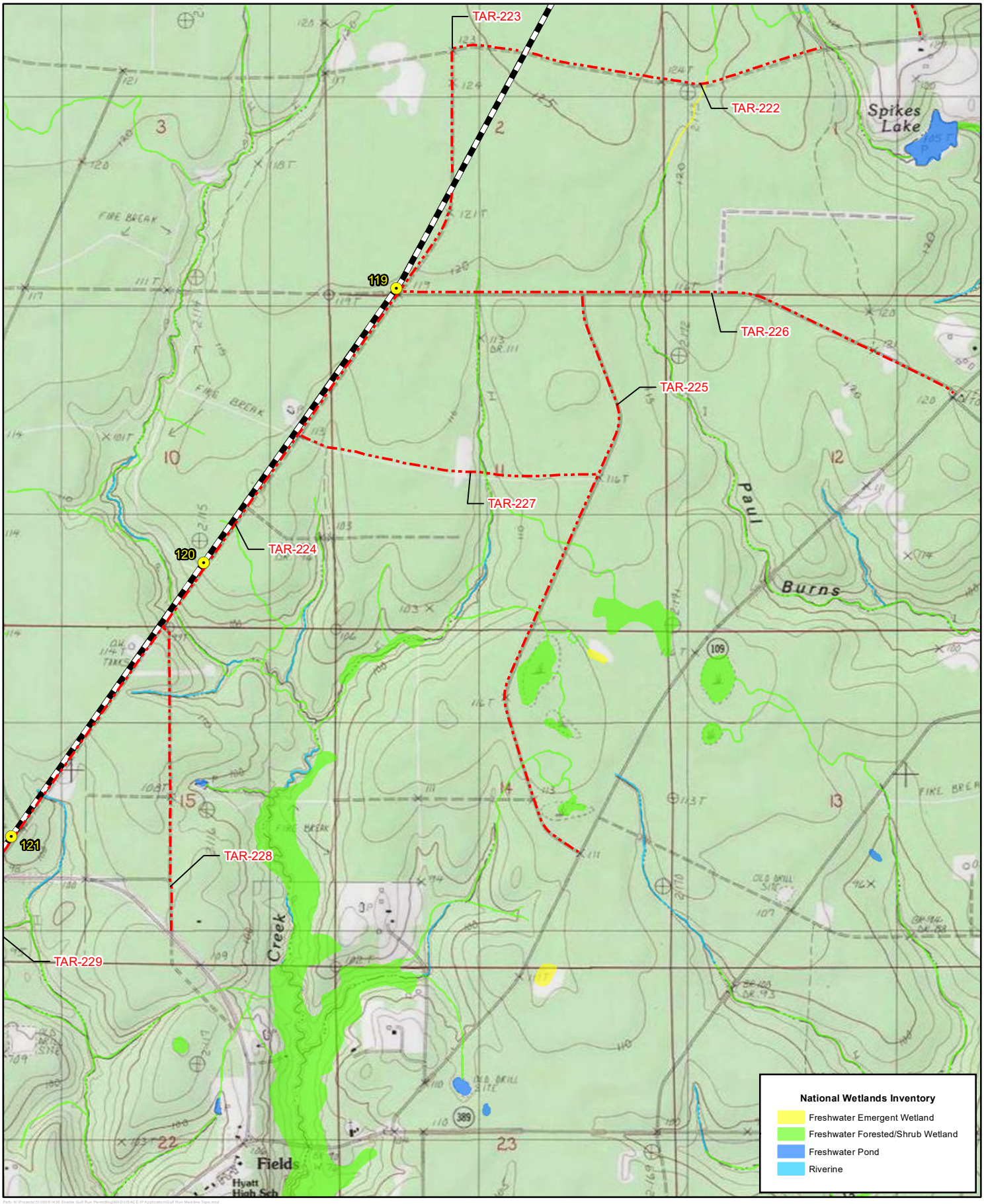
Date: 6/3/2020
NAD 1983 UTM Zone 15N ft

0 1,000 2,000 Feet

0 200 400 600 Meters



GULF RUN PIPELINE

GULF RUN PIPELINE AND LINE CP MODIFICATIONS

Figure 2. Gulf Run Pipeline Topographic Map

Mile Post
Access Road
Gulf Run Pipeline
Line CP Pipeline

SWCA ENVIRONMENTAL CONSULTANTS

Created By: J. Fontenot
Project Number: 51456
Date: 6/8/2020
NAD 1983 UTM Zone 15N ft

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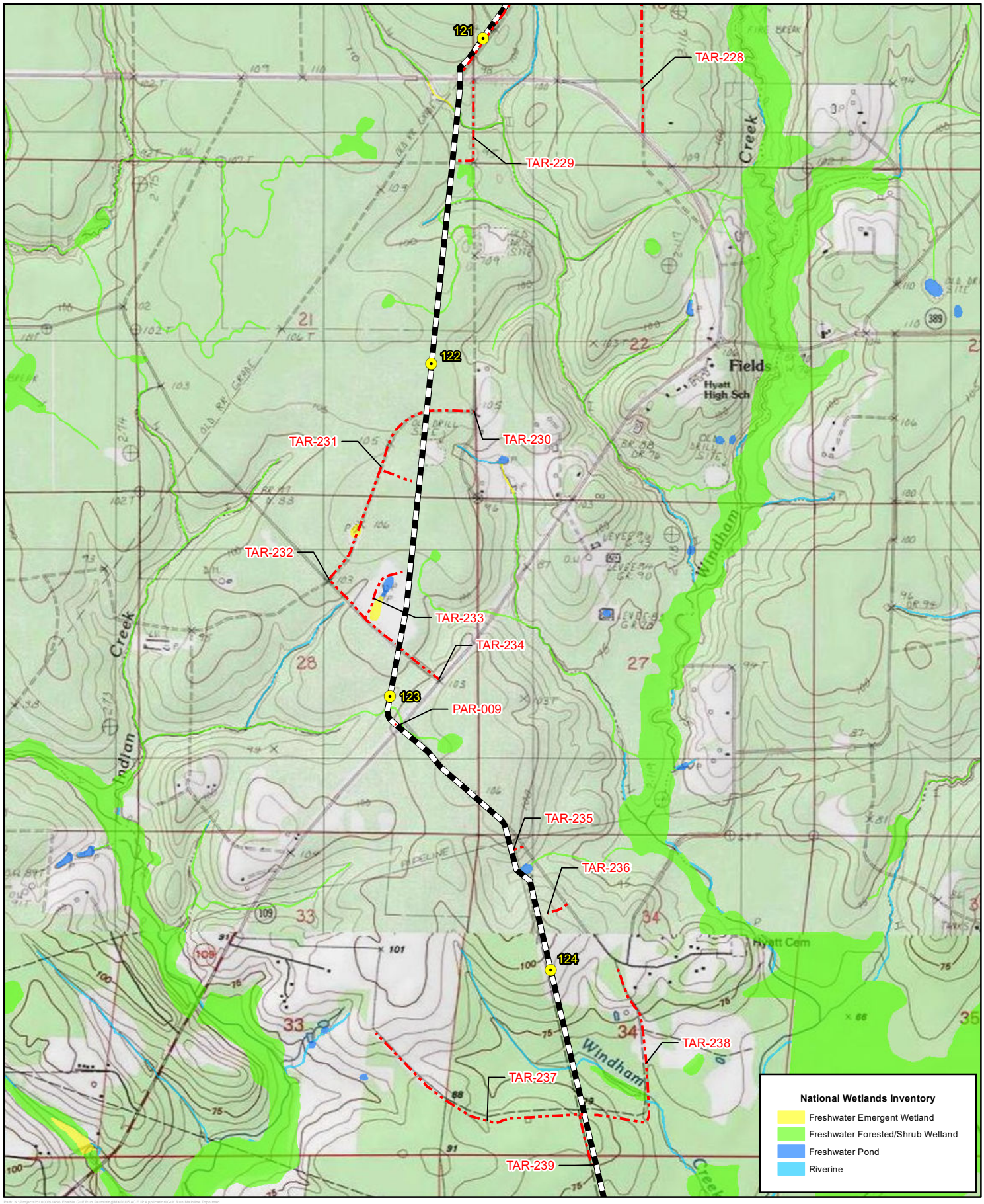
0 200 400 600 Meters



GULF RUN PIPELINE

GULF RUN PIPELINE AND LINE CP MODIFICATIONS

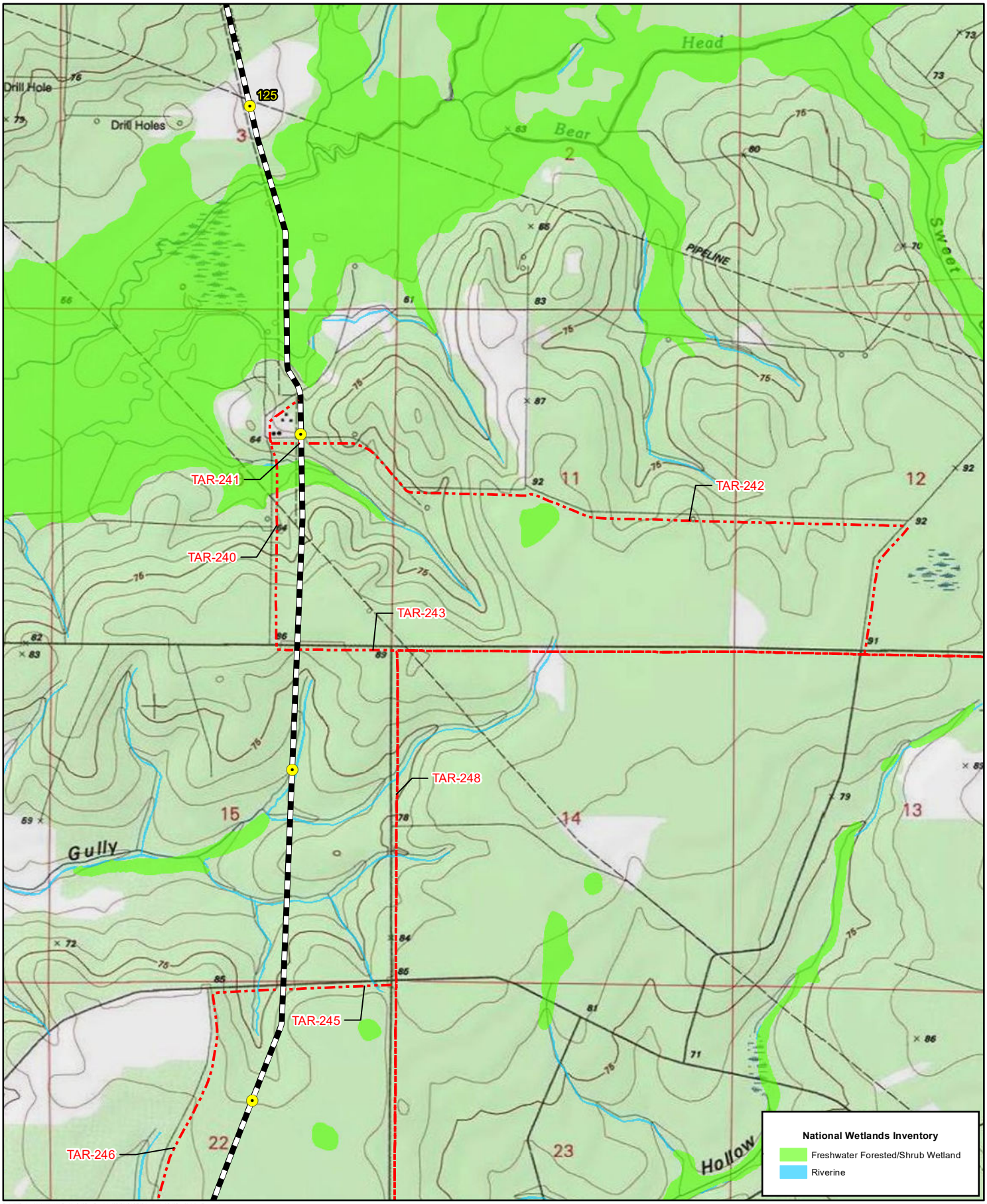
Figure 2. Gulf Run Pipeline Topographic Map

Mile Post
Access Road
Gulf Run Pipeline
Line CP Pipeline

SWCA ENVIRONMENTAL CONSULTANTS

Created By: J. Fontenot
Project Number: 51456
Date: 6/3/2020
NAD 1983 UTM Zone 15N ft

0 1,000 2,000 Feet
0 200 400 600 Meters



GULF RUN PIPELINE

GULF RUN PIPELINE AND LINE CP MODIFICATIONS

Figure 2. Gulf Run Pipeline Topographic Map

Mile Post

Access Road

Gulf Run Pipeline

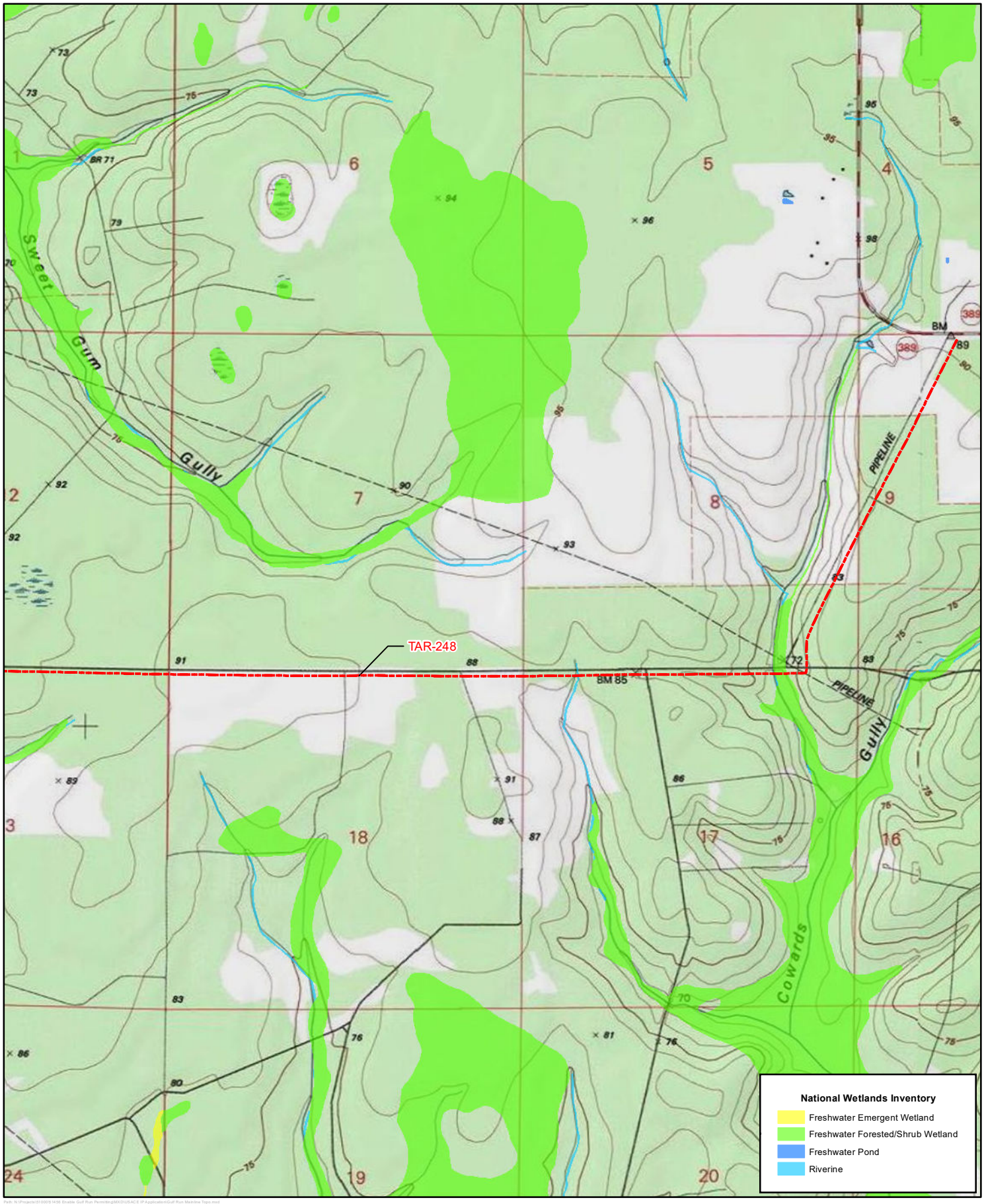
Line CP Pipeline

SWCA ENVIRONMENTAL CONSULTANTS

Created By: J. Fontenot
Project Number: 51456
Date: 6/3/2020
NAD 1983 UTM Zone 15N ft

0 1,000 2,000 Feet

0 200 400 600 Meters



GULF RUN PIPELINE

GULF RUN PIPELINE AND LINE CP MODIFICATIONS

Figure 2. Gulf Run Pipeline Topographic Map

Mile Post

Access Road

Line CP Pipeline

SWCA ENVIRONMENTAL CONSULTANTS

Created By: J. Fontenot
Project Number: 51456
Date: 6/3/2020
NAD 1983 UTM Zone 15N ft

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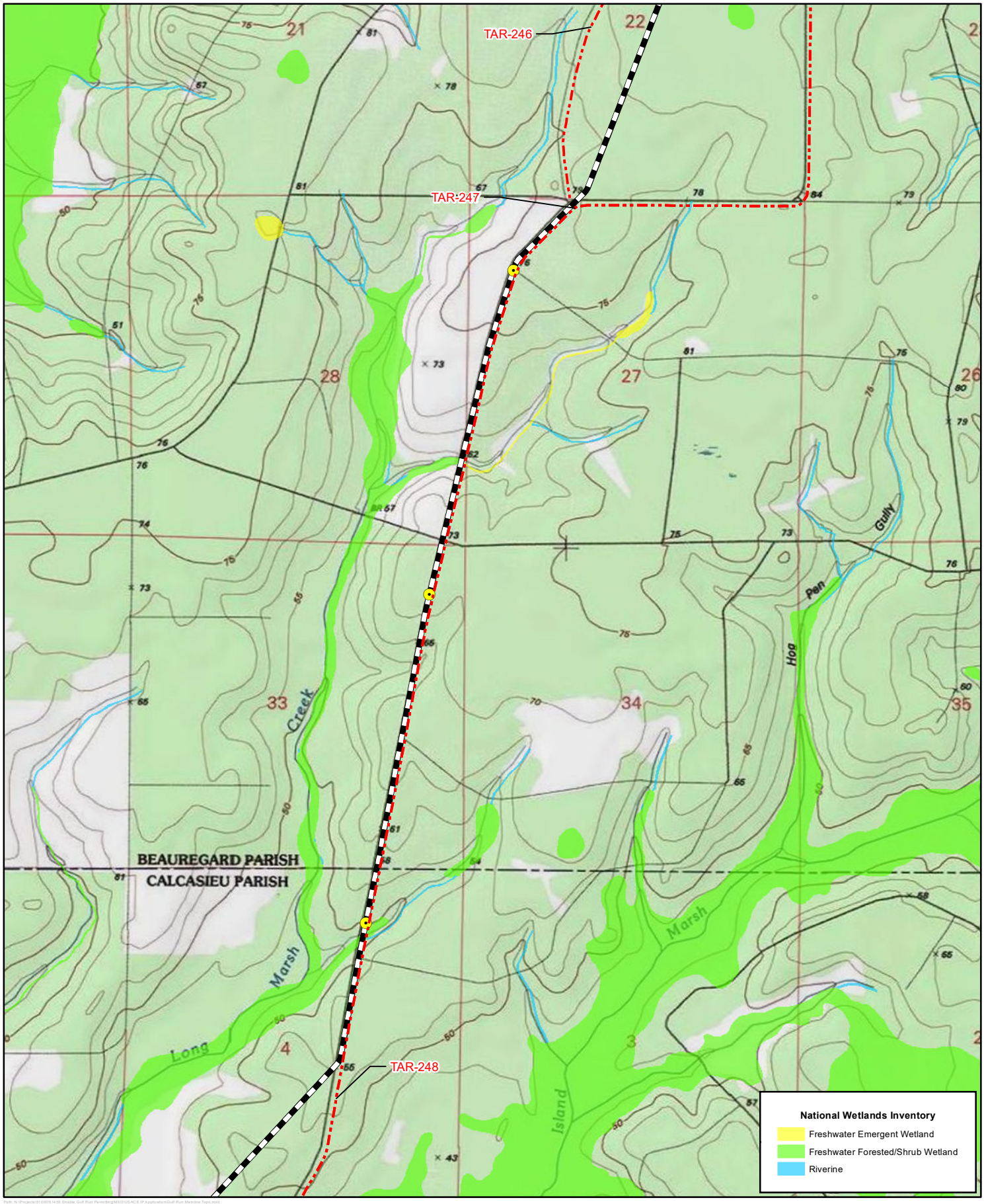

GULF RUN PIPELINE

GULF RUN PIPELINE AND LINE CP MODIFICATIONS

Figure 2. Gulf Run Pipeline Topographic Map

Mile Post
Access Road
Gulf Run Pipeline
Line CP Pipeline

SWCA ENVIRONMENTAL CONSULTANTS

Created By: J. Fontenot
Project Number: 51456
Date: 6/3/2020
NAD 1983 UTM Zone 15N ft

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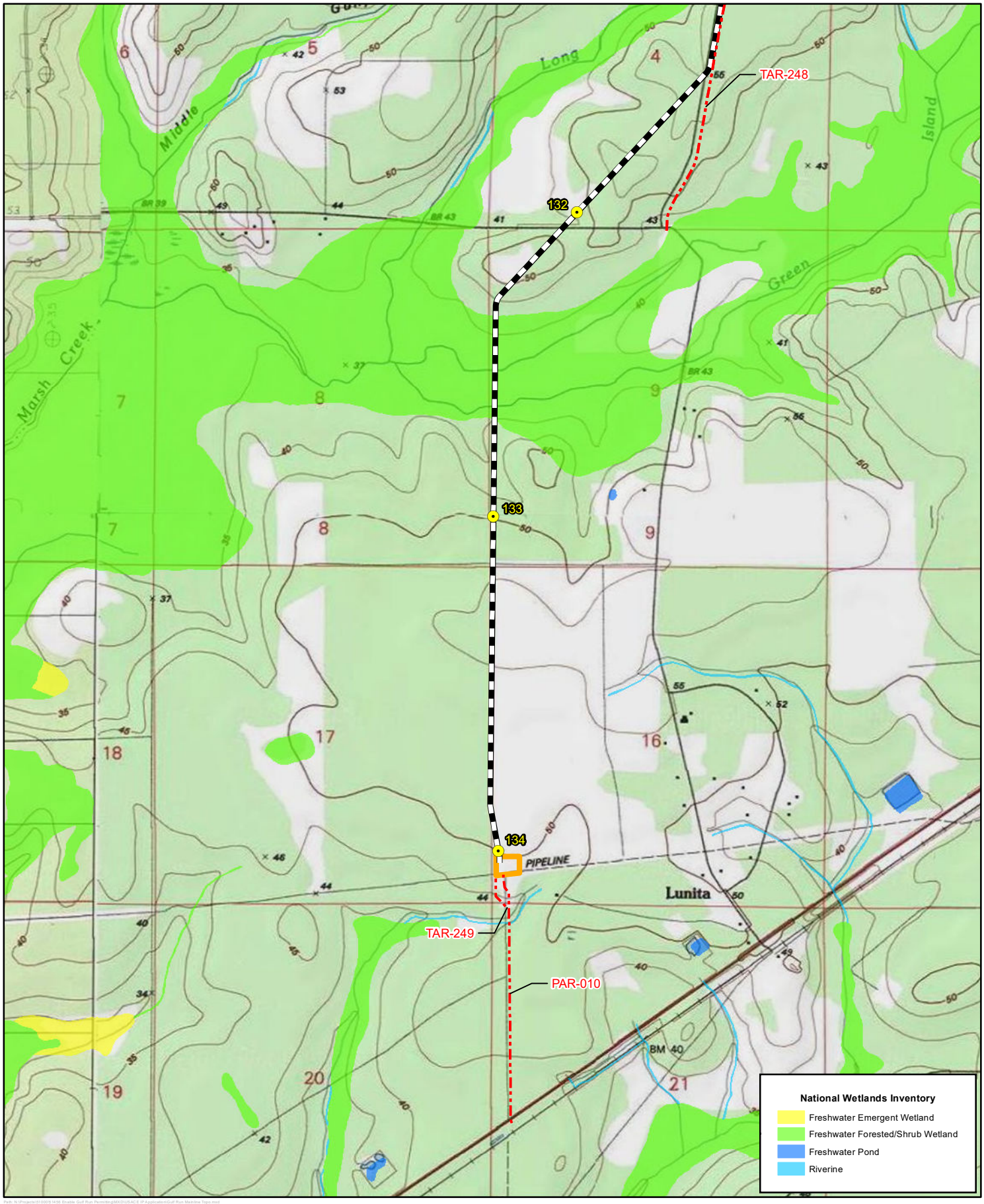

GULF RUN PIPELINE

GULF RUN PIPELINE AND LINE CP MODIFICATIONS

Figure 2. Gulf Run Pipeline Topographic Map

Mile Post
Access Road
Gulf Run Pipeline
Line CP Pipeline
Meter Station

SWCA ENVIRONMENTAL CONSULTANTS

Created By: J. Fontenot
Project Number: 51456
Date: 6/3/2020
NAD 1983 UTM Zone 15N ft

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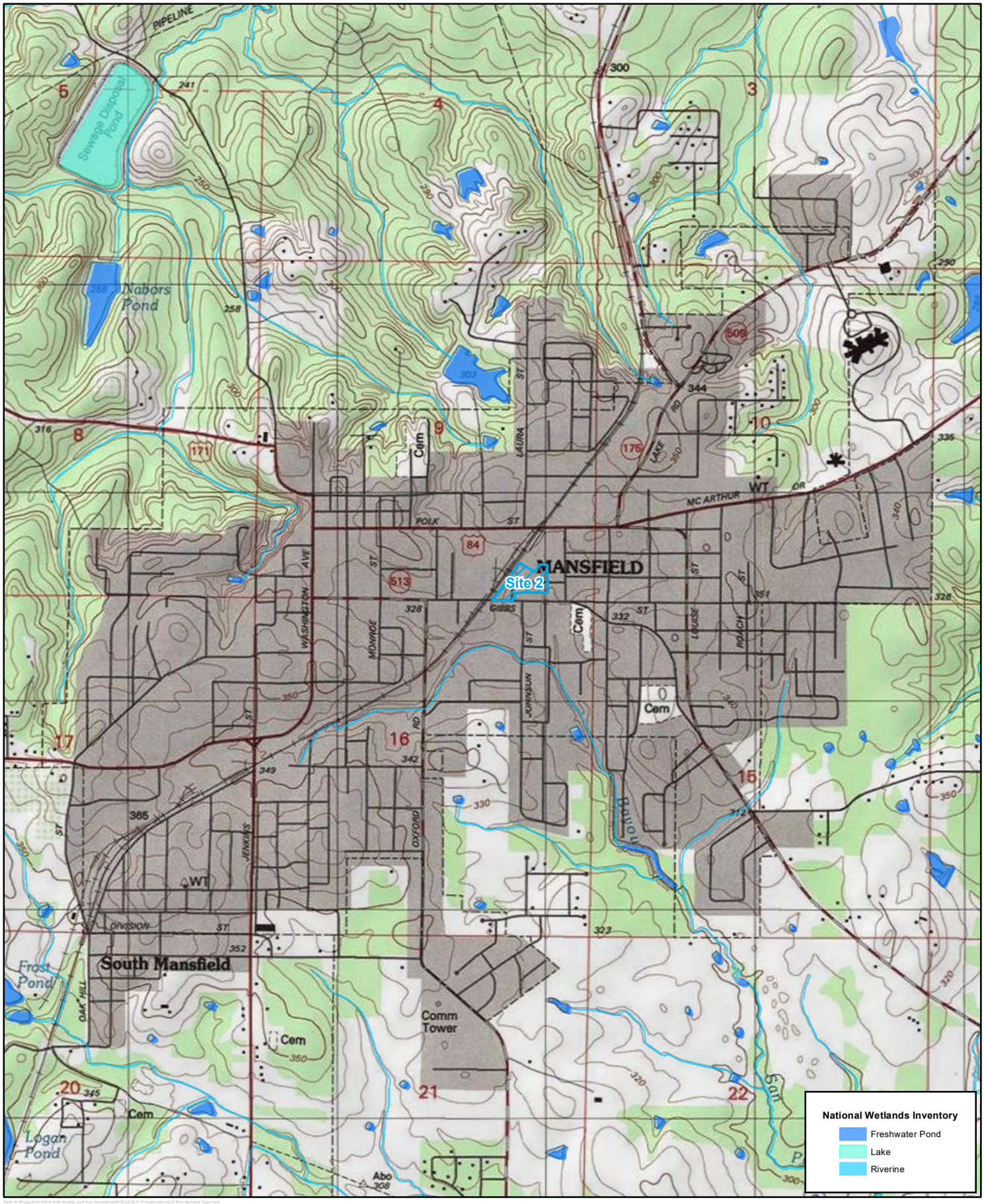
0 200 400 600 Meters



GULF RUN PIPELINE

GULF RUN PIPELINE AND LINE CP MODIFICATIONS

Figure 2. Gulf Run Pipeline Topographic Map

Mile Post

Line CP Pipeline

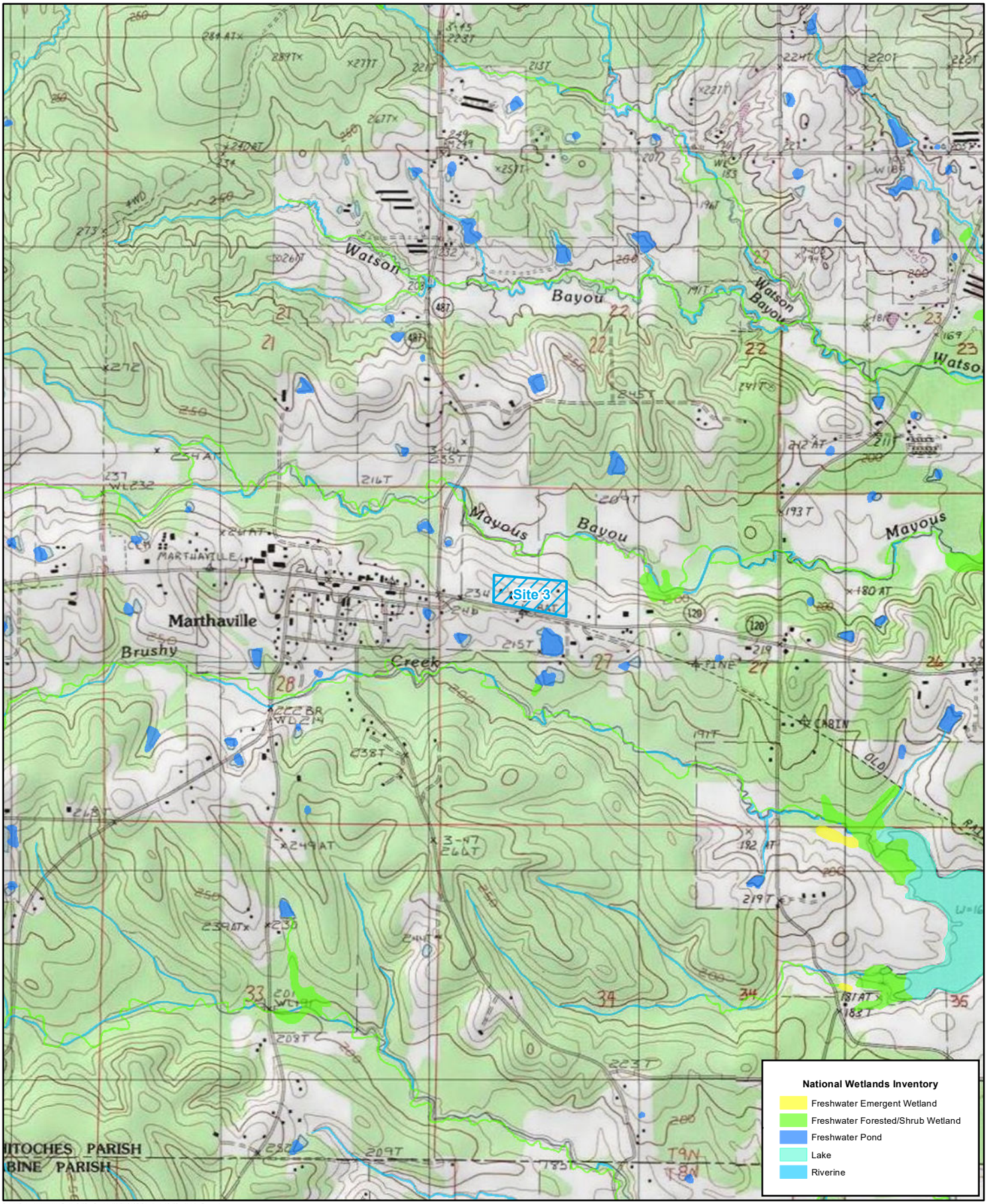
Pipe/Contractor Yard

SWCA ENVIRONMENTAL CONSULTANTS

Created By: J. Fontenot
Project Number: 51456
Date: 6/3/2020
NAD 1983 UTM Zone 15N ft

0 1,000 2,000 Feet

0 200 400 600 Meters



GULF RUN PIPELINE

GULF RUN PIPELINE AND LINE CP MODIFICATIONS

Figure 2. Gulf Run Pipeline Topographic Map

Mile Post

Line CP Pipeline

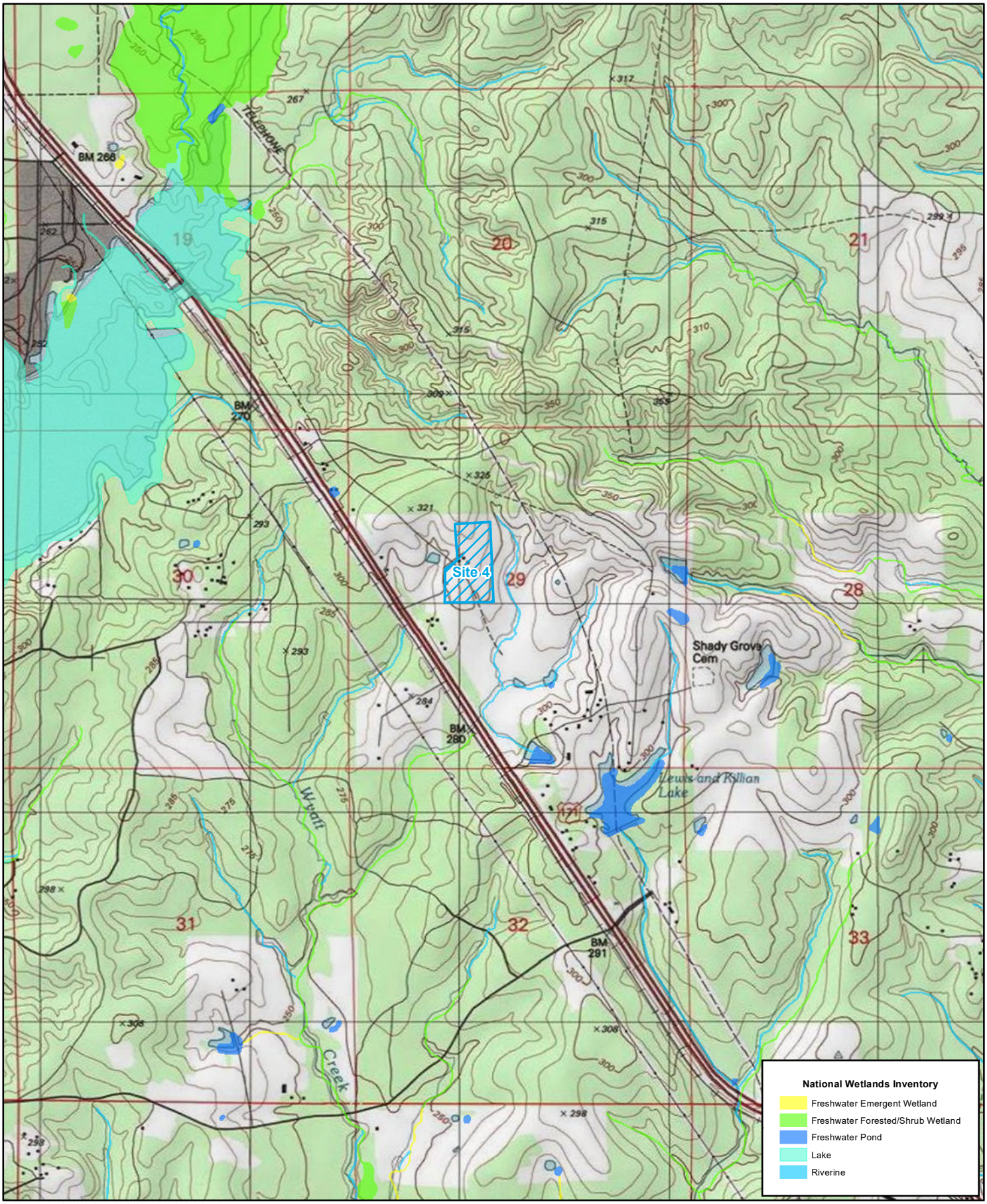
Pipe/Contractor Yard

SWCA ENVIRONMENTAL CONSULTANTS

Created By: J. Fontenot
Project Number: 51456
Date: 6/3/2020
NAD 1983 UTM Zone 15N ft

0 1,000 2,000 Feet

0 200 400 600 Meters



GULF RUN PIPELINE

GULF RUN PIPELINE AND LINE CP MODIFICATIONS

Figure 2. Gulf Run Pipeline Topographic Map

Mile Post

Line CP Pipeline

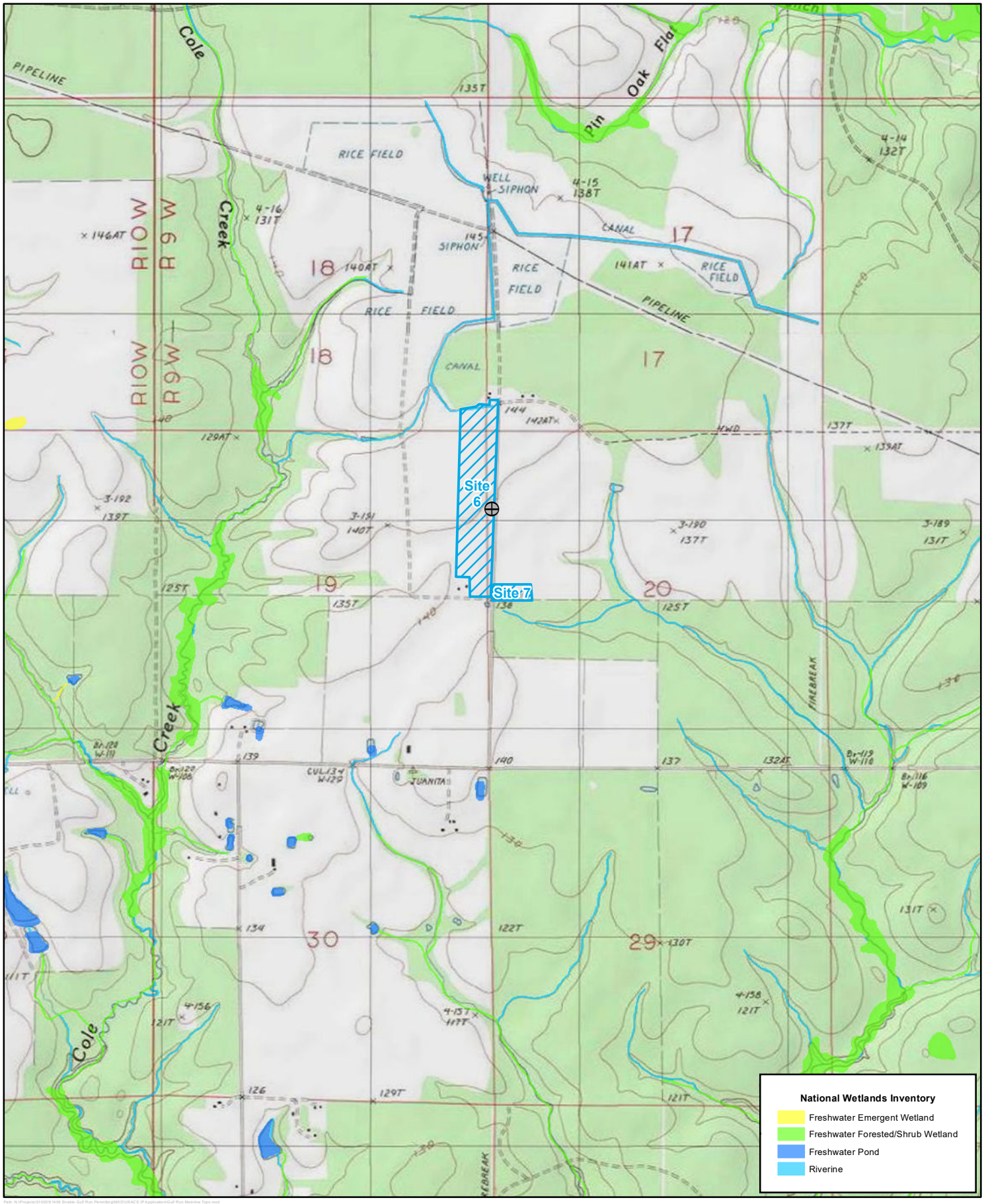
Pipe/Contractor Yard

SWCA ENVIRONMENTAL CONSULTANTS

Created By: J. Fontenot
Project Number: 51456
Date: 6/3/2020
NAD 1983 UTM Zone 15N ft

0 1,000 2,000 Feet

0 200 400 600 Meters



GULF RUN PIPELINE

GULF RUN PIPELINE AND LINE CP MODIFICATIONS

Figure 2. Gulf Run Pipeline Topographic Map

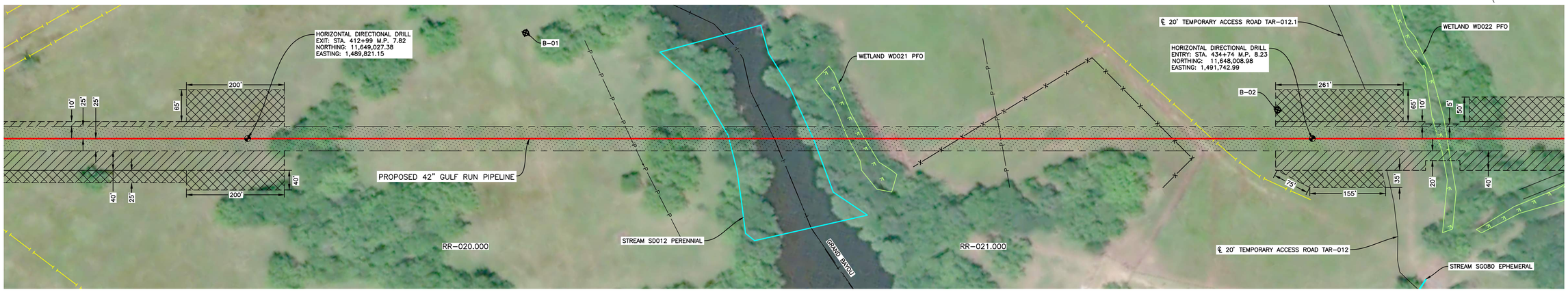
Well
Mile Post
Line CP Pipeline
Pipe/Contractor Yard

SWCA ENVIRONMENTAL CONSULTANTS

Created By: J. Fontenot
Project Number: 51456
Date: 6/3/2020
NAD 1983 UTM Zone 15N ft

0 1,000 2,000 Feet
0 200 400 600 Meters

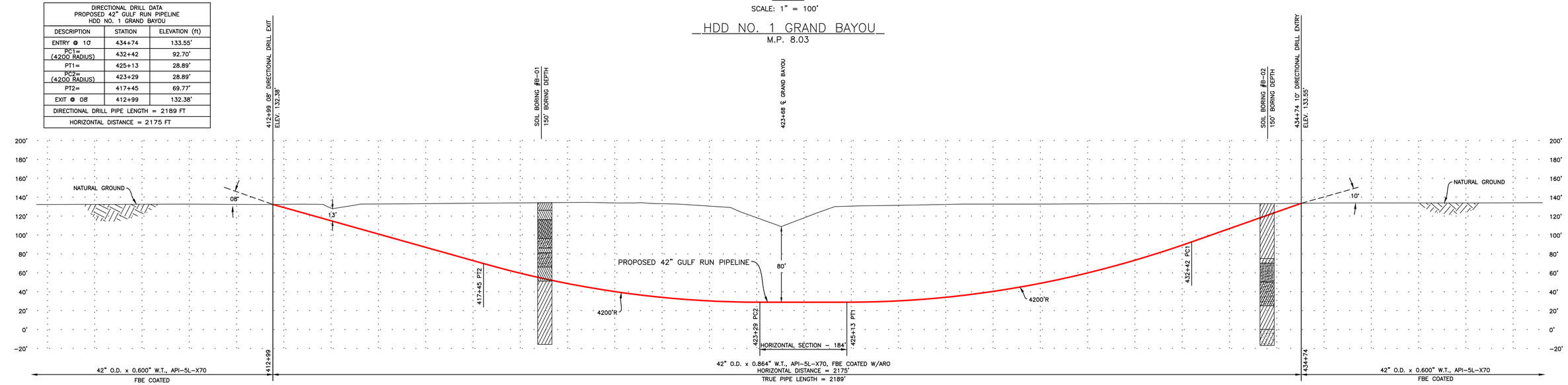
RED RIVER PARISH, LOUISIANA
SECTION 27, T13N – R11W



PLAN
SCALE: 1" = 100'

DIRECTIONAL DRILL DATA PROPOSED 42" GULF RUN PIPELINE HDD NO. 1 GRAND BAYOU		
DESCRIPTION	STATION	ELEVATION (ft)
ENTRY @ 10'	434+74	133.55'
PC1= (4200 RADIUS)	432+42	92.70'
PT1=	425+13	28.89'
PC2= (4200 RADIUS)	423+29	28.89'
PT2=	417+45	69.77'
EXIT @ 08'	412+99	132.38'
DIRECTIONAL DRILL PIPE LENGTH = 2189 FT		
HORIZONTAL DISTANCE = 2175 FT		

HDD NO. 1 GRAND BAYOU
M.P. 8.03



PROFILE
HORIZONTAL SCALE: 1" = 100'
VERTICAL SCALE: 1" = 50'

NOTES:

1. VERTICAL DATUM: NAVD 88, HORIZONTAL DATUM: NAD83 UTM15, NORTH ZONE, US FOOT.
2. CONTRACTOR TO DETERMINE PILOT BORE AND FINAL REAMED DIAMETER TO ACCOMMODATE THEIR MEANS AND METHODS.
3. ABSOLUTE MINIMUM ALLOWABLE DRILLING RADIUS SHALL BE 2,800 FEET BASED ON A 3 JOINT AVERAGE.
4. THE ENTRY POINT SHALL BE AS SHOWN ON THE DRAWINGS. THE EXIT POINT SHALL BE NO MORE THAN 0 FEET SHORT OR 20 FEET LONG RELATIVE TO THE EXIT POINT SHOWN ON THE DRAWINGS.
5. THE PILOT BORE SHALL DEVIATE NO MORE THAN 3 FEET HORIZONTALLY OFF THE ALIGNMENT AS SHOWN ON THE DRAWINGS.
6. THE PILOT BORE SHALL NOT EXCEED MORE THAN 2 FEET ABOVE AND 10 FEET BELOW THE ELEVATION SHOWN ON THE DRAWINGS.
7. HDD OPERATIONS SHALL BE PERFORMED IN ACCORDANCE WITH ALL PERMIT REQUIREMENTS AND COMPANY SPECIFICATIONS.
8. THROUGHOUT THE PILOT BORE DRILLING FLUID PRESSURES SHALL BE MEASURED AT ALL TIMES AND AT A POINT AS CLOSE AS POSSIBLE BEHIND THE DRILL BIT.
9. THE PILOT BORE SHALL BE CONTINUOUSLY TRACKED AT ALL TIMES. NO BLIND SECTIONS SHALL BE PERMITTED, EVEN WHEN THE BIT IS UNDER WATER.
10. IF THE CONTRACTOR ENCOUNTERS AN OBSTRUCTION WHICH PREVENTS THE INSTALLATION ACCORDING TO THE SPECIFICATIONS, THE BORE SHALL BE ABANDONED IN PLACE AND IMMEDIATELY FILLED WITH GROUT. WORK SHALL NOT RESUME UNTIL REVISED PLANS AND PROCEDURES HAVE BEEN SUBMITTED TO AND APPROVED BY OWNER.
11. THE CONTRACTOR SHALL IDENTIFY AND PROTECT ANY FOREIGN UTILITY THAT MAY BE AFFECTED BY THE HDD OPERATIONS. IN ADDITION, THE CONTRACTOR IS RESPONSIBLE FOR CALLING THE APPROPRIATE ONE-CALL AND LOCATING ALL UNDERGROUND UTILITIES PRIOR TO BEGINNING CONSTRUCTION. IF ANY UTILITY IS LOCATED WITHIN 15 FEET OF THE PROPOSED HDD PROFILE AND ALIGNMENT, CONTRACTOR SHALL GAIN APPROVAL FROM ENABLE GULF RUN TRANSMISSION PRIOR TO BEGINNING HDD OPERATIONS.

BORE LEGEND

- LEAN CLAY WITH SAND (CL)
- LEAN CLAY (CL)
- SILTY CLAY (CL-ML)
- CLAYEY SAND (SC)
- FAT CLAY (CH)
- SANDY FAT CLAY (CH)
- SILTY SAND (SM)
- SANDY LEAN CLAY (CL)
- FAT CLAY WITH SAND (CH)

LEGEND

- PROPOSED PERMANENT EASEMENT
- PROPOSED TEMPORARY WORKSPACE
- EXTRA TEMPORARY WORKSPACE
- WETLAND

1.) EXCAVATE WITH CAUTION!!! EXACT LOCATIONS OF EXISTING UNDERGROUND PIPES AND UTILITIES ARE UNKNOWN.

2.) CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION.

MOTT MACDONALD
101 CROSLEY STREET
WEST MONROE, LA 71291
T 318 329 0095
LOUISIANA ENGINEERING
FIRM NO. EF-0003450

REV LEVEL	DATE	BY	DESCRIPTION	CK. MM	APP. DRAFT.	CK. EGT	APP. PRJ. MGT.	CK.	APP. DESIGN ENG.
B	01/31/20	MM	ISSUED FOR FERC APPLICATION	JOI	CKF				
A	11/15/19	JRC	ISSUED FOR FERC	JOI	CKF				

REVISIONS

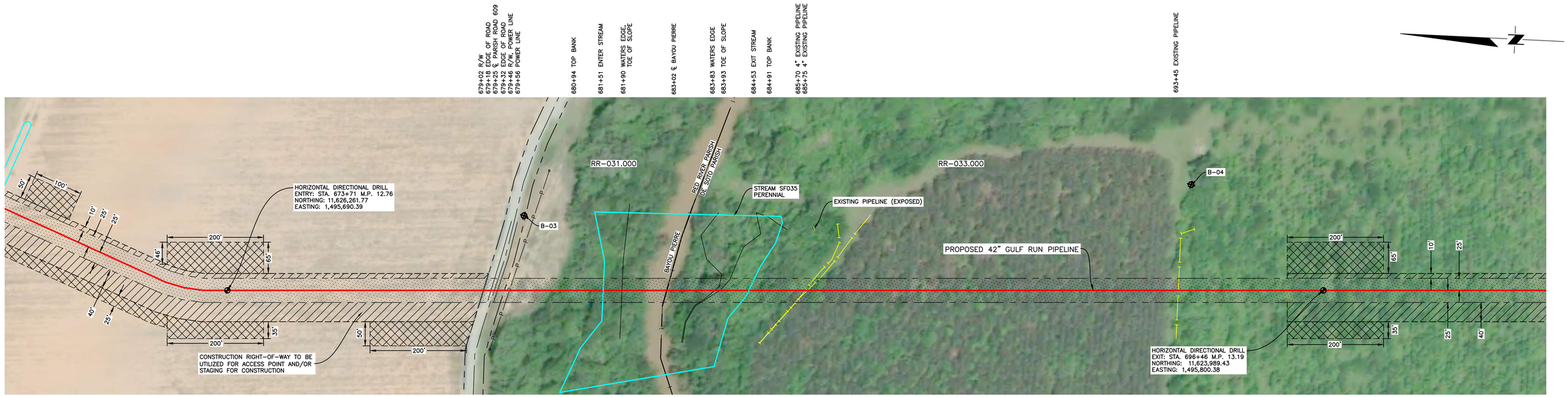
ENABLE MIDSTREAM PARTNERS

Enable Gulf Run Transmission, LLC
OKLAHOMA CITY, OK

GULF RUN PIPELINE
PROPOSED 42" GULF RUN PIPELINE
HDD NO. 1 GRAND BAYOU
STA. NO. 412+99 TO STA. NO. 434+74
RED RIVER PARISH, LOUISIANA

SCALE	CREATED ON	LAST EDIT	DRAWN BY	D SHT SIZE	PL JOB TYPE	EGRT-GR JOB NUMBER	008 DWG AREA	F SHEET/ AREA	B REF SHT
AS NOTED	07/15/19	01/30/20	JRC-MM						R

RED RIVER & DE SOTO PARISHES, LOUISIANA
SECTION 14, T12N – R11W



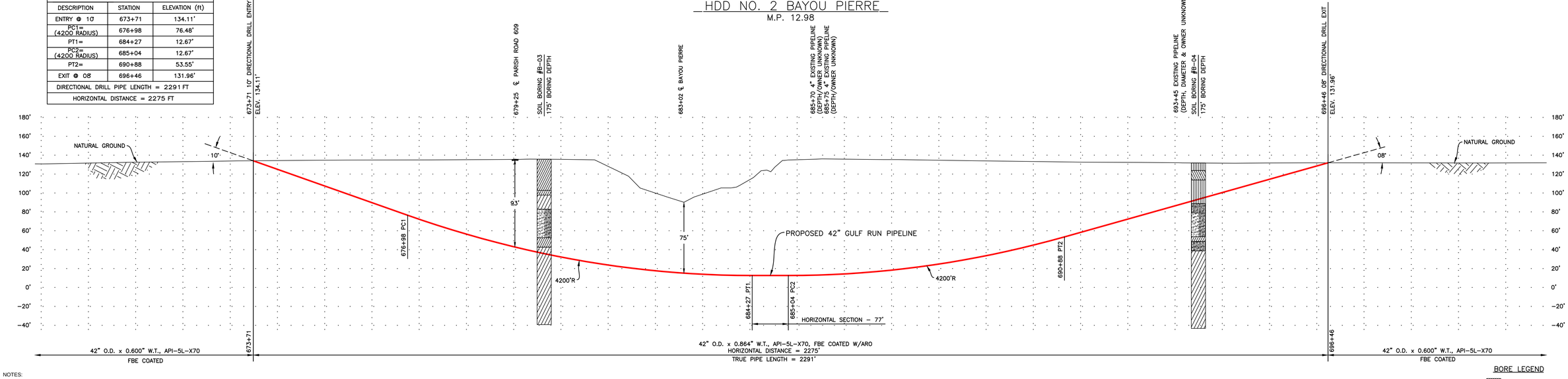
PLAN

SCALE: 1" = 100'

DIRECTIONAL DRILL DATA PROPOSED 42" GULF RUN PIPELINE HDD NO. 2 BAYOU PIERRE		
DESCRIPTION	STATION	ELEVATION (ft)
ENTRY @ 10°	673+71	134.11'
PC1= (4200 RADIUS)	676+98	76.48'
PT1=	684+27	12.67'
PC2= (4200 RADIUS)	685+04	12.67'
PT2=	690+88	53.55'
EXIT @ 08°	696+46	131.96'
DIRECTIONAL DRILL PIPE LENGTH = 2291 FT		
HORIZONTAL DISTANCE = 2275 FT		

HDD NO. 2 BAYOU PIERRE

M.P. 12.98



PROFILE

HORIZONTAL SCALE: 1" = 100'
VERTICAL SCALE: 1" = 50'

BORE LEGEND

- LEAN CLAY WITH SAND (CL)
- LEAN CLAY (CL)
- FAT CLAY (CH)
- SILTY SAND (SM)
- POORLY GRADED SAND WITH SILT (SP–SM)
- SILT (ML)

NOTES:

1. VERTICAL DATUM: NAVD 88, HORIZONTAL DATUM: NAD83 UTM15, NORTH ZONE, US FOOT.
2. CONTRACTOR TO DETERMINE PILOT BORE AND FINAL REAMED DIAMETER TO ACCOMMODATE THEIR MEANS AND METHODS.
3. ABSOLUTE MINIMUM ALLOWABLE DRILLING RADIUS SHALL BE 2,800 FEET BASED ON A 3 JOINT AVERAGE.
4. THE ENTRY POINT SHALL BE AS SHOWN ON THE DRAWINGS. THE EXIT POINT SHALL BE NO MORE THAN 0 FEET SHORT OR 20 FEET LONG RELATIVE TO THE EXIT POINT SHOWN ON THE DRAWINGS.
5. THE PILOT BORE SHALL DEVIATE NO MORE THAN 3 FEET HORIZONTALLY OFF THE ALIGNMENT AS SHOWN ON THE DRAWINGS.
6. THE PILOT BORE SHALL NOT EXCEED MORE THAN 2 FEET ABOVE AND 10 FEET BELOW THE ELEVATION SHOWN ON THE DRAWINGS.
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LEGEND

- PROPOSED PERMANENT EASEMENT
- PROPOSED TEMPORARY WORKSPACE
- EXTRA TEMPORARY WORKSPACE
- WETLAND

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MOTT MACDONALD
101 CROSLEY STREET
WEST MONROE, LA 71291
T 318 329 0096
LOUISIANA ENGINEERING
FIRM NO. EF–0003450

REVISIONS

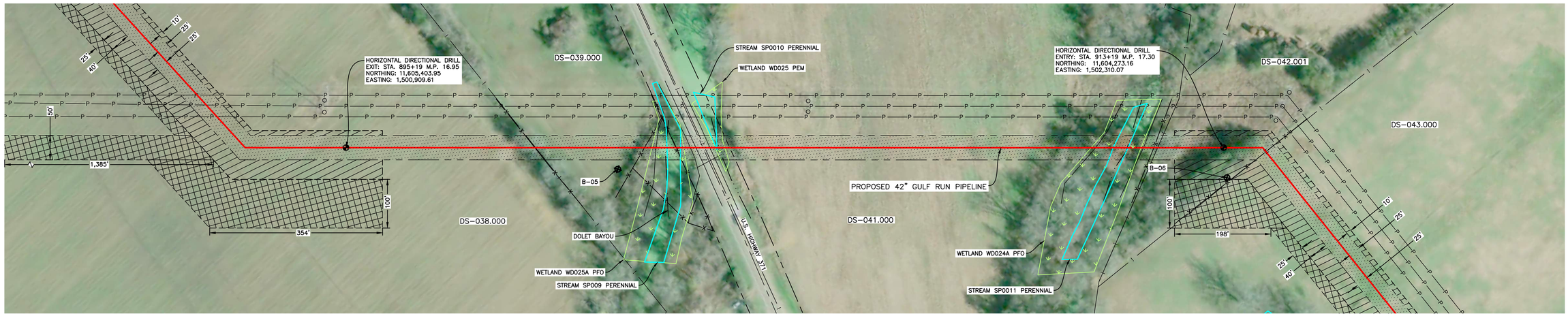
REV LEVEL	DATE	BY	DESCRIPTION	CK. APP. MM DRAFT. DEPT.	CK. APP. EGT PRJ. MGT.	CK. APP. DESIGN ENG.
B	01/31/20	MM	ISSUED FOR FERC APPLICATION	JOI	CKF	
A	11/15/19	JRC	ISSUED FOR FERC	JOI	CKF	

ENABLE MIDSTREAM PARTNERS — Enable Gulf Run Transmission, LLC — GULF RUN PIPELINE
OKLAHOMA CITY, OK

GULF RUN PIPELINE
PROPOSED 42" GULF RUN PIPELINE
HDD NO. 2 BAYOU PIERRE
STA. NO. 673+71 TO STA. NO. 696+46
RED RIVER & DE SOTO PARISHES, LOUISIANA

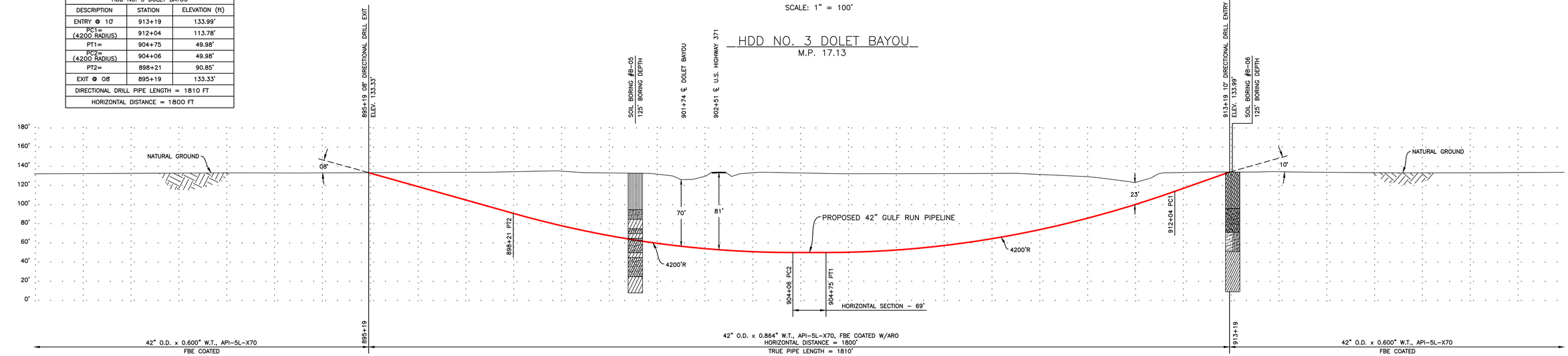
SCALE	CREATED ON	LAST EDIT	DRAWN BY	D	PL	EGRT–GR		012	F	B
AS NOTED	07/15/19	01/30/20	JRC–MM	SHT SIZE	JOB TYPE	JOB NUMBER	DWG AREA	SHEET/ AREA	REF SHT	R

DE SOTO PARISH, LOUISIANA
SECTION 1, T11N – R11W



PLAN
SCALE: 1" = 100'

DIRECTIONAL DRILL DATA PROPOSED 42" GULF RUN PIPELINE HDD NO. 3 DOLET BAYOU		
DESCRIPTION	STATION	ELEVATION (ft)
ENTRY @ 10°	913+19	133.99'
PC1= (4200 RADIUS)	912+04	113.78'
PT1=	904+75	49.98'
PC2= (4200 RADIUS)	904+06	49.98'
PT2=	898+21	90.85'
EXIT @ 08°	895+19	133.33'
DIRECTIONAL DRILL PIPE LENGTH = 1810 FT		
HORIZONTAL DISTANCE = 1800 FT		



PROFILE
HORIZONTAL SCALE: 1" = 100'
VERTICAL SCALE: 1" = 50'

NOTES:

1. VERTICAL DATUM: NAVD 88, HORIZONTAL DATUM: NAD83 UTM15, NORTH ZONE, US FOOT.
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BORE LEGEND

SILTY CLAY (CL–ML)
CLAYEY SAND (SC)
FAT CLAY (CH)
SILTY SAND (SM)
POORLY GRADED SAND WITH SILT (SP–SM)
SILT (ML)
SILTY CLAY WITH SAND (CL–ML)

LEGEND

PROPOSED PERMANENT EASEMENT
PROPOSED TEMPORARY WORKSPACE
EXTRA TEMPORARY WORKSPACE
WETLAND

1.) EXCAVATE WITH CAUTION!!! EXACT LOCATIONS OF EXISTING UNDERGROUND PIPES AND UTILITIES ARE UNKNOWN.
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MOTT MACDONALD
101 CROSLEY STREET
WEST MONROE, LA 71291
T 318 329 0092
LOUISIANA ENGINEERING
FIRM NO. EF–0003450

REV. LEVEL	DATE	BY	DESCRIPTION	CK. MM	APP. DRAFT.	CK. DEPT.	APP. EGT	CK. PRJ. MGT.	APP.	CK. DESIGN	APP. ENG.
B	01/31/20	MM	ISSUED FOR FERC APPLICATION		JOI		CKF				
A	11/15/19	JRC	ISSUED FOR FERC		JOI		CKF				

REVISIONS

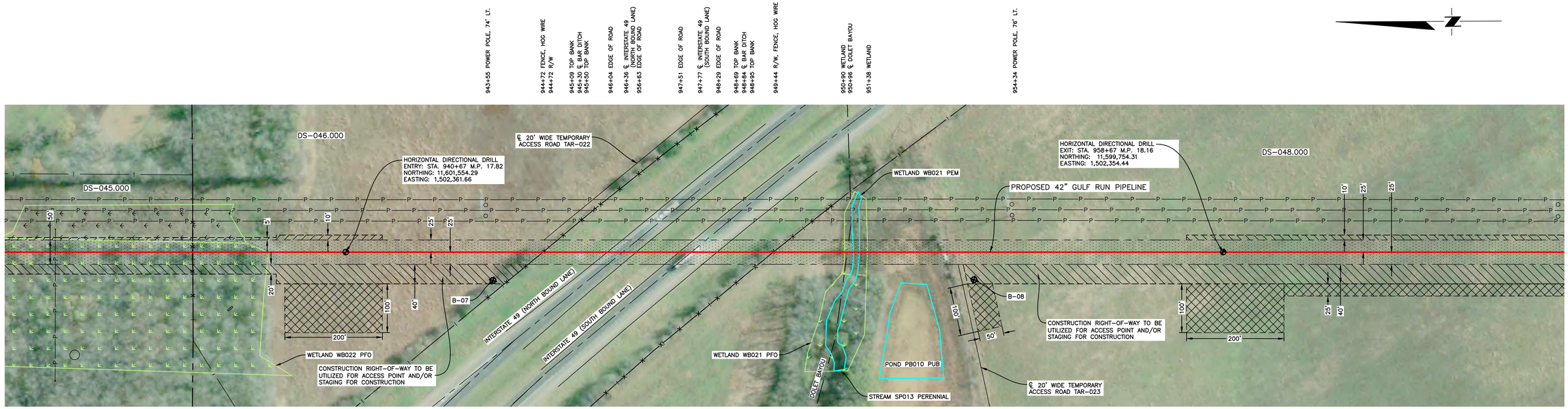
ENABLE MIDSTREAM PARTNERS

Enable Gulf Run Transmission, LLC
OKLAHOMA CITY, OK

GULF RUN PIPELINE
PROPOSED 42" GULF RUN PIPELINE
HDD NO. 3 DOLET BAYOU
STA. NO. 895+19 TO STA. NO. 913+19
DE SOTO PARISH, LOUISIANA

SCALE	CREATED ON	LAST EDIT	DRAWN BY	SHT SIZE	JOB TYPE	JOB NUMBER	DWG AREA	SHEET/ AREA	REF SHT
AS NOTED	07/15/19	01/31/20	JRC–MM	D	PL	EGRT–GR		016	F B R

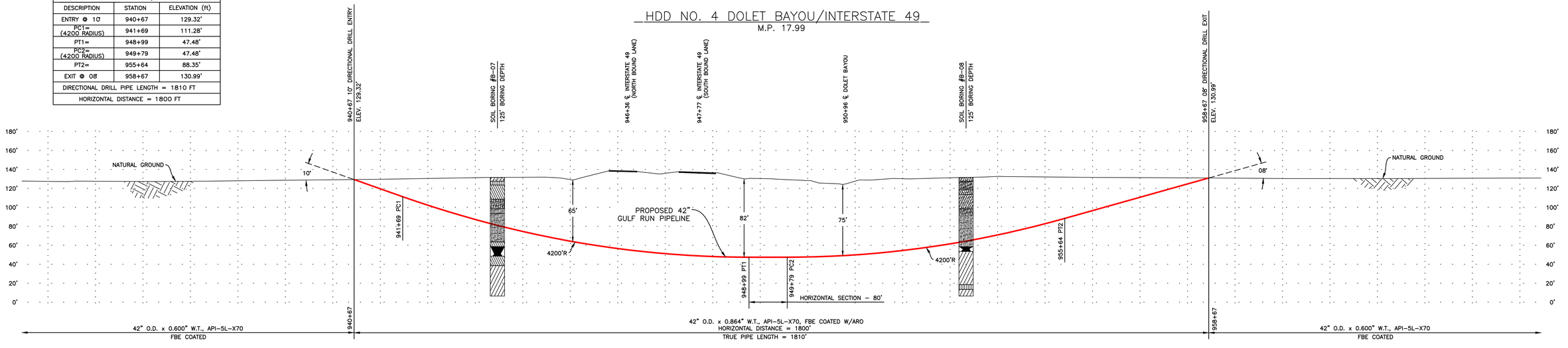
DE SOTO PARISH, LOUISIANA
SECTION 12, T11N, R11W



PLAN
SCALE: 1" = 100'

DIRECTIONAL DRILL DATA PROPOSED 42" GULF RUN PIPELINE HDD NO. 4 DOLET BAYOU/INTERSTATE 49		
DESCRIPTION	STATION	ELEVATION (ft)
ENTRY @ 10°	940+67	129.32'
PC1= (4200 RADIUS)	941+69	111.28'
PT1=	948+99	47.48'
PC2= (4200 RADIUS)	949+79	47.48'
PT2=	955+64	88.35'
EXIT @ 08°	958+67	130.99'
DIRECTIONAL DRILL PIPE LENGTH = 1810 FT		
HORIZONTAL DISTANCE = 1800 FT		

HDD NO. 4 DOLET BAYOU/INTERSTATE 49
M.P. 17.99



PROFILE
HORIZONTAL SCALE: 1" = 100'
VERTICAL SCALE: 1" = 50'

BORE LEGEND

- FAT CLAY WITH SAND (CH)
- SILT (ML)
- LEAN CLAY (CL)
- SANDY SILT (SM)
- SILT WITH SAND (SM)
- SILTY SAND (SM)
- LIGNITE BLACK
- FAT CLAY (CH)
- CLAYEY SAND (SC)
- LEAN CLAY WITH SAND (CL)

NOTES:

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- PROPOSED PERMANENT EASEMENT
- PROPOSED TEMPORARY WORKSPACE
- EXTRA TEMPORARY WORKSPACE
- WETLAND

1.) EXCAVATE WITH CAUTION!!! EXACT LOCATIONS OF EXISTING UNDERGROUND PIPES AND UTILITIES ARE UNKNOWN.

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MOTT MACDONALD
101 CROSLEY STREET
WEST MONROE, LA 71291
T 318 329 0099
LOUISIANA ENGINEERING
FIRM NO. EF-0003450

REVISIONS

REV LEVEL	DATE	BY	DESCRIPTION	CK. MM	APP. DRAFT. DEPT.	CK. EGT	APP. PRJ. MGT.	CK.	APP. DESIGN ENG.
B	01/31/20	MM	ISSUED FOR FERC APPLICATION	JOI	CKF				
A	11/15/19	JRC	ISSUED FOR FERC	JOI	CKF				

ENABLE MIDSTREAM PARTNERS

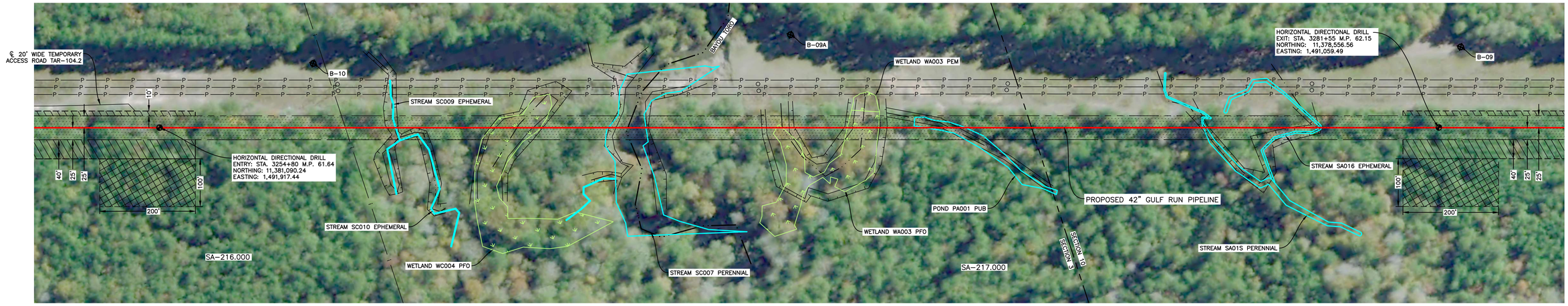
Enable Gulf Run Transmission, LLC
OKLAHOMA CITY, OK

GULF RUN PIPELINE

GULF RUN PIPELINE
PROPOSED 42" GULF RUN PIPELINE
HDD NO. 4 DOLET BAYOU/INTERSTATE 49
STA. NO. 940+67 TO STA. NO. 958+67
DE SOTO PARISH, LOUISIANA

SCALE	CREATED ON	LAST EDIT	DRAWN BY	SHT SIZE	JOB TYPE	JOB NUMBER	DWG AREA	SHEET/ AREA	REF SHT
AS NOTED	07/15/19	01/31/20	JRC-MM	D	PL	EGRT-GR		017	F	B	R

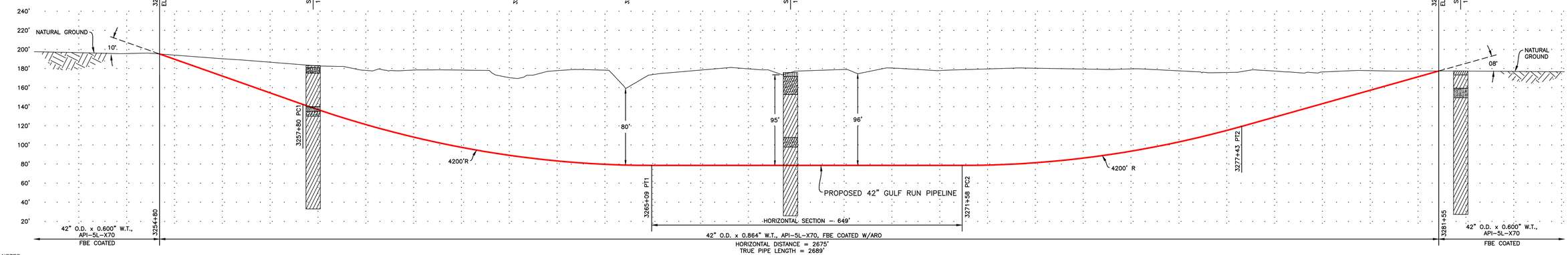
SABINE PARISH, LOUISIANA
SECTIONS 3 & 10, T4N – R11W



PLAN
SCALE: 1" = 100'

HDD NO. 5 BAYOU TORO
M.P. 61.90

DIRECTIONAL DRILL DATA PROPOSED 42" GULF RUN PIPELINE HDD NO. 5 BAYOU TORO		
DESCRIPTION	STATION	ELEVATION (ft)
ENTRY @ 10°	3254+80	195.22'
PC1= (4200 RADIUS)	3257+80	142.38'
PT1=	3265+09	78.57'
PC2= (4200 RADIUS)	3271+58	78.57'
PT2=	3277+43	119.45'
EXIT @ 08°	3281+55	177.36'
DIRECTIONAL DRILL PIPE LENGTH = 2689 FT		
HORIZONTAL DISTANCE = 2675 FT		



PROFILE
HORIZONTAL SCALE: 1" = 100'
VERTICAL SCALE: 1" = 50'

NOTES:

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BORE LEGEND
- LEAN CLAY WITH SAND (CL)
- FAT CLAY (CH)
- SILTY SAND (SM)
- SILT (ML)
- CLAYEY SAND (SC)
- SANDY SILT (SM)
- SANDY LEAN CLAY (CL)

- PROPOSED PERMANENT EASEMENT
- PROPOSED TEMPORARY WORKSPACE
- EXTRA TEMPORARY WORKSPACE
- WETLAND

1.) EXCAVATE WITH CAUTION!!! EXACT LOCATIONS OF EXISTING UNDERGROUND PIPES AND UTILITIES ARE UNKNOWN.
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LOUISIANA ENGINEERING
FIRM NO. EF-0003450

REV LEVEL	DATE	BY	DESCRIPTION	CK. MM	APP. DRAFT.	CK. DEPT.	APP. EGT PRJ. MGT.	CK.	APP. DESIGN ENG.
B	01/31/20	MM	ISSUED FOR FERC APPLICATION	JOI	CKF				
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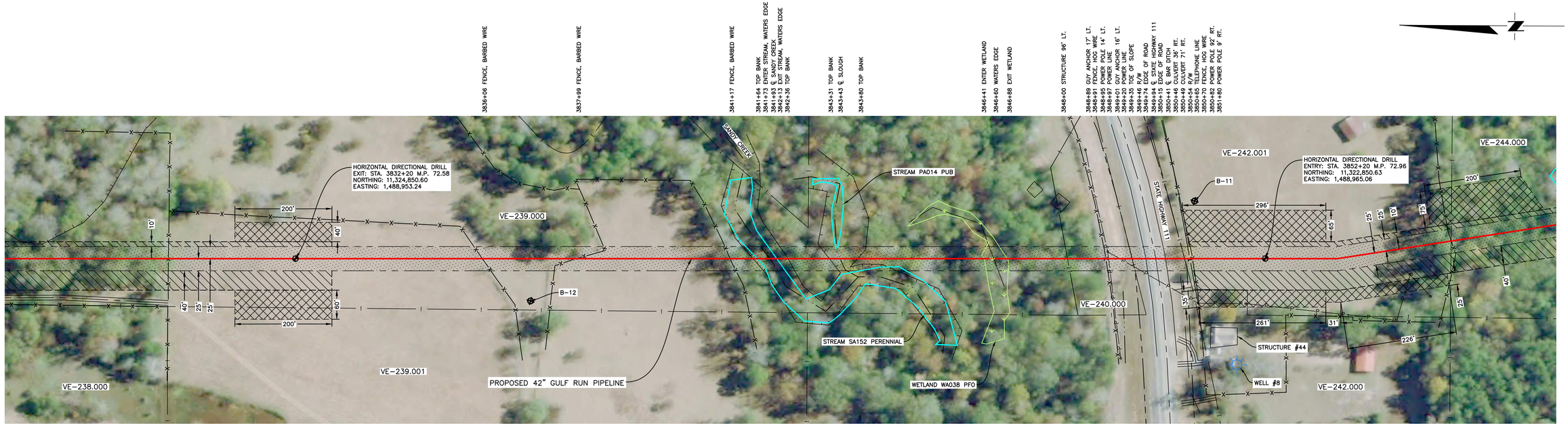
REVISIONS

ENABLE MIDSTREAM PARTNERS — Enable Gulf Run Transmission, LLC — GULF RUN PIPELINE
OKLAHOMA CITY, OK

GULF RUN PIPELINE
PROPOSED 42" GULF RUN PIPELINE
HDD NO. 5 BAYOU TORO
STA. NO. 3254+80 TO STA. NO. 3281+55
SABINE PARISH, LOUISIANA

SCALE	CREATED ON	LAST EDIT	DRAWN BY	D	PL	EGRT-GR		055	F	B
AS NOTED	07/15/19	01/30/20	JRC-MM	SHT SIZE	JOB TYPE	JOB NUMBER	DWG AREA	SHEET/ AREA	REF SHT	R

VERNON PARISH, LOUISIANA
SECTION 34, T3N – R11W



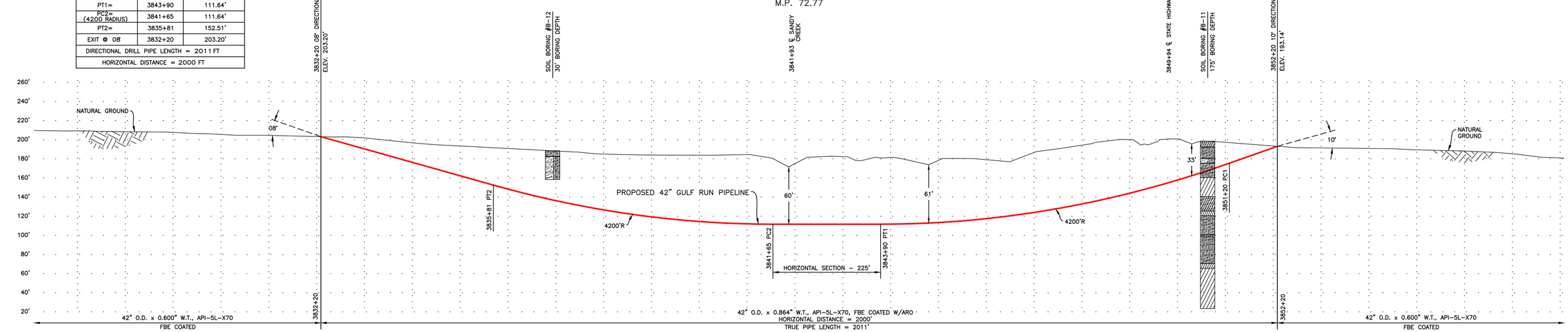
PLAN

SCALE: 1" = 100'

HDD NO. 6 SANDY CREEK/STATE HIGHWAY 111

M.P. 72.77

DIRECTIONAL DRILL DATA PROPOSED 42" GULF RUN PIPELINE HDD NO. 6 SANDY CREEK/STATE HIGHWAY 111		
DESCRIPTION	STATION	ELEVATION (ft)
ENTRY @ 10°	3852+20	193.14'
PC1= (4200 RADIUS)	3851+20	175.45'
PT1=	3843+90	111.64'
PC2= (4200 RADIUS)	3841+65	111.64'
PT2=	3835+81	152.51'
EXIT @ 08°	3832+20	203.20'
DIRECTIONAL DRILL PIPE LENGTH = 2011 FT		
HORIZONTAL DISTANCE = 2000 FT		



PROFILE

HORIZONTAL SCALE: 1" = 100'
VERTICAL SCALE: 1" = 50'

NOTES:

1. VERTICAL DATUM: NAVD 88, HORIZONTAL DATUM: NAD83 UTM15, NORTH ZONE, US FOOT.
2. CONTRACTOR TO DETERMINE PILOT BORE AND FINAL REAMED DIAMETER TO ACCOMMODATE THEIR MEANS AND METHODS.
3. ABSOLUTE MINIMUM ALLOWABLE DRILLING RADIUS SHALL BE 2,800 FEET BASED ON A 3 JOINT AVERAGE.
4. THE ENTRY POINT SHALL BE AS SHOWN ON THE DRAWINGS. THE EXIT POINT SHALL BE NO MORE THAN 0 FEET SHORT OR 20 FEET LONG RELATIVE TO THE EXIT POINT SHOWN ON THE DRAWINGS.
5. THE PILOT BORE SHALL DEVIATE NO MORE THAN 3 FEET HORIZONTALLY OFF THE ALIGNMENT AS SHOWN ON THE DRAWINGS.
6. THE PILOT BORE SHALL NOT EXCEED MORE THAN 2 FEET ABOVE AND 10 FEET BELOW THE ELEVATION SHOWN ON THE DRAWINGS.
7. HDD OPERATIONS SHALL BE PERFORMED IN ACCORDANCE WITH ALL PERMIT REQUIREMENTS AND COMPANY SPECIFICATIONS.
8. THROUGHOUT THE PILOT BORE DRILLING FLUID PRESSURES SHALL BE MEASURED AT ALL TIMES AND AT A POINT AS CLOSE AS POSSIBLE BEHIND THE DRILL BIT.
9. THE PILOT BORE SHALL BE CONTINUOUSLY TRACKED AT ALL TIMES. NO BLIND SECTIONS SHALL BE PERMITTED, EVEN WHEN THE BIT IS UNDER WATER.
10. IF THE CONTRACTOR ENCOUNTERS AN OBSTRUCTION WHICH PREVENTS THE INSTALLATION ACCORDING TO THE SPECIFICATIONS, THE BORE SHALL BE ABANDONED IN PLACE AND IMMEDIATELY FILLED WITH GROUT. WORK SHALL NOT RESUME UNTIL REVISED PLANS AND PROCEDURES HAVE BEEN SUBMITTED TO AND APPROVED BY OWNER.
11. THE CONTRACTOR SHALL IDENTIFY AND PROTECT ANY FOREIGN UTILITY THAT MAY BE AFFECTED BY THE HDD OPERATIONS. IN ADDITION, THE CONTRACTOR IS RESPONSIBLE FOR CALLING THE APPROPRIATE ONE-CALL AND LOCATING ALL UNDERGROUND UTILITIES PRIOR TO BEGINNING CONSTRUCTION. IF ANY UTILITY IS LOCATED WITHIN 15 FEET OF THE PROPOSED HDD PROFILE AND ALIGNMENT, CONTRACTOR SHALL GAIN APPROVAL FROM ENABLE GULF RUN TRANSMISSION PRIOR TO BEGINNING HDD OPERATIONS.

BORE LEGEND

- LEAN CLAY WITH SAND (CL)
- LEAN CLAY (CL)
- CLAYEY SAND (SC)
- FAT CLAY (CH)
- SILTY SAND (SM)
- POORLY GRADED SAND WITH SILT (SP–SM)

- PROPOSED PERMANENT EASEMENT
- PROPOSED TEMPORARY WORKSPACE
- EXTRA TEMPORARY WORKSPACE
- WETLAND

1.) EXCAVATE WITH CAUTION!!! EXACT LOCATIONS OF EXISTING UNDERGROUND PIPES AND UTILITIES ARE UNKNOWN.

2.) CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION.

MOTT MACDONALD
101 CROSLEY STREET
WEST MONROE, LA 71291
T 318 329 0095
LOUISIANA ENGINEERING
FIRM NO. EF–0003450

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B	01/31/20	MM	ISSUED FOR FERC APPLICATION	JOI	CKF				
A	11/15/19	JRC	ISSUED FOR FERC	JOI	CKF				

REVISIONS

ENABLE MIDSTREAM PARTNERS

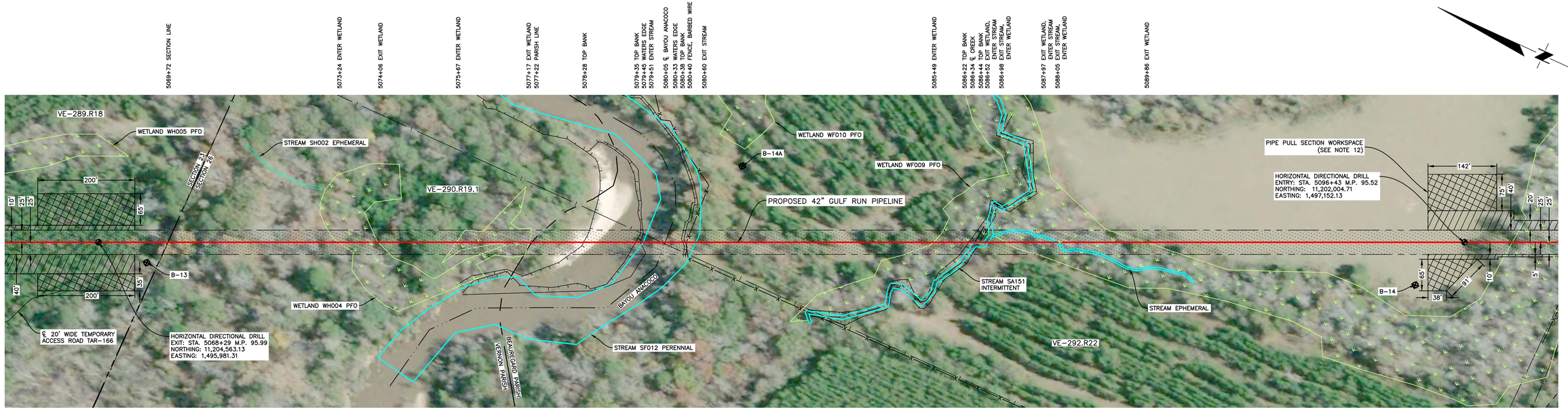
Enable Gulf Run Transmission, LLC
OKLAHOMA CITY, OK

GULF RUN PIPELINE

GULF RUN PIPELINE
PROPOSED 42" GULF RUN PIPELINE
HDD NO. 6 SANDY CREEK/STATE HIGHWAY 111
STA. NO. 3832+20 TO STA. NO. 3852+20
VERNON PARISH, LOUISIANA

SCALE	CREATED ON	LAST EDIT	DRAWN BY	D SHT SIZE	PL JOB TYPE	EGRT–GR JOB NUMBER	065 DWG AREA	F SHEET/ AREA	B REF SHT
AS NOTED	07/15/19	01/30/20	JRC–MM						R

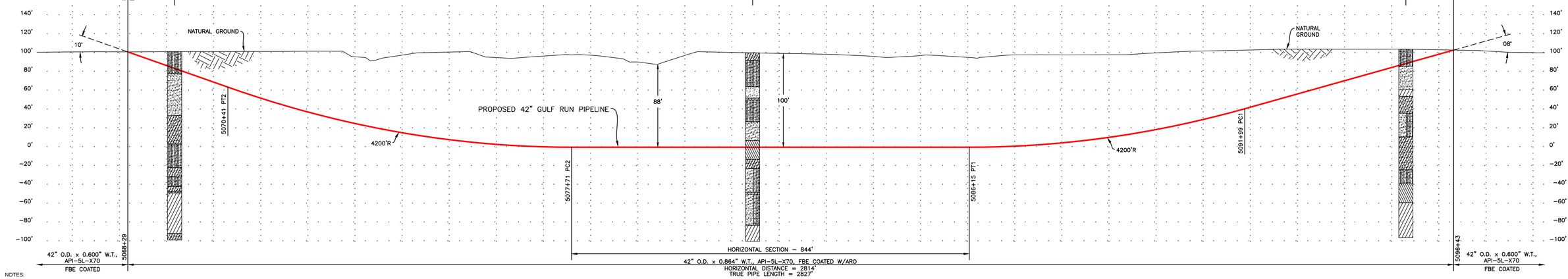
VERNON & BEAUREGARD PARISHES, LOUISIANA
SECTIONS 23 & 26, T2S – R11W



PLAN
SCALE: 1" = 100'

DIRECTIONAL DRILL DATA PROPOSED 42" GULF RUN PIPELINE HDD NO. 7 BAYOU ANACOCO		
DESCRIPTION	STATION	ELEVATION (ft)
ENTRY @ 08°	5096+43	102.49'
PC1= (4200 RADIUS)	5091+99	40.19'
PT1=	5086+15	–0.68'
PC2= (4200 RADIUS)	5077+71	–0.68'
PT2=	5070+41	63.12'
EXIT @ 10°	5068+29	100.57'
DIRECTIONAL DRILL PIPE LENGTH = 2827 FT		
HORIZONTAL DISTANCE = 2814 FT		

HDD NO. 7 BAYOU ANACOCO
M.P. 96.26



PROFILE
HORIZONTAL SCALE: 1" = 100'
VERTICAL SCALE: 1" = 50'

NOTES:

1. VERTICAL DATUM: NAVD 88, HORIZONTAL DATUM: NAD83 UTM15, NORTH ZONE, US FOOT.
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10. IF THE CONTRACTOR ENCOUNTERS AN OBSTRUCTION WHICH PREVENTS THE INSTALLATION ACCORDING TO THE SPECIFICATIONS, THE BORE SHALL BE ABANDONED IN PLACE AND IMMEDIATELY FILLED WITH GROUT. WORK SHALL NOT RESUME UNTIL REVISED PLANS AND PROCEDURES HAVE BEEN SUBMITTED TO AND APPROVED BY OWNER.
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12. CONTRACTOR SHALL MOBILIZE DRILL RIG AT THE DESIGN EXIT POINT FOR PIPE PULL SECTION INSTALLATION AFTER COMPLETING PILOT HOLE AND REMAINING OPERATIONS FROM THE DESIGNED ENTRY POINT

PROPOSED PERMANENT EASEMENT
PROPOSED TEMPORARY WORKSPACE
EXTRA TEMPORARY WORKSPACE
WETLAND

1.) EXCAVATE WITH CAUTION!!! EXACT LOCATIONS OF EXISTING UNDERGROUND PIPES AND UTILITIES ARE UNKNOWN.

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BORE LEGEND

LEAN CLAY (CL)
FAT CLAY (CH)
SILTY SAND (SM)
FAT CLAY WITH SAND (CH)
SANDY LEAN CLAY (CL)
POORLY GRADED SAND WITH SILT (SP–SM)
POORLY GRADED SAND (SP)
POORLY GRADED SAND WITH GRAVEL (SP)

MOTT MACDONALD
101 CROSLEY STREET
WEST MONROE, LA 71291
T 318 329 0095
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A	11/15/19	JRC	ISSUED FOR FERC	JOI	CKF				

REVISIONS

ENABLE MIDSTREAM PARTNERS

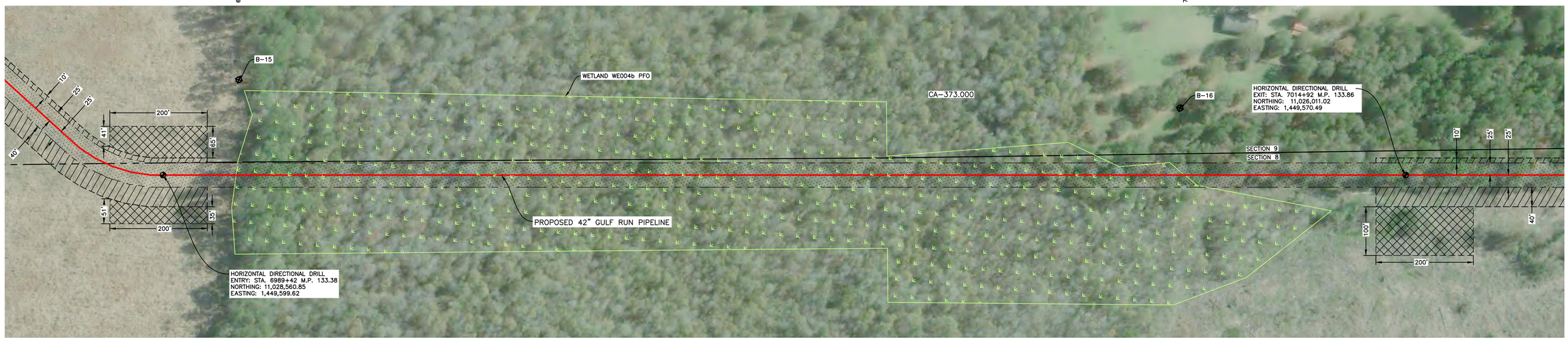
Enable Gulf Run Transmission, LLC
OKLAHOMA CITY, OK

GULF RUN PIPELINE

GULF RUN PIPELINE
PROPOSED 42" GULF RUN PIPELINE
HDD NO. 7 BAYOU ANACOCO
STA. NO. 5068+29 TO STA. NO. 5096+43
VERNON & BEAUREGARD PARISHES, LOUISIANA

SCALE	CREATED ON	LAST EDIT	DRAWN BY	SHT SIZE	JOB TYPE	JOB NUMBER	DWG AREA	SHEET/ AREA	REF SHT
AS NOTED	07/15/19	01/30/20	JRC–MM	D	PL	EGRT–GR	086	F	B R

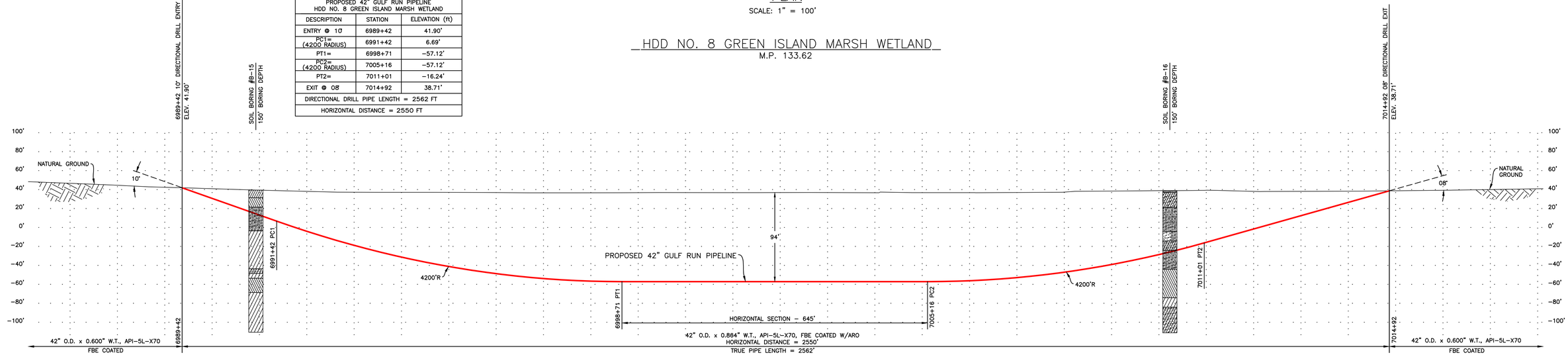
CALCASIEU PARISH, LOUISIANA
SECTIONS 8 & 9, T8S – R12W



PLAN
SCALE: 1" = 100'

DIRECTIONAL DRILL DATA PROPOSED 42" GULF RUN PIPELINE HDD NO. 8 GREEN ISLAND MARSH WETLAND		
DESCRIPTION	STATION	ELEVATION (ft)
ENTRY @ 10'	6989+42	41.90'
PC1= (4200 RADIUS)	6991+42	6.69'
PT1=	6998+71	-57.12'
PC2= (4200 RADIUS)	7005+16	-57.12'
PT2=	7011+01	-16.24'
EXIT @ 08°	7014+92	38.71'
DIRECTIONAL DRILL PIPE LENGTH = 2562 FT		
HORIZONTAL DISTANCE = 2550 FT		

HDD NO. 8 GREEN ISLAND MARSH WETLAND
M.P. 133.62



PROFILE
HORIZONTAL SCALE: 1" = 100'
VERTICAL SCALE: 1" = 50'

NOTES:

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BORE LEGEND

- LEAN CLAY WITH SAND (CL)
- LEAN CLAY (CL)
- CLAYEY SAND (SC)
- FAT CLAY (CH)
- SILTY SAND (SM)
- SANDY LEAN CLAY (CL)
- POORLY GRADED SAND WITH SILT (SP-SM)

- PROPOSED PERMANENT EASEMENT
- PROPOSED TEMPORARY WORKSPACE
- EXTRA TEMPORARY WORKSPACE
- WETLAND

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MOTT MACDONALD
101 CROSLEY STREET
WEST MONROE, LA 71291
T 318 329 0095
LOUISIANA ENGINEERING
FIRM NO. EF-0003450

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B	01/31/20	MM	ISSUED FOR FERC APPLICATION	JOI	CKF				
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REVISIONS

ENABLE MIDSTREAM PARTNERS

Enable Gulf Run Transmission, LLC
OKLAHOMA CITY, OK

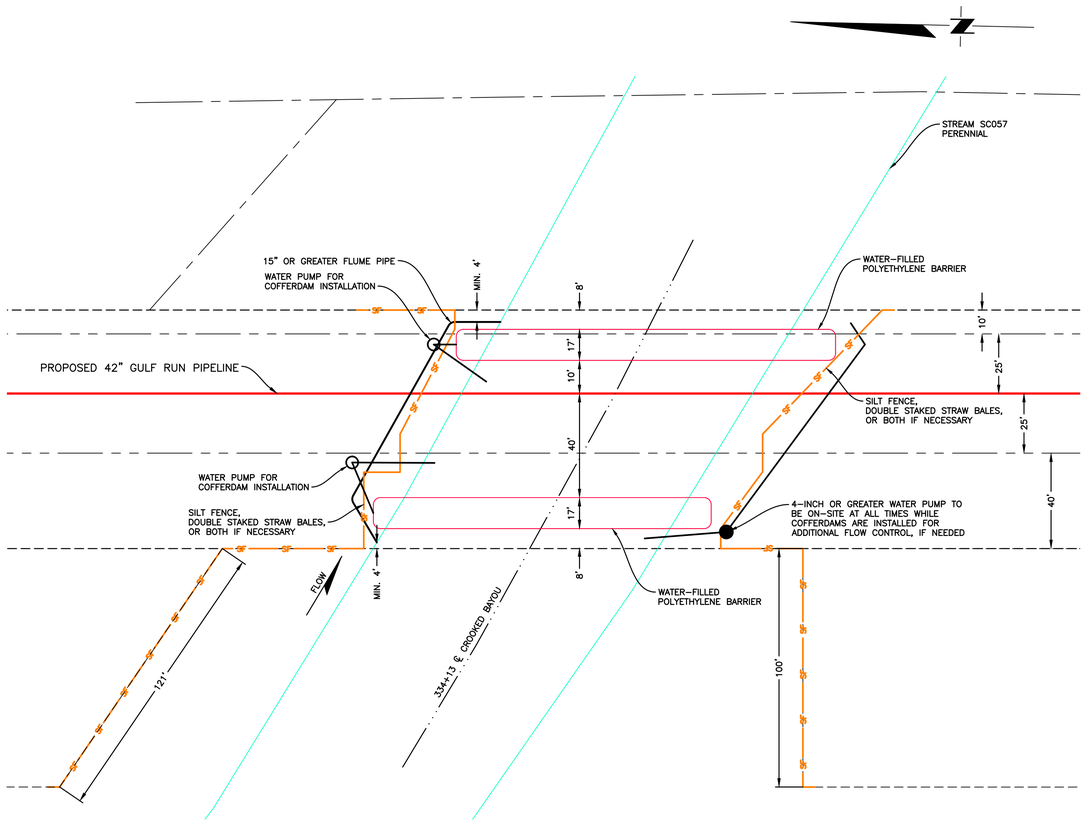
GULF RUN PIPELINE

GULF RUN PIPELINE
PROPOSED 42" GULF RUN PIPELINE
HDD NO. 8 GREEN ISLAND MARSH WETLAND
STA. NO. 6989+42 TO STA. NO. 7014+92
CALCASIEU PARISH, LOUISIANA

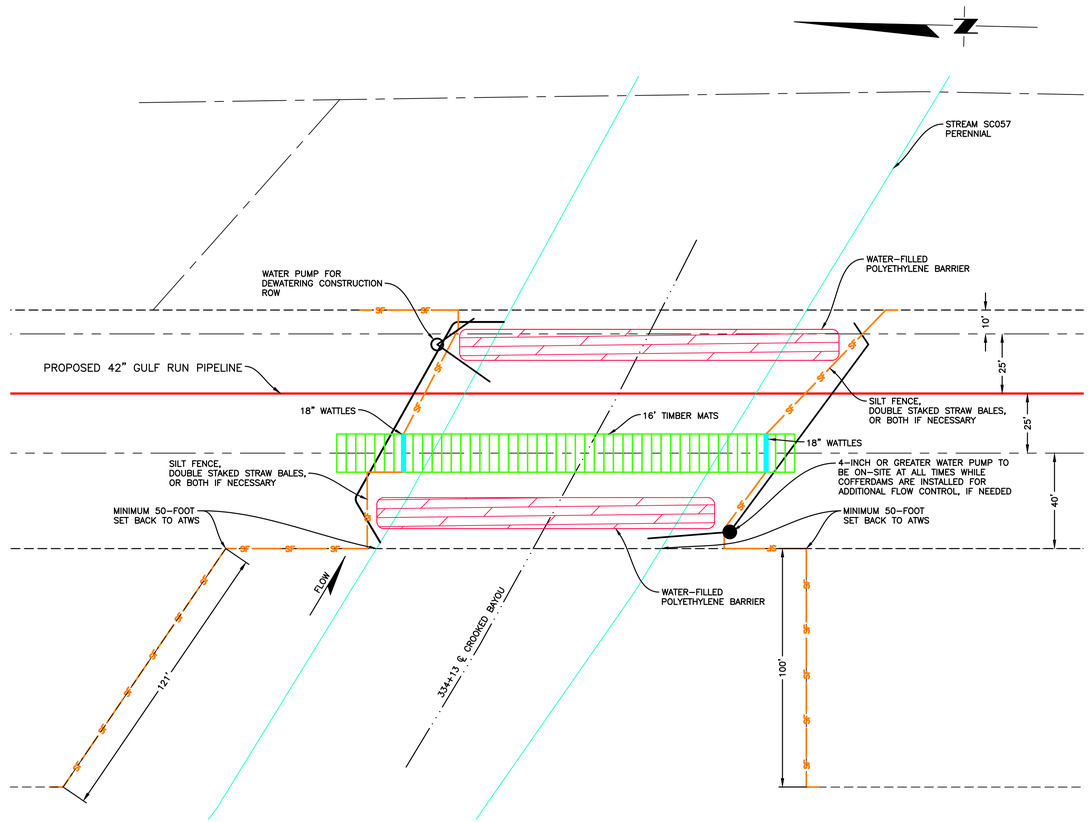
SCALE	CREATED ON	LAST EDIT	DRAWN BY	D	PL	EGRT-GR		119	F	B
				SHT SIZE	JOB TYPE	JOB NUMBER	DWG AREA	SHEET/ AREA	REF SHT	R
AS NOTED	07/15/19	01/30/20	JRC-MM							

Crooked Bayou Crossing Plan

RED RIVER PARISH, LOUISIANA
SECTION 16, T13N, R11W



COFFERDAM INSTALLATION PLAN
(DAY 1 AND 2)
SCALE: 1" = 30'



WATERBODY CONSTRUCTION ACCESS
(DAY 2 AND 3)
SCALE: 1" = 30'

NOTES:

1. FLUME PIPE SIZING ESTABLISHED BY INSTALLING ONE SIZE GREATER THAN EXISTING DOWNSTREAM CULVERT OF 12 INCHES.
2. NO FUELING WITHIN 100 FEET OF WATERBODY UNLESS NECESSARY FOR WATER PUMPING ACTIVITIES. IN THE CASE FUELING IS REQUIRED WITHIN 100 FEET OF WATERBODY, EQUIPMENT SHALL CONTAIN SECONDARY CONTAINMENT.
3. EQUIPMENT OR HAZARDOUS MATERIALS SHALL NOT BE STORED/STAGED WITHIN 100 FEET OF WATERBODY.
4. FLUME PIPE SHALL BE INSTALLED TO MAINTAIN FLOW AS DEPICTED ON THIS DRAWING.
5. FLOWLINE OF FLUME PIPE SHALL BE INSTALLED AT A MAXIMUM ELEVATION OF 133.7 FEET.
6. FLUME PIPE SHALL BE 15-INCH OR GREATER IN DIAMETER.
7. WATER PUMPS SHALL CONTAIN SECONDARY CONTAINMENT WHEN WITHIN 100 FEET OF WATER BODY.
8. ALL ENVIRONMENTAL CONTROL DEVICES SHALL BE INSTALLED AS DEPICTED ON THIS DRAWING AND MONITORED.
9. WATER PUMP(S) SHALL BE ONSITE WHEN DAMS ARE INSTALLED.
10. PIPE SHALL BE INSTALLED AT A MINIMUM OF 5 FEET UNDER BED OF WATERBODY.
11. 12,500 POUND WEIGHTS SHALL BE INSTALLED AT A CENTER-TO-CENTER SPACING OF 25 FEET.
12. DITCH SPOIL STORAGE SHALL BE A MINIMUM OF 10 FEET FROM WATERBODY.

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0	01/28/20	MM	ISSUED FOR REVIEW			JOI	CKF		

ENABLE MIDSTREAM PARTNERS

Enable Gulf Run Transmission, LLC
OKLAHOMA CITY, OK

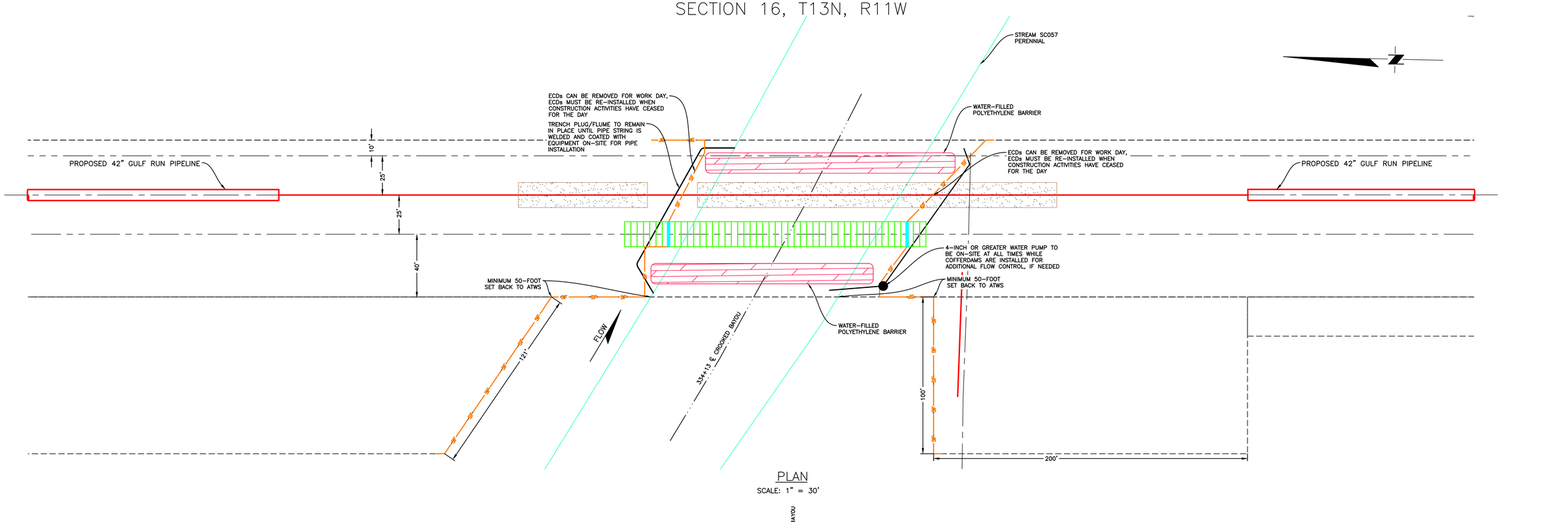
GULF RUN PIPELINE

GULF RUN PIPELINE
PROPOSED 42" GULF RUN PIPELINE
SITE SPECIFIC NO. 1 CROOKED BAYOU

RED RIVER PARISH, LOUISIANA

SCALE	CREATED ON	LAST EDIT	DRAWN BY	SHT SIZE	JOB TYPE	JOB NUMBER	DWG AREA	SHEET/ AREA	REF SHT
AS NOTED	01/08/20	01/28/20	MM	D	PL	EGRT-GR		006	F	0 R

RED RIVER PARISH, LOUISIANA
SECTION 16, T13N, R11W



PLAN
SCALE: 1" = 30'

PIPE INSTALLATION PREPARATION
(DAY 4)

PROFILE
HORIZONTAL SCALE: 1" = 30'
VERTICAL SCALE: 1" = 20'

NOTES:

1. FLUME PIPE SIZING ESTABLISHED BY INSTALLING ONE SIZE GREATER THAN EXISTING DOWNSTREAM CULVERT OF 12 INCHES.
2. NO FUELING WITHIN 100 FEET OF WATERBODY UNLESS NECESSARY FOR WATER PUMPING ACTIVITIES. IN THE CASE FUELING IS REQUIRED WITHIN 100 FEET OF WATERBODY, EQUIPMENT SHALL CONTAIN SECONDARY CONTAINMENT.
3. EQUIPMENT OR HAZARDOUS MATERIALS SHALL NOT BE STORED/STAGED WITHIN 100 FEET OF WATERBODY.
4. FLUME PIPE SHALL BE INSTALLED TO MAINTAIN FLOW AS DEPICTED ON THIS DRAWING.
5. FLOWLINE OF FLUME PIPE SHALL BE INSTALLED AT A MAXIMUM ELEVATION OF 133.7 FEET.
6. FLUME PIPE SHALL BE 15-INCH OR GREATER IN DIAMETER.
7. WATER PUMPS SHALL CONTAIN SECONDARY CONTAINMENT WHEN WITHIN 100 FEET OF WATER BODY.
8. ALL ENVIRONMENTAL CONTROL DEVICES SHALL BE INSTALLED AS DEPICTED ON THIS DRAWING AND MONITORED.
9. WATER PUMP(S) SHALL BE ONSITE WHEN DAMS ARE INSTALLED.
10. PIPE SHALL BE INSTALLED AT A MINIMUM OF 5 FEET UNDER BED OF WATERBODY.
11. 12,500 POUND WEIGHTS SHALL BE INSTALLED AT A CENTER-TO-CENTER SPACING OF 25 FEET.
12. DITCH SPOIL STORAGE SHALL BE A MINIMUM OF 10 FEET FROM WATERBODY.

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WEST MONROE, LA 71291
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LOUISIANA ENGINEERING
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REV LEVEL	DATE	BY	DESCRIPTION	CK. DRAFT.	APP. DEPT.	CK. MM	APP. DEPT.	CK. DESIGN	APP. ENG.
0	01/28/20	JRC	ISSUED FOR REVIEW			JOI	CKF		

REVISIONS

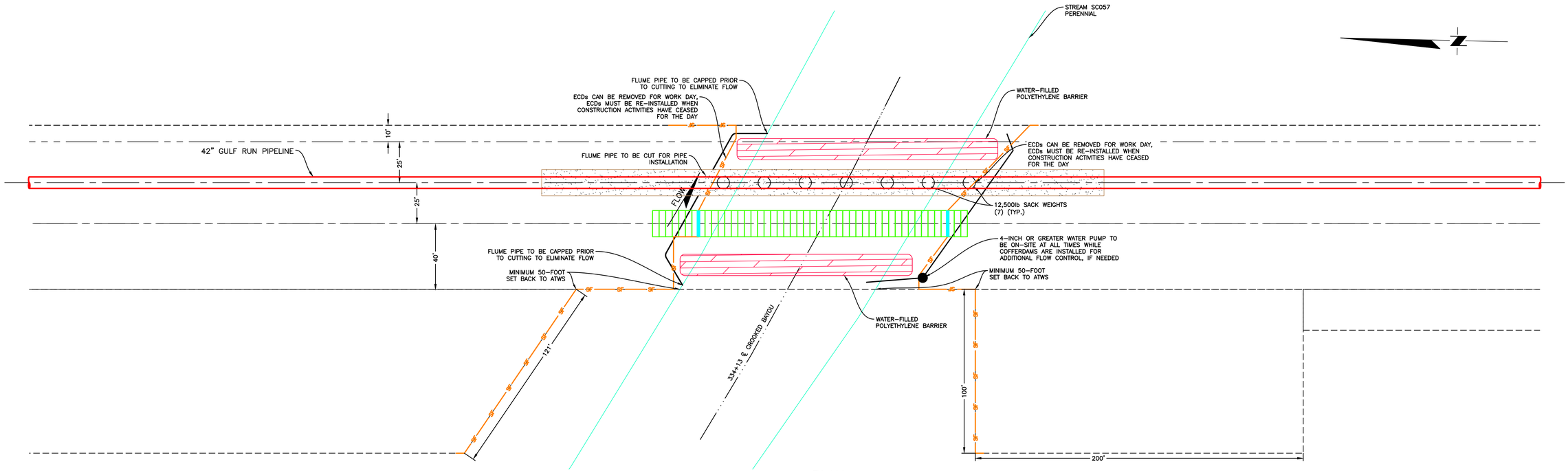
Enable Gulf Run Transmission, LLC
OKLAHOMA CITY, OK

GULF RUN PIPELINE
PROPOSED 42" GULF RUN PIPELINE
SITE SPECIFIC NO. 1 CROOKED BAYOU

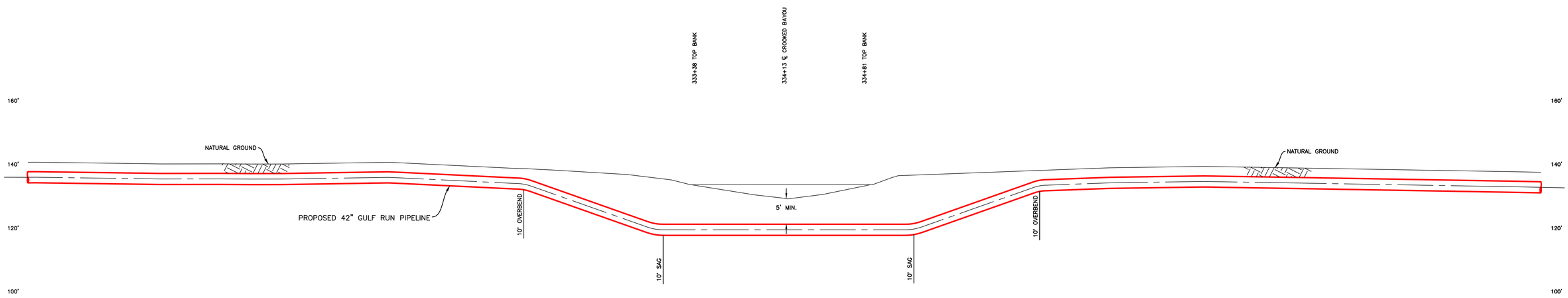
RED RIVER PARISH, LOUISIANA

SCALE	CREATED ON	LAST EDIT	DRAWN BY	SHT SIZE	JOB TYPE	JOB NUMBER	DWG AREA	SHEET/ AREA	REF SHT
AS NOTED	12/12/19	01/28/20	JRC-MM	D	PL	EGRT-GR		006	G 0 R

RED RIVER PARISH, LOUISIANA
SECTION 16, T13N, R11W



PLAN
SCALE: 1" = 30'



PIPE INSTALLATION
(DAY 5)

PROFILE
HORIZONTAL SCALE: 1" = 30'
VERTICAL SCALE: 1" = 20'

NOTES:

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0	01/28/20	JRC	ISSUED FOR REVIEW			JOI	CKF		

REVISIONS

ENABLE MIDSTREAM PARTNERS

Enable Gulf Run Transmission, LLC
OKLAHOMA CITY, OK

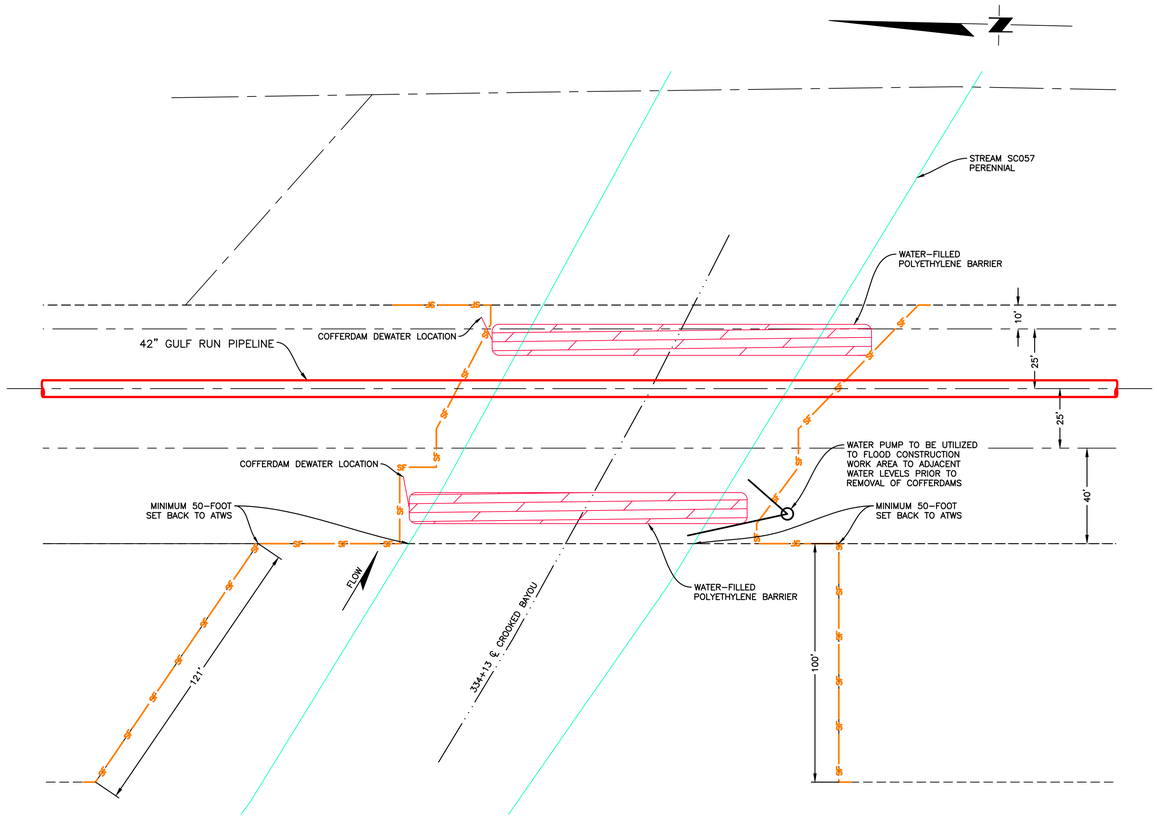
GULF RUN PIPELINE

GULF RUN PIPELINE
PROPOSED 42" GULF RUN PIPELINE
SITE SPECIFIC NO. 1 CROOKED BAYOU

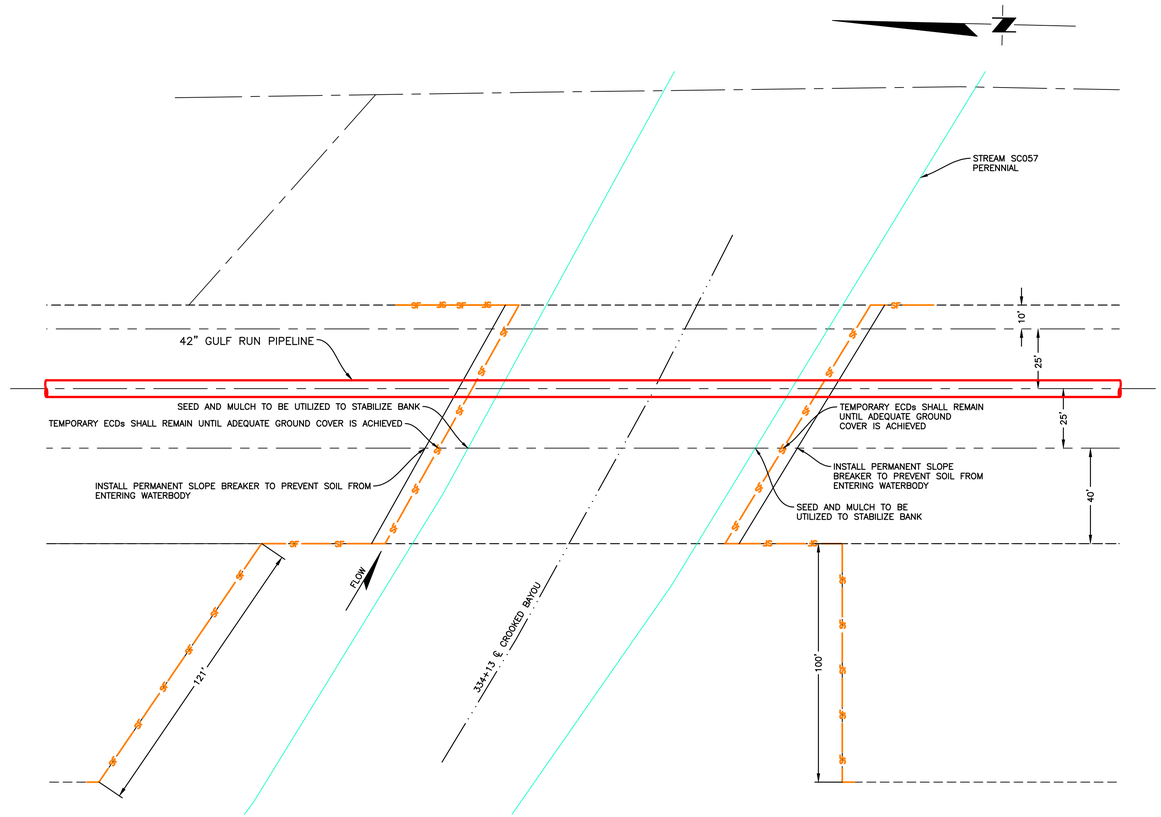
RED RIVER PARISH, LOUISIANA

SCALE	CREATED ON	LAST EDIT	DRAWN BY	SHT SIZE	JOB TYPE	JOB NUMBER	DWG AREA	SHEET/ AREA	REF SHT
AS NOTED	12/12/19	01/28/20	JRC-MM	D	PL	EGRT-GR		006	H 0 R

RED RIVER PARISH, LOUISIANA
SECTION 16, T13N, R11W



COFFERDAM DEWATERING PLAN
(DAY 6)
SCALE: 1" = 30'



WATERBODY RESTORATION PLAN
(DAY 6)
SCALE: 1" = 30'

NOTES:

1. FLUME PIPE SIZING ESTABLISHED BY INSTALLING ONE SIZE GREATER THAN EXISTING DOWNSTREAM CULVERT OF 12 INCHES.
2. NO FUELING WITHIN 100 FEET OF WATERBODY UNLESS NECESSARY FOR WATER PUMPING ACTIVITIES. IN THE CASE FUELING IS REQUIRED WITHIN 100 FEET OF WATERBODY, EQUIPMENT SHALL CONTAIN SECONDARY CONTAINMENT.
3. EQUIPMENT OR HAZARDOUS MATERIALS SHALL NOT BE STORED/STAGED WITHIN 100 FEET OF WATERBODY.
4. FLUME PIPE SHALL BE INSTALLED TO MAINTAIN FLOW AS DEPICTED ON THIS DRAWING.
5. FLOWLINE OF FLUME PIPE SHALL BE INSTALLED AT A MAXIMUM ELEVATION OF 133.7 FEET.
6. FLUME PIPE SHALL BE 15-INCH OR GREATER IN DIAMETER.
7. WATER PUMPS SHALL CONTAIN SECONDARY CONTAINMENT WHEN WITHIN 100 FEET OF WATER BODY.
8. ALL ENVIRONMENTAL CONTROL DEVICES SHALL BE INSTALLED AS DEPICTED ON THIS DRAWING AND MONITORED.
9. WATER PUMP(S) SHALL BE ONSITE WHEN DAMS ARE INSTALLED.
10. PIPE SHALL BE INSTALLED AT A MINIMUM OF 5 FEET UNDER BED OF WATERBODY.
11. 12,500 POUND WEIGHTS SHALL BE INSTALLED AT A CENTER-TO-CENTER SPACING OF 25 FEET.
12. DITCH SPOIL STORAGE SHALL BE A MINIMUM OF 10 FEET FROM WATERBODY.

1.) EXCAVATE WITH CAUTION!!! EXACT LOCATIONS OF EXISTING UNDERGROUND PIPES AND UTILITIES ARE UNKNOWN.

2.) CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION.

MOTT MACDONALD
101 CROSLEY STREET
WEST MONROE, LA 71291
T 318 329 0095
LOUISIANA ENGINEERING
FIRM NO. EF-0003450

REV LEVEL	DATE	BY	DESCRIPTION	CK. DRAFT.	APP. DEPT.	CK. MM	APP. DEPT.	CK. DESIGN	APP. ENG.
0	01/28/20	MM	ISSUED FOR REVIEW			JOI	CKF		

REVISIONS

ENABLE MIDSTREAM PARTNERS

Enable Gulf Run Transmission, LLC
OKLAHOMA CITY, OK

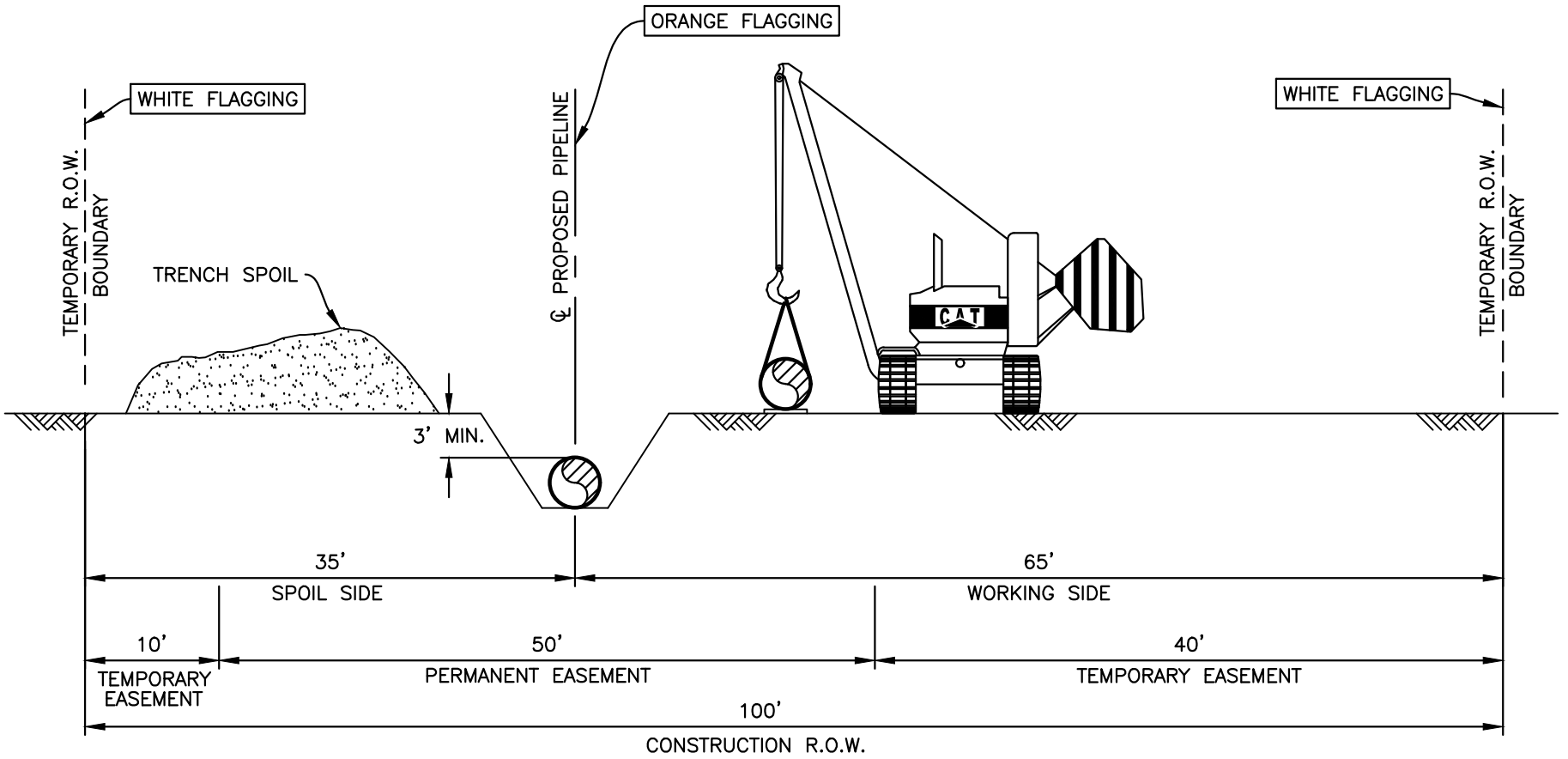
GULF RUN PIPELINE

GULF RUN PIPELINE
PROPOSED 42" GULF RUN PIPELINE
SITE SPECIFIC NO. 1 CROOKED BAYOU

RED RIVER PARISH, LOUISIANA

SCALE	CREATED ON	LAST EDIT	DRAWN BY	SHT SIZE	JOB TYPE	JOB NUMBER	DWG AREA	SHEET/ AREA	REF SHT
AS NOTED	01/08/20	01/28/20	MM	D	PL	EGRT-GR		006 I	0 R

PROJECT CONSTRUCTION TYPICAL DRAWINGS

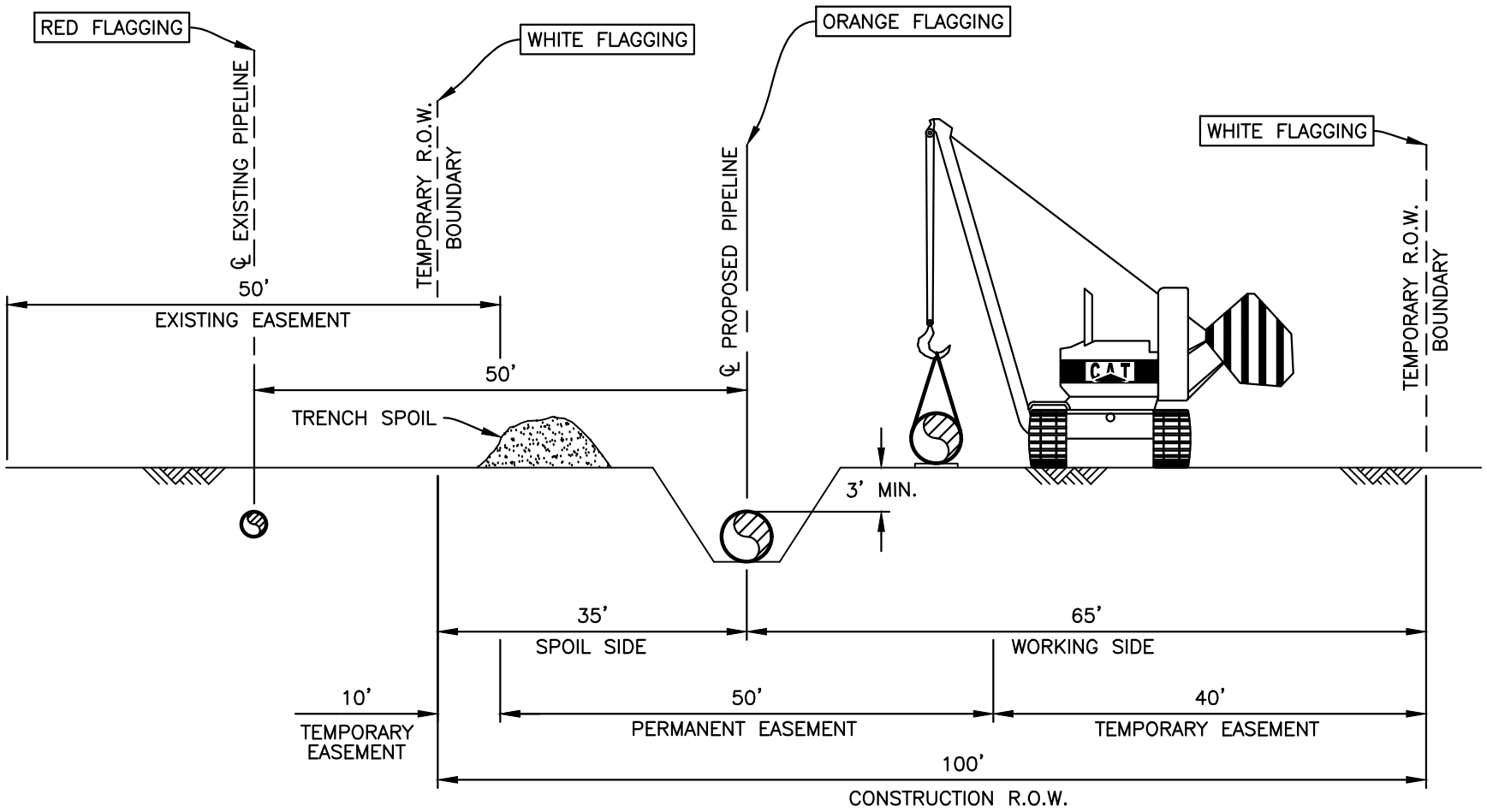


Enable Gulf Run Transmission, LLC

File No.: FIGURE 1

TYPICAL PIPELINE
UPLAND – GREENFIELD
CONSTRUCTION ROW CONFIGURATION

DRAWN BY	ISM	DATE	04/25/19	DWG. NO. FIGURE 1
CHECKED BY	JOI	SCALE	NTS	
APPROVED BY	CKF	REVISION	0	

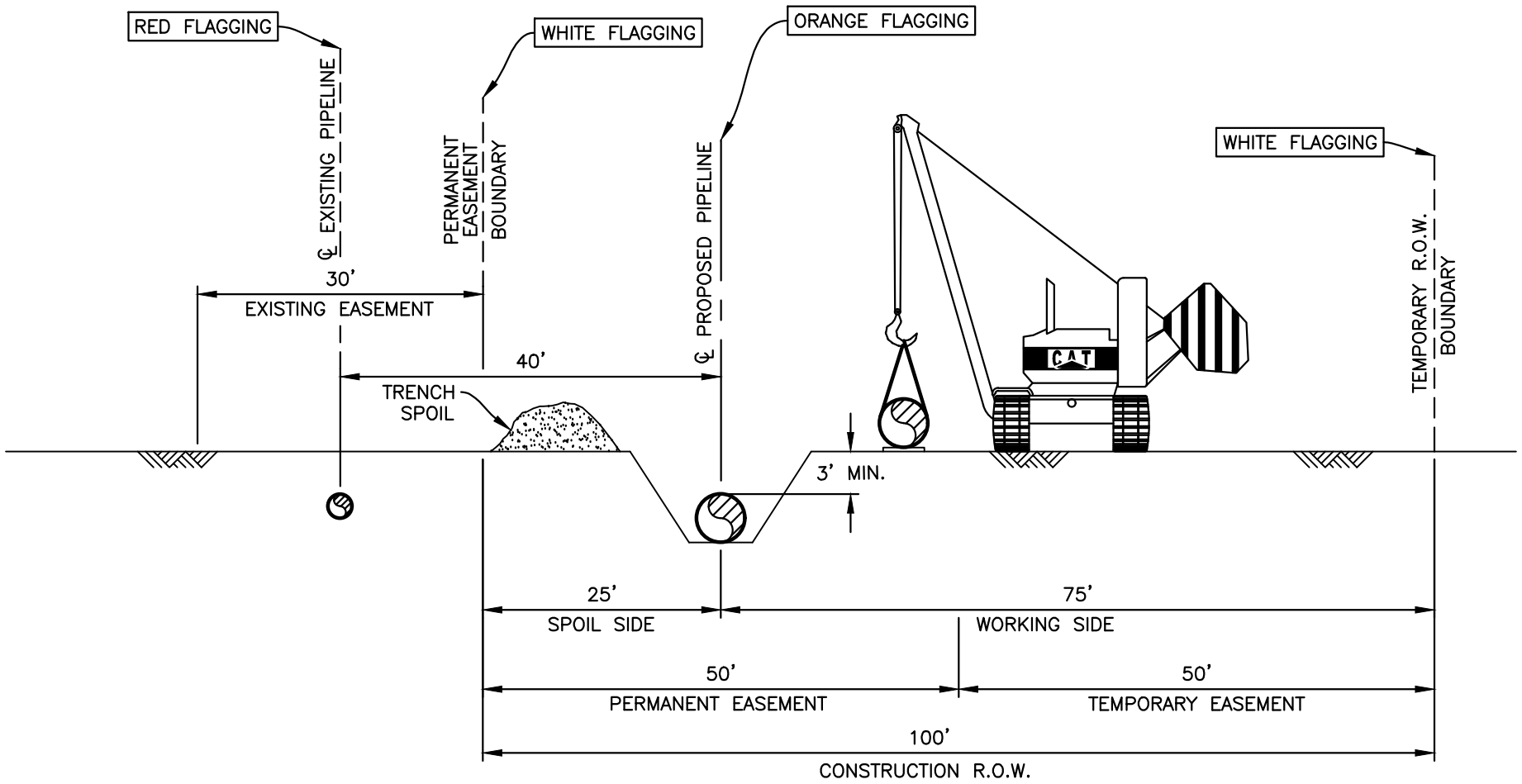


Enable Gulf Run Transmission, LLC

File No.: FIGURE 2

TYPICAL PIPELINE
UPLAND – COLLOCATED
EXISTING PIPELINE WITH 50' EASEMENT
CONSTRUCTION ROW CONFIGURATION

DRAWN BY	ISM	DATE	04/25/19	DWG. NO. FIGURE 2
CHECKED BY	JOI	SCALE	NTS	
APPROVED BY	CKF	REVISION	0	

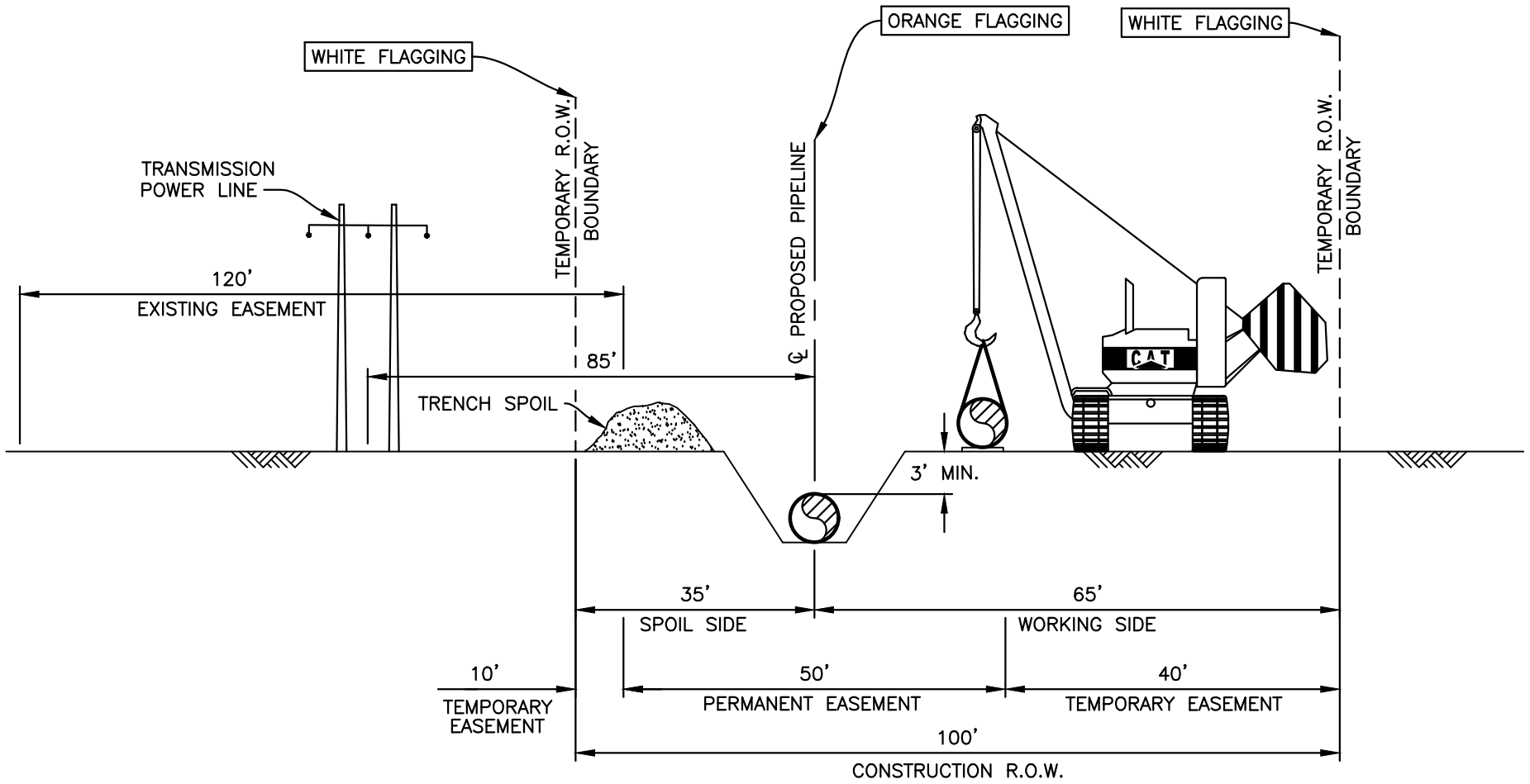


Enable Gulf Run Transmission, LLC

File No.: FIGURE 3

TYPICAL PIPELINE
UPLAND – COLLOCATED
EXISTING PIPELINE WITH 30' EASEMENT
CONSTRUCTION ROW CONFIGURATION

DRAWN BY	ISM	DATE	04/25/19	DWG. NO. FIGURE 3
CHECKED BY	JOI	SCALE	NTS	
APPROVED BY	CKF	REVISION	0	

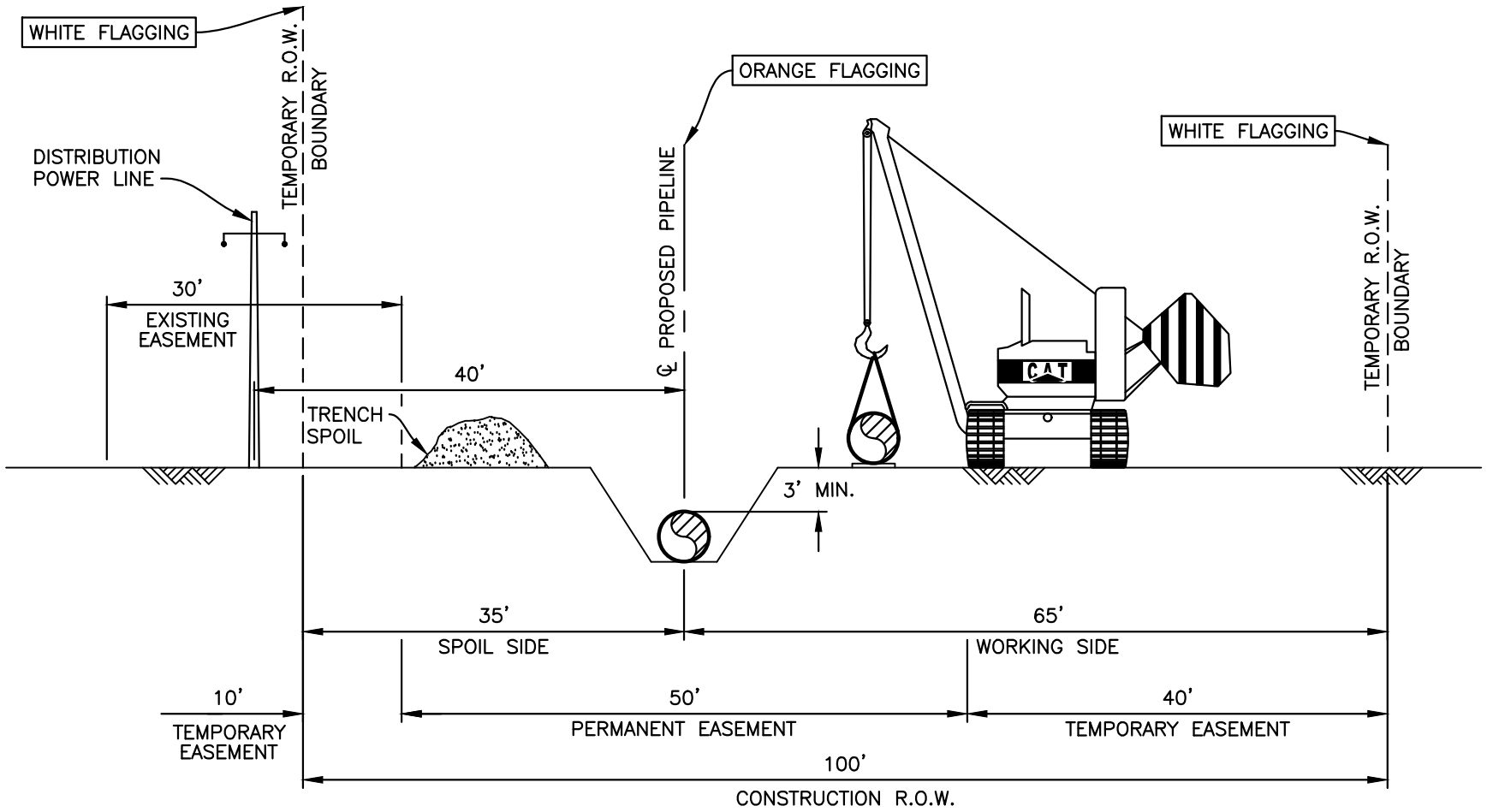


Enable Gulf Run Transmission, LLC

File No.: FIGURE 4

TYPICAL PIPELINE
UPLAND – COLLOCATED
TRANSMISSION POWER LINE WITH 120' EASEMENT
CONSTRUCTION ROW CONFIGURATION

DRAWN BY	ISM	DATE	04/25/19	DWG. NO. FIGURE 4
CHECKED BY	JOI	SCALE	NTS	
APPROVED BY	CKF	REVISION	0	

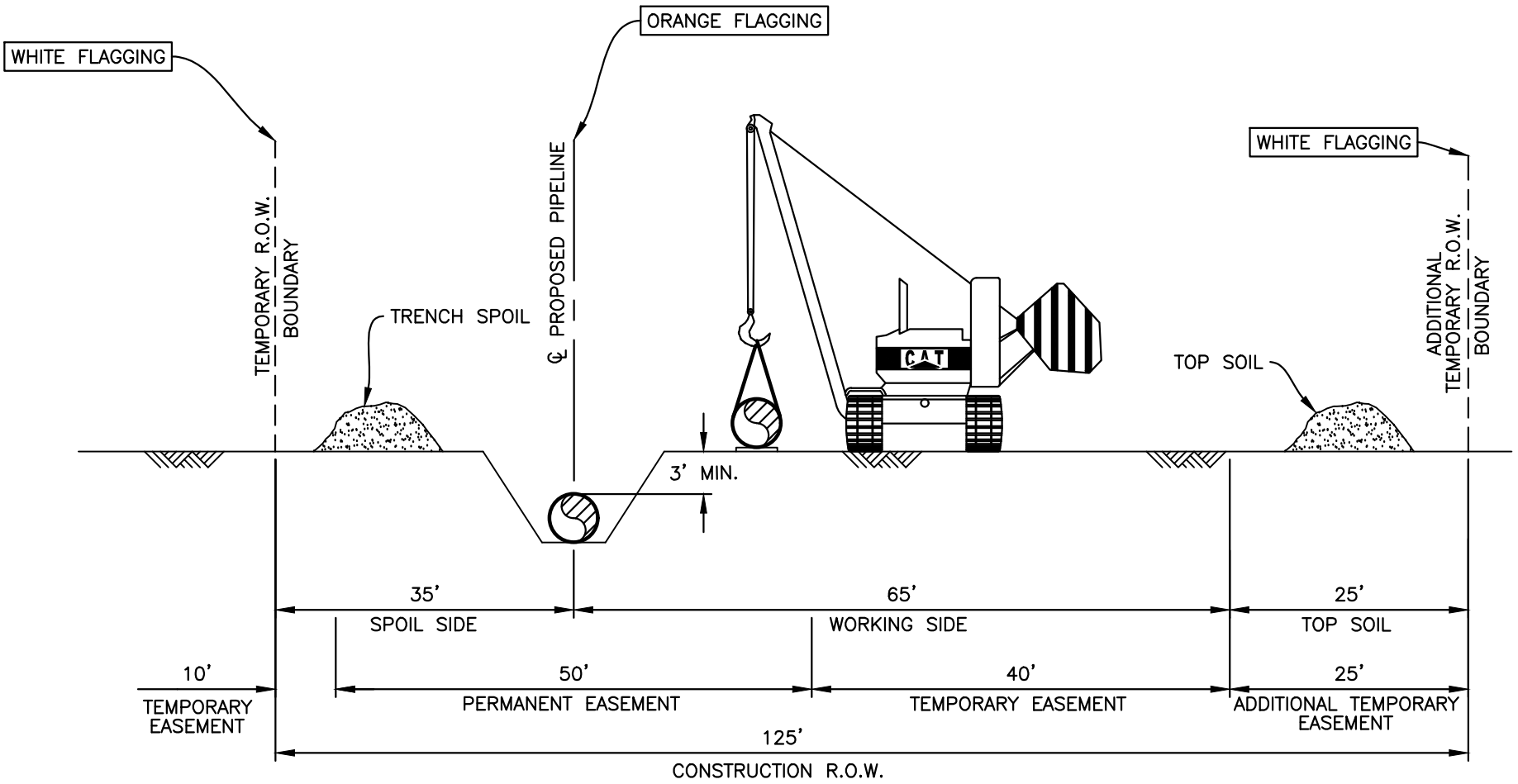


Enable Gulf Run Transmission, LLC

File No.: FIGURE 5

TYPICAL PIPELINE
UPLAND – COLLOCATED
DISTRIBUTION POWER LINE WITH 30' EASEMENT
CONSTRUCTION ROW CONFIGURATION

DRAWN BY	ISM	DATE	04/25/19	DWG. NO. FIGURE 5
CHECKED BY	JOI	SCALE	NTS	
APPROVED BY	CKF	REVISION	0	

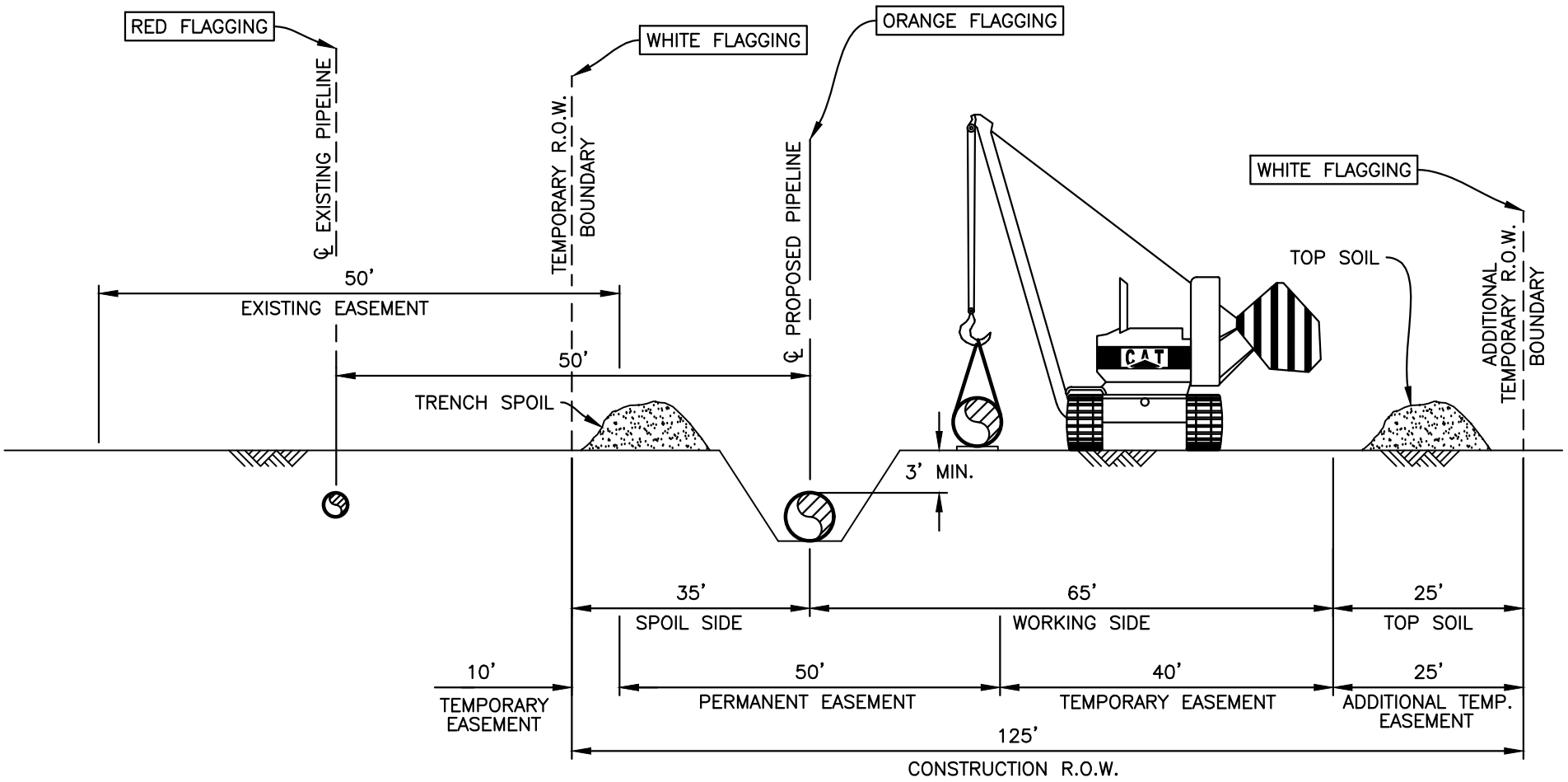


Enable Gulf Run Transmission, LLC

File No.: FIGURE 6

TYPICAL PIPELINE
PASTURE – GREENFIELD
CONSTRUCTION ROW CONFIGURATION

DRAWN BY	ISM	DATE	04/25/19	DWG. NO. FIGURE 6
CHECKED BY	JOI	SCALE	NTS	
APPROVED BY	CKF	REVISION	0	

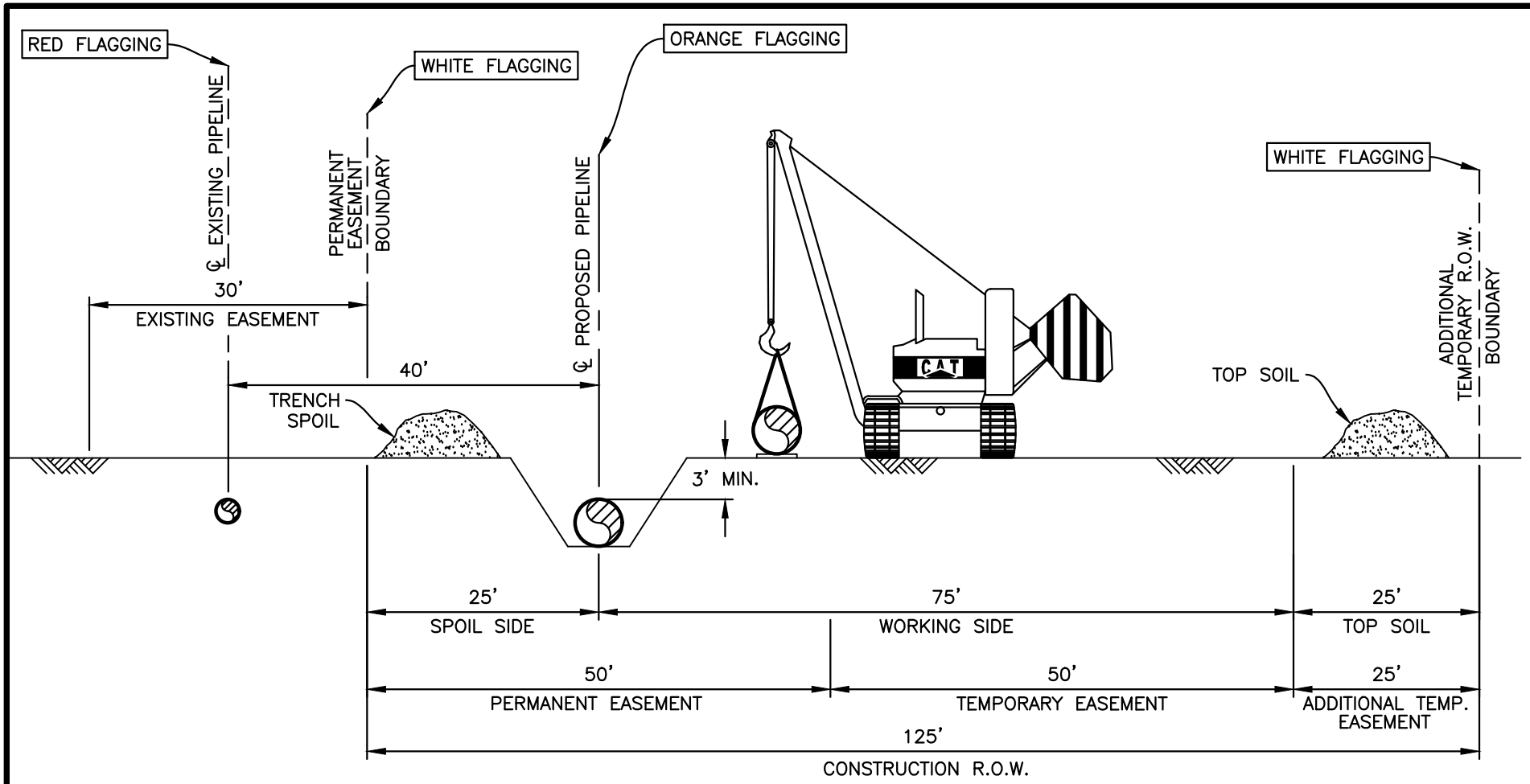


ENABLE MIDSTREAM PARTNERS Enable Gulf Run Transmission, LLC GULF RUN PIPELINE

File No.: FIGURE 7

TYPICAL PIPELINE PASTURE – COLLOCATED EXISTING PIPELINE WITH 50' EASEMENT CONSTRUCTION ROW CONFIGURATION

DRAWN BY	ISM	DATE	04/25/19	DWG. NO. FIGURE 7
CHECKED BY	JOI	SCALE	NTS	
APPROVED BY	CKF	REVISION	0	

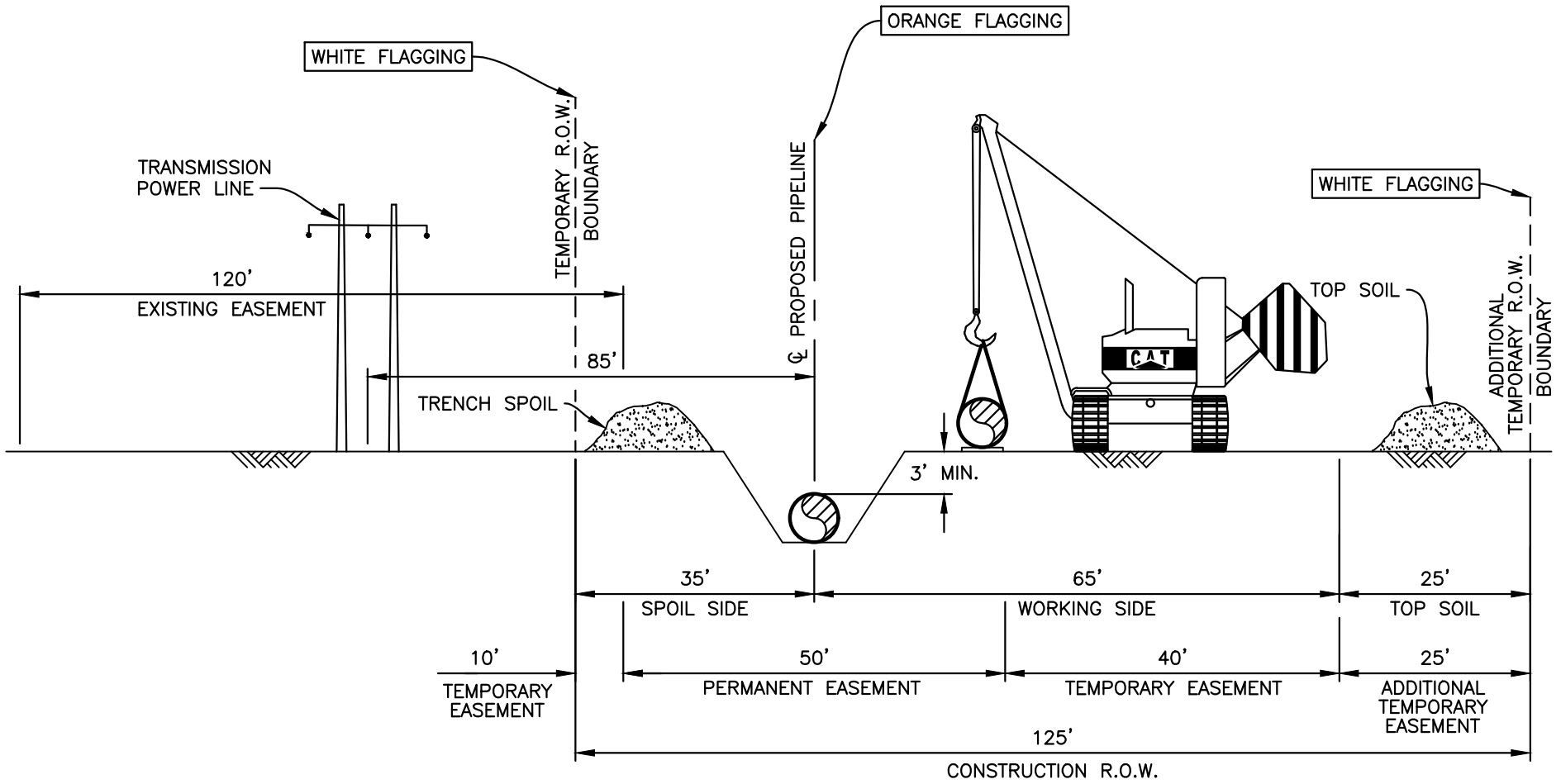


Enable Gulf Run Transmission, LLC

File No.: FIGURE 8

TYPICAL PIPELINE
PASTURE – COLLOCATED
EXISTING PIPELINE WITH 30' EASEMENT
CONSTRUCTION ROW CONFIGURATION

DRAWN BY	ISM	DATE	04/25/19	DWG. NO. FIGURE 8
CHECKED BY	JOI	SCALE	NTS	
APPROVED BY	CKF	REVISION	0	

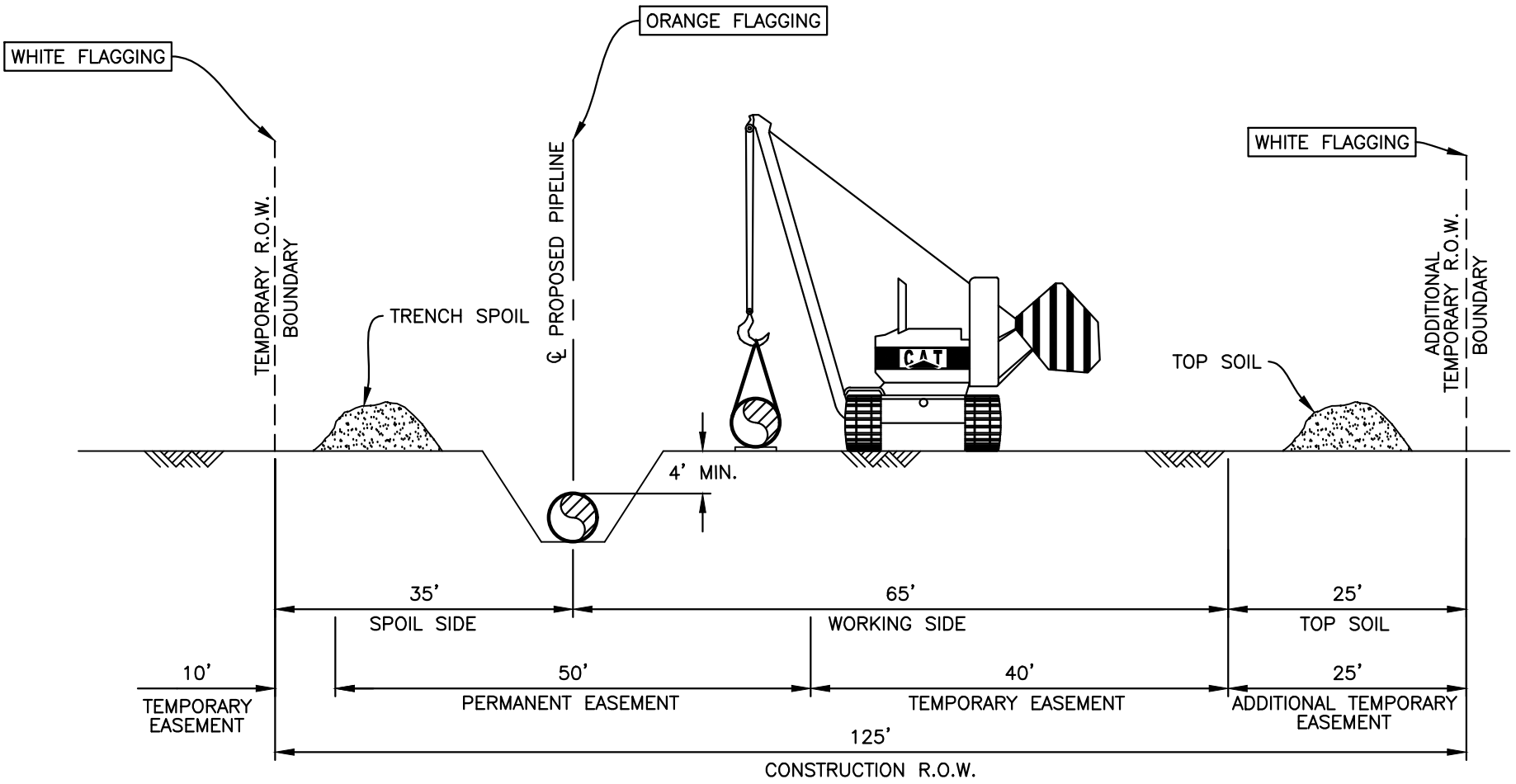


Enable Gulf Run Transmission, LLC

File No.: FIGURE 9

TYPICAL PIPELINE
PASTURE – COLLOCATED
TRANSMISSION POWER LINE WITH 120' EASEMENT
CONSTRUCTION ROW CONFIGURATION

DRAWN BY	ISM	DATE	04/25/19	DWG. NO. FIGURE 9
CHECKED BY	JOI	SCALE	NTS	
APPROVED BY	CKF	REVISION	0	

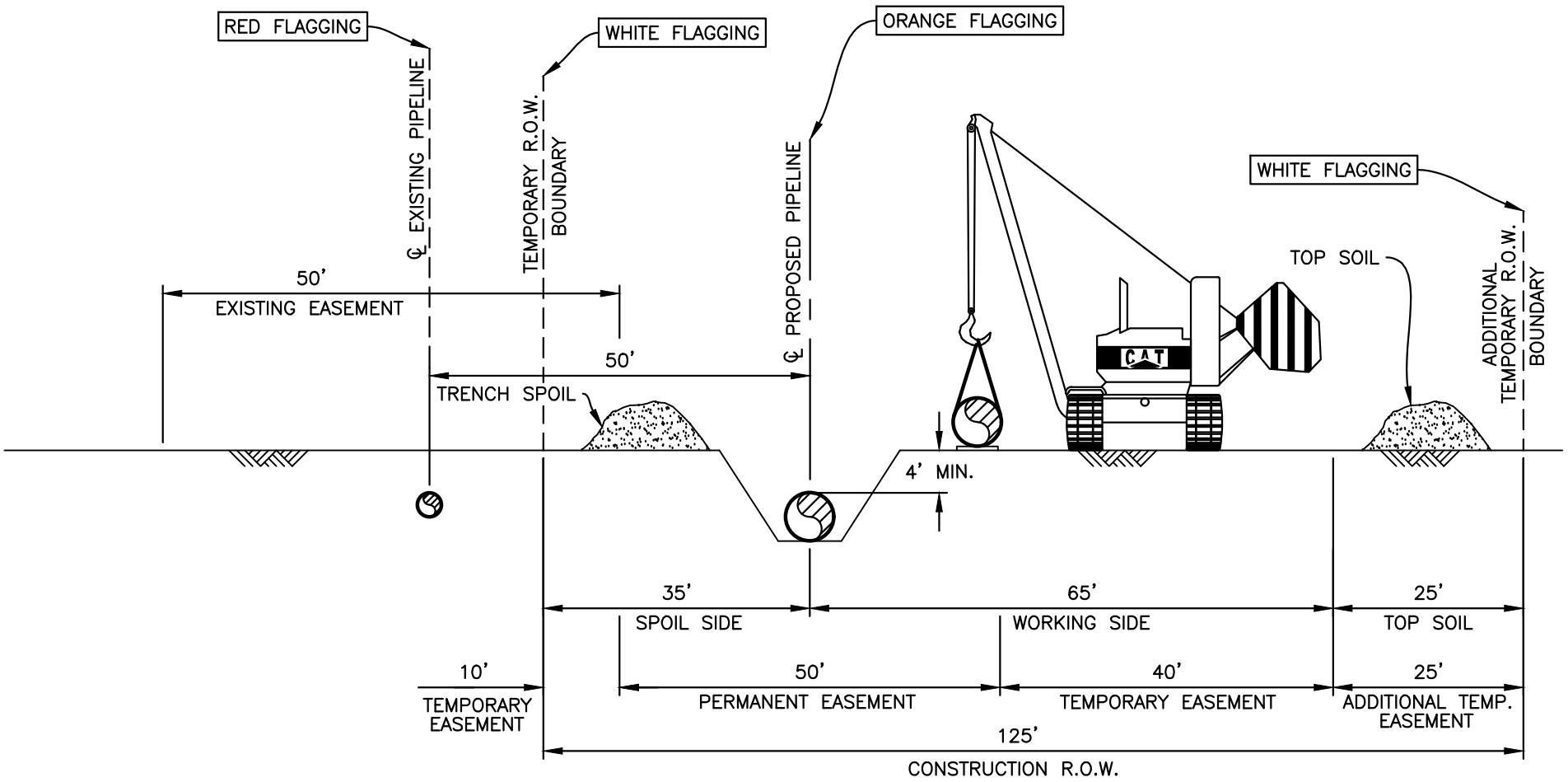


Enable Gulf Run Transmission, LLC

File No.: FIGURE 11

TYPICAL PIPELINE
AGRICULTURAL FIELD – GREENFIELD
CONSTRUCTION ROW CONFIGURATION

DRAWN BY	ISM	DATE	04/25/19	DWG. NO. FIGURE 11
CHECKED BY	JOI	SCALE	NTS	
APPROVED BY	CKF	REVISION	0	



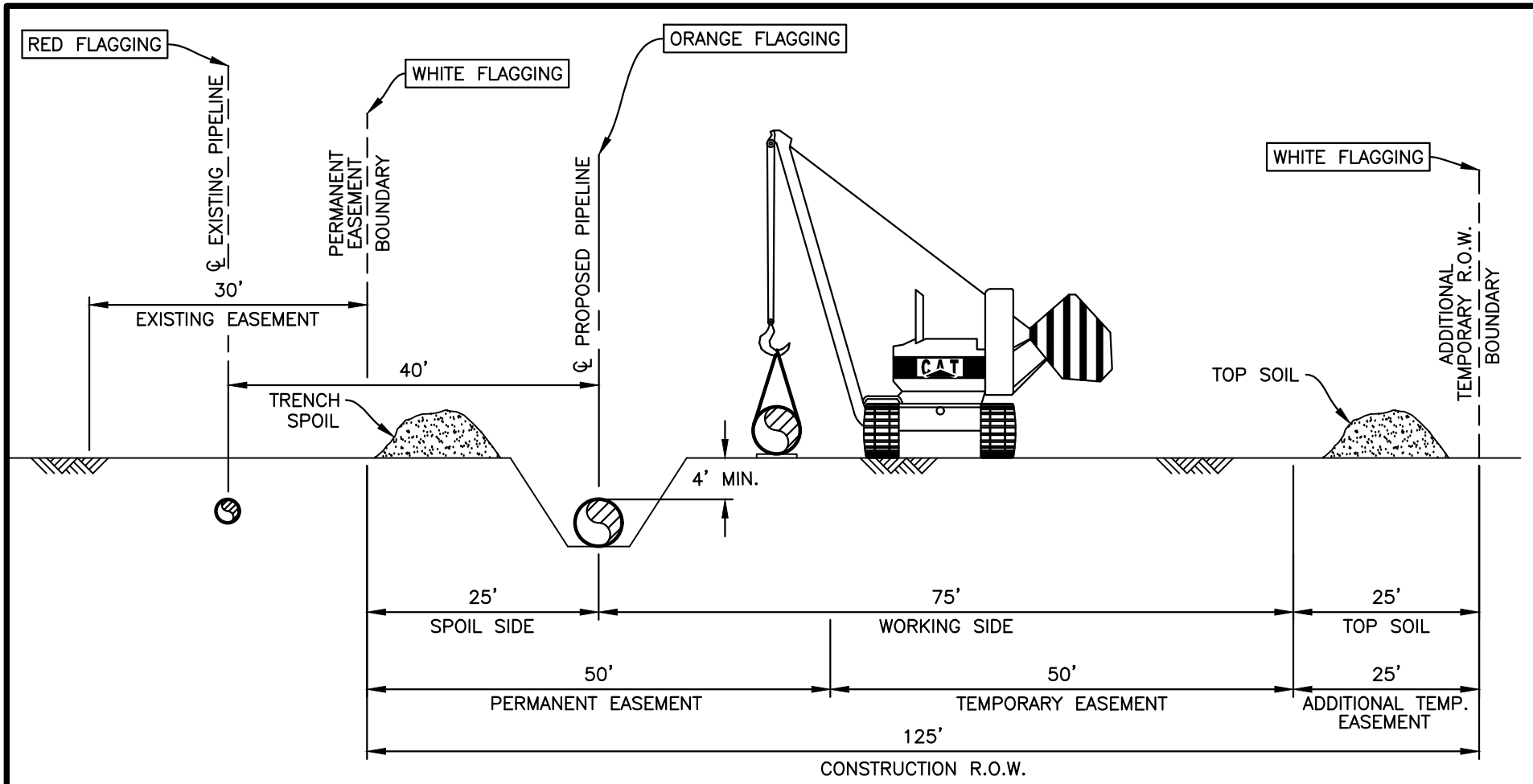
Enable Gulf Run Transmission, LLC

File No.: FIGURE 12

TYPICAL PIPELINE AGRICULTURAL FIELD – COLLOCATED EXISTING PIPELINE WITH 50' EASEMENT CONSTRUCTION ROW CONFIGURATION

DRAWN BY	ISM	DATE	04/25/19
CHECKED BY	JOI	SCALE	NTS
APPROVED BY	CKF	REVISION	0

DWG. NO. FIGURE 12

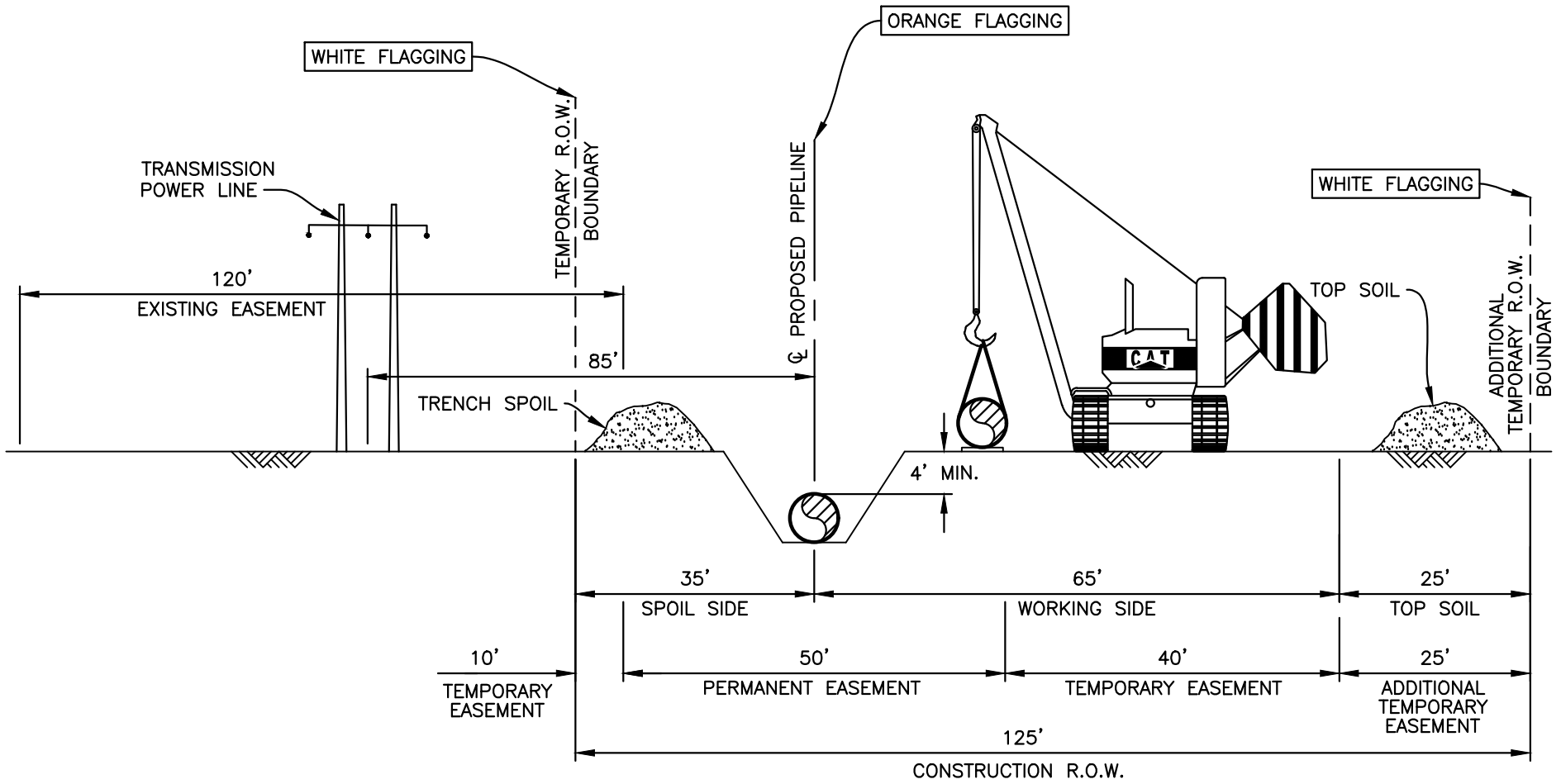


Enable Gulf Run Transmission, LLC

File No.: FIGURE 13

TYPICAL PIPELINE AGRICULTURAL FIELD – COLLOCATED EXISTING PIPELINE WITH 30' EASEMENT CONSTRUCTION ROW CONFIGURATION

DRAWN BY	ISM	DATE	04/25/19	DWG. NO. FIGURE 13
CHECKED BY	JOI	SCALE	NTS	
APPROVED BY	CKF	REVISION	0	



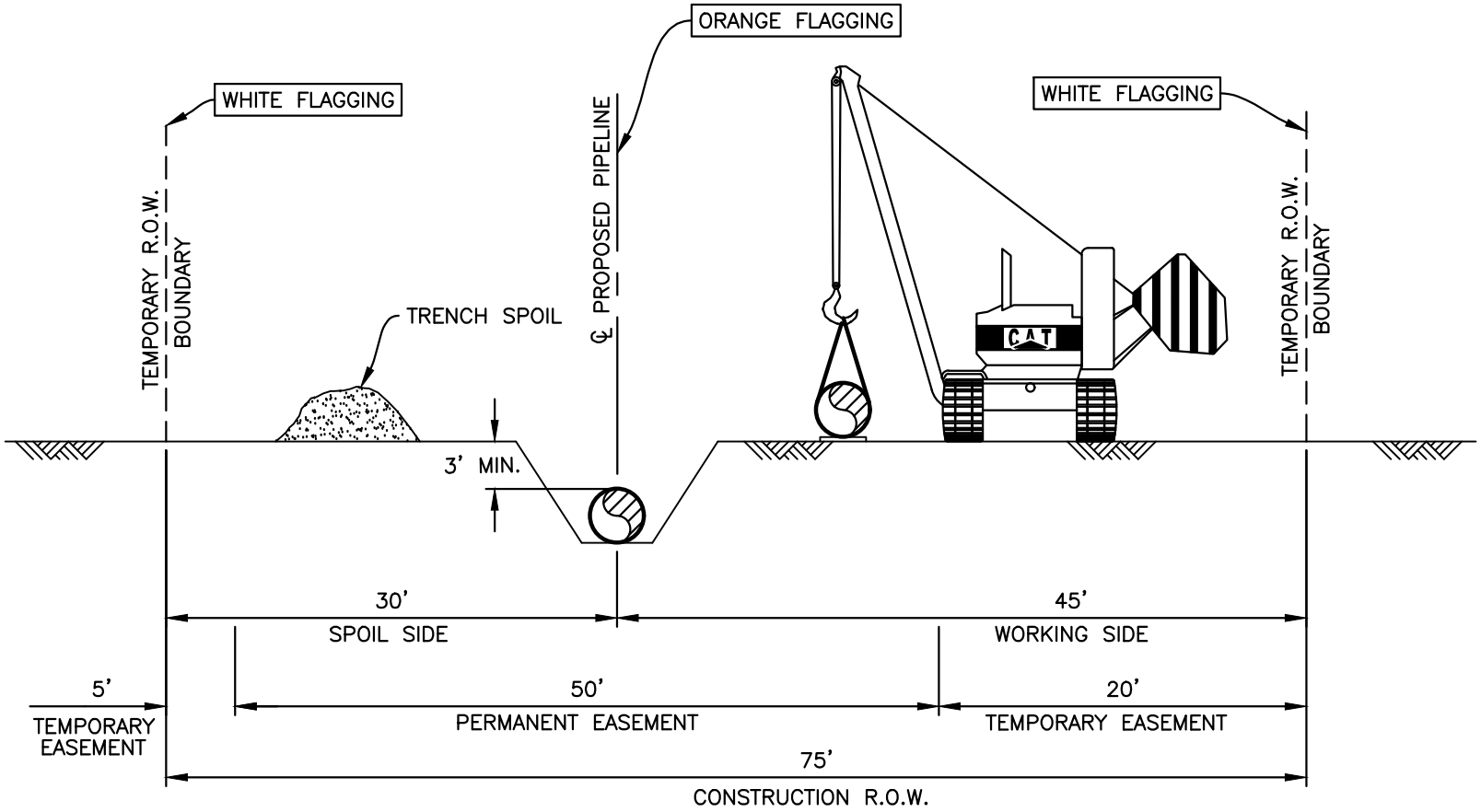
Enable Gulf Run Transmission, LLC

File No.: FIGURE 14

TYPICAL PIPELINE AGRICULTURAL FIELD – COLLOCATED TRANSMISSION POWER LINE WITH 120' EASEMENT CONSTRUCTION ROW CONFIGURATION

DRAWN BY	ISM	DATE	04/25/19
CHECKED BY	JOI	SCALE	NTS
APPROVED BY	CKF	REVISION	0

DWG. NO. FIGURE 14

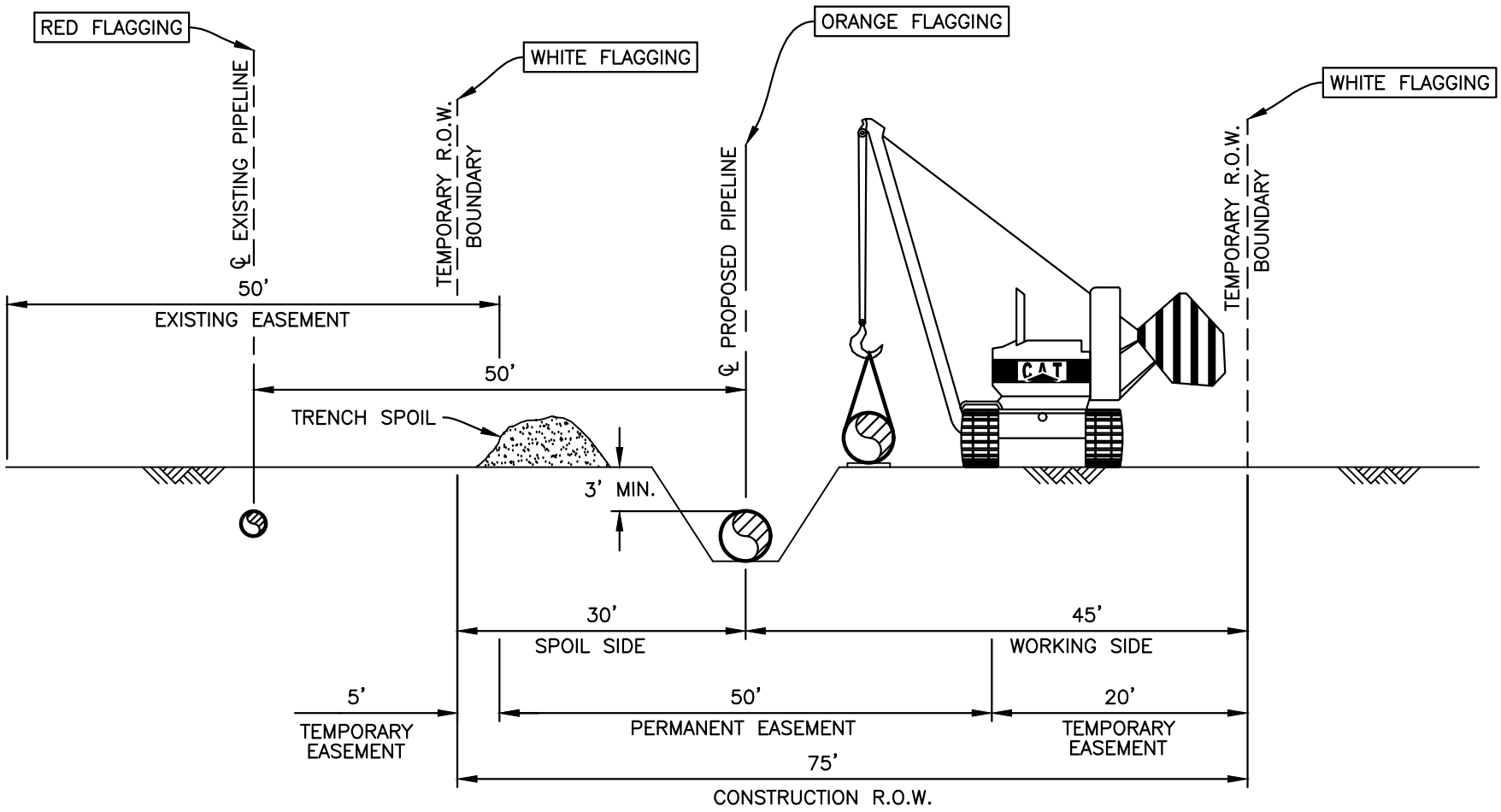


Enable Gulf Run Transmission, LLC

File No.: FIGURE 16

TYPICAL PIPELINE
WETLAND – GREENFIELD
CONSTRUCTION ROW CONFIGURATION

DRAWN BY	ISM	DATE	04/25/19	DWG. NO. FIGURE 16
CHECKED BY	JOI	SCALE	NTS	
APPROVED BY	CKF	REVISION	0	

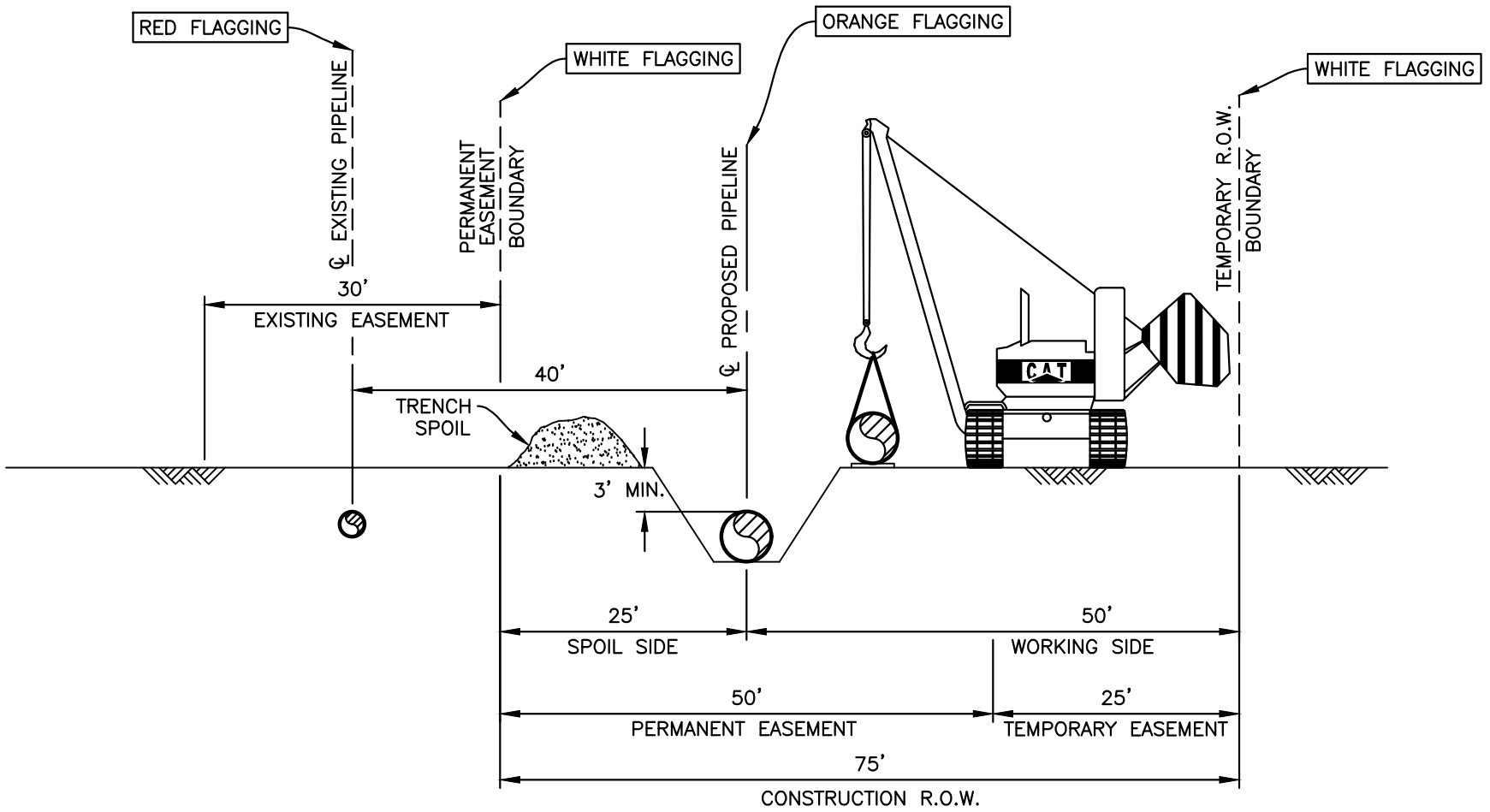


Enable Gulf Run Transmission, LLC

File No.: FIGURE 17

TYPICAL PIPELINE WETLAND – COLLOCATED EXISTING PIPELINE WITH 50' EASEMENT CONSTRUCTION ROW CONFIGURATION

DRAWN BY	ISM	DATE	04/25/19	DWG. NO. FIGURE 17
CHECKED BY	JOI	SCALE	NTS	
APPROVED BY	CKF	REVISION	0	



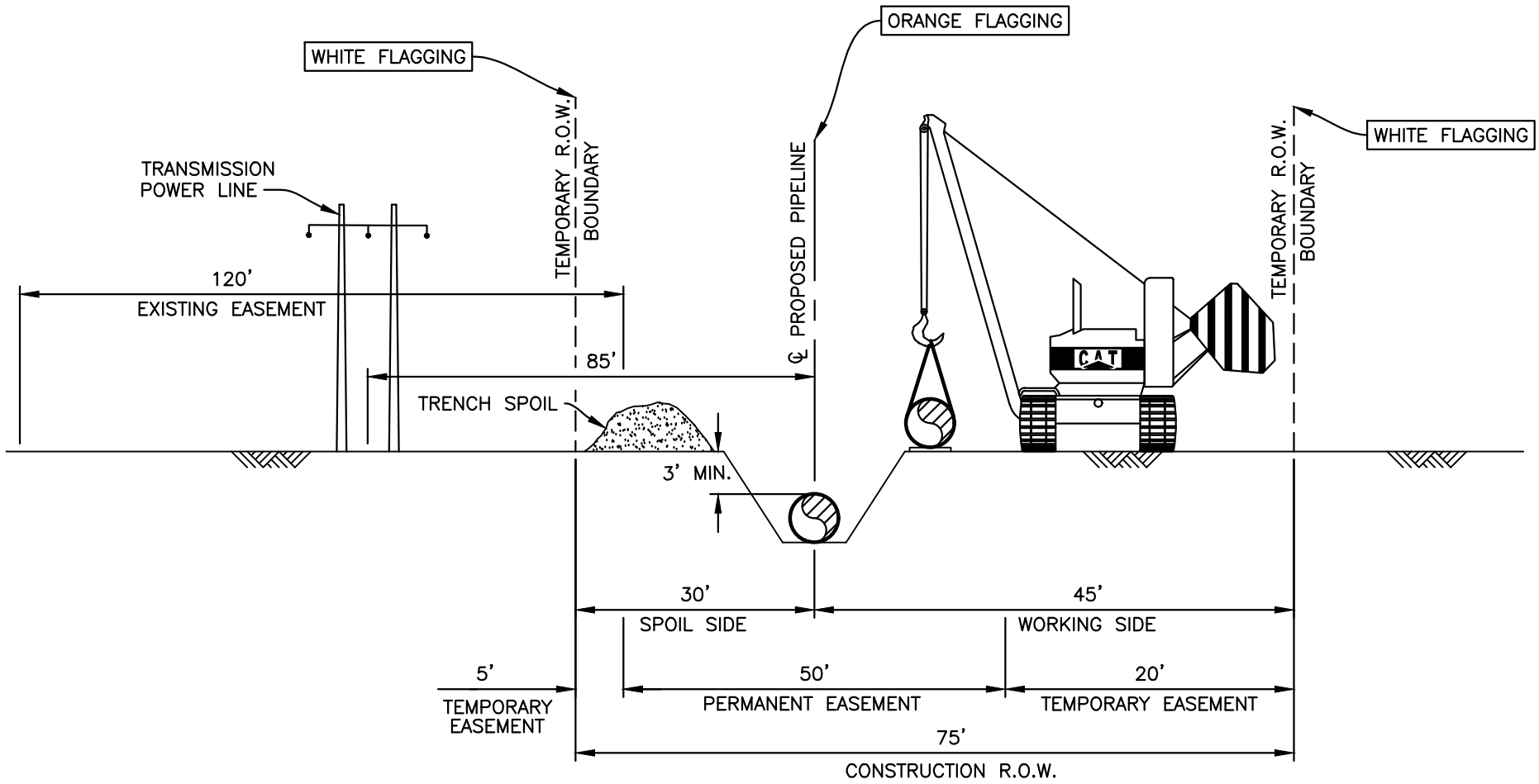
Enable Gulf Run Transmission, LLC

File No.: FIGURE 18

TYPICAL PIPELINE WETLAND – COLLOCATED EXISTING PIPELINE WITH 30' EASEMENT CONSTRUCTION ROW CONFIGURATION

DRAWN BY	ISM	DATE	04/25/19
CHECKED BY	JOI	SCALE	NTS
APPROVED BY	CKF	REVISION	0

DWG. NO. FIGURE 18



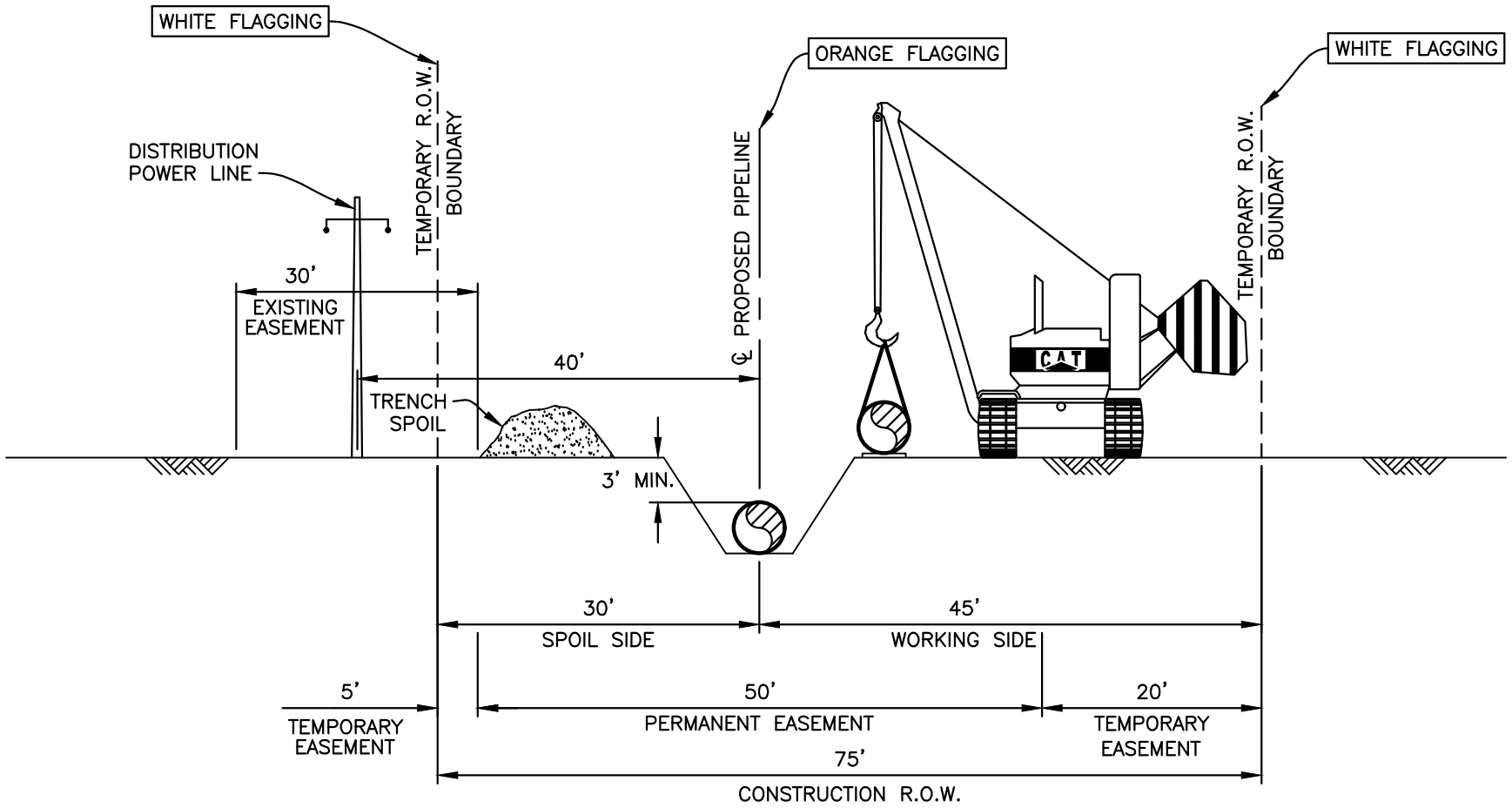
Enable Gulf Run Transmission, LLC

File No.: FIGURE 19

TYPICAL PIPELINE WETLAND – COLLOCATED TRANSMISSION POWER LINE WITH 120' EASEMENT CONSTRUCTION ROW CONFIGURATION

DRAWN BY	ISM	DATE	04/25/19
CHECKED BY	JOI	SCALE	NTS
APPROVED BY	CKF	REVISION	0

DWG. NO. FIGURE 19

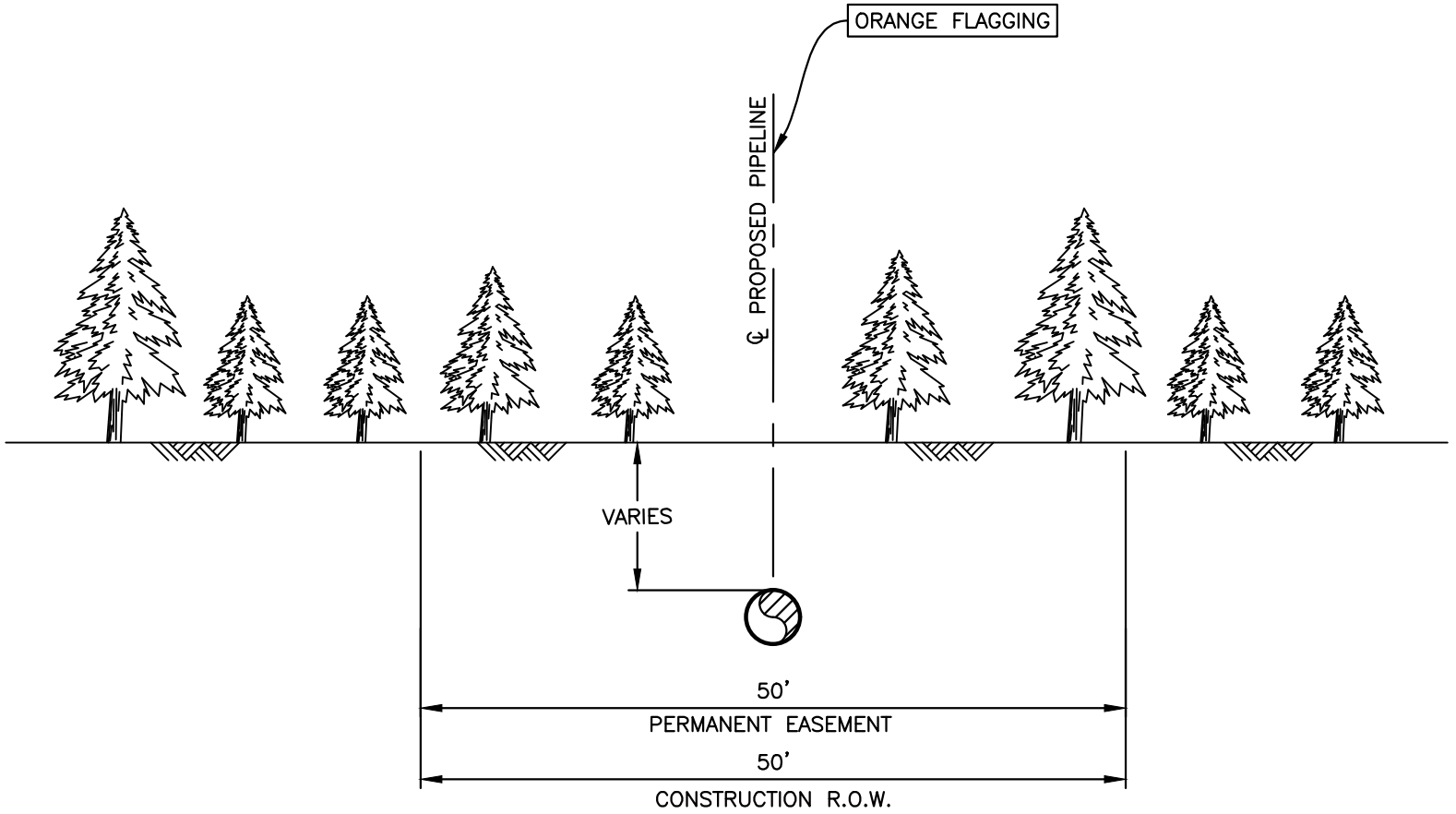


Enable Gulf Run Transmission, LLC

File No.: FIGURE 20

TYPICAL PIPELINE WETLAND – COLLOCATED DISTRIBUTION POWER LINE WITH 30' EASEMENT CONSTRUCTION ROW CONFIGURATION

DRAWN BY	ISM	DATE	04/25/19	DWG. NO. FIGURE 20
CHECKED BY	JOI	SCALE	NTS	
APPROVED BY	CKF	REVISION	0	



Enable Gulf Run Transmission, LLC

File No.: FIGURE 21

TYPICAL PIPELINE
HORIZONTAL DIRECTIONAL DRILL
CONSTRUCTION ROW CONFIGURATION

DRAWN BY	ISM	DATE	04/25/19	DWG. NO. FIGURE 21
CHECKED BY	JOI	SCALE	NTS	
APPROVED BY	CKF	REVISION	0	