US Army Corps of Engineers ®

MOBILE DISTRICT
109 SAINT JOSEPH STREET
MOBILE AL 36602

MOBILE HARBOR ALABAMA DEEPENING AND WIDENING - PHASE 1

MOBILE, ALABAMA

MOBILE DISTRICT PROJECT CODE: CHC20001
SOLICITATION NO: W9127820B0003

AUGUST 2020

SHEET ID	TITLE OF DRAWINGS
G-001	COVER SHEET WITH INDEX OF DRAWINGS
G-002	GENERAL NOTES
G-003	PROJECT MAP
CN101	OVERALL DREDGE PLAN
CN102	PARTIAL DREDGE PLAN
CN103	PARTIAL DREDGE PLAN
CN104	PARTIAL DREDGE PLAN
CN105	DREDGE DISPOSAL AREA
CN106	BORING PLAN AND PROFILE
CN301	BAR CHANNEL CROSS SECTIONS
CN302	BAR CHANNEL CROSS SECTIONS
CN303	BAR CHANNEL CROSS SECTIONS
CN304	BAR CHANNEL CROSS SECTIONS

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: R. ALLEN
DRAWN BY: J. GIBSON
CHECKED BY: E. GODSEY
SUBMITTED BY: B. CRANE
SIZE: ANSI D
ISSUE DATE: JULY 2020
SOLICITATION NO.: W9127820B0003
CONTRACT NO.:
CADD CODE: CHC20001
FILE NAME: CHC20001-G-001.dgn

U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
109 ST. JOSEPH STREET
MOBILE, AL. 36602

MOBILE, AL
MOBILE HARBOR, ALABAMA
DEEPENING AND WIDENING - PHASE 1

COVER SHEET
WITH INDEX OF DRAWINGS

SHEET ID
G-001

GENERAL NOTES:

1. ALL ELEVATIONS SHOWN IN THIS PLAN SET ARE REFERENCED TO FEET IN MEAN LOWER LOW WATER (M.L.L.W.) DATUM.
2. ALL COORDINATES SHOWN IN THIS PLAN SET ARE IN FEET AND ARE REFERENCED TO ALABAMA STATE PLANE COORDINATE SYSTEM NAD 83 DATUM (0102) WEST ZONE.
3. THE HYDROGRAPHIC SURVEY FOR THIS PROJECT WAS PERFORMED ON SEPTEMBER 30, 2019 BY THE IRVINGTON SITE OFFICE OF THE U.S. ARMY CORPS OF ENGINEERS.
4. THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THE TIME.
5. FREQUENCY SOUNDINGS: 208KHZ
6. ALL UTILILTY LOCATIONS ARE APPROXIMATE AND SHOULD BE FIELD VERIFIED.
7. ONLY USACE GAGES SHALL BE USED FOR REFERENCE UNLESS OTHERWISE APPROVED BY THE COR. GAUGES WILL BE PROVIDED AT THE PRE-CONSTRUCTION MEETING.

MOBILE BAR CHANNEL CENTERLINE COORDINATES

STATION	NORTHING	EASTING
1760+09.29	92490.01	1798307.71
1765+99.29	91904.65	1798233.86
1779+68.48	90548.05	1798185.95
1795+68.83	88969.64	1798450.05
1797+99.33	88742.30	1798488.09
1844+13.10	84191.79	1799249.51
1854+68.20	83151.16	1799423.63
1859+58.52	82661.27	1799403.12
1869+97.27	81649.83	1799166.53
2059+57.80	63187.67	1794847.90
2089+53.30	60270.90	1794165.62
2119+33.78	57486.36	1793102.80
2189+58.73	50923.23	1790597.75

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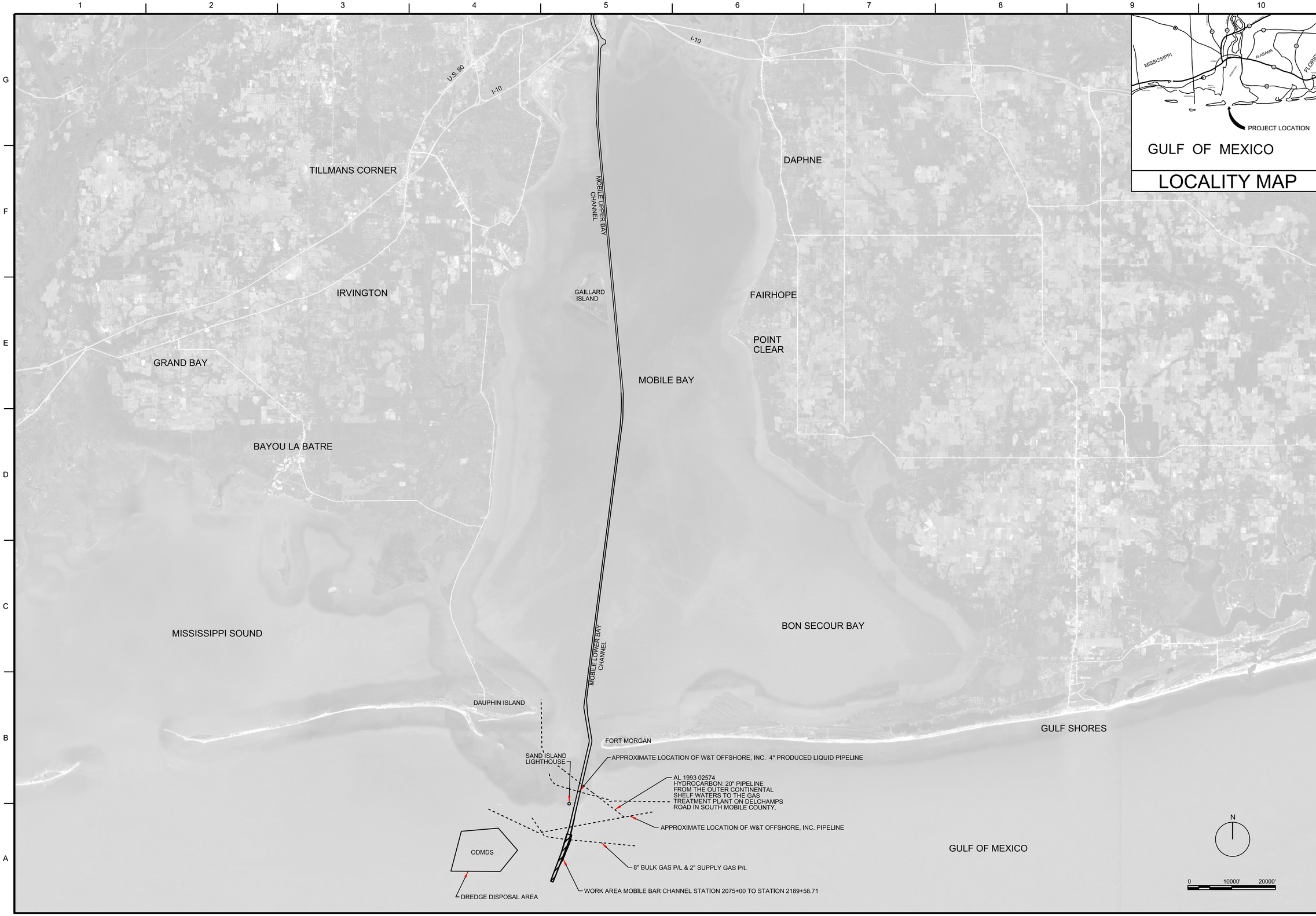
DESIGNED BY: R. ALLEN
DRAWN BY: J. GIBSON
CHECKED BY: E. GODSEY
SUBMITTED BY: B. CRAWE
SIZE: ANSI D
ISSUE DATE: JULY 2020
SOLICITATION NO.: W912T820B0003
CONTRACT NO.:
CADD CODE: CHC18004
FILE NAME: CHC20001-G-002.DGN

U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
109 ST. JOSEPH STREET
MOBILE, AL 36602

MOBILE, AL
MOBILE HARBOR, ALABAMA
DEEPENING AND WIDENING - PHASE 1

GENERAL NOTES

SHEET ID
G-002



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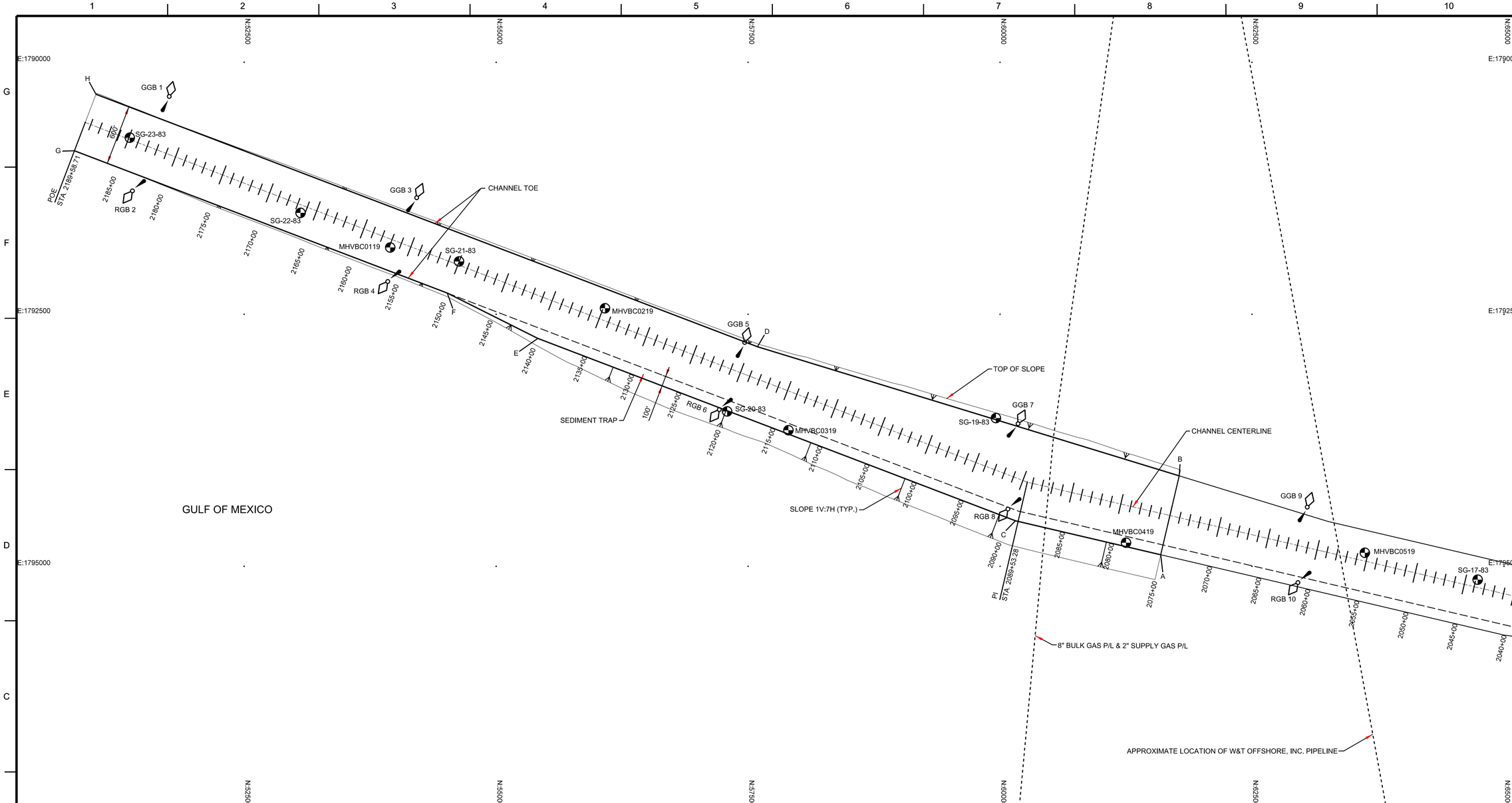
DRAWN BY: J. GIBSON
CHECKED BY: E. GODSEY
SUBMITTED BY: E. CRANE
SIZE: ANSI D
ISSUE DATE: JULY 2020
SOLICITATION NO.: W912T820B0003
CONTRACT NO.: WXXXXX-XX-X-XXX
CADD CODE: CHC20001
S/S O SHEET FILE NAME: CHC120001-G-003.dgn

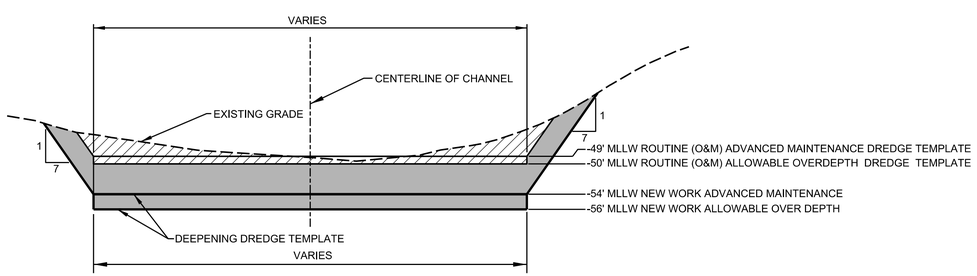
U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
109 ST. JOSEPH STREET
MOBILE, AL. 36602

MOBILE, AL
MOBILE HARBOR, ALABAMA
DEEPENING AND WIDENING - PHASE 1

PROJECT MAP

SHEET ID
G-003





A1 MOBILE BAR CHANNEL TYPICAL DREDGE SECTION
N.T.S.

LEGEND

- GGB X — GREEN GAS BUOY
- RGB X — RED GAS BUOY
- XX-XX-XX — BORING LOCATION
- ROUTINE MAINTENANCE (O&M) DREDGING
- NEW WORK DREDGING

CHANNEL COORDINATES		
PNT.	NORTHING	EASTING
A	61594.90	1794886.12
B	61777.99	1794103.39
C	60153.45	1794548.94
D	57593.34	1792822.53
E	55414.01	1792739.97
F	54515.42	1792289.95
G	50816.25	1790878.03
H	51030.21	1790317.48

N

0 500' 1200'

NOTES:

1. SEE SHEET G-002 FOR GENERAL NOTES.

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DESIGNED BY: R. ALLEN	ISSUE DATE: JULY 2020
DRAWN BY: J. GIBSON	SOLICITATION NO.: W912T820B0003
CHECKED BY: E. GODSEY	CONTRACT NO.: WXXXXX-XX-X-XXX
SUBMITTED BY: B. CRAWLE	CADD CODE: CHC20001
SIZE: ANSI D	FILE NAME: CHC20001-CN101.dgn

U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
109 ST. JOSEPH STREET
MOBILE, AL 36602

MOBILE, AL
MOBILE HARBOR, ALABAMA
DEEPENING AND WIDENING - PHASE 1

OVERALL DREDGE PLAN

SHEET ID
CN101

AL 1993 02574
HYDROCARBON: 20" PIPELINE
FROM THE OUTER CONTINENTAL
SHELF WATERS TO THE GAS
TREATMENT PLANT ON DELCHAMPS
ROAD IN SOUTH MOBILE COUNTY.

TOP OF SLOPE

SG-19-83

GGB 7

GGB 9

CHANNEL TOE

CHANNEL CENTERLINE

MHVBC0519

MHVBC0419

SEDIMENT TRAP

RGB 8

RGB 10

STA. 2089+53.28

100'

1V:7H (TYP.)

PROPOSED 8" BULK
GAS P/L & 2" SUPPLY
GAS P/L

MATCH LINE TO SHEET CN103

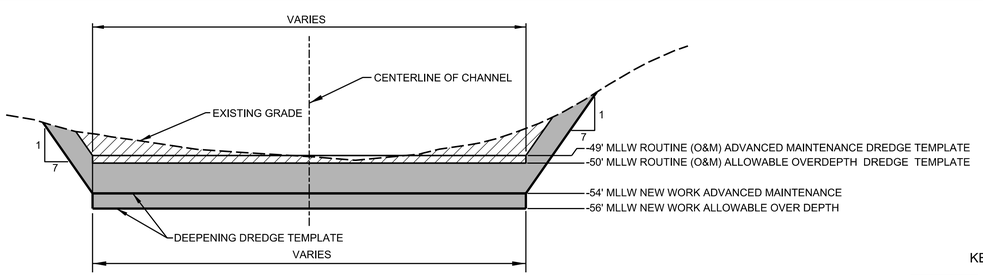
A B C D

2105+00 2100+00 2095+00 2090+00 2085+00 2080+00 2075+00 2070+00 2065+00 2060+00 2055+00

N:58000 N:59000 N:60000 N:61000 N:62000 N:63000 N:64000

E:1793000 E:1794000 E:1795000 E:1796000 E:1798000

A1 MOBILE BAR CHANNEL TYPICAL DREDGE SECTION
N.T.S.



LEGEND

GGB X	GREEN GAS BUOY
RGB X	RED GAS BUOY
XX-XX-XX	BORING LOCATION
	ROUTINE MAINTENANCE (O&M) DREDGING
	NEW WORK DREDGING

KEY MAP

CN104 CN103 CN102

CHANNEL COORDINATES

PNT.	NORTHING	EASTING
A	61594.90	1794886.12
B	61777.99	1794103.39
C	60153.45	1794548.94
D	57593.34	1792822.53
E	55414.01	1792739.97
F	54515.42	1792289.95
G	50816.25	1790878.03
H	51030.21	1790317.48

N

0 200' 400'

NOTES:

1. SEE SHEET G-002 FOR GENERAL NOTES.

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

ISSUE DATE: JULY 2020
SOLICITATION NO.: W9127820B0003
CONTRACT NO.: WXXXXX-XX-X-XXX
CADD CODE: CHC20001
CAD FILE NAME: CHC20001-CN102.dgn

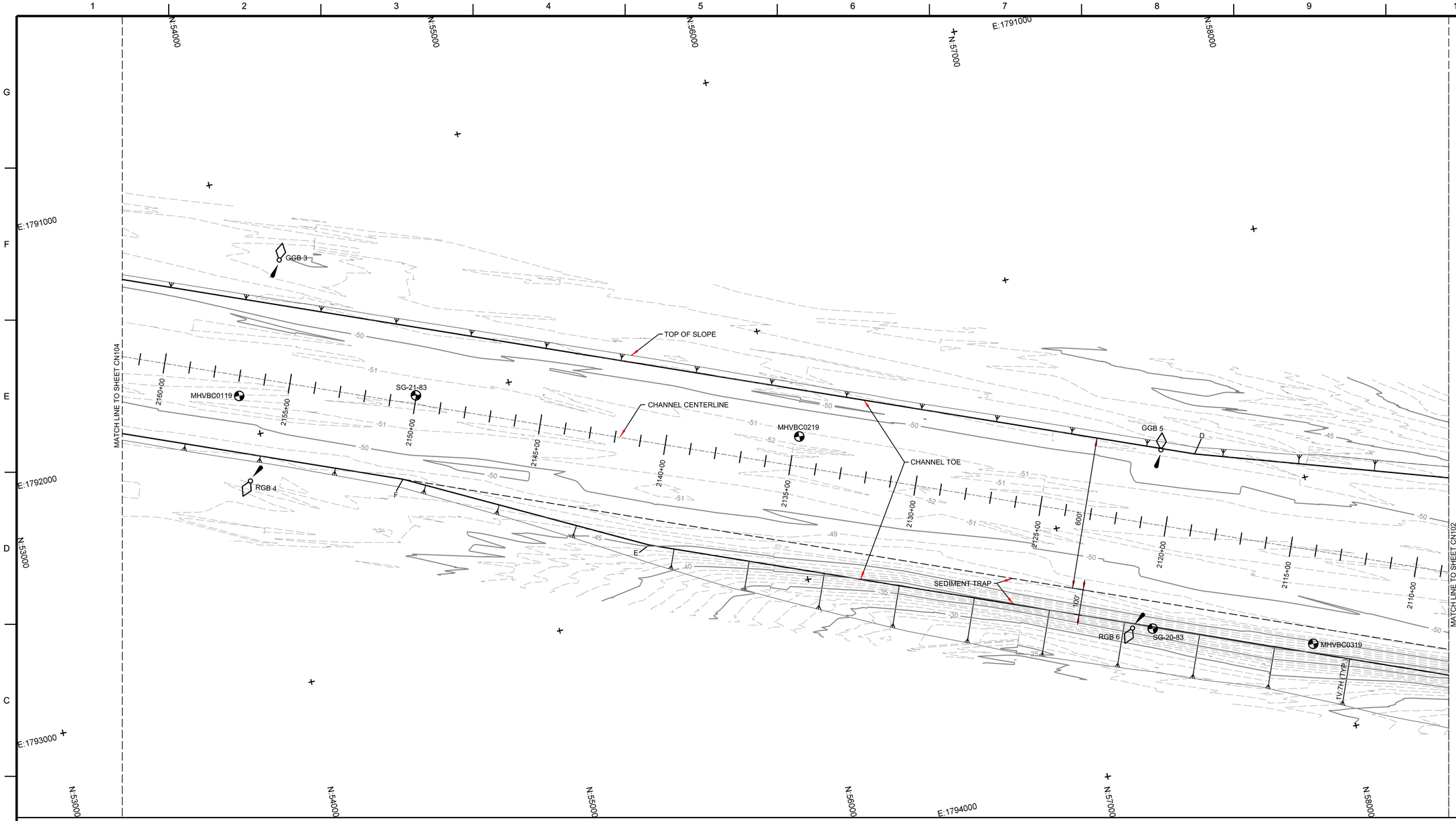
DESIGNED BY: R. ALLEN
DRAWN BY: J. GIBSON
CHECKED BY: E. GODSEY
SUBMITTED BY: B. CRAWE
SIZE: ANSI D
FSCM NO: 0 SHEET FILE NAME:

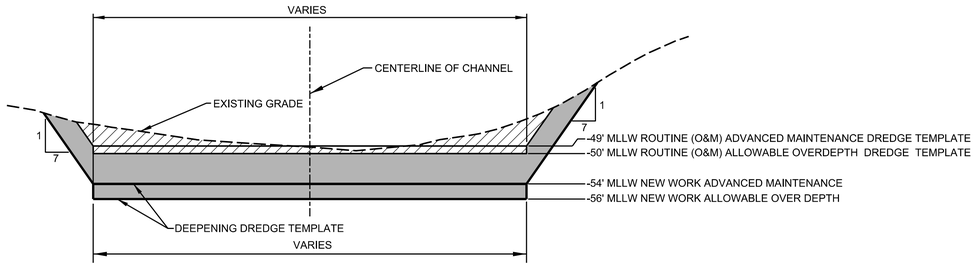
U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
109 ST. JOSEPH STREET
MOBILE, AL 36602

MOBILE, AL
MOBILE HARBOR, ALABAMA
DEEPENING AND WIDENING - PHASE 1

PARTIAL DREDGE PLAN

SHEET ID
CN102





A1 MOBILE BAR CHANNEL TYPICAL DREDGE SECTION
N.T.S.

LEGEND

GGB X	GREEN GAS BUOY
RGB X	RED GAS BUOY
XX-XX-XX	BORING LOCATION
	ROUTINE MAINTENANCE (O&M) DREDGING
	NEW WORK DREDGING

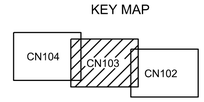
CHANNEL COORDINATES

PNT.	NORTHING	EASTING
A	61594.90	1794886.12
B	61777.99	1794103.39
C	60153.45	1794548.94
D	57593.34	1792822.53
E	55414.01	1792739.97
F	54515.42	1792289.95
G	50816.25	1790878.03
H	51030.21	1790317.48

N

0 200' 400'

KEY MAP



NOTES:

1. SEE SHEET G-002 FOR GENERAL NOTES.

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

ISSUE DATE: JULY 2020
SOLICITATION NO.: W912T820B0003
CONTRACT NO.: WXXXXX-XX-X-XXX
CADD CODE: CHC20001
SUBMITTED BY: B. CRAWLE
SIZE: ANSI D
FILE NAME: CHC20001-CN103.dgn

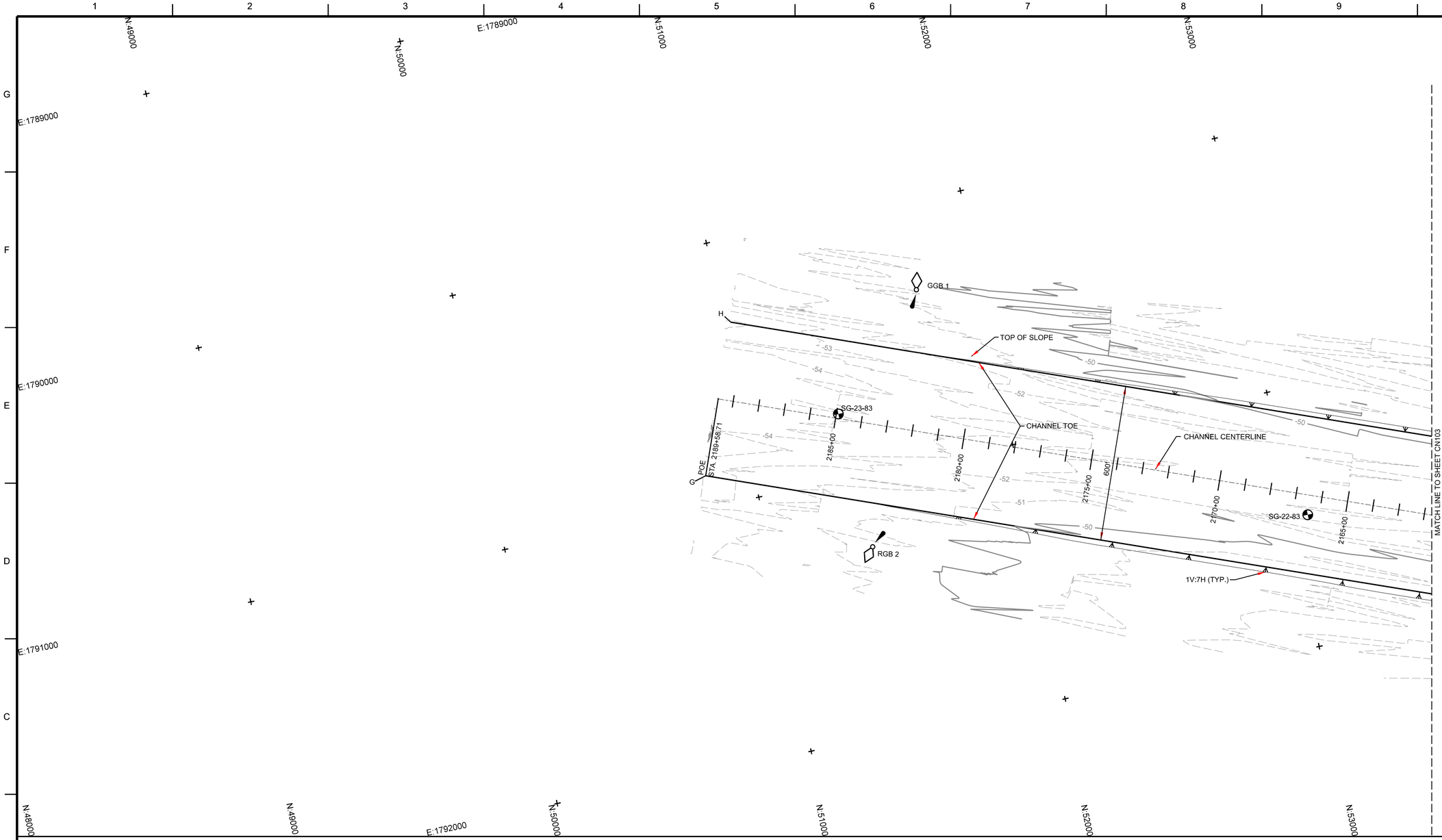
DESIGNED BY: R. ALLEN
DRAWN BY: J. GIBSON
CHECKED BY: E. GODSEY

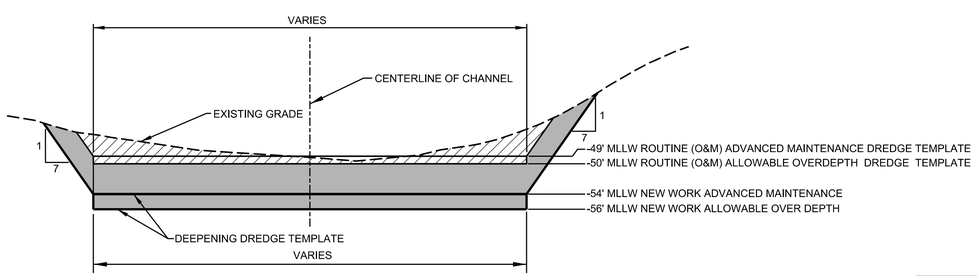
U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
109 ST. JOSEPH STREET
MOBILE, AL 36602

MOBILE, AL
MOBILE HARBOR, ALABAMA
DEEPENING AND WIDENING - PHASE 1

PARTIAL DREDGE PLAN

SHEET ID
CN103





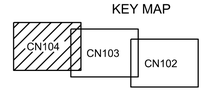
A1 MOBILE BAR CHANNEL TYPICAL DREDGE SECTION
N.T.S.

LEGEND

- GGB X — GREEN GAS BUOY
- RGB X — RED GAS BUOY
- XX-XX-XX — BORING LOCATION
- ROUTINE MAINTENANCE (O&M) DREDGING
- NEW WORK DREDGING

CHANNEL COORDINATES		
PNT.	NORTHING	EASTING
A	61594.90	1794886.12
B	61777.99	1794103.39
C	60153.45	1794548.94
D	57593.34	1792822.53
E	55414.01	1792739.97
F	54515.42	1792289.95
G	50816.25	1790878.03
H	51030.21	1790317.48

KEY MAP



N

0 200' 400'

NOTES:

1. SEE SHEET G-002 FOR GENERAL NOTES.

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

ISSUE DATE: JULY 2020
SOLICITATION NO.: W9127820B0003
CONTRACT NO.: WXXXXX-XX-X-XXX
CADD CODE: CHC20001
SUBMITTED BY: B. CRAWLE
SIZE: ANSI D
FILE NAME: CHC20001-CN104.dgn

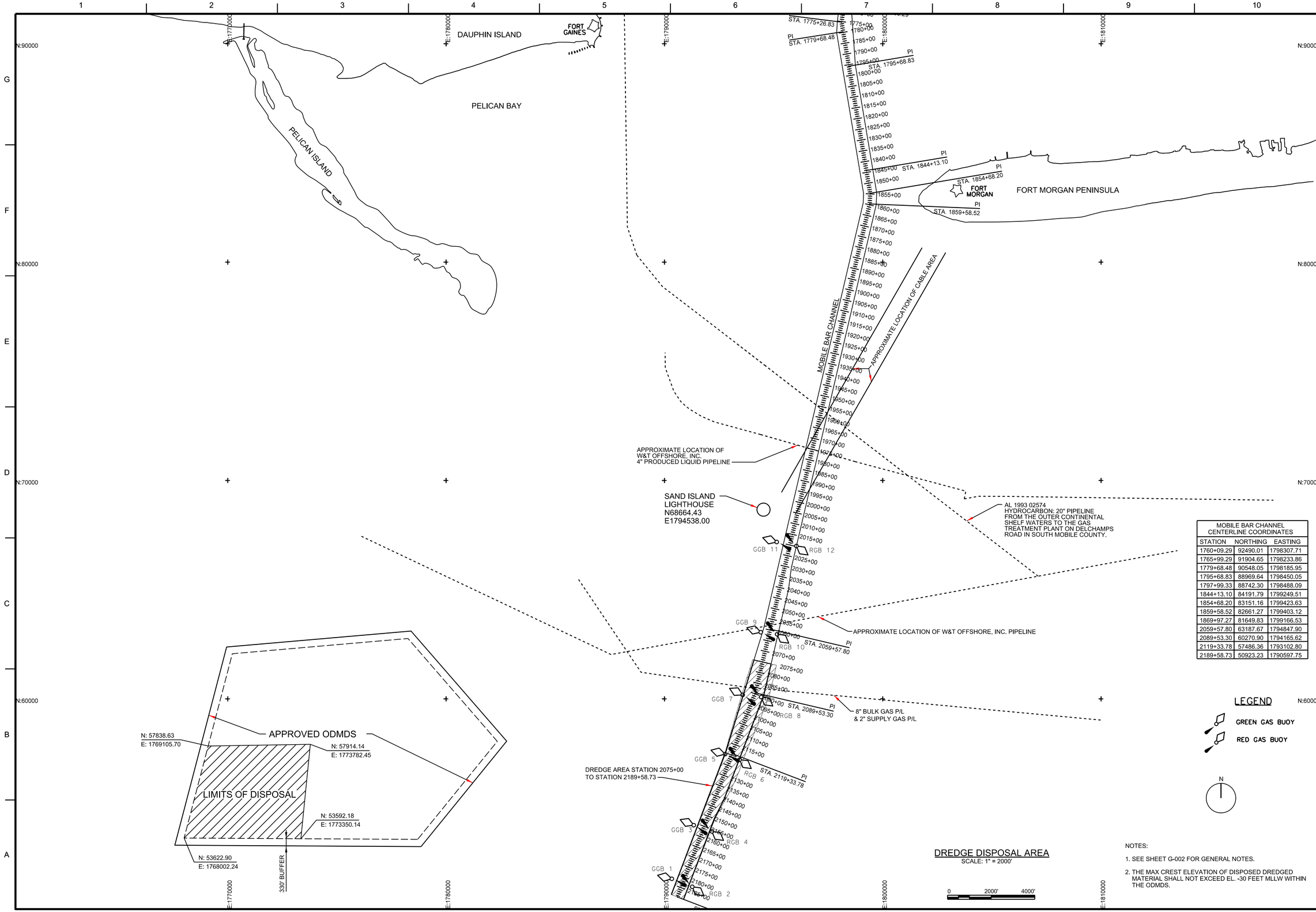
DESIGNED BY: R. ALLEN
DRAWN BY: J. GIBSON
CHECKED BY: E. GODSEY

U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
109 ST. JOSEPH STREET
MOBILE, AL 36602

MOBILE, AL
MOBILE HARBOR, ALABAMA
DEEPENING AND WIDENING - PHASE 1

PARTIAL DREDGE PLAN

SHEET ID
CN104



MOBILE BAR CHANNEL CENTERLINE COORDINATES

STATION	NORTHING	EASTING
1760+09.29	92490.01	1798307.71
1765+99.29	91904.65	1798233.86
1779+68.48	90548.05	1798185.95
1795+68.83	88969.64	1798450.05
1797+99.33	88742.30	1798488.09
1844+13.10	84191.79	1799249.51
1854+68.20	83151.16	1799423.63
1859+58.52	82661.27	1799403.12
1869+97.27	81649.83	1799166.53
2059+57.80	63187.67	1794847.90
2089+53.30	60270.90	1794165.62
2119+33.78	57486.36	1793102.80
2189+58.73	50923.23	1790597.75

DREDGE DISPOSAL AREA
SCALE: 1" = 2000'

NOTES:

1. SEE SHEET G-002 FOR GENERAL NOTES.
2. THE MAX CREST ELEVATION OF DISPOSED DREDGED MATERIAL SHALL NOT EXCEED EL. -30 FEET MLLW WITHIN THE ODMDS.

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

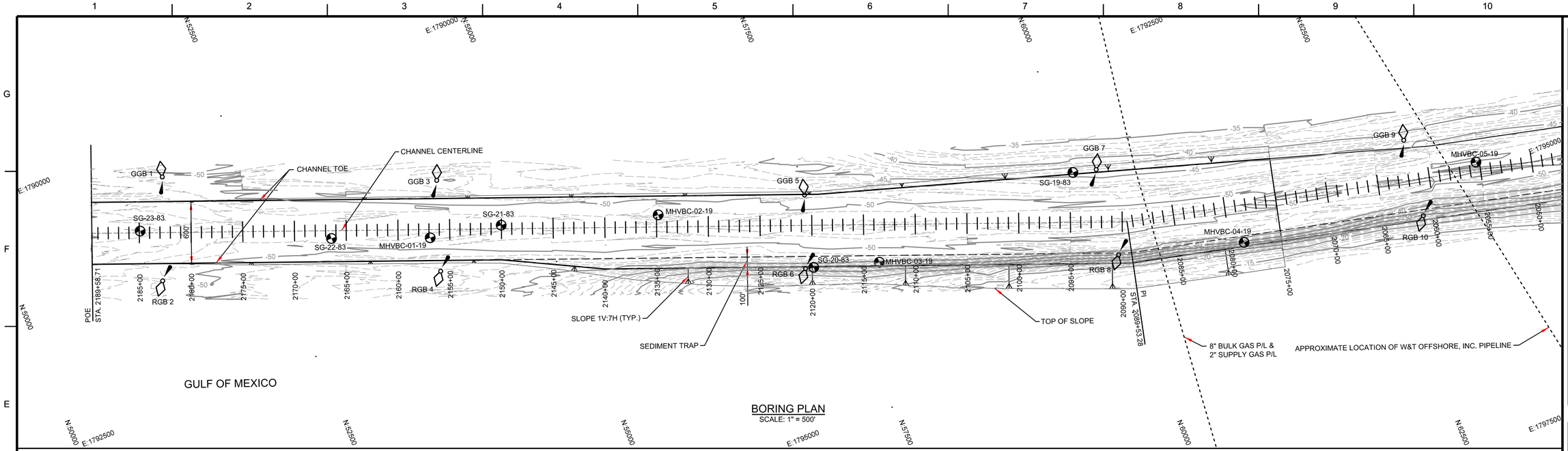
DESIGNED BY: R. ALLEN
DRAWN BY: J. GIBSON
CHECKED BY: E. GODSEY
SUBMITTED BY: B. CRAWLE
SIZE: ANSI D
ISSUE DATE: JULY 2020
SOLICITATION NO.: W912792OB0003
CONTRACT NO.: WXXXXX-XX-X-XXX
CADD CODE: CHC20001
SHEET FILE NAME: CHC20001-CN105.dgn

U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
109 ST. JOSEPH STREET
MOBILE, AL 36602

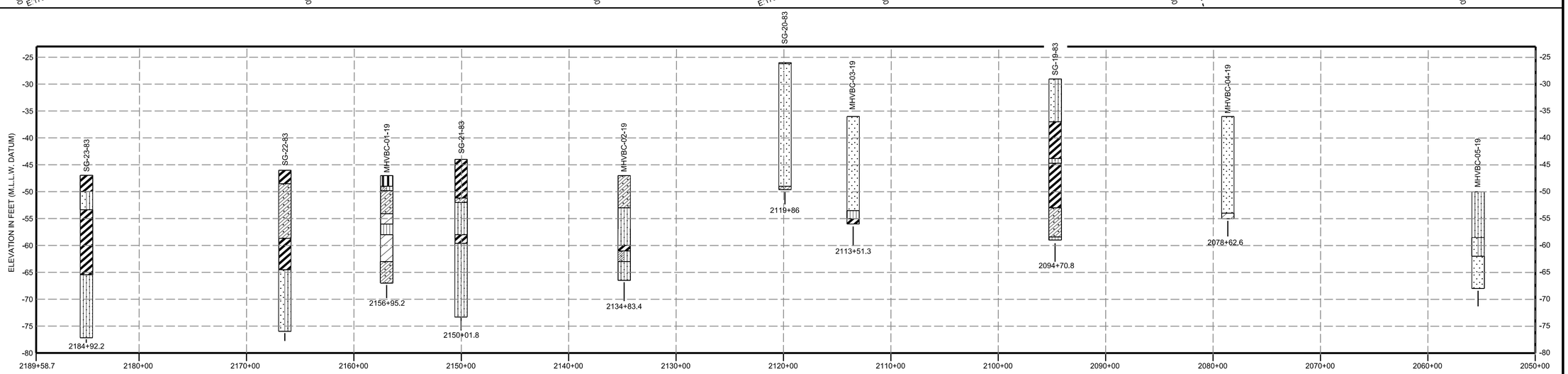
MOBILE, AL
MOBILE HARBOR, ALABAMA
DEEPENING AND WIDENING - PHASE 1

DREDGE DISPOSAL AREA

SHEET ID
CN105



BORING PLAN
SCALE: 1" = 500'



C1 BORING PROFILE
HORIZONTAL SCALE: 1" = 500'
VERTICAL SCALE: 1" = 10'

LEGEND

- GREEN GAS BUOY
- RED GAS BUOY
- XX-XX-XX BORING LOCATION

- SM - SILTY SANDS, SAND SILT MIXTURE
- SC - CLAYEY SANDS, CLAY + SAND MIXTURE
- ML - INORGANIC SILTS AND VERY FINE SANDS, SILTY OR CLAYEY FINE SANDS OR CLAYEY SILTS WITH SLIGHT PLASTICITY
- CL - INORGANIC CLAYS WITH LOW TO MEDIUM PLASTICITY, GRAVELY CLAYS, SILTY CLAYS, LEAN CLAYS
- CH - INORGANIC CLAYS WITH HIGH PLASTICITY, FAT CLAYS
- MH - INORGANIC SILT, MICACEOUS OR DIATOMACEOUS FINE SANDS OR SILTY SOILS, PLASTIC SILTS
- SP - POORLY GRADED SANDS

N

HORIZONTAL SCALE: 1" = 500'
0 500' 1000'

VERTICAL SCALE: 1" = 10'
0 10' 20'

NOTES:

1. SOILS ARE CLASSIFIED IN ACCORDANCE WITH THE UNITED SOIL CLASSIFICATION SYSTEM (USCS), ASTM D 2487 AND VISUAL- MANUAL PROCEDURES, ASTM D 2488.
2. WHILE THE BORINGS ARE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT THEIR RESPECTIVE LOCATIONS AND FOR THEIR RESPECTIVE VERTICAL REACHES, VARIATIONS IN CHARACTERISTICS OF THE SUBSURFACE MATERIALS ARE ANTICIPATED AND, IF ENCOUNTERED, SUCH VARIATIONS WILL NOT BE CONSIDERED AS DIFFERING MATERIALLY FROM THE DESCRIPTION SHOWN WITH THE BORING LOGS OR BORING PROFILES.
3. BORING LOCATIONS AND ELEVATIONS AS SHOWN ON THE BORING LOGS AND BORING PROFILES SHOULD BE CONSIDERED APPROXIMATE.
4. PHASE 1 WORK AREA EXTENDS FROM STATION 2075+00 TO 2189+58.71.

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

ISSUE DATE: JULY 2020
SOLICITATION NO.: W912F820B0003
CONTRACT NO.: WXXXXX-XX-X-XXX
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DRAWN BY: J GIBSON
CHECKED BY: E. GODSEY
SUBMITTED BY: B. CRAWFE
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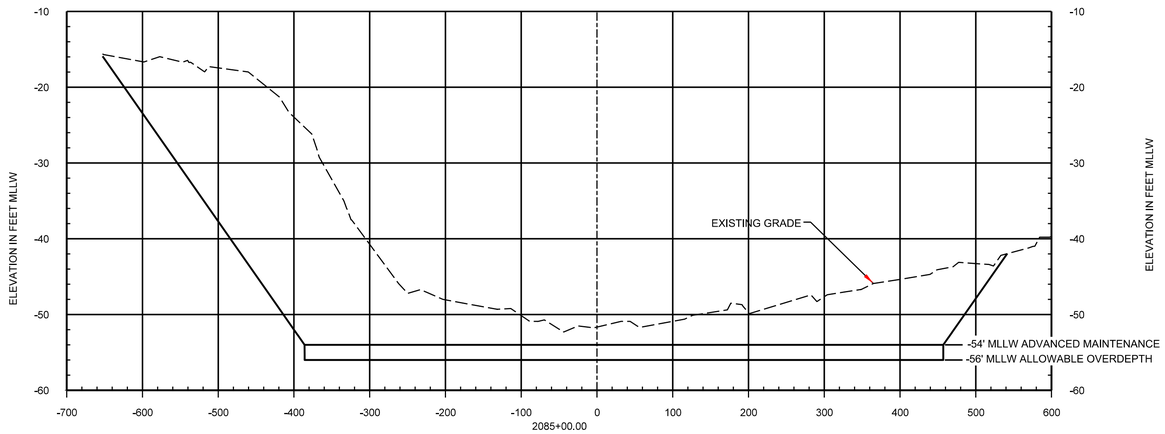
T.S.O SHEET FILE NAME:

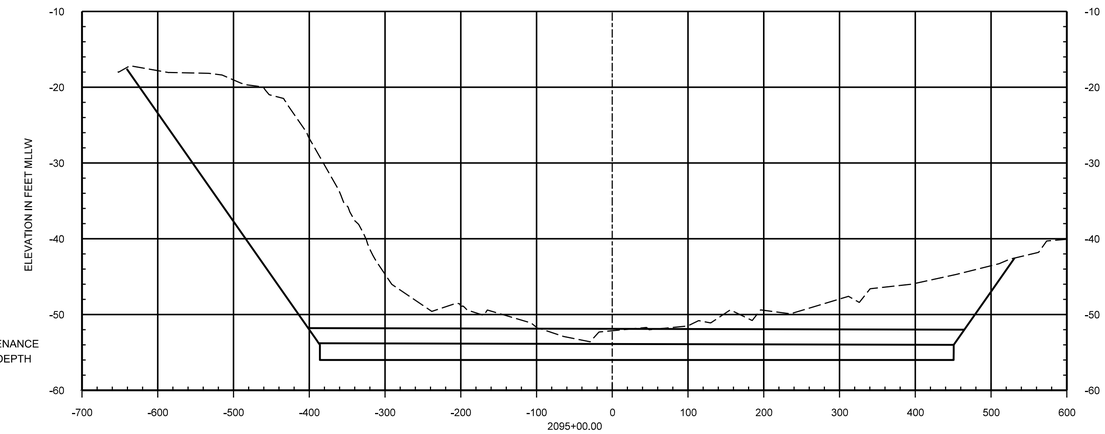
U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
109 ST. JOSEPH STREET
MOBILE, AL 36602

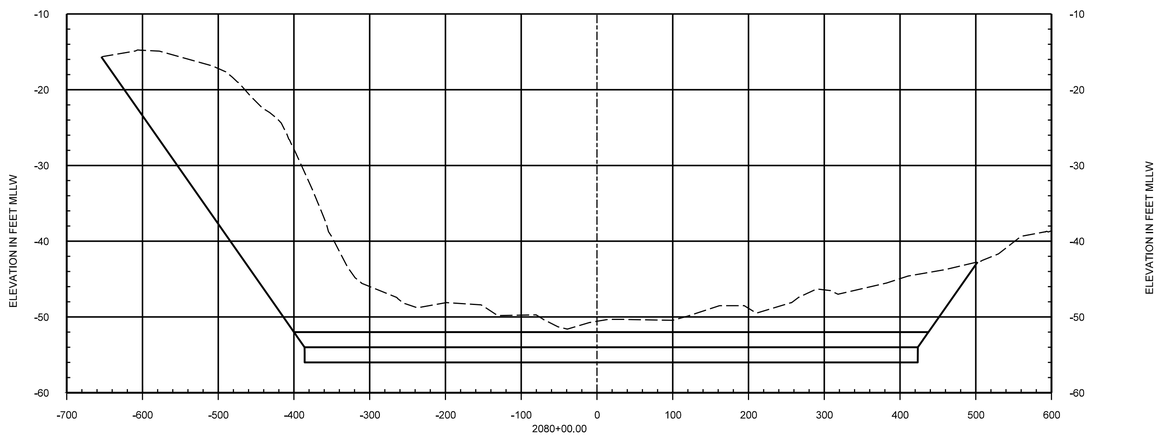
MOBILE, AL
MOBILE HARBOR, ALABAMA
DEEPENING AND WIDENING - PHASE 1

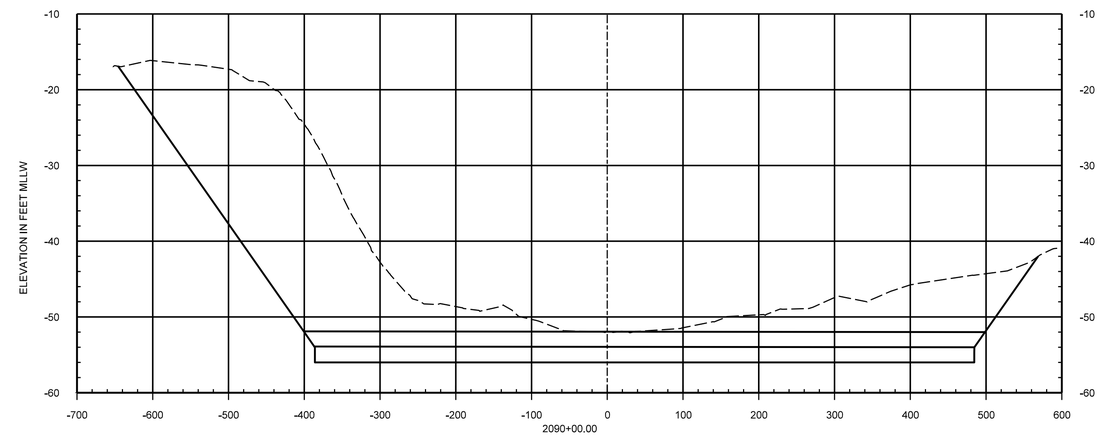
BORING PLAN AND PROFILE

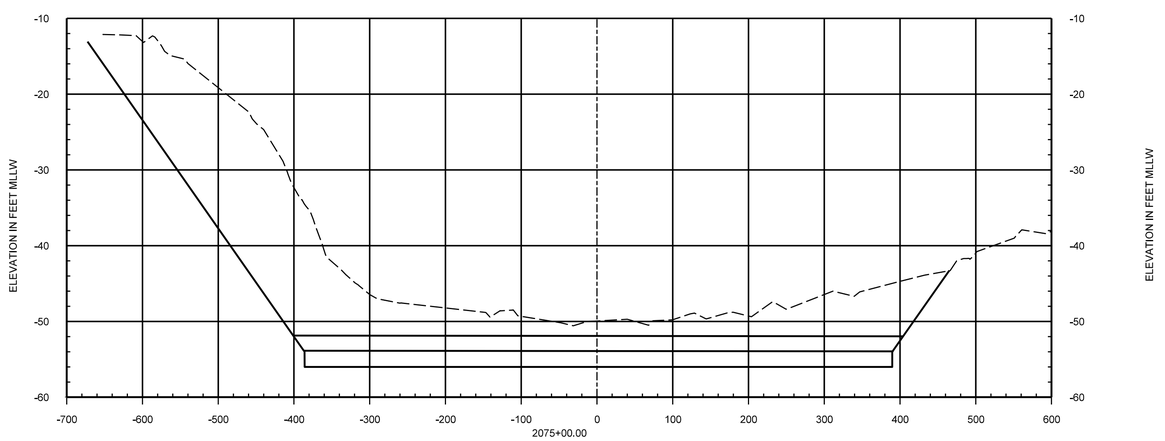
SHEET ID
CN106

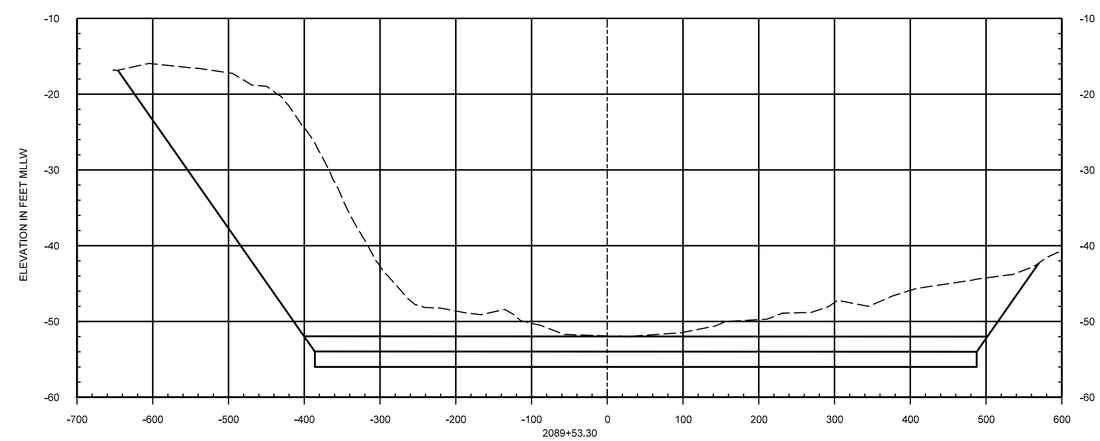












US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

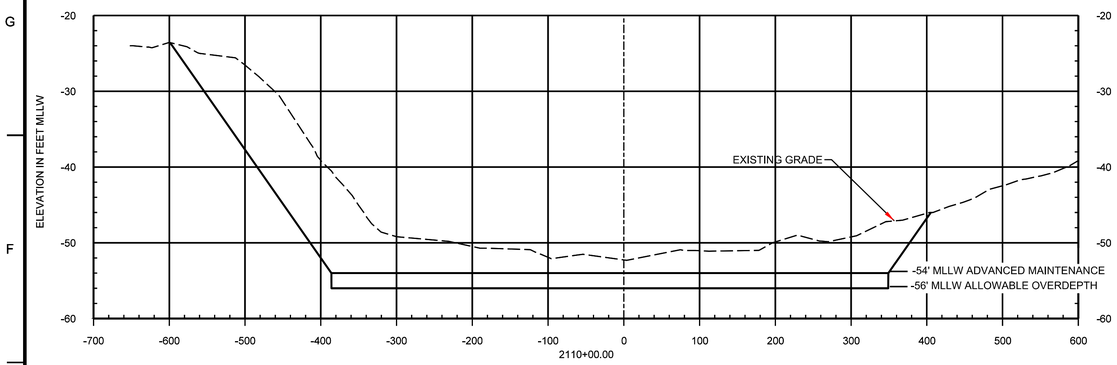
ISSUE DATE: JULY 2020
SOLICITATION NO.: W912780B0003
CONTRACT NO.: WXXXXX-XX-X-XXX
CADD CODE: CHC20001
DESIGNED BY: R. ALLEN
DRAWN BY: J. GIBSON
CHECKED BY: E. GODSEY
SUBMITTED BY: B. CRAUS
SIZE: ANSI D
CS/O SHEET FILE NAME: CHC20001-CN301.dgn

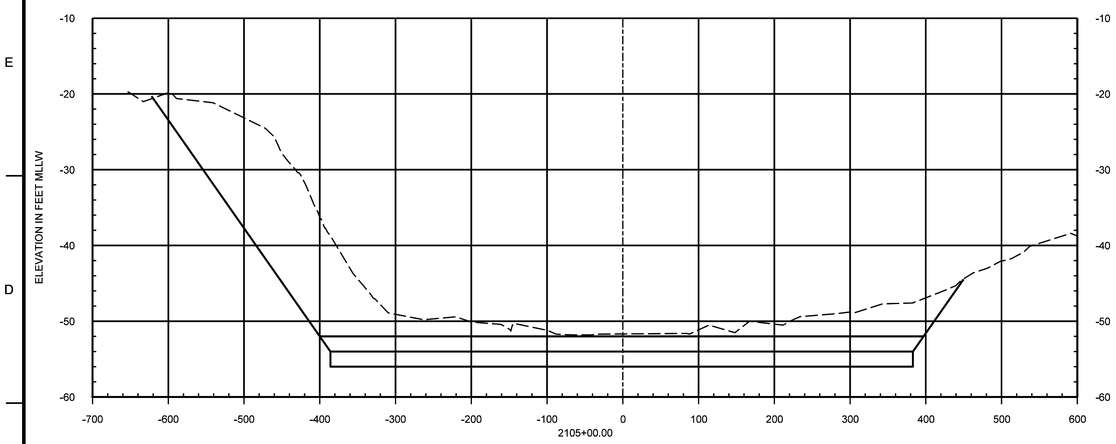
U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
109 ST. JOSEPH STREET
MOBILE, AL 36602

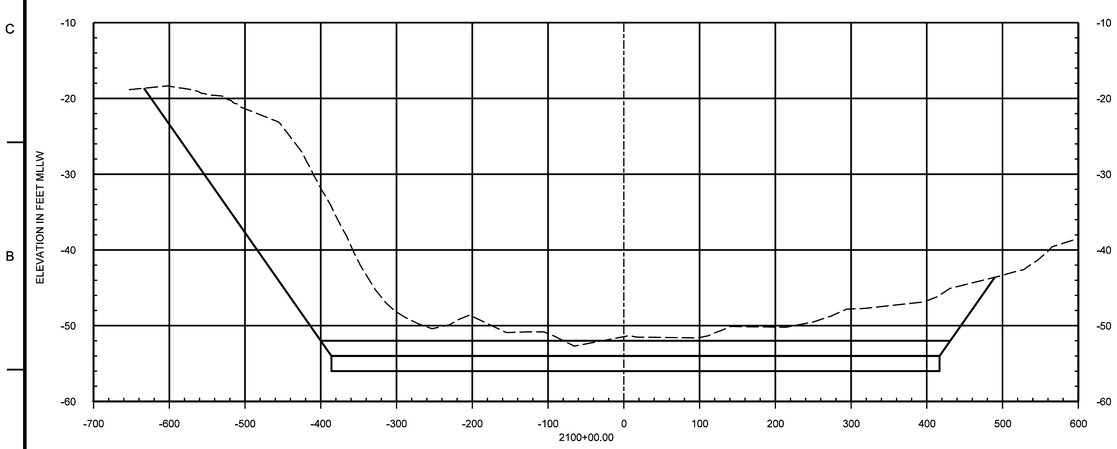
MOBILE, AL
MOBILE HARBOR, ALABAMA
DEEPENING AND WIDENING - PHASE 1

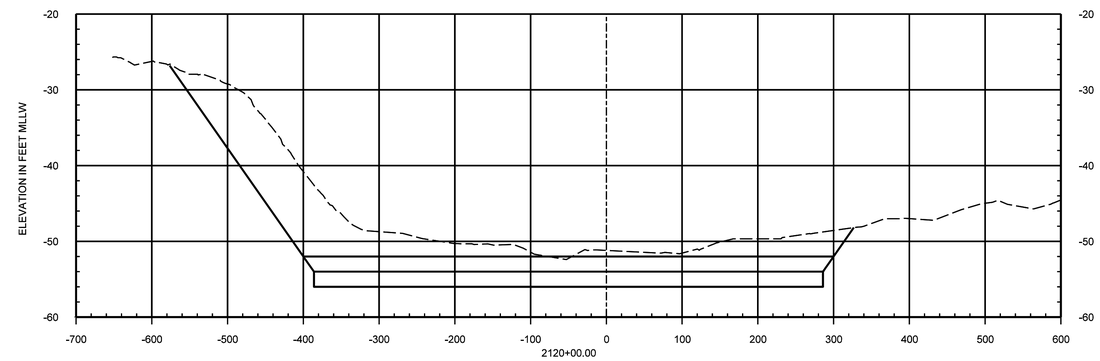
BAR CHANNEL
CROSS SECTIONS

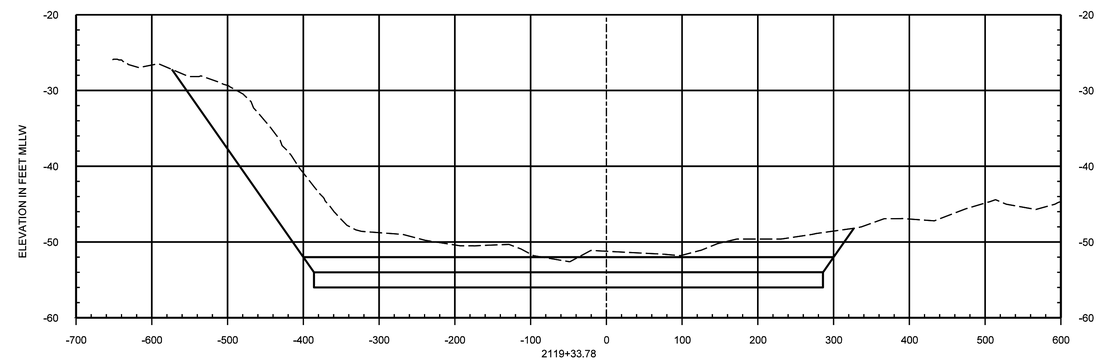
SHEET ID
CN301

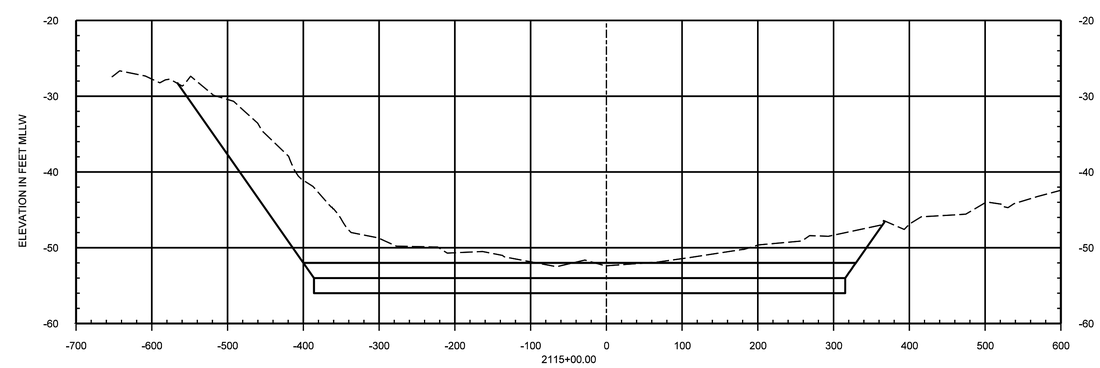












US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

ISSUE DATE: JULY 2020
SOLICITATION NO.: W912T820B0003
CONTRACT NO.: WXXXXX-XX-X-XXX
CADD CODE: CHC20001
SHEET FILE NAME: CHC20001-CN302.dgn

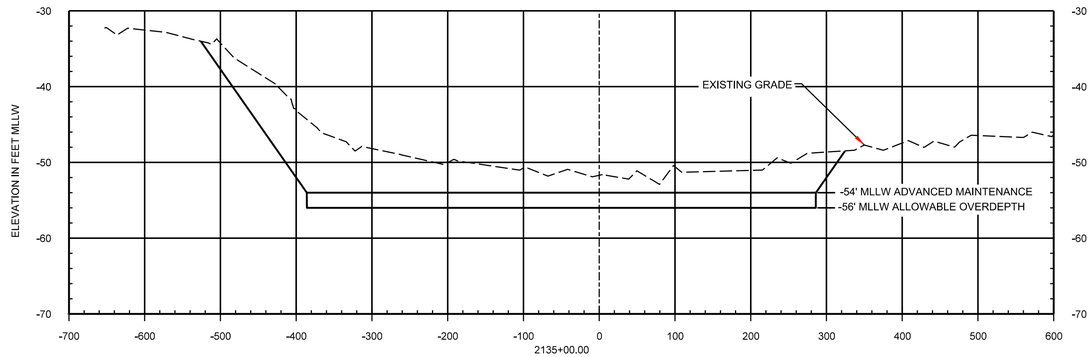
DESIGNED BY: R. ALLEN
DRAWN BY: J. GIBSON
CHECKED BY: E. GODSEY
SUBMITTED BY: B. CRAUSE
SIZE: ANSI D
U.S.C.O SHEET FILE NO.:

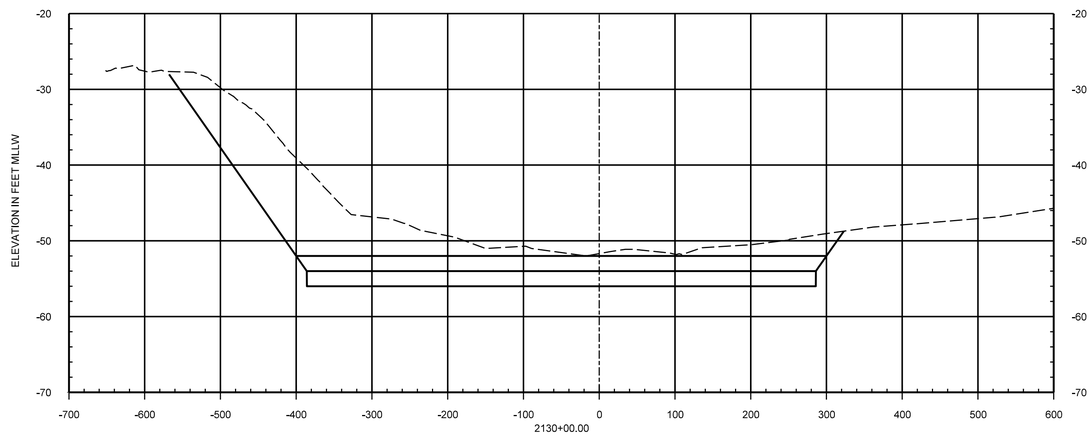
U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
109 ST. JOSEPH STREET
MOBILE, AL 36602

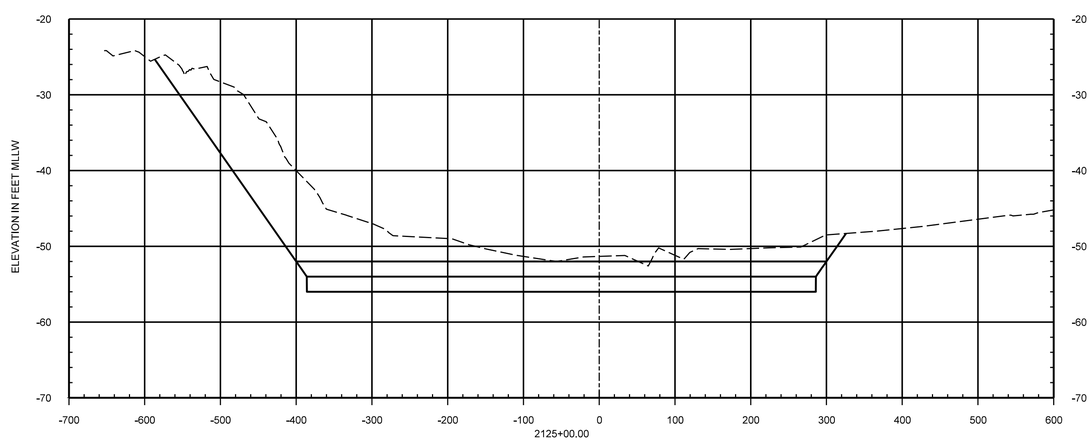
MOBILE, AL
MOBILE HARBOR, ALABAMA
DEEPENING AND WIDENING - PHASE 1

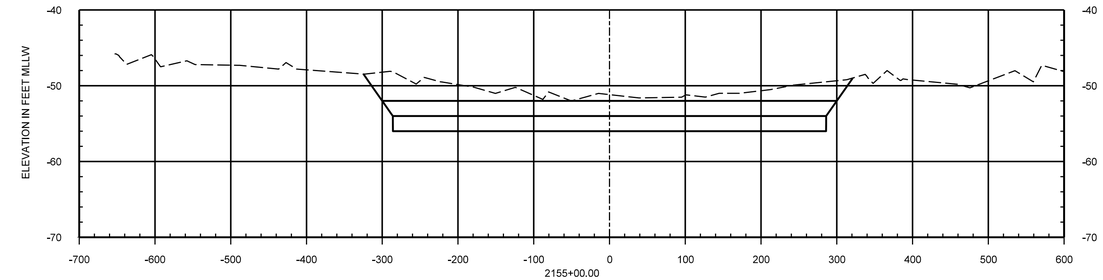
BAR CHANNEL
CROSS SECTIONS

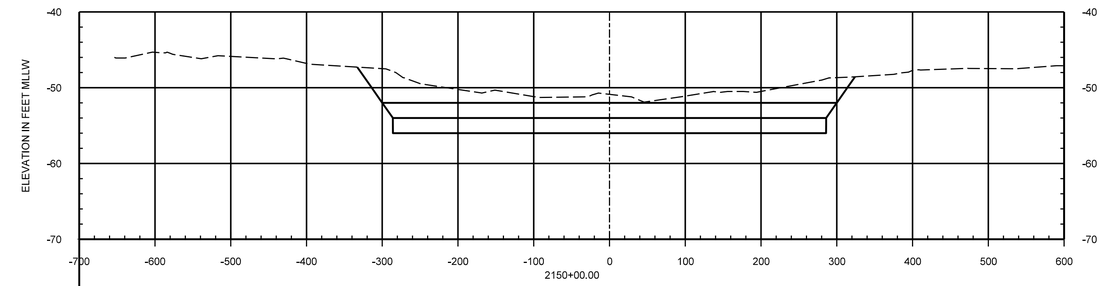
SHEET ID
CN302

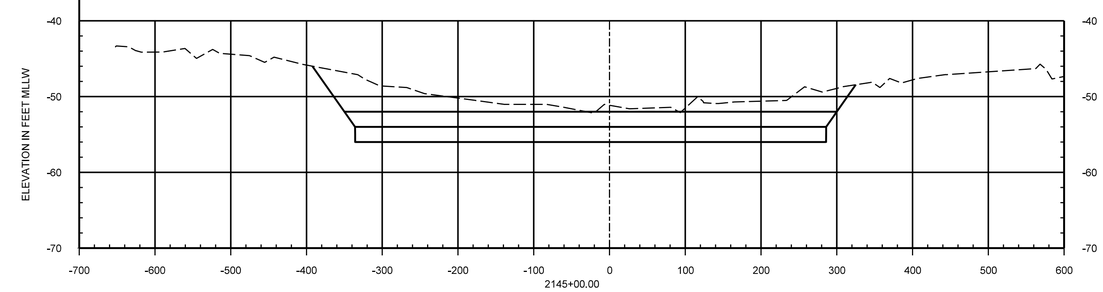


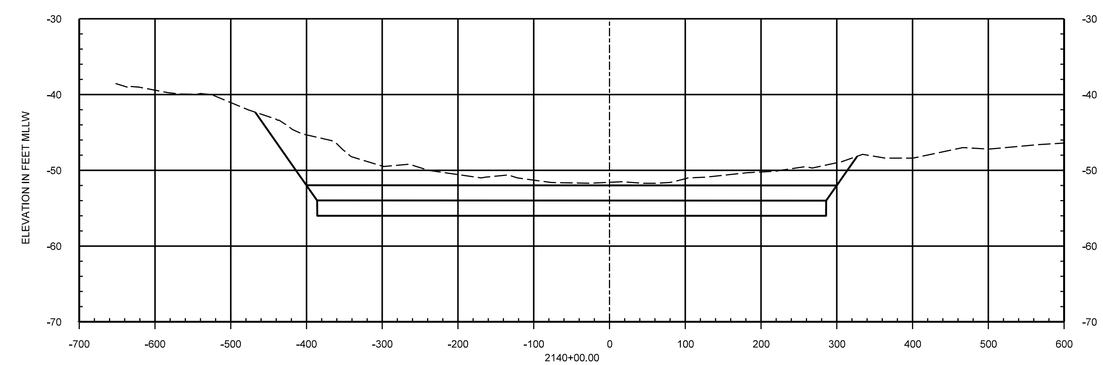












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MARK	DESCRIPTION	DATE

DESIGNED BY: R. ALLEN
DRAWN BY: J. GIBSON
CHECKED BY: E. GODSEY
SUBMITTED BY: B. CRANE
SIZE: ANSI D
ISSUE DATE: JULY 2020
SOLICITATION NO.: W912T20B0003
CONTRACT NO.: WXXXXX-XX-X-XXX
CADD CODE: CHC20001
T.S.O SHEET FILE NAME: CHC20001-CN303.dgn

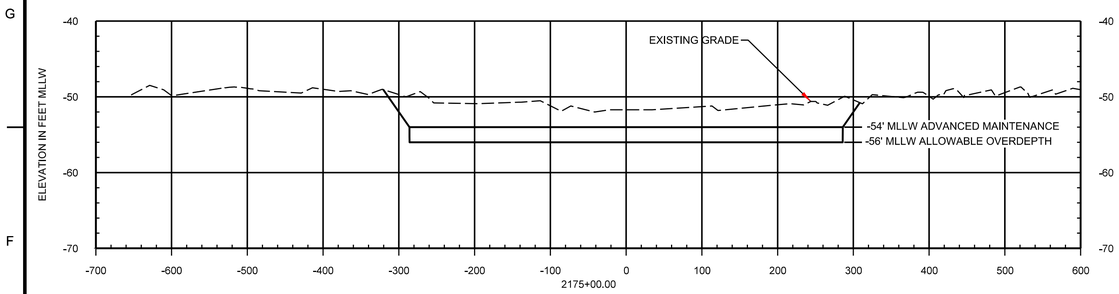
U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
109 ST. JOSEPH STREET
MOBILE, AL 36602

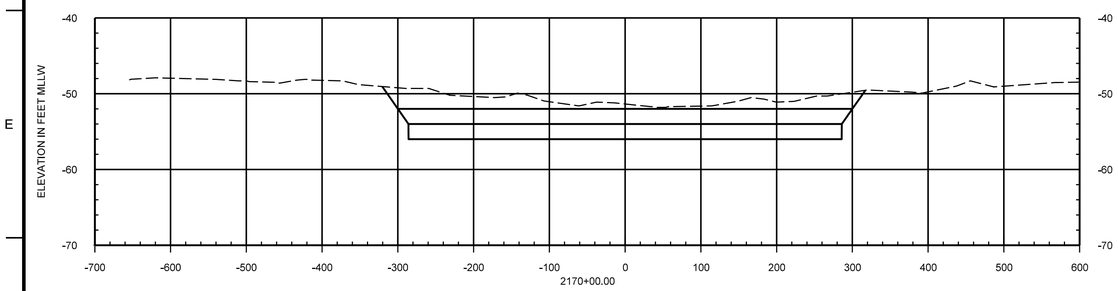
MOBILE, AL
MOBILE HARBOR, ALABAMA
DEEPENING AND WIDENING - PHASE 1

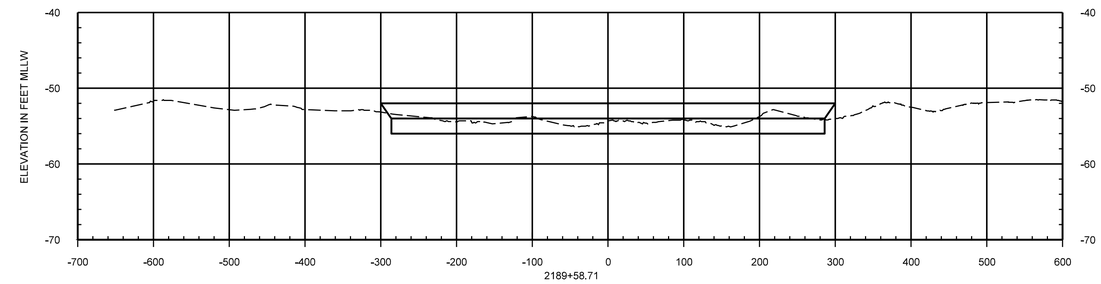
BAR CHANNEL CROSS SECTIONS

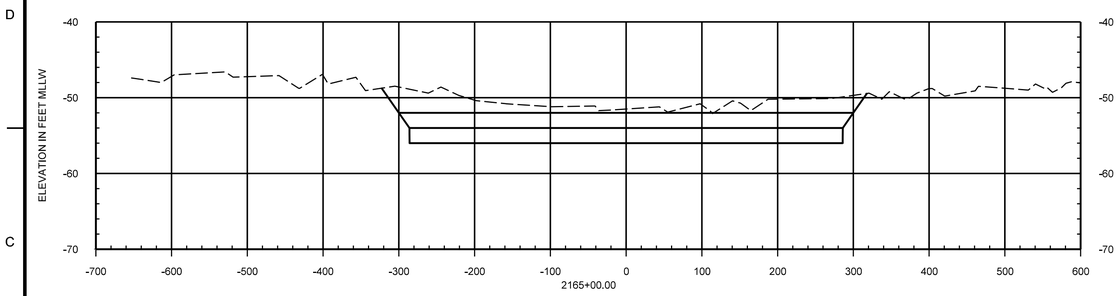
SHEET ID

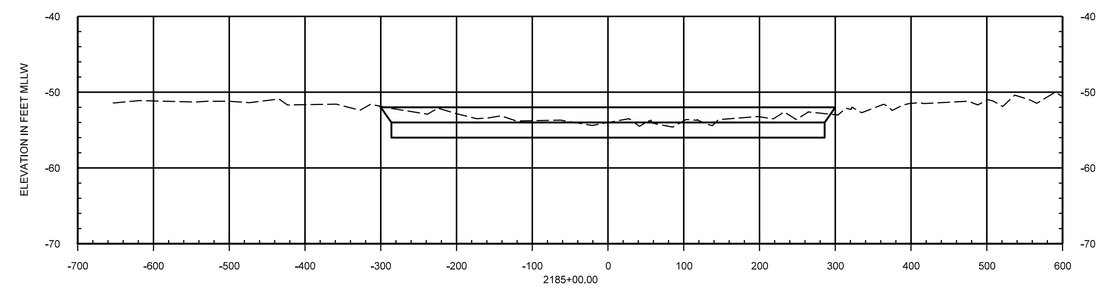
CN303

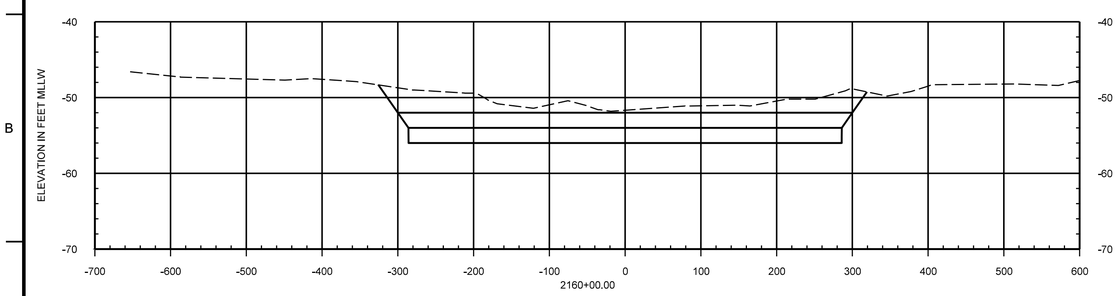


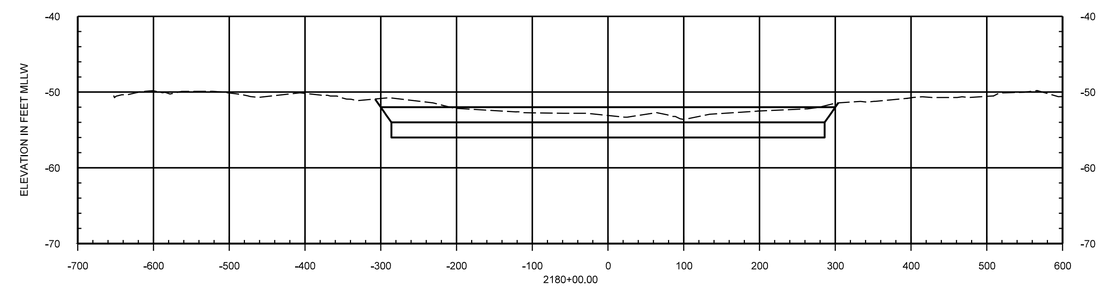












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DESIGNED BY: R. ALLEN
DRAWN BY: J. GIBSON
CHECKED BY: E. GODSEY
SUBMITTED BY: B. CRANE
SIZE: ANSI D
ISSUE DATE: JULY 2020
SOLICITATION NO.: W912F820B0003
CONTRACT NO.: WXXXXX-XX-X-XXX
CADD CODE: CHC20001
T&S/O SHEET FILE NAME: CHC20001-CN304.dgn

U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
109 ST. JOSEPH STREET
MOBILE, AL 36602

MOBILE, AL
MOBILE HARBOR, ALABAMA
DEEPENING AND WIDENING - PHASE 1

BAR CHANNEL
CROSS SECTIONS

SHEET ID
CN304