

OLD PELICAN BAY CHANNEL MAINTENANCE DREDGING CONSTRUCTION PLANS

PREPARED FOR:
LEE COUNTY



LOCATION MAP
N.T.S.

INDEX:

1. COVER SHEET
2. DREDGE PLAN
3. CROSS SECTIONS
4. CROSS SECTIONS
5. CROSS SECTIONS
6. CROSS SECTIONS

NOTES:

1. BATHYMETRIC SURVEY CONDUCTED BY COASTAL ENGINEERING CONSULTANTS, INC. FEBRUARY 23, 2023.
2. CHANNEL MARKERS LOCATED BY COASTAL ENGINEERING CONSULTANTS, INC. FEBRUARY 23, 2023.
3. ELEVATIONS SHOWN HEREON ARE IN FEET AND TENTHS AND BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
4. PLANE COORDINATES ARE BASED ON THE TRANSVERSE MERCATOR PROJECTION FOR THE WEST ZONE OF FLORIDA AND REFERENCED TO THE NORTH AMERICAN DATUM OF 1983 (NAD83).
5. TIDAL REDUCTIONS WERE OBTAINED UTILIZING REAL-TIME KINEMATIC GPS AND REFERENCED TO NAVD88.
6. SURVEY ACCURACY STANDARDS, QUALITY CONTROL, AND QUALITY ASSURANCE REQUIREMENTS WERE FOLLOWED DURING THIS SURVEY IN ACCORDANCE WITH USACE EM 1110-2-1003, HYDROGRAPHIC SURVEYING MANUAL, 1 JAN 02.
7. THE INFORMATION SHOWN HEREON REFLECTS CONDITIONS AS THEY EXISTED ON THE SURVEY DATES SHOWN AND CAN ONLY BE CONSIDERED INDICATIVE OF CONDITIONS AT THAT TIME.
8. AERIAL PHOTOGRAPHY OBTAINED FROM LEE COUNTY, DATED 2023.

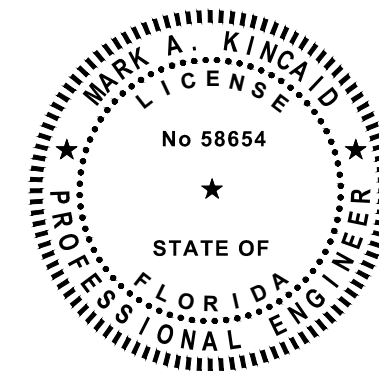
PUBLISHED TIDAL INFORMATION

TIDAL DATUMS AT MATANZAS PASS, ESTERO ISLAND, FLORIDA ARE BASED ON FLORIDA 872 5366

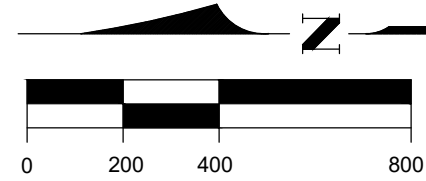
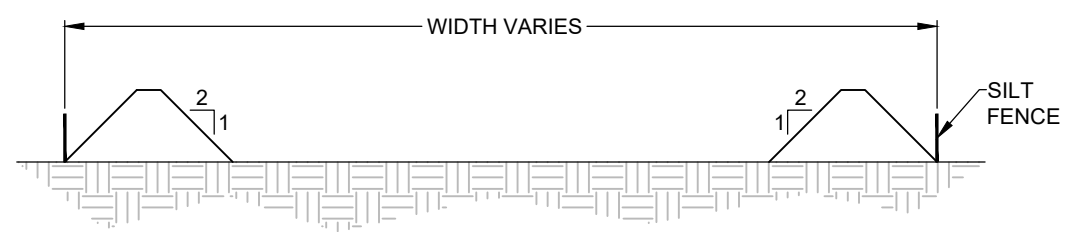
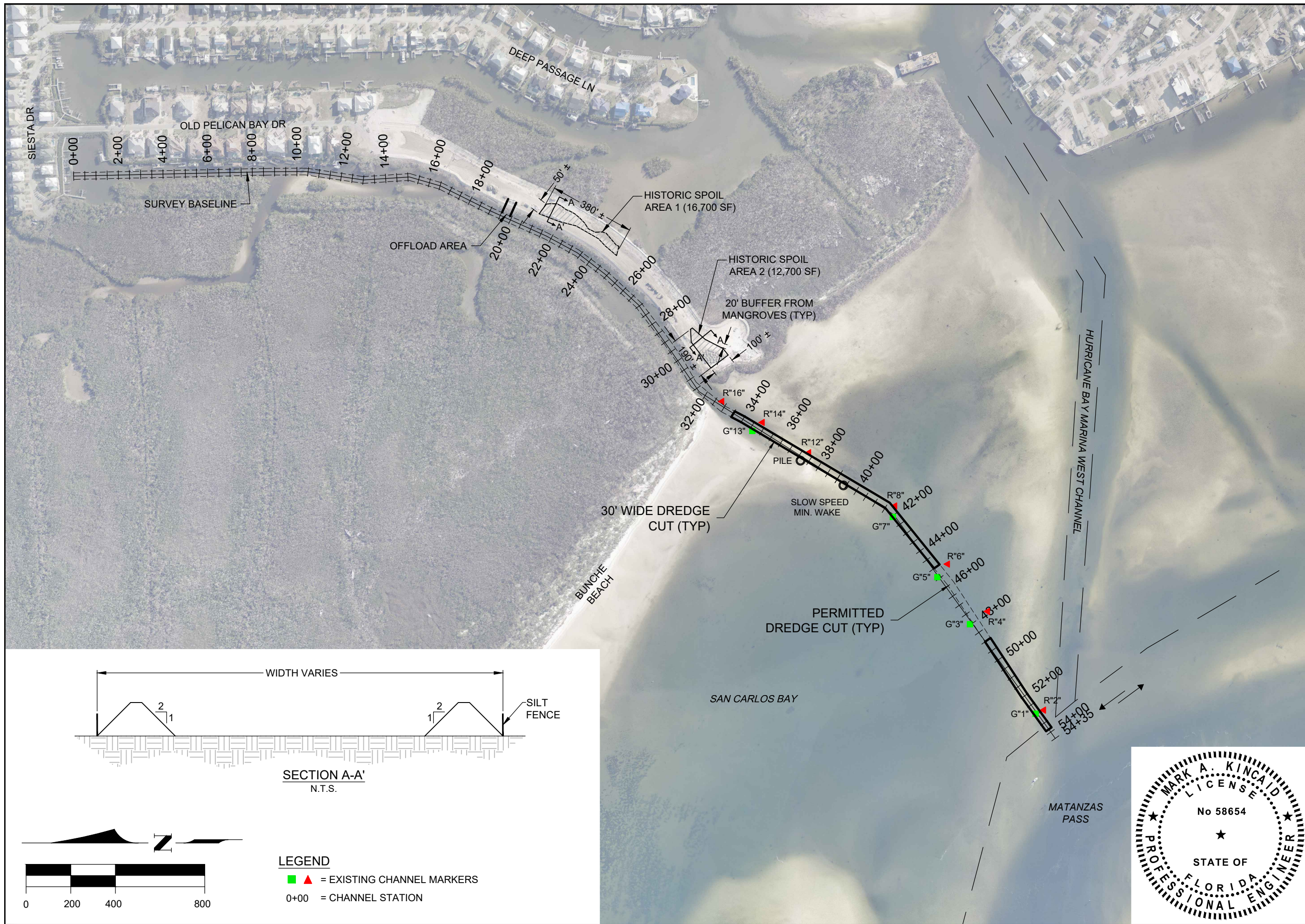
PUBLISHED	= 1/23/2004
TIME PERIOD	= JUNE 1973 - JUNE 1973
TIDAL EPOCH	= 1983 - 2001
CONTROL TIDE STATION	= NAPLES, GULF OF MEXICO (872 5110)

ELEVATIONS OF TIDAL DATUMS ARE REFERENCED IN NAVD 1988.

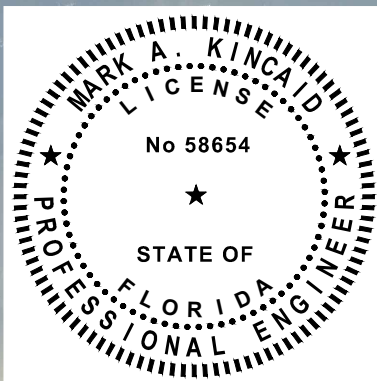
MEAN HIGHER HIGH WATER (MHHW)	= +0.42 FT NAVD
MEAN HIGH WATER (MHW)	= +0.16 FT NAVD
MEAN LOW WATER (MLW)	= -1.64 FT NAVD
MEAN LOWER LOW WATER (MLLW)	= -2.18 FT NAVD



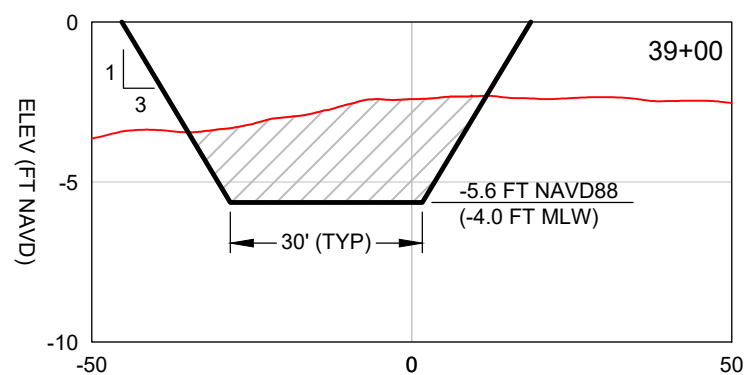
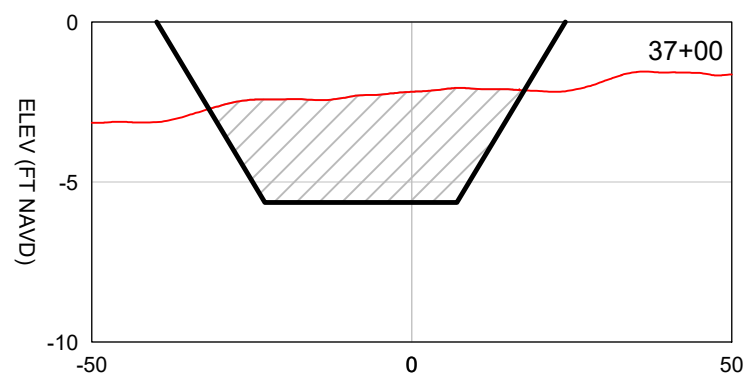
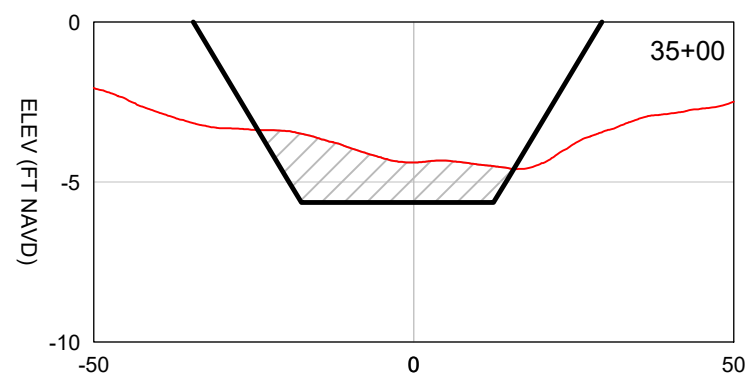
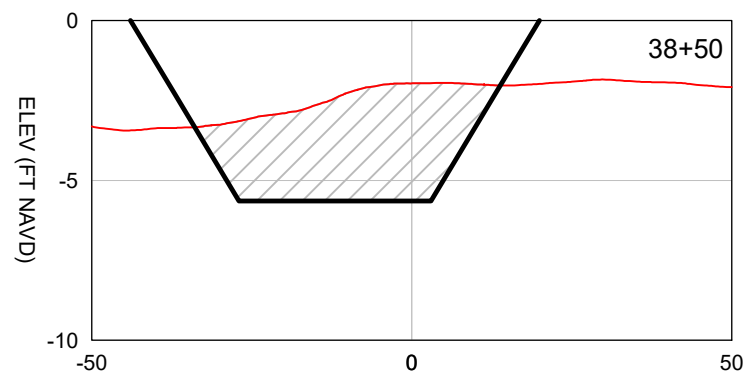
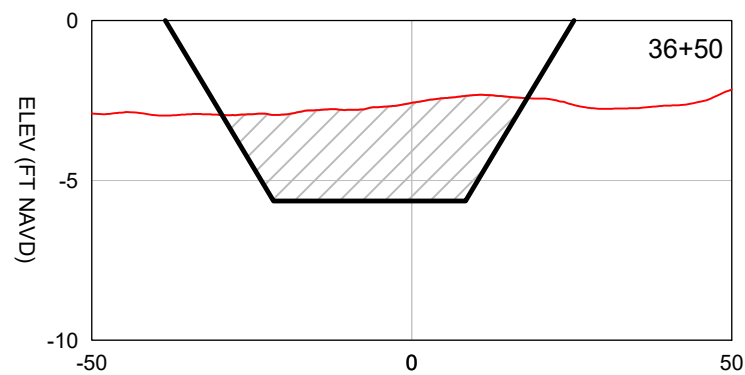
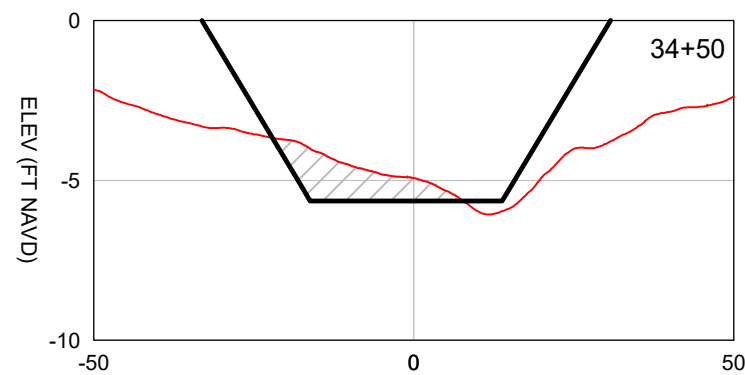
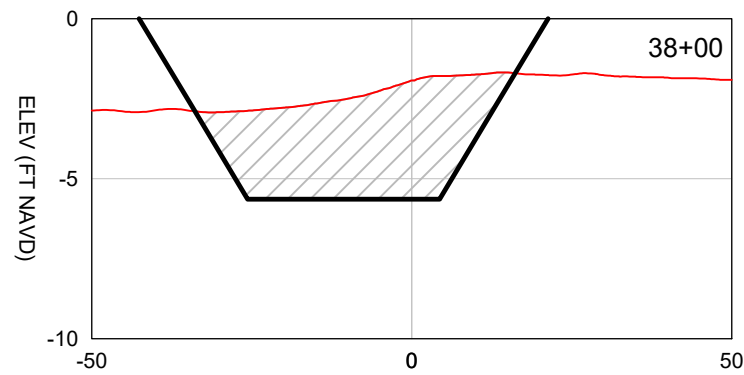
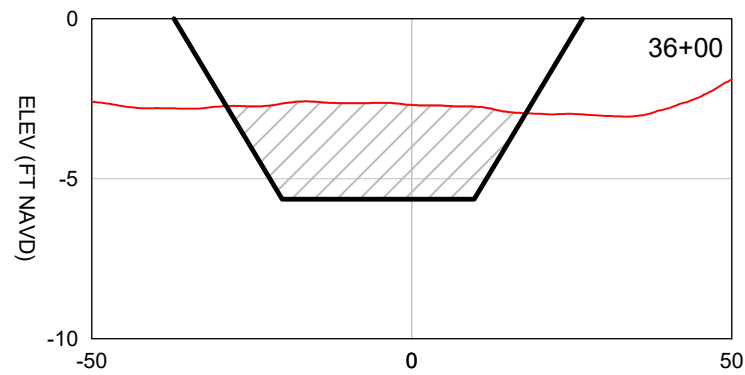
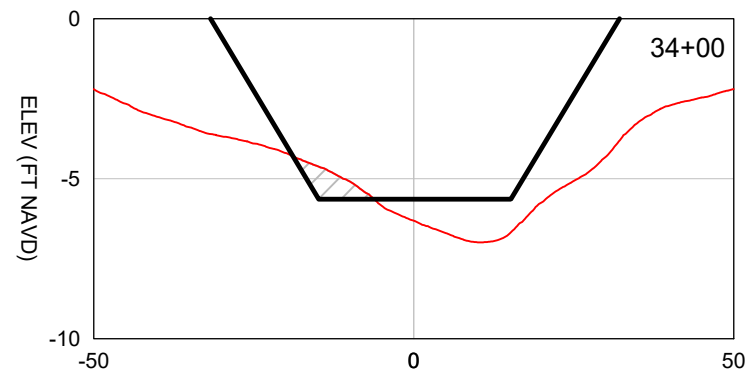
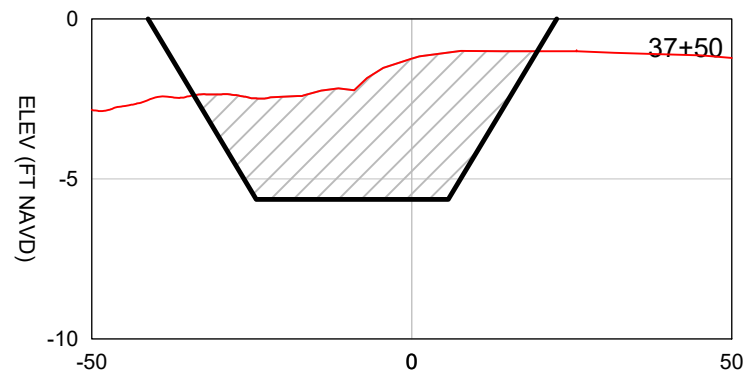
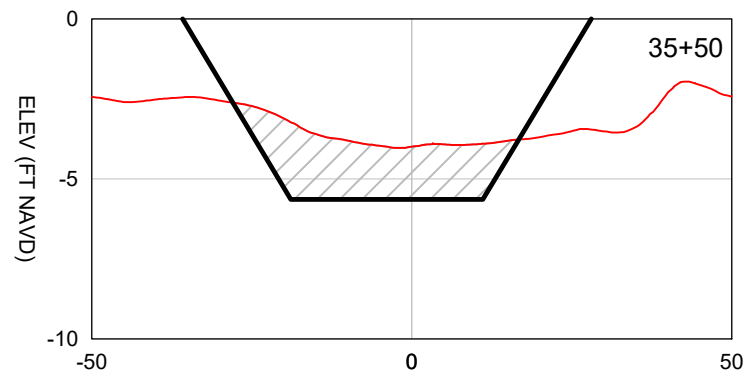
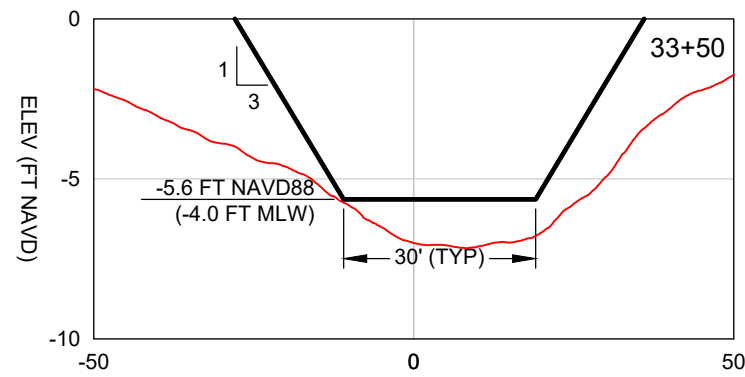
<p>CIVIL ENGINEERING SURVEY & MAPPING COASTAL ENGINEERING ENVIRONMENTAL PLANNING SERVICES</p> <p>PHONE: (239)643-2324 FAX: (239)643-1143 www.coastalengineering.com E-Mail: info@cecill.com</p>	<p>CLIENT: LEE COUNTY</p> <p>TITLE: OLD PELICAN BAY CHANNEL DREDGING COVER SHEET</p>	<p>DATE: 10/12/2023</p> <p>SCALE: AS NOTED</p> <p>DRAWN: GVT/FB</p> <p>CHECKED: MAK/PG</p> <p>SEC: TWP: RRG:</p> <p>ACAD NO: 22312-OPB-C.dwg</p> <p>REF. NO: 22.312</p>								
<p>COASTAL ENGINEERING CONSULTANTS INC.</p> <p>Serving Florida Since 1977</p> <p>28421 BONITA CROSSINGS BLVD BONITA SPRINGS, FLORIDA 34135</p>	<p>SHEET 1</p> <p>FILE NO.: 22312-OPB-P</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>NO.</td> <td>DATE</td> <td>BY</td> <td>REVISION DESCRIPTION</td> </tr> <tr> <td>1</td> <td>3/5/2024</td> <td>GVT</td> <td>REVISE SPOIL SITE NOTE</td> </tr> </table>	NO.	DATE	BY	REVISION DESCRIPTION	1	3/5/2024	GVT	REVISE SPOIL SITE NOTE
NO.	DATE	BY	REVISION DESCRIPTION							
1	3/5/2024	GVT	REVISE SPOIL SITE NOTE							



LEGEND
 ■ ▲ = EXISTING CHANNEL MARKERS
 0+00 = CHANNEL STATION



DATE: 10/12/2023		SCALE: AS NOTED	
DRAWN: GVT	FB:	GVY	FB:
CHECKED: MAK	PG:	MAK	PG:
SEC:	TYP:	RNG:	RNG:
ACAD NO. 22312-OPB-C.dwg	NO. 22.312	DATE 3/5/2024	BY GVT
REF. NO.			REVISION DESCRIPTION
LEE COUNTY OLD PELICAN BAY CHANNEL DREDGING DREDGE PLAN VIEW			
CIVIL ENGINEERING SURVEY & MAPPING COASTAL ENGINEERING ENVIRONMENTAL PLANNING SERVICES PHONE: (239)643-2324 FAX: (239)643-1143 www.coastalengineering.com E-Mail: info@cecill.com		CLIENT: TITLE: PROJECT:	
SHEET 2 FILE NO.: 22312-OPB-C-2		COASTAL ENGINEERING CONSULTANTS INC. Serving Florida Since 1977 28421 BONITA CROSSINGS BLVD BONITA SPRINGS, FLORIDA 34135	



DISTANCE FROM SURVEY BASELINE (FT)

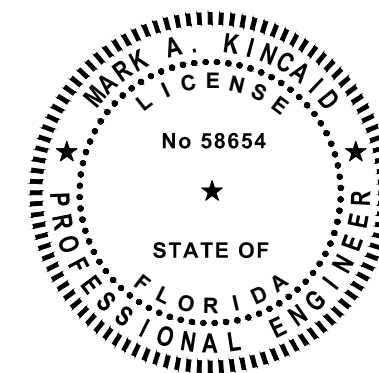
DISTANCE FROM SURVEY BASELINE (FT)

DISTANCE FROM SURVEY BASELINE (FT)

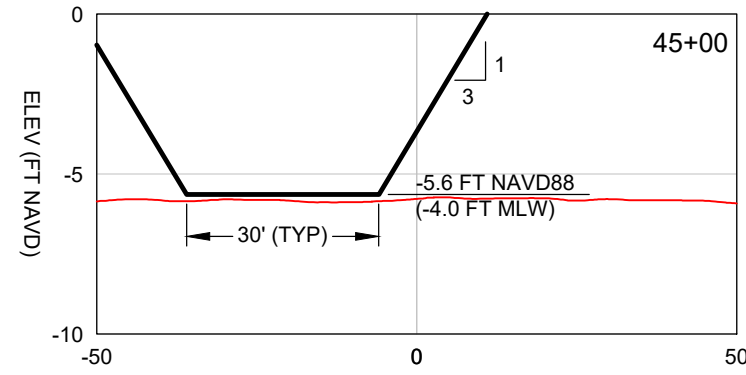
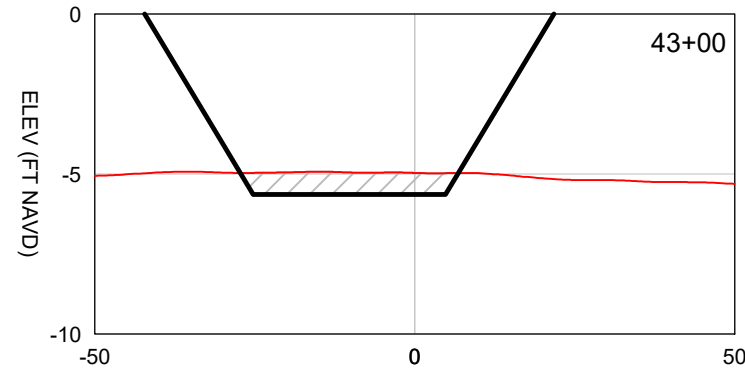
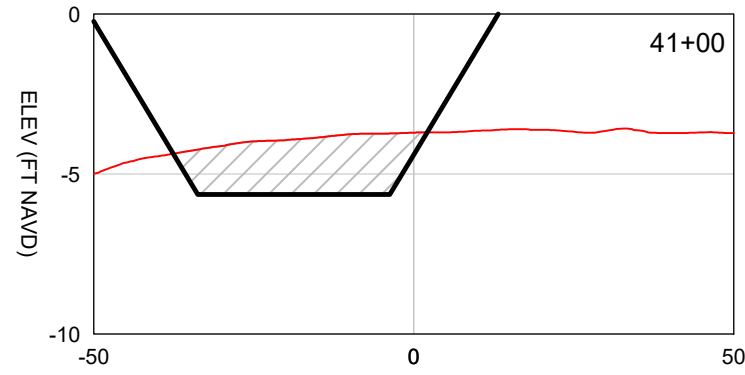
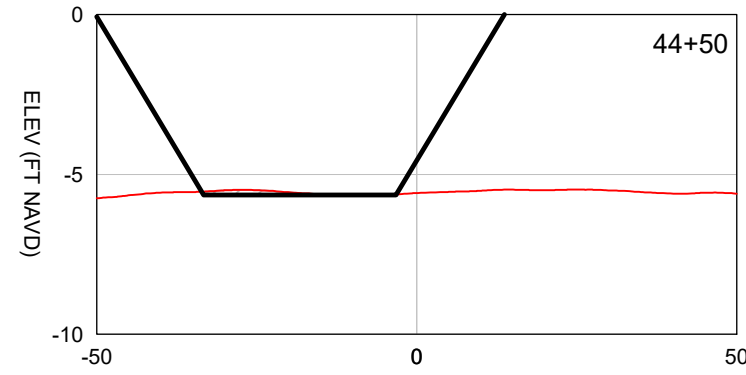
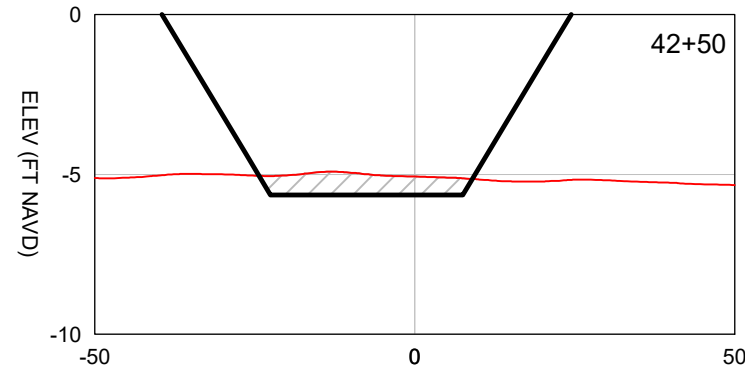
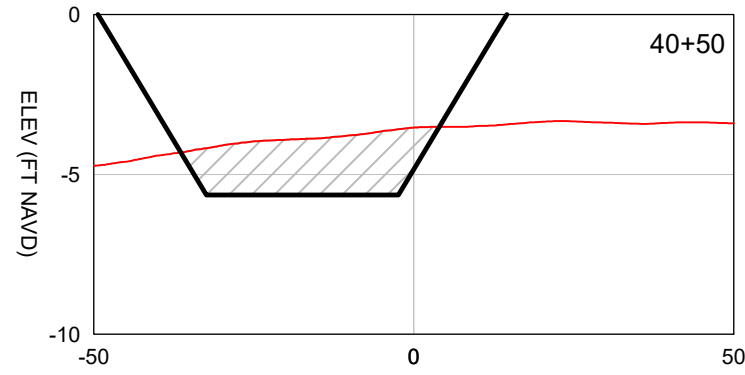
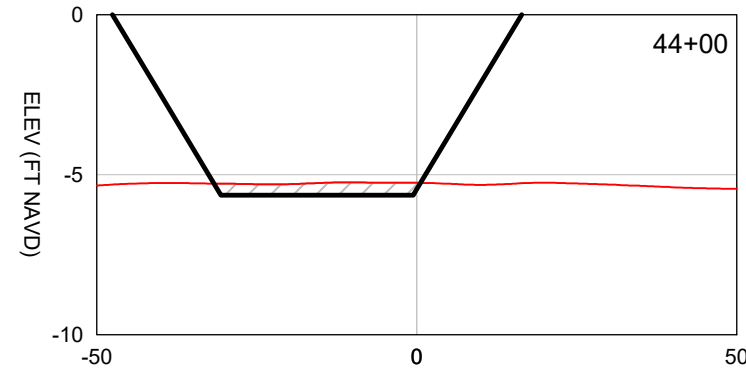
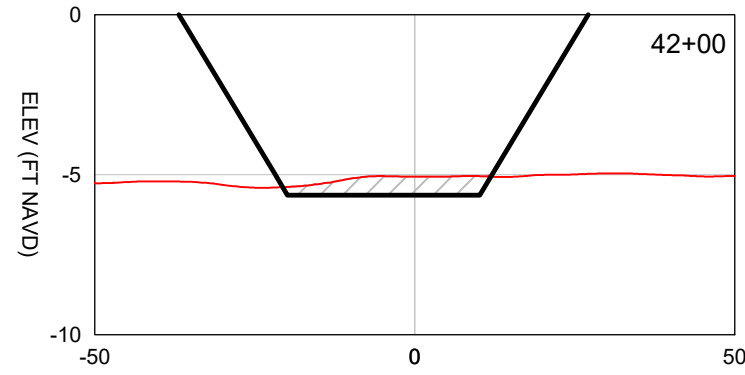
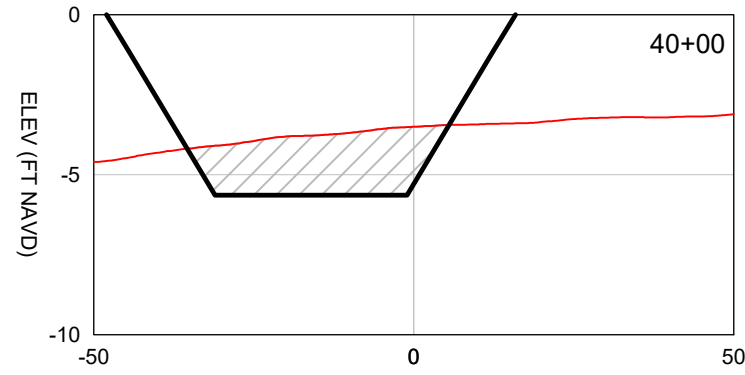
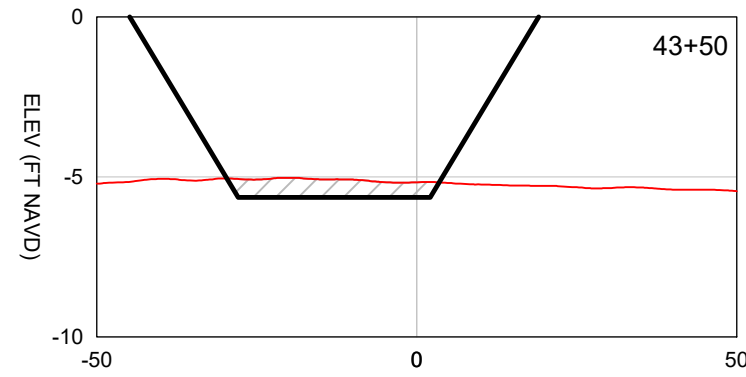
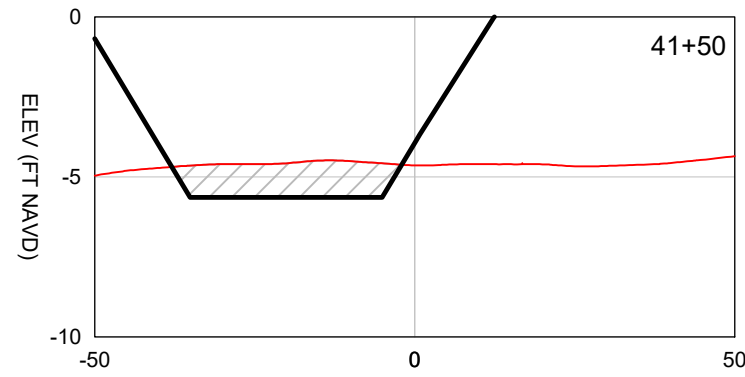
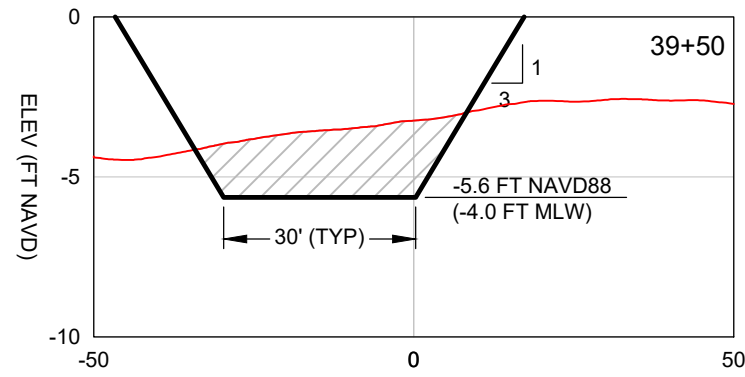
LEGEND:

- = FEBRUARY 2023 SURVEY
- = PROPOSED DREDGE AREA

SCALE:
H: 1" = 30'
V: 1" = 6'



DATE: 10/12/2023		SCALE: AS NOTED	
DRAWN: GVT	BY: GVT	CHECKED: MAK	DATE: 3/5/2024
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			BY:
			DATE:
			NO.:
			22.312
LEE COUNTY OLD PELICAN BAY CHANNEL DREDGING DREDGE CROSS SECTIONS			
CIVIL ENGINEERING SURVEY & MAPPING COASTAL ENGINEERING ENVIRONMENTAL PLANNING SERVICES		CLIENT: LEE COUNTY	
PHONE: (239)643-2324 FAX: (239)643-1143 www.coastalengineering.com E-Mail: info@cefill.com		TITLE: OLD PELICAN BAY CHANNEL DREDGING DREDGE CROSS SECTIONS	
COASTAL ENGINEERING CONSULTANTS INC. Serving Florida Since 1977 28421 BONITA CROSSINGS BLVD BONITA SPRINGS, FLORIDA 34135		SHEET 3 FILE NO.: 22312-OPB-C-3	



DISTANCE FROM SURVEY BASELINE (FT)

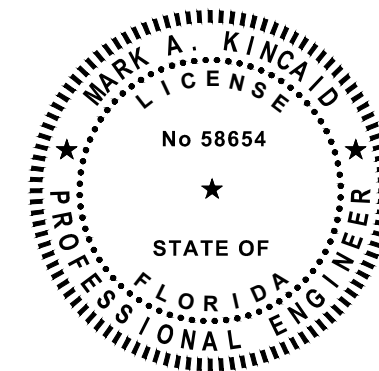
DISTANCE FROM SURVEY BASELINE (FT)

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LEGEND:

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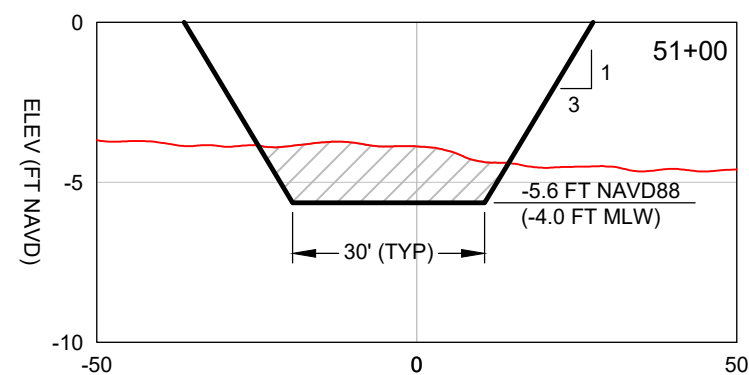
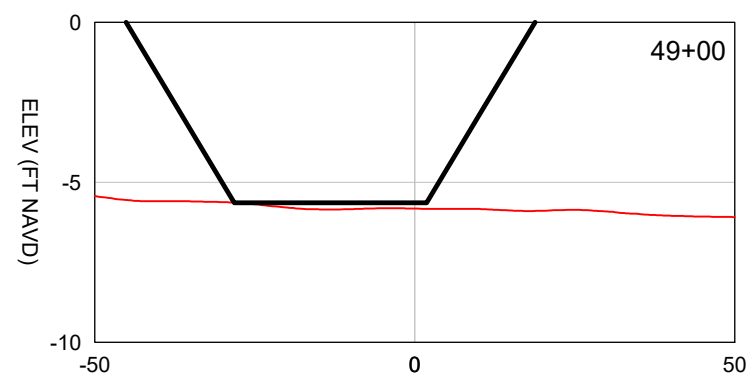
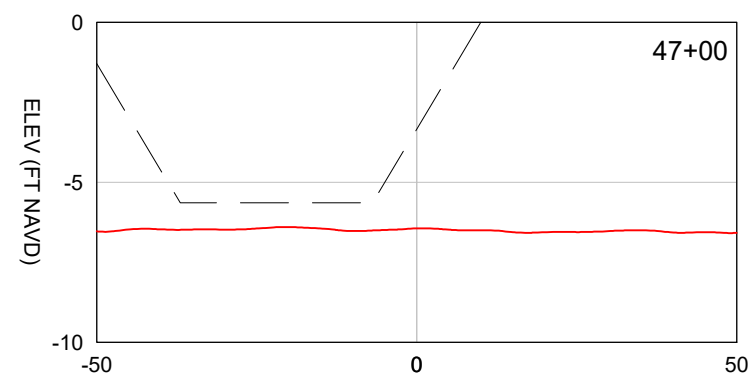
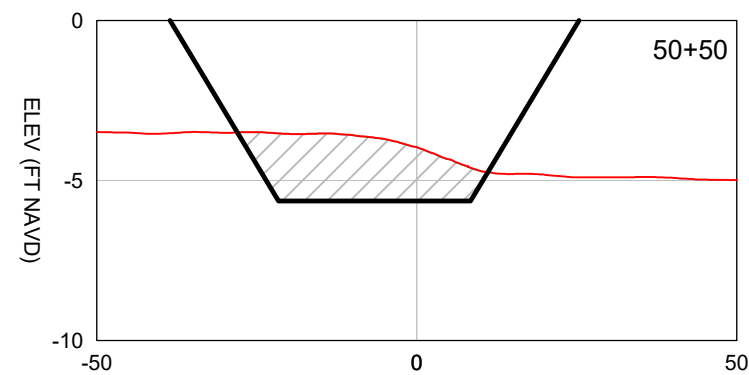
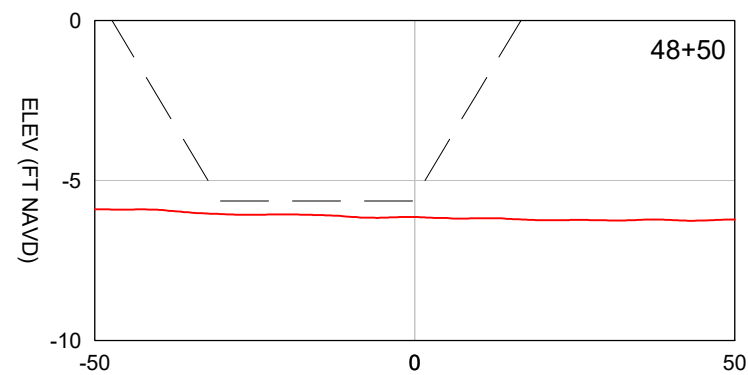
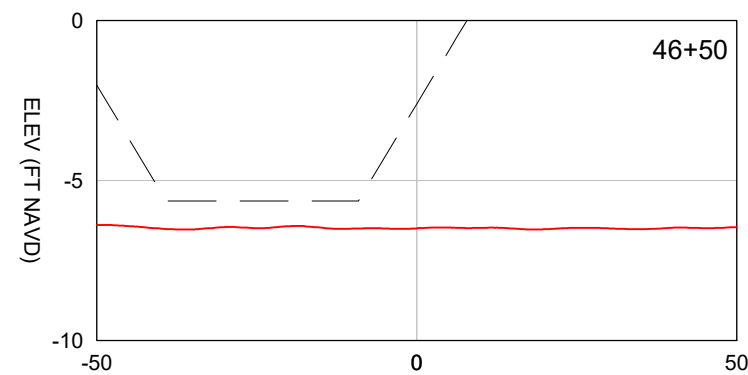
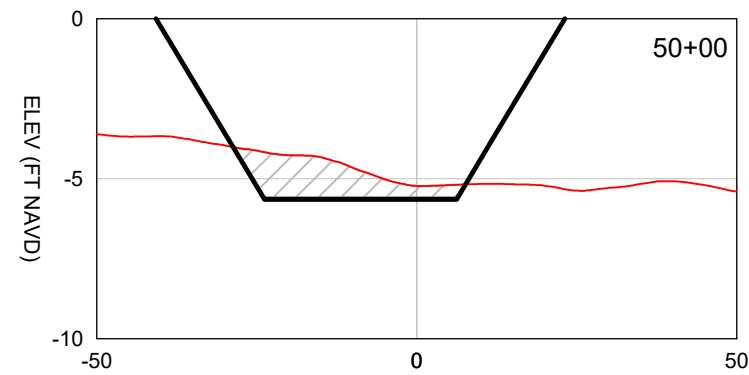
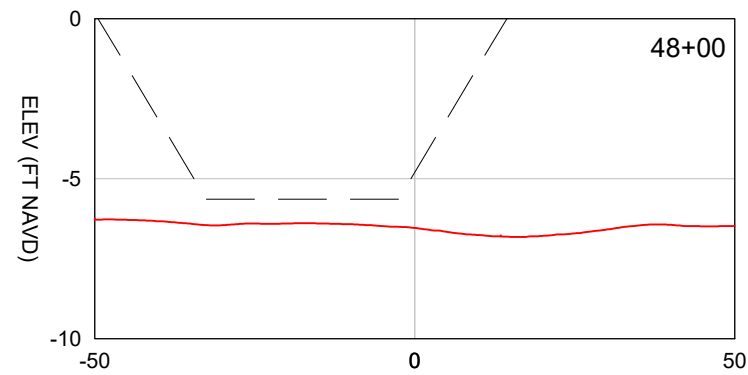
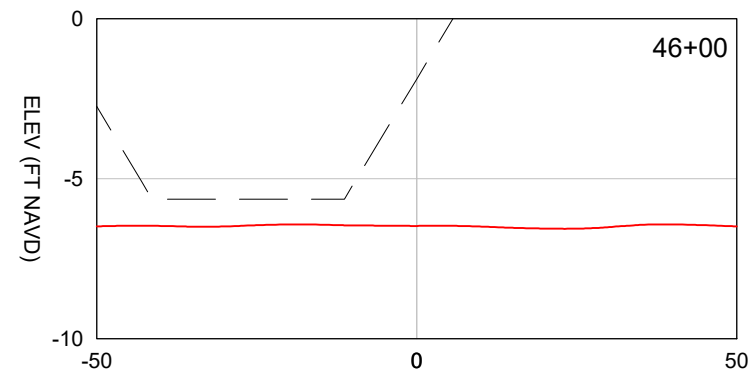
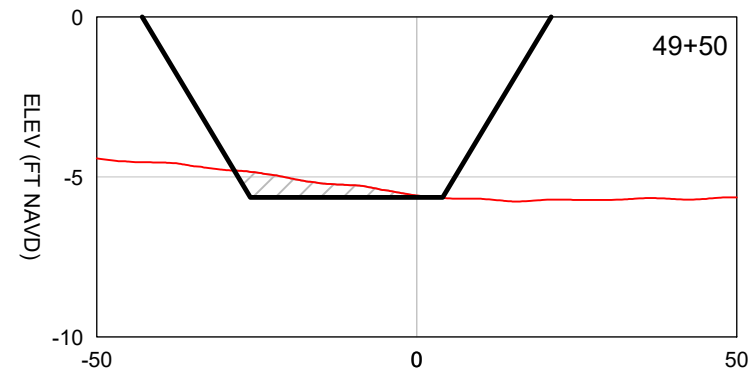
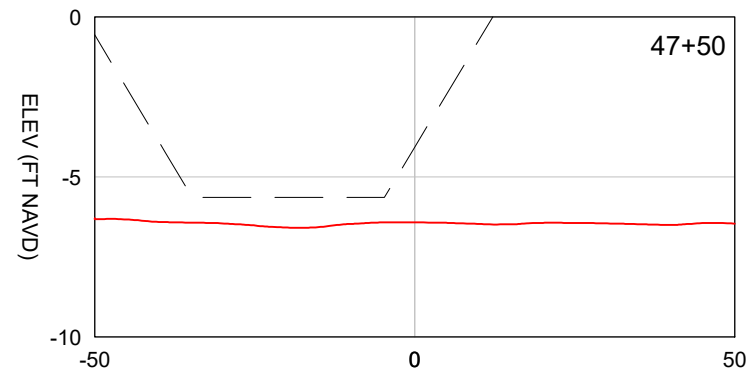
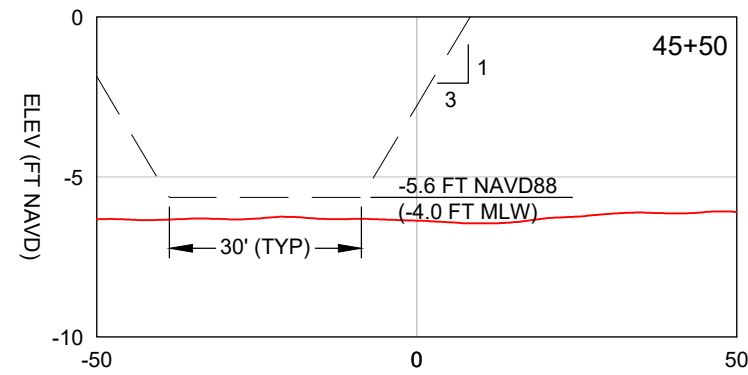
SCALE:
H: 1" = 30'
V: 1" = 6'



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CHECKED: MAK/PG		TITLE: OLD PELICAN BAY CHANNEL DREDGING DREDGE CROSS SECTIONS	
SEC.:		ACAD NO. 22312-OPB-C.dwg	
TWP.:		REF. NO. 22.312	
RNG.:		REVISION NO. 1	
DATE: 3/5/2024		BY: GVT	
NO.:		REVISION DESCRIPTION:	

CIVIL ENGINEERING CLIENT:
SURVEY & MAPPING
COASTAL ENGINEERING
ENVIRONMENTAL
PLANNING SERVICES
PHONE: (239)643-2324
FAX: (239)643-1143
www.coastalengineering.com
E-Mail: info@cecill.com

COASTAL ENGINEERING CONSULTANTS INC.
Serving Florida Since 1977
28421 BONITA CROSSINGS BLVD
BONITA SPRINGS, FLORIDA 34135



DISTANCE FROM SURVEY BASELINE (FT)

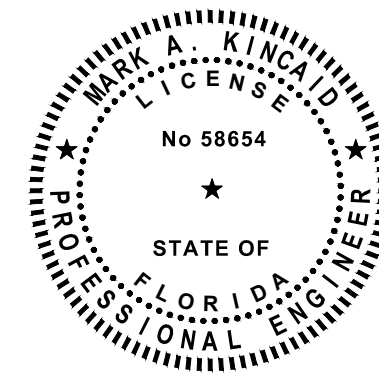
DISTANCE FROM SURVEY BASELINE (FT)

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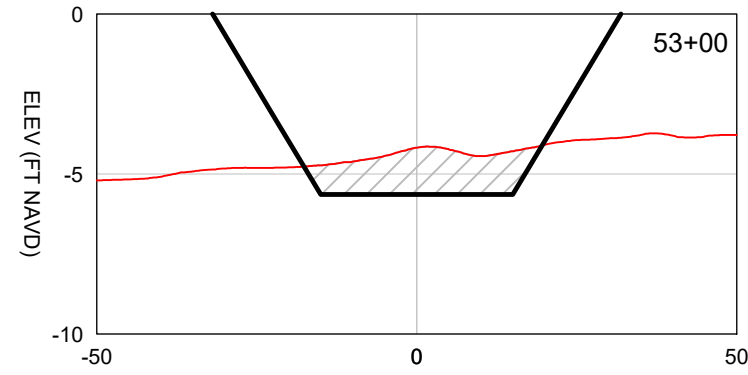
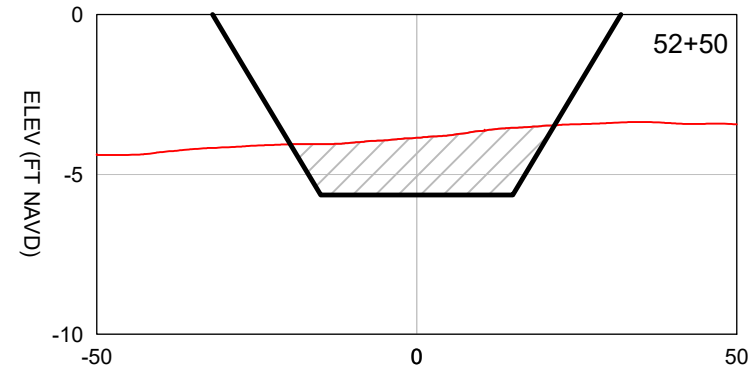
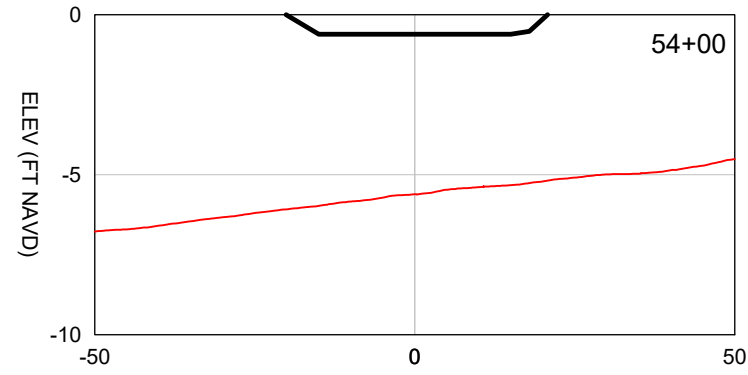
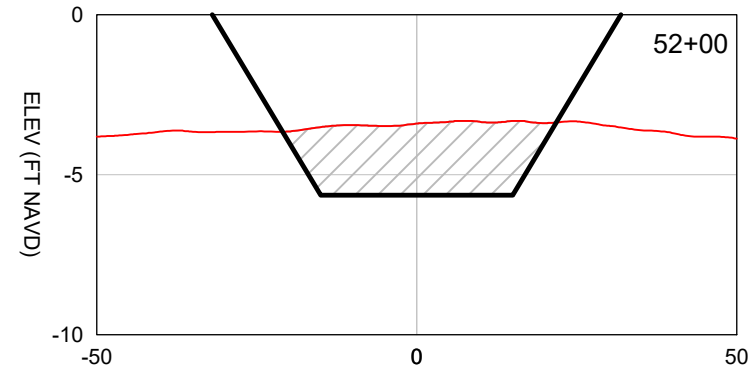
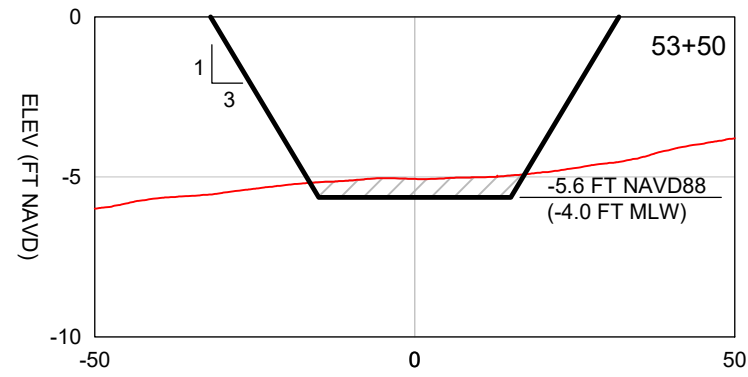
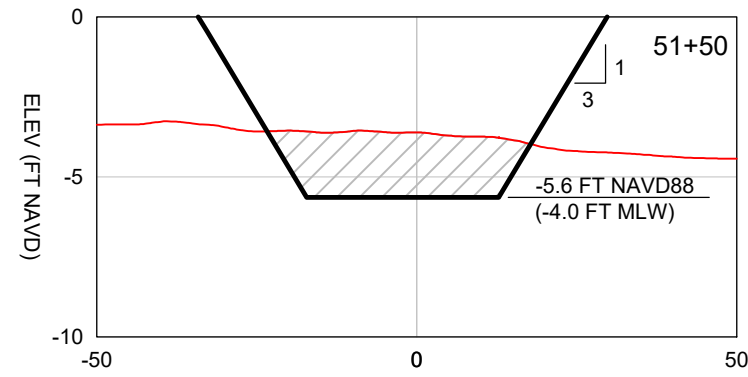
LEGEND:

- = FEBRUARY 2023 SURVEY
- = PROPOSED DREDGE AREA

SCALE:
H: 1" = 30'
V: 1" = 6'



DATE: 10/12/2023		SCALE: AS NOTED	
DRAWN: GVT/FB		REVISED: GVT	
CHECKED: MAK/PG		REVISED: MAK/PG	
SEC:		TYP:	
ACAD NO. 22312-OPB-C.dwg		RNG:	
REF. NO.		NO. 1	
		DATE 3/5/2024	
		BY	
		REVISION DESCRIPTION	
		22.312	
LEE COUNTY			
OLD PELICAN BAY CHANNEL DREDGING DREDGE CROSS SECTIONS			
CIVIL ENGINEERING CLIENT:		TITLE:	
SURVEY & MAPPING		COASTAL ENGINEERING	
ENVIRONMENTAL		PLANNING SERVICES	
PHONE: (239)643-2324		E-MAIL: info@cecill.com	
FAX: (239)643-1143		WWW.COASTALENGINEERING.COM	
28421 BONITA CROSSINGS BLVD		BONITA SPRINGS, FLORIDA 34135	
SHEET 5		FILE NO.: 22312-OPB-C-5	

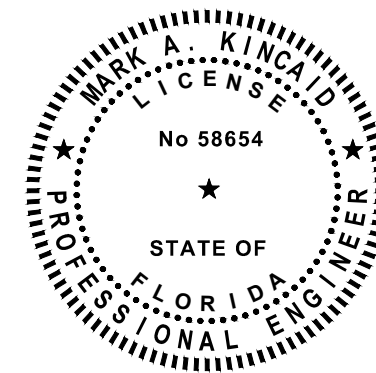


DISTANCE FROM SURVEY BASELINE (FT)

LEGEND:

- = FEBRUARY 2023 SURVEY
- = PROPOSED DREDGE AREA

SCALE:
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V: 1" = 6'



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Serving Florida Since 1977
28421 BONITA CROSSINGS BLVD
BONITA SPRINGS, FLORIDA 34135

DATE:	10/12/2023	SCALE:	AS NOTED
DRAWN:	GVT/FB.	CHECKED:	MAK/PG.
SEC.	TWP.	RNG.	
ACAD NO.	22312-OPB-C.dwg	REVISE	DATE
REF. NO.	22.312	NO.	BY
		1	3/5/2024
			GVT
			REVISION DESCRIPTION

LEE COUNTY
OLD PELICAN BAY CHANNEL DREDGING
DREDGE CROSS SECTIONS

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