US Army Corps
of Engineers
New Orleans District

FRESHWATER BAYOU - LOCK TO THE GULF

FRESHWATER BAYOU
MAINTENANCE DREDGING #26-1

VERMILION PARISH, LOUISIANA

SOLICITATION NO.: W912P826BA016

THIS PROJECT WAS DESIGNED BY THE NEW ORLEANS DISTRICT CORPS OF ENGINEERS. THE INITIALS OR SIGNATURES AND REGISTRATION DESIGNATIONS OF INDIVIDUALS APPEAR ON THESE PROJECT DOCUMENTS WITHIN THE SCOPE OF THEIR EMPLOYMENT AS REQUIRED BY ER 1110-1-8152. SIGNATURES INDICATE OFFICIAL RECOMMENDATION OF ALL DRAWINGS IN THIS SET.

APPROVED BY:

DISTRICT COMMANDER

APPROVAL RECOMMENDED BY:

ETL CIVIL BRANCH

CHIEF CIVIL BRANCH

CHIEF ENGINEERING DIVISION

US Army Corps of Engineers®
NEW ORLEANS DISTRICT

MARK	DESCRIPTION	DATE	APPR.

MARK	DESCRIPTION	DATE	APPR.

U.S. ARMY CORPS OF ENGINEERS
NEW ORLEANS DISTRICT
NEW ORLEANS, LOUISIANA

ED-25-018

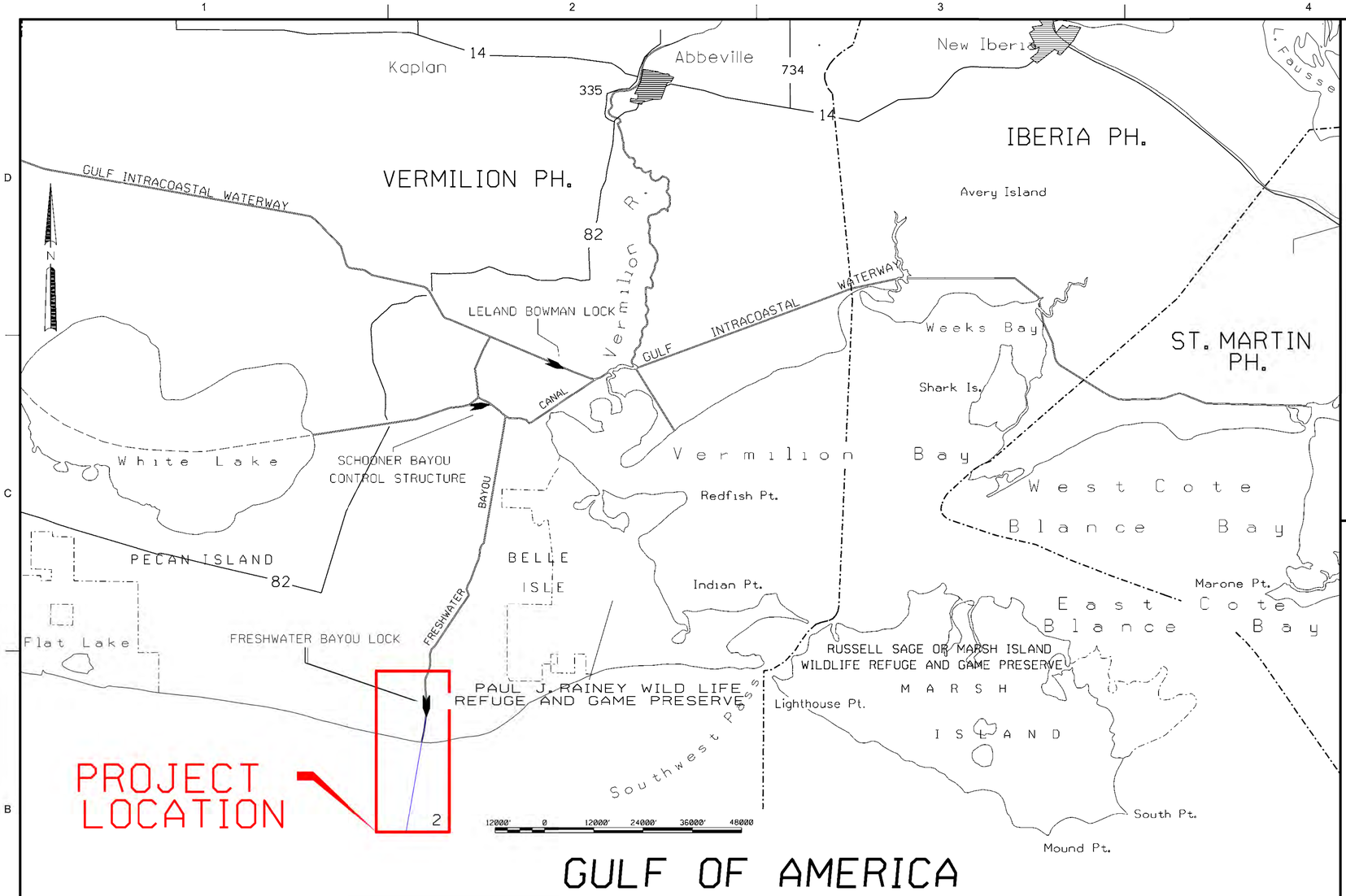
DESIGNED BY: ETHAN P. LOWRY
DWN BY: E.P.L.
CKD BY: A.P.K.
SUBMITTED BY: JASON A. BINET, P.E.
PLOT SCALE: 1:1
PLOT DATE:
SIZE: ANSI D
FILE NAME:
DATE: DECEMBER 2025
SOLICITATION NO.: W912P826BA016
CONTRACT NO.: W912P826B****
FILE NUMBER: H-16-48828

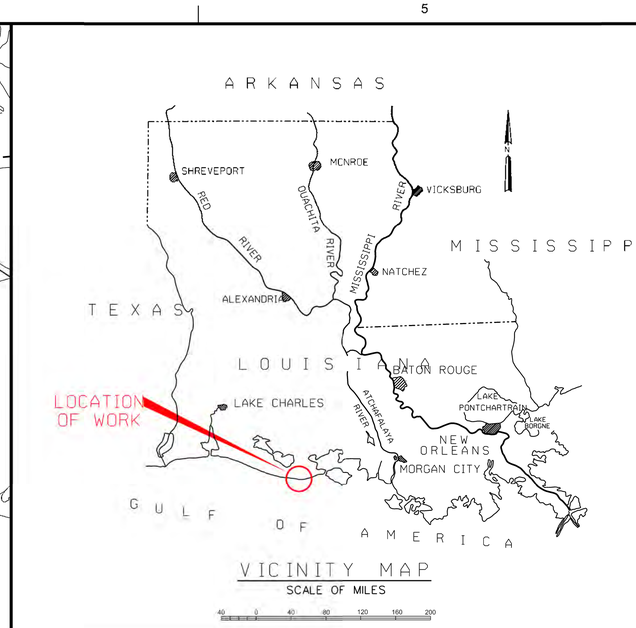
FRESHWATER BAYOU - LOCK TO THE GULF
FRESHWATER BAYOU
MAINTENANCE DREDGING
#26-1

COVER SHEET

VERMILION PARISH, LA

SHEET IDENTIFICATION
G-01





INDEX OF DRAWINGS

DWG	DESCRIPTION
G-01	COVER SHEET
G-02	LOCATION MAP, VICINITY MAP, GAGES AND INDEX OF DRAWINGS
C-01	PLAN
C-02	PROFILE AND THEORETICAL SECTIONS
C-03	CROSS SECTIONS (CL STA. -210+00 - (-)75+00)
C-04	CROSS SECTIONS (CL STA. -60+00 - CL STA. 70+00)

TABULATION OF GAGE(S)

DESCRIPTION
FRESHWATER BAYOU LOCK GAGE(S) - SOUTH END (76593) MOUNTED ON LOCK WALL ON SOUTH SIDE OF LOCK GAGE IS SET M.L.G.
LAT: 29° 37' 9.044" LONG: 92° 16' 33.693"
NOTE: DATUM RELATIONSHIPS HAVE BEEN DEFINED AT THIS GAGE AS SHOWN BELOW.
0.0' NAVD88 (2009.55) = 1.5' MLLW = 2.3' M.L.G.
Or 0.0' MLLW = 0.8' MLG

LOCK TO THE GULF
FRESHWATER BAYOU MAINTENANCE DREDGING #26-1
VERMILION PARISH, LOUISIANA

LEGEND

—●—	MILE MARKER
	CHANNEL CENTERLINE
	BOTTOM EDGE OF CUT
LPG	GAS PIPELINE
FOS	OIL PIPELINE
	BEACH DISPOSAL LIMITS
■	GREEN NAVAID
▲	RED NAVAID
	GAGE
-●-	RIVER MILE

US Army Corps of Engineers®
NEW ORLEANS DISTRICT

MARK	DESCRIPTION	DATE	APPR.

MARK	DESCRIPTION	DATE	APPR.

U.S. ARMY CORPS OF ENGINEERS
NEW ORLEANS DISTRICT
NEW ORLEANS, LOUISIANA

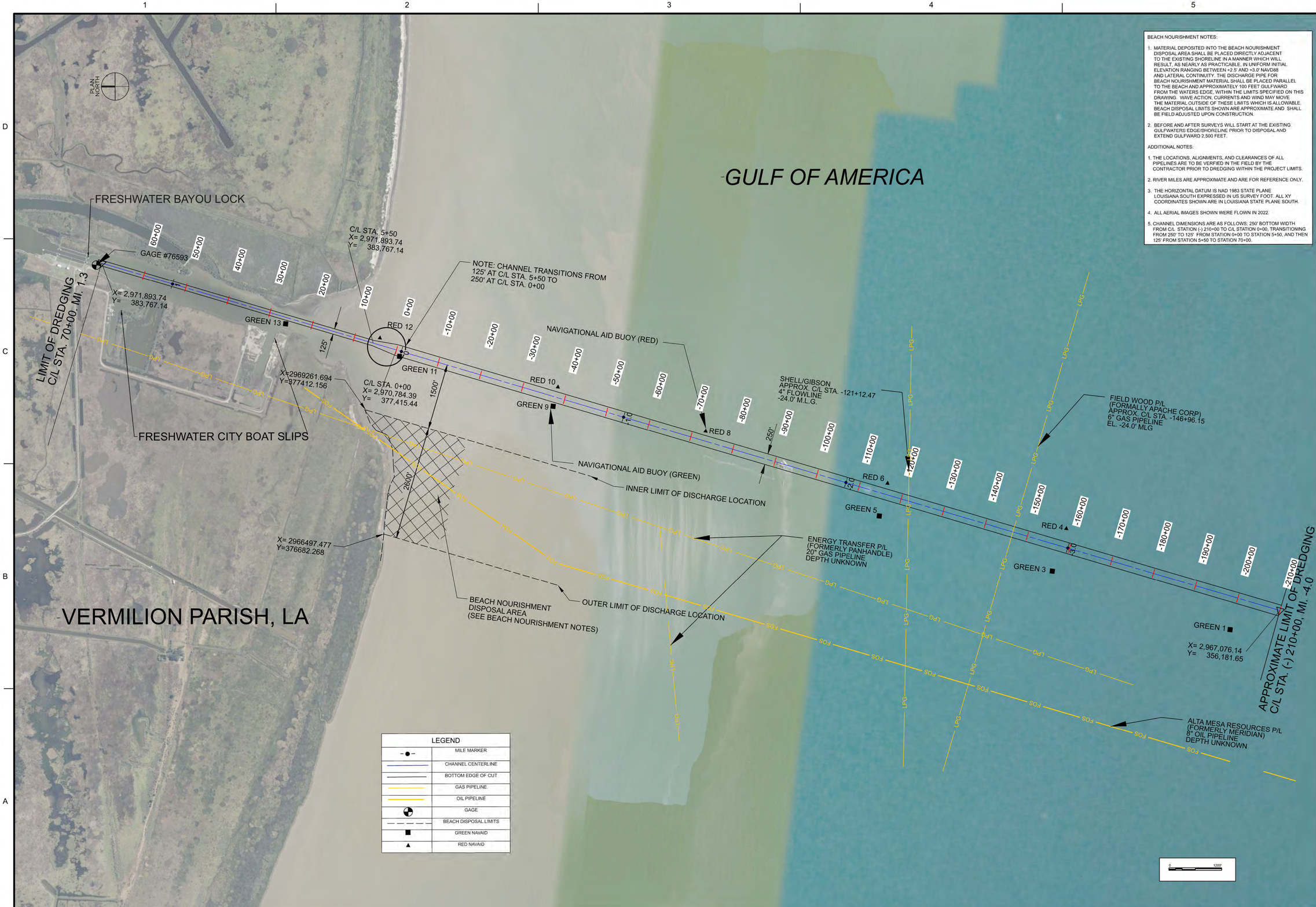
DESIGNED BY: ETHAN P. LOWRY
DWN BY: E.P.L.
CKD BY: A.P.K.
SUBMITTED BY: JASON A. BINET, P.E.
PLOT SCALE: 1"=18000
PLOT DATE:
FILE NAME:
SIZE: ANSI D
DATE: DECEMBER 2025
SOLICITATION NO.: W912P8260A016
CONTRACT NO.: W912P8260B****
FILE NUMBER: H-16-48828

ED-25-018

FRESHWATER BAYOU - LOCK TO THE GULF
FRESHWATER BAYOU
MAINTENANCE DREDGING
#26-1

LOCATION MAP, VICINITY MAP
GAGES AND INDEX OF DRAWINGS
VERMILION PARISH, LA

SHEET IDENTIFICATION
G-02



BEACH NOURISHMENT NOTES:

1. MATERIAL DEPOSITED INTO THE BEACH NOURISHMENT DISPOSAL AREA SHALL BE PLACED DIRECTLY ADJACENT TO THE EXISTING SHORELINE IN A MANNER WHICH WILL RESULT, AS NEARLY AS PRACTICABLE, IN UNIFORM INITIAL ELEVATION RANGING BETWEEN +2.5' AND +3.0' NAVD88 AND LATERAL CONTINUITY. THE DISCHARGE PIPE FOR BEACH NOURISHMENT MATERIAL SHALL BE PLACED PARALLEL TO THE BEACH AND APPROXIMATELY 100 FEET GULFWARD FROM THE WATERS EDGE, WITHIN THE LIMITS SPECIFIED ON THIS DRAWING. WAVE ACTION, CURRENTS AND WIND MAY MOVE THE MATERIAL OUTSIDE OF THESE LIMITS WHICH IS ALLOWABLE. BEACH DISPOSAL LIMITS SHOWN ARE APPROXIMATE AND SHALL BE FIELD ADJUSTED UPON CONSTRUCTION.
2. BEFORE AND AFTER SURVEYS WILL START AT THE EXISTING GULFWATERS EDGE/SHORELINE PRIOR TO DISPOSAL AND EXTEND GULFWARD 2,500 FEET.

ADDITIONAL NOTES:

1. THE LOCATIONS, ALIGNMENTS, AND CLEARANCES OF ALL PIPELINES ARE TO BE VERFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO DREDGING WITHIN THE PROJECT LIMITS.
2. RIVER MILES ARE APPROXIMATE AND ARE FOR REFERENCE ONLY.
3. THE HORIZONTAL DATUM IS NAD 1983 STATE PLANE LOUISIANA SOUTH EXPRESSED IN US SURVEY FOOT. ALL XY COORDINATES SHOWN ARE IN LOUISIANA STATE PLANE SOUTH.
4. ALL AERIAL IMAGES SHOWN WERE FLOWN IN 2022.
5. CHANNEL DIMENSIONS ARE AS FOLLOWS: 250' BOTTOM WIDTH FROM C/L STATION (-) 210+00 TO C/L STATION 0+00, TRANSITIONING FROM 250' TO 125' FROM STATION 0+00 TO STATION 5+50, AND THEN 125' FROM STATION 5+50 TO STATION 70+00.

US Army Corps of Engineers®
NEW ORLEANS DISTRICT

MARK	DESCRIPTION	DATE	APPR

MARK	DESCRIPTION	DATE	APPR

U.S. ARMY CORPS OF ENGINEERS
NEW ORLEANS DISTRICT
NEW ORLEANS, LOUISIANA

ED-25-018

DESIGNED BY: ETHAN P. LOWRY
DWN BY: E.P.L.
CKD BY: A.P.K.
SUBMITTED BY: JASON A. BINET, P.E.
PLOT SCALE:
PLOT DATE:
SIZE: ANSI D
FILE NAME:
DATE: DECEMBER 2025
SOLICITATION NO.: W912P8268A016
CONTRACT NO.: W912P8268****
FILE NUMBER: H-16-48828

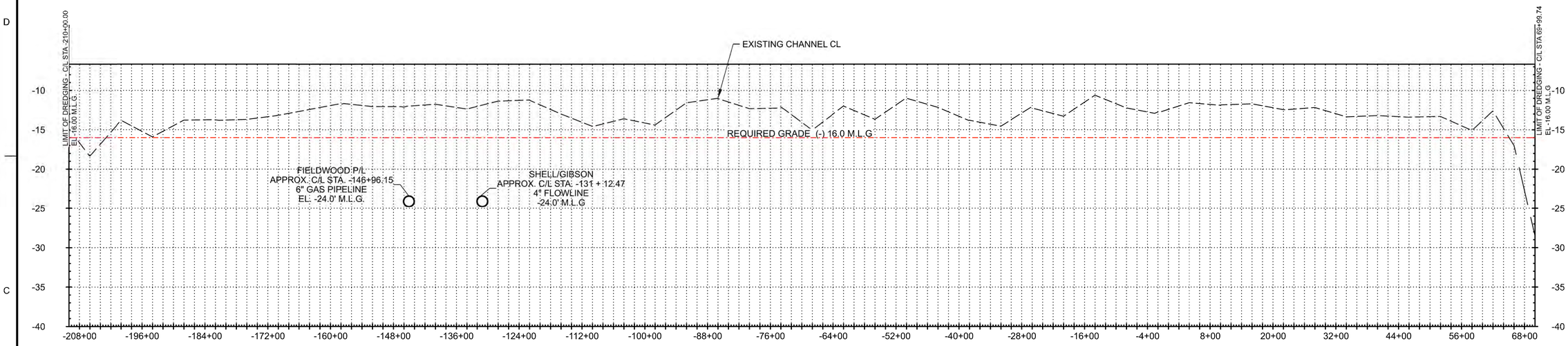
FRESHWATER BAYOU - LOCK TO THE GULF
FRESHWATER BAYOU
MAINTENANCE DREDGING
#26-1

PLAN VIEW

VERMILION PARISH, LA

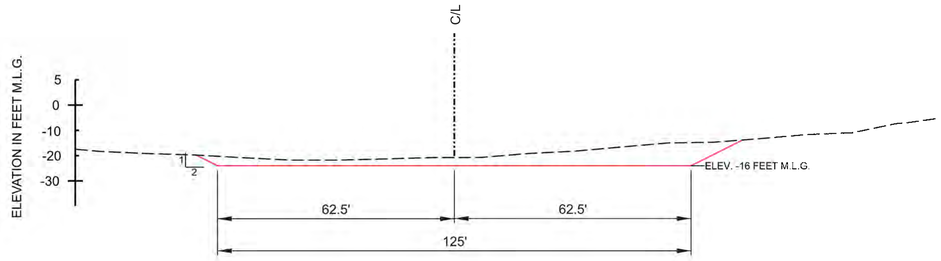
SHEET IDENTIFICATION
C-01

FRESHWATER BAYOU
PROFILE AND THEORETICAL SECTIONS



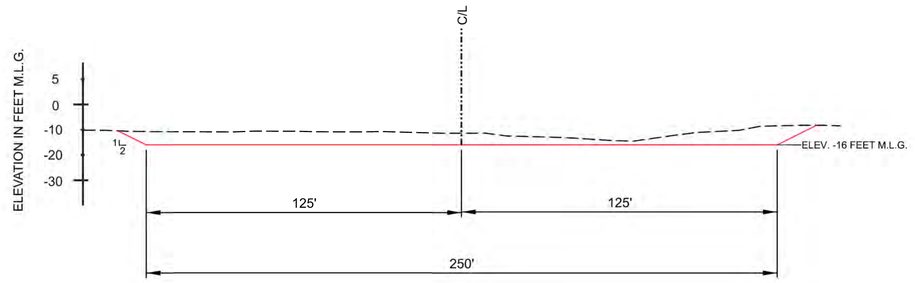
NOTES:

1. FROM C/L STA 70+00 to C/L STA. 5+50 CHANNEL BOTTOM WIDTH IS 125 FEET WITH AN ELEVATION OF -16 FEET MLG WITH 1V ON 2H SIDE SLOPES.
2. FROM C/L STA. 0+00 TO -210+00 CHANNEL BOTTOM WIDTH IS 250 FEET WITH AN ELEVATION OF -16 FEET MLG WITH 1V on 2H SIDE SLOPES.
3. PROVIDE SMOOTH TRANSITION BETWEEN C/L STA. 5+50 to C/L STA. 0+00.
4. ELEVATION FOR PROFILE VIEW AND THEORETICAL SECTIONS IS IN M.L.G.
5. CHANNEL CONDITIONS REFLECT SURVEY TAKEN 4 JUNE 2025. ELEVATIONS ARE IN FEET M.L.G.



THEORETICAL SECTION

C/L STA. 70+00 TO C/L 5+50
(NOT TO SCALE)



THEORETICAL SECTION

C/L STA. 0+00 TO C/L -210+00
(NOT TO SCALE)

US Army Corps of Engineers®
NEW ORLEANS DISTRICT

MARK	DESCRIPTION	DATE	APPR

MARK	DESCRIPTION	DATE	APPR

U.S. ARMY CORPS OF ENGINEERS
NEW ORLEANS DISTRICT
NEW ORLEANS, LOUISIANA

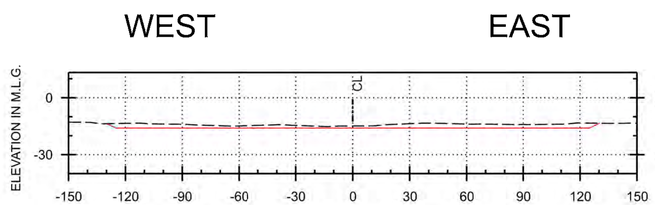
ED-25-018

DESIGNED BY: ETHAN P. LOWRY
DWN BY: E.P.L.
CKD BY: A.P.K.
SUBMITTED BY: JASON A. BINET, P.E.
PLOT SCALE:
PLOT DATE:
SIZE: ANSI D
FILE NAME:
DATE: DECEMBER 2025
SOLICITATION NO.: W912P8260A016
CONTRACT NO.: W912P8260****
FILE NUMBER: H-16-48828

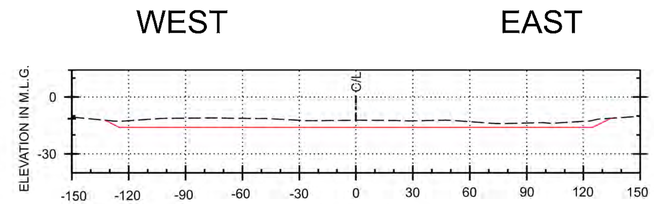
FRESHWATER BAYOU - LOCK TO THE GULF
FRESHWATER BAYOU
MAINTENANCE DREDGING
#26-1
PROFILE AND THEORETICAL SECTIONS
VERMILION PARISH, LA

SHEET IDENTIFICATION
C-02

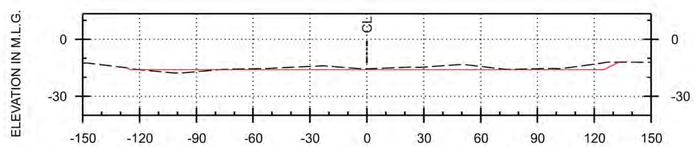
CROSS SECTIONS (CL STA. -75+00 - CL STA. -210+00)



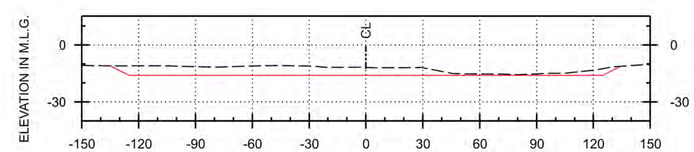
CL STA. -210+00



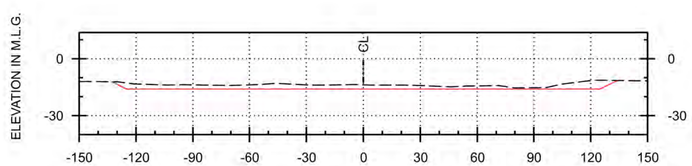
CL STA. -135+00



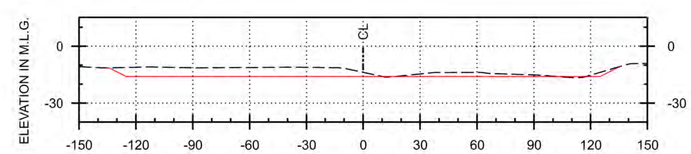
CL STA. -195+00



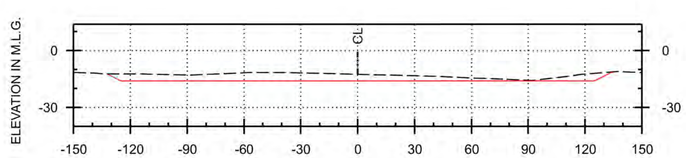
CL STA. -120+00



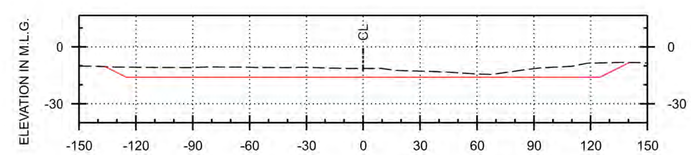
CL STA. -180+00



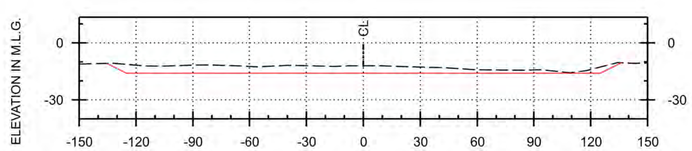
CL STA. -105+00



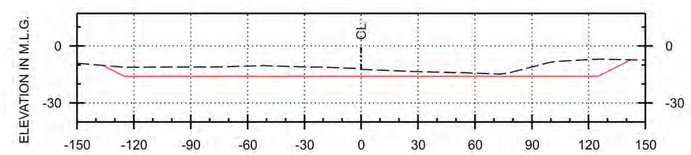
CL STA. -165+00



CL STA. -90+00



CL STA. -150+00



CL STA. -75+00

NOTES:
1. REQUIRED SIDE SLOPES FOR STATION 70+00 to 0+00 ARE 1V ON 2H.
2. REQUIRED SIDE SLOPES FOR STATION 0+00 to -210+00 ARE 1V ON 2H.
3. REQUIRED BOTTOM WIDTH TRANSITIONS FROM 125' AT C/L STA. 5+50 to 250' at C/L STA. 0+00.
4. CHANNEL CONDITIONS ARE REFLECTIVE OF SURVEY TAKEN JUNE 2025.
5. CROSS SECTION STATIONS SHOWN REFLECT CHANNEL CENTERLINE STATIONING.
6. ALL ELEVATIONS SHOWN ARE IN FEET - M.L.G.

US Army Corps of Engineers®
NEW ORLEANS DISTRICT

MARK	DESCRIPTION	DATE	APPR

MARK	DESCRIPTION	DATE	APPR

U.S. ARMY CORPS OF ENGINEERS
NEW ORLEANS DISTRICT
NEW ORLEANS, LOUISIANA

ED-25-018

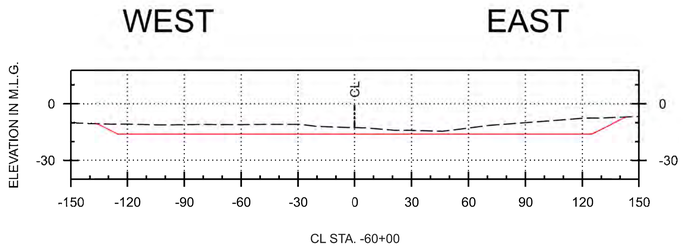
DESIGNED BY: ETHAN P. LOWRY
DWN BY: E.P.L.
CKD BY: A.P.K.
SUBMITTED BY: JASON A. BINET, P.E.
PLOT SCALE:
PLOT DATE:
SIZE: ANSI D
FILE NAME:
DATE: DECEMBER 2025
SOLICITATION NO.: W912P8260A016
CONTRACT NO.: W912P8260B****
FILE NUMBER: H-16-48828

FRESHWATER BAYOU - LOCK TO THE GULF
FRESHWATER BAYOU
MAINTENANCE DREDGING
#26-1

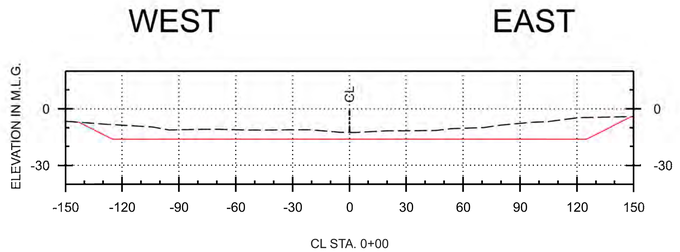
CROSS SECTIONS
(CL STA. -210+00 - (-)75+00)
VERMILION PARISH, LA

SHEET IDENTIFICATION
C-03

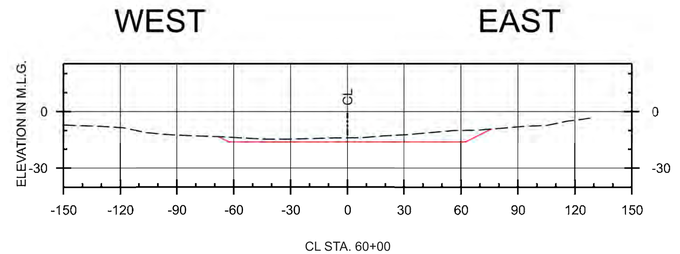
CROSS SECTIONS (CL STA. -60+00 - CL STA. 70+00)



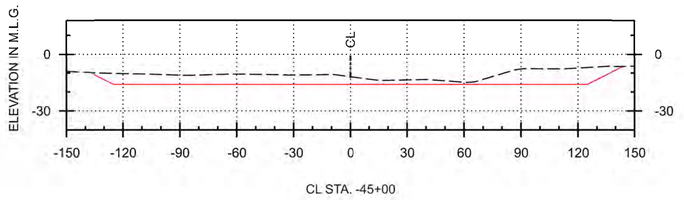
CL STA. -60+00



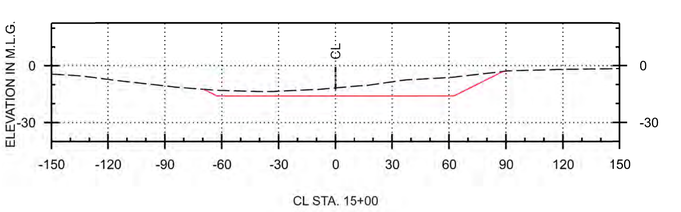
CL STA. 0+00



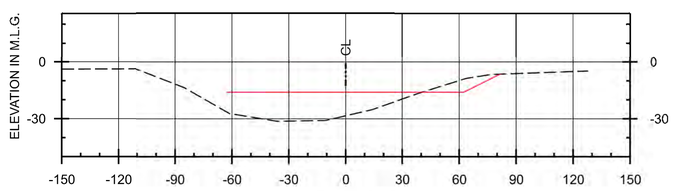
CL STA. 60+00



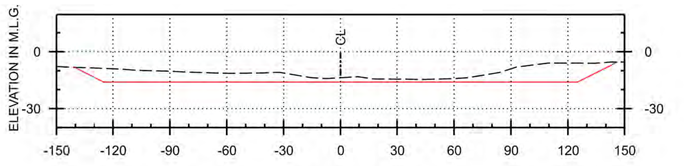
CL STA. -45+00



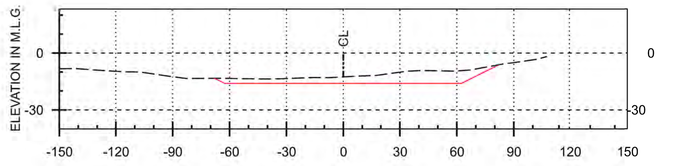
CL STA. 15+00



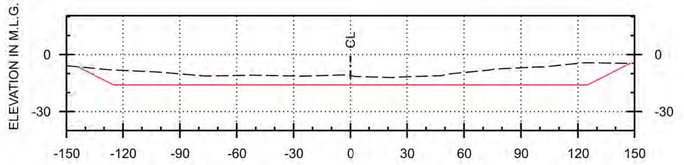
CL STA. 70+00



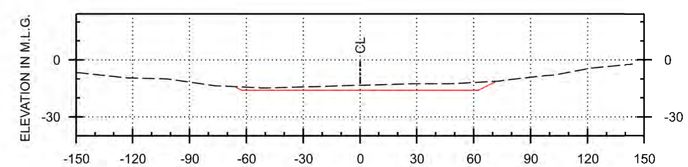
CL STA. -30+00



CL STA. 30+00



CL STA. -15+00



CL STA. 45+00

NOTES:
1. REQUIRED SIDE SLOPES FOR STATION 70+00 to STATION 0+00 ARE 1V ON 2H.
2. REQUIRED SIDE SLOPES FOR STATION 0+00 to STATION -210+00 ARE 1V ON 2H.
3. REQUIRED BOTTOM WIDTH TRANSITIONS FROM 125' AT C/L STA. 5+50 to 250' at C/L STA. 0+00.
4. CHANNEL CONDITIONS ARE REFLECTIVE OF SURVEY TAKEN JUNE 2025.
5. CROSS SECTION STATIONS SHOWN REFLECT CHANNEL CENTERLINE STATIONING.
6. ALL ELEVATIONS SHOWN ARE IN FEET - M.L.G.

US Army Corps of Engineers®
NEW ORLEANS DISTRICT

MARK	DESCRIPTION	DATE	APPR.

MARK	DESCRIPTION	DATE	APPR.

U.S. ARMY CORPS OF ENGINEERS
NEW ORLEANS DISTRICT
NEW ORLEANS, LOUISIANA

DESIGNED BY: ETHAN P. LOWRY		DATE: DECEMBER 2025	
DWN BY: E.P.L	CKD BY: A.P.K.	SOLICITATION NO.: W912P626B4016	
SUBMITTED BY: JASON A. BIMET, P.E.		CONTRACT NO.: W912P626B****	
PLOT SCALE:	PLOT DATE:	FILE NUMBER: 1-15-40858	
SIZE: ANSI D	FILE NAME:		

ED-25-018

FRESHWATER BAYOU - LOCK TO THE GULF
FRESHWATER BAYOU
MAINTENANCE DREDGING
#25-1

CROSS SECTIONS
(CL STA. -60+00 - CL STA. 70+00)
VERMILION PARISH, LA

SHEET IDENTIFICATION
C-04