Port of New Orleans Deepening Feasibility Study

Appendix A: Engineering

Annex 4

Alternative 4: 50 ft Depth Drawings

March 2020

US Army Corps
of Engineers
New Orleans District

PORT OF NEW ORLEANS (PONO), DEEPENING FEASIBILITY STUDY, ALTERNATIVE 4, 50FT DEPTH

NEW ORLEANS PARISH, LA

US Army Corps of Engineers
NEW ORLEANS DISTRICT

MARK	DESCRIPTION	DATE	APPR.

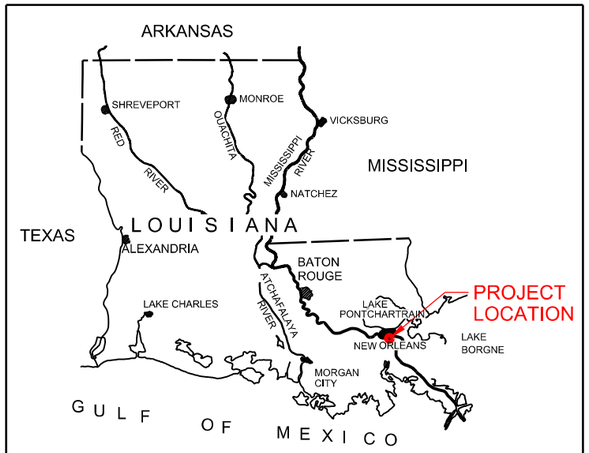
MARK	DESCRIPTION	DATE	APPR.

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

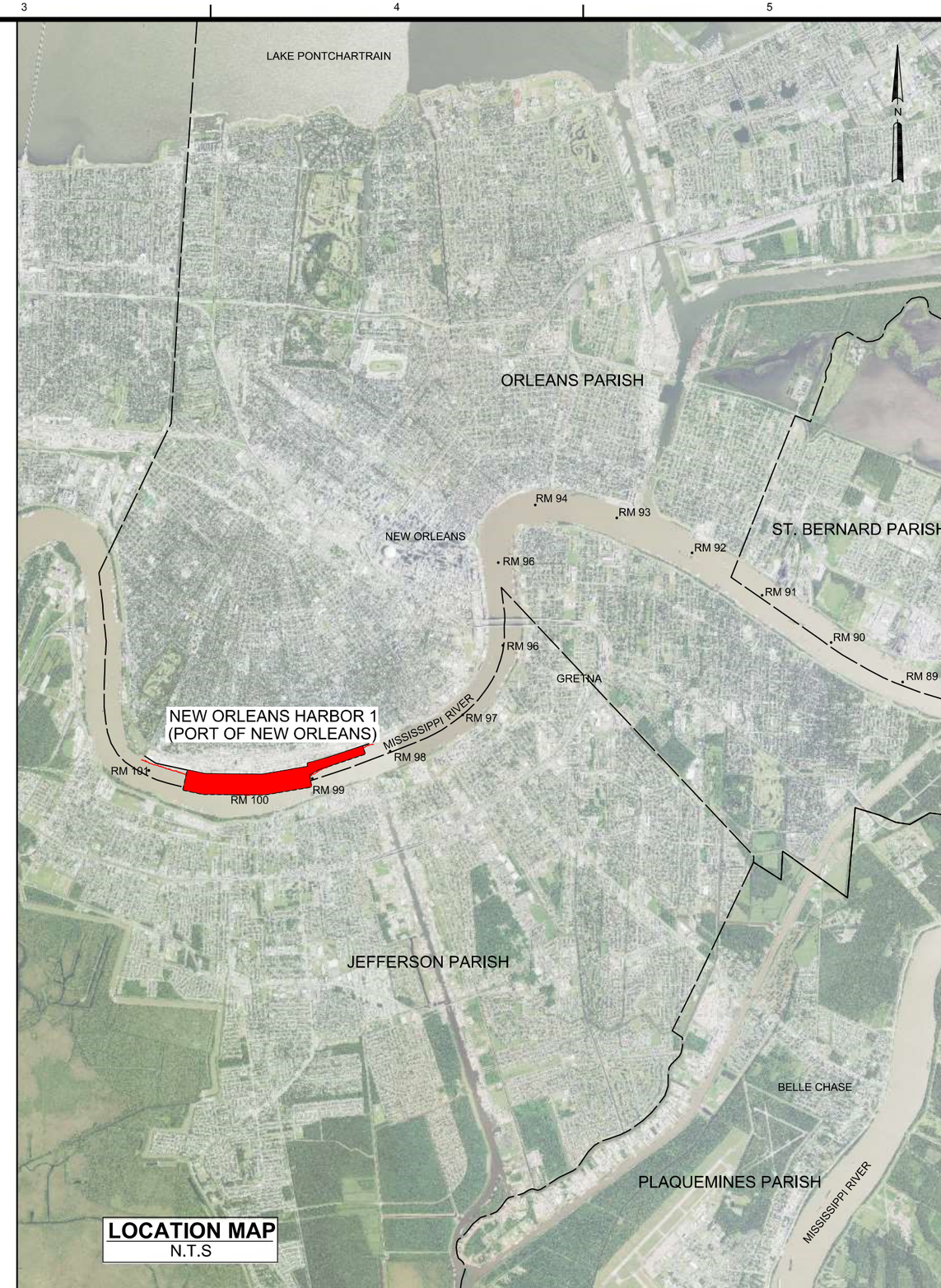
DESIGNED BY: PATRICK R. GREY
DATE:
DWN BY: P.R.G.
CKD BY: J.A.B.
SOLICITATION NO.:
SUBMITTED BY: P.R.G.
CONTRACT NO.:
PLOT SCALE: 1:1
PLOT DATE: 09/15/2020
FILE NUMBER:
SIZE: ANSI D
FILE NAME:

PORT OF NEW ORLEANS (PONO), DEEPENING FEASIBILITY STUDY, NEW ORLEANS PARISH, LA.
ALTERNATIVE 4
COVER SHEET

SHEET IDENTIFICATION
G-01



VICINITY MAP
N.T.S



LOCATION MAP
N.T.S

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MARK	DESCRIPTION	DATE	APPR.

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

DESIGNED BY: PATRICK R. GREY
DWN BY: P.R.G.
CKD BY: J.A.B.
SUBMITTED BY: P.R.G.
PLOT SCALE: 1:60000.41
PLOT DATE: 24-Feb-2020
SIZE: ANSI D
FILE NAME:
DATE:
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:

PORT OF NEW ORLEANS (PONO), DEEPENING FEASIBILITY STUDY, NEW ORLEANS PARISH, LA.
ALTERNATIVE 4
LOCATION & VICINITY MAP

SHEET IDENTIFICATION
G-02

ABBREVIATIONS

* UNLESS OTHERWISE NOTED ON EACH SHEET

APPROX.	APPROXIMATE	N.T.S.	NOT TO SCALE
B/L	BASELINE	P.I.	POINT OF INTERSECTION
C/L	CENTERLINE	STA.	STATION
DWG	DRAWING	V	VERTICAL
EL.	ELEVATION	X	EASTING
EXIST.	EXISTING	Y	NORTHING
FT	FEET	(+/-)	APPROXIMATE
H	HORIZONTAL		
M.L.G.	MEAN LOW GULF		

INDEX OF DRAWINGS

SHEET #	SHEET NAME
G-01	COVER SHEET
G-02	PROJECT LOCATION AND VICINITY MAP
G-03	INDEX, ABBREVIATIONS, & GENERAL NOTES
G-04	DATUM REFERENCES
C-01	OVERALL PLAN
C-02	DREDGE TEMPLATES
C-03	USACE APPROACH CHANNEL, CROSS SECTIONS STA. 29+72 TO STA. 38+00
C-04	USACE APPROACH CHANNEL, CROSS SECTIONS STA. 40+00 TO STA. 48+00
C-05	USACE APPROACH CHANNEL, CROSS SECTIONS STA. 50+00 TO STA. 60+00
C-06	USACE APPROACH CHANNEL, CROSS SECTIONS STA. 62+00 TO STA. 72+00
C-07	USACE APPROACH CHANNEL, CROSS SECTIONS STA. 74+00 TO STA. 82+00
C-08	USACE APPROACH CHANNEL, CROSS SECTIONS STA. 84+00 TO STA. 94+00
C-09	USACE APPROACH CHANNEL, CROSS SECTIONS STA. 96+00 TO STA. 106+00
C-10	USACE APPROACH CHANNEL, CROSS SECTIONS STA. 108+00 TO STA. 113+10
C-11	USACE APPROACH CHANNEL, CROSS SECTIONS STA. 114+00 TO STA. 121+82
C-12	USACE APPROACH CHANNEL, CROSS SECTIONS STA. 122+00 TO STA. 130+00
C-13	USACE APPROACH CHANNEL, CROSS SECTIONS STA. 131+98 TO STA. 140+00
C-14	USACE APPROACH CHANNEL, CROSS SECTIONS STA. 142+00 TO STA. 149+86
C-15	PONO PHASE II, REACH 2 CONSTRUCTION, CROSS SECTIONS, STA. 49+00 TO STA. 53+00

GENERAL NOTES:

1. ALTERNATIVE AUTHORIZED DEPTH OF 50' BELOW THE LOW WATER REFERENCE PLANE (LWRP), ELEVATION -49.4' NAVD88, FOR A DEEPENED APPROACH CHANNEL BETWEEN B/L STATION 41+22.67 AND STATION 78+49.49. THE REMAINING STUDY LIMITS WILL HAVE A AUTHORIZED APPROACH CHANNEL DEPTH OF 35' BELOW THE LWRP, ELEVATION -34.4' NAVD88.

2. BOTH THE 50' AND 35' AUTHORIZED DEPTHS WILL PERMIT AN ADDITIONAL 2' DEPTH FOR ADVANCE DREDGING, AND AN ADDITIONAL 2' DEPTH FOR OVER DEPTH.

3. CROSS SECTIONS AND QUANTITIES ARE BASED ON USACE OPERATIONS SURVEY CONDUCTED ON 06 AUG 2019 SURVEYS, DATUM NAVD88.

4. APPROACH CHANNEL DREDGING QUANTITIES ASSUME INITIAL CONSTRUCTION WILL COMMENCE AFTER THE ANNUAL USACE O&M MAINTENANCE DREDGING TO ELEVATION -37.4 NAVD88 IS COMPLETED. ALTERNATIVE CONSTRUCTION QUANTITIES DO NOT INCLUDE CUT QUANTITIES ABOVE ELEVATION -37.4 NAVD88.

5. DREDGE DISPOSAL WILL BE ADJACENT DISPOSAL AT THE NATURALLY OCCURRING ELEVATION -55' NAVD88 CONTOUR WITHIN THE RIVER.

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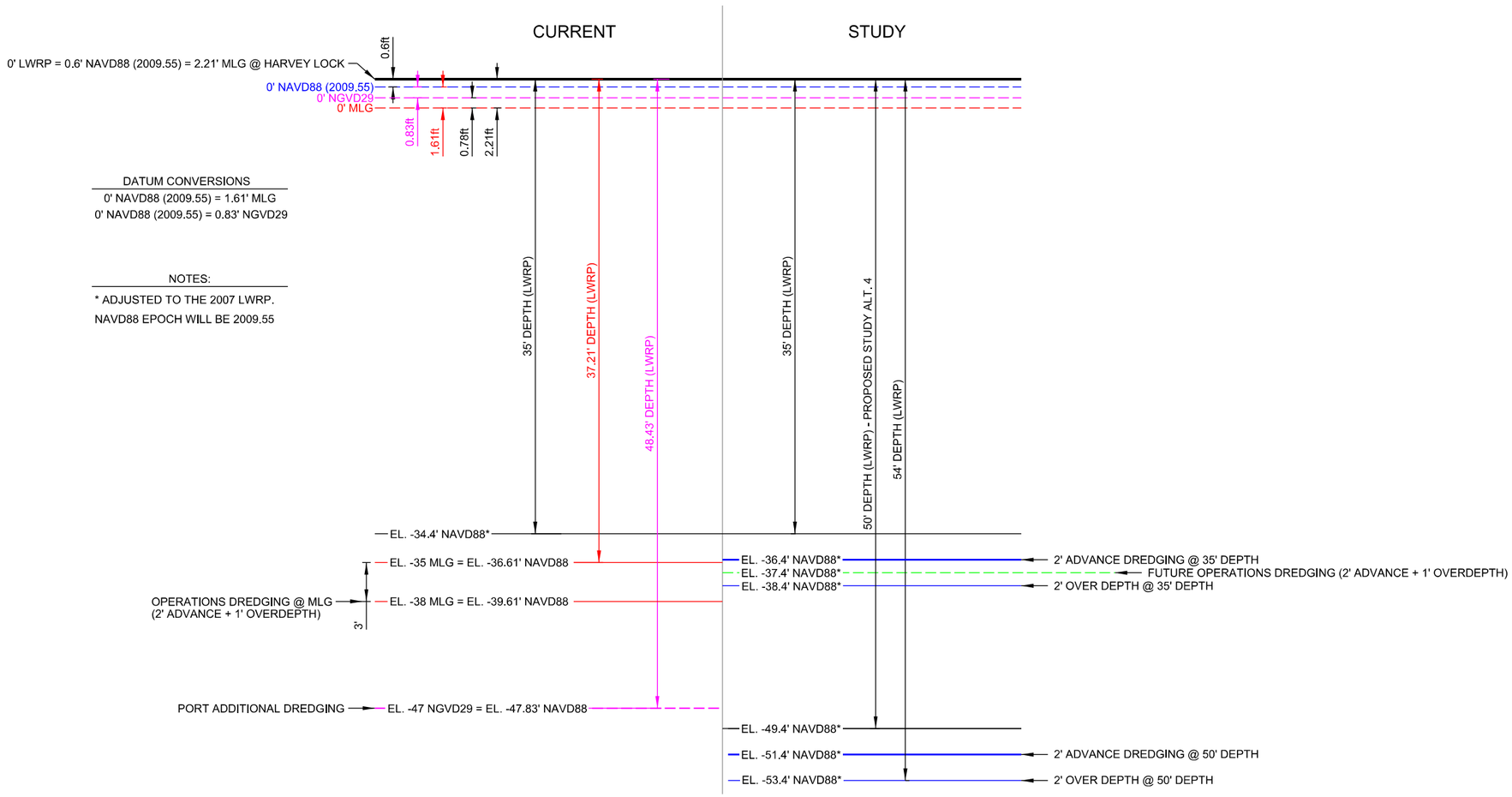
NEW ORLEANS, LOUISIANA

DESIGNED BY: PATRICK R. GREY
DWN BY: P.R.G.
CKD BY: J.A.B.
SUBMITTED BY: P.R.G.
DATE:
SOLICITATION NO.:
CONTRACT NO.:
PLOT SCALE: 1:1
PLOT DATE: 01-14-2020
FILE NUMBER:
SIZE: ANSI D
FILE NAME: G-03 Index, Legend, Abbreviations, & Notes.dgn

PORT OF NEW ORLEANS (PONO), DEEPENING FEASIBILITY STUDY, NEW ORLEANS PARISH, LA.
ALTERNATIVE 4
INDEX, ABBREVIATIONS, & GENERAL NOTES

SHEET IDENTIFICATION
G-03

NEW ORLEANS HARBOR I



DATUM CONVERSIONS

0' NAVD88 (2009.55) = 1.61' MLG

0' NAVD88 (2009.55) = 0.83' NGVD29

NOTES:

* ADJUSTED TO THE 2007 LWRP.

NAVD88 EPOCH WILL BE 2009.55

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MARK	DESCRIPTION	DATE	APPR.

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

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DATE:
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CKD BY: J.A.B.
SOLICITATION NO.:
SUBMITTED BY: P.R.G.
CONTRACT NO.:
PLOT SCALE: 60:1
PLOT DATE: 01-01-2020
FILE NUMBER:
SIZE: ANSI D
FILE NAME:

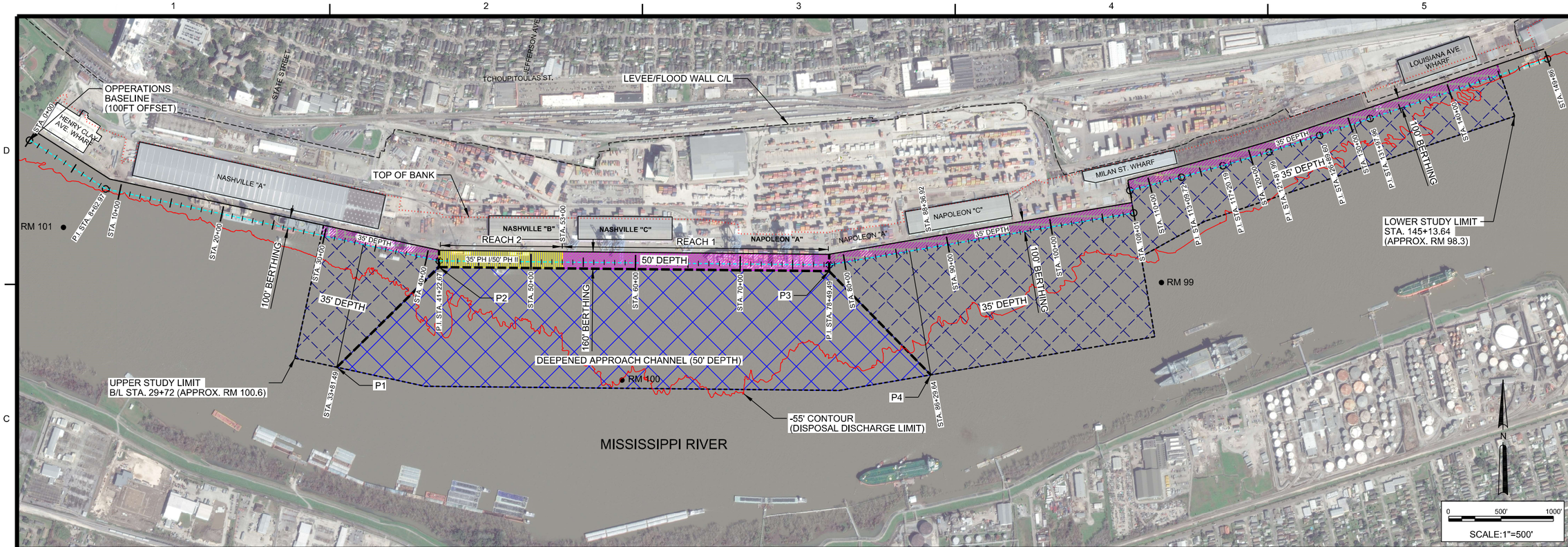
PORT OF NEW ORLEANS (PONO), DEEPENING FEASIBILITY STUDY, NEW ORLEANS PARISH, LA.

ALTERNATIVE 4

DATUM RELATIONSHIPS

SHEET IDENTIFICATION

G-04



BASELINE - 100' OFFSET

STA.	EASTING	NORTHING
0+00	X 3661654.256	Y 516579.333
8+62.97	X 3662381.101	Y 516114.130
41+22.67	X 3665571.115	Y 515427.099
78+49.49	X 3669294.205	Y 515388.646
108+01	X 3672203.202	Y 515884.880
108+01	X 3672166.029	Y 516099.199
113+09.72	X 3672659.247	Y 516225.828
117+20.19	X 3673055.002	Y 516334.747
121+81.99	X 3673497.520	Y 516466.793
126+89.60	X 3673979.732	Y 516625.341
131+97.96	X 3674461.933	Y 516786.332
149+86.20	X 3676156.841	Y 517356.489

STUDY LIMITS

STA.	EASTING	NORTHING
29+72	X 3664442.760	Y 515669.643
145+13.64	X 3675708.941	Y 517205.818

DEEPENED APPROACH CHANNEL LIMITS

45°ANGLE	STA.	ACTUAL POINT COORDINATE		
UPSTREAM APPROACH	41+22.67	P1:	X 3664590.309	Y 514410.259
	41+22.67	P2:	X 3665566.962	Y 515367.138
DOWNSTREAM APPROACH	78+49.49	P3:	X 3669293.585	Y 515328.649
	145+13.64	P4:	X 3670265.037	Y 514336.922

SHEET LEGEND

- AUTHORIZED STUDY LIMITS
- OPERATION'S BASELINE, 100FT OFFSET FROM FACE OF WHARF
- DEEPENED APPROACH CHANNEL LIMITS
- TOP OF BANK (APPROXIMATE)
- LEVEE/FLOOD WALL C/L
- USACE - APPROACH CHANNEL (DEEPENED TO 50' DEPTH)
- USACE - APPROACH CHANNEL (REMAINING STUDY LIMITS, 35' DEPTH)
- PONO - 160' WIDE BERTHING AREA REACH 1 (50' DEPTH PHASE I)
- PONO - 160' WIDE BERTHING AREA REACH 2 (35' DEPTH PHASE I - 50' DEPTH PHASE II)
- PONO- 100' WIDE BERTHING (REMAINING STUDY LIMITS, 35' DEPTH)
- BASELINE PI.
- RIVER MILE (RM)

ALTERNATIVE 2 - 50' DEEPENED APPROACH CHANNEL/35' DEPTH

	LIMITS	USACE APPROACH CHANNEL	PORT BERTHING AREA
PHASE I	DEEPENED APPROACH CHANNEL LIMITS	50' DEPTH BELOW LWRP	50' DEPTH BELOW LWRP (REACH 1) 35' DEPTH BELOW LWRP (REACH 2)
	REMAINING STUDY LIMITS	35' DEPTH BELOW LWRP	35' DEPTH BELOW LWRP
PHASE II	DEEPENED APPROACH CHANNEL LIMITS	SAME AS PHASE I	50' DEPTH BELOW LWRP (REACH 2)
	REMAINING STUDY LIMITS	SAME AS PHASE I	SAME AS PHASE I

NOTES

ADVANCE DREDGING: ADDITIONAL 2' DEPTH.
OVER DEPTH: ADDITIONAL 2' DEPTH.
VERTICAL DATUM: NAVD88 (2009.55)
DEPTH CONTROL: LOW WATER REFERENCE PLANE (LWRP)
PHASE I TO PHASE II DURATION: ASSUME 5 YEARS
PORT BERTHING CHANGE: 100' TO 160' WIDE BETWEEN STA. 41+22.67 TO STA. 78+49.49

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NEW ORLEANS DISTRICT

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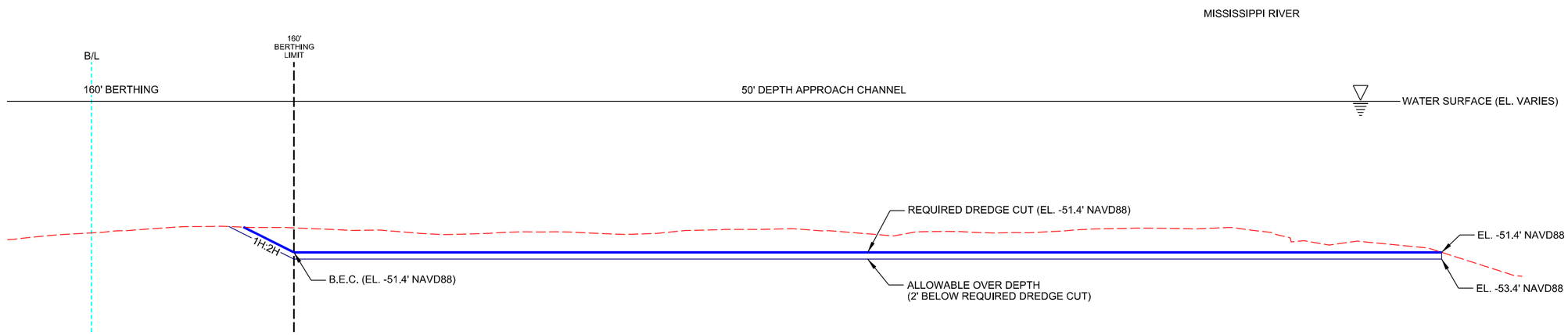
NEW ORLEANS DISTRICT
NEW ORLEANS, LOUISIANA

DESIGNED BY: PATRICK R. GREY
DWN BY: P.R.G.
CKD BY: J.A.B.
SUBMITTED BY: P.R.G.
SIZE: ANSI D
FILE NAME:
PLOT SCALE: 1:1
PLOT DATE: 01-13-2020
DATE:
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:

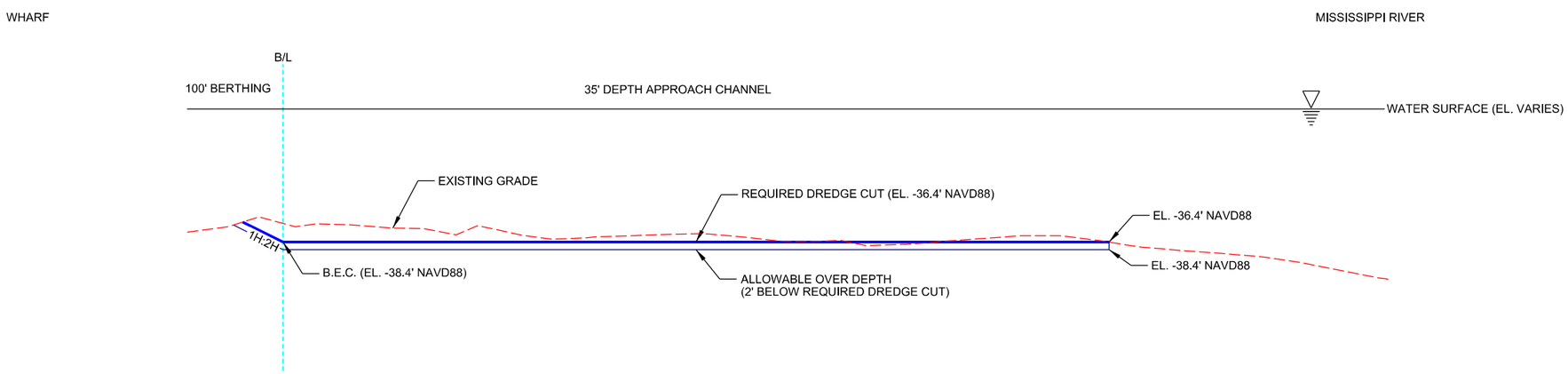
PORT OF NEW ORLEANS (PONO), DEEPENING FEASIBILITY STUDY, NEW ORLEANS PARISH, LA.
ALTERNATIVE 4
OVERALL PLAN

SHEET IDENTIFICATION
C-01



USACE APPROACH CHANNEL, 50' DEPTH
STA. 41+22.67 TO STA. 78+49.49

N.T.S.



USACE APPROACH CHANNEL, 35' DEPTH
STA. 29+72 TO STA. 41+22.67
&
STA. 78+49.49 TO STA. 145+13.64

N.T.S.

US Army Corps of Engineers®
NEW ORLEANS DISTRICT

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

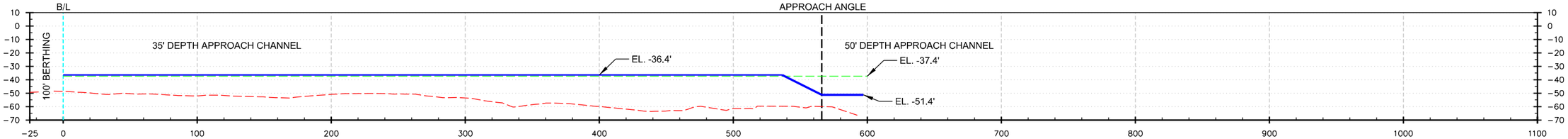
DESIGNED BY: PATRICK R. GREY
DATE:
DWN BY: P.K.G.
CKD BY: J.A.B.
SOLICITATION NO.:
SUBMITTED BY: P.K.G.
CONTRACT NO.:
PLOT SCALE: 48" = 1'
PLOT DATE: 01-13-2020
FILE NUMBER:
SIZE: ANSI D
FILE NAME:

PORT OF NEW ORLEANS (PONO), DEEPENING FEASIBILITY STUDY, NEW ORLEANS PARISH, LA.

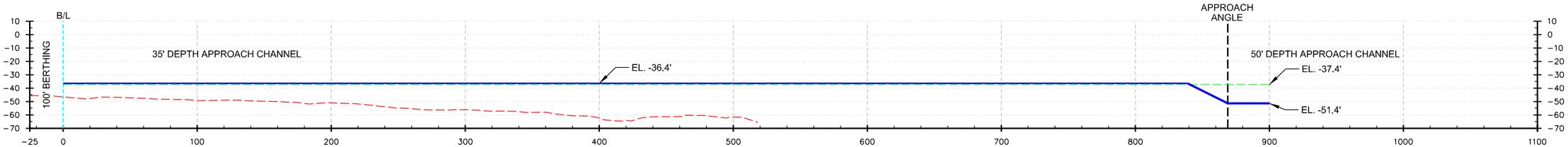
ALTERNATIVE 4

DREDGE TEMPLATES

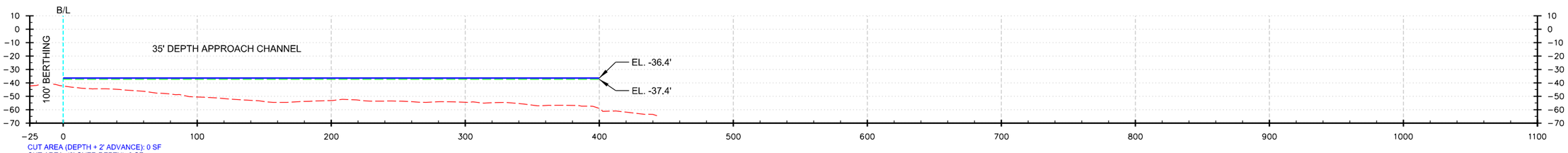
SHEET IDENTIFICATION
C-02



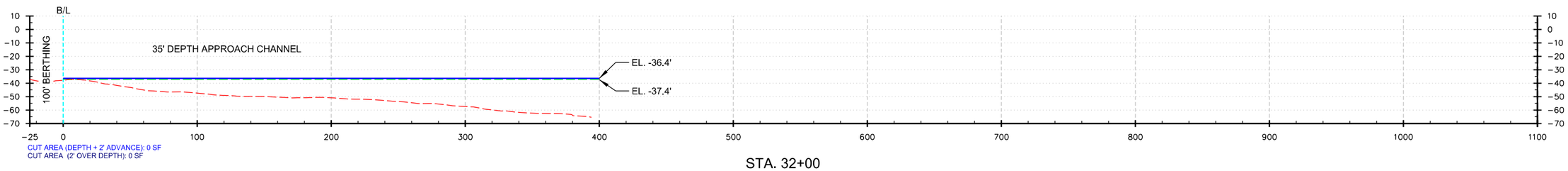
STA. 38+00



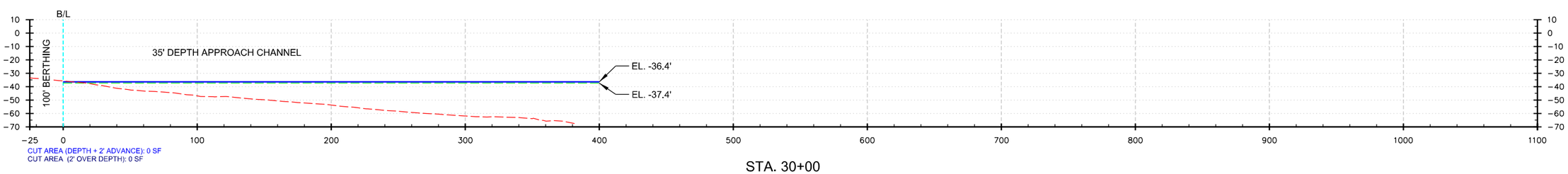
STA. 36+00



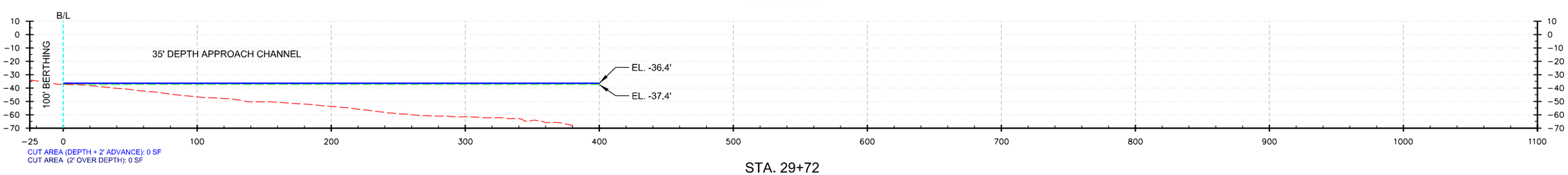
STA. 34+00



STA. 32+00



STA. 30+00



STA. 29+72

SHEET LEGEND

- EXISTING GRADE (06 AUG 2019 NAVD88)
- OPERATIONS MAINTENANCE GRADE (EL -37.4' NAVD88)
- PROPOSED DEPTH + 2' ADVANCE (EL. -36.4' NAVD88/EL. -51.4' NAVD88)
- 2' OVER DEPTH (EL. -38.4'NAVD88/EL. -53.4' NAVD88)
- PROPOSED DEPTH CUT + 2' ADVANCE CUT (EL. -36.4' NAVD88/EL. -51.4' NAVD88)
- 2' OVER DEPTH CUT (EL. -38.4'NAVD88/EL. -53.4' NAVD88)

US Army Corps of Engineers
NEW ORLEANS DISTRICT

MARK	DESCRIPTION	DATE	APPR.

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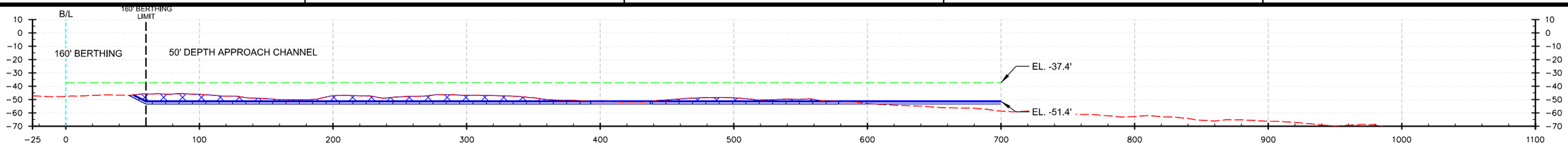
U.S. ARMY CORPS OF ENGINEERS
NEW ORLEANS DISTRICT
NEW ORLEANS, LOUISIANA

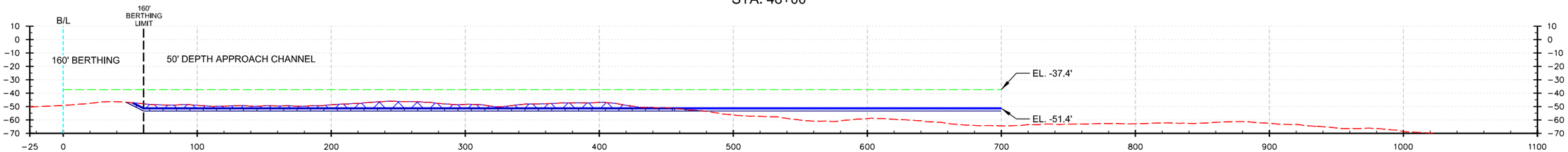
DESIGNED BY: PATRICK R. GREY
DWN BY: P.R.G.
CKD BY: J.A.B.
SUBMITTED BY: P.R.G.
DATE:
SOLICITATION NO.:
CONTRACT NO.:
PLOT SCALE: 1:1
PLOT DATE: 6/24/2020
SIZE: ANSI D
FILE NAME:
FILE NUMBER:

PORT OF NEW ORLEANS (PONO), DEEPENING FEASIBILITY STUDY, NEW ORLEANS PARISH, LA.
ALTERNATIVE 4
USACE APPROACH CHANNEL, CROSS SECTIONS, STA. 29+72 TO STA. 38+00

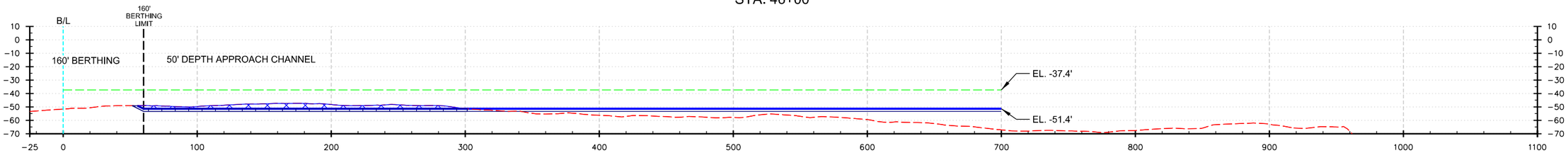
SHEET IDENTIFICATION
C-03



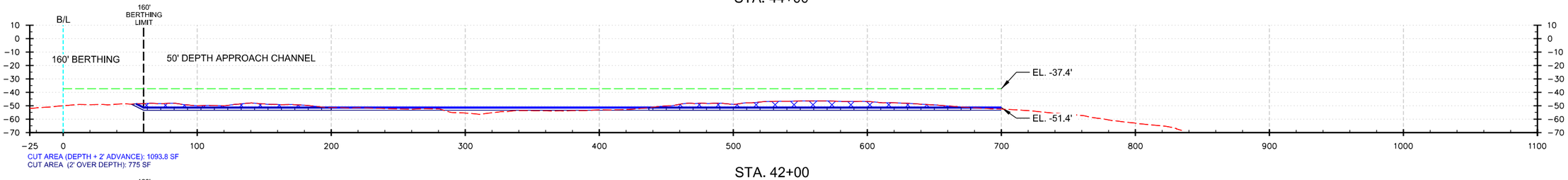
STA. 48+00



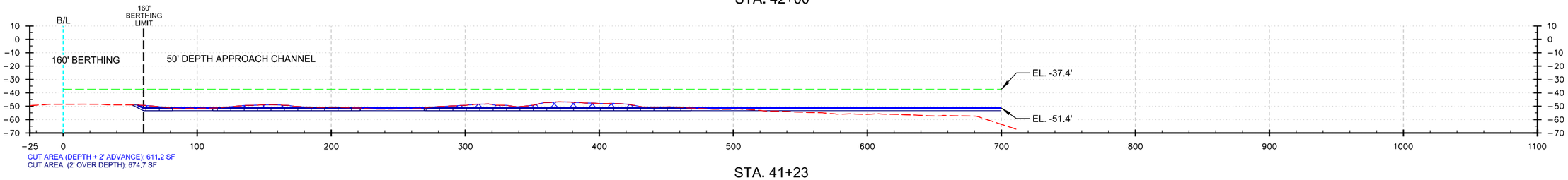
STA. 46+00



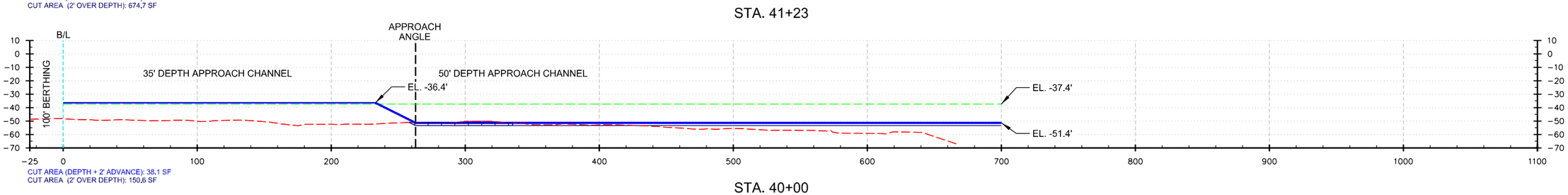
STA. 44+00



STA. 42+00



STA. 41+23



STA. 40+00

SHEET LEGEND

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- OPERATIONS MAINTENANCE GRADE (EL -37.4' NAVD88)
- PROPOSED DEPTH + 2' ADVANCE (EL. -36.4' NAVD88/EL. -51.4' NAVD88)
- 2' OVER DEPTH (EL. -38.4'NAVD88/EL. -53.4' NAVD88)
- PROPOSED DEPTH CUT + 2' ADVANCE CUT (EL. -36.4' NAVD88/EL. -51.4' NAVD88)
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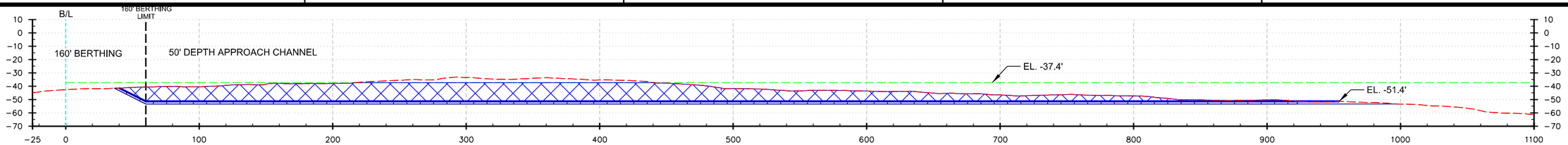
SOLICITATION NO.:
CONTRACT NO.:
PLOT SCALE: 40:1
PLOT DATE: 01-01-2020
FILE NUMBER:
SIZE: ANSI D
FILE NAME:

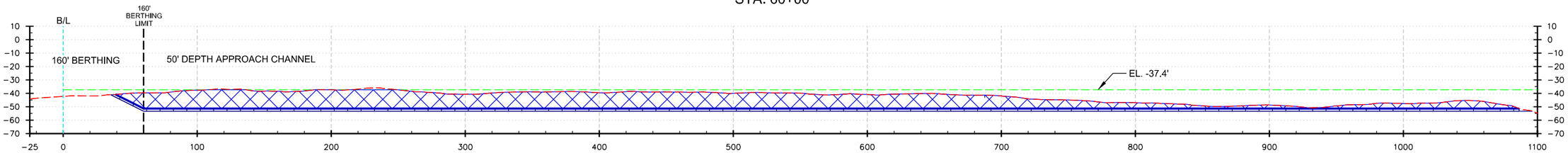
U.S. ARMY CORPS OF ENGINEERS
NEW ORLEANS DISTRICT
NEW ORLEANS, LOUISIANA

PORT OF NEW ORLEANS (PONO), DEEPENING FEASIBILITY STUDY, NEW ORLEANS PARISH, LA.
ALTERNATIVE 4
USACE APPROACH CHANNEL, CROSS SECTIONS
STA. 40+00 TO STA. 48+00

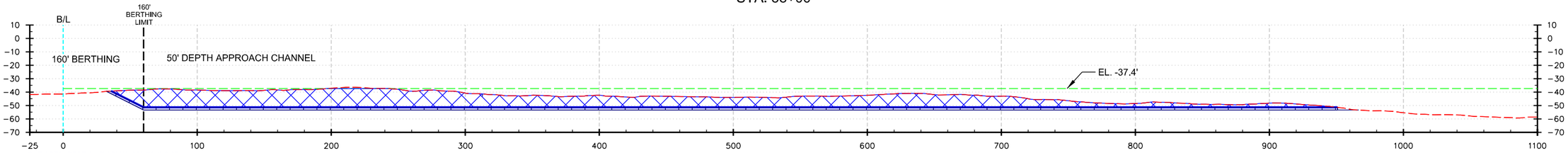
SHEET IDENTIFICATION
C-04



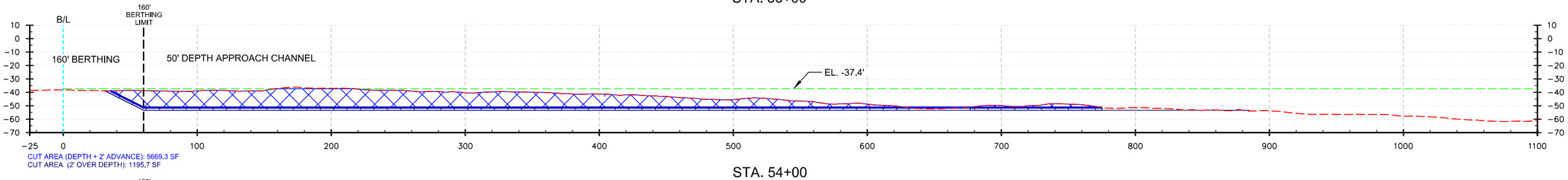
STA. 60+00



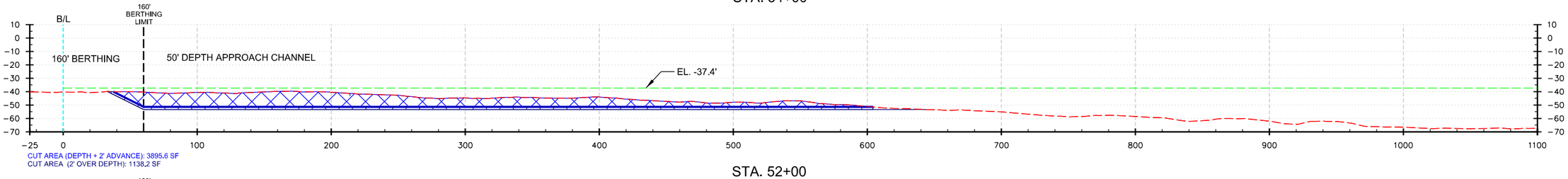
STA. 58+00



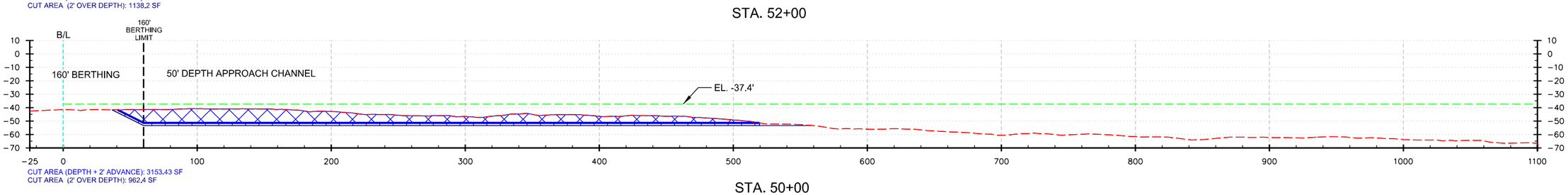
STA. 56+00



STA. 54+00



STA. 52+00



STA. 50+00

SHEET LEGEND

- EXISTING GRADE (06 AUG 2019 NAVD88)
- OPERATIONS MAINTENANCE GRADE (EL -37.4' NAVD88)
- PROPOSED DEPTH + 2' ADVANCE (EL. -36.4' NAVD88/EL. -51.4' NAVD88)
- 2' OVER DEPTH (EL. -38.4'NAVD88/EL. -53.4' NAVD88)
- PROPOSED DEPTH CUT + 2' ADVANCE CUT (EL. -36.4' NAVD88/EL. -51.4' NAVD88)
- 2' OVER DEPTH CUT (EL. -38.4'NAVD88/EL. -43.4' NAVD88)

US Army Corps of Engineers®
NEW ORLEANS DISTRICT

MARK	DESCRIPTION	DATE	APPR.

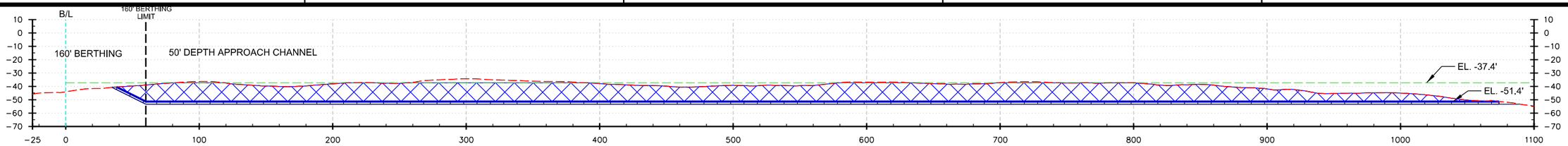
MARK	DESCRIPTION	DATE	APPR.

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

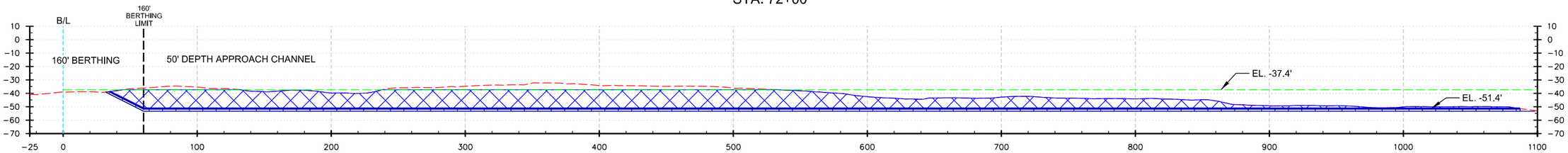
DESIGNED BY: PATRICK R. GREY
DWN BY: P.R.G.
CKD BY: J.A.B.
SUBMITTED BY: P.R.G.
DATE:
SOLICITATION NO.:
CONTRACT NO.:
PLOT SCALE: 40:1
PLOT DATE: 6/24/2020
FILE NUMBER:
SIZE: ANSI D
FILE NAME:

PORT OF NEW ORLEANS (PONO), DEEPENING FEASIBILITY STUDY, NEW ORLEANS PARISH, LA.
ALTERNATIVE 4
USACE APPROACH CHANNEL, CROSS SECTIONS
STA. 50+00 TO STA. 60+00

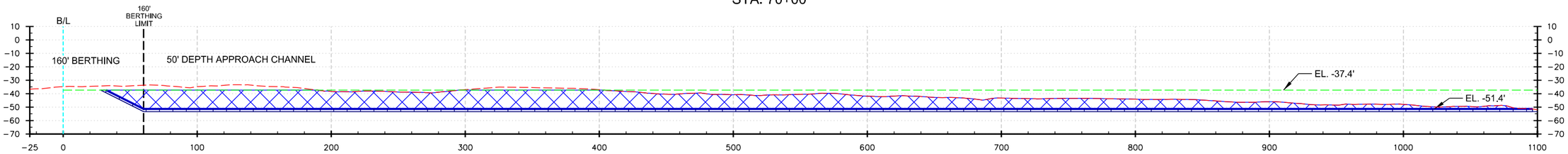
SHEET IDENTIFICATION
C-05



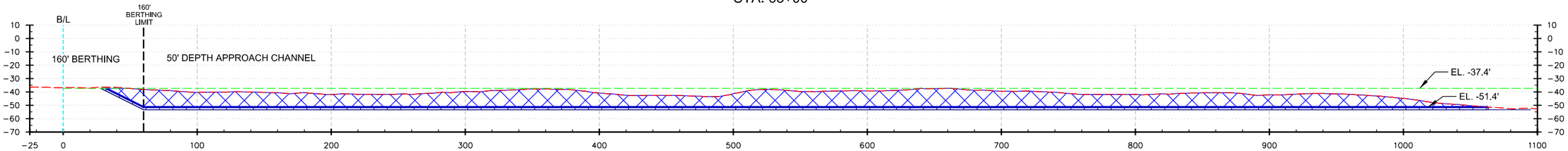
STA. 72+00



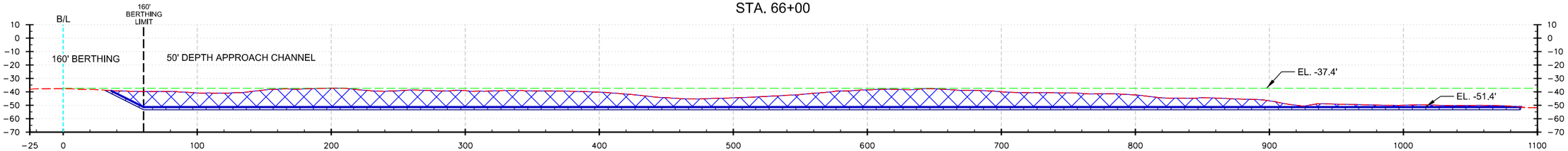
STA. 70+00



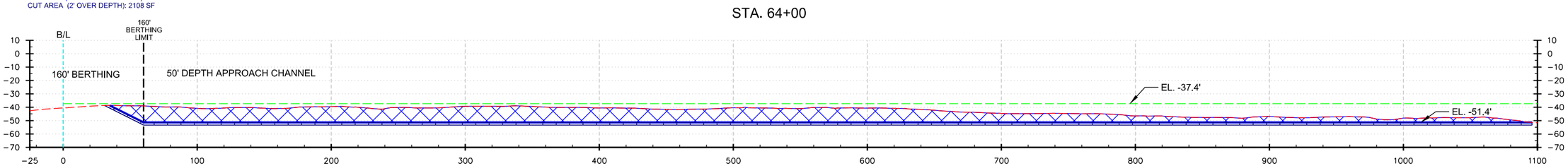
STA. 68+00



STA. 66+00



STA. 64+00



STA. 62+00

SHEET LEGEND

- EXISTING GRADE (06 AUG 2019 NAVD88)
- OPERATIONS MAINTENANCE GRADE (EL -37.4' NAVD88)
- PROPOSED DEPTH + 2' ADVANCE (EL. -36.4' NAVD88/EL. -51.4' NAVD88)
- 2' OVER DEPTH (EL. -38.4'NAVD88/EL. -53.4' NAVD88)
- PROPOSED DEPTH CUT + 2' ADVANCE CUT (EL. -36.4' NAVD88/EL. -51.4' NAVD88)
- 2' OVER DEPTH CUT (EL. -38.4'NAVD88/EL. -53.4' NAVD88)

US Army Corps of Engineers®
NEW ORLEANS DISTRICT

MARK	DESCRIPTION	DATE	APPR.

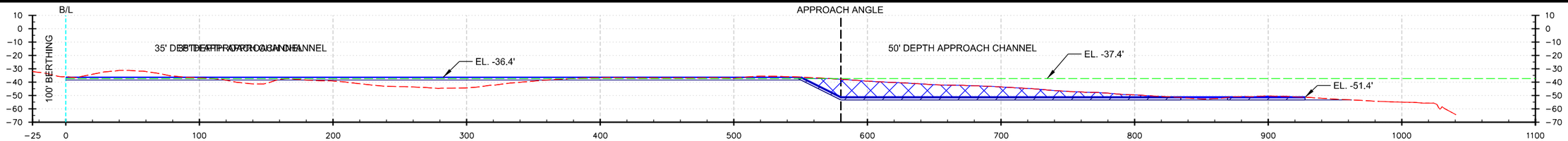
MARK	DESCRIPTION	DATE	APPR.

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

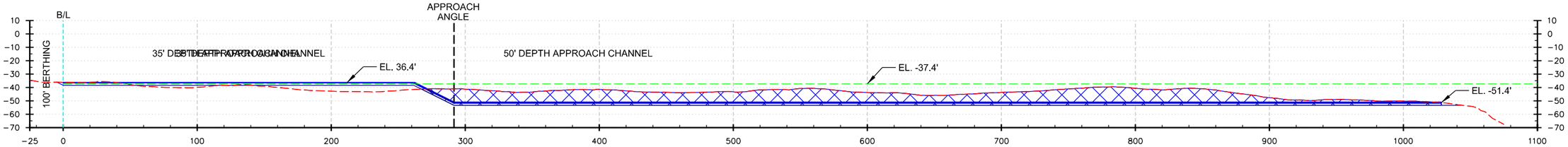
DESIGNED BY: PATRICK R. GREY
DWN BY: P.R.G.
CKD BY: J.A.B.
SUBMITTED BY: P.R.G.
PLOT SCALE: ASPECT
PLOT DATE: 01-01-2020
SIZE: ANSI D
FILE NAME:
DATE:
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:

PORT OF NEW ORLEANS (PONO), DEEPENING FEASIBILITY STUDY, NEW ORLEANS PARISH, LA.
ALTERNATIVE 4
USACE APPROACH CHANNEL, CROSS SECTIONS
STA. 62+00 TO STA. 72+00

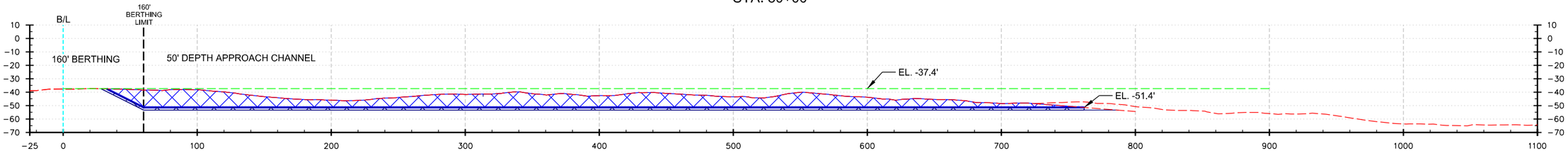
SHEET IDENTIFICATION
C-06



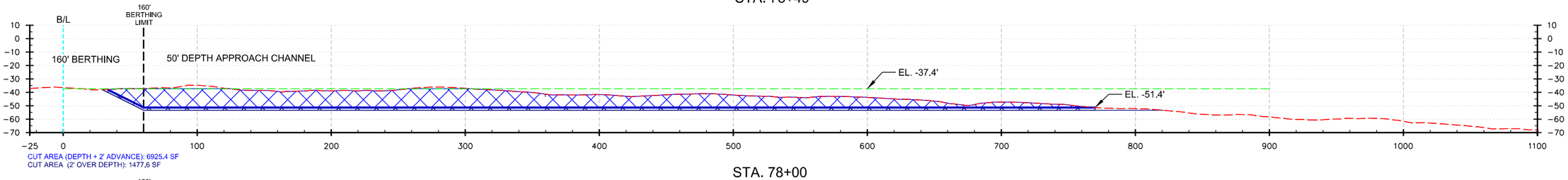
STA. 82+00



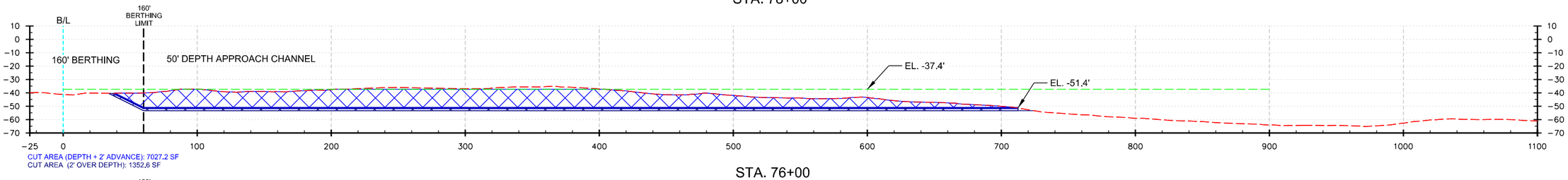
STA. 80+00



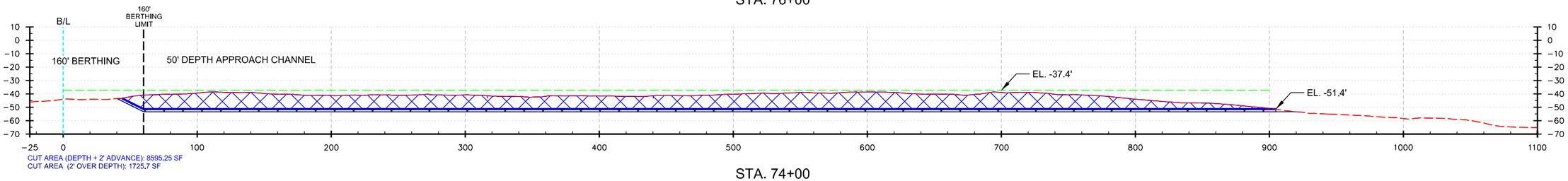
STA. 78+49



STA. 78+00



STA. 76+00



STA. 74+00

SHEET LEGEND

- EXISTING GRADE (06 AUG 2019 NAVD88)
- OPERATIONS MAINTENANCE GRADE (EL -37.4' NAVD88)
- PROPOSED DEPTH + 2' ADVANCE (EL. -36.4' NAVD88/EL. -51.4' NAVD88)
- 2' OVER DEPTH (EL. -38.4'NAVD88/EL. -53.4' NAVD88)
- PROPOSED DEPTH CUT + 2' ADVANCE CUT (EL. -36.4' NAVD88/EL. -51.4' NAVD88)
- 2' OVER DEPTH CUT (EL. -38.4'NAVD88/EL. -53.4' NAVD88)

US Army Corps of Engineers®
NEW ORLEANS DISTRICT

MARK	DESCRIPTION	DATE	APPR.

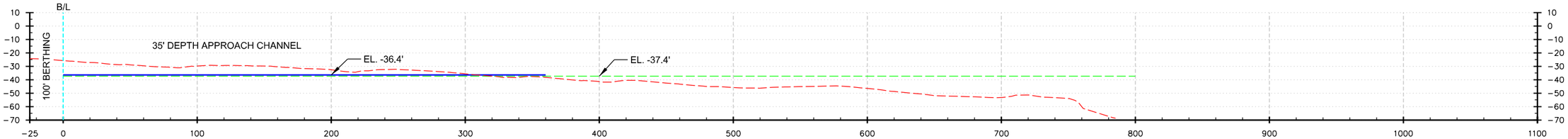
MARK	DESCRIPTION	DATE	APPR.

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

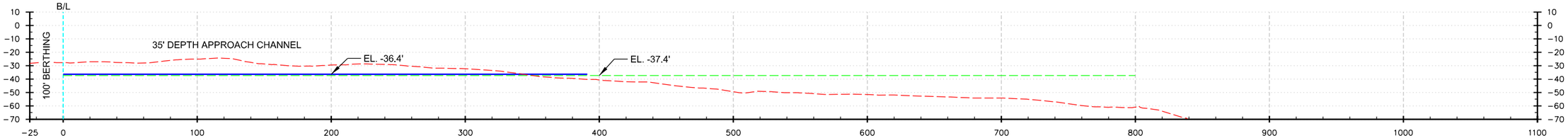
DESIGNED BY: PATRICK R. GREY
DWN BY: P.R.G.
CKD BY: J.A.B.
SUBMITTED BY: P.R.G.
DATE:
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:
PLOT SCALE: 40:1
PLOT DATE: 8/14/2020
SIZE: ANSI D
FILE NAME:

PORT OF NEW ORLEANS (PONO), DEEPENING FEASIBILITY STUDY, NEW ORLEANS PARISH, LA.
ALTERNATIVE 4
USACE APPROACH CHANNEL, CROSS SECTIONS
STA. 74+00 TO STA. 82+00

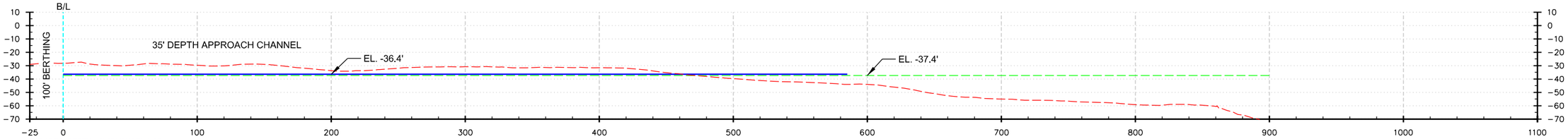
SHEET IDENTIFICATION
C-07



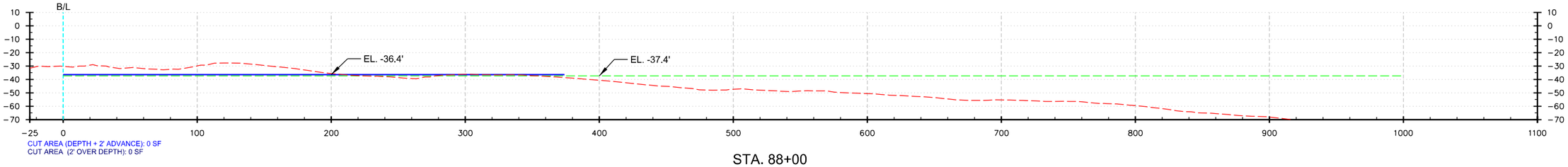
STA. 94+00



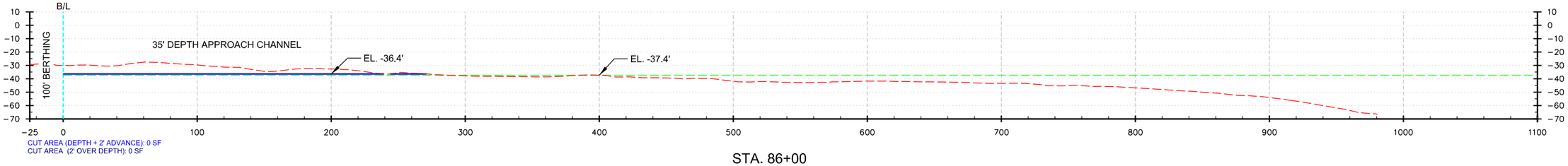
STA. 92+00



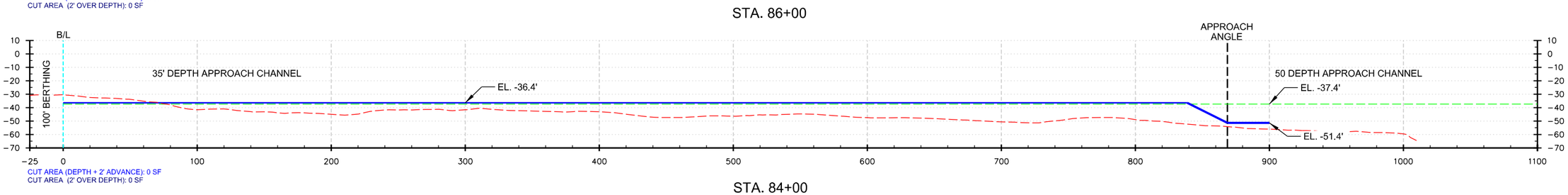
STA. 90+00



STA. 88+00



STA. 86+00



STA. 84+00

SHEET LEGEND

- EXISTING GRADE (06 AUG 2019 NAVD88)
- OPERATIONS MAINTENANCE GRADE (EL -37.4' NAVD88)
- PROPOSED DEPTH + 2' ADVANCE (EL. -36.4' NAVD88/EL. -51.4' NAVD88)
- 2' OVER DEPTH (EL. -38.4'NAVD88/EL. -53.4' NAVD88)
- PROPOSED DEPTH CUT + 2' ADVANCE CUT (EL. -36.4' NAVD88/EL. -51.4' NAVD88)
- 2' OVER DEPTH CUT (EL. -38.4'NAVD88/EL. -53.4' NAVD88)

US Army Corps of Engineers
NEW ORLEANS DISTRICT

MARK	DESCRIPTION	DATE	APPR.

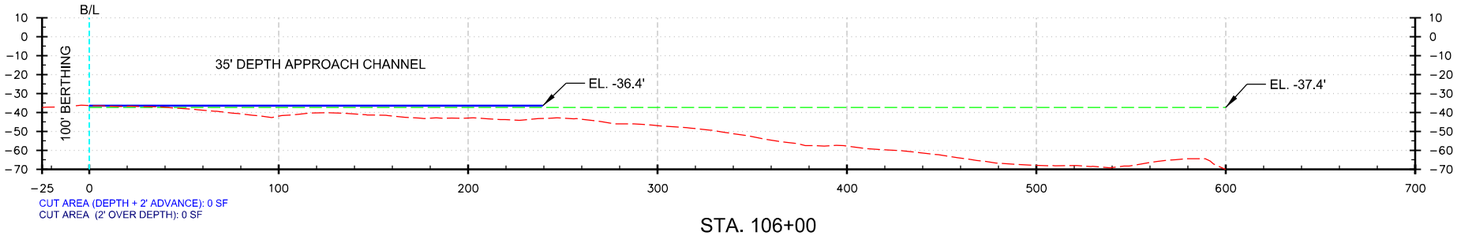
MARK	DESCRIPTION	DATE	APPR.

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

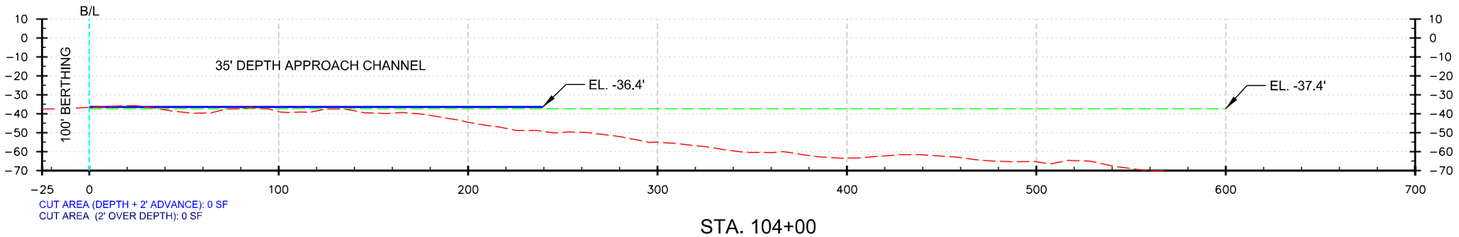
DESIGNED BY: PATRICK R. GREY
DWN BY: P.R.G.
CKD BY: J.A.B.
SUBMITTED BY: P.R.G.
PLOT SCALE: ANSI D
PLOT DATE: 01-11-2020
SIZE: ANSI D
FILE NAME:
DATE:
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:

PORT OF NEW ORLEANS (PONO), DEEPENING FEASIBILITY STUDY, NEW ORLEANS PARISH, LA.
ALTERNATIVE 4
USACE APPROACH CHANNEL, CROSS SECTIONS
STA. 84+00 TO STA. 94+00

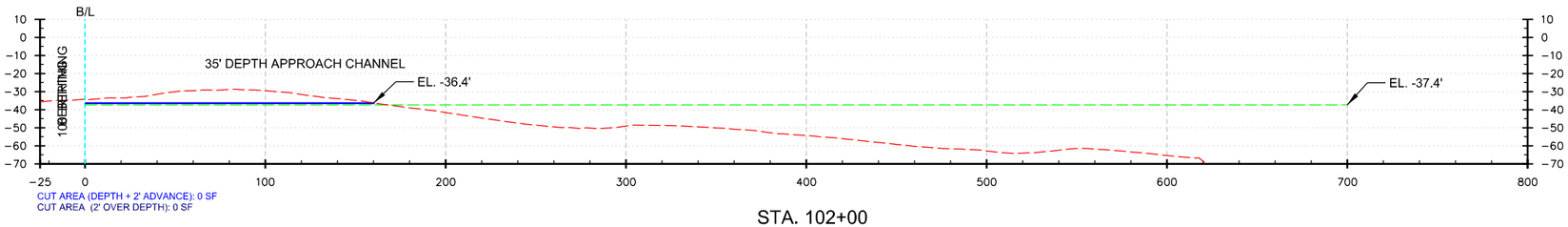
SHEET IDENTIFICATION
C-08



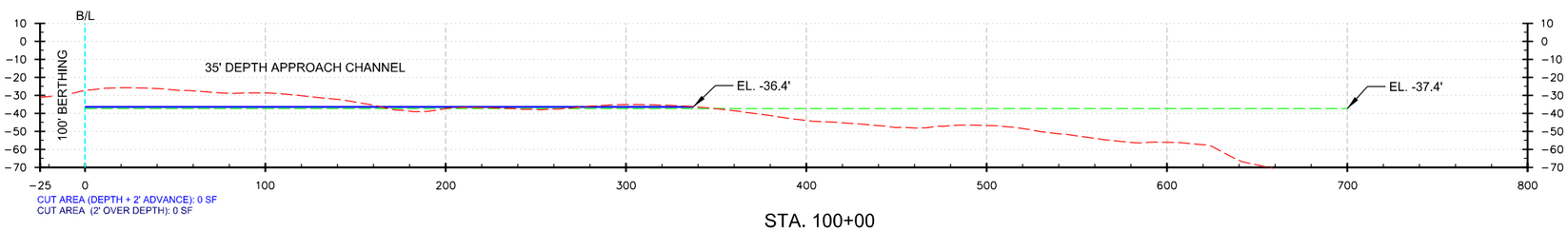
STA. 106+00



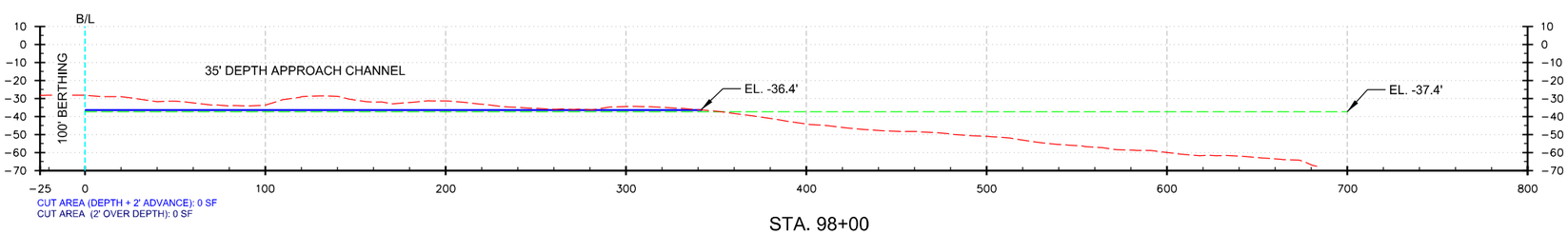
STA. 104+00



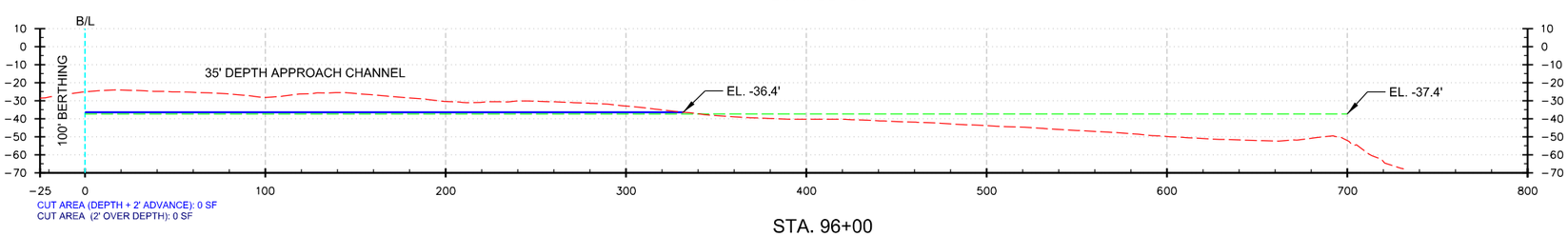
STA. 102+00



STA. 100+00



STA. 98+00



STA. 96+00

SHEET LEGEND

- EXISTING GRADE (06 AUG 2019 NAVD88)
- OPERATIONS MAINTENANCE GRADE (EL -37.4' NAVD88)
- PROPOSED DEPTH + 2' ADVANCE (EL. -36.4' NAVD88)
- 2' OVER DEPTH (EL. -38.4'NAVD88)
- PROPOSED DEPTH CUT + 2' ADVANCE CUT (EL. -36.4' NAVD88)
- 2' OVER DEPTH CUT (EL. -38.4'NAVD88)

US Army Corps of Engineers®
NEW ORLEANS DISTRICT

MARK	DESCRIPTION	DATE	APPR.

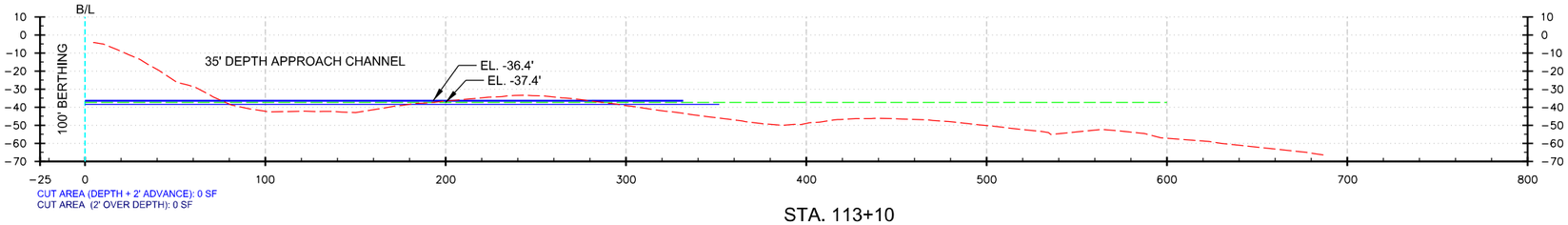
MARK	DESCRIPTION	DATE	APPR.

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

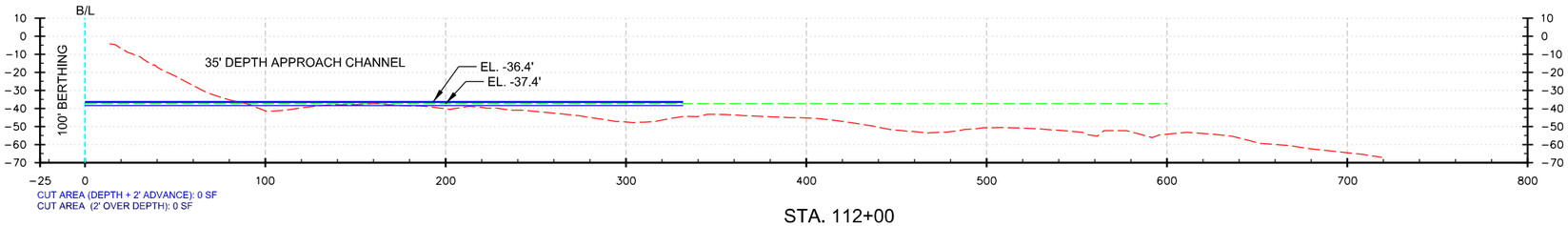
DESIGNED BY: PATRICK R. GREY
DWN BY: P.R.G.
CKD BY: J.A.B.
SUBMITTED BY: P.R.G.
DATE:
SOLICITATION NO.:
CONTRACT NO.:
PLOT SCALE: 40:1
PLOT DATE: 01-01-2020
SIZE: ANSI D
FILE NAME:
FILE NUMBER:

PORT OF NEW ORLEANS (PONO), DEEPENING FEASIBILITY STUDY, NEW ORLEANS PARISH, LA.
ALTERNATIVE 4
USACE APPROACH CHANNEL, CROSS SECTIONS
STA. 96+00 TO STA. 106+00

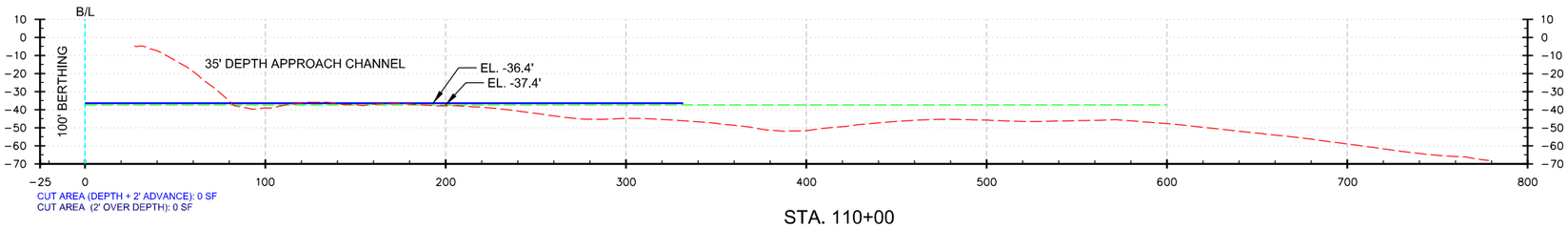
SHEET IDENTIFICATION
C-09



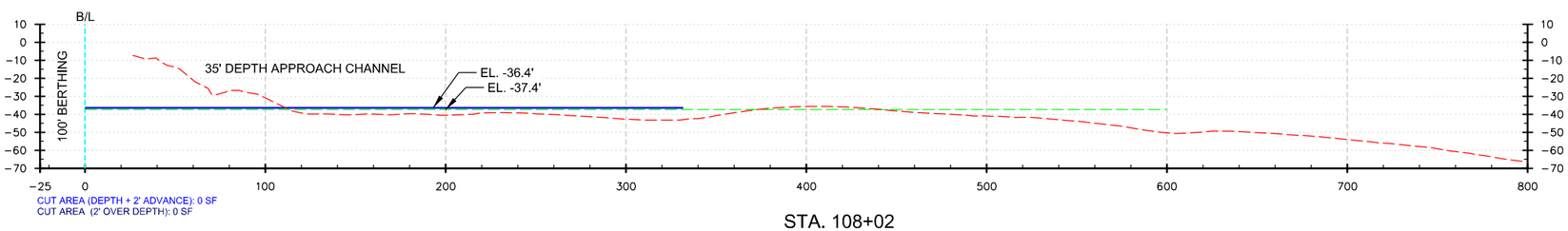
STA. 113+10



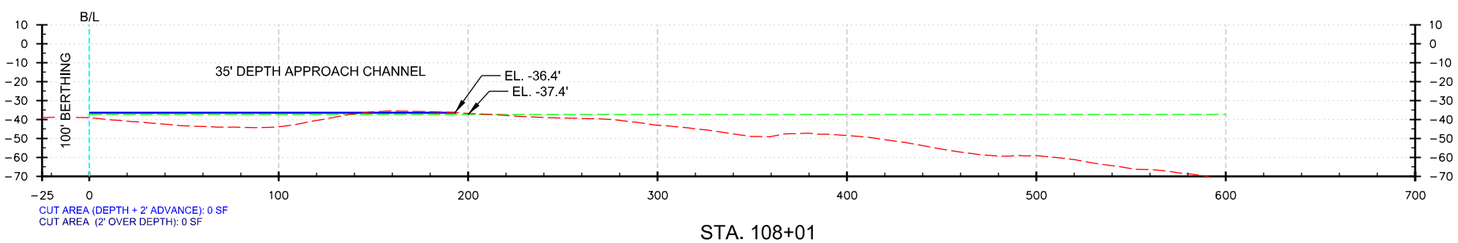
STA. 112+00



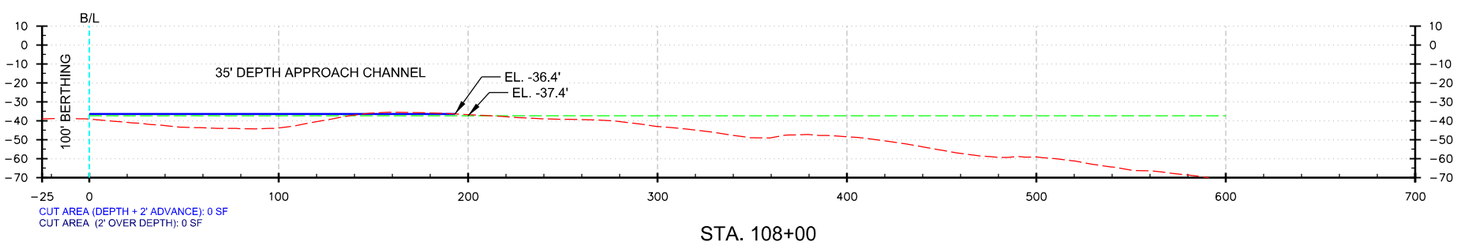
STA. 110+00



STA. 108+02



STA. 108+01



STA. 108+00

SHEET LEGEND

- EXISTING GRADE (06 AUG 2019 NAVD88)
- OPERATIONS MAINTENANCE GRADE (EL -37.4' NAVD88)
- PROPOSED DEPTH + 2' ADVANCE (EL. -36.4' NAVD88)
- 2' OVER DEPTH (EL. -38.4'NAVD88)
- PROPOSED DEPTH CUT + 2' ADVANCE CUT (EL. -36.4' NAVD88)
- 2' OVER DEPTH CUT (EL. -38.4'NAVD88)

US Army Corps of Engineers®
NEW ORLEANS DISTRICT

MARK	DESCRIPTION	DATE	APPR.

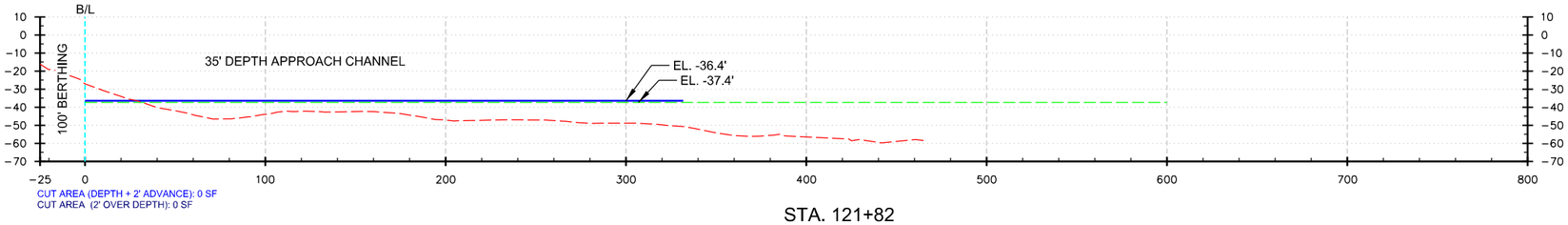
MARK	DESCRIPTION	DATE	APPR.

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

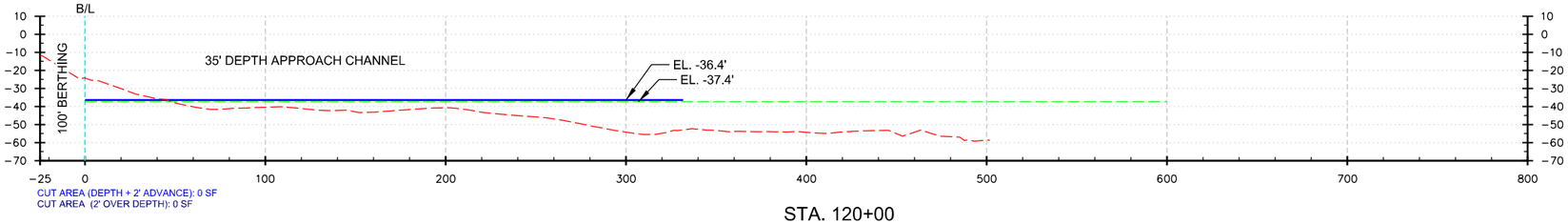
DESIGNED BY: PATRICK R. GREY
DWN BY: P.R.G.
CKD BY: J.A.B.
SUBMITTED BY: P.R.G.
SIZE: ANSI D
DATE:
SOLICITATION NO.:
CONTRACT NO.:
PLOT SCALE: 1:1
PLOT DATE: 6/24/2020
FILE NUMBER:
FILE NAME:

PORT OF NEW ORLEANS (PONO), DEEPENING FEASIBILITY STUDY, NEW ORLEANS PARISH, LA.
ALTERNATIVE 4
USACE APPROACH CHANNEL, CROSS SECTIONS
STA. 108+00 TO STA. 113+10

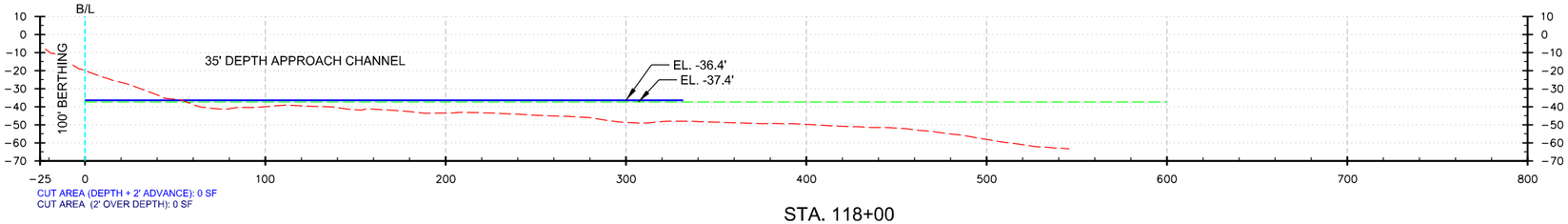
SHEET IDENTIFICATION
C-10



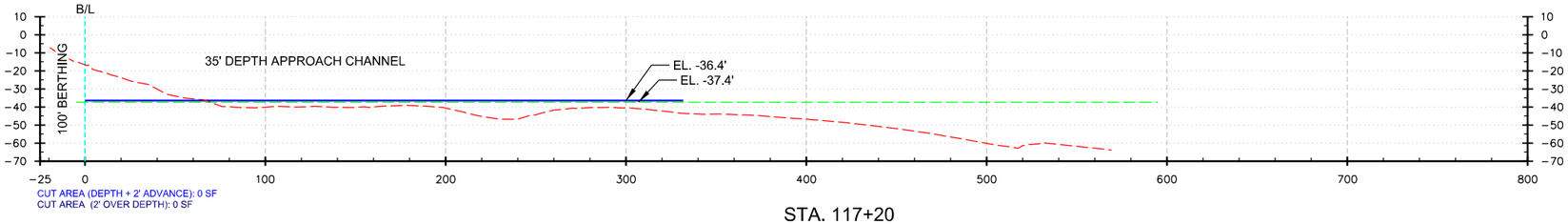
STA. 121+82



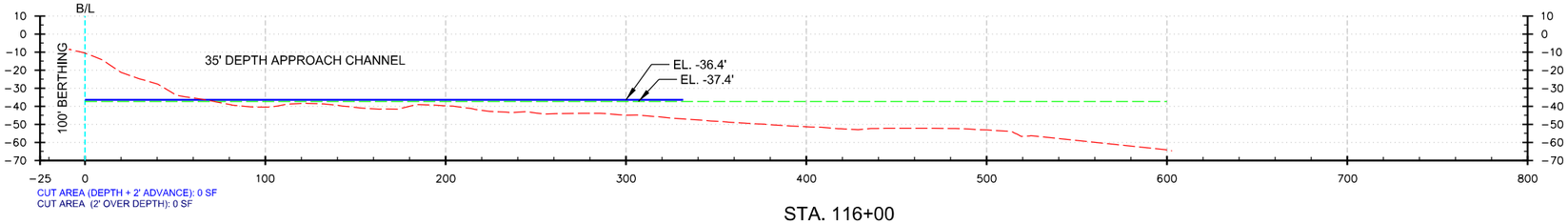
STA. 120+00



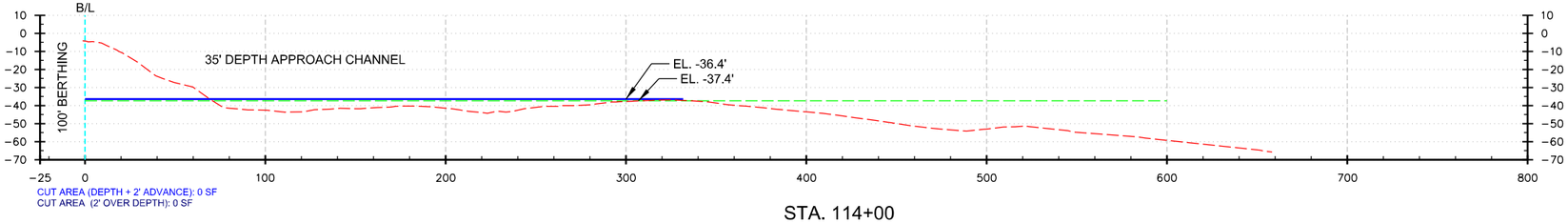
STA. 118+00



STA. 117+20



STA. 116+00



STA. 114+00

SHEET LEGEND

- EXISTING GRADE (06 AUG 2019 NAVD88)
- OPERATIONS MAINTENANCE GRADE (EL -37.4' NAVD88)
- PROPOSED DEPTH + 2' ADVANCE (EL. -36.4' NAVD88)
- 2' OVER DEPTH (EL. -38.4'NAVD88)
- PROPOSED DEPTH CUT + 2' ADVANCE CUT (EL. -36.4' NAVD88)
- 2' OVER DEPTH CUT (EL. -38.4'NAVD88)

US Army Corps of Engineers
NEW ORLEANS DISTRICT

MARK	DESCRIPTION	DATE	APPR.

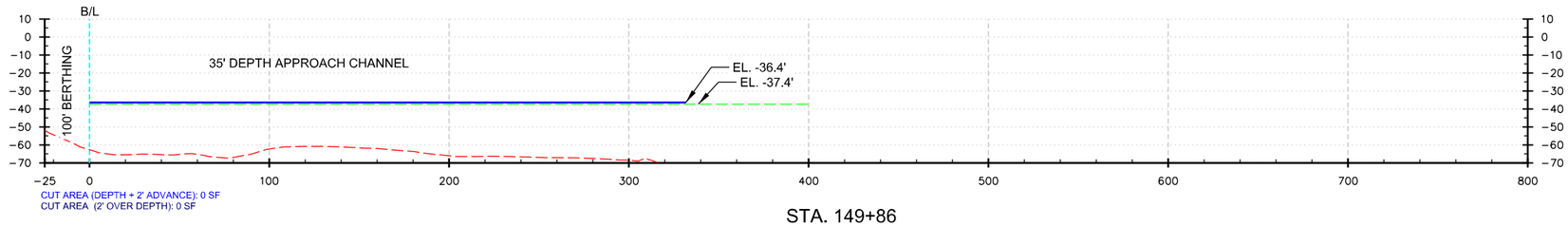
MARK	DESCRIPTION	DATE	APPR.

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

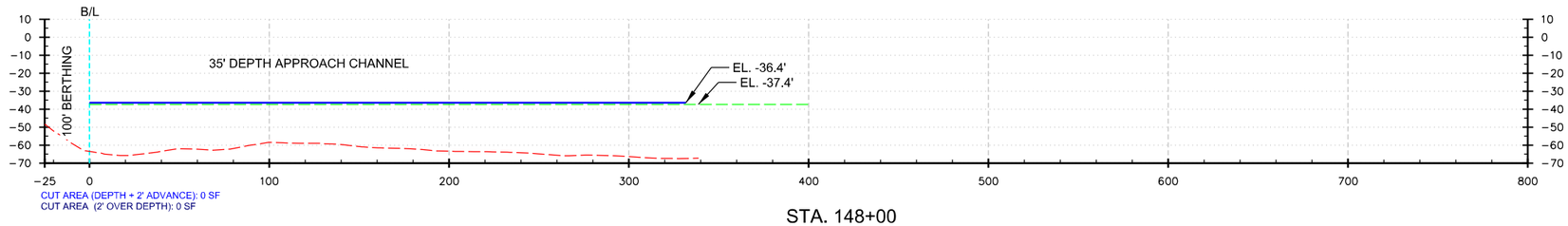
DESIGNED BY: PATRICK R. GREY
DWN BY: P.R.G.
CKD BY: J.A.B.
SUBMITTED BY: P.R.G.
DATE:
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:
PLOT SCALE: ASIS
PLOT DATE: 09-01-2020
SIZE: ANSI D
FILE NAME:

PORT OF NEW ORLEANS (PONO), DEEPENING FEASIBILITY STUDY, NEW ORLEANS PARISH, LA.
ALTERNATIVE 4
USACE APPROACH CHANNEL, CROSS SECTIONS
STA. 114+00 TO STA. 121+82

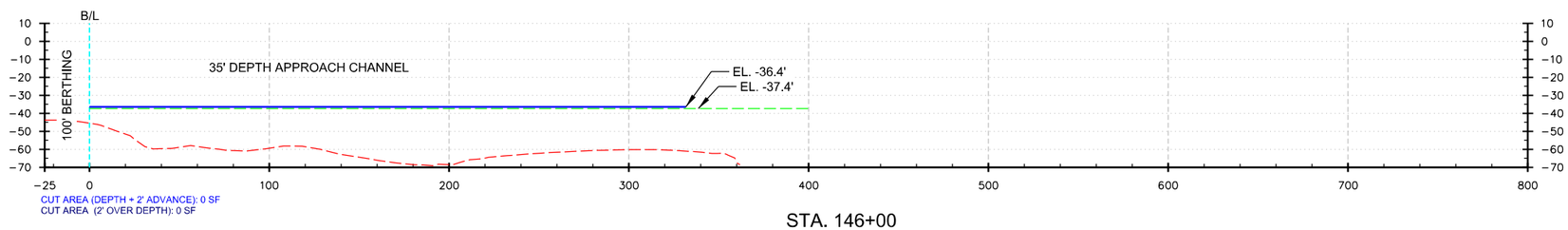
SHEET IDENTIFICATION
C-11



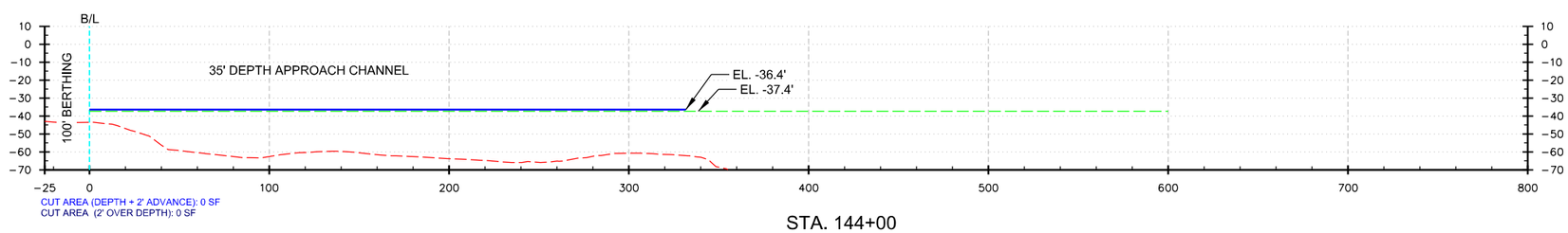
STA. 149+86



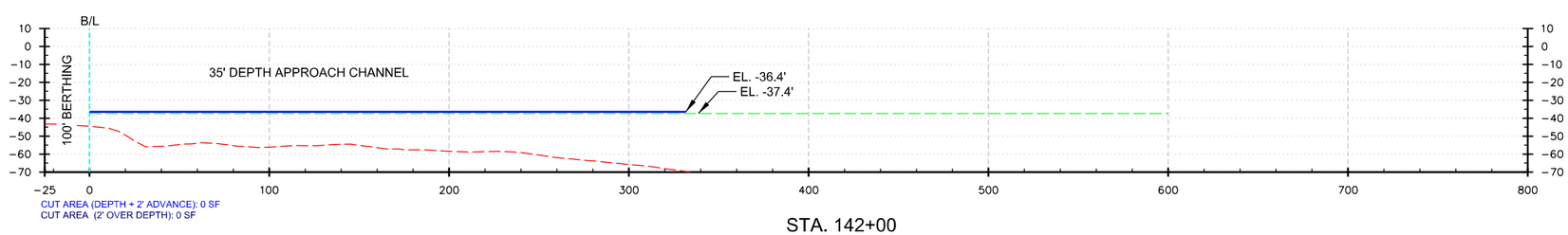
STA. 148+00



STA. 146+00



STA. 144+00



STA. 142+00

SHEET LEGEND

- EXISTING GRADE (06 AUG 2019 NAVD88)
- OPERATIONS MAINTENANCE GRADE (EL -37.4' NAVD88)
- PROPOSED DEPTH + 2' ADVANCE (EL. -36.4' NAVD88)
- 2' OVER DEPTH (EL. -38.4'NAVD88)
- PROPOSED DEPTH CUT + 2' ADVANCE CUT (EL. -36.4' NAVD88)
- 2' OVER DEPTH CUT (EL. -38.4'NAVD88)

US Army Corps of Engineers®
NEW ORLEANS DISTRICT

MARK	DESCRIPTION	DATE	APPR.

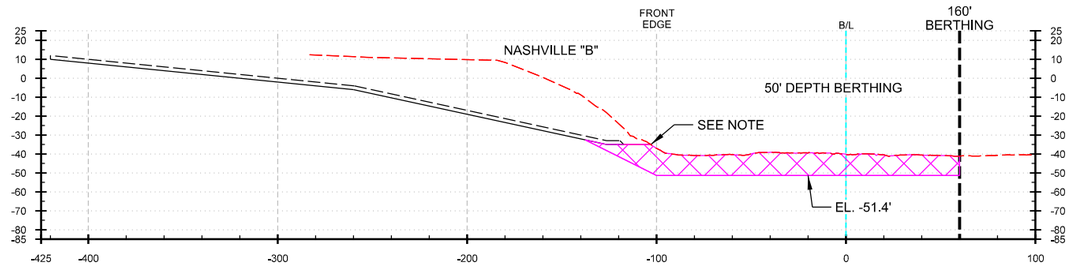
MARK	DESCRIPTION	DATE	APPR.

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

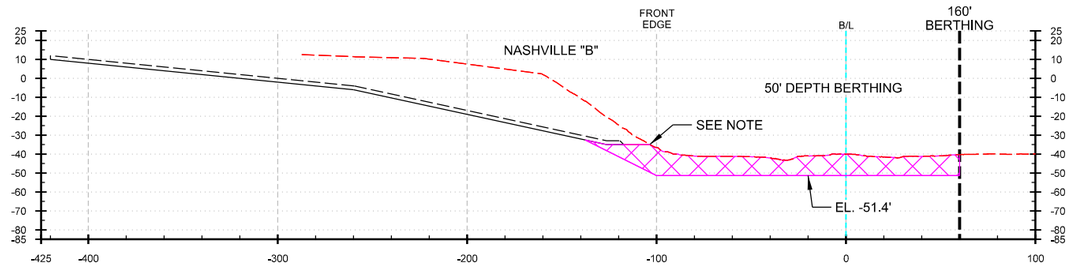
DESIGNED BY: PATRICK R. GREY
DWN BY: P.R.G.
CKD BY: J.A.B.
SUBMITTED BY: P.R.G.
DATE:
SOLICITATION NO.:
CONTRACT NO.:
PLOT SCALE: 40:1
PLOT DATE: 01-01-2020
SIZE: ANSI D
FILE NUMBER:
FILE NAME:

PORT OF NEW ORLEANS (PONO), DEEPENING FEASIBILITY STUDY, NEW ORLEANS PARISH, LA.
ALTERNATIVE 4
USACE APPROACH CHANNEL, CROSS SECTIONS
STA. 142+00 TO STA. 149+86

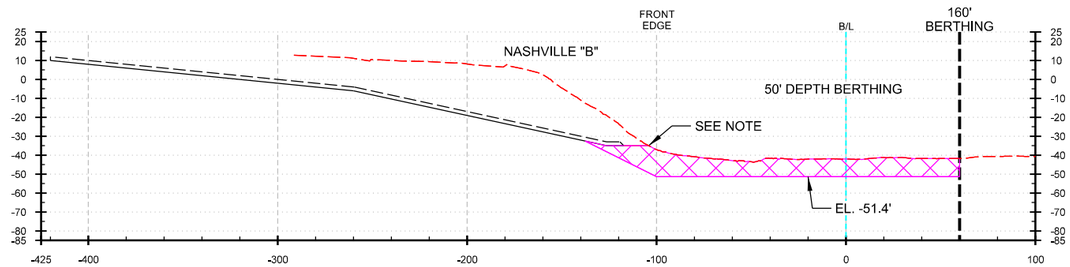
SHEET IDENTIFICATION
C-14



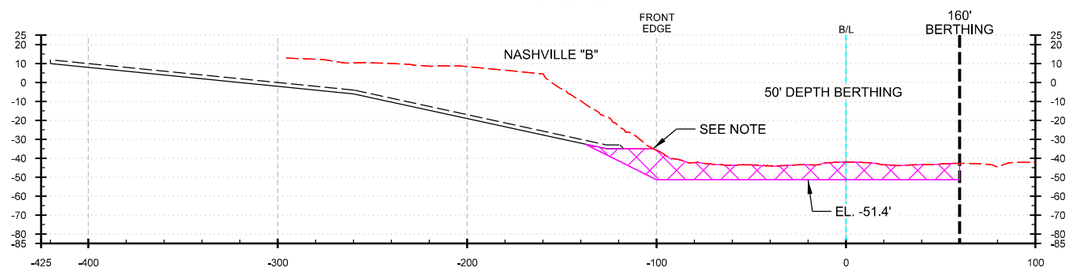
STA. 53+00



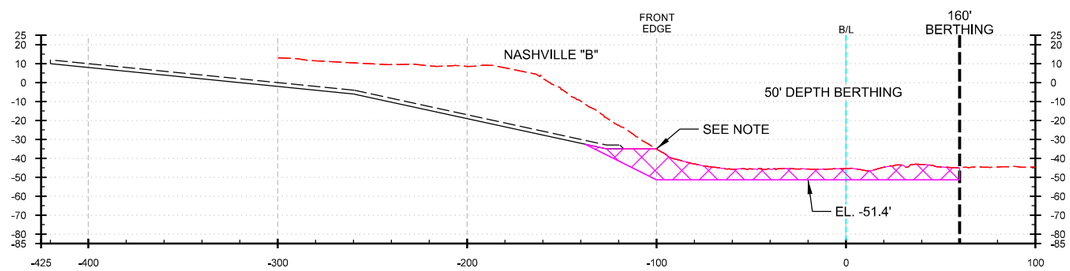
STA. 52+00



STA. 51+00



STA. 50+00



STA. 49+00

SHEET LEGEND

EXISTING GRADE (06 AUG 2019 NAVD88)

EXISTING RIPRAP

PROPOSED DEPTH CUT + 2' ADVANCE CUT (EL. -51.4' NAVD88)

NOTE:

SHOALING ABOVE RIPRAP WILL BE REMOVED BY PONO PRIOR TO PROJECT START.

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: PATRICK R. GREY
DWN BY: P.R.G.
CKD BY: J.A.B.
SUBMITTED BY: P.R.G.
PLOT SCALE: ASIS
PLOT DATE: 01-12-2020
SIZE: ANSI D
FILE NAME:
DATE:
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:

PORT OF NEW ORLEANS (PONO), DEEPENING FEASIBILITY STUDY, NEW ORLEANS PARISH, LA.
ALTERNATIVE 4
PONO PHASE II, REACH 2 CONSTRUCTION, CROSS SECTIONS, STA. 49+00 TO STA. 53+00

SHEET IDENTIFICATION
C-15