

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF SAFETY AND ENVIRONMENTAL ENFORCEMENT
SUBMITTAL REPORT

Created on
10-DEC-2025
10:09:10

Submittal Overview

Operator: Williams Field Services - Gulf Coast Company LLC (02385)
Business Process: Pipeline Permits and Reports
Submittal Type: ROW Modification
Project Name:
Submittal Coordinator:
Submittal Status: Submitted
Submittal ID: 567927754
Status Date: 10-DEC-2025
Submittal Description: Modification to PSN 12417
Remarks: Please assign this application to Jason Caraher. He is handling this project and is waiting for this submittal.

Williams respectfully requests approval to decommission and remove portions of the 12.75-inch pipeline (PSN 12417), relinquish the corresponding portion of ROW No. OCS-G21486 occupied by the decommissioned pipeline, modify PSN 12417 by installing a mechanical end connector and a fabricated spool (56 feet; 0.01 statute miles) to connect PSN 12417 to PSN 10097, update the product description from GASH to sweet natural gas, and reduce MAOP from 2,160 psig to 1,440 psig.

Metadata

Segment Number(s): 12417
ROW Number: G21486
Regulatory Authority: DOT
Departing Area-Block: VK 251
Terminating Area/Block: MO 868
Departing
Facility/Well/PPL: A
Terminating
Facility/Well/PPL: F/S Line
ROW Permittee Name: Williams Field Services - Gulf Coast Company LLC
ROW Permittee Code: 02385

Submittal Statuses

Status	Creator	Effective Date	Modifier	Last Modified
Submitted	O-THORNTOC	10-DEC-2025 10:09:10		
Remark				
Status	Creator	Effective Date	Modifier	Last Modified
Draft	O-THORNTOC	09-DEC-2025 06:38:09	O-THORNTOC	10-DEC-2025 10:09:10
Remark				

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Variances

Title:	250.1010(h) - The Regional Supervisor waives the requirement to removal all domes over valves, pipes, taps, and valves along the right-of-way	Type:	OTHER	Operation Type:	Other
Expiration Date:			Status: Pending		
Authority:	30 CFR 250.1010(h)				
Regulation Text	(h) Upon relinquishment, forfeiture, or cancellation of a right-of-way grant, the right-of-way holder shall remove all platforms, structures, domes over valves, pipes, taps, and valves along the right-of-way. All of these improvements shall be removed by the holder within 1 year of the effective date of the relinquishment, forfeiture, or cancellation unless this requirement is waived in writing by the Regional Supervisor. All such improvements not removed within the time provided herein shall become the property of the United States but that shall not relieve the holder of liability for the cost of their removal or for restoration of the site. Furthermore, the holder is responsible for accidents or damages which might occur as a result of failure to timely remove improvements and equipment and restore a site. An application for relinquishment of a right-of-way grant shall be filed in accordance with §250.1019 of this part.				
Justification:	Pulling up a pipeline in the Gulf would disturb much of the sea bed. Leaving the pipeline in place would provide lower environmental impacts, lower cost, lower safety risks plus it will expand the amount of projects we are able to get done each year.				

Contacts

Thornton, Cathy	Phone:	(713)215-4235 - Office	Email:	cathy.thornton@williams.com
Contact Type:	Operator/Signing Contact 1			
Address:	2800 Poss Oak Blvd			
	P.O. Box 1396			
	Houston, TX 77056			

Verbal Authorization

NO VERBAL AUTHORIZATIONS

Payments

	Assign ID	Pay Date	Amount	TX Code	Status
1)	27TKP7FB	04-DEC-2025	4,849.00	CreditCard	Success

Checklist

	Question	Resp	Follow-up	Remark
1)	Does this application include a route modification?	Y	Please ensure the formatting of the points are in	

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accordance with NTL 2009-G15.

- | | | | | |
|-----|---|-----|---|---|
| 2) | Has the qualified signer for this company signed the application? | Y | | |
| 3) | Is this a change in approval authority? | N | | |
| 4) | Does this request propose any explosive-severance charges and/or Unusual Technology (NUT)? | N | | |
| 5) | Do any vessels associated with your proposed operations have a moon pool (even if you do not plan to use it)? | N | | |
| 6) | Do you propose to use a dynamically positioned (DP) vessel to conduct your operations? | N | | |
| 7) | Does this request propose impact/pile hammers or vibratory pile driving for installation of subsea components? | N/A | | |
| 8) | Is any subsea infrastructure proposed to be decommissioned in place other than a facility or pipeline, specify type? | N | | |
| 9) | If other equipment as described in 83 FR 67343 is present, will the other equipment be abandoned in-place or will the equipment remain in service with another pipeline after the proposed pipeline segment is removed or abandoned in-place? | N/A | | |
| 10) | Will the proposed activity or any vessels supporting your proposed activities, including pipelay, supply, and crew vessels, require crossing or entering the 2020 Rice's Whale Area as described in Attachment 4 of the 2025 NMFS BiOp? | N | Please provide a vicinity map, to support your application under 30CFR§250.1751(a) or §250.1752(a), to include all associated support bases proposed for your operations. | See attached Vicinity Plat |
| 11) | Is there any additional information associated with your proposed operations that can assist BOEM in the review of your application as it related to the protection of ESA-listed species and their critical habitat? | N | | |
| 12) | Is this a pipeline activity that proposes the use of survey equipment that emits a sound source less than 180 kHz? | Y | Describe the type of equipment include the frequency of the sound source. | A low-frequency sound source may occur due to propeller action, propulsion machinery, and hydraulic flow over the vessel hull. However, this will be temporary and limited to decommissioning operations. To assist divers in locating the pipeline and conducting surveys to confirm the revised system configuration after decommissioning, a Mesotech sonar system operating at 675 kHz will be utilized. The Mesotech is expected to be used only at the start and end of activities at each site, for a few hours each time. |
| 13) | Does this request include any new pipelines expected to make landfall? | N | | |

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Requests for Information

NO RFIS

Associated Submittals

NO Associated Submittals



**WILLIAMS FIELD SERVICES –
GULF COAST COMPANY, LLC**

2800 Post Oak Boulevard – Level 7
Houston, TX 77056
P.O. Box 1396
Houston, TX 77251-1396

December 10, 2025

Alabama Department of Environmental Management
1615 South Broad Street
Mobile, AL 36605
Phone: (251) 304-1176

Attention: Mr. J. Scott Brown
Chief, Coastal Programs

RE: Coastal Zone Management Consistency Certification for the Application for Modification to Right-of-Way OCS-G21486, Pipeline Segment No. 12417, a 12-3/4-inch Carbonate Trend Pipeline Installed From the Viosca Knoll Block 251 A Platform, Through Blocks 207, 163, 119, 75 and 31, and Mobile Blocks 999, 955, 911, and 867, and Terminates at the Mobile Block 868 Federal/State Boundary, Offshore, Alabama

Dear Mr. Brown;

By letter dated December 10, 2025, Williams Field Services – Gulf Coast Company LLC (Williams) submitted the attached application to the Bureau of Safety and Environmental Enforcement (BSEE) providing for modification to Right-of-Way No. OCS-G21486 (Segment No. PSN 12417) installed from the Viosca Knoll Block 251 A platform to the Federal/State boundary in Mobile Block 868, OCS Federal Waters, Offshore Alabama.

Pursuant to the Coastal Zone Management Act (CZMA) and 15 CFR Part 930, Subpart E, **Williams certifies that the proposed activity complies with Alabama’s approved Coastal Management Program and will be conducted in a manner consistent with such program.** Based on our analysis, we certify that the proposed activity will have **no reasonably foreseeable effects on Alabama’s coastal uses or resources** for the following reasons:

1. Project Location

The pipeline project is located entirely in federal waters on the Outer Continental Shelf and does not enter Alabama’s territorial waters or coastal zone.

2. No Physical Alteration of State Waters

Page 2

No dredging, filling, anchoring, or construction activities will occur within Alabama's coastal zone or state-owned submerged lands.

3. No Onshore Facilities

The project does not involve any landfall, onshore terminals, or infrastructure within Alabama's coastal zone.

4. Environmental Impact

The project will not affect water quality, wetlands, estuarine habitats, or other coastal resources. Spill prevention and emergency response measures are in place to minimize risk.

5. Coastal Uses

The project will not interfere with navigation, fisheries, public access, or other coastal uses within Alabama's jurisdiction.

Based on these factors, Williams respectfully requests ADEM's concurrence that this activity is consistent with the Alabama Coastal Area Management Program and qualifies as having **no coastal effect** under 15 CFR 930.33.

Proposed Modifications

Our offshore project provides for the following modifications:

- 1. Decommission and remove portions of the 12.75-inch pipeline (PSN 12417)** between Viosca Knoll Block 251 and Mobile Block 868.
 - Total length to be decommissioned: 152,320 feet (28.85 statute miles).
 - Total length to be removed: 37,738 feet (7.15 statute miles), in three sections as detailed in this application.
- 2. Relinquish the corresponding portion of ROW No. OCS-G21486** occupied by the decommissioned pipeline.
 - Total length of ROW to be relinquished: 152,320 feet (28.85 statute miles).
- 3. Modify PSN 12417 by installing a mechanical end connector and a fabricated spool (56 feet; 0.01 statute miles)** to connect PSN 12417 to PSN 10097.

Page 3

- The connector will enable a subsea tie-in to the Dauphin Island Gathering Partners (DIGP) 20-inch pipeline (PSN 10097, ROW No. OCS-G14091). DIGP will submit a separate application for its modifications.
 - The remaining length of PSN 12417 in Federal waters after modification: 5,884 feet (1.11 statute miles).
4. **Update product description** from GASH to natural gas. The pipeline will transition from sour service to sweet service.
5. **Reduce MAOP** from 2,160 psig to 1,440 psig.

In support of this request, Williams hereby submits a copy of this ROW pipeline modification application to the Alabama Department of Environmental Management for Coastal Zone Management consistency review.

Should you have any questions or require additional information, please contact Cathy Thornton at (713) 705-8020 or via email Cathy.Thornton@Williams.com.

Sincerely,



Cathy Thornton
Offshore Regulatory Compliance Specialist, Sr.

:CAT



DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS, MOBILE DISTRICT
P.O. BOX 2288
MOBILE, AL 36628-0001

March 18, 2024

Special Projects Branch
Regulatory Division

SUBJECT: Department of the Army, No Permit Modification Required, SAM-2000-00105-CDJ, Williams Field Services-Gulf Coast Company, Mobile County, Alabama

Williams Field Services-Gulf Coast Company
Attention: Ms. Cathy Thornton
2800 Post Oak Boulevard
Houston, Texas 77056
Email Address: cathy.thornton@williams.com

Dear Ms. Thornton,

Reference is made to your request for modification of Department of the Army (DA) permit number SAM-2000-00105-CDJ to decommission in place pipeline segment number 12417 in Mobile Bay. This project has been assigned file number SAM-2000-00105-CDJ, which should be referred to in all future correspondence with this office. The project is located at south of Dauphin Island; near Latitude 29.745890° North and Longitude -88.158354° West; in Mobile Bay, Mobile County, Alabama.

A review of the information you submitted indicates that modification of DA permit number SAM-2000-00105-CDJ is not necessary pursuant to Special Condition D of the 2000 permit which stated "upon completion of drilling and gas production, all wells will be capped and secured in a manner acceptable to the Alabama Oil and Gas Board. All remaining structures will be removed should the District Engineer determine this requirement to be in the public interest." It has been determined that removal of the pipelines would not be in the public interest; therefore, modification of the permit to decommission in place pipeline segment number 12417 in Mobile Bay is not required. Any deviation from your submitted description could affect this determination. If the scope of work or location changes, you should contact this office for verification of this determination. Thank you for your cooperation with our permit program.

The statements contained herein do not convey any property rights or any exclusive privileges, and do not authorize any injury to property or obviate the requirements to obtain other local, State, or Federal Assent required by law for the activities discussed above.

Electronic copies of this letter are also being sent to the Alabama Department of

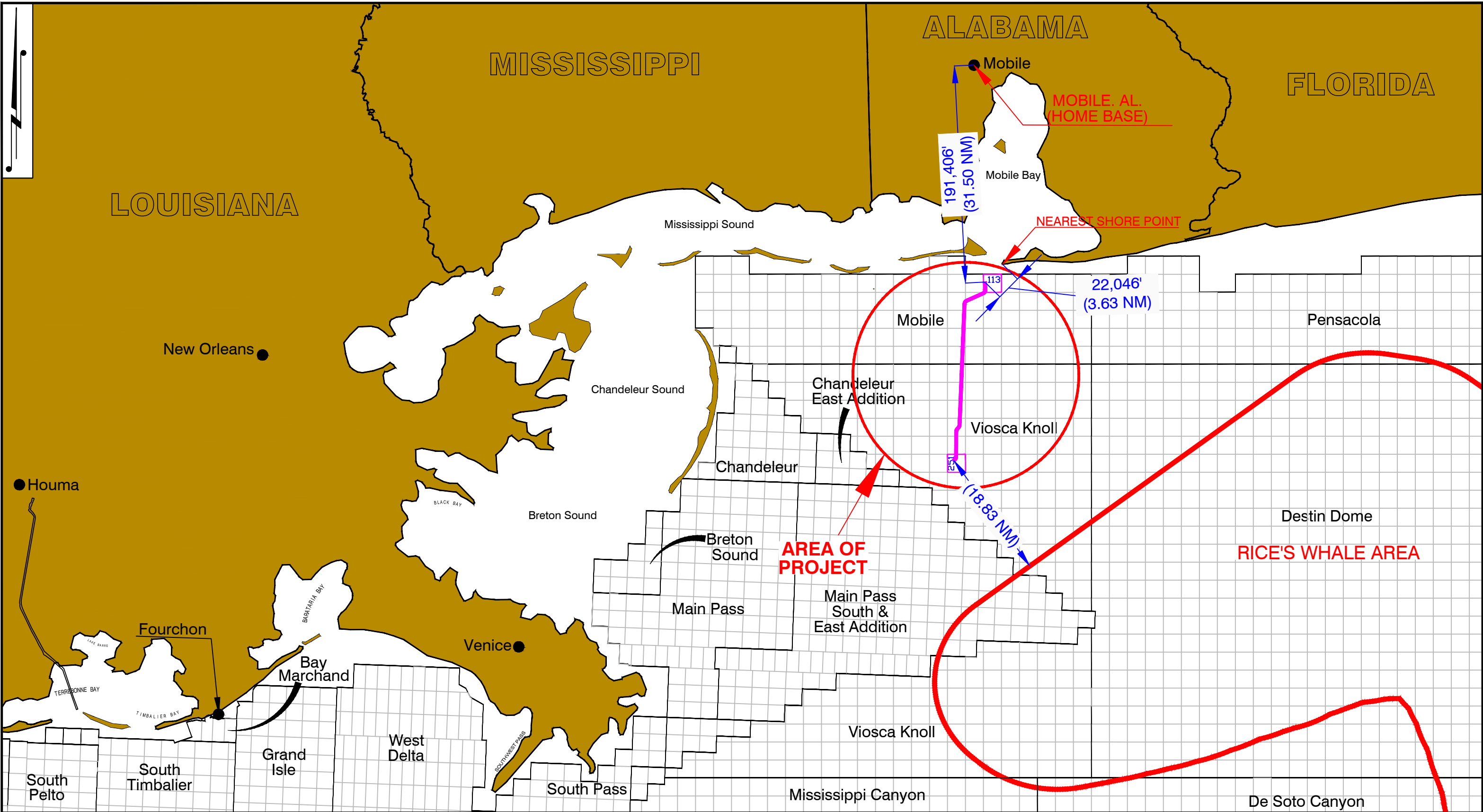
Environmental Management (ADEM), Mobile Branch / Coastal Section, Attention: Mr. Scott Brown, at coastal@adem.alabama.gov; and the Alabama Department of Conservation and Natural Resources, State Lands Division (ADCNR-SLD), Attention: Mr. Will Underwood and Mr. Jeremiah Kolb, at submerged Lands@dcnr.alabama.gov.

Please contact me at (251) 387-1073 or at william.p.davis@usace.army.mil if you have any questions. For additional information about our Regulatory Program, visit our web site at www.sam.usace.army.mil/Missions/Regulatory.aspx. Also, please take a moment to complete our customer satisfaction survey located near the bottom of the webpage. Your responses are appreciated and will allow us to improve our services.


Sincerely,

William P. Davis, P.G.
Project Manager
Special Projects Branch
Mobile District, Regulatory Division

12/1/2023 - P:\Y-2023\2023.1891DWG\WILLIAMS_PSN-12417\PROPOSED ANCHOR PLAT\PROPOSED ANCHOR PLANNING MAPS IN UTM 16N NAD27\VK251-MO113_VIC.DWG



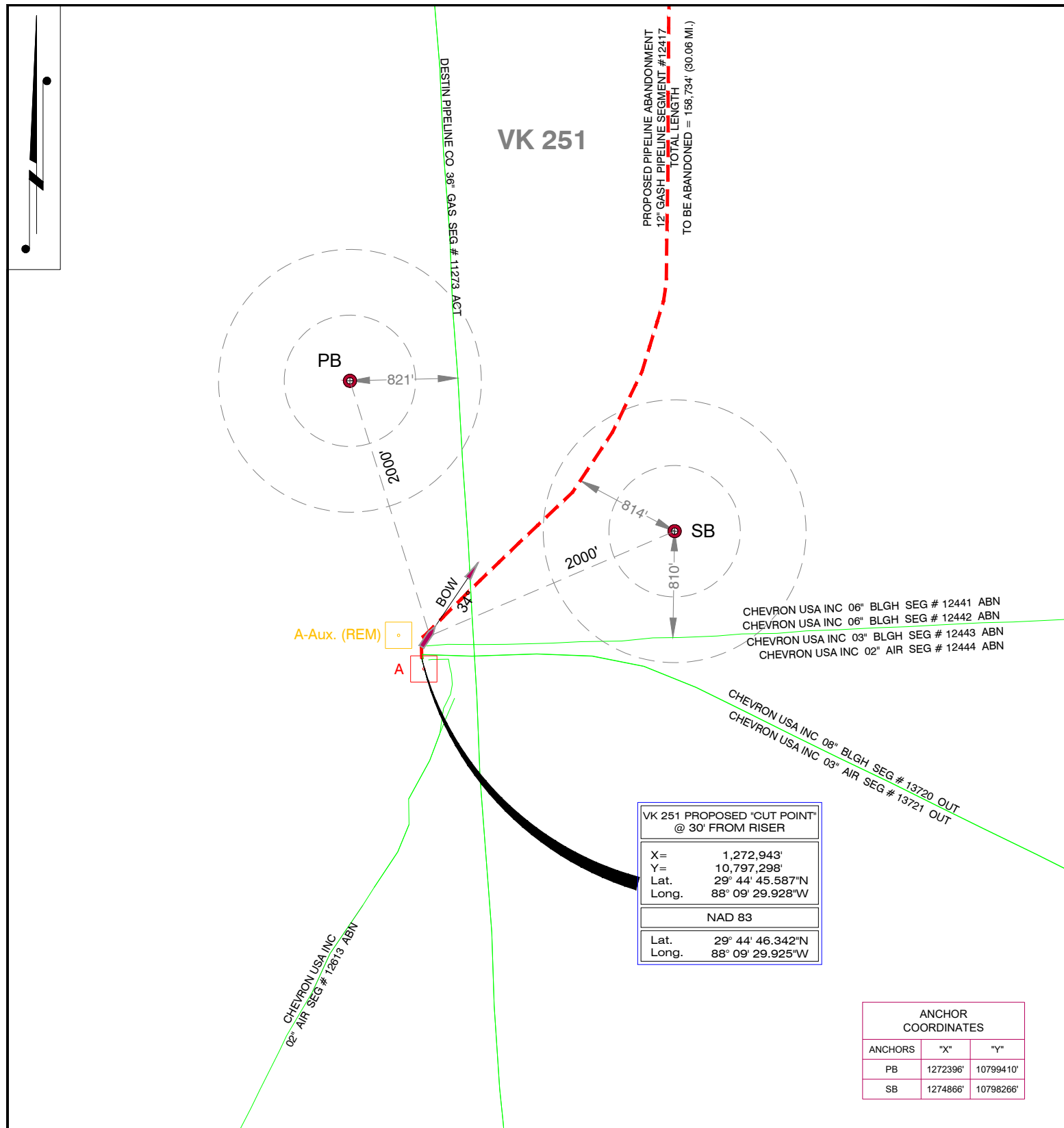
T. BAKER SMITH
SOLUTIONS START HERE
107 Global Circle, Lafayette, LA 70503
(337)735-2800 - tbsmith.com

SCALE 1" = 80,000'			
SCALE IN FEET			
			
80,000'	40,000'	0	80,000'
REV. NO: 00	REV. DATE: --/--	REV. BY: --	
REVISION DESCRIPTION: --			

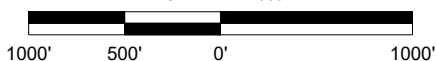
DRAWN BY: MAM	APPROVED BY: DKB
DATE: 11/30/2023	JOB NO: 2023.1891
DRAWING NAME: VK251-MO113_VIC.DWG	
PROJECTION: UTM 16N ZONE GEO. DATUM: NAD27 VERT. DATUM: NAVD88 GRID UNITS: US SURVEY FEET	
SHEET NO: 1	OF 3

VICINITY MAP

WILLIAMS COMPANIES
PROPOSED PIPELINE ABANDONMENT
12" GASH PIPELINE SEGMENT NO. 12417
VIOSCA KNOLL BLOCK 251 TO MOBILE BAY BLOCK 113
OFFSHORE ALABAMA
GULF OF MEXICO



SCALE: 1" = 1000'



NOTES:

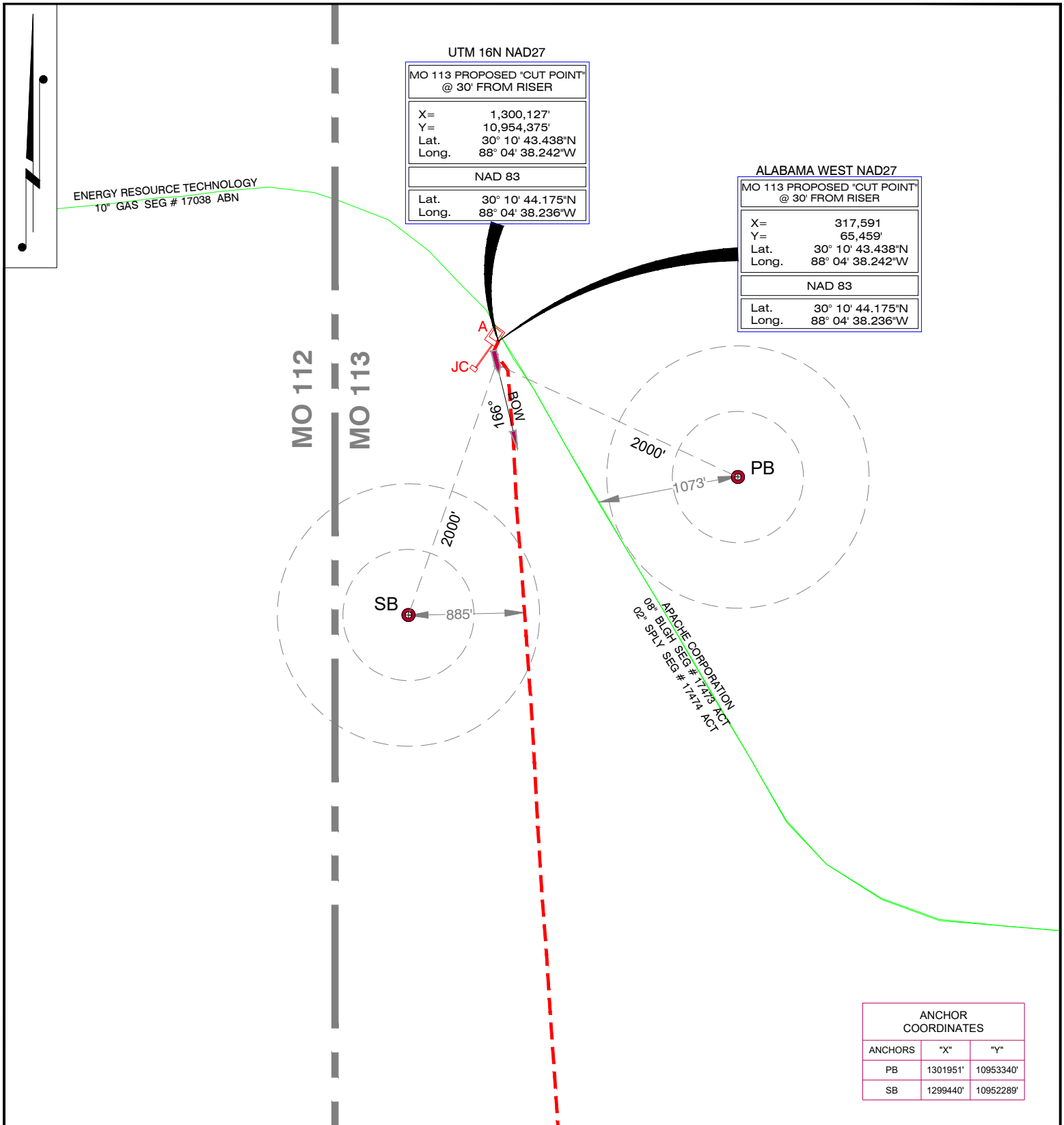
- This plat depicts proposed anchor deployment locations and vessel heading at the work site. Final anchor locations and vessel heading may be revised in the field after wind direction, wave height or other varying anchoring factors are determined.
- This plat was prepared for planning purposes only and may not depict restricted anchoring areas that are deemed biologically sensitive or other locations possibly containing archaeological resources.
- Data and coordinates contained within this map were compiled from federal, state, and third party information and should not be used for navigational, engineering, or any other purpose requiring exacting measurement of distance or direction. In no event will T. Baker Smith, LLC or associated subcontractors be held liable for any losses or damages that might occur from the use of this map. T. Baker Smith, LLC explicitly disclaims any representations and warranties as to the accuracy or completeness of this map.



ANCHOR PLANNING MAP

12" GASH PIPELINE PSN-12417
VIOSCA KNOLL BLOCK 251 "A" STRUCTURE
OFFSHORE ALABAMA
GULF OF MEXICO

Prepared For:	Williams Companies	Drafted By:	MAM
Location:	Houston, TX	Checked By:	DKB
Drawing Name:	231891 VK251-A S12417 Anchor-1	Geodetic Datum:	NAD 27
Sheet No.:	2 of 3	Projection:	UTM 16N ZONE
Date:	November 30, 2023	Grid Units:	US SURVEY FEET



SCALE: 1" = 1000'

NOTES:

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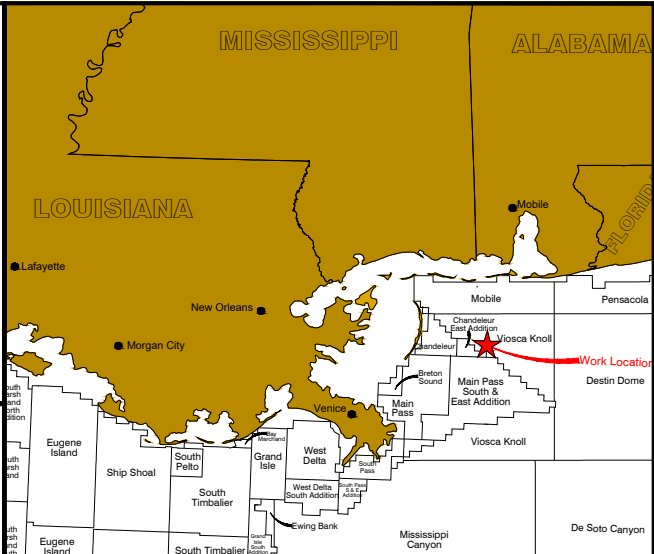
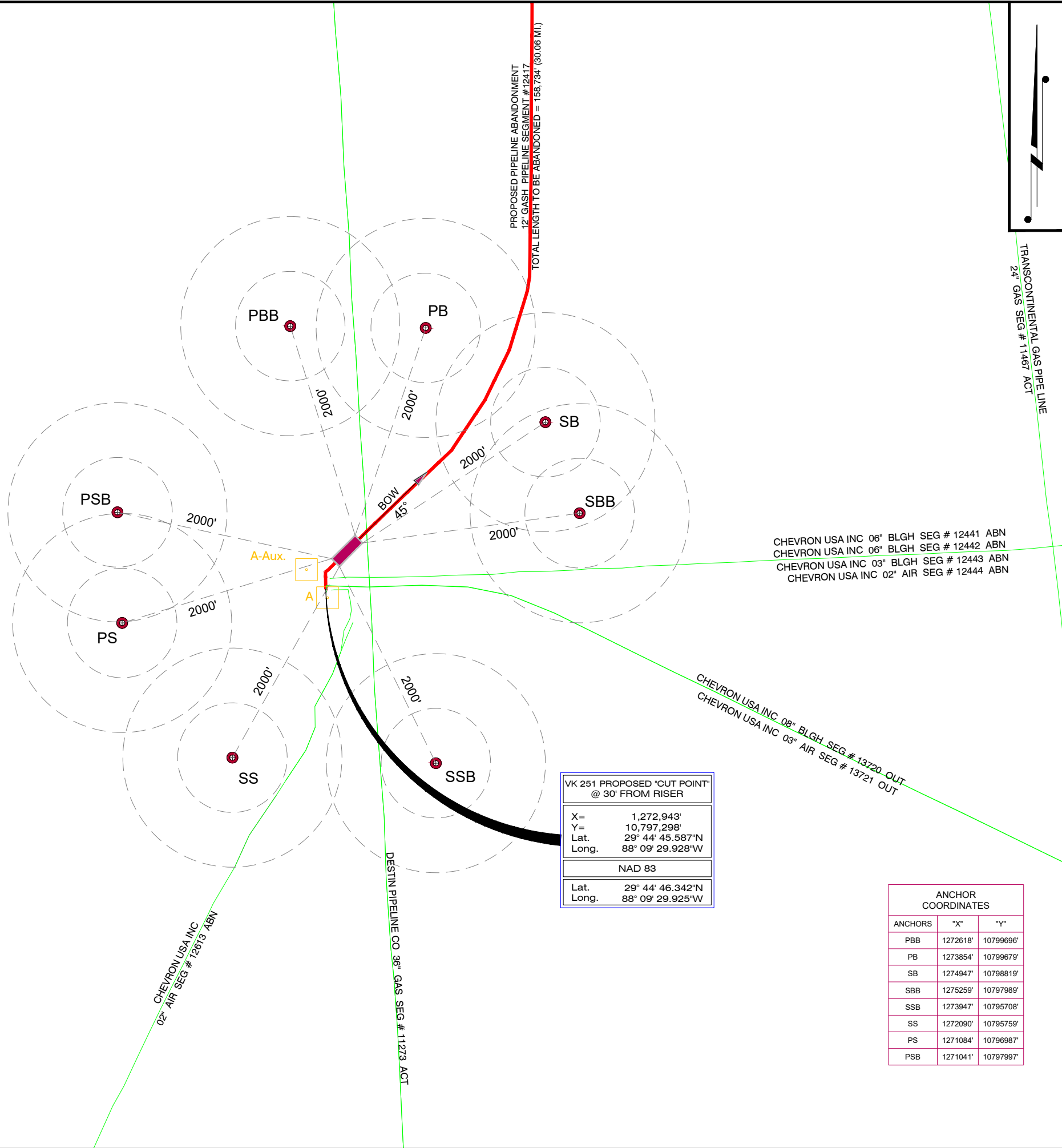
ANCHOR PLANNING MAP

12" GASH PIPELINE PSN-12417
MOBILE BAY BLOCK 113 "A" STRUCTURE
OFFSHORE ALABAMA
GULF OF MEXICO

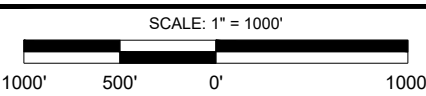
T. BAKER SMITH
SOLUTIONS START HERE
107 Global Circle, Lafayette, LA 70503
(987)735-2880 - tb@smith.com

Prepared For:	Williams Companies	Drafted By:	MAM
Location:	Houston, TX	Checked By:	DKB
Drawing Name:	231891_MO113-A_S12417_Anchor-2	Geodetic Datum:	NAD 27
Sheet No.:	3 of 3	Projection:	UTM 16N ZONE
Date:	November 30, 2023	Grid Units:	US SURVEY FEET

VK 250
VK 251



- LEGEND:
- Pipeline locations compiled from in-house and 3rd party data.
 - Proposed 24" gash pipeline abandonment in place segment no. 12417.
 - Boundary block lines.
 - Active platforms.
 - Removed platforms.
 - Well locations.
 - 500' & 1,000' radius circles around proposed anchor locations.



PROPOSED ANCHOR LOCATION PLAT

PROPOSED PIPELINE ABANDONMENT
12" GASH PIPELINE SEGMENT NO. 12417
VIOSCA KNOLL BLOCK 251 "CUT POINT" TO
MOBILE BAY BLOCK 113 "CUT POINT"
BARGE HEADING - 45°
OFFSHORE ALABAMA - GULF OF MEXICO

Prepared For:	Williams Companies	Drafted By:	MAM
Office Location:	Houston, TX	Checked By:	DKB
Drawing Name:	231891_VK251-MO113_S12417_Anchor-1	Geodetic Datum:	NAD 27
Revision No.:	0	Projection:	UTM 16N ZONE
Date:	November 29, 2023	Grid Units:	US Survey Feet

- NOTES:
1. This plat depicts proposed anchor deployment locations and vessel heading at the work site. Final anchor locations and vessel heading may be revised in the field after wind direction, wave height or other varying anchoring factors are determined.
 2. This plat was prepared for planning purposes only and may not depict restricted anchoring areas that are deemed biologically sensitive or other locations possibly containing archaeological resources.
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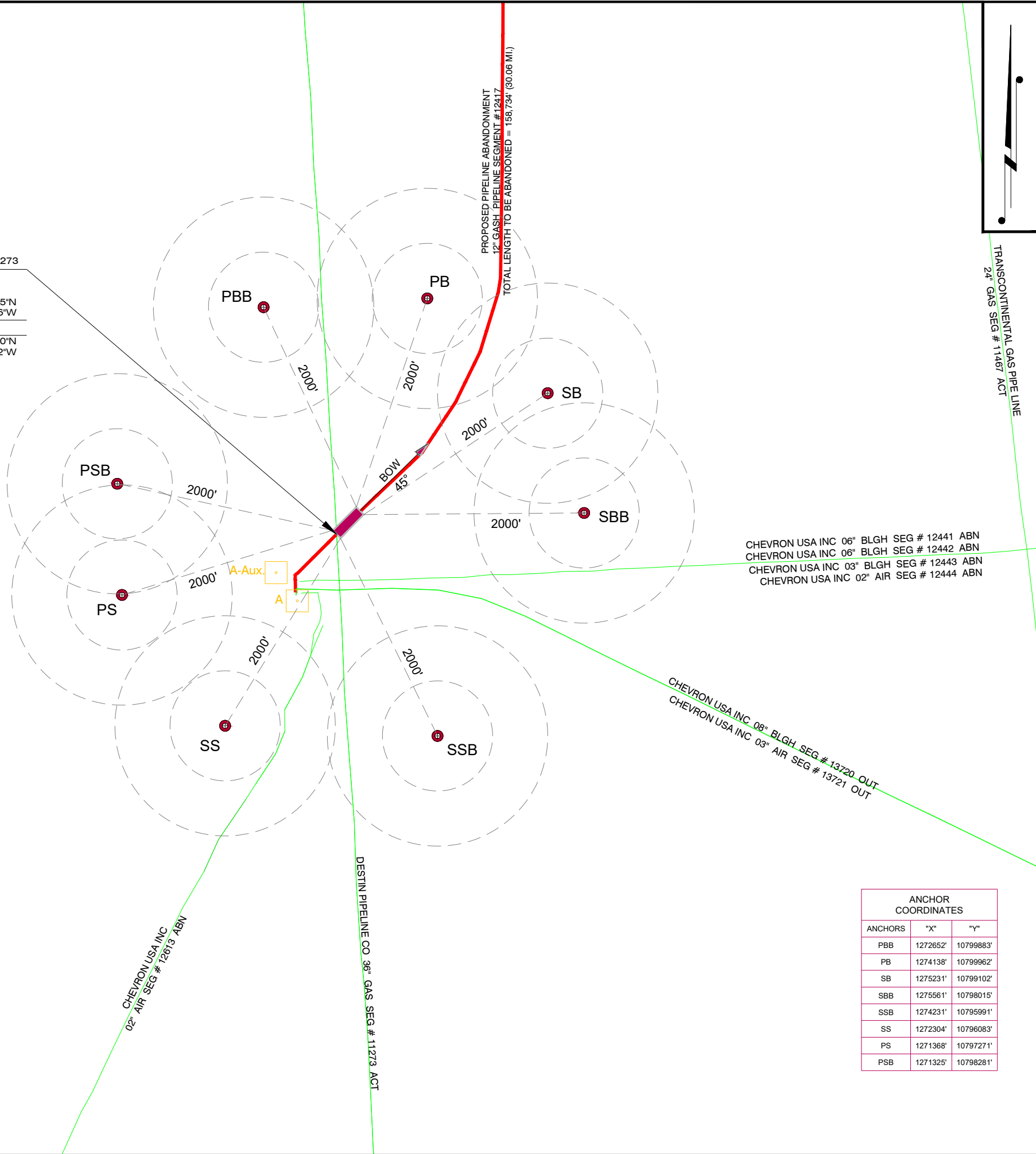


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(337)735-2800 - tbsmith.com

VK 250
VK 251

VK 251 PLXING 36" S-11273

X=	1,273,315'
Y=	10,797,822'
Lat.	29° 44' 50.815"N
Long.	88° 09' 25.766"W
NAD 83	
Lat.	29° 44' 51.570"N
Long.	88° 09' 26.762"W



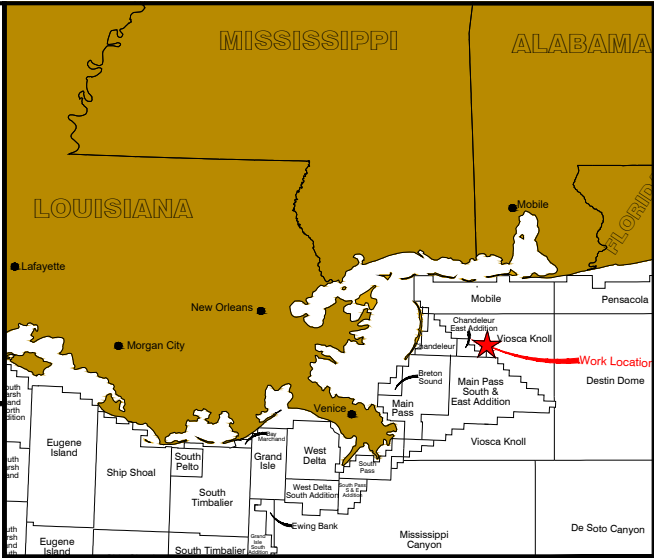
CHEVRON USA INC 06" BLGH SEG # 12441 ABN
CHEVRON USA INC 06" BLGH SEG # 12442 ABN
CHEVRON USA INC 03" BLGH SEG # 12443 ABN
CHEVRON USA INC 02" AIR SEG # 12444 ABN

CHEVRON USA INC 08" BLGH SEG # 13720 OUT
CHEVRON USA INC 03" AIR SEG # 13721 OUT

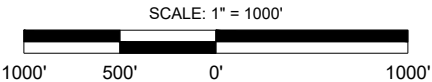
CHEVRON USA INC
02" AIR SEG # 12613 ABN

DESTIN PIPELINE CO 36" GAS SEG # 11273 ACT

TRANSCONTINENTAL GAS PIPELINE
24" GAS SEG # 11467 ACT



- LEGEND:
- Pipeline locations compiled from in-house and 3rd party data.
 - Proposed 24" gash pipeline abandonment in place segment no. 12417.
 - Boundary block lines.
 - Active platforms.
 - Removed platforms.
 - Well locations.
 - 500' & 1,000' radius circles around proposed anchor locations.



PROPOSED ANCHOR LOCATION PLAT

PROPOSED PIPELINE ABANDONMENT
12" GASH PIPELINE SEGMENT NO. 12417
VIOSCA KNOLL BLOCK 251 "CUT POINT" TO
MOBILE BAY BLOCK 113 "CUT POINT"
BARGE HEADING - 45°
OFFSHORE ALABAMA - GULF OF MEXICO

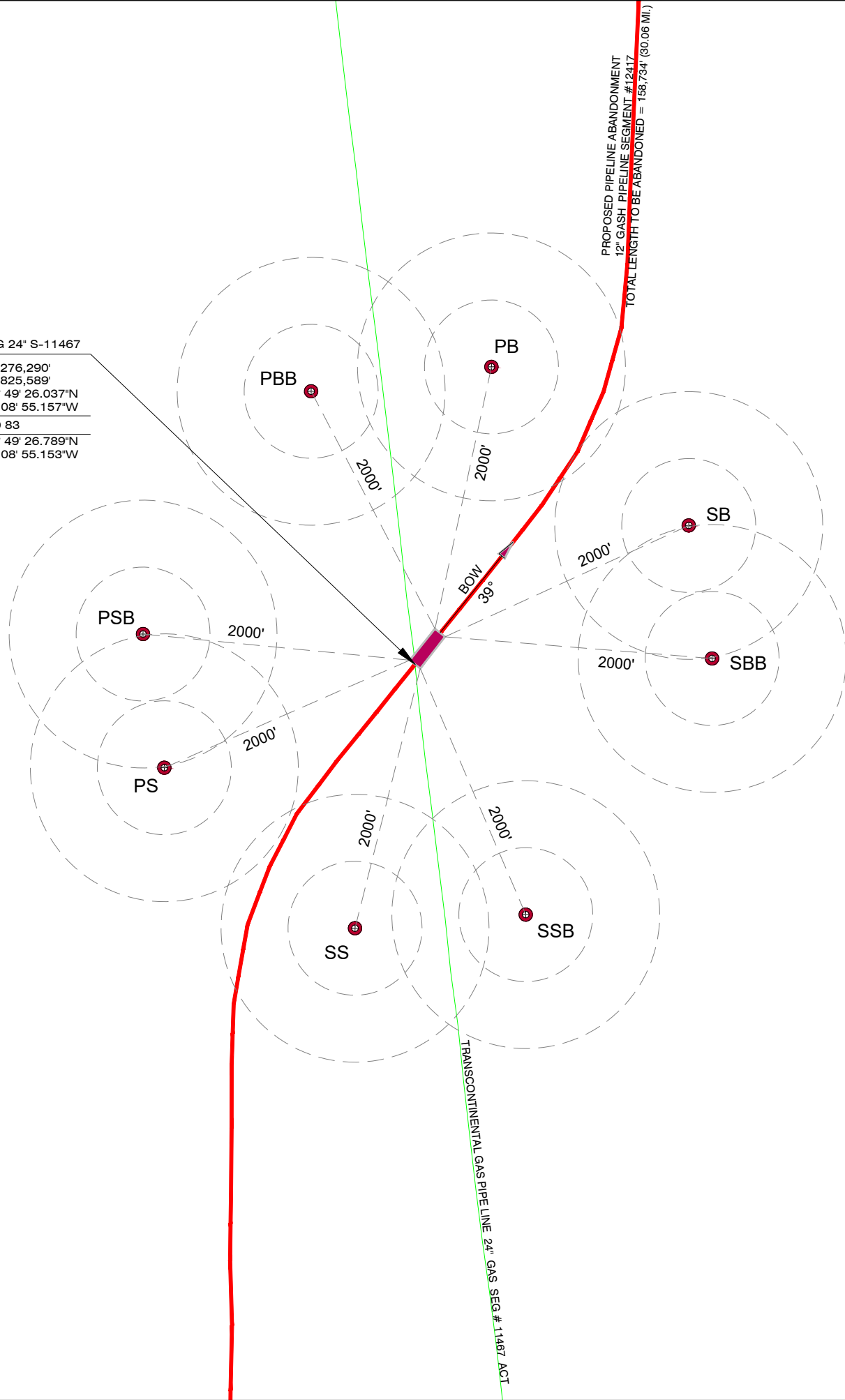
Prepared For:	Williams Companies	Drafted By:	MAM
Office Location:	Houston, TX	Checked By:	DKB
Drawing Name:	231891_VK251-MO113_S12417_Anchor-2	Geodetic Datum:	NAD 27
Revision No.:	0	Projection:	UTM 16N ZONE
Date:	November 29, 2023	Grid Units:	US Survey Feet

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DESTIN PIPELINE COMPANY LLC 36" GAS SEG # 11273 ACT

VK 163 PLXING 24" S-11467

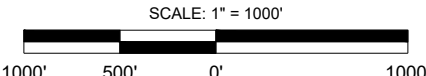
X= 1,276,290'
Y= 10,825,589'
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Long. 88° 08' 55.157"W
NAD 83
Lat. 29° 49' 26.789"N
Long. 88° 08' 55.153"W



ANCHOR COORDINATES		
ANCHORS	"X"	"Y"
PBB	1275514'	10827628'
PB	1276860'	10827810'
SB	1278333'	10826626'
SBB	1278507'	10825633'
SSB	1277116'	10823720'
SS	1275842'	10823619'
PS	1274418'	10824817'
PSB	1274260'	10825815'



- LEGEND:
- Pipeline locations compiled from in-house and 3rd party data.
 - Proposed 24" gash pipeline abandonment in place segment no. 12417.
 - Boundary block lines.
 - Active platforms.
 - Removed platforms.
 - Well locations.
 - 500' & 1,000' radius circles around proposed anchor locations.



PROPOSED ANCHOR LOCATION PLAT

PROPOSED PIPELINE ABANDONMENT
12" GASH PIPELINE SEGMENT NO. 12417
VIOSCA KNOLL BLOCK 251 "CUT POINT" TO
MOBILE BAY BLOCK 113 "CUT POINT"
BARGE HEADING - 39°
OFFSHORE ALABAMA - GULF OF MEXICO

Prepared For:	Williams Companies	Drafted By:	MAM
Office Location:	Houston, TX	Checked By:	DKB
Drawing Name:	231891_VK251-MO113_S12417_Anchor-3	Geodetic Datum:	NAD 27
Revision No.:	0	Projection:	UTM 16N ZONE
Date:	November 29, 2023	Grid Units:	US Survey Feet

- NOTES:
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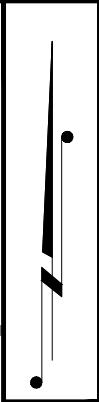
VK 75 PLXING 6" S-10383

X=	1,279,251'
Y=	10,862,700'
Lat.	29° 55' 33.761"N
Long.	88° 08' 25.712"W
NAD 83	
Lat.	29° 55' 34.509"N
Long.	88° 08' 25.707"W

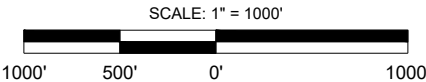
PROPOSED PIPELINE ABANDONMENT
12" GASH PIPELINE SEGMENT #12417
TOTAL LENGTH TO BE ABANDONED = 158,734' (30.06 MI.)

VK 31
VK 75

VK 32
VK 76



- LEGEND:
- Pipeline locations compiled from in-house and 3rd party data.
 - Proposed 24" gash pipeline abandonment in place segment no. 12417.
 - Boundary block lines.
 - Active platforms.
 - Removed platforms.
 - Well locations.
 - 500' & 1,000' radius circles around proposed anchor locations.



PROPOSED ANCHOR LOCATION PLAT

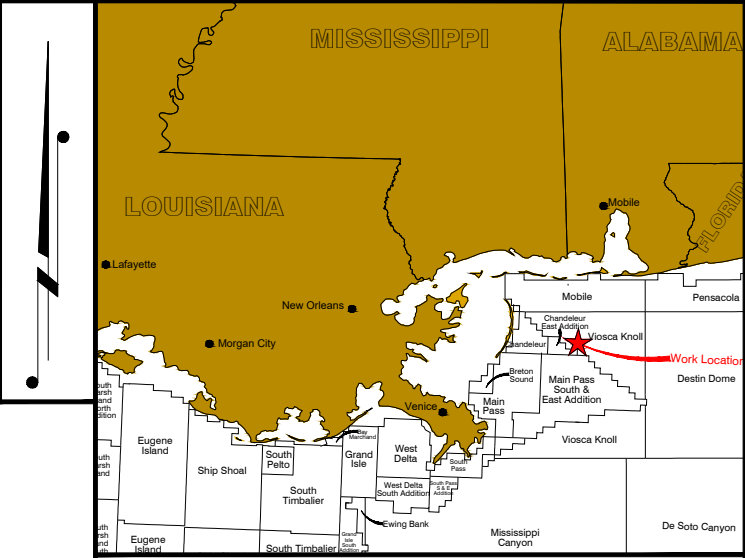
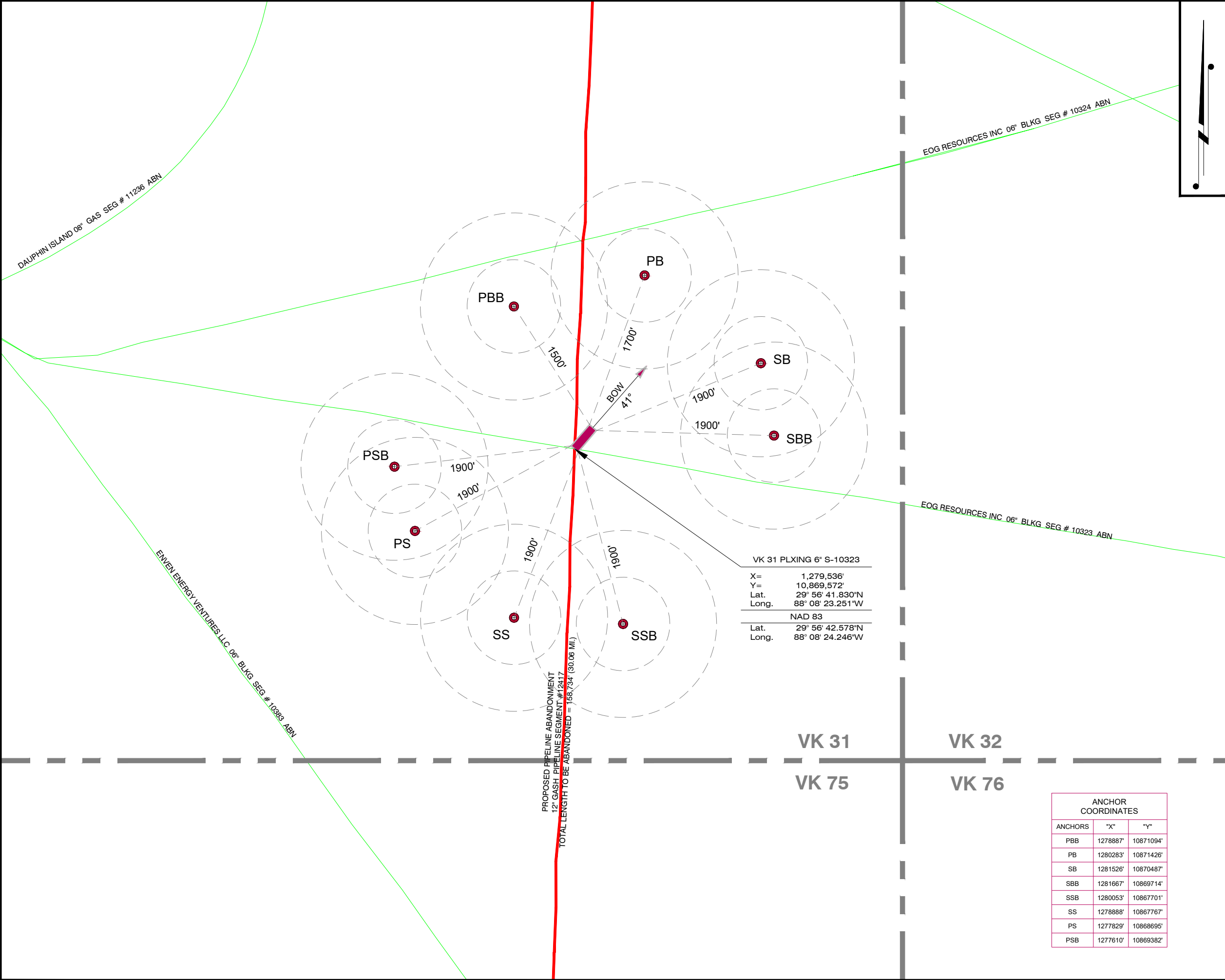
PROPOSED PIPELINE ABANDONMENT
12" GASH PIPELINE SEGMENT NO. 12417
VIOSCA KNOLL BLOCK 251 "CUT POINT" TO
MOBILE BAY BLOCK 113 "CUT POINT"
BARGE HEADING - 07°
OFFSHORE ALABAMA - GULF OF MEXICO

Prepared For:	Williams Companies	Drafted By:	MAM
Office Location:	Houston, TX	Checked By:	DKB
Drawing Name:	231891_VK251-MO113_S12417_Anchor-6	Geodetic Datum:	NAD 27
Revision No.:	0	Projection:	UTM 16N ZONE
Date:	November 29, 2023	Grid Units:	US Survey Feet

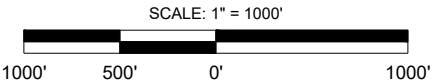
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ANCHOR COORDINATES		
ANCHORS	"X"	"Y"
PBB	1277520'	10864028'
PB	1278570'	10864889'
SB	1280445'	10864655'
SBB	1281115'	10863901'
SSB	1280936'	10861543'
SS	1279905'	10860787'
PS	1278064'	10861060'
PSB	1277405'	10861826'



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 - Boundary block lines.
 - Active platforms.
 - Removed platforms.
 - Well locations.
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PROPOSED ANCHOR LOCATION PLAT

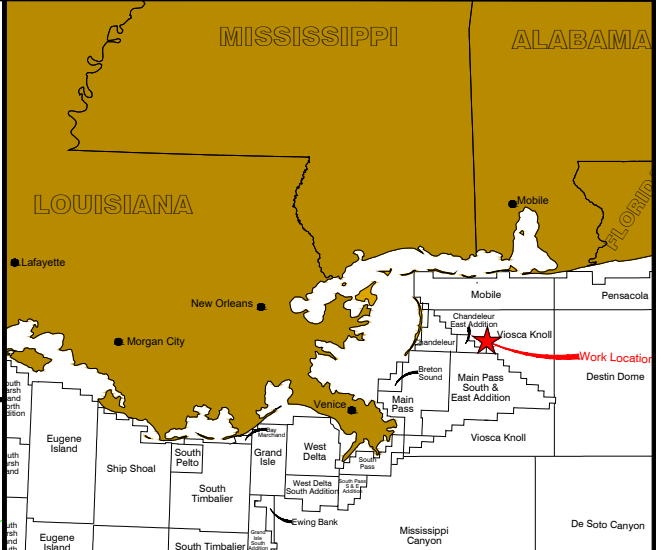
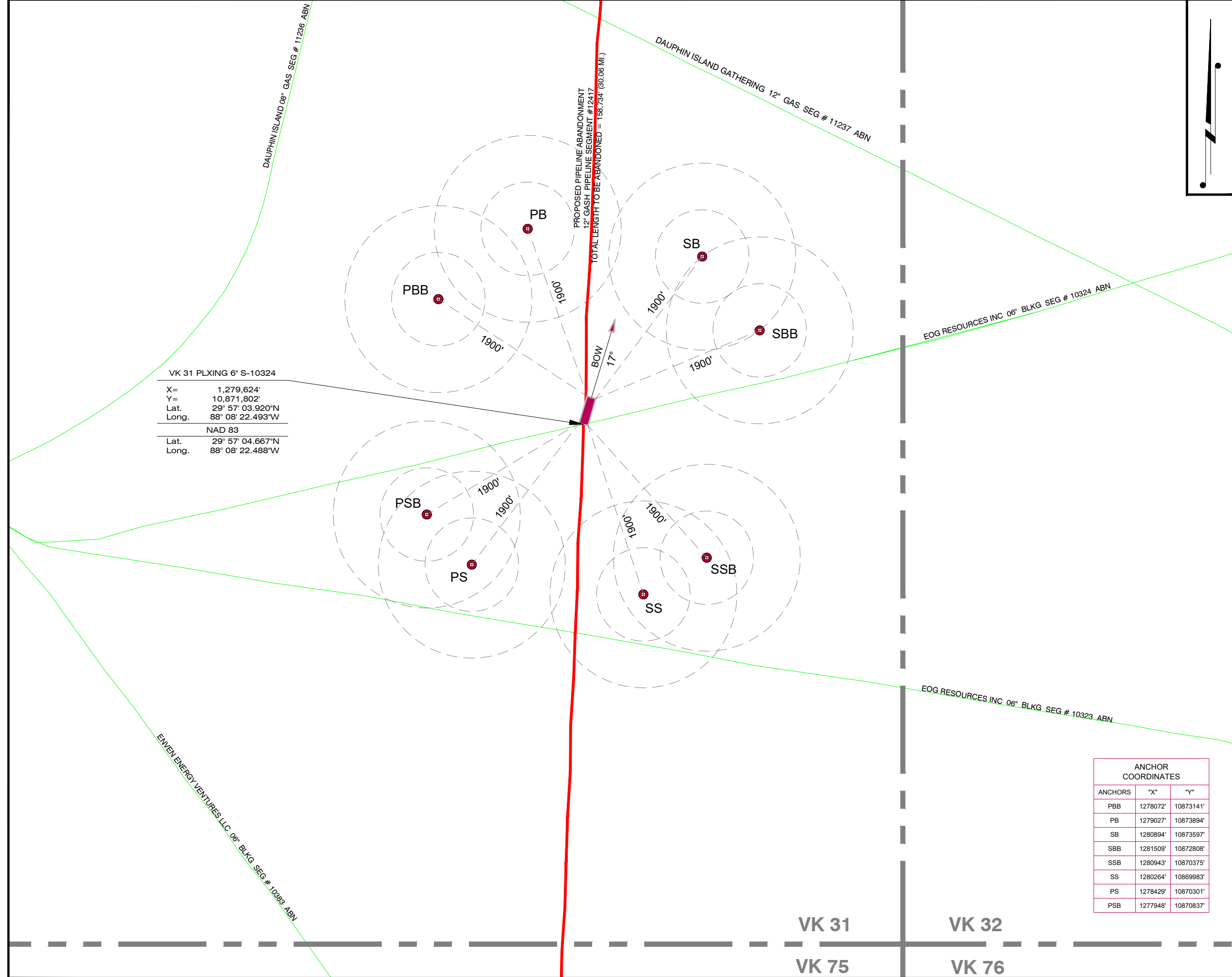
PROPOSED PIPELINE ABANDONMENT
12" GASH PIPELINE SEGMENT NO. 12417
VIOSCA KNOLL BLOCK 251 "CUT POINT" TO
MOBILE BAY BLOCK 113 "CUT POINT"
BARGE HEADING - 41°
OFFSHORE ALABAMA - GULF OF MEXICO

Prepared For:	Williams Companies	Drafted By:	MAM
Office Location:	Houston, TX	Checked By:	DKB
Drawing Name:	231891_VK251-MO113_S12417_Anchor-S	Geodetic Datum:	NAD 27
Revision No.:	0	Projection:	UTM 16N ZONE
Date:	November 29, 2023	Grid Units:	US Survey Feet

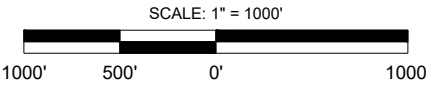
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ANCHOR COORDINATES		
ANCHORS	"X"	"Y"
PBB	1278887'	10871094'
PB	1280283'	10871426'
SB	1281526'	10870487'
SBB	1281667'	10869714'
SSB	1280053'	10867701'
SS	1278888'	10867767'
PS	1277829'	10868695'
PSB	1277610'	10869382'



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 - Well locations.
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PROPOSED ANCHOR LOCATION PLAT

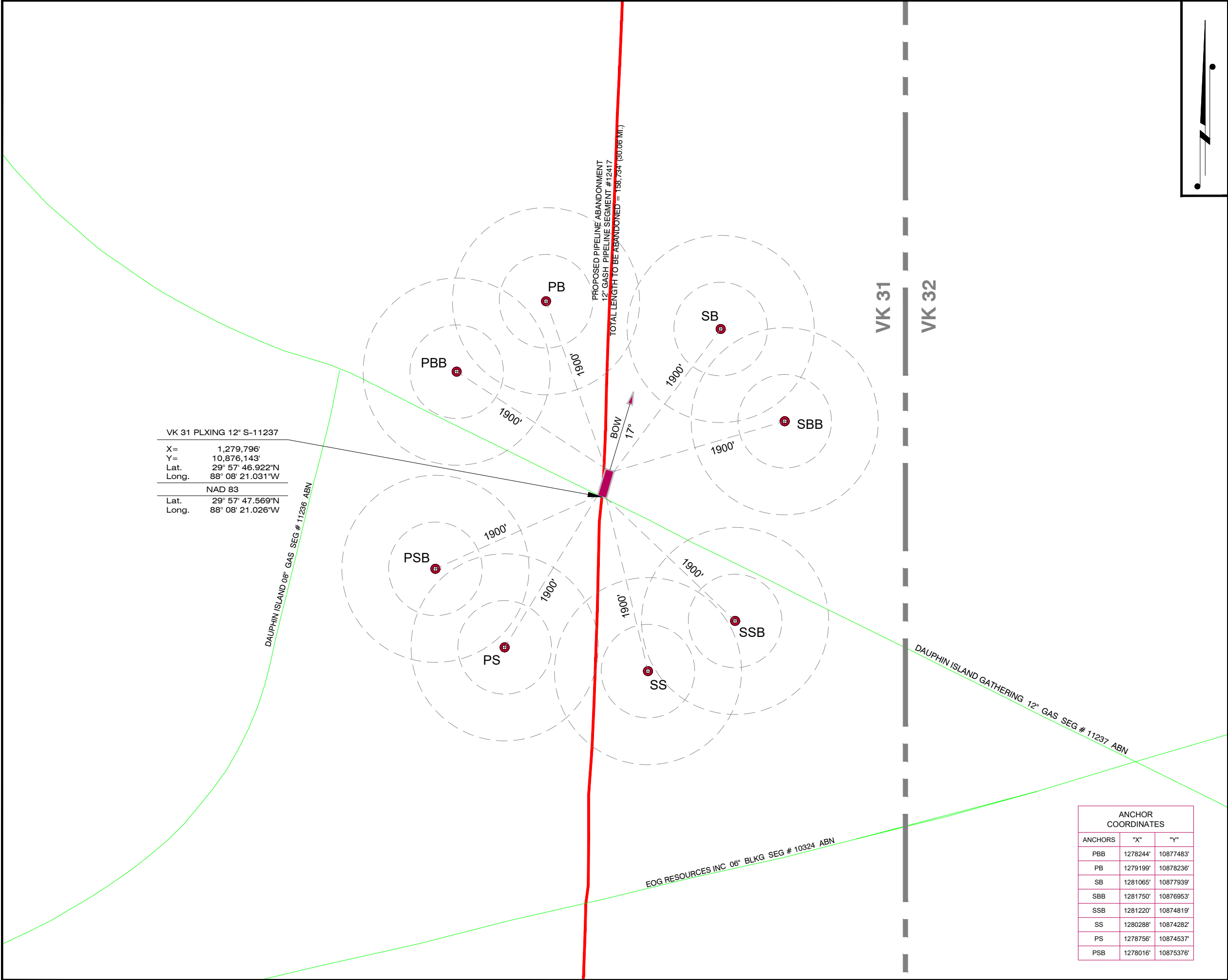
PROPOSED PIPELINE ABANDONMENT
12" GASH PIPELINE SEGMENT NO. 12417
VIOSCA KNOLL BLOCK 251 "CUT POINT" TO
MOBILE BAY BLOCK 113 "CUT POINT"
BARGE HEADING - 17°
OFFSHORE ALABAMA - GULF OF MEXICO

Prepared For:	Williams Companies	Drafted By:	MAM
Office Location:	Houston, TX	Checked By:	DKB
Drawing Name:	231891_VK251-MO113_S12417_Anchor-6	Geodetic Datum:	NAD 27
Revision No.:	0	Projection:	UTM 16N ZONE
Date:	November 29, 2023	Grid Units:	US Survey Feet

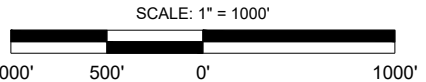
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 - Active platforms.
 - Removed platforms.
 - Well locations.
 - 500' & 1,000' radius circles around proposed anchor locations.



PROPOSED ANCHOR LOCATION PLAT

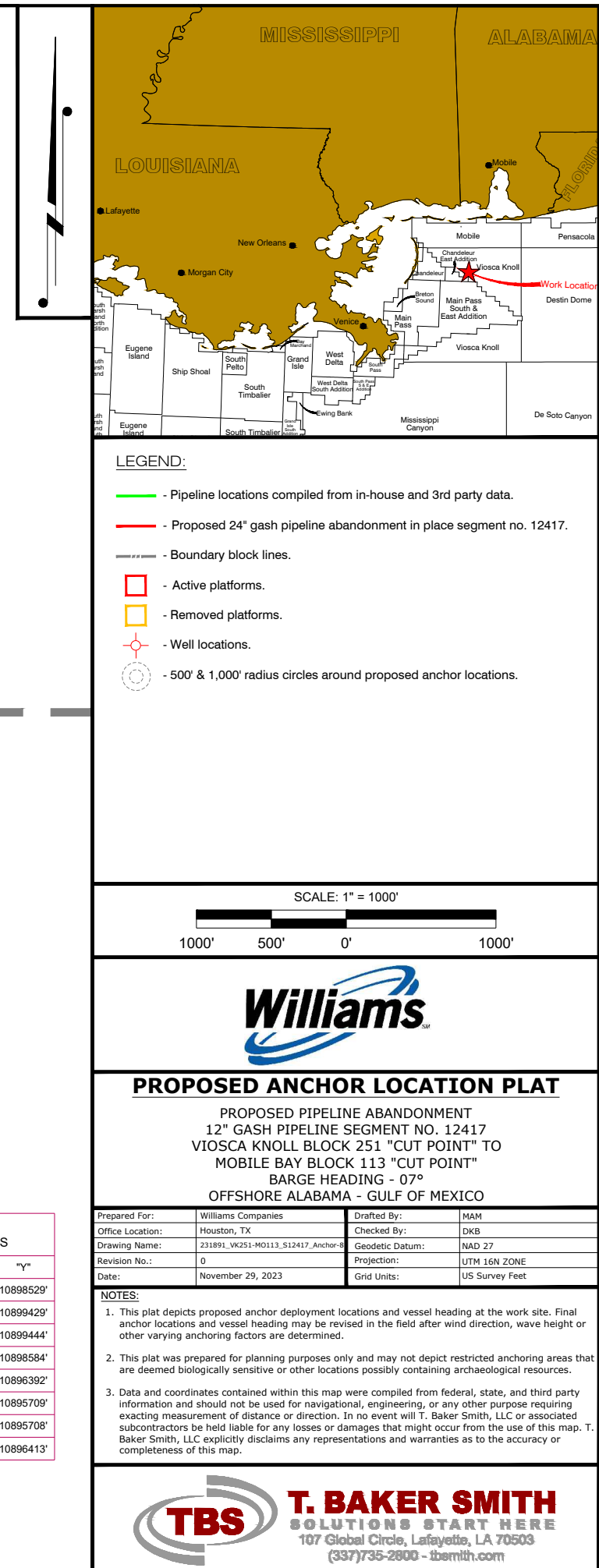
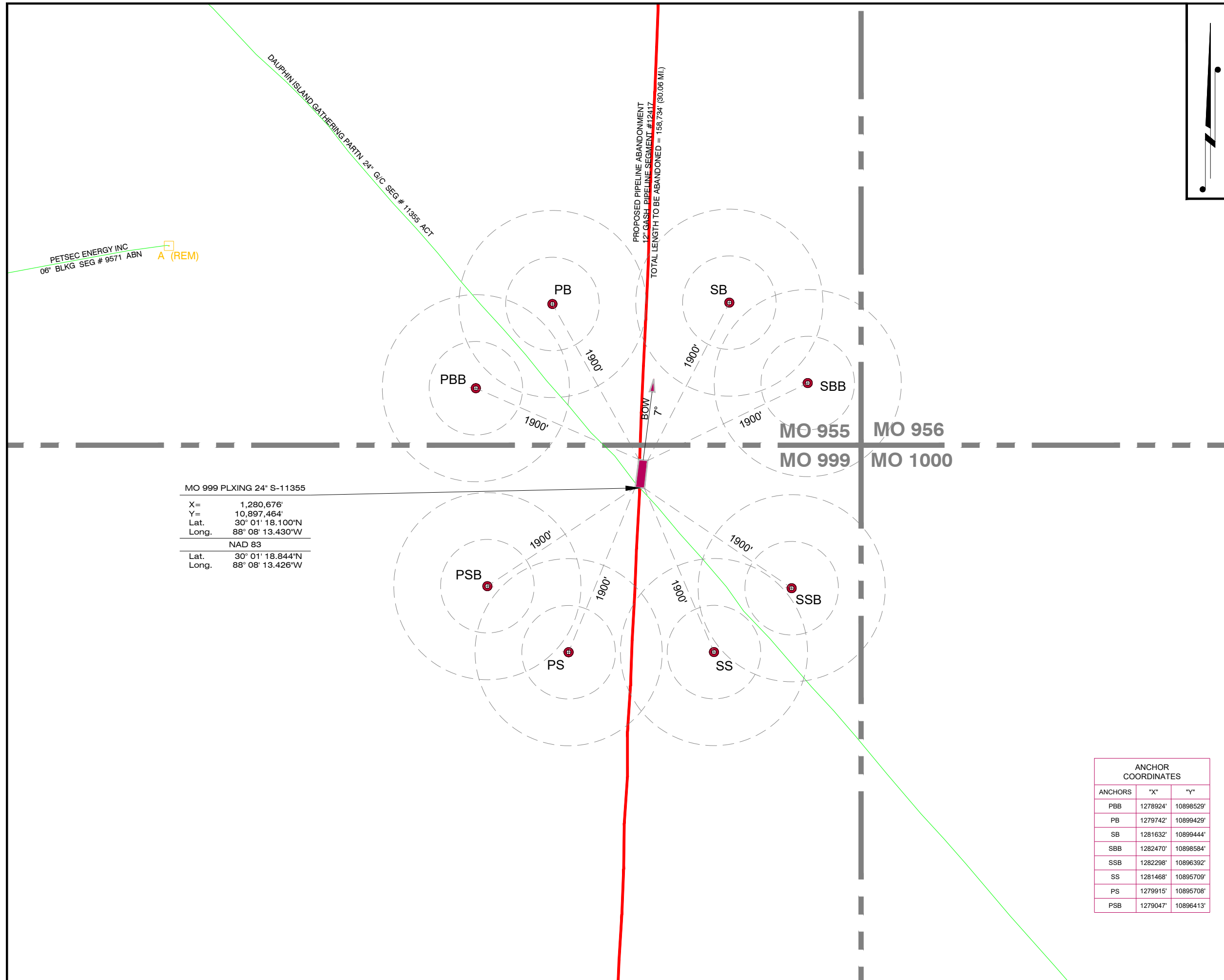
PROPOSED PIPELINE ABANDONMENT
12" GASH PIPELINE SEGMENT NO. 12417
VIOSCA KNOLL BLOCK 251 "CUT POINT" TO
MOBILE BAY BLOCK 113 "CUT POINT"
BARGE HEADING - 17°
OFFSHORE ALABAMA - GULF OF MEXICO

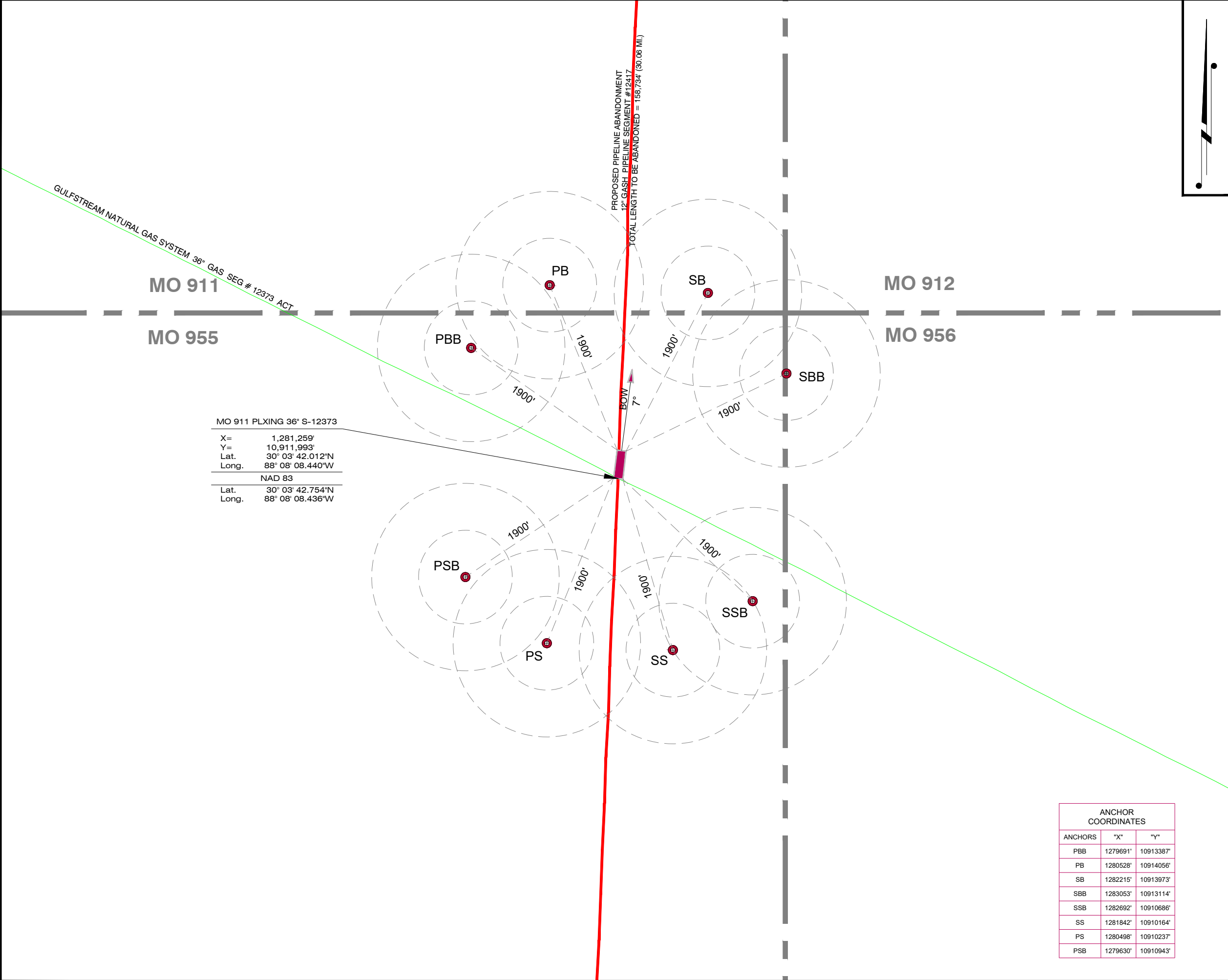
Prepared For:	Williams Companies	Drafted By:	MAM
Office Location:	Houston, TX	Checked By:	DKB
Drawing Name:	231891_VK251-MO113_S12417_Anchor-7	Geodetic Datum:	NAD 27
Revision No.:	0	Projection:	UTM 16N ZONE
Date:	November 29, 2023	Grid Units:	US Survey Feet

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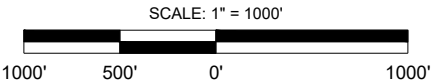
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X=	1,281,259'
Y=	10,911,993'
Lat.	30° 03' 42.012"N
Long.	88° 08' 08.440"W
NAD 83	
Lat.	30° 03' 42.754"N
Long.	88° 08' 08.436"W

ANCHOR COORDINATES		
ANCHORS	"X"	"Y"
PBB	1279691'	10913387'
PB	1280528'	10914056'
SB	1282215'	10913973'
SBB	1283053'	10913114'
SSB	1282692'	10910686'
SS	1281842'	10910164'
PS	1280498'	10910237'
PSB	1279630'	10910943'



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 - Boundary block lines.
 - Active platforms.
 - Removed platforms.
 - Well locations.
 - 500' & 1,000' radius circles around proposed anchor locations.



PROPOSED ANCHOR LOCATION PLAT

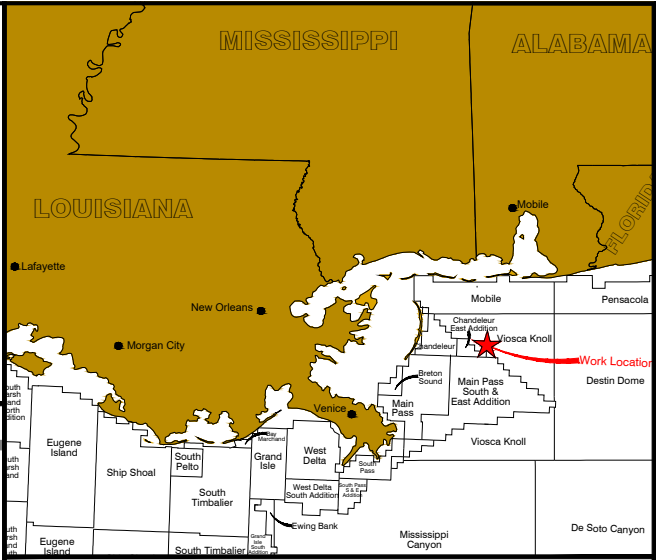
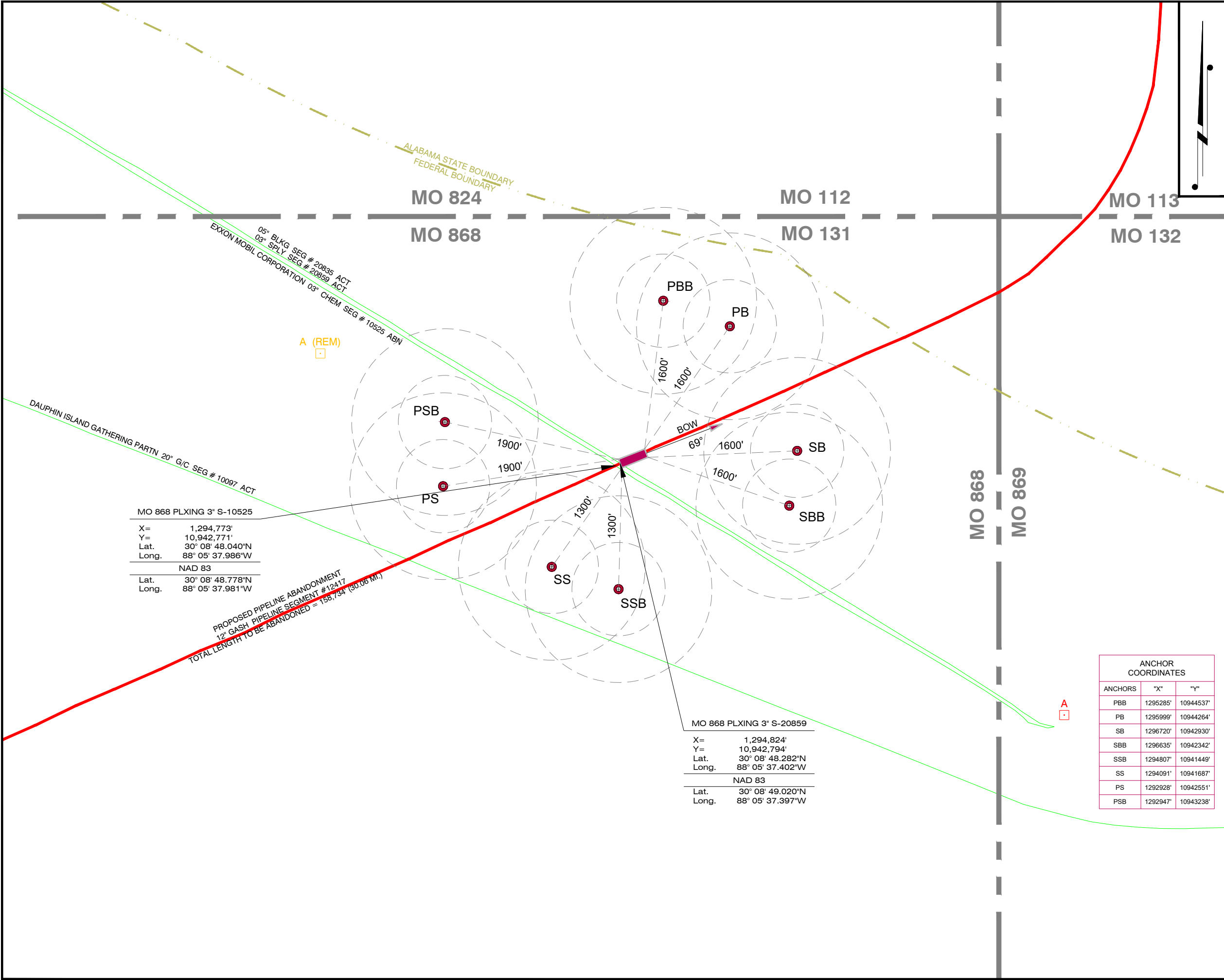
PROPOSED PIPELINE ABANDONMENT
12" GASH PIPELINE SEGMENT NO. 12417
VIOSCA KNOLL BLOCK 251 "CUT POINT" TO
MOBILE BAY BLOCK 113 "CUT POINT"
BARGE HEADING - 07°
OFFSHORE ALABAMA - GULF OF MEXICO

Prepared For:	Williams Companies	Drafted By:	MAM
Office Location:	Houston, TX	Checked By:	DKB
Drawing Name:	231891_VK251-MO113_S12417_Anchor-9	Geodetic Datum:	NAD 27
Revision No.:	0	Projection:	UTM 16N ZONE
Date:	November 29, 2023	Grid Units:	US Survey Feet

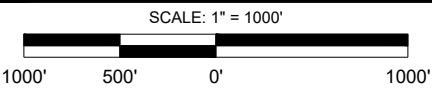
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 - Boundary block lines.
 - Active platforms.
 - Removed platforms.
 - Well locations.
 - 500' & 1,000' radius circles around proposed anchor locations.

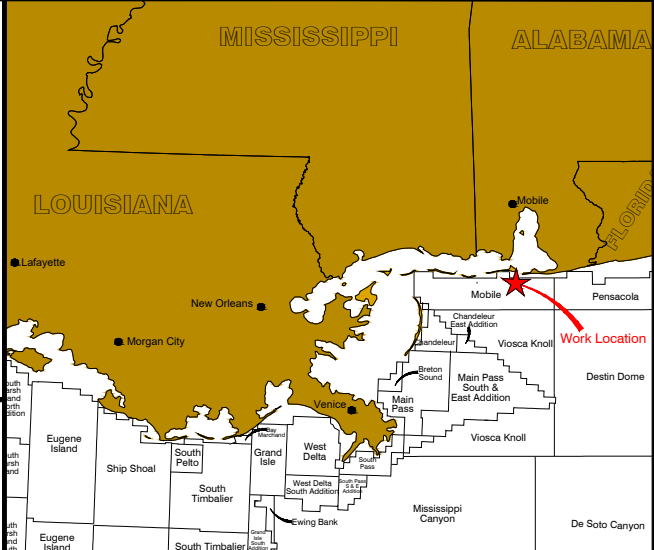
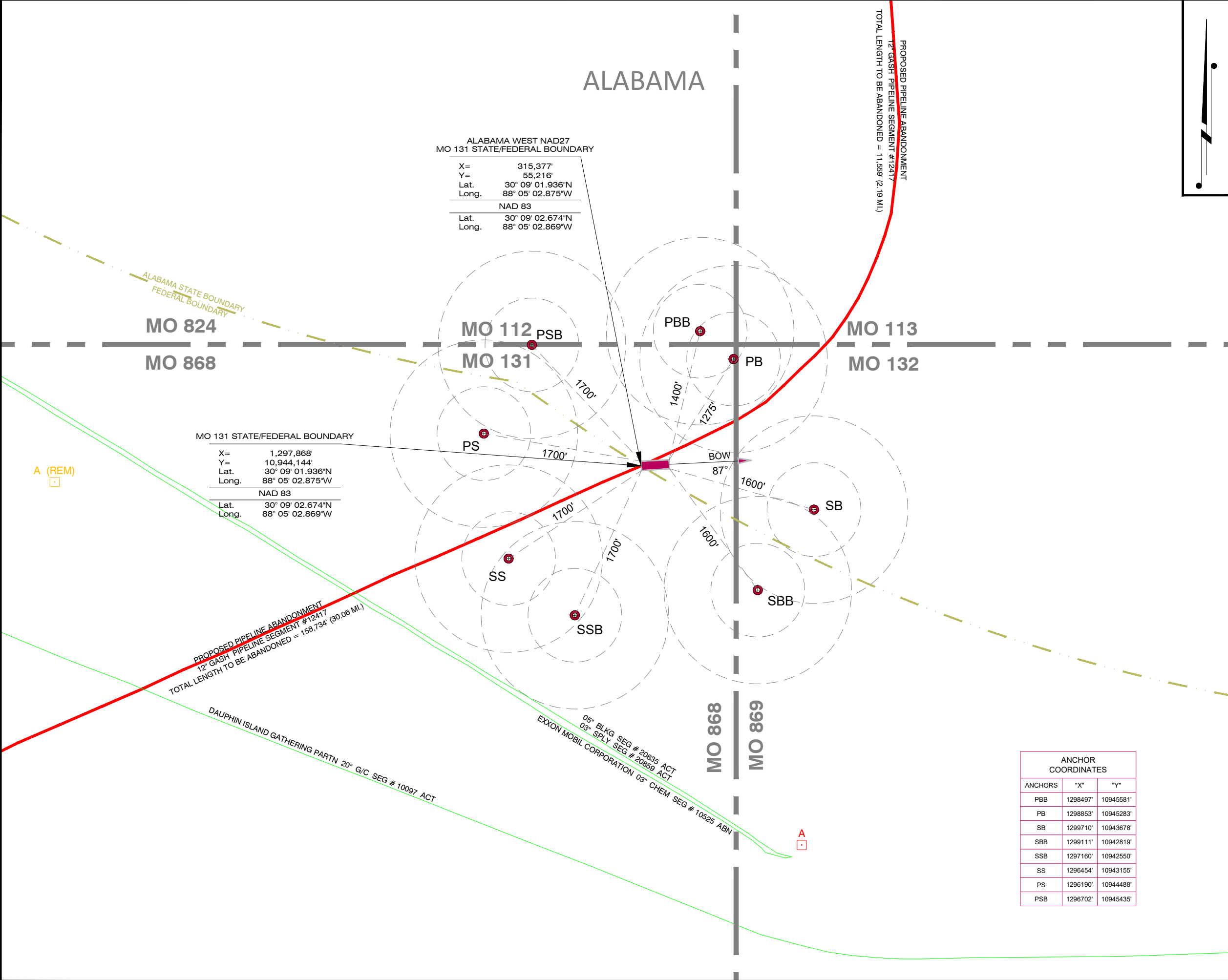


PROPOSED ANCHOR LOCATION PLAT

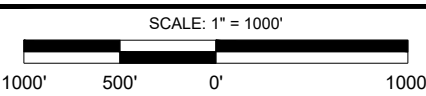
PROPOSED PIPELINE ABANDONMENT
12" GASH PIPELINE SEGMENT NO. 12417
VIOSCA KNOLL BLOCK 251 "CUT POINT" TO
MOBILE BAY BLOCK 113 "CUT POINT"
BARGE HEADING - 69°
OFFSHORE ALABAMA - GULF OF MEXICO

Prepared For:	Williams Companies	Drafted By:	MAM
Office Location:	Houston, TX	Checked By:	DKB
Drawing Name:	231891.VK251-MO113.S12417.Anchor-13	Geodetic Datum:	NAD 27
Revision No.:	0	Projection:	UTM 16N ZONE
Date:	November 29, 2023	Grid Units:	US Survey Feet

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 - Active platforms.
 - Removed platforms.
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 - 500' & 1,000' radius circles around proposed anchor locations.



PROPOSED ANCHOR LOCATION PLAT

PROPOSED PIPELINE ABANDONMENT
12" GASH PIPELINE SEGMENT NO. 12417
VIOSCA KNOLL BLOCK 251 "CUT POINT" TO
MOBILE BAY BLOCK 113 "CUT POINT"
BARGE HEADING - 87°
OFFSHORE ALABAMA - GULF OF MEXICO

Prepared For:	Williams Companies	Drafted By:	MAM
Office Location:	Houston, TX	Checked By:	DKB
Drawing Name:	231891_VK251-MO113_S12417_Anchor-12	Geodetic Datum:	NAD 27
Revision No.:	0	Projection:	UTM 16N ZONE
Date:	November 29, 2023	Grid Units:	US Survey Feet

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ANCHOR COORDINATES		
ANCHORS	"X"	"Y"
PBB	1298497'	10945581'
PB	1298853'	10945283'
SB	1299710'	10943678'
SBB	1299111'	10942819'
SSB	1297160'	10942550'
SS	1296454'	10943155'
PS	1296190'	10944488'
PSB	1296702'	10945435'

ATTACHMENT "C"
MODIFICATION PROCEDURES
12.75-INCH GASH PIPELINE
SEGMENT NO. 12417 (OCS-G 21486)

1) GENERAL OVERVIEW

The following is a procedure for the proposed modifications of the Williams Field Services – Gulf Coast Company LLC (WFS) Pipeline Segment No. 12417 (Right-of-Way OCS-G 21486). The proposed modifications will be made in conjunction with the proposed modifications of the Dauphin Island Gathering Partners, L.P. (DIGP) pipeline (Segment No. 10097, OCS-G 14091). Procedures for modifications of Pipeline Segment 10097 (Right-of-Way OCS-G 14091) will be provided under separate application for the DIGP 20-inch pipeline.

The pipeline is presently out of service and filled with product. Pipeline valves at VK 251 “A” facility and the MB 113 “A” facility will be positioned such that the Pipeline Segment No. 12417 is isolated from any sources of flow to accommodate the decommissioning and modifications.

The proposed modifications will consist of the following construction efforts:

- Partial decommissioning of the WFS 12.75-inch O.D. pipeline (Segment No. 12417).
- Modify Segment No. 12417 by installing a 12-in mechanical end connector. A 12” fabricated piping assembly will be added to the 12-in end connector and will connect to Pipeline Segment No. 10097.
- Remove portions of the WFS 12.75-inch O.D. pipeline (Segment No. 12417).

The sequence of the modifications described below may change to suit the contractor’s construction plan.

2) DECOMMISSIONING FLUSH AND FILL OF SEGMENT NO. 12417

- a) Mobilize DSV to the VK 251 “A” platform with a high pressure pumping spread.
- b) Isolate the launcher and align valves to bleed off pressure to the launcher
- c) Load poly foam pig into the existing launcher at VK 251
- d) Connect hoses to the existing launcher on VK 251 for pumping untreated seawater into the pipeline
- e) Pump untreated seawater into through PSN 12417 until a pressure spike is observed, indicating the pig arrival at MB-113 “A” platform, or a maximum of ~26,030 bbls (110% of the pipeline volume) of seawater is pumped.

- f) De-pressurize seawater in pipeline to near 0 psig.

3) PARTIAL DECOMMISSIONING OF SEGMENT NO. 12417 FROM VK 251 "A" PLATFORM (See Drawing Nos. 25069_12417-PER-003)

- a) The DSV will be positioned near the VK 251 "A" platform.
- b) The riser will be cut at a location approximately 5' above the mudline (Cut Point "8").
- c) The pipeline will be cut at Cut Point "7" approximately 25 feet from the base of the riser. The cut section will be recovered and transported to shore for disposal with all appropriate procedures required for potentially contaminated components including but not limited to NORM.
- d) A plug will be installed into the cut end of the pipeline segment at Cut Point "7". The pipeline end will be buried to a minimum of 3 feet below mud line. A concrete mat or sand bags will be installed over the end of the pipeline segment at Cut Point "7" in a sloping fashion.

4) DIVE SUPPORT VESSEL – SITE PREPARATION

- a) The dive support vessel (DSV) will mobilize to Mobile Block 868 to the proposed location of the subsea tie-in connection of the DIGP (Seg. No. 10097) and the WFS (Seg. No. 12417) pipelines. The water depth is approximately 46 feet. Existing cover will be removed to access the pipeline for partial decommissioning.

5) PARTIAL DECOMMISSIONING OF SEGMENT NO. 12417 AND SUBSEA PIPELINE CONNECTION TO SEGMENT NO. 10097 (See Drawing Nos. 25069_12417-PER-001, 25069_12417-PER-002, and 25069_12417-PER-004)

- a) The dive support vessel (DSV) will mobilize to Mobile Block 868 to the proposed location of the subsea tie-in connection of the DIGP (Seg. No. 10097) and the WFS (Seg. No. 12417) pipelines. The water depth is approximately 46 feet. Existing cover will be removed to access the pipeline for partial decommissioning.
- b) A section of the existing 12" pipeline will be uncovered as designated in the drawings. The 12" pipeline is coated with approximately 16 miles of FBE coating. The pipeline will be cut at Cut Point "5" and Cut Point "6" to remove and recover approximately 70 feet of the pipeline for onshore disposal. The cut section will be recovered and transported to shore for disposal with all appropriate procedures required for potentially contaminated components including but not limited to NORM.
- c) The cut end of the 12" pipeline next to Cut Point "6" will be plugged and a concrete mat or sand/cement bags will be placed over the end of the pipeline. The edges of the concrete mat shall be buried below the mudline. The end of the partially

decommissioned section may not need to be covered if the removal of the pipeline section is done concurrently with the pipeline modification.

- d) The cut end of the 12" pipeline next to Cut Point "5" will be inspected and prepared for installation of a 12" mechanical end connector.
- e) The 12" mechanical end connector will be installed at Cut Point "5" in accordance with manufacturer's procedures and guidelines. A temporary 20" blind flange will be added to the 12" mechanical end connector.
- f) After installation of the 12" mechanical end connector, the DSV will remain at the MO 868 location to complete the partial decommissioning and modification of the DIGP Segment 10097.

6) PIPELINE CONNECTION, HYDROSTATIC TESTING, AND INSTALLATION OF PROTECTIVE COVER OVER SUBSEA CONNECTIONS (See Drawing Nos. 25069_12417-PER-002 and 25069_12417-PER-004)

- a) Once the modifications are completed on the 12-inch pipeline (Segment No. 12417; OCS-G 21486), the 20-inch pipeline (Segment No. 10097) and the 12-inch pipeline (Segment No. 12417) will be connected.
- b) The flanged connection of the pipeline modification spools to Pipeline Segment Nos. 10097 and the flanged connection of Pipeline Segment 10097 to Pipeline Segment 12417 will be annulus leak tested with the use of a KaMOS or similar gasket to 1,440 psig MAOP for a period of 15 minutes or per manufacturers recommendation. The pipeline spools will have been hydrotested prior to installation to a pressure of 2,160 psig.
- c) Once the pipeline is successfully tested, protective cover with concrete mats and/or sand / cement bags will be placed over the flanged connections. The edges of the concrete mats will be buried below the mudline.

If the modifications to the DIGP pipeline (Segment No. 10097) are done concurrently with the modifications to the WFS pipeline (Segment No. 12417) described in this attachment, the final protective cover and configuration will be as shown in Drawing No. 25069_12417-PER-004. The pipeline system will be dewatered, filled with natural gas, and returned to service.

7) REMOVAL OF PARTIALLY DECOMMISSIONED PIPELINE SECTIONS (See Drawing Nos. 25069_12417-PER-005)

- a) A pipeline recovery vessel (PRV) will be positioned near the Cut Point "6" in MO 868 for the removal and disposal of the 12-inch that was decommissioned.

- b) The upstream section of the 12-inch pipeline will be unburied by jetting. Methods for unburying the pipeline have not yet been determined and will be based on the selected contractor's equipment.
- c) The 20-inch pipeline will be lifted to the surface and secured to the side of the PRV or construction barge. A 40 feet long joint will be cut from the pipeline and placed aside for onshore disposal. The PRV will be repositioned for the cutting and removal of the next joint of pipe. This process noted in steps b) and c) above will continue until the section of the 20-inch pipe up until the North side artificial reef Boundary line (X=1,286,927 Y=10,939,258) is removed for onshore disposal.
- d) After the cut is made at the North boundary line, a plumber's plug will be installed into the horizontal pipeline end going into the Dump Site. The pipeline will be buried to a minimum of 3' below the mud line. The end of pipe will be covered with 3:1 sand bags in a sloping fashion.
- e) The PRV will travel to south side Dump Site Boundary Line (X=1,282,235 Y=10,935,579) and locate the pipeline.
- f) Divers will jet to uncover pipeline. They will cut the pipeline and install plumbers plug into the horizontal pipeline end going towards the Dump Site. The pipeline end will be buried to a minimum 3' below mud line. Divers will cover end of pipe with 3:1 sand bags in a sloping fashion.
- g) The pipeline removal steps noted in Step C above will continue moving South from the Dump Site boundary line to the North Fairway Crossing Line (X=1,282,157 Y=10,934,162)
- h) Divers will cut the pipeline at the North Fairway Crossing line and install a plumbers plug into the horizontal pipeline end going towards the fairway. The pipeline end will be buried to a minimum of 3 feet below the mud line. Divers will cover the end of the pipe with 3:1 sand bags in a sloping fashion.
- i) The PRV will travel to South Fairway Crossing Line (X=1,281,266 Y=10,912,228) and jet to uncover the pipeline.
- j) Divers will locate and jet to uncover the pipeline. They will cut the pipeline and install a plumbers plug into the horizontal pipeline end going towards the fairway. The pipeline end will be buried to a minimum of 3 feet below the mud line. Divers will cover the end of the pipe with 3:1 sand bags in a sloping fashion.
- k) The pipeline removal steps noted in Step C above will continue moving South from the fairway line to the VK-31 block line.
- l) At VK-31 divers will perform a cut on the pipeline and install a plumbers plug into the horizontal pipeline end to be left in place. The pipeline end will be buried

a minimum of 3 feet below the mud line. Divers will cover the end of the pipe with 3:1 sand bags in a sloping fashion.

- m) At pipeline crossing locations where the 12-inch pipeline crosses over the foreign pipeline, cover and separation between the pipelines will be removed along with the pipeline.
- n) At pipeline crossing locations where the 12-inch pipeline is crossed by the foreign pipeline, the 20-inch pipeline will be cut on each side of the crossing location and will be unburied as needed to remove the cut section. The pipeline removal process will then continue.
- o) All pipeline sections cut for removal along with any cover material removed from the pipeline crossing locations will be transported to an onshore location for disposal.
- p) All marine equipment will be demobilized.

ATTACHMENT "B"
GENERAL INFORMATION AND CALCULATIONS
12.75-INCH O.D. GASH PIPELINE MODIFICATIONS
VIOSCA KNOLL BLOCK 251 "A" TO FEDERAL/STATE BOUNDARY
MOBILE BLOCK 868

1. The purpose of the proposed 12.75-inch O.D. pipeline modifications will be to transport natural gas from a subsea connection in Mobile Block 868 on the Dauphin Island Gathering Partners, L.P. (DIGP) pipeline (Segment No. 10097; OCS-G 14091) to a facility on the Mobile Bay (MB) Block 113 "A" platform in Alabama State Waters.
2. The 12.75-inch pipeline (Segment No. 12417) presently extends from the Fieldwood Energy IV LLC "A" platform in Viosca Knoll Block 251 to the "A" platform in Mobile Bay (MB) Block 113 in Alabama State Waters for a total distance of 169,783 feet (32.15 statute miles). The details for the modifications are described in the following sections.
3. The pipeline system is presently out of service and filled with product and will be flushed with seawater prior to commencement of construction activities for the proposed modifications. The pipeline is presently noted as a sour natural gas pipeline, but with the proposed connection to Segment No. 10097, the pipeline will be flowing natural gas.
4. 12-inch piping spools will be fabricated to facilitate the subsea connection between the Dauphin Island Gathering Partners, L.P. (DIGP) 20-inch pipeline (Segment No. 10097; OCS-G 14091) and the Williams Field Services – Gulf Coast Company LLC (WFS) pipeline (Segment No. 12417, OCS-G 21486) in Mobile Block 868. All construction modification work will be in Federal waters in Mobile Block 868. The length of the 12-inch pipe in the fabricated spools will be approximately 56 feet (0.01 statute miles). The length of the 12.75-inch O.D. pipeline that will remain in service after the modification, including the 12-inch fabricated spools, is 17,416 feet (3.30 statute miles) which includes 5,884 feet (1.11 statute miles) in Federal waters.
5. The coordinates for the Viosca Knoll Block 251 "A" platform, the subsea connection point for the 20-inch Segment No. 10097 (OCS-G 14091), the crossing point of Segment Nos. 10097 and 12417 are provided below. All coordinates provided in the application are with reference to Universal Transverse Mercator (UTM) Zone 16, Geodetic Datum: NAD 27, unless noted otherwise.

Fieldwood Energy IV LLC Facility:	X =	1,272,962.00 feet
VK Block 251 "A" Platform	Y =	10,797,214.00 feet
(BSEE Database)	Lat.	29° 44' 44.757" N
	Long.	88° 09' 29.703" W

Dauphin Island Gathering Partners, L.P.:	X =	1,292,600.71 feet
Seg. No. 10097; OCS-G 14091	Y =	10,941,755.03 feet
Subsea Connection Point	Lat.	30° 08' 37.779" N
MO Block 868	Long.	88° 06' 02.616" W

Existing Pipeline Crossing Point:	X =	1,292,561.00 feet
(Seg. No. 10097 & Seg. No. 12417)	Y =	10,941,771.00 feet
	Lat.	30° 08' 37.934" N
	Long.	88° 06' 03.070 W

6. To accommodate the proposed modifications, there will be a partial pipeline decommissioning of Segment 12417 and a partial relinquishment of Right-of-Way Pipeline, OCS-G 21486. A total distance of 152,320 feet (28.85 statute miles) will be decommissioned, and a total distance of 152,320 feet (28.85 statute miles) will be relinquished. A total distance of 17,416 feet (3.30 statute miles) will remain in service which includes 5,884 feet (1.11 statute miles) in Federal waters.

Prior to the tie-in modification, Segment 12417 will be pigged and flushed with uninhibited seawater. The riser will be disconnected from the VK 251 "A" platform by cutting the pipeline at the base of the structure and removing approximately 30 feet of the 12.75-inch pipeline using a dive support vessel.

The pipeline tie-in modification will begin by making cut points near the crossing of the DIGP Segment No. 10097 and the WFS Segment No. 12417 to accommodate the subsea connection of the existing DIGP 20-inch pipeline segment to the WFS 12-inch pipeline section along with the removal of approximately 70 feet of pipe for onshore disposal. The coordinates for the VK 251 "A" riser and the pipeline cut points in the Mobile Block 868 are provided below. The ends will be plugged and covered with sand/cement bags or a concrete mat.

Cut Point "8":	X =	1,272,945.00 feet
Viosca Knoll 251 "A" Platform	Y =	10,797,267.00 feet
(Base of Riser)	Lat.	29° 44' 45.281" N
(UTM, Zone 16 Coordinates)	Long.	88° 09' 29.908" W

Cut Point "7":	X =	1,272,943.00 feet
(VK Block 251)	Y =	10,797,298.00 feet
(30' from Base of Riser)	Lat.	29° 44' 45.587" N
(UTM, Zone 16 Coordinates)	Long.	88° 09' 29.928" W

Cut Point "6"	X =	1,292,533.65 feet
(MO Block 868)	Y =	10,941,758.65 feet
(30 feet South of Pipeline Crossing)	Lat.	30° 08' 37.808" N
	Long.	88° 06' 03.380" W

Cut Point "5"	X =	1,292,599.11 feet
(MO Block 868)	Y =	10,941,788.20 feet
(12" End Connector)	Lat.	30° 08' 38.107 N
	Long.	88° 06' 02.616" W

7. The section of pipeline to be decommissioned and right-of-way to be relinquished will be done as described below:

- a. For the partial pipeline decommissioning and partial right-of-way relinquishment, portions of the section will be decommissioned in place and other portions will be removed. The cut points for the sections to be removed are provided below and are referenced in the drawings prepared by T.Baker Smith. All other sections will be decommissioned in place. The ends of each section to be decommissioned in place will be plugged and covered with sand/cement bags or a concrete mat.

T.Baker Smith Tie Point 217 – 281 (30,176 feet to be removed)

Cut Point "9":	X =	1,280,040.00 feet
Viosca Knoll 31/Mobile 999	Y =	10,882,080.00 feet
TBS Tie Point 217	Lat.	29° 58' 45.724" N
(Significant Sediment Resource Area)	Long.	88° 08' 18.927" W

Cut Point "10":	X =	1,281,266.00 feet
Viosca Knoll 955	Y =	10,912,228.00 feet
TBS Tie Point 281	Lat.	30° 03' 44.340" N
(Fairway Crossing)	Long.	88° 08' 08.390" W

T.Baker Smith Tie Point 327 – 330 (1,421 feet to be removed)

Cut Point "11"	X =	1,282,157.00 feet
Mobile 867	Y =	10,934,162.00 feet
TBS Tie Point 327	Lat.	30° 07' 21.593" N
(Fairway Crossing)	Long.	88° 08' 00.717" W

Cut Point "12"	X =	1,282,235.00 feet
Mobile 867	Y =	10,935,579.00 feet
TBS Tie Point 330	Lat.	30° 07' 35.631 N
(Artificial Reef Boundary)	Long.	88° 07' 59.991" W

T.Baker Smith Tie Point 351 – 364 (6,141 feet to be removed)

Cut Point "13"	X =	1,286,927.00 feet
Mobile 868)	Y =	10,939,258.00 feet
TBS Tie Point 351	Lat.	30° 08' 12.510" N

(Artificial Reef Boundary)	Long.	88° 07' 06.965" W
Cut Point "6"	X =	1,292,533.65 feet
Mobile 868	Y =	10,941,758.65 feet
TBS Tie Point 364	Lat.	30° 08' 37.808" N
	Long.	88° 06' 03.380" W

8. Pipeline Segment No. 12417 is presently permitted for transporting natural gas with H₂S. The modified pipeline will receive natural gas from the W & T Offshore, Inc. Mobile Block 916 "A" facility through pipeline Segment Nos. 10250 and 10097. The modified pipeline will continue to supply product to the Mobile Bay Block 113 "A" facility located in Alabama State Waters.
9. The description of the pipe and coating for the subsea connection location is as follows:
 - a. Existing Line Pipe

12.75" O.D. x 0.500" W.T., API 5L Grade X52 pipe. Weight Bare – 65.47 lbs./ft. with 1.5" of concrete weight coating (140 lbs/ft³).
 - b. Proposed Line Pipe

12.75" O.D. x 0.500" W.T., API 5L PSL2, X52, ERW or SMLS pipe. Weight Bare – 65.47 lbs./ft. coated with 14-16 mils thin film fusion bonded epoxy.

20" X 12" Reducer - 20" (0.500" W.T.) x 12" (0.500" W.T.), WPHY-60
 - c. Internal Coating

The proposed pipeline section will not be coated internally. The analysis of the transported product will be monitored and preventive measures such as pigging and/or inhibitors will be employed, as necessary.
10. The water depth in the area for the proposed modification is approximately (-) 46 feet. Since the proposed section of the 12-inch pipe is in water depths less than 200 feet, it will be buried a minimum of 3 feet below the mudline.
11. The specific gravity of the existing and proposed line pipe and subsea tie-in spools is calculated as follows:

a. Existing Line Pipe

12.75" O.D. x 0.500" W.T. Pipe, coated with 16 mils of FBE coating and 1.5" of 140 PCF concrete coating.

$$S.G. = (W + P) / A / R$$

$$S.G. = 1.51$$

$$W = 65.47 \text{ lbs./ft.}$$

$$P = 65.28 \text{ lbs./ft.}$$

$$A = 1.35 \text{ ft.}^2$$

$$R = 64 \text{ lbs./ft.}^3$$

b. Proposed Line Pipe

12.75" X 0.500" W.T. Pipe Coated with 16 mills of FBE

$$SG = 2.865W/D^2$$

$$SG = 1.15$$

$$W = 65.47 \text{ lbs./ft.}$$

$$D = 12.75 \text{ in.}$$

12. The design pressure for the line pipe and subsea tie-in pipe is calculated as follows:

a. Existing 12.75-Inch Line Pipe

$$\text{Design Pressure} = 2St/D \times F \times E \times T$$

$$\text{Design Pressure} = 2 (52,000) (0.500 / 12.75) \times .72 \times 1 \times 1$$

$$\text{Design Pressure} = 2,936 \text{ psig}$$

$$F = 0.72$$

$$S = 52,000 \text{ psi}$$

$$D = 12.75 \text{ in}$$

$$t = 0.500 \text{ in}$$

$$E = 1 \quad T = 1$$

b. Proposed Pipe 12.75-Inch Line Pipe

$$\text{Design Pressure} = 2St/D \times F \times E \times T$$

$$\text{Design Pressure} = 2 (52,000) (0.500 / 12.75) \times .60 \times 1 \times 1$$

$$\text{Design Pressure} = 2,447 \text{ psig}$$

$$F = 0.60$$

$$S = 52,000 \text{ psi}$$

$$D = 12.75 \text{ in}$$

$$t = 0.500 \text{ in}$$

$$E = 1 \quad T = 1$$

c. Proposed 20" x 12" Reducer

$$\text{Design Pressure} = 2St/D \times F \times E \times T$$

$$\text{Design Pressure} = 2 (60,000) (0.500 / 20) \times .60 \times 1 \times 1$$

$$\text{Design Pressure} = 1,800 \text{ psig}$$

$$F = 0.60$$

$$S = 60,000 \text{ psi}$$

$$D = 20.00 \text{ in}$$

$$t = 0.500 \text{ in}$$

$$E = 1 \quad T = 1$$

13. Fittings and Flanges

All fittings and flanges will be ANSI 900 Class. All flanges will be RTJ. The maximum rated design pressure of the ANSI 900 class flanges and valves associated with Crescent's proposed pipeline modifications is 2,220 psig. This is based upon the pressure-temperature ratings given in ASME/ANSI B16.5 Pipe Flanges and Flanged Fittings, for ANSI Class 900 with a maximum design temperature of 100 °F.

14. The design flow rate to be received from the W & T Offshore, Inc. facility in Mobile Block 916 is 10 MMCFD of natural gas. Flow temperature will be 100⁰ F. The specific gravity of the product being transported for the gas is anticipated to be 0.60 (Air = 1.0, T = 60⁰ F).
15. The MAOP of the modified Segment No. 12417 will be 1,440 psig. The MAOP is based on the MAOP of the upstream connecting pipeline (Segment No. 10097; OCS-G 14091)
16. The requested MAOP of the modified 12.75-inch natural pipeline as determined in accordance with Title 30 CFR Part 250, Subpart "J" and in accordance with Title 49 CFR Part 192 is 1,440 psig.
17. The proposed 12-inch piping spools will be hydrostatically tested prior to installation at a minimum pressure of 1.5 x 1,440 psig = 2,160 psig with a minimum hold time of eight hours. The following calculations show resulting stress during hydrostatic testing:

a. 12.75 -inch O.D. 0.500" W.T. Pipe (proposed)

$S_h \leq FST$	$F = 0.95$
$S_h \leq .95 \times 52,000 \times 1 = 49,400 \text{ psi}$	$S = 52,000 \text{ psi}$
	$T = 1$
$S_h = PD/2t$	$P = 2,160 \text{ psig}$
$S_h = (2,160 \times 12.75) / (2 \times 0.500)$	$t = 0.500 \text{ in}$
$S_h = 27,540 \text{ psi}$	$D = 12.75 \text{ in}$

b. 20" x 12" Reducer (proposed)

$S_h \leq FST$	$F = 0.95$
$S_h \leq .95 \times 60,000 \times 1 = 57,000 \text{ psi}$	$S = 60,000 \text{ psi}$
	$T = 1$

$$S_h = PD/2t$$

$$S_h = (2,160 \times 20.00) / (2 \times 0.500)$$

$$S_h = 43,200 \text{ psi}$$

$$P = 2,160 \text{ psig}$$

$$t = 0.500 \text{ in}$$

$$D = 20.00 \text{ in}$$

18. The flange connections of the modified Segment 12417 to the 12-inch modification piping spool and to Segment 10097 will be annulus leak tested with the use of a KaMOS or similar gasket to 1,440 psig.

19. Construction Information:

- | | | |
|----|---|---|
| a. | Estimated Starting Date: | July 1, 2026 |
| b. | Method of Construction: | Lay Barge and Dive Support Vessel (DSV) |
| c. | Method of Burial: | Hand Jetting |
| d. | Estimated Time to Complete Modification | 7 days |
| e. | Estimated Time to Complete Pipeline Removal | 21 days |

ATTACHMENT "A"

BLOCK LEASE INFORMATION

The following is the status of the block leases as of November 2025, per BSEE Public Information Records.)

MOBILE AREA, BLOCK 868

W & T Offshore, Inc.	OCS-G 05067	Oil & Gas Lease
Dauphin Island Gathering Partners, L.P.	OCS-G-14091 Seg. No. 10097	ROW Pipeline

Note: All leases and pipelines listed below will be affected by the removal of portions of the decommissioned section of Seg. No. 12417.

VIOSCA KNOLL, BLOCK 251

Lease Terminated	OCS-G 10930	Oil & Gas Lease
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MOBILE AREA, BLOCK 999

Lease Expired	OCS-G 19888	Oil & Gas Lease
Dauphin Island Gathering Partners	OCS-G-17720 Seg. No. 11355	ROW Pipeline

MOBILE AREA, BLOCK 955

Lease Terminated	OCS-G 05757	Oil & Gas Lease
Gulfstream Natural Gas System, L.L.C.	OCS-G-21459 Seg. No. 12373	ROW Pipeline

MOBILE AREA, BLOCK 867

Lease Terminated	OCS-G 05066	Oil & Gas Lease
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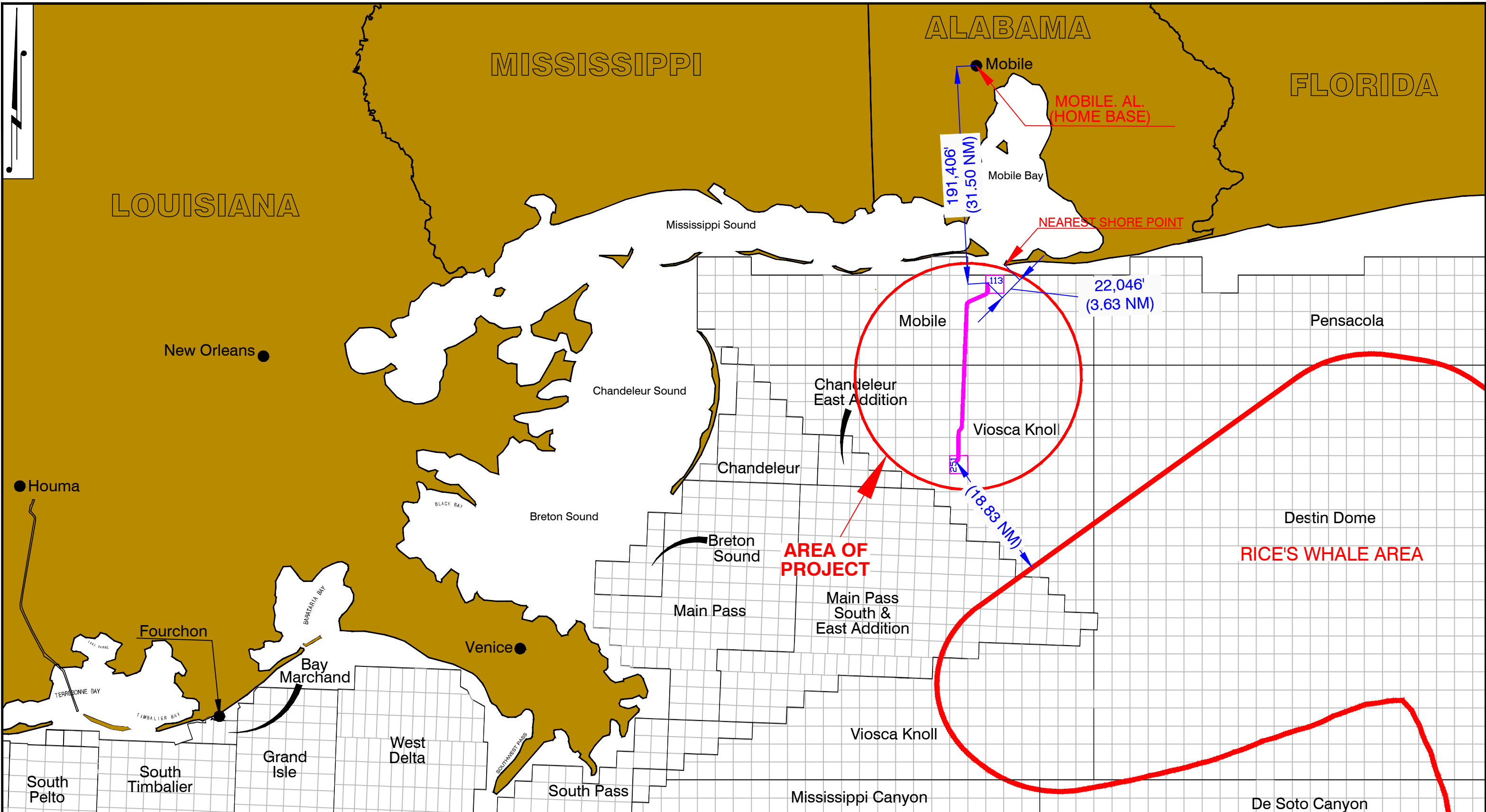
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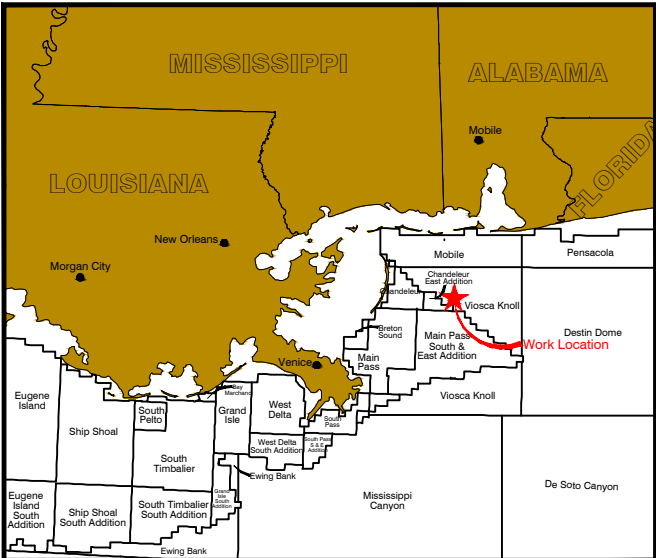


T. BAKER SMITH
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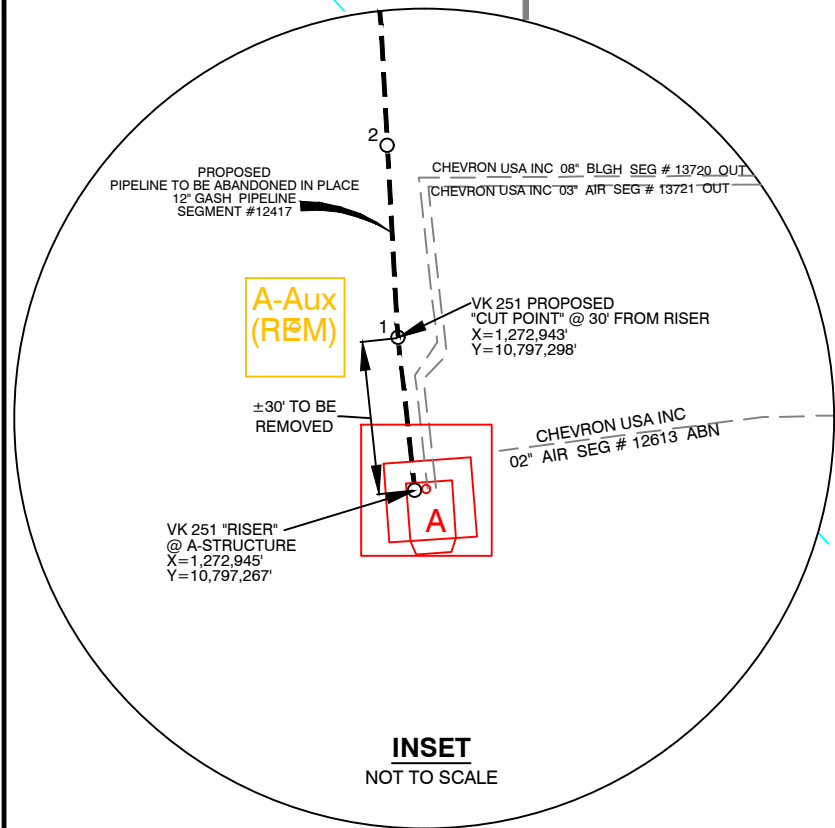
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SCALE IN FEET		
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-	-	-
REVISION DESCRIPTION:		
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DATE:	10/27/2025	JOB NO:	2025.1592
DRAWING NAME: 251592_VK251-MO113_VIC.DWG			
PROJECTION: UTM 16N ZONE			
GEO. DATUM: NAD27 VERT. DATUM: NAVD88			
GRID UNITS: US SURVEY FEET			
SHEET NO:	1	OF	8

VICINITY MAP
WILLIAMS COMPANIES
PROPOSED PARTIAL PIPELINE ABANDONMENT & REMOVAL
12" GASH PIPELINE SEGMENT NO. 12417
VIOSCA KNOLL BLOCK 251 TO MOBILE BAY BLOCK 113
OFFSHORE ALABAMA
GULF OF MEXICO



PROPOSED PIPELINE ABANDONMENT
12" GASH PIPELINE SEGMENT #12417
PORTION TOTAL LENGTH TO BE ABANDONED
IN FEDERAL WATERS= ±86,370' (16.36 MI.)



LEGEND:

- EXISTING PIPELINES
- PORTION OF PIPELINE TO BE ABANDONED IN PLACE
- PIPELINES ABANDONED/REMOVED/OUT

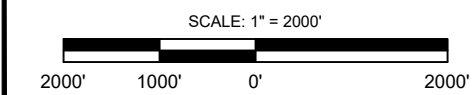
NOTE:

- NO FIELD WORK WAS PERFORMED BY T. BAKER SMITH, LLC TO PRODUCE THIS PLAT.
- THIS DRAWING MAY NOT REPRESENT ALL HAZARDS IN PROJECT AREA.

I CERTIFY THAT THIS PLAT REPRESENTS THE PROPOSED PIPELINE WORK FOR PERMIT ACQUISITION.



DAVID K. BURDEAUX, P.L.S.
PROFESSIONAL LAND SURVEYOR NO. 21169

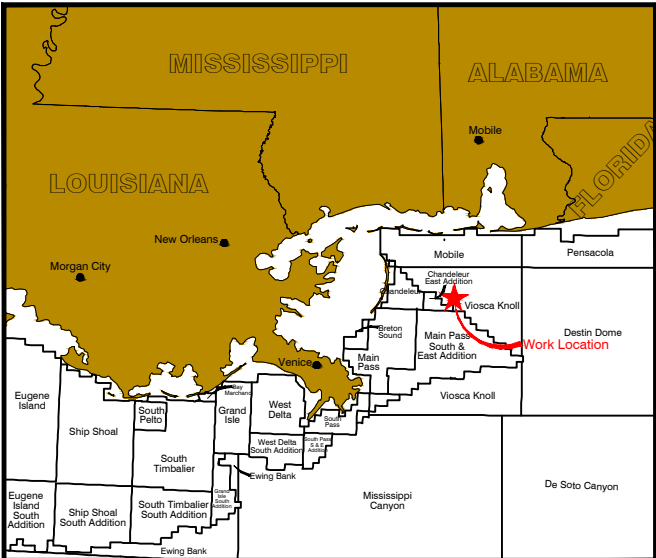


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REV. NO: - REV. DATE: - REV. BY: -

DRAWN BY: MAM APPROVED BY: DKB
DATE: 10/27/2025 JOB NO: 2025.1592
DRAWING NAME: 251592_VK251-MO113_PL_Abn/Rem_S12417.DWG
SHEET NO: 2 OF 8
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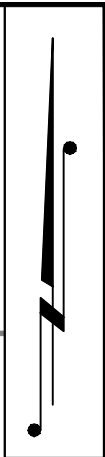
TIE	12" GASH PIPELINE SEG.# 12417 TO BE ABANDONED (UTM16N NAD27)	
	X	Y
1 CUT PT.	1,272,943'	10,797,298'
2 FLANGE	1,272,940'	10,797,408'
3 BEND	1,272,939'	10,797,455'
4 FLANGE	1,272,961'	10,797,468'
5 FLANGE	1,273,102'	10,797,610'
6	1,273,244'	10,797,751'
7 PLXING	1,273,315'	10,797,822'
8	1,273,386'	10,797,891'
9	1,273,530'	10,798,030'
10	1,273,680'	10,798,175'
11	1,273,826'	10,798,312'
12	1,273,971'	10,798,450'
13	1,274,089'	10,798,561'
14	1,274,200'	10,798,728'
15	1,274,311'	10,798,895'
16	1,274,394'	10,799,020'
17	1,274,482'	10,799,200'
18	1,274,569'	10,799,379'
19	1,274,617'	10,799,478'
20	1,274,676'	10,799,669'
21	1,274,734'	10,799,861'
22	1,274,781'	10,800,013'
23	1,274,803'	10,800,150'
24	1,274,809'	10,800,620'
25	1,274,817'	10,801,110'
26	1,274,817'	10,801,598'
27	1,274,821'	10,802,096'
28 TAP TEE	1,274,825'	10,802,363'
29	1,274,825'	10,802,722'
30 BLK.LINE	1,274,826'	10,802,880'
31	1,274,823'	10,803,341'
32 FAIRWAY	1,274,826'	10,803,230'
33	1,274,819'	10,803,564'
34	1,274,845'	10,804,053'
35	1,274,845'	10,804,541'
36	1,274,846'	10,805,030'
37	1,274,831'	10,805,528'
38	1,274,845'	10,806,016'
39	1,274,836'	10,806,500'
40	1,274,833'	10,806,987'
41	1,274,846'	10,807,484'
42	1,274,854'	10,807,974'
43	1,274,847'	10,808,457'
44	1,274,857'	10,808,945'
45	1,274,856'	10,809,434'
46	1,274,859'	10,809,914'
47	1,274,838'	10,810,403'
48	1,274,881'	10,810,892'
49	1,274,871'	10,811,364'
50	1,274,875'	10,811,869'
51	1,274,863'	10,812,362'
52	1,274,869'	10,812,853'
53	1,274,881'	10,813,335'
54	1,274,882'	10,813,829'
55	1,274,891'	10,814,320'
56	1,274,879'	10,814,797'
57	1,274,888'	10,815,290'
58	1,274,892'	10,815,780'
59	1,274,892'	10,816,267'
60	1,274,875'	10,816,747'
61	1,274,895'	10,817,240'
62	1,274,896'	10,817,696'
63	1,274,900'	10,818,226'
64 BLK.LINE	1,274,903'	10,818,720'
65	1,274,914'	10,819,192'
66	1,274,911'	10,819,680'
67	1,274,913'	10,820,169'
68	1,274,924'	10,820,652'
69	1,274,909'	10,821,137'
70 FAIRWAY	1,274,912'	10,821,305'
71	1,274,916'	10,821,633'
72	1,274,921'	10,822,126'
73	1,274,922'	10,822,608'
74	1,274,929'	10,822,834'
75	1,274,936'	10,823,053'
76	1,274,972'	10,823,259'
77	1,275,007'	10,823,461'
78	1,275,040'	10,823,647'
79	1,275,132'	10,823,890'
80	1,275,203'	10,824,077'
81	1,275,308'	10,824,278'
82	1,275,408'	10,824,475'



VK 75

SHEET 4 OF 8
MATCHLINE

PROPOSED PIPELINE ABANDONMENT
12" GASH PIPELINE SEGMENT #12417
PORTION TOTAL LENGTH TO BE ABANDONED
IN FEDERAL WATERS= ±86,370' (16.36 MI.)



TIE	12" GASH PIPELINE SEG.# 12417 TO BE ABANDONED (UTM16N NAD27)	
	X	Y
82	1,275,408'	10,824,475'
83	1,275,570'	10,824,687'
84	1,275,704'	10,824,865'
85	1,275,868'	10,825,067'
86	1,276,005'	10,825,234'
87	1,276,142'	10,825,406'
88	1,276,290'	10,825,589'
PLXING	1,276,482'	10,825,828'
89	1,276,625'	10,826,005'
90	1,276,796'	10,826,216'
91	1,276,937'	10,826,394'
92	1,277,095'	10,826,595'
93	1,277,236'	10,826,777'
94	1,277,373'	10,826,981'
95	1,277,503'	10,827,177'
96	1,277,602'	10,827,408'
97	1,277,696'	10,827,622'
98	1,277,762'	10,827,857'
99	1,277,829'	10,828,097'
100	1,277,854'	10,828,351'
101	1,277,875'	10,828,583'
102	1,277,894'	10,829,075'
103	1,277,915'	10,829,566'
104	1,277,936'	10,830,020'
105	1,277,937'	10,830,053'
106	1,277,959'	10,830,543'
107	1,277,975'	10,831,029'
108	1,277,980'	10,831,512'
109	1,278,018'	10,831,999'
110	1,278,032'	10,832,485'
111	1,278,043'	10,832,984'
112	1,278,066'	10,833,466'
113	1,278,090'	10,833,955'
114	1,278,110'	10,834,560'
BLK.LINE	1,278,138'	10,834,934'
115	1,278,156'	10,835,419'
116	1,278,163'	10,835,904'
117	1,278,191'	10,836,388'
118	1,278,217'	10,836,869'
119	1,278,231'	10,837,320'
120	1,278,251'	10,837,852'
121	1,278,267'	10,838,338'
122	1,278,289'	10,838,829'
123	1,278,290'	10,838,853'
124	1,278,304'	10,839,327'
125	1,278,325'	10,839,800'
126	1,278,347'	10,840,287'
127	1,278,364'	10,840,776'
128	1,278,385'	10,841,260'
129	1,278,407'	10,841,750'
130	1,278,431'	10,842,241'
131	1,278,443'	10,842,720'
132	1,278,474'	10,843,208'
133	1,278,484'	10,843,740'
134	1,278,505'	10,844,232'
135	1,278,525'	10,844,678'
136	1,278,545'	10,845,165'
137	1,278,562'	10,845,651'
138	1,278,584'	10,846,139'
139	1,278,606'	10,846,631'
140	1,278,621'	10,847,125'
141	1,278,642'	10,847,606'
142	1,278,662'	10,848,095'
143	1,278,681'	10,848,581'
144	1,278,716'	10,849,077'
145	1,278,718'	10,849,568'
146	1,278,742'	10,850,047'
147	1,278,756'	10,850,400'
148	1,278,802'	10,851,016'
149	1,278,805'	10,851,510'
BLK.LINE	1,278,816'	10,851,994'
150	1,278,845'	10,852,483'
151	1,278,867'	10,852,965'

DESTIN PIPELINE COMPANY LLC 26" GAS SEG. # 11273 ACT

TRANSCONTL GAS PIPE LINE 24" GAS SEG. # 11467 ACT

VK 118
VK 162

VK 119
VK 163

I CERTIFY THAT THIS PLAT REPRESENTS THE PROPOSED
PIPELINE WORK FOR PERMIT ACQUISITION.



DAVID K. BURDEAUX, P.L.S.
PROFESSIONAL LAND SURVEYOR NO. 21169

LEGEND:
— EXISTING PIPELINES
- - - PORTION OF PIPELINE TO BE ABANDONED IN PLACE

NOTE:
1. NO FIELD WORK WAS PERFORMED BY T. BAKER SMITH, LLC
TO PRODUCE THIS PLAT.
2. THIS DRAWING MAY NOT REPRESENT ALL HAZARDS IN
PROJECT AREA.

MATCHLINE
SHEET 2 OF 8

SCALE: 1" = 2000'

2000' 1000' 0' 2000'

T. BAKER SMITH
SOLUTIONS START HERE
107 Global Circle, Lafayette, LA 70503
(337)735-2800 - tbsmith.com

REV. NO: - REV. DATE: - REV. BY: -

DRAWN BY: MAM APPROVED BY: DKB

DATE: 10/27/2025 JOB NO: 2025.1592

DRAWING NAME: 251592_VK251-MO113_PL_Abn/Rem_S12417.DWG

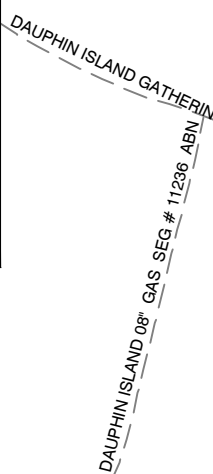
SHEET NO: 3 OF 8

PROJECTION: UTM 16N ZONE
GEO. DATUM: NAD27 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

REVISION DESCRIPTION:
-

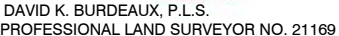
PROPOSED PARTIAL PIPELINE ABANDONMENT & REMOVAL

WILLIAMS COMPANIES
12" GASH PIPELINE SEGMENT NO. 12417
VIOSCA KNOLL BLOCK 251 "A" STRUCTURE TO
MOBILE BAY BLOCK 113 "A" STRUCTURE
OFFSHORE ALABAMA
GULF OF MEXICO



TIE	12" GAS PIPELINE SEG.# 12417 TO BE ABANDONED (UTM16N NAD27)	
	X	Y
154	1,278,867'	10,852,965'
155	1,278,886'	10,853,453'
156	1,278,897'	10,853,943'
157	1,278,920'	10,854,433'
158	1,278,934'	10,854,918'
159	1,278,961'	10,855,412'
160	1,278,978'	10,855,855'
161	1,279,001'	10,856,373'
162	1,279,019'	10,856,918'
163 TAP TEE	1,279,036'	10,857,361'
164	1,279,063'	10,857,848'
165	1,279,081'	10,858,333'
166	1,279,093'	10,858,825'
167	1,279,122'	10,859,310'
168	1,279,140'	10,859,801'
169	1,279,149'	10,860,286'
170	1,279,176'	10,860,775'
171	1,279,200'	10,861,260'
172	1,279,219'	10,861,747'
173	1,279,236'	10,862,238'
174 PLXING	1,279,251'	10,862,700'
175	1,279,274'	10,863,210'
176	1,279,299'	10,863,697'
177	1,279,318'	10,864,190'
178	1,279,337'	10,864,673'
179	1,279,335'	10,865,164'
180	1,279,382'	10,865,648'
181	1,279,392'	10,866,139'
182 BLK LINE	1,279,398'	10,866,240'
183	1,279,425'	10,866,626'
184	1,279,438'	10,867,115'
185	1,279,454'	10,867,605'
186	1,279,483'	10,868,095'
187	1,279,486'	10,868,581'
188	1,279,518'	10,869,069'
189 PLXING	1,279,536'	10,869,572'
190	1,279,559'	10,870,040'
191	1,279,564'	10,870,533'
192	1,279,599'	10,871,019'
193	1,279,616'	10,871,502'
194 PLXING	1,279,624'	10,871,802'
195	1,279,650'	10,871,991'
196	1,279,654'	10,872,477'
197	1,279,654'	10,872,962'
198	1,279,690'	10,873,453'
199	1,279,711'	10,873,939'
200	1,279,729'	10,874,426'
201	1,279,747'	10,874,918'
202	1,279,757'	10,875,397'
203	1,279,769'	10,875,882'
204 PLXING	1,279,796'	10,876,143'
205	1,279,814'	10,876,368'
206	1,279,835'	10,876,852'
207	1,279,846'	10,877,344'
208	1,279,861'	10,877,822'
209	1,279,882'	10,878,312'
210	1,279,909'	10,878,797'
211	1,279,928'	10,879,287'
212	1,279,946'	10,879,775'
213	1,279,961'	10,880,232'
214	1,279,986'	10,880,750'
215	1,280,007'	10,881,235'

I CERTIFY THAT THIS PLAT REPRESENTS THE PROPOSED PIPELINE WORK FOR PERMIT ACQUISITION.

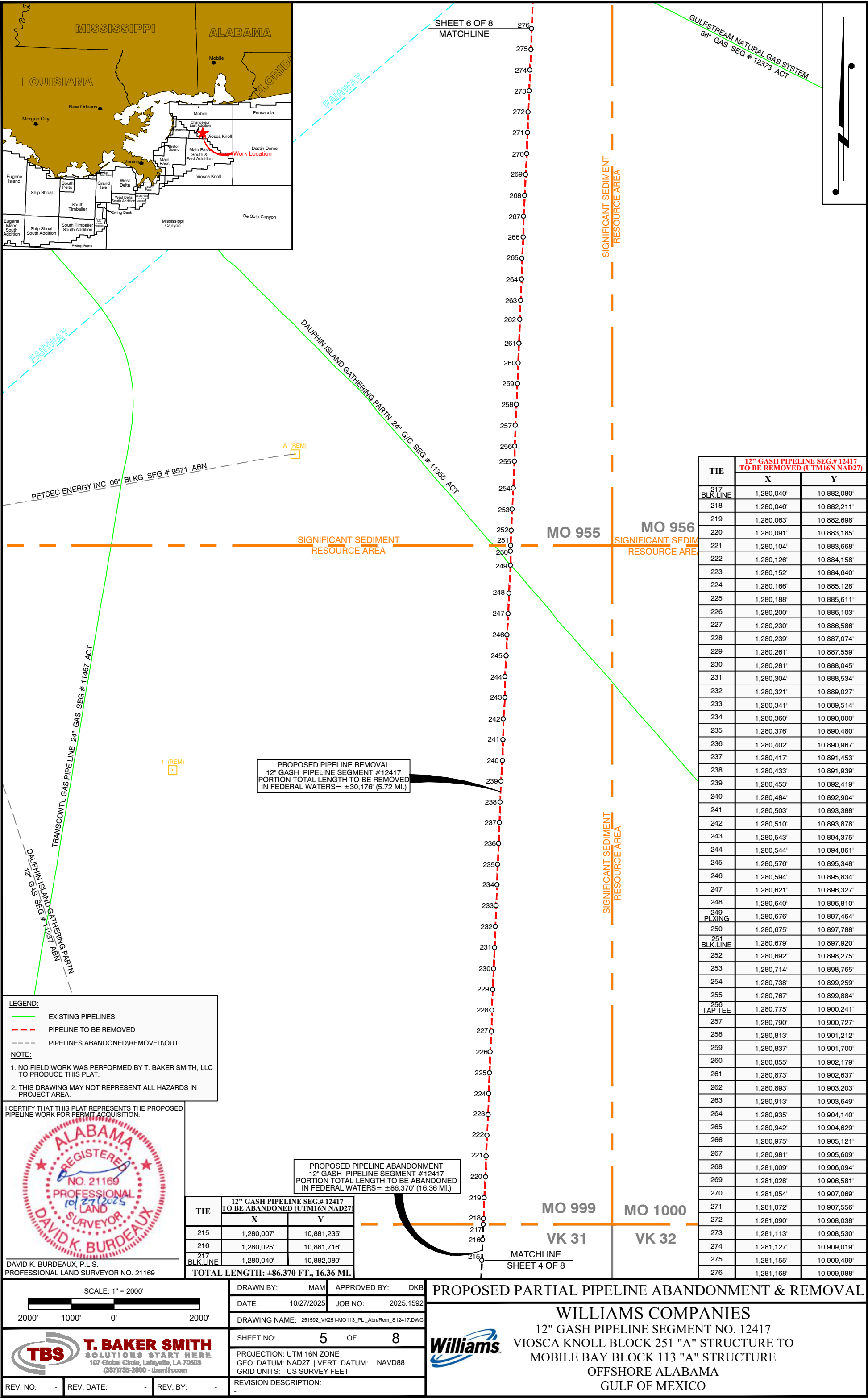
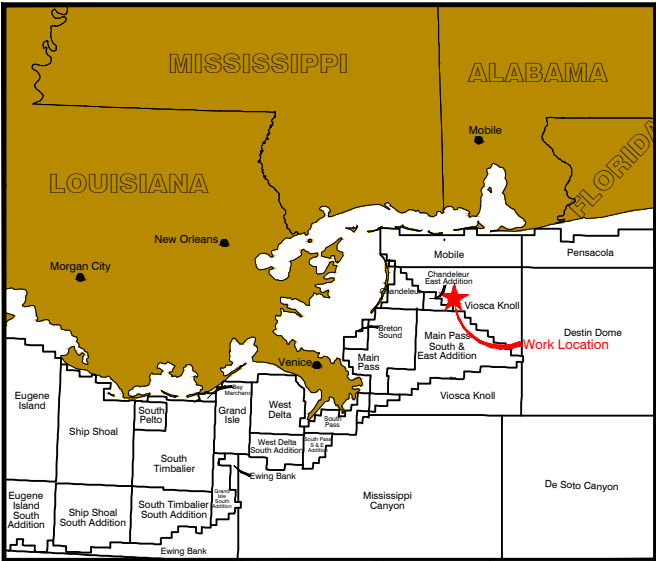


TBS **T. BAKER SMITH**
SOLUTIONS START HERE
107 Global Circle, Lafayette, LA 70503
(337) 735-2800 - tbsmith.com

DRAWN BY: MAM		APPROVED BY: DKB	
DATE: 10/27/2025		JOB NO: 2025.1592	
DRAWING NAME: 251592_VK251-M0113_PL_AbriRem_S12417.DWG			
SHEET NO: 4		OF 8	
PROJECTION: UTM 16N ZONE			
GEO. DATUM: NAD27 VERT. DATUM: NAVD88			
GRID UNITS: US SURVEY FEET			
REVISION DESCRIPTION:			

PROPOSED PARTIAL PIPELINE ABANDONMENT & REMOVAL

WILLIAMS COMPANIES
12" GASH PIPELINE SEGMENT NO. 12417
VIOSCA KNOLL BLOCK 251 "A" STRUCTURE TO
MOBILE BAY BLOCK 113 "A" STRUCTURE
OFFSHORE ALABAMA
GULF OF MEXICO



LEGEND:

- EXISTING PIPELINES
- PIPELINE TO BE REMOVED
- PIPELINES ABANDONED/REMOVED/OUT

NOTE:

- NO FIELD WORK WAS PERFORMED BY T. BAKER SMITH, LLC TO PRODUCE THIS PLAT.
- THIS DRAWING MAY NOT REPRESENT ALL HAZARDS IN PROJECT AREA.

I CERTIFY THAT THIS PLAT REPRESENTS THE PROPOSED PIPELINE WORK FOR PERMIT ACQUISITION.

DAVID K. BURDEAUX, P.L.S.
PROFESSIONAL LAND SURVEYOR NO. 21169

TIE	12" GASH PIPELINE SEG.# 12417 TO BE ABANDONED (UTM16N NAD27)	
	X	Y
215	1,280,007'	10,881,235'
216	1,280,025'	10,881,716'
217 BLK LINE	1,280,040'	10,882,080'
TOTAL LENGTH: ±86,370 FT., 16.36 MI.		

PROPOSED PIPELINE ABANDONMENT
12" GASH PIPELINE SEGMENT #12417
PORTION TOTAL LENGTH TO BE ABANDONED
IN FEDERAL WATERS= ±86,370' (16.36 MI.)

TIE	12" GASH PIPELINE SEG.# 12417 TO BE REMOVED (UTM16N NAD27)	
	X	Y
217 BLK LINE	1,280,040'	10,882,080'
218	1,280,046'	10,882,211'
219	1,280,063'	10,882,698'
220	1,280,091'	10,883,185'
221	1,280,104'	10,883,668'
222	1,280,126'	10,884,158'
223	1,280,152'	10,884,640'
224	1,280,166'	10,885,128'
225	1,280,188'	10,885,611'
226	1,280,200'	10,886,103'
227	1,280,230'	10,886,586'
228	1,280,239'	10,887,074'
229	1,280,261'	10,887,559'
230	1,280,281'	10,888,045'
231	1,280,304'	10,888,534'
232	1,280,321'	10,889,027'
233	1,280,341'	10,889,514'
234	1,280,360'	10,890,000'
235	1,280,376'	10,890,480'
236	1,280,402'	10,890,967'
237	1,280,417'	10,891,453'
238	1,280,433'	10,891,939'
239	1,280,453'	10,892,419'
240	1,280,484'	10,892,904'
241	1,280,503'	10,893,388'
242	1,280,510'	10,893,878'
243	1,280,543'	10,894,375'
244	1,280,544'	10,894,861'
245	1,280,576'	10,895,348'
246	1,280,594'	10,895,834'
247	1,280,621'	10,896,327'
248	1,280,640'	10,896,810'
249 PLXING	1,280,676'	10,897,464'
250	1,280,675'	10,897,788'
251 BLK LINE	1,280,679'	10,897,920'
252	1,280,692'	10,898,275'
253	1,280,714'	10,898,765'
254	1,280,738'	10,899,259'
255	1,280,767'	10,899,884'
256 TAP TEE	1,280,775'	10,900,241'
257	1,280,790'	10,900,727'
258	1,280,813'	10,901,212'
259	1,280,837'	10,901,700'
260	1,280,855'	10,902,179'
261	1,280,873'	10,902,637'
262	1,280,893'	10,903,203'
263	1,280,913'	10,903,649'
264	1,280,935'	10,904,140'
265	1,280,942'	10,904,629'
266	1,280,975'	10,905,121'
267	1,280,981'	10,905,609'
268	1,281,009'	10,906,094'
269	1,281,028'	10,906,581'
270	1,281,054'	10,907,069'
271	1,281,072'	10,907,556'
272	1,281,090'	10,908,038'
273	1,281,113'	10,908,530'
274	1,281,127'	10,909,019'
275	1,281,155'	10,909,499'
276	1,281,168'	10,909,988'

SCALE: 1" = 2000'

2000' 1000' 0' 2000'

DRAWN BY: MAM APPROVED BY: DKB

DATE: 10/27/2025 JOB NO: 2025.1592

DRAWING NAME: 251592_VK251-MO113_PL_Abn/Rem_S12417.DWG

SHEET NO: 5 OF 8

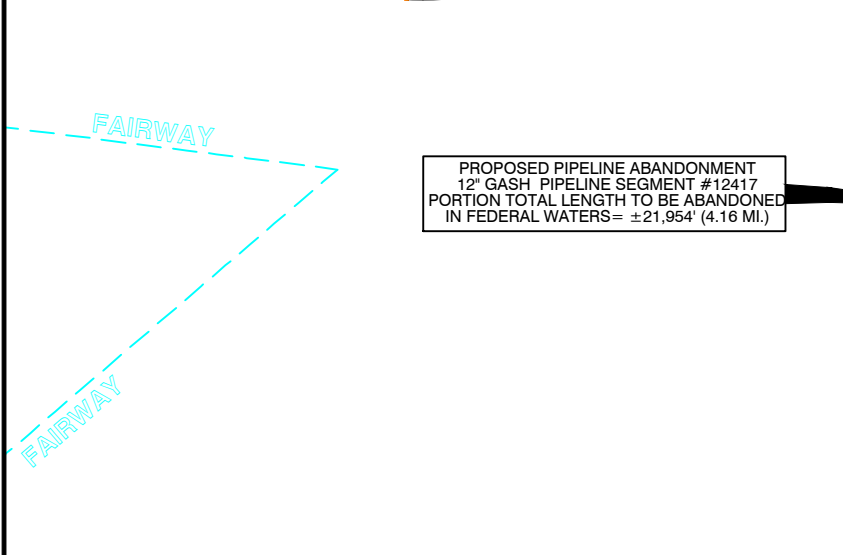
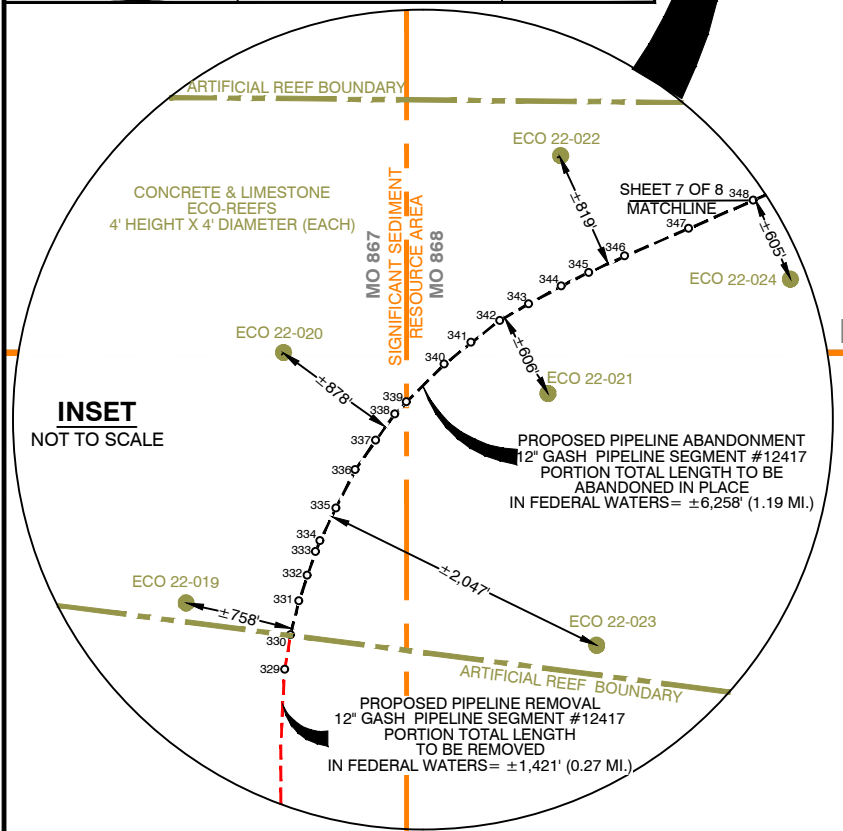
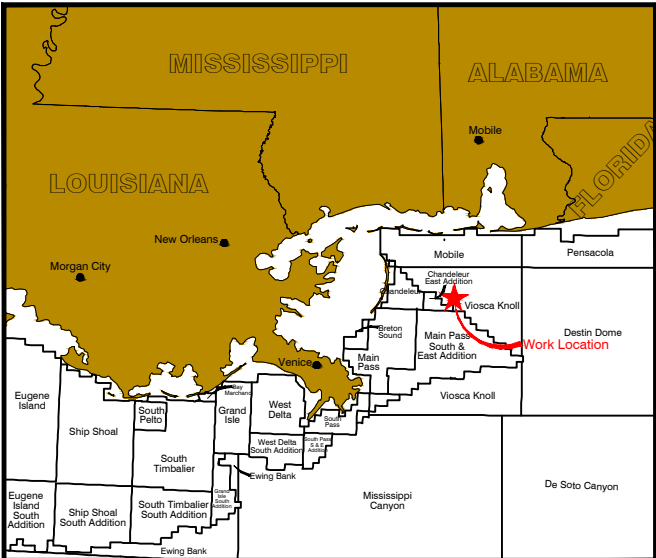
PROJECTION: UTM 16N ZONE
GEO. DATUM: NAD27 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

REVISION DESCRIPTION:

PROPOSED PARTIAL PIPELINE ABANDONMENT & REMOVAL

WILLIAMS COMPANIES

12" GASH PIPELINE SEGMENT NO. 12417
VIOSCA KNOLL BLOCK 251 "A" STRUCTURE TO
MOBILE BAY BLOCK 113 "A" STRUCTURE
OFFSHORE ALABAMA
GULF OF MEXICO



TIE	12" GASH PIPELINE SEG.# 12417 TO BE REMOVED (UTM16N NAD27)	
	X	Y
276	1,281,168'	10,909,988'
277	1,281,188'	10,910,482'
278	1,281,215'	10,910,966'
279	1,281,233'	10,911,453'
280 PLXING	1,281,259'	10,911,993'
281 FAIRWAY	1,281,266'	10,912,228'
TOTAL LENGTH: ±30,176 FT., 5.72 MI.		

LEGEND:

- EXISTING PIPELINES
- PORTION OF PIPELINE TO BE ABANDONED IN PLACE
- PORTION OF PIPELINE TO BE REMOVED

NOTE:

- NO FIELD WORK WAS PERFORMED BY T. BAKER SMITH, LLC TO PRODUCE THIS PLAT.
- THIS DRAWING MAY NOT REPRESENT ALL HAZARDS IN PROJECT AREA.

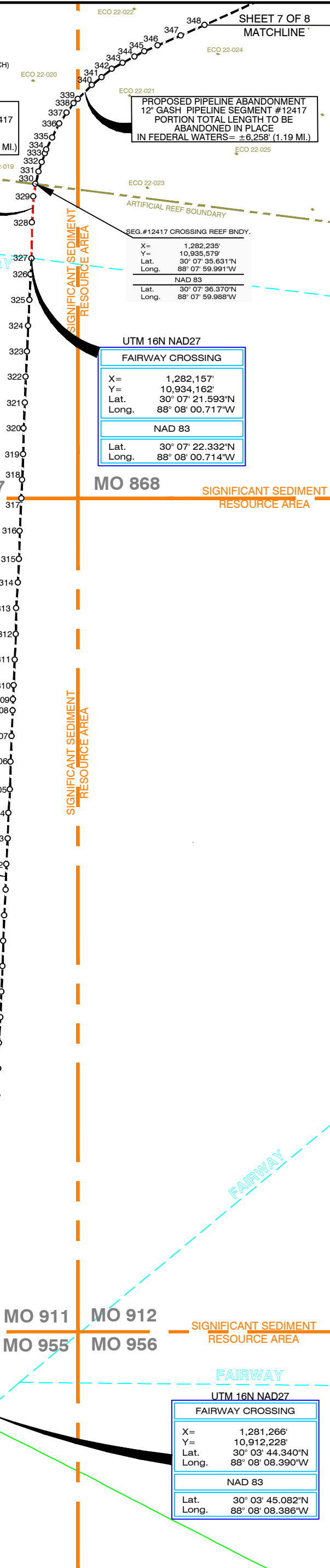
I CERTIFY THAT THIS PLAT REPRESENTS THE PROPOSED PIPELINE WORK FOR PERMIT ACQUISITION.



DAVID K. BURDEAUX, P.L.S.
PROFESSIONAL LAND SURVEYOR NO. 21169

SCALE: 1" = 2000'		
2000'	1000'	0'
T. BAKER SMITH SOLUTIONS START HERE 107 Global Circle, Lafayette, LA 70503 (337)735-2800 - tbsmith.com		
REV. NO:	REV. DATE:	REV. BY:

DRAWN BY:	MAM	APPROVED BY:	DKB
DATE:	10/27/2025	JOB NO:	2025.1592
DRAWING NAME:	251592_YK251-MO113_PL_Abn/Rem_S12417.DWG		
SHEET NO:	6	OF	8
PROJECTION:	UTM 16N ZONE		
GEO. DATUM:	NAD27 VERT. DATUM: NAVD88		
GRID UNITS:	US SURVEY FEET		
REVISION DESCRIPTION:			



TIE	12" GASH PIPELINE SEG.# 12417 TO BE ABANDONED (UTM16N NAD27)	
	X	Y
281 FAIRWAY	1,281,266'	10,912,228'
282	1,281,287'	10,912,916'
283	1,281,314'	10,913,397'
284 BLK LINE	1,281,328'	10,913,760'
285	1,281,359'	10,914,371'
286	1,281,361'	10,914,864'
287	1,281,388'	10,915,347'
288	1,281,409'	10,915,830'
289	1,281,418'	10,916,319'
290	1,281,440'	10,916,808'
291	1,281,467'	10,917,296'
292	1,281,479'	10,917,781'
293	1,281,502'	10,918,248'
294	1,281,523'	10,918,762'
295	1,281,538'	10,919,249'
296	1,281,563'	10,919,738'
297	1,281,584'	10,920,220'
298	1,281,608'	10,920,707'
299	1,281,620'	10,921,190'
300	1,281,639'	10,921,675'
301	1,281,664'	10,922,163'
302	1,281,678'	10,922,652'
303	1,281,702'	10,923,136'
304	1,281,720'	10,923,623'
305	1,281,748'	10,924,066'
306	1,281,760'	10,924,593'
307	1,281,778'	10,925,079'
308	1,281,801'	10,925,568'
309	1,281,803'	10,925,782'
310	1,281,816'	10,926,050'
311	1,281,837'	10,926,538'
312	1,281,861'	10,927,024'
313	1,281,865'	10,927,512'
314	1,281,898'	10,928,003'
315	1,281,922'	10,928,451'
316	1,281,935'	10,928,982'
317 BLK LINE	1,281,962'	10,929,600'
318	1,281,981'	10,929,954'
319	1,281,999'	10,930,442'
320	1,282,008'	10,930,937'
321	1,282,032'	10,931,419'
322	1,282,048'	10,931,911'
323	1,282,075'	10,932,393'
324	1,282,095'	10,932,883'
325	1,282,117'	10,933,375'
326	1,282,141'	10,933,863'
327 FAIRWAY	1,282,157'	10,934,162'
TOTAL LENGTH: ±21,954 FT., 4.16 MI.		

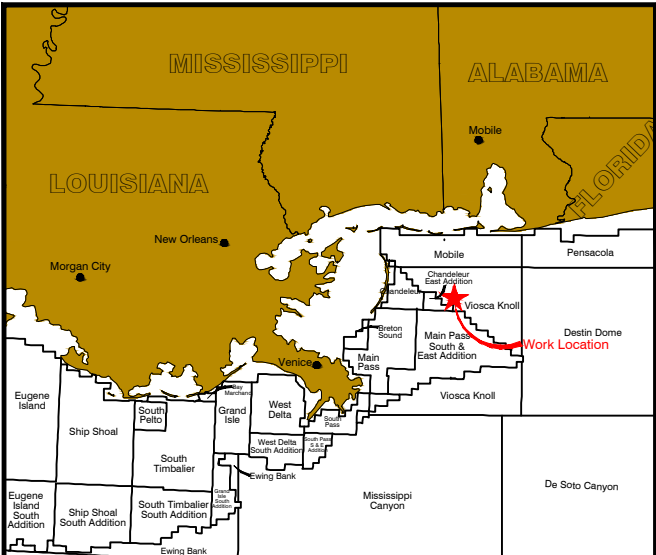
TIE	12" GASH PIPELINE SEG.# 12417 TO BE REMOVED (UTM16N NAD27)	
	X	Y
327 FAIRWAY	1,282,157'	10,934,162'
328	1,282,169'	10,934,844'
329	1,282,194'	10,935,339'
330 REEF CROSS	1,282,235'	10,935,579'
TOTAL LENGTH: ±1,421 FT., 0.27 MI.		

TIE	12" GASH PIPELINE SEG.# 12417 TO BE ABANDONED (UTM16N NAD27)	
	X	Y
330 REEF CROSS	1,282,235'	10,935,579'
331	1,282,292'	10,935,814'
332	1,282,353'	10,935,993'
333	1,282,411'	10,936,158'
334	1,282,440'	10,936,235'
335	1,282,550'	10,936,461'
336	1,282,684'	10,936,724'
337	1,282,828'	10,936,932'
338	1,282,960'	10,937,114'
339 BLK LINE	1,283,041'	10,937,196'
340	1,283,305'	10,937,458'
341	1,283,489'	10,937,609'
342	1,283,689'	10,937,764'
343	1,283,890'	10,937,879'
344	1,284,116'	10,938,001'
345	1,284,306'	10,938,096'
346	1,284,557'	10,938,209'
347	1,285,002'	10,938,402'
348	1,285,450'	10,938,598'

PROPOSED PARTIAL PIPELINE ABANDONMENT & REMOVAL

Williams

WILLIAMS COMPANIES
12" GASH PIPELINE SEGMENT NO. 12417
VIOSCA KNOLL BLOCK 251 "A" STRUCTURE TO
MOBILE BAY BLOCK 113 "A" STRUCTURE
OFFSHORE ALABAMA
GULF OF MEXICO



TIE	12" GASH PIPELINE SEG.# 12417 TO BE ABANDONED (UTM16N NAD27)	
	X	Y
340	1,283,305'	10,937,458'
341	1,283,489'	10,937,609'
342	1,283,689'	10,937,764'
343	1,283,890'	10,937,879'
344	1,284,116'	10,938,001'
345	1,284,306'	10,938,096'
346	1,284,557'	10,938,209'
347	1,285,002'	10,938,402'
348	1,285,450'	10,938,598'
349	1,285,897'	10,938,797'
350	1,286,343'	10,938,999'
351 REEF CROSS	1,286,927'	10,939,258'

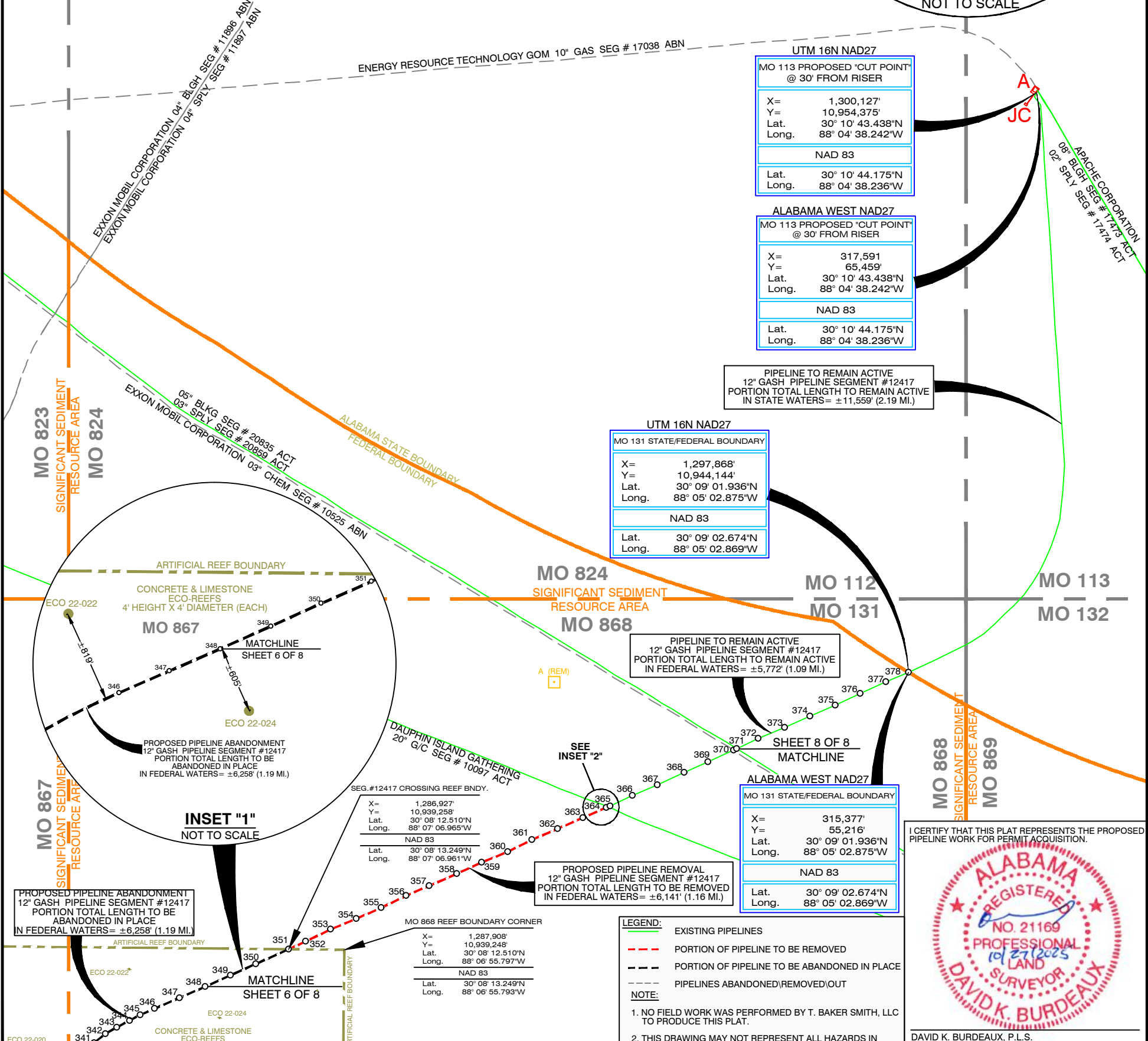
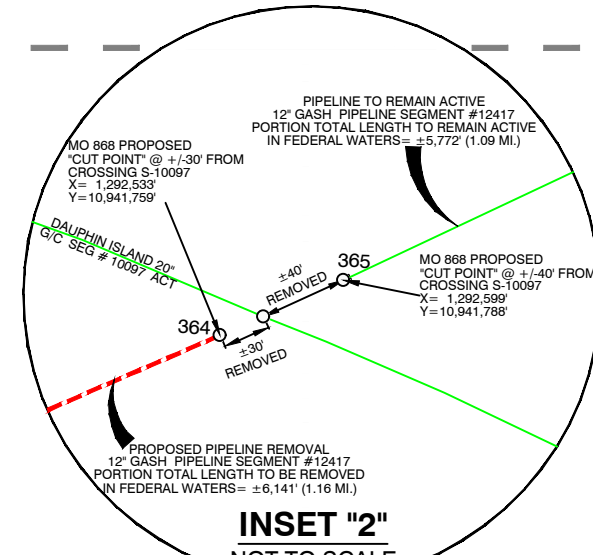
TOTAL LENGTH: ±6,258 FT., 1.19 MI.

TIE	12" GASH PIPELINE SEG.# 12417 TO BE REMOVED (UTM16N NAD27)	
	X	Y
351 REEF CROSS	1,286,927'	10,939,258'
352	1,287,225'	10,939,396'
353	1,287,668'	10,939,609'
354	1,288,118'	10,939,796'
355	1,288,561'	10,939,992'
356	1,288,998'	10,940,203'
357	1,289,409'	10,940,378'
358	1,289,895'	10,940,589'
359	1,290,334'	10,940,792'
360	1,290,789'	10,940,976'
361	1,291,222'	10,941,191'
362	1,291,674'	10,941,385'
363	1,292,117'	10,941,578'
364 PL XING	1,292,533'	10,941,759'

TOTAL LENGTH: ±6,141 FT., 1.16 MI.

TIE	12" GASH PIPELINE SEG.# 12417 TO REMAIN ACTIVE (UTM16N NAD27)	
	X	Y
365 CUT PT.	1,292,599'	10,941,788'
366	1,292,992'	10,941,973'
367	1,293,433'	10,942,160'
368	1,293,905'	10,942,381'
369	1,294,329'	10,942,568'
370 PL XING	1,294,781'	10,942,773'
371 PL XING	1,294,836'	10,942,800'
372	1,295,211'	10,942,976'
373	1,295,679'	10,943,172'
374	1,296,126'	10,943,368'
375	1,296,573'	10,943,567'
376	1,297,016'	10,943,771'
377	1,297,466'	10,943,975'
378 STATE/FED BNDY	1,297,868'	10,944,144'

TOTAL LENGTH: ±5,772 FT., 1.09 MI.



SCALE: 1" = 2000'

2000' 1000' 0' 2000'

TBS

T. BAKER SMITH SOLUTIONS START HERE

107 Global Circle, Lafayette, LA 70503

(337)735-2800 - tbsmith.com

REV. NO: -

REV. DATE: -

REV. BY: -

DRAWN BY:	MAM	APPROVED BY:	DKB
DATE:	10/27/2025	JOB NO:	2025.1592
DRAWING NAME:	251592_VK251-MO113_PL_Abn/Rem_S12417.DWG		
SHEET NO:	7	OF	8
PROJECTION:	UTM 16N ZONE		
GEO. DATUM:	NAD27 VERT. DATUM: NAVD88		
GRID UNITS:	US SURVEY FEET		
REVISION DESCRIPTION:			

PROPOSED PARTIAL PIPELINE ABANDONMENT & REMOVAL

Williams

WILLIAMS COMPANIES

12" GASH PIPELINE SEGMENT NO. 12417

VIOSCA KNOLL BLOCK 251 "A" STRUCTURE TO

MOBILE BAY BLOCK 113 "A" STRUCTURE

OFFSHORE ALABAMA

GULF OF MEXICO

I CERTIFY THAT THIS PLAT REPRESENTS THE PROPOSED PIPELINE WORK FOR PERMIT ACQUISITION.

ALABAMA REGISTERED

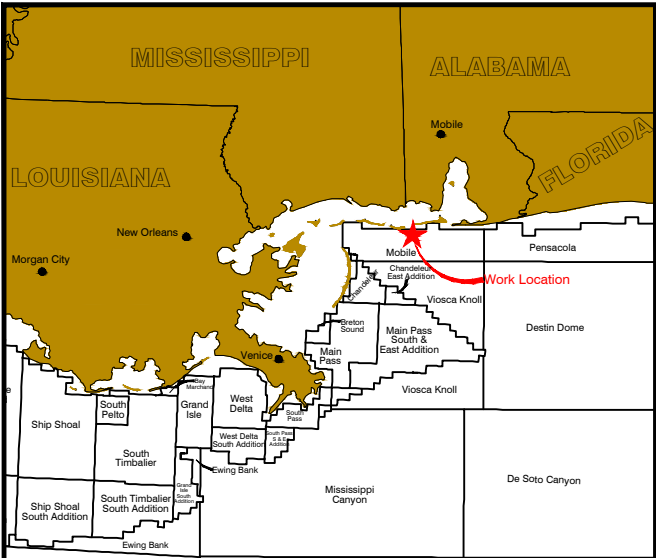
NO. 21169

PROFESSIONAL LAND SURVEYOR

10/27/2025

DAVID K. BURDEAUX

DAVID K. BURDEAUX, P.L.S.
PROFESSIONAL LAND SURVEYOR NO. 21169



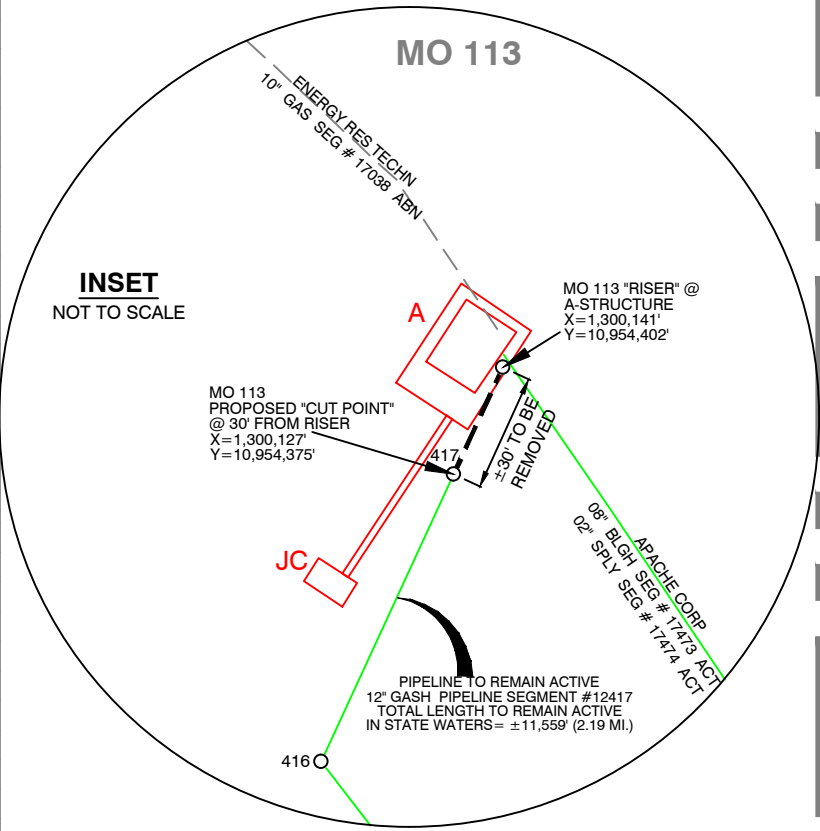
LEGEND:

- EXISTING PIPELINES
- 30' OF PIPE TO BE REMOVED
- PIPELINES ABANDONED/REMOVED/OUT

NOTE:

- NO FIELD WORK WAS PERFORMED BY T. BAKER SMITH, LLC TO PRODUCE THIS PLAT.
- THIS DRAWING MAY NOT REPRESENT ALL HAZARDS IN PROJECT AREA.

TIE	12" GASH PIPELINE SEG.# 12417 TO BE ABANDONED (UTM16N NAD27)	
	X	Y
378 STATE/FED BNDY	1,297,868'	10,944,144'
379	1,298,329'	10,944,355'
380 BLK LINE	1,298,880'	10,944,628'
381	1,298,972'	10,944,684'
382	1,299,194'	10,944,824'
383	1,299,386'	10,945,001'
384	1,299,570'	10,945,181'
385	1,299,718'	10,945,318'
386 BLK LINE	1,299,835'	10,945,440'
387	1,299,907'	10,945,518'
388	1,300,052'	10,945,721'
389	1,300,181'	10,945,931'
390	1,300,282'	10,946,135'
391	1,300,379'	10,946,365'
392	1,300,462'	10,946,592'
393	1,300,532'	10,946,831'
394	1,300,591'	10,947,324'
395	1,300,621'	10,947,802'
396	1,300,587'	10,948,286'
397	1,300,554'	10,948,775'
398	1,300,520'	10,949,263'
399	1,300,493'	10,949,704'
400	1,300,455'	10,950,196'
401	1,300,426'	10,950,672'
402	1,300,400'	10,951,163'
403	1,300,372'	10,951,654'
404	1,300,365'	10,951,733'
405	1,300,338'	10,952,127'
406	1,300,304'	10,952,615'
407	1,300,265'	10,953,099'
408	1,300,261'	10,953,181'
409	1,300,251'	10,953,380'
410	1,300,242'	10,953,580'
411	1,300,230'	10,953,730'
412	1,300,215'	10,953,929'
413 FLANGE	1,300,203'	10,954,089'
414 BEND	1,300,198'	10,954,152'
415 FLANGE	1,300,172'	10,954,189'
416 BEND	1,300,090'	10,954,303'
417 CUT PT	1,300,127'	10,954,375'
TOTAL LENGTH: ±11,559 FT., 2.19 MI.		



UTM 16N NAD27	
MO 113 "RISER" @ A-STRUCTURE	
X=	1,300,141'
Y=	10,954,402'
Lat.	30° 10' 43.704"N
Long.	88° 04' 38.090"W
NAD 83	
Lat.	30° 10' 44.441"N
Long.	88° 04' 38.084"W

ALABAMA WEST NAD27	
MO 113 "RISER" @ A-STRUCTURE	
X=	317,605'
Y=	65,486'
Lat.	30° 10' 43.704"N
Long.	88° 04' 38.090"W
NAD 83	
Lat.	30° 10' 44.441"N
Long.	88° 04' 38.084"W

UTM 16N NAD27	
MO 113 PROPOSED "CUT POINT" @ 30' FROM RISER	
X=	1,300,127'
Y=	10,954,375'
Lat.	30° 10' 43.438"N
Long.	88° 04' 38.242"W
NAD 83	
Lat.	30° 10' 44.175"N
Long.	88° 04' 38.236"W

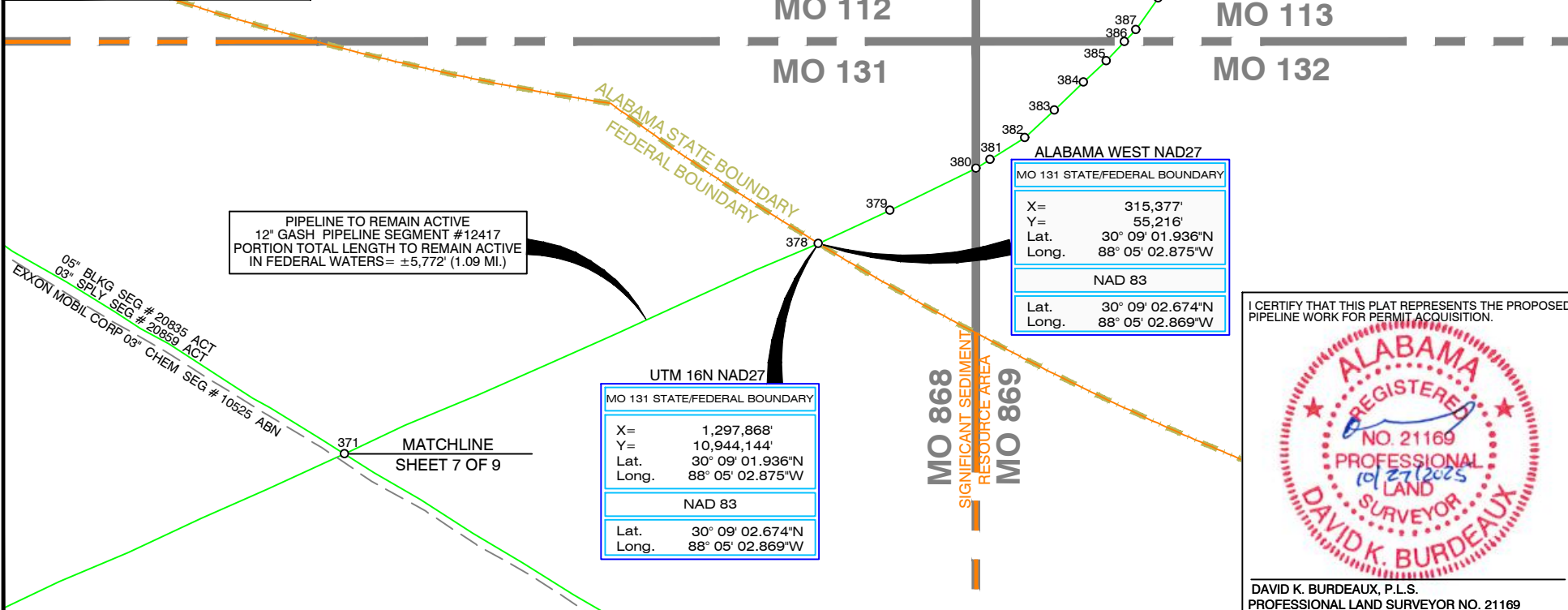
ALABAMA WEST NAD27	
MO 113 PROPOSED "CUT POINT" @ 30' FROM RISER	
X=	317,591'
Y=	65,459'
Lat.	30° 10' 43.438"N
Long.	88° 04' 38.242"W
NAD 83	
Lat.	30° 10' 44.175"N
Long.	88° 04' 38.236"W

PIPELINE TO REMAIN ACTIVE
12" GASH PIPELINE SEGMENT #12417
TOTAL LENGTH TO REMAIN ACTIVE
IN STATE WATERS= ±11,559' (2.19 MI.)

I CERTIFY THAT THIS PLAT REPRESENTS THE PROPOSED PIPELINE WORK FOR PERMIT ACQUISITION.



DAVID K. BURDEAUX, P.L.S.
PROFESSIONAL LAND SURVEYOR NO. 21169



SCALE: 1" = 1000'

1000' 500' 0' 1000'

T.B. BAKER SMITH
SOLUTIONS START HERE
107 Global Circle, Lafayette, LA 70503
(337)735-2800 - tbasmith.com

DRAWN BY: MAM

DATE: 10/27/2025

DRAWING NAME: 251592_VK251-MO113_COE_S12417.DWG

SHEET NO: 8 OF 8

PROJECTION: UTM 16N ZONE
GEO. DATUM: NAD27 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

APPROVED BY: DKB

JOB NO: 2025.1592

REVISION DESCRIPTION:

PROPOSED PARTIAL PIPELINE ABANDONMENT & REMOVAL

WILLIAMS COMPANIES

12" GASH PIPELINE SEGMENT NO. 12417

VIOSCA KNOLL BLOCK 251 "CUT POINT" @ A-STRUCTURE TO

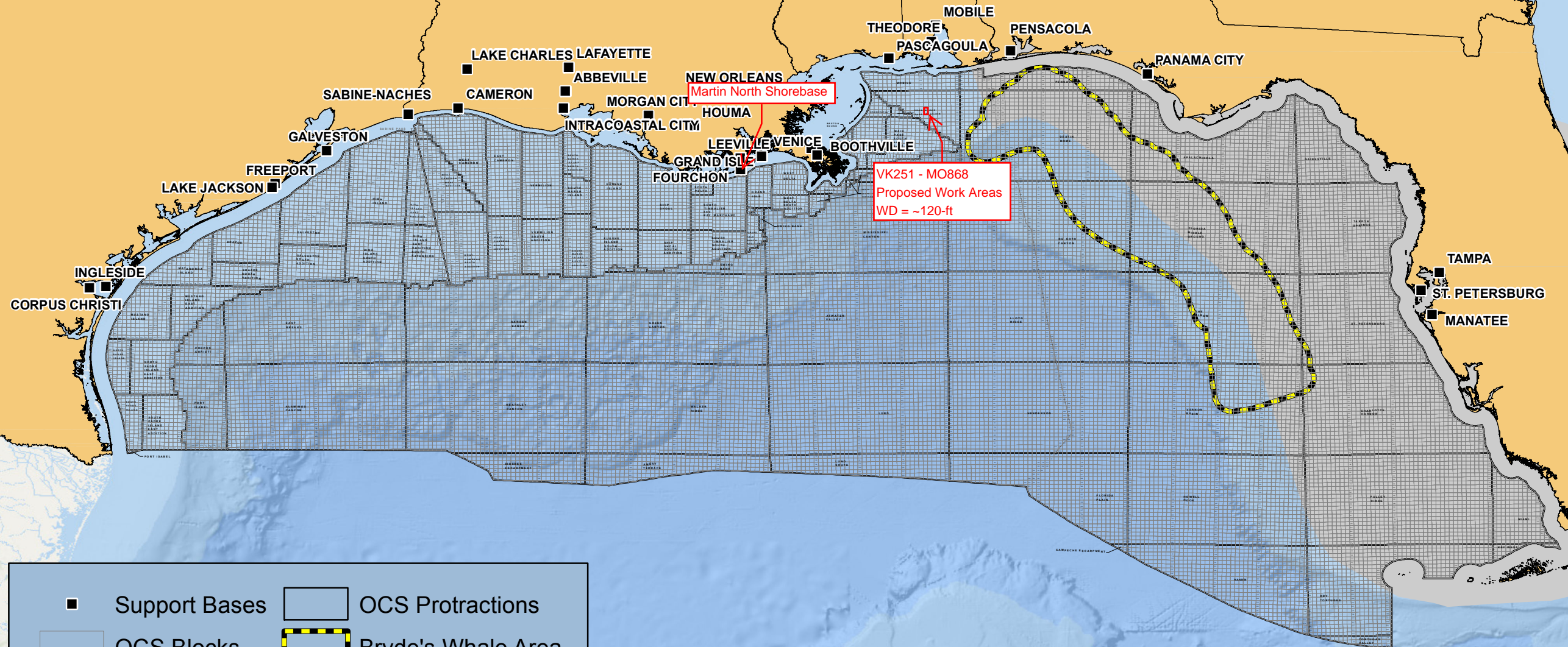
MOBILE BAY BLOCK 113 "CUT POINT" @ A-STRUCTURE

OFFSHORE ALABAMA

GULF OF MEXICO

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Bryde's Whale Area



- Support Bases
- OCS Protractions
- OCS Blocks
- ▤ Bryde's Whale Area

0 40 80 160 240 320 Miles



United States Department of the Interior
Bureau of Ocean Energy Management
Gulf of Mexico OCS Region

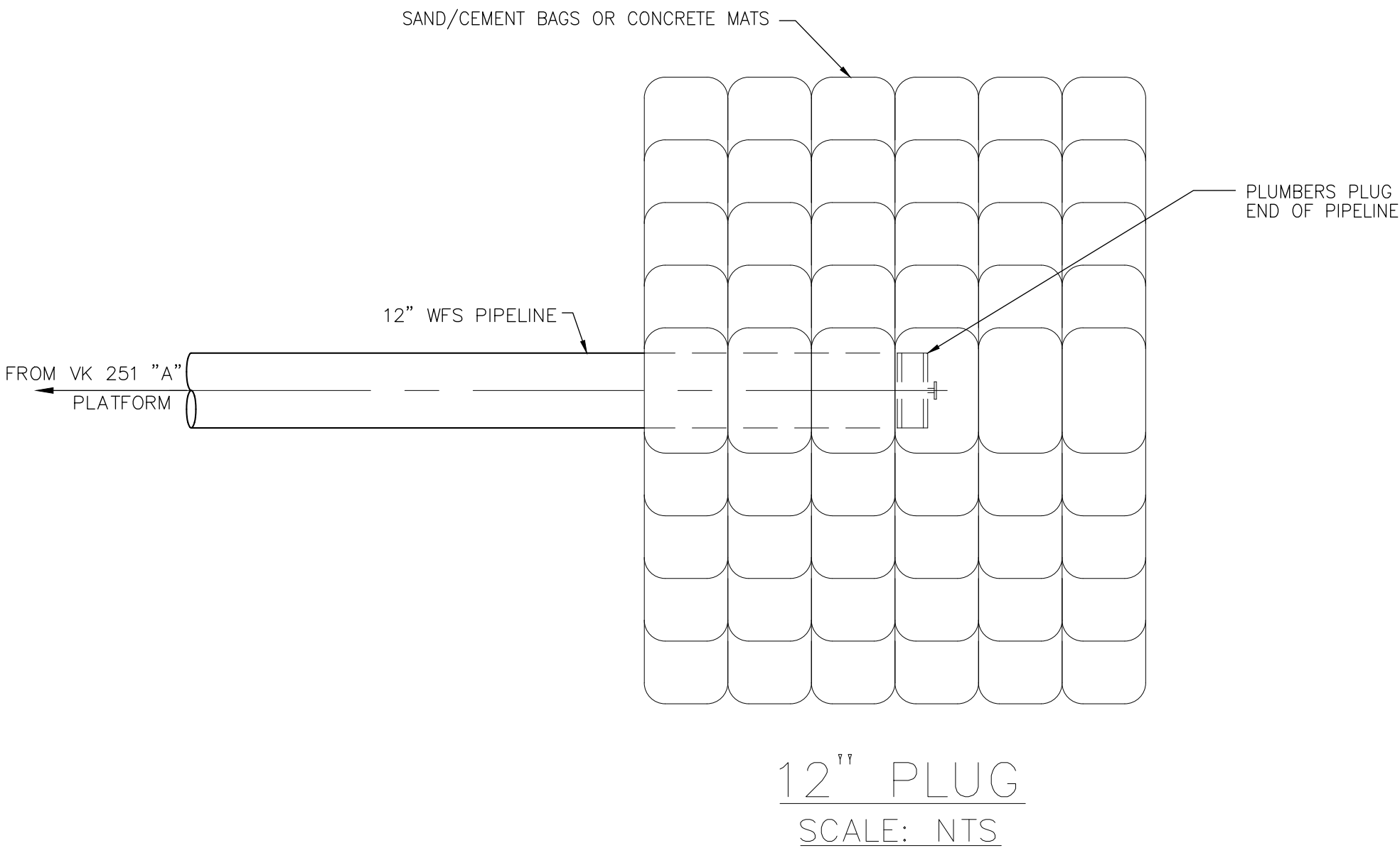


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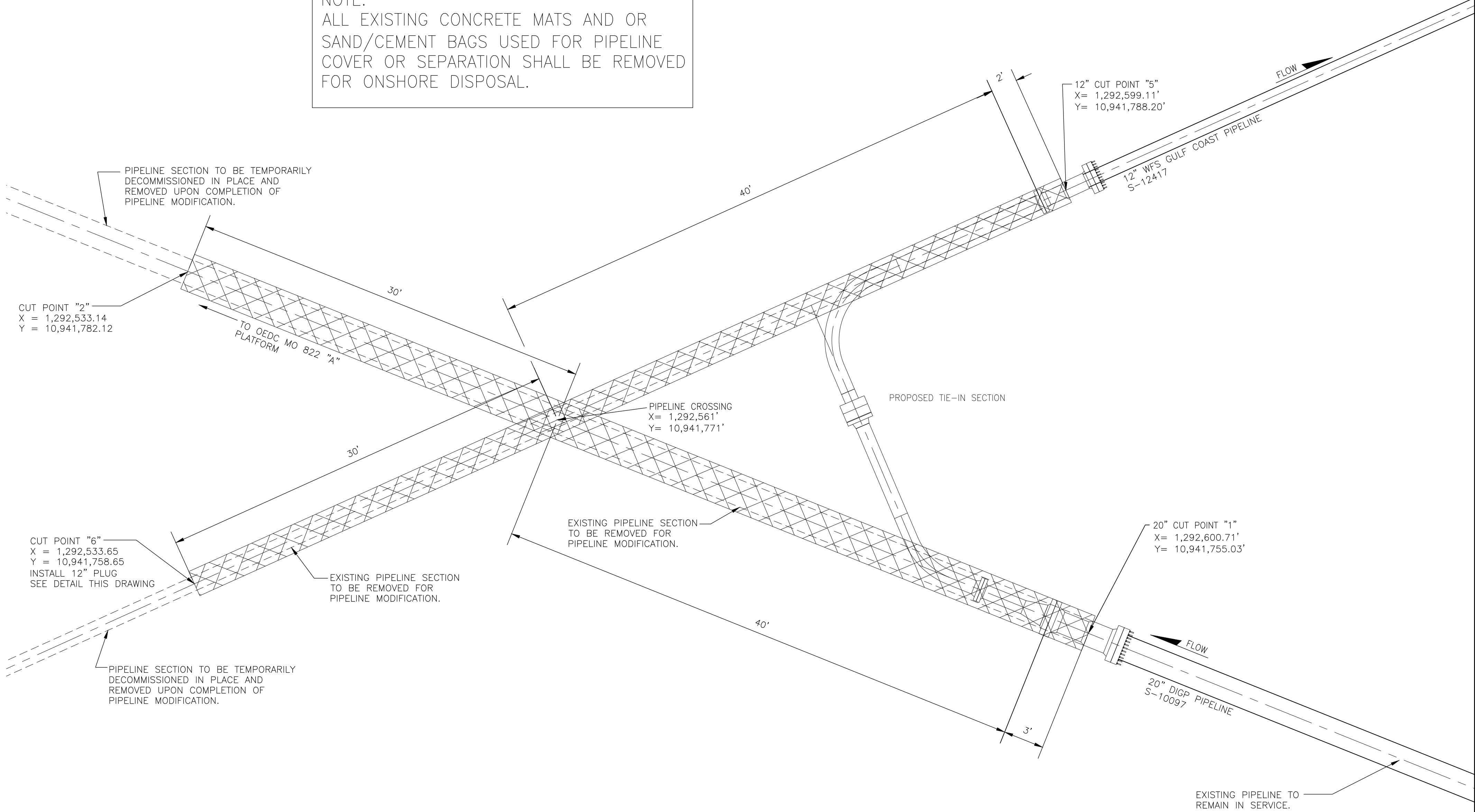
MOBILE AREA BLOCK 868



NOTE:
ALL EXISTING CONCRETE MATS AND OR
SAND/CEMENT BAGS USED FOR PIPELINE
COVER OR SEPARATION SHALL BE REMOVED
FOR ONSHORE DISPOSAL.



NOTE:
PLUG AND PIPELINE END COVER MAY NOT BE
REQUIRED IF PIPELINE REMOVAL IS DONE
CONCURRENTLY WITH PIPELINE MODIFICATION.



12” PIPELINE DECOMMISSIONING – SEG. 12417


PLAN
SCALE: 1” = 5’-0”

- GENERAL NOTES:
- SAND/CEMENT BAGS SHALL BE 1 PART CEMENT / 3 PARTS SAND.
 - SCALES DENOTED IN THIS DRAWING ARE BASED UPON AN ARCH D (36"x24") PAPER SIZE.
 - HORIZONTAL DATUM: UNIVERSAL TRANSVERSE MERCATOR (UTM) ZONE 16, U.S. FEET COORDINATES, NAD 27.

REFERENCE DRAWINGS

WILLIAMS FIELD SERVICES –
GULF COAST COMPANY, LLC.

A	11-14-25	ISSUED FOR PERMITTING	JSN	DPT	DPT	
NO.	DATE	DESCRIPTION	DRAWN	CHK'D	APPR'D	
REVISIONS						



PROJECT CONSULTING SERVICES, INC.
3300 WEST ESPLANADE AVE., S., SUITE 500
METAIRIE, LA 70002-7406
(504) 833-5321 Fax (504) 833-4940
www.projectconsulting.com

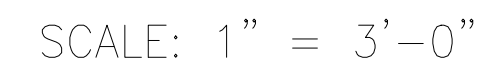
WILLIAMS FIELD SERVICES
PIPELINE DECOMMISSONING PLAN – SEG. 12417
MOBILE AREA BLOCK 868

DRAWN BY:	JSN	APPROVED BY:	DPT
SCALE:	AS NOTED	PROJ. ENGR.:	DPT
DATE:	9-9-25	PROJ. MGR.:	DPT
CHECKED BY:	DPT	SHEET:	1 OF 1

DWG. NO. 25069_12417-PER-001

REV. A

25069_12417-PER-001.DWG 02 JSN 08:18 11-14-25




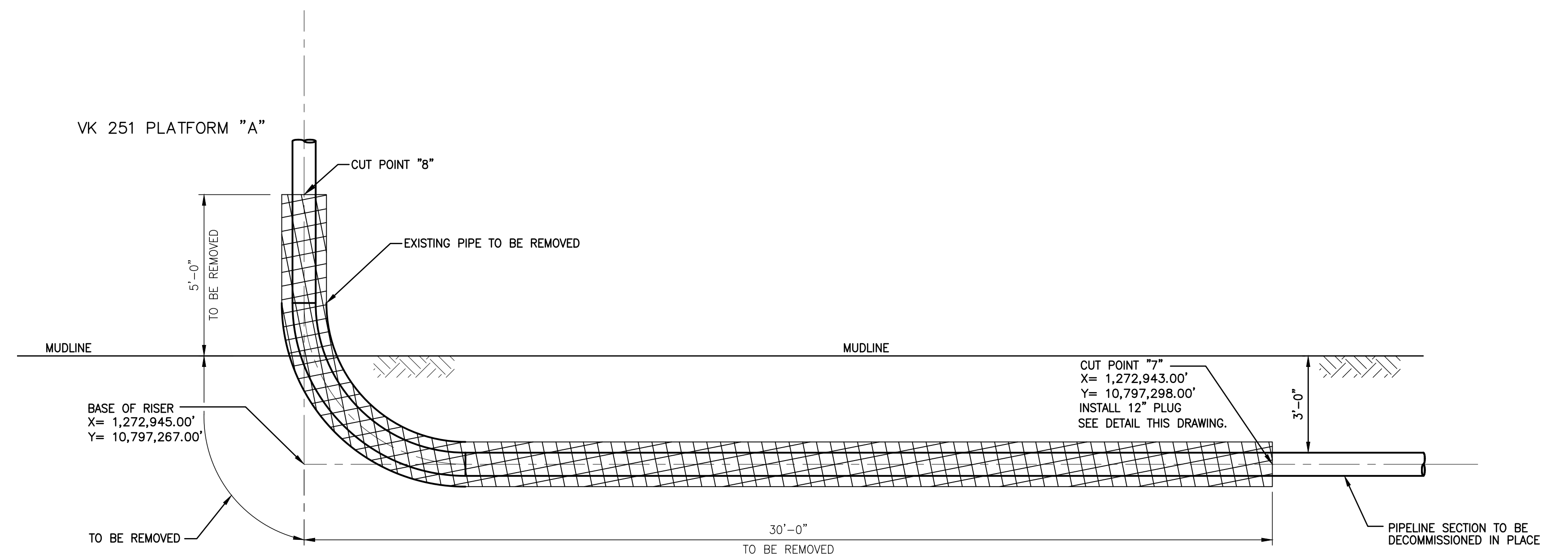
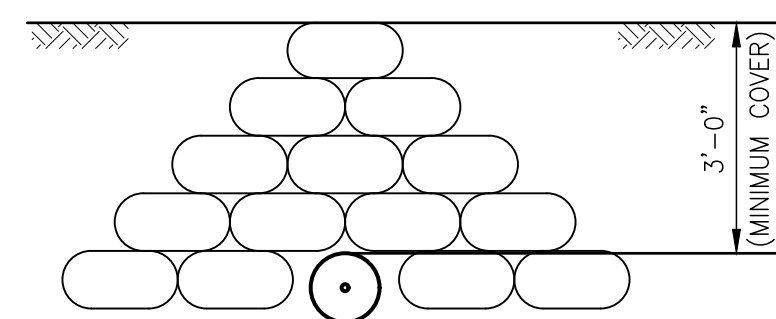
1. PIPING ASSEMBLY IS DESIGNED FOR A MAXIMUM OPERATING PRESSURE OF 1440 PSIG IN ACCORDANCE WITH 49 CFR, PART 192 AND ASME B31.8.
2. PIPING ASSEMBLY SHALL BE HYDROSTATICALLY TESTED AT A MINIMUM PRESSURE OF 2160 PSIG FOR A PERIOD OF 8 HOURS WITH NO PRESSURE LOSS; TEST DURATION CAN BE REDUCED TO A MINIMUM OF 4 HOURS IF THE PIPING IS VISUALLY INSPECTED FOR LEAKS DURING THE 4 HOUR PERIOD.
3. PIPING ASSEMBLY SHALL BE COATED IN ACCORDANCE WITH COMPANY SPECIFICATIONS.
4. SCALES DENOTED IN THIS DRAWING ARE BASED UPON AN ARCH D (36"x24") PAPER SIZE.
5. HORIZONTAL DATUM: UNIVERSAL TRANSVERSE MERCATOR (UTM) ZONE 16, U.S. FEET COORDINATES: NAD 27.

[illegible]

WILLIAMS FIELD SERVICES—
GULF COAST COMPANY, LLC

A	12-04-25	ISSUED FOR PERMITTING	JSN	DPT	DPT	
NO.	DATE	DESCRIPTION	DRAWN	CHK'D.	APPR'V'	
REVISIONS						

	PROJECT CONSULTING SERVICES, INC. 3300 WEST ESPLANADE AVE., S., SUITE 500 METAIRIE, LA 70002-7406 (504) 833-5321 Fax (504) 833-4940 www.projectconsulting.com	
	WILLIAMS FIELD SERVICES 12" PIPELINE TIE-IN TO SEG. 10097 MOBILE AREA BLOCK 868	
	DRAWN BY: JSN	APPROVED BY: DPT
	SCALE: AS NOTED	PROJ. ENGR.: DPT
DATE: 11-14-25		PROJ. MGR.: DPT
CHECKED BY: DPT	SHEET: 1 OF 1	
DWG. NO. 25069_12417-PER-002		




12" RISER — SEG. NO. 12417
ELEVATION
SCALE: 3/8" = 1'-0"

1. SAND/CEMENT BAGS SHALL BE 1 PART CEMENT / 3 PARTS SAND.
2. SCALES DENOTED IN THIS DRAWING ARE BASED UPON AN ARCH D (36"x24") PAPER SIZE.
3. HORIZONTAL DATUM: UNIVERSAL TRANSVERSE MERCATOR (UTM) ZONE 16, U.S. FEET COORDINATES, NAD 27.

REFERENCE DRAWINGS

WILLIAMS FIELD SERVICES –
GULF COAST COMPANY, LLC

A	11-12-25	ISSUED FOR PERMITTING	JSN	DPT	DPT
NO.	DATE	DESCRIPTION	DRAWN	CHK'D.	APPR'D
REVISIONS					

	PROJECT CONSULTING SERVICES, INC. 3300 WEST ESPLANADE AVE., S., SUITE 500 METairie, LA 70002-7406 (504) 833-5321 Fax (504) 833-4940 www.projectconsulting.com	
	WILLIAMS FIELD SERVICES	
	12" RISER DECOMMISSIONING – SEG. 12417 VIOSCA KNOLL AREA BLOCK 251	
	DRAWN BY: JSN	APPROVED BY: DPT
SCALE: AS NOTED	PROJ. ENGR.: DPT	
DATE: 11-12-25	PROJ. MGR.:	
CHECKED BY: DPT	SHEET: 1 OF 1	
DWG. NO. 25069_12417-PER-003		

MOBILE AREA BLOCK 868

12" CUT POINT "S"
X= 1,292,599.11'
Y= 10,941,788.20'

12" WFS GULF COAST PIPELINE
S=12417

PROPOSED PI
X= 1,292,580.00'
Y= 10,941,779.58'

8' X 20' X 9" THICK
CONCRETE MAT

THIS DWG.

8' X 10' X 9" THICK
CONCRETE MAT

PROPOSED PI
X= 1,292,588.49'
Y= 10,941,759.95'

20" CUT POINT "1"
X= 1,292,600.71'
Y= 10,941,755.03'

8' X 20' X 9" THICK
CONCRETE MAT

20" DGP PIPELINE
S=10097

S/N 12417
(OCS-G 21486)

S/N 10097
(OCS-G 14091)

MUDLINE

CONCRETE MATS

EDGES OF MATS
TO BE BURIED
BELOW MUDLINE

12"

SECTION

SCALE: 3/8" = 1'-0"

THIS DWG.

PIPELINE TIE-IN COVER DETAIL

PLAN

SCALE: 1" = 3'-0"


SCALE: $3/8" = 1'-0"$ THIS DWG.

SECTION A
SCALE: 3/8" = 1'-0" THIS DWG.

REFERENCE DRAWINGS

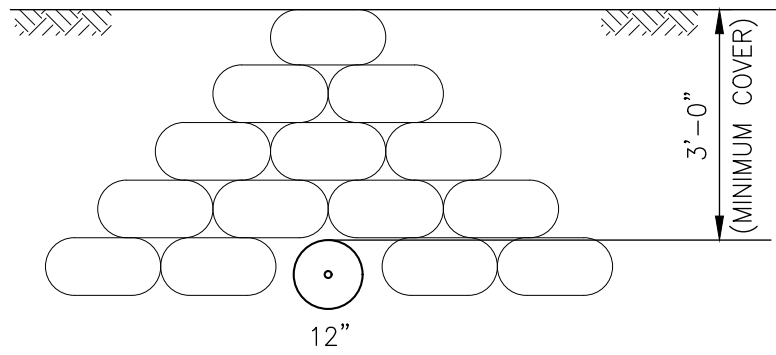
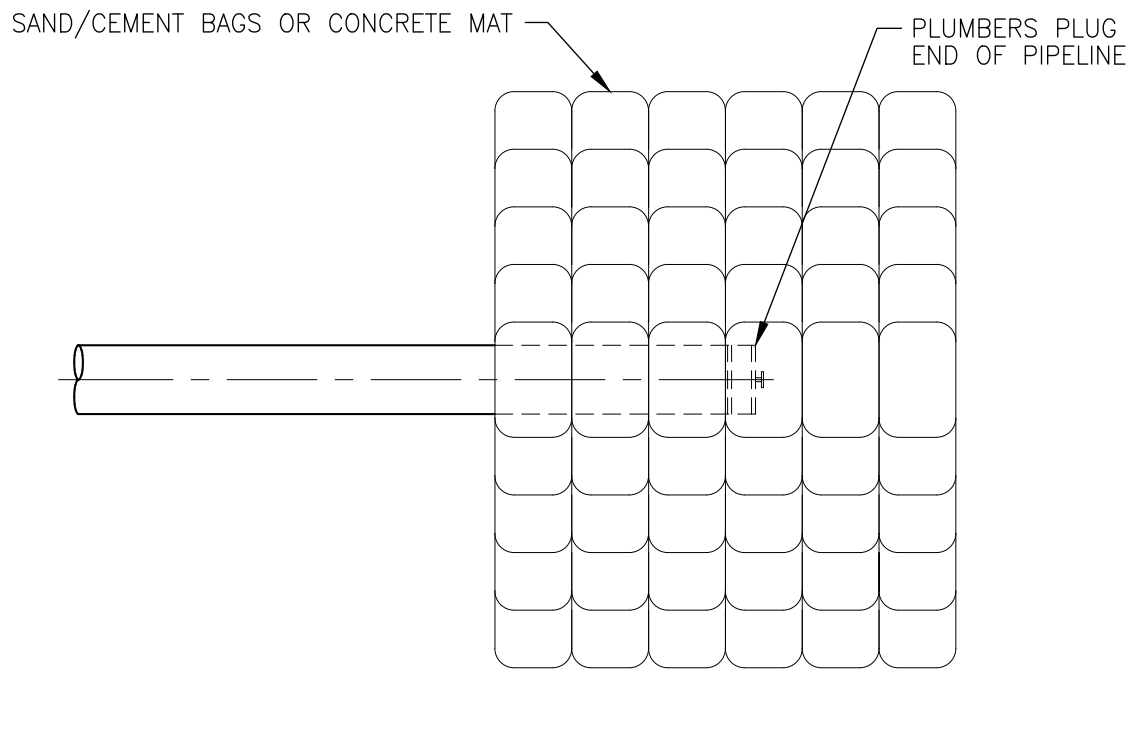
WILLIAMS FIELD SERVICES—
GULF COAST COMPANY, LLC.

A	11-14-25	ISSUED FOR PERMITTING				JSN	DPT	DPT	
NO.	DATE	DESCRIPTION				DRAWN	CHK'D.	APPR'V	
REVISIONS									

	PROJECT CONSULTING SERVICES, INC. 3300 WEST ESPLANADE AVE., S., SUITE 500 METAIRIE, LA 70002-7406 (504) 833-5321 Fax (504) 833-4940 www.projectconsulting.com	
	WILLIAMS FIELD SERVICES	
	12" PIPELINE TIE-IN COVER DETAIL SEG. 10097 MOBILE AREA BLOCK 868	
	DRAWN BY: JSN	APPROVED BY: DPT
SCALE: AS NOTED	PROJ. ENGR.: DPT	
DATE: 11-14-25	PROJ. MGR.: DPT	
CHECKED BY: DPT	SHEET: 1 OF 1	
DWG. NO. 25069_12417-PER-004		

TIE NO.	BLOCK	X	Y	LAT.	LONG.
1	VK 251	1,272,943'	10,797,298'	29° 44' 45.587" N	88° 09' 29.928" W
217	VK 31/ MO999	1,280,040'	10,882,080'	29° 58' 45.724" N	88° 08' 18.927" W
281	MO 955	1,281,266'	10,912,228'	30° 03' 44.340" N	88° 08' 08.390" W
327	MO 867	1,282,157'	10,934,162'	30° 07' 21.593" N	88° 08' 00.717" W
330	MO 867	1,282,325'	10,935,579'	30° 07' 35.631" N	88° 07' 59.991" W

NOTE: THIS DRAWING REPRESENTS THE PIPELINE POINT LOCATIONS TO BE PLUGGED AND COVERED FOR SECTIONS TO BE DECOMMISSIONED IN PLACE. REFER TO T. BAKER SMITH DRAWING 251592_VK251-M0113_PL_ABN/REM_S12417.DWG FOR LOCATION DETAILS.




12” PIPELINE END
PLUG DETAIL
SCALE: NTS

- GENERAL NOTES:
- SAND/CEMENT BAGS SHALL BE 1 PART CEMENT / 3 PARTS SAND.
 - SCALES DENOTED IN THIS DRAWING ARE BASED UPON AN ARCH D (36”X24”) PAPER SIZE.
 - HORIZONTAL DATUM: UNIVERSAL TRANSVERSE MERCATOR (UTM) ZONE 16, U.S. FEET COORDINATES; NAD 27

REFERENCE DRAWINGS			

WILLIAMS FIELD SERVICES—
GULF COAST COMPANY, LLC

A	11-18-25	ISSUED FOR PERMITTING	JSN	DPT	DPT
NO.	DATE	DESCRIPTION	DRAWN	CHK'D	APPR'V'D
REVISIONS					



PROJECT CONSULTING SERVICES, INC.

3300 WEST ESPLANADE AVE., S., SUITE 500
METAIRIE, LA 70002-7406
(504) 833-5321 Fax (504) 833-4940
www.projectconsulting.com

WILLIAMS FIELD SERVICES

12” DECOMMISSIONING/REMOVAL—SEG. 12417
VK 251 TO MO 868

DRAWN BY:	JSN	APPROVED BY:	DPT
SCALE:	AS NOTED	PROJ. ENGR.:	DPT
DATE:	11-13-25	PROJ. MGR.:	
CHECKED BY:	DPT	SHEET:	1 OF 1

DWG. NO.

25069_12417-PER-005

REV.

A

25069_12417-PER-005.DWG 16:30 1 JSN 11-18-25

PIPE SPECIFICATIONS & GENERAL INFORMATION

EXISTING LINE PIPE SPECIFICATIONS: FROM: VK BLOCK 251 "A" PLATFORM TO MB BLOCK 113 "A" PLATFORM

1)

<u>O.D.</u>	<u>W.T.</u>	<u>GRADE</u>	<u>LENGTH</u>	<u>MAOP</u>
12.75"	0.500"	X 52	169,783	2,160 PSIG

PROPOSED LINE PIPE SPECIFICATIONS: FROM PROPOSED SUBSEA CONNECTION IN MO BLOCK 868 TO PROPOSED SUBSEA CONNECTION IN MO BLOCK 868

2)

<u>O.D.</u>	<u>W.T.</u>	<u>GRADE</u>	<u>LENGTH</u>	<u>MAOP</u>
12.75"	0.500"	X 52	56	1,440 PSIG

4) **PROPOSED LINE PIPE COATING:** 12 - 14 MILS THIN FILM FUSION BONDED EPOXY
NO CONCRETE WEIGHT COATING.

5) **NAME OF PRODUCT:** NATURAL GAS

6) **GOVERNING CODE:** TITLE 30, PART 250, SUBPART J AND TITLE 49, PART 192 OF
THE CODE OF FEDERAL REGULATIONS.

7) GRID PROJECTION BASED UPON UNIVERSAL TRANSVERSE MERCATOR (UTM) COORDINATE
SYSTEM, ZONE 16, GEODETIC: NAD 1927.

8) THE MAOP OF THE PROPOSED MODIFIED PIPELINE IS 1,440 PSIG, BASED UPON THE
REQUIREMENTS OF TITLE 30, PART 250, SUBPART J AND TITLE 49, PART 192 OF THE CODE OF
FEDERAL REGULATIONS.

9) THE PROPOSED PIPELINE MODIFICATIONS WILL BE IN WATER DEPTHS LESS THAN
200 FEET AND WILL BE BURIED.

10) **PRESSURE TESTING**

NEW FABRICATED SECTION
2,160 PSIG FOR 8 HOURS (HYDROTEST)
OR 4 HOUR IF TESTED ONSHORE

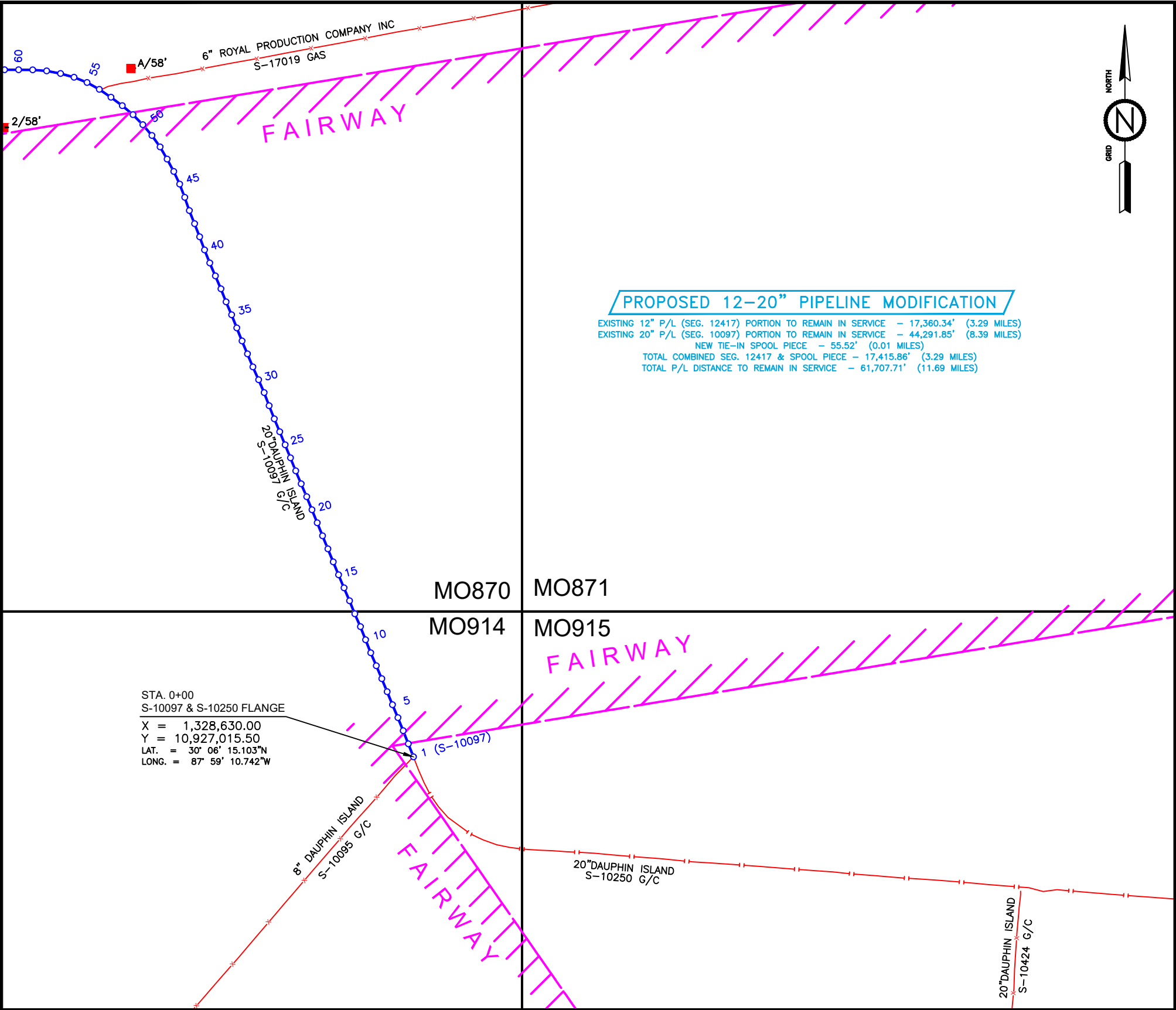
EXISTING PIPELINE SECTIONS
N/A

MODIFICATION OF WILLIAMS FIELD SERVICES - GULF COAST COMPANY LLC 12.75-INCH O.D. NATURAL GAS RIGHT-OF-WAY PIPELINE, OCS-G 21486, SEGMENT NO. 12417, GULF OF AMERICA, FEDERAL WATERS, OFFSHORE ALABAMA

APPLICATION BY:

**WILLIAMS FIELD SERVICES -
GULF COAST COMPANY LLC**

SHEET 1	OF 1	12/05/25
DWG.	NO.	PS-2



Segment No. 10097 Pipeline Modification Coordinates							
Number	X Coordinate	Y Coordinate	Description	Number	X Coordinate	Y Coordinate	Description
1	1,328,630.00	10,927,015.50	S-10250 & 10097 FLANGE	31	1,325,775.00	10,933,949.70	
2	1,328,538.70	10,927,248.20		32	1,325,678.50	10,934,180.30	
3	1,328,446.90	10,927,480.80		33	1,325,582.50	10,934,411.10	
4	1,328,353.70	10,927,712.70		34	1,325,489.20	10,934,643.00	
5	1,328,256.80	10,927,943.20		35	1,325,397.30	10,934,875.50	
6	1,328,162.00	10,928,174.50		36	1,325,298.40	10,935,105.10	
7	1,328,066.30	10,928,405.50		37	1,325,207.50	10,935,338.00	
8	1,327,969.40	10,928,635.90		38	1,325,108.50	10,935,567.50	
9	1,327,870.30	10,928,865.40		39	1,325,009.30	10,935,797.00	
10	1,327,778.80	10,929,098.10		40	1,324,916.50	10,936,029.10	
11	1,327,687.10	10,929,330.70		41	1,324,828.70	10,936,263.10	
12	1,327,586.40	10,929,559.50		42	1,324,738.20	10,936,496.20	
13	1,327,493.50	10,929,791.60		43	1,324,645.70	10,936,728.40	
14	1,327,395.00	10,930,021.30		44	1,324,553.40	10,936,964.40	
15	1,327,298.40	10,930,251.90		45	1,324,474.80	10,937,198.10	
16	1,327,203.60	10,930,483.20		46	1,324,369.10	10,937,424.60	
17	1,327,108.40	10,930,714.40		47	1,324,250.40	10,937,644.60	
18	1,327,013.50	10,930,945.60		48	1,324,126.00	10,937,861.30	
19	1,326,919.60	10,931,177.40		49	1,323,980.20	10,938,064.00	
20	1,326,825.70	10,931,409.00		50	1,323,819.00	10,938,255.10	
21	1,326,731.70	10,931,640.70		51	1,323,644.60	10,938,433.70	
22	1,326,633.30	10,931,870.50		52	1,323,453.30	10,938,594.60	
23	1,326,536.40	10,932,100.90		53	1,323,252.50	10,938,743.30	
24	1,326,443.20	10,932,332.80		54	1,323,046.00	10,938,883.90	
25	1,326,348.20	10,932,564.10		55	1,322,828.00	10,939,006.00	
26	1,326,252.70	10,932,795.10		56	1,322,595.90	10,939,098.40	
27	1,326,156.10	10,933,025.70		57	1,322,355.30	10,939,164.90	
28	1,326,064.70	10,933,258.30		58	1,322,110.00	10,939,212.20	
29	1,325,975.50	10,933,491.70		59	1,321,860.80	10,939,230.00	
30	1,325,876.50	10,933,721.20		60	1,321,610.80	10,939,231.70	

THIS IS TO CERTIFY THAT THIS PLAT WAS PREPARED BASED ON ACCEPTED INDUSTRY STANDARDS TO THE BEST OF MY KNOWLEDGE.

STATE OF LOUISIANA

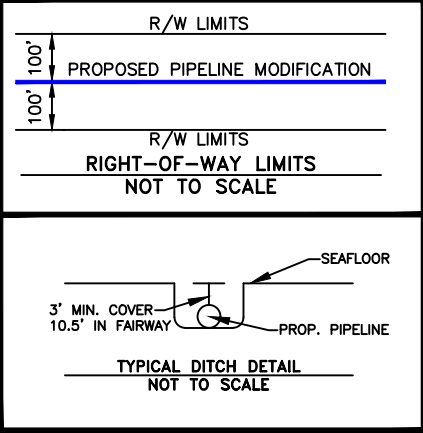
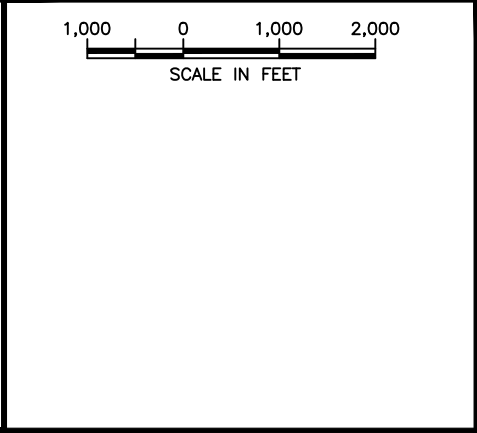
CURTIS M. CHANEY

REG. No. 4629

REGISTERED PROFESSIONAL LAND SURVEYOR

12/5/2025

REG. PROFESSIONAL LAND SURVEYOR NO. 4829 STATE OF LOUISIANA



Williams Field Services- Gulf Coast Company LLC

PROPOSED 12"-20" PIPELINE MODIFICATION (S-10097, & 12417) FLANGE BLOCK 914 TO F/S BLOCK 868, MOBILE AREA GULF OF AMERICA

DATUM: NAD 27PROJECTION: U.T.M.

SPHEROID: CLARKE 1866ZONE: 16

Echo

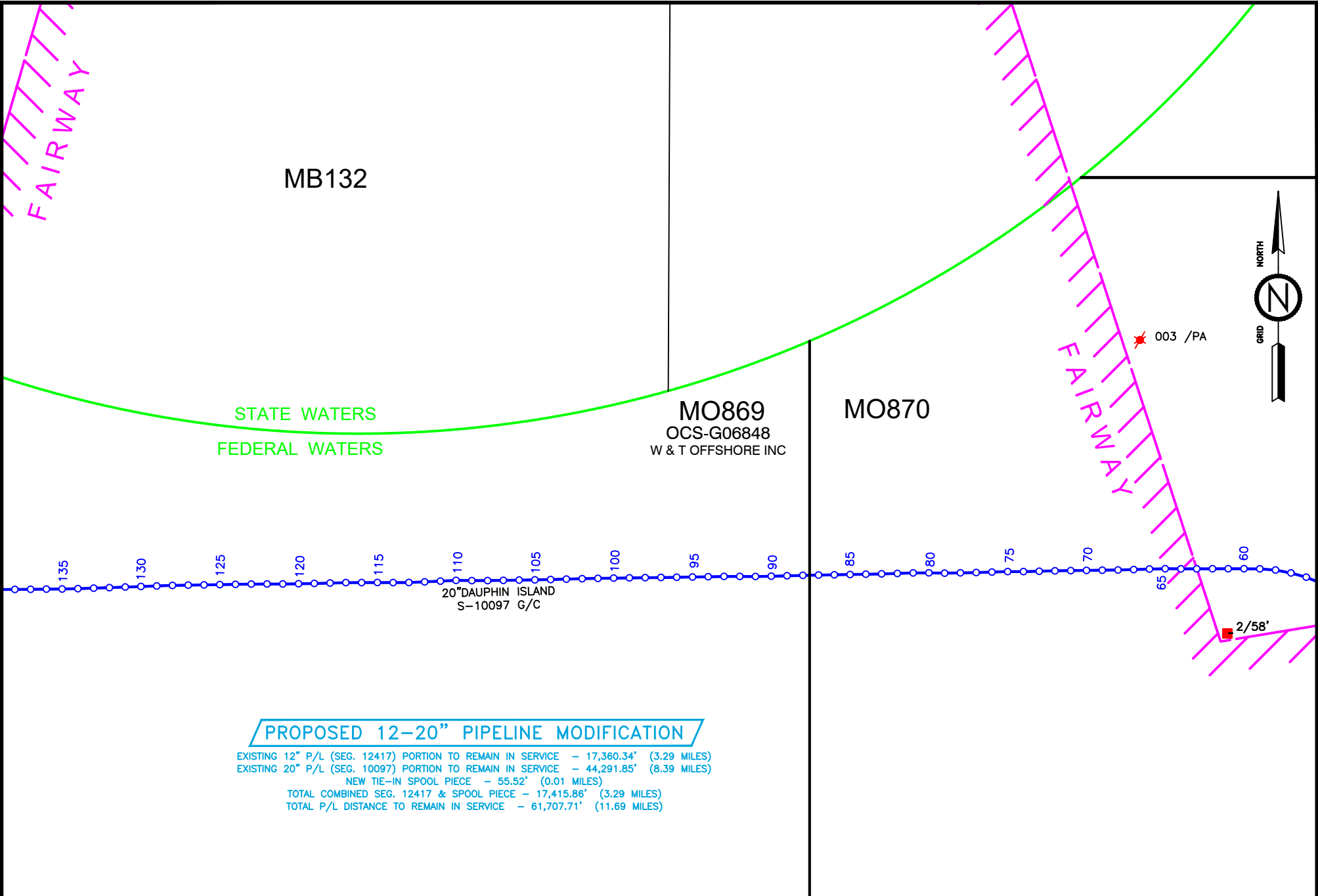
36499 Perkins Road
Prairieville, Louisiana 70769
Tel: 225-673-2163

LOUISIANA LAND SURVEYING

225-753-5263 (LAND)
info@lalandsurvey.com

DRAWN BY: MVTDATE: 11/10/2025JOB No.: 25-063DWG No.: 25-063-MOD_REV2_WILLIAMS

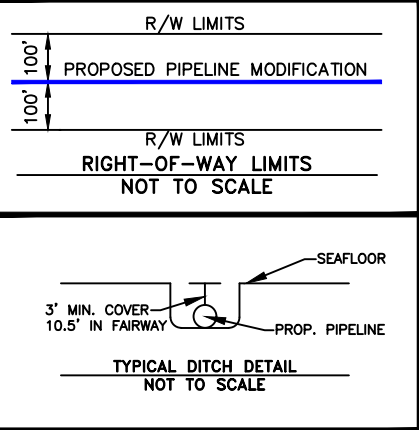
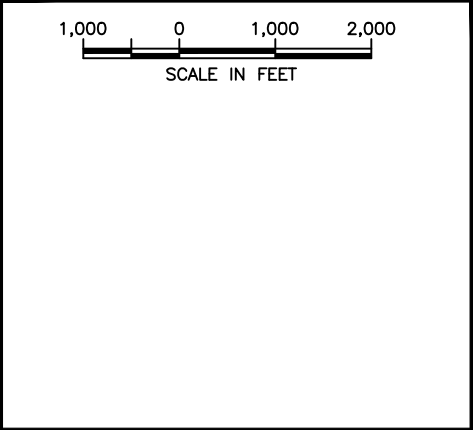
REV. No.: 2REV. DATE: 12/5/25SCALE: 1"=2,000'SHEET 2 OF 4



Segment No. 10097 Pipeline Modification Coordinates							
Number	X Coordinate	Y Coordinate	Description	Number	X Coordinate	Y Coordinate	Description
60	1,321,610.80	10,939,231.70		98	1,312,112.80	10,939,090.00	
61	1,321,360.80	10,939,232.30		99	1,311,862.80	10,939,086.90	
62	1,321,110.80	10,939,231.40		100	1,311,612.80	10,939,083.80	
63	1,320,860.80	10,939,230.50		101	1,311,362.90	10,939,079.00	
64	1,320,610.80	10,939,231.00		102	1,311,112.90	10,939,074.30	
65	1,320,360.80	10,939,232.40		103	1,310,863.00	10,939,067.70	
66	1,320,110.90	10,939,226.50		104	1,310,613.10	10,939,061.10	
67	1,319,861.00	10,939,219.40		105	1,310,363.20	10,939,056.10	
68	1,319,611.10	10,939,212.70		106	1,310,113.20	10,939,051.40	
69	1,319,361.20	10,939,209.20		107	1,309,863.20	10,939,047.60	
70	1,319,111.20	10,939,205.80		108	1,309,613.20	10,939,044.30	
71	1,318,861.20	10,939,202.30		109	1,309,363.30	10,939,044.30	
72	1,318,611.20	10,939,198.90		110	1,309,113.30	10,939,047.40	
73	1,318,361.30	10,939,192.60		111	1,308,863.60	10,939,036.00	
74	1,318,111.40	10,939,186.50		112	1,308,613.80	10,939,024.50	
75	1,317,861.40	10,939,187.80		113	1,308,364.10	10,939,013.10	
76	1,317,611.60	10,939,179.40		114	1,308,114.10	10,939,012.30	
77	1,317,361.70	10,939,172.10		115	1,307,864.10	10,939,013.20	
78	1,317,111.70	10,939,166.90		116	1,307,614.10	10,939,012.80	
79	1,316,861.80	10,939,162.20		117	1,307,364.10	10,939,011.40	
80	1,316,611.80	10,939,166.60		118	1,307,114.20	10,939,004.70	
81	1,316,361.90	10,939,166.00		119	1,306,864.30	10,938,998.60	
82	1,316,112.00	10,939,157.90		120	1,306,614.40	10,938,993.30	
83	1,315,862.20	10,939,149.80		121	1,306,364.40	10,938,990.20	
84	1,315,612.20	10,939,145.10		122	1,306,114.40	10,938,990.30	
85	1,315,362.20	10,939,140.50		123	1,305,864.40	10,938,988.50	
86	1,315,112.30	10,939,136.10		124	1,305,614.50	10,938,984.40	
87	1,314,862.30	10,939,131.70		125	1,305,364.50	10,938,980.20	
88	1,314,612.40	10,939,127.00		126	1,305,114.50	10,938,976.10	
89	1,314,362.50	10,939,120.30		127	1,304,864.60	10,938,971.90	
90	1,314,112.50	10,939,113.50		128	1,304,614.60	10,938,967.60	
91	1,313,862.60	10,939,108.70		129	1,304,364.80	10,938,958.90	
92	1,313,612.60	10,939,109.80		130	1,304,114.90	10,938,950.20	
93	1,313,362.60	10,939,110.10		131	1,303,865.10	10,938,941.50	
94	1,313,112.70	10,939,105.30		132	1,303,615.20	10,938,932.90	
95	1,312,862.70	10,939,100.50		133	1,303,365.40	10,938,924.20	
96	1,312,612.80	10,939,096.80		134	1,303,115.50	10,938,915.90	
97	1,312,362.80	10,939,093.10		135	1,302,865.60	10,938,910.80	

THIS IS TO CERTIFY THAT THIS PLAT WAS PREPARED BASED ON ACCEPTED INDUSTRY STANDARDS TO THE BEST OF MY KNOWLEDGE.

REG. PROFESSIONAL LAND SURVEYOR NO. 4829
STATE OF LOUISIANA



Williams Field Services- Gulf Coast Company LLC

PROPOSED 12"-20" PIPELINE MODIFICATION
(S-10097, & 12417)
FLANGE BLOCK 914 TO F/S BLOCK 868, MOBILE AREA
GULF OF AMERICA

DATUM: NAD 27 PROJECTION: U.T.M.

SPHEROID: CLARKE 1866 ZONE: 16

Echo OFFSHORE LLC 36499 Perkins Road
Prairieville, Louisiana 70769
Tel: 225-673-2163 **LOUISIANA LAND SURVEYING**
225-753-5263 (LAND)
info@lalandsurvey.com

DRAWN BY: MVT DATE: 11/10/2025 JOB No.: 25-063 DWG No.: 25-063-MOD_REV2_WILLIAMS
REV. No.: 2 REV. DATE: 12/5/25 SCALE: 1"=2,000' **SHEET 3 OF 4**



Your payment has been submitted to Pay.gov and the details are below. If you have any questions regarding this payment, please contact BSEE Pipeline at 504-731-6701 or pipelines@bsee.gov.

Application Name: BSEE Pipeline ROW Modification Application - BY- HCP

Pay.gov Tracking ID: 27TKP7FB

Agency Tracking ID: 77230587470

Transaction Type: Sale

Transaction Date: 12/04/2025 12:05:52 PMEST

Account Holder Name: Cathy Thornton

Transaction Amount: \$4,849.00

Card Type: MasterCard

Card Number: *****2635

Region: Gulf of America

Contact Name: Cathy Thornton

Phone Number: (713) 215-4235

Email Address: cathy.thornton@williams.com

Row Holder or Applicant Name: Williams Field Services - Gulf Coast Company LLC

Company Number: 02385

Right of Way Number: G21486

Originating Area/Block: VK251

Terminating Area/Block: MO868

Pipeline Segment Number(s): 12417

THIS IS AN AUTOMATED MESSAGE. PLEASE DO NOT REPLY.



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WILLIAMS FIELD SERVICES –
GULF COAST COMPANY, LLC
2800 Post Oak Boulevard – Level 7
Houston, TX 77056
P.O. Box 1396
Houston, TX 77251-1396

December 10, 2025

Mr. Ortho Barnes
Regional Supervisor
Office of Field Operations
U.S. Department of the Interior
Bureau of Safety and Environmental Enforcement
1201 Elmwood Park Boulevard
New Orleans, Louisiana 70123-2394

Attention: Ms. Angie Gobert

Subject: Application for Modification to Right-of-Way No. OCS-G21486, Segment No. 12417, 12.75-inch GASH Pipeline Installed from the Viosca Knoll Block 251 A Platform to the Federal/State Line in Mobile Block 868, Offshore Alabama.

Ms. Gobert:

Pursuant to the authority granted in 43 U.S.C. 1334 (a)(2) and (e), and in compliance with all other applicable regulations contained in Title 30 CFR, Part 250, Subpart J (Pipelines and Pipeline Rights of Way on the Outer Continental Shelf) and Subpart Q (Decommissioning Activities), Williams Field Services – Gulf Coast Company LLC (Williams) hereby submits this application for modification to Right-of-Way (ROW) No. OCS-G21486, Segment No. (PSN) 12417. This segment consists of a 12.75-inch GASH pipeline extending from the Viosca Knoll Block 251 A platform to the Mobile Bay Block 113 A platform located in Alabama State Waters.

Williams previously submitted an application for full pipeline decommissioning, partial removal, and complete relinquishment of the ROW grant, however, this has since been withdrawn. The modifications described herein supersede that previous plan.

Purpose of Application

Williams respectfully requests approval for the following actions, combined into a single permit application:

1. **Decommission and remove portions of the 12.75-inch pipeline (PSN 12417)**
between Viosca Knoll Block 251 and Mobile Block 868.
 - o Total length to be decommissioned: 152,320 feet (28.85 statute miles).

December 10, 2025

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- Total length to be removed: 37,738 feet (7.15 statute miles), in three sections as detailed in this application.
- 2. **Relinquish the corresponding portion of ROW No. OCS-G21486** occupied by the decommissioned pipeline.
 - Total length of ROW to be relinquished: 152,320 feet (28.85 statute miles).
- 3. **Modify PSN 12417 by installing a mechanical end connector and a fabricated spool (56 feet; 0.01 statute miles)** to connect PSN 12417 to PSN 10097.
 - The connector will enable a subsea tie-in to the Dauphin Island Gathering Partners (DIGP) 20-inch pipeline (PSN 10097, ROW No. OCS-G14091). DIGP will submit a separate application for its modifications.
 - The remaining length of PSN 12417 in Federal waters after modification: 5,884 feet (1.11 statute miles).
- 4. **Update product description** from GASH to natural gas. The pipeline will transition from sour service to sweet service.
- 5. **Reduce MAOP** from 2,160 psig to 1,440 psig.

Upon completion, the modified Segment Nos. 10097 and 12417 will serve the purpose of supplying natural gas to the Mobile Bay Block 113 A platform located in Alabama State Waters.

Schedule and Operations

The proposed modifications will be made in conjunction with the proposed modifications of the DIGP 20-inch PSN 10097 (Right-of-Way OCS-G 14091). The application for these modifications will be submitted under separate cover.

The proposed work is scheduled to commence on September 1, 2026, and is expected to take approximately twenty-eight (28) days. Williams' shore base for these operations will be located in Fourchon. Williams Field Services – Gulf Coast Company LLC (GOM Company Number 02385) will remain the Operator for ROW No. OCS-G21486.

Additional Information

A mechanical end connector will be installed on the 12.75-inch pipeline to accommodate the proposed modifications. Williams understands the recent requirements by BSEE to perform an Independent Third Party (I3P) review of the connector. **Williams hereby nominates Stress Engineering Services, Inc. to perform the I3P review.**

Due to the GASH classification of the pipeline for sour service, in-line inspections (ILI) were

*Bureau of Safety and Environmental Enforcement
Modification to ROW No. OCS-G21486
Pipeline Segment No. 12417*

December 10, 2025

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required at 1-year intervals. Due to the change from sour service to sweet service, Williams requests exemption from the current requirement for annual in-line inspections (ILI).

Payment verification in the amount of \$4,849 for the application fee is included for the pipeline modification.

Williams respectfully requests approval of this application and issuance of the necessary permit for partial decommissioning, partial removal, partial relinquishment, and product changes for the right-of-way pipeline at your earliest convenience.

Should you have any questions or require additional information, please contact Cathy Thornton at (713)705-8020 or via email at cathy.thornton@williams.com.

Sincerely,

Williams Field Services – Gulf Coast Company LLC



Mark J. Cizek
Vice President

Attachments and Enclosures