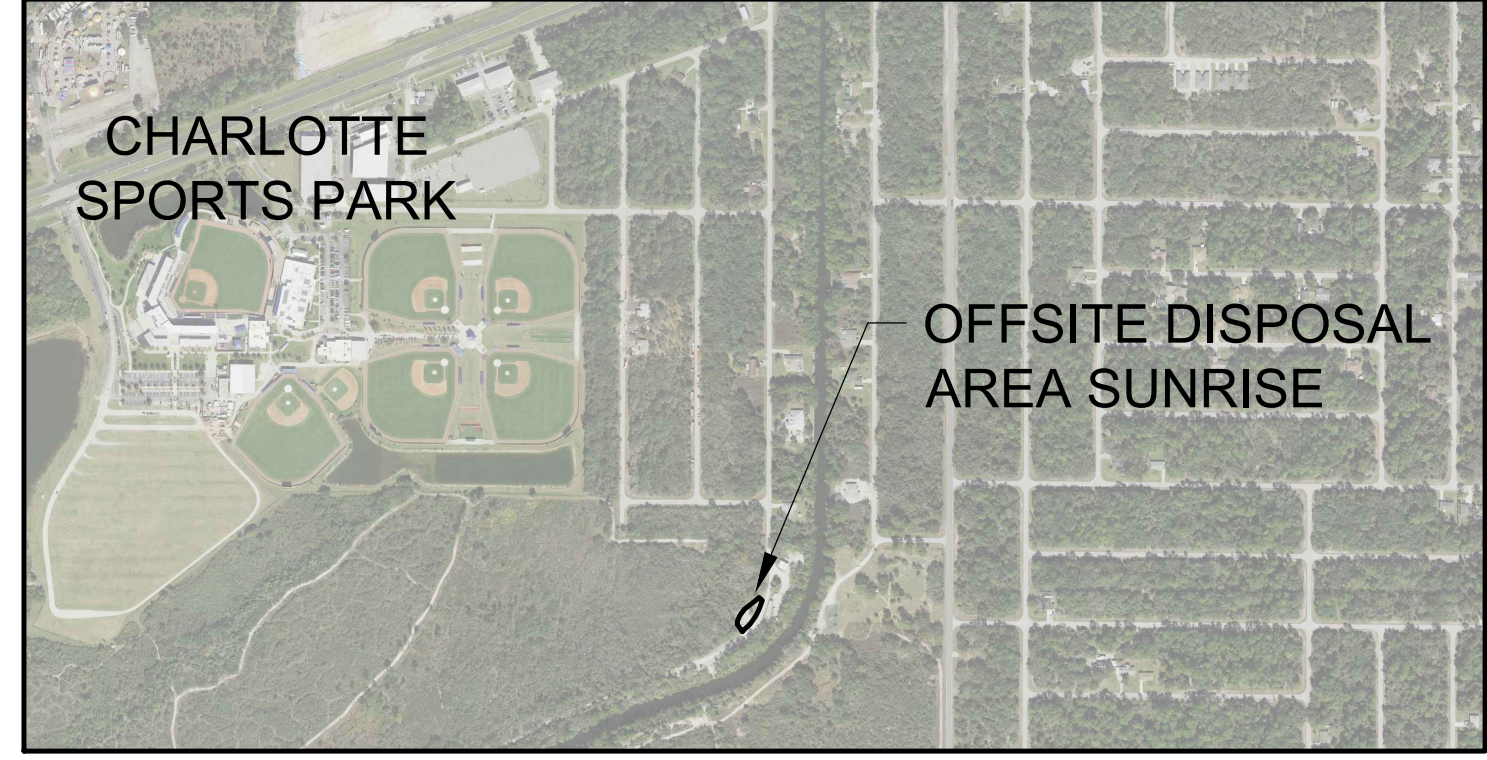


SUNRISE AND BUENA VISTA WATERWAY DREDGING CONSTRUCTION PLAN SET

PREPARED FOR:
CHARLOTTE COUNTY



SHEET INDEX

1. COVER SHEET
2. SUNRISE DREDGING PLAN VIEW
3. SUNRISE OFFSITE DISPOSAL AREA PLAN VIEW
4. SUNRISE DREDGE CROSS SECTIONS: -2+00 TO 14+00
5. SUNRISE DREDGE CROSS SECTIONS: 14+50 TO 16+50
6. SUNRISE DISPOSAL SITE PROFILES: 2+75 TO 18+50
7. BUENA VISTA DREDGING PLAN VIEW
8. BUENA VISTA OFFLOAD SITE AND TEMPORARY DISPOSAL AREA PLAN VIEW
9. BUENA VISTA DREDGE CROSS SECTIONS: GARDNER -1+00 TO 9+00
10. BUENA VISTA DREDGE CROSS SECTIONS: GEORGE RD 200+00 TO 209+00

NOTES

1. BATHYMETRIC SURVEY OF SUNRISE AND BUENA VISTA WATERWAYS COMPLETED BY COASTAL ENGINEERING CONSULTANTS, INC. (CEC), ON 4/24/2023.
2. TOPOGRAPHIC AND BATHYMETRIC SURVEY OF PORT CHARLOTTE BEACH COMPLETED BY CEC ON 8/11/2023.
3. CHANNEL MARKERS AND SIGNS WERE LOCATED BY CEC ON 4/24/2023.
4. SEAGRASS EDGE ALONG PORT CHARLOTTE BEACH SURVEYED BY CEC ON 8/20/2021.
5. VEGETATION ALONG PORT CHARLOTTE BEACH SURVEYED BY CEC ON 8/11/2023.
6. PLANE COORDINATES ARE BASED ON THE TRANSVERSE MERCATOR PROJECTION FOR THE WEST ZONE OF FLORIDA AND REFERENCED TO THE NORTH AMERICAN DATUM OF 1983 (NAD 83).
7. ELEVATIONS SHOWN HEREON ARE IN FEET AND TENTHS AND REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). REFERENCE BENCHMARK: U 797, ELEV. = +4.25' NAVD88.
8. TIDAL REDUCTIONS WERE OBTAINED UTILIZING REAL-TIME KINEMATIC GPS AND REFERENCED TO NAVD88.
9. 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, 11/30/2013.
10. INFORMATION SHOWN HEREON REFLECTS CONDITIONS AS THEY EXISTED ON THE SURVEY DATE SHOWN AND CAN ONLY BE CONSIDERED INDICATIVE OF CONDITIONS AT THAT TIME.
11. AERIAL PHOTOGRAPHY OBTAINED FROM NOAA, DATED 9/30/2022.
12. ANY PUBLIC LAND PROPERTY CORNER WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED BY THE CONTRACTOR. IF A CORNER MONUMENT IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER. ANY SURVEY MONUMENT DESTROYED BY CONSTRUCTION ACTIVITIES SHALL BE REPLACED BY A REGISTERED SURVEYOR & MAPPER AT THE CONTRACTOR'S EXPENSE.
13. CONTRACTOR SHALL NOT DISTURB AREAS BEYOND DESIGNATED WORK AREA.
14. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PREVENTION AND CONTROL OF ANY EROSION, SEDIMENTATION OR SURFACE WATER TURBIDITY CAUSED BY HIS ACTIVITY.
15. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND ELEVATIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION, ANY DEVIATION IN PLAN INFORMATION SHALL BE REPORTED TO THE ENGINEER AND OWNER'S REPRESENTATIVE IMMEDIATELY.
16. CONTRACTOR IS REQUIRED TO OBTAIN FROM THE ENGINEER AND OWNER WRITTEN APPROVAL FOR ANY DEVIATION IN PLANS AND/OR SPECIFICATIONS.

LOCATION MAP
SCALE: 1" = 800'

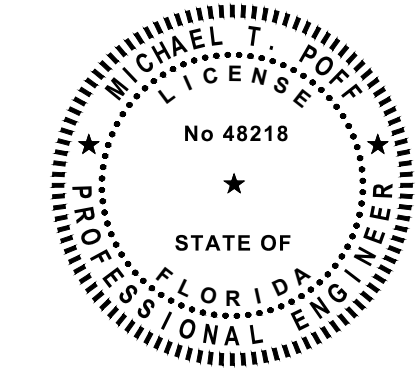
PUBLISHED TIDAL INFORMATION

TIDAL DATUMS AT PUNTA GORDA, CHARLOTTE COUNTY ARE BASED ON FLORIDA 872 5744 TIDE STATION, PUBLISHED 10-18-2010.

LENGTH OF SERIES	= 8 MONTHS
TIME PERIOD	= 7/1977 - 2/1978
TIDAL EPOCH	= 1983 - 2001
CONTROL TIDE STATION	= 872 5110 NAPLES, GULF OF MEXICO

ELEVATIONS OF TIDAL DATUMS ARE REFERENCED IN NAVD88.

MEAN HIGH WATER (MHW)	= +0.06 FT NAVD88
MEAN TIDE LEVEL (MTL)	= -0.57 FT NAVD88
MEAN LOW WATER (MLW)	= -1.20 FT NAVD88
MEAN LOWER LOW WATER (MLLW)	= -1.65 FT NAVD88



COASTAL & MARINE ENGINEERING ENVIRONMENTAL & GEOLOGICAL SERVICES SURVEY AND MAPPING ENGINEERING, CA 2464 SURVEYING, LB 2464

PHONE: (239)643-2324
FAX: (239)643-1143
www.coastal-engineering.com
E-Mail: info@cecinc.com

CLIENT: CHARLOTTE COUNTY

TITLE: SUNRISE AND BUENA VISTA WATERWAY DREDGING COVER SHEET

DATE: 10/19/2023 SCALE: AS NOTED

DRAWN: VVA F.B.

CHECKED: MTP JG.

SEC: TWP: RNG.

ACAD NO: 21120-BuenaVista-C.dwg

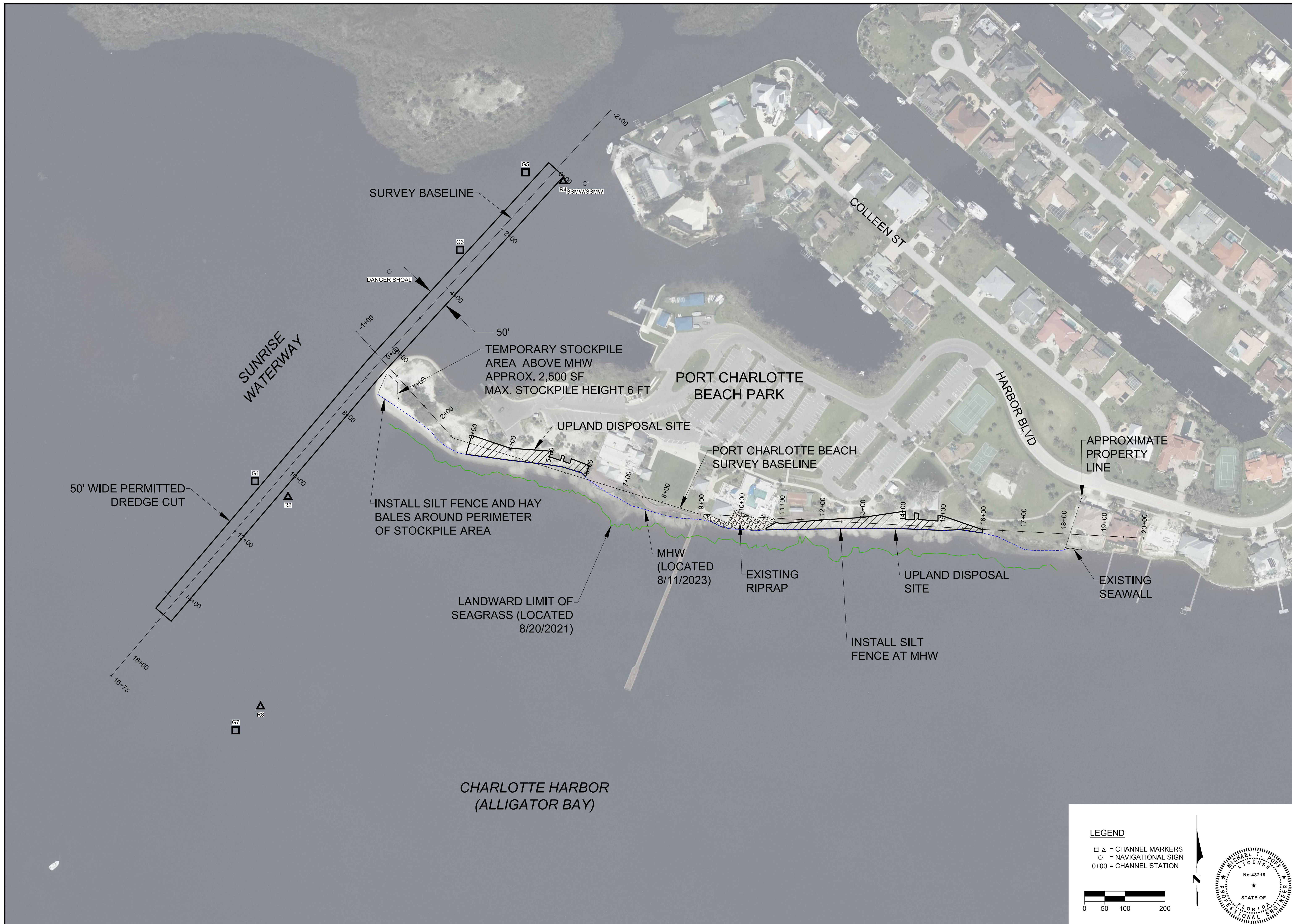
REF. NO: 21,120

NO. 21,120

DATE

BY

REVISION DESCRIPTION

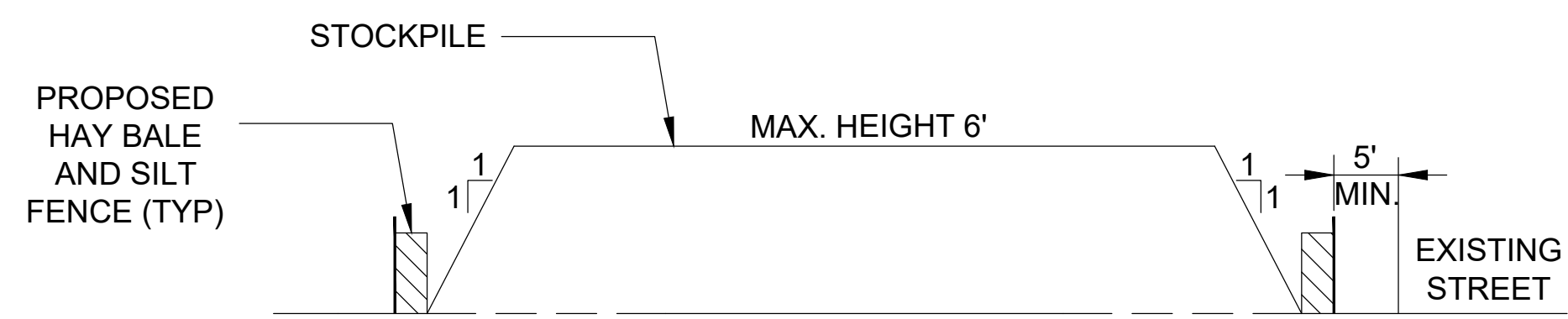


DATE: 10/19/2023 SCALE: AS NOTED DRAWN: VVA CHECKED: MTP SEC: TWP: RING. ACAD NO: 21120-BuenaVista-C.dwg REF. NO: 21,120		CLIENT: CHARLOTTE COUNTY TITLE: SUNRISE WATERWAY DREDGING PLAN VIEW
COASTAL & MARINE ENGINEERING ENVIRONMENTAL & GEOLOGICAL SERVICES SURVEY AND MAPPING ENGINEERING, CA 2464 SURVEYING, LB 2464 PHONE: (239)643-2324 FAX: (239)643-1143 www.coastaleng.com E-Mail: info@cecm.com	Serving Coastal Communities Since 1977 28421 BONITA CROSSINGS BLVD. BONITA SPRINGS, FLORIDA 34135	SHEET 2 FILE NO.: 21120-SUN-C-2

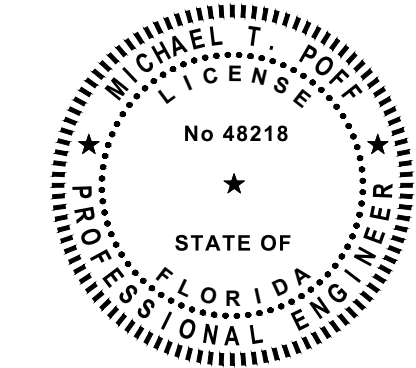
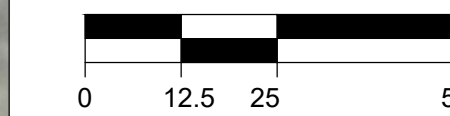
LEGEND

- Δ = CHANNEL MARKERS
- = NAVIGATIONAL SIGN
- 0+00 = CHANNEL STATION

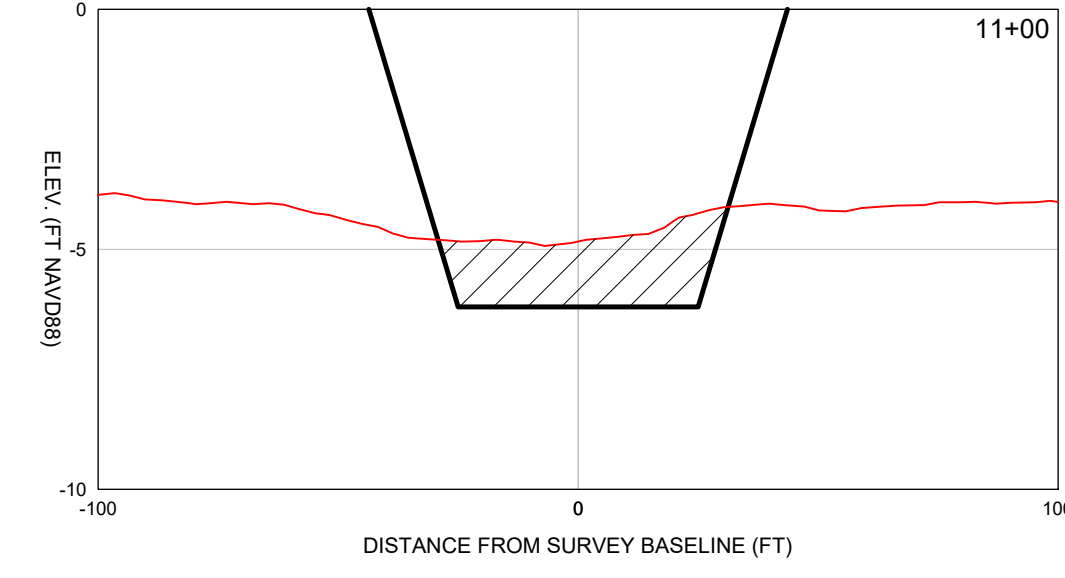
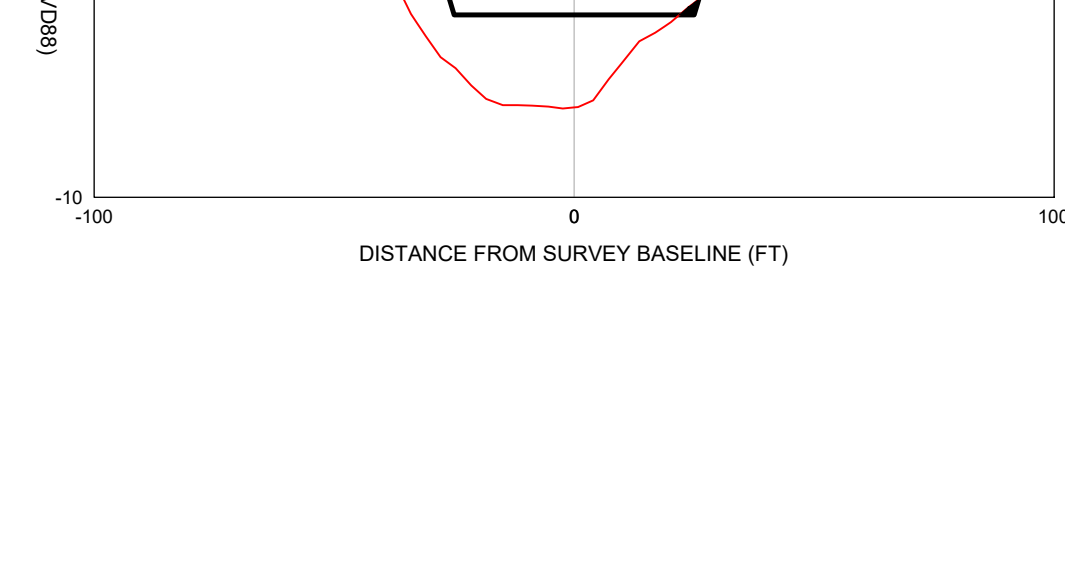
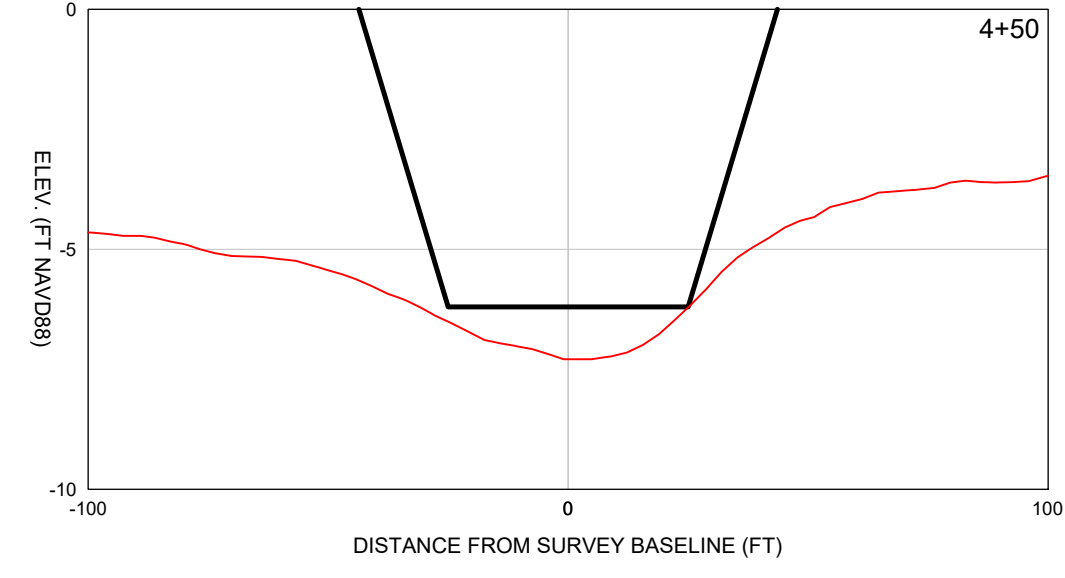
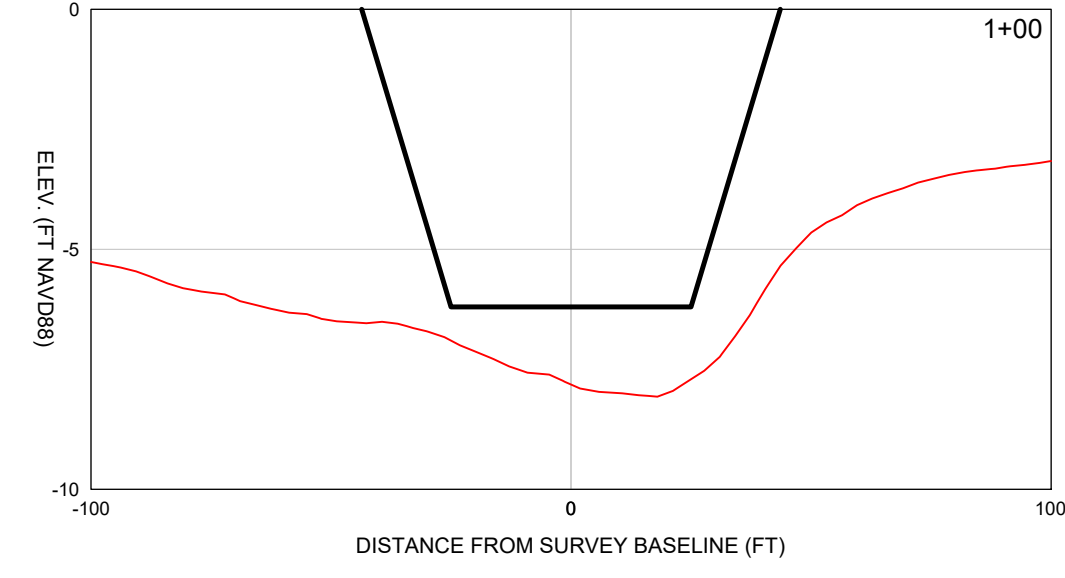
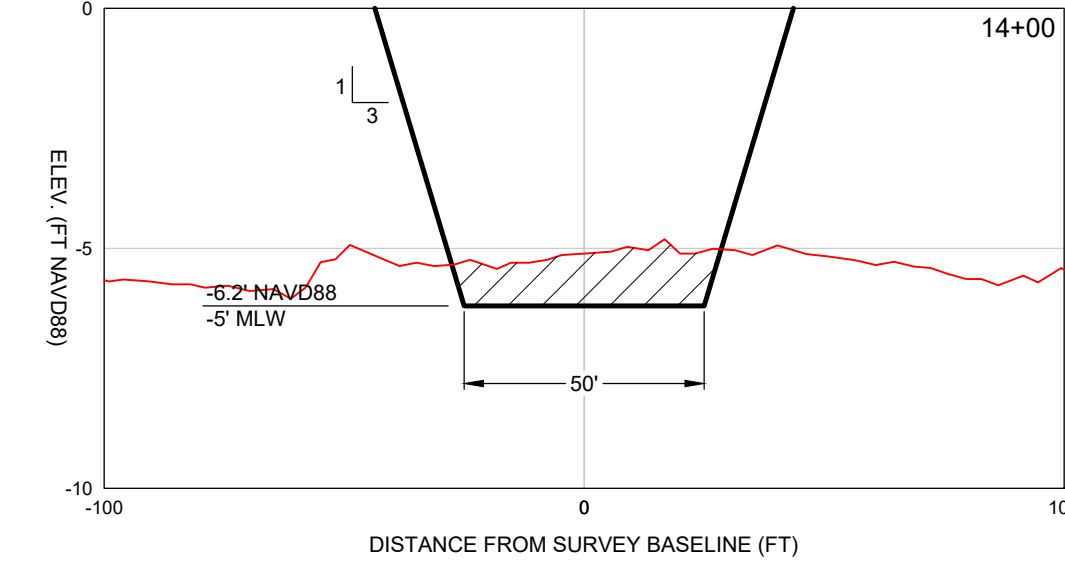
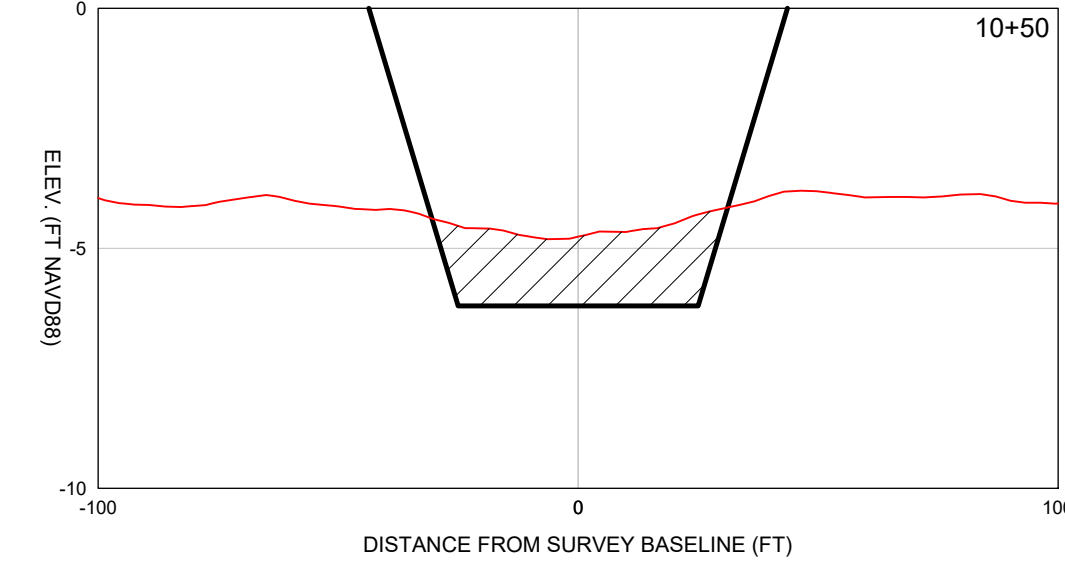
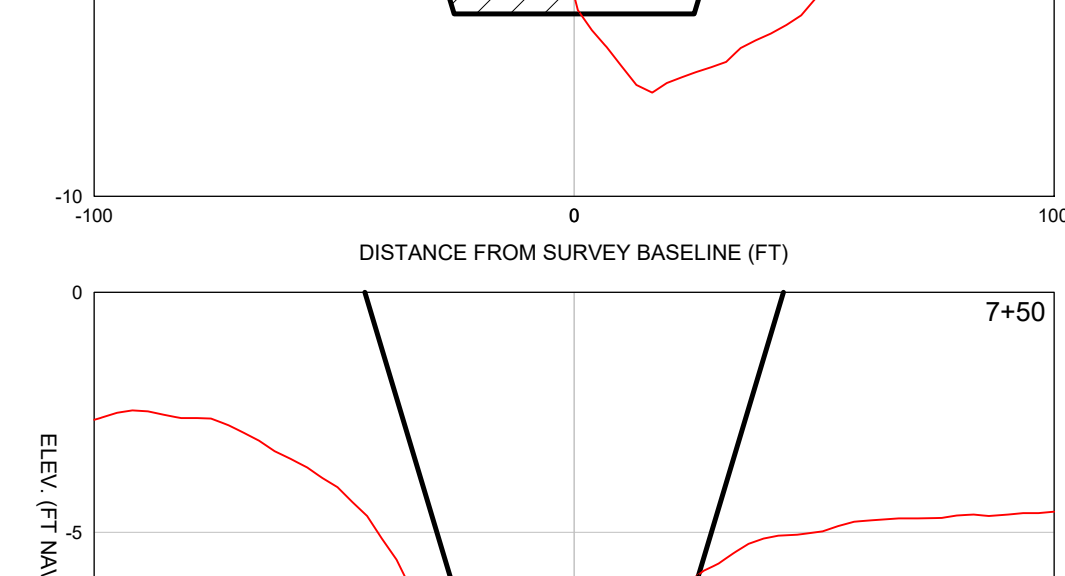
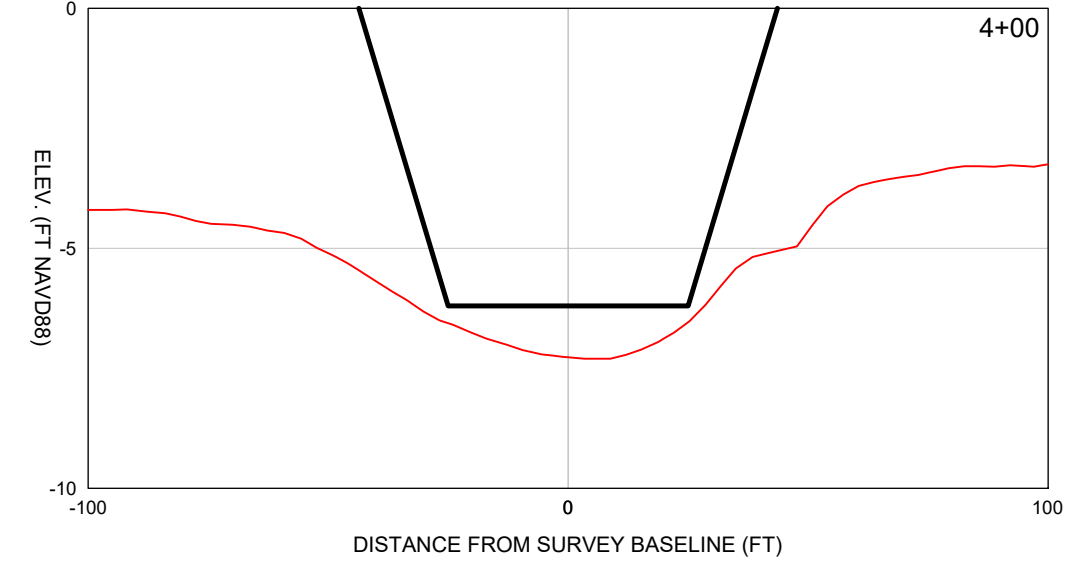
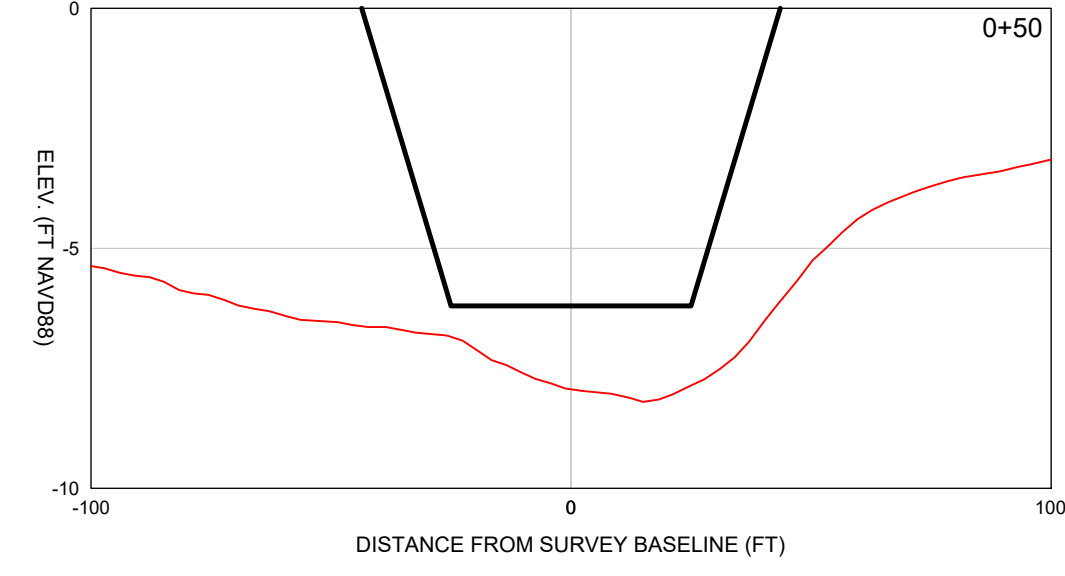
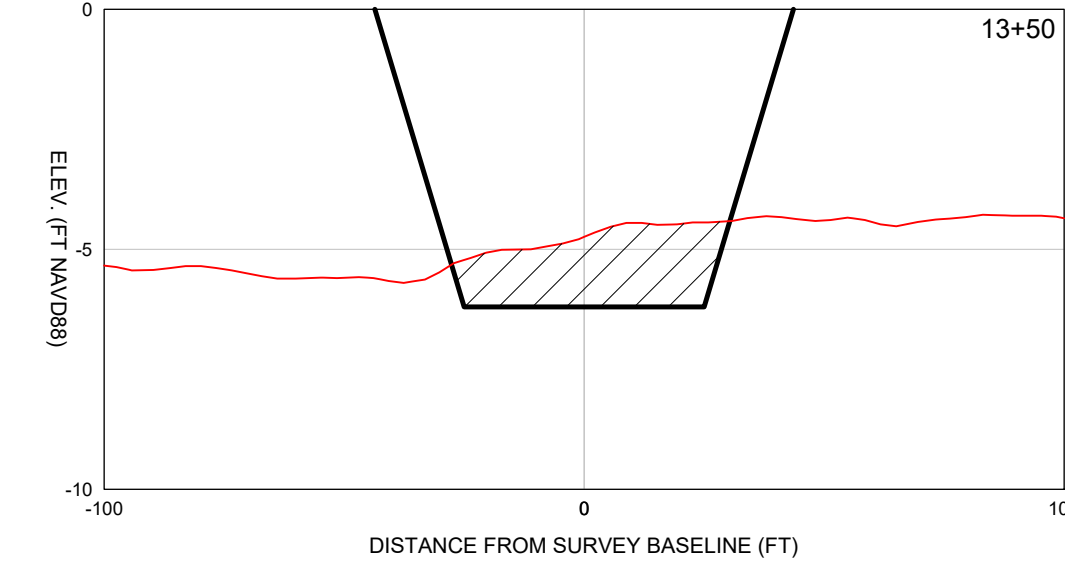
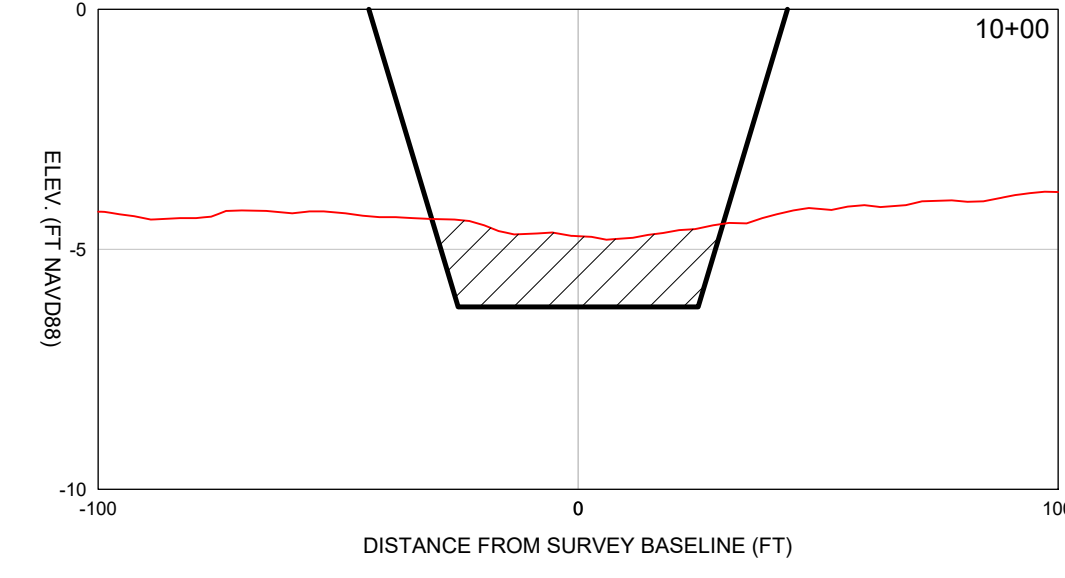
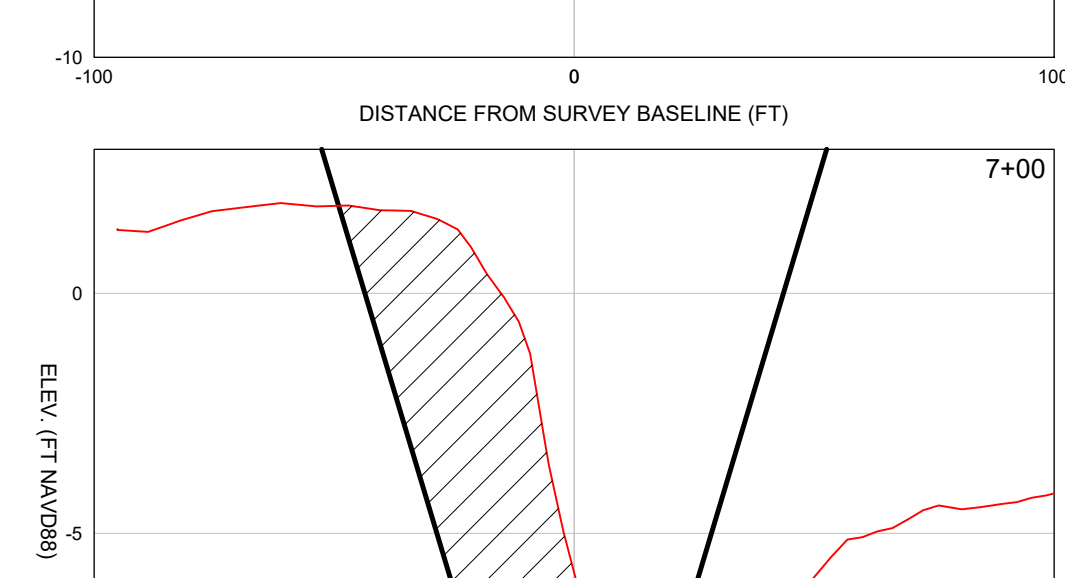
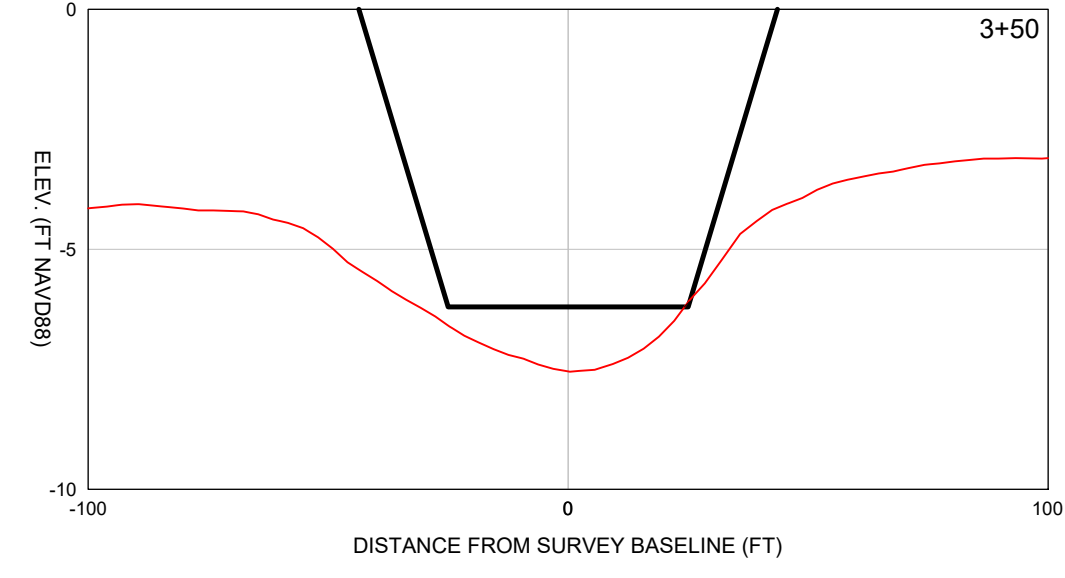
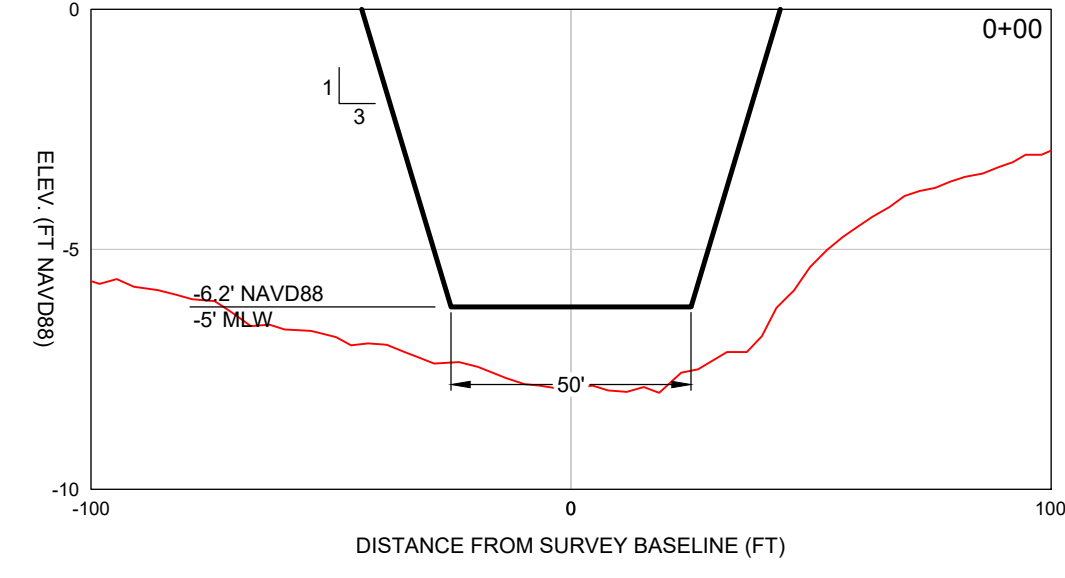
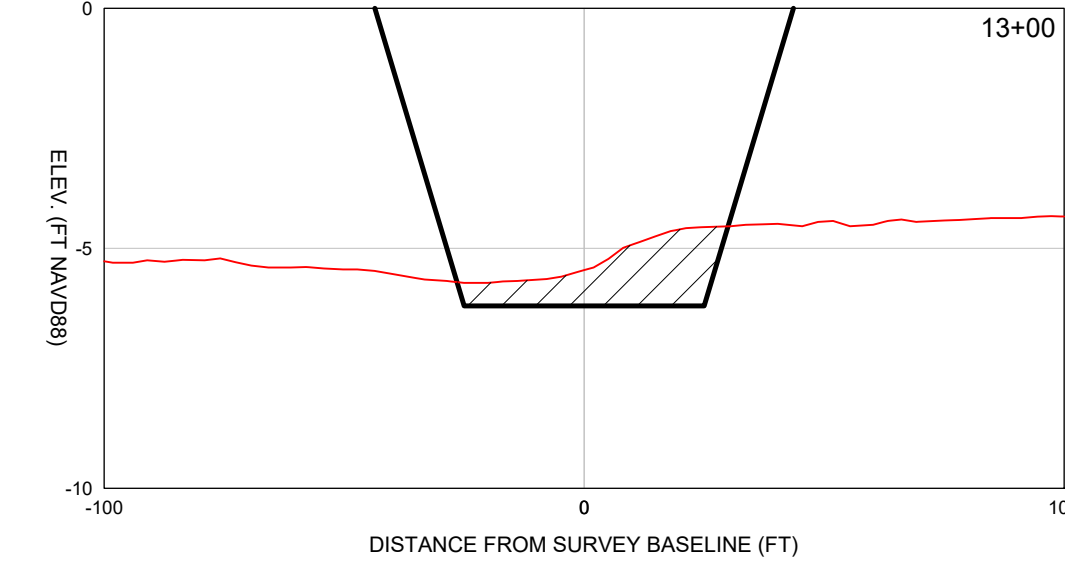
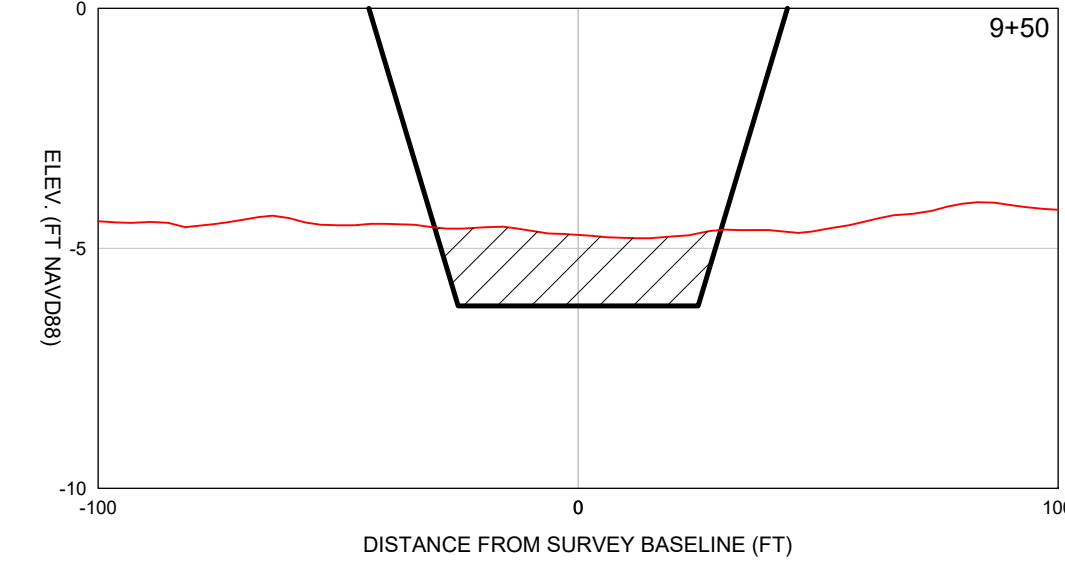
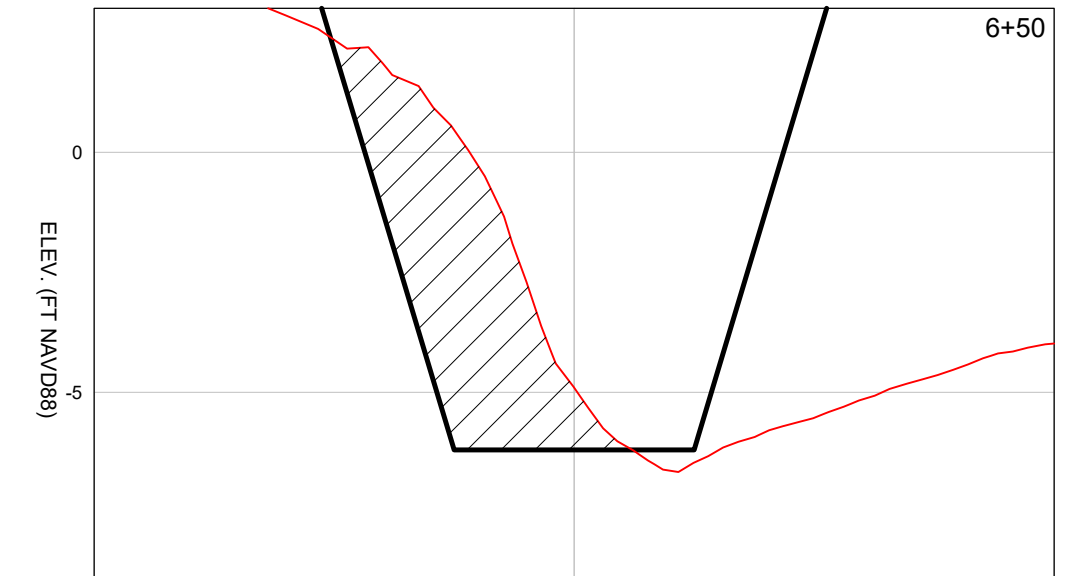
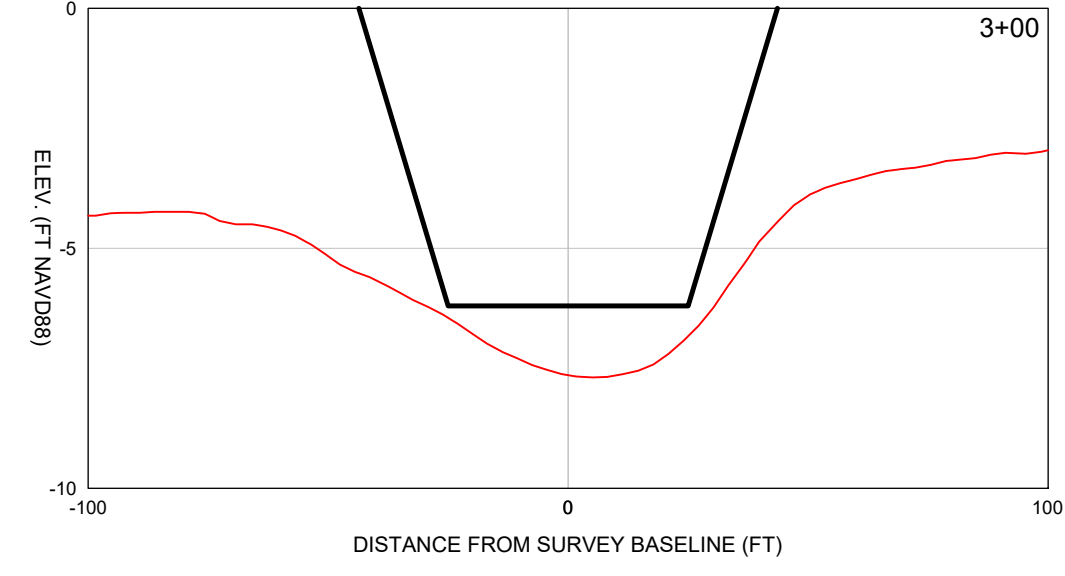
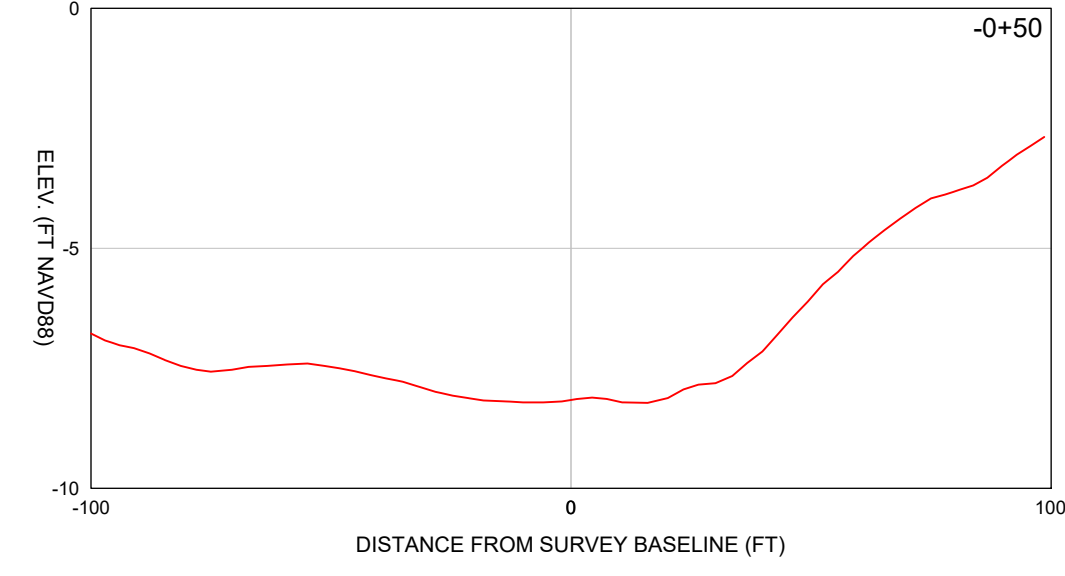
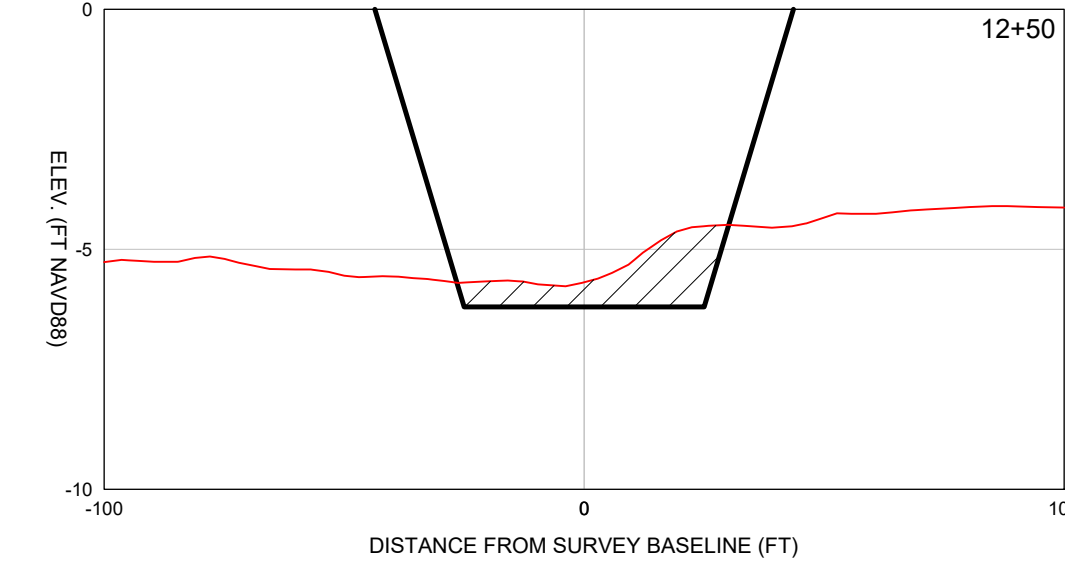
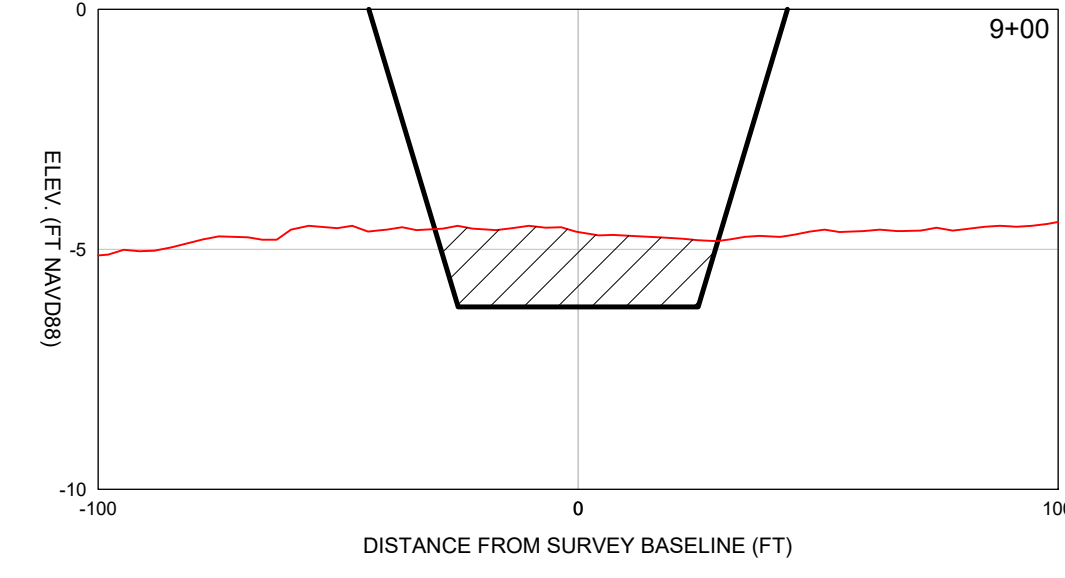
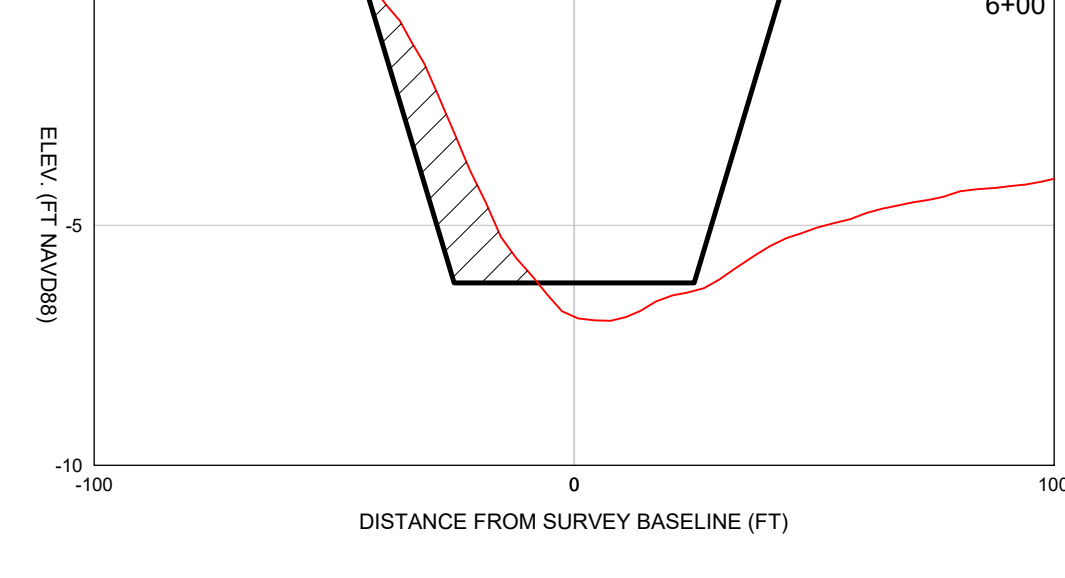
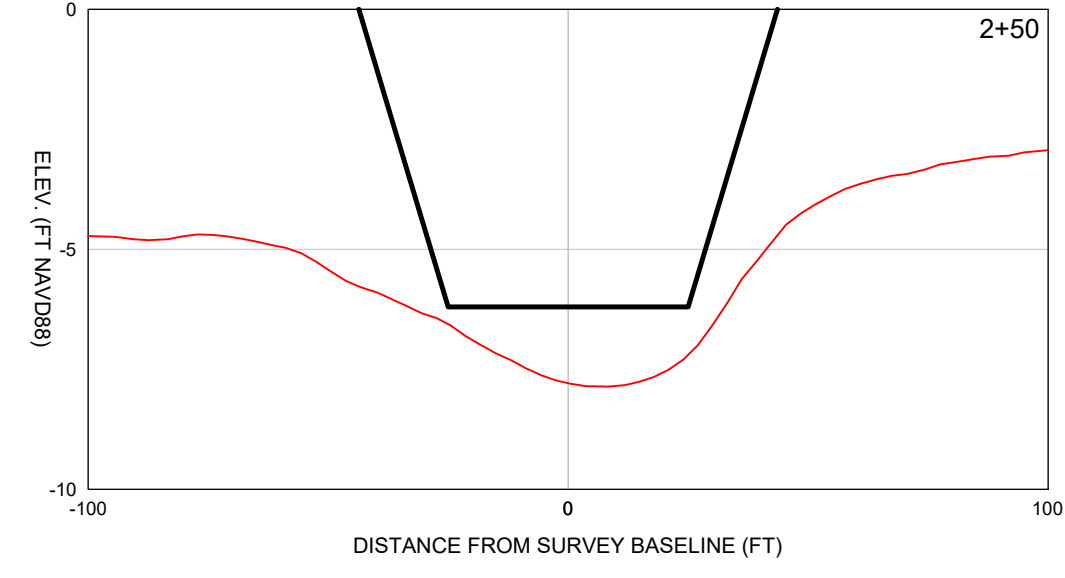
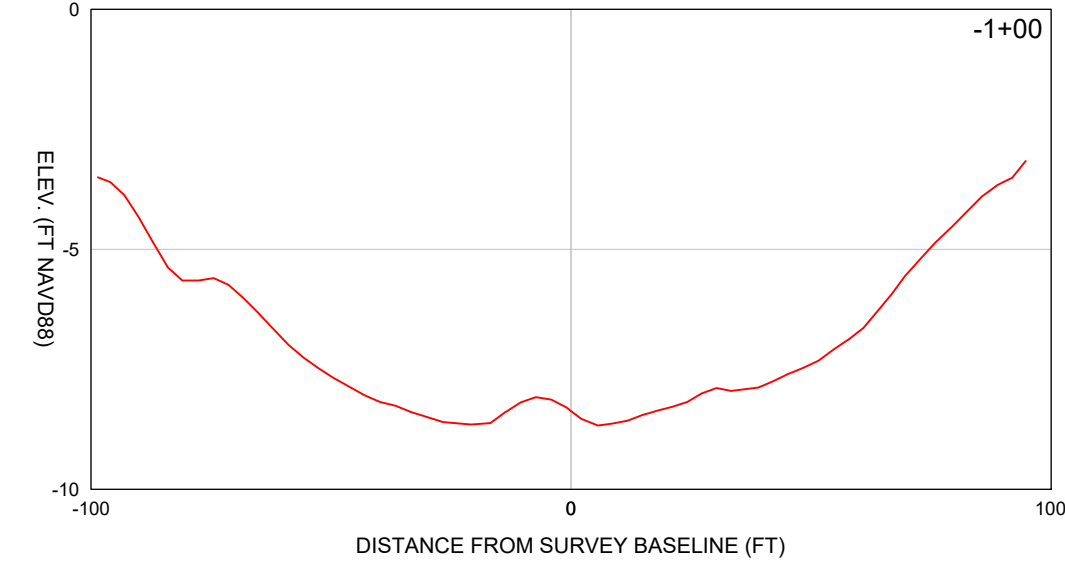
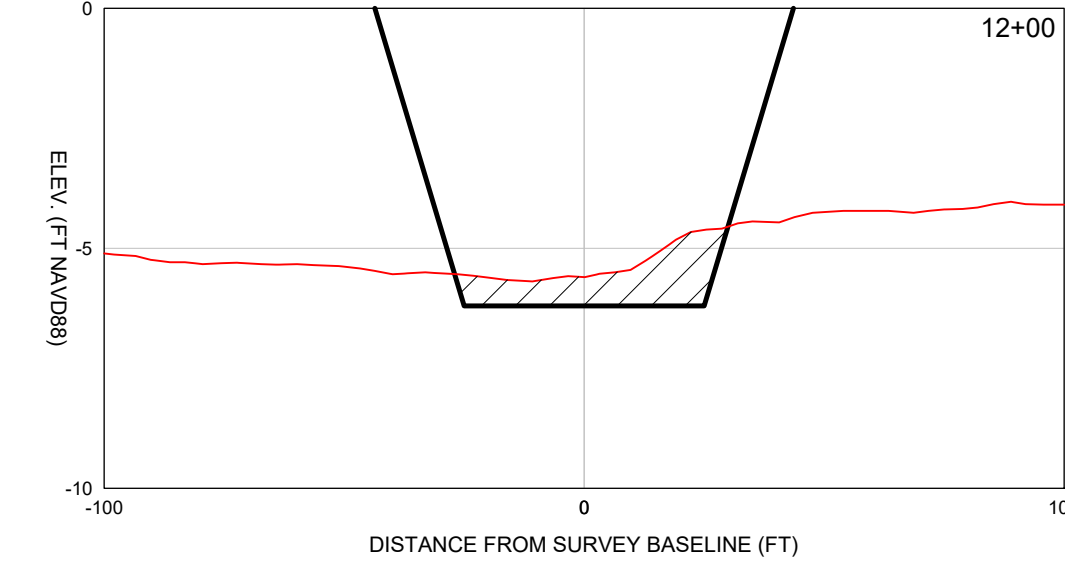
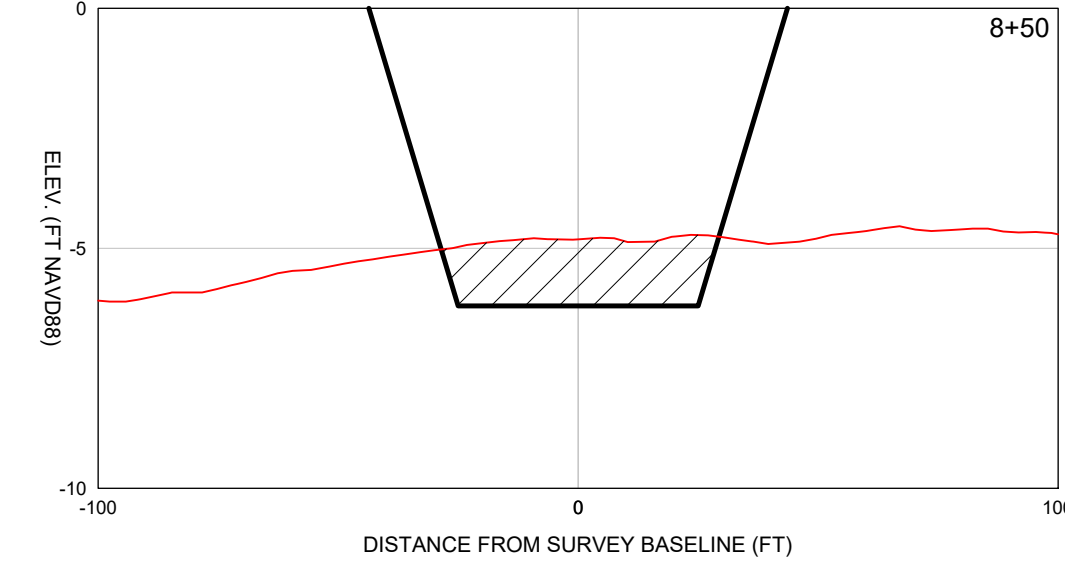
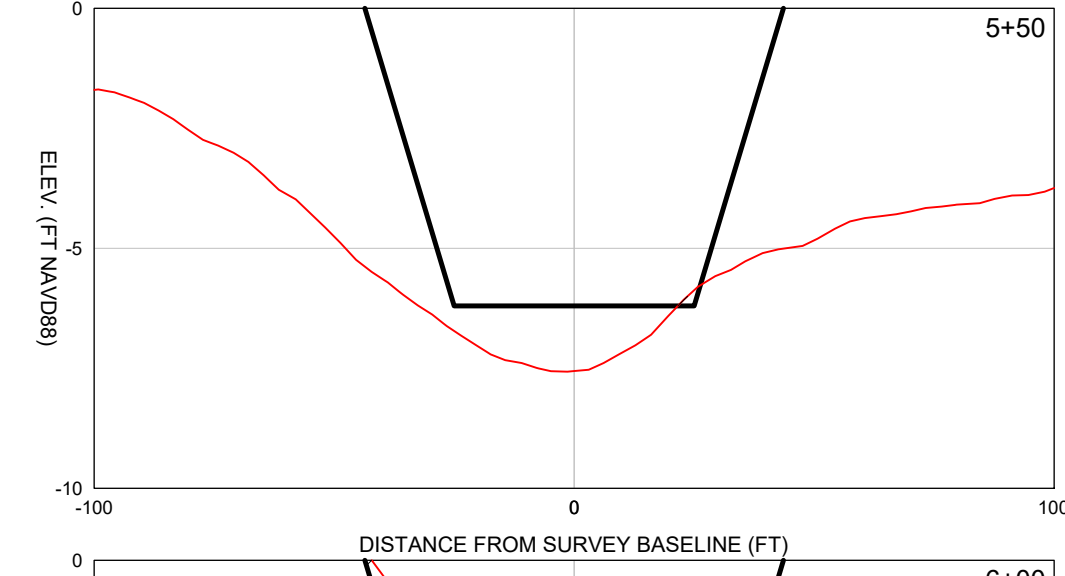
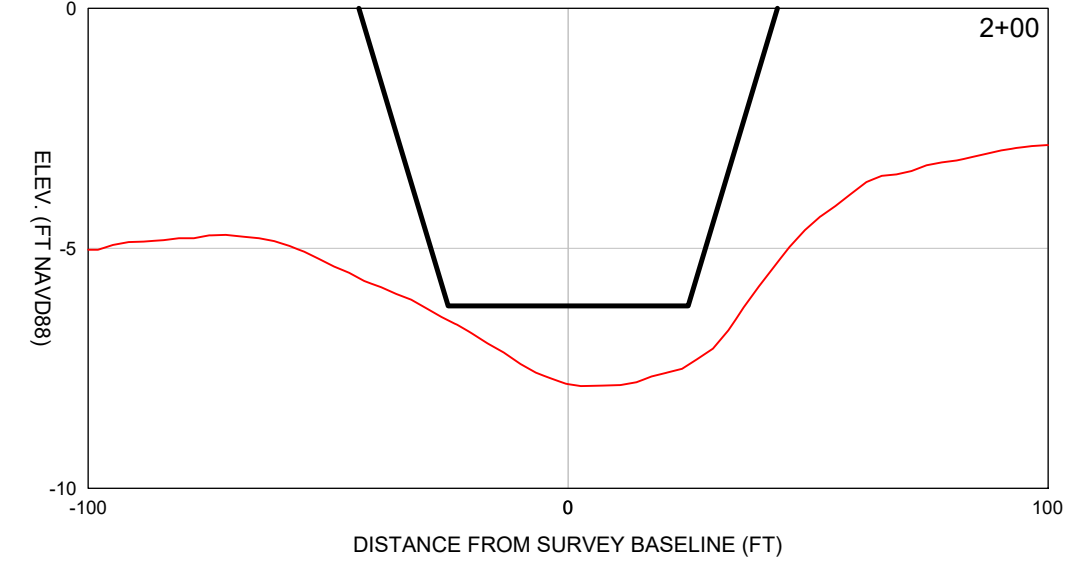
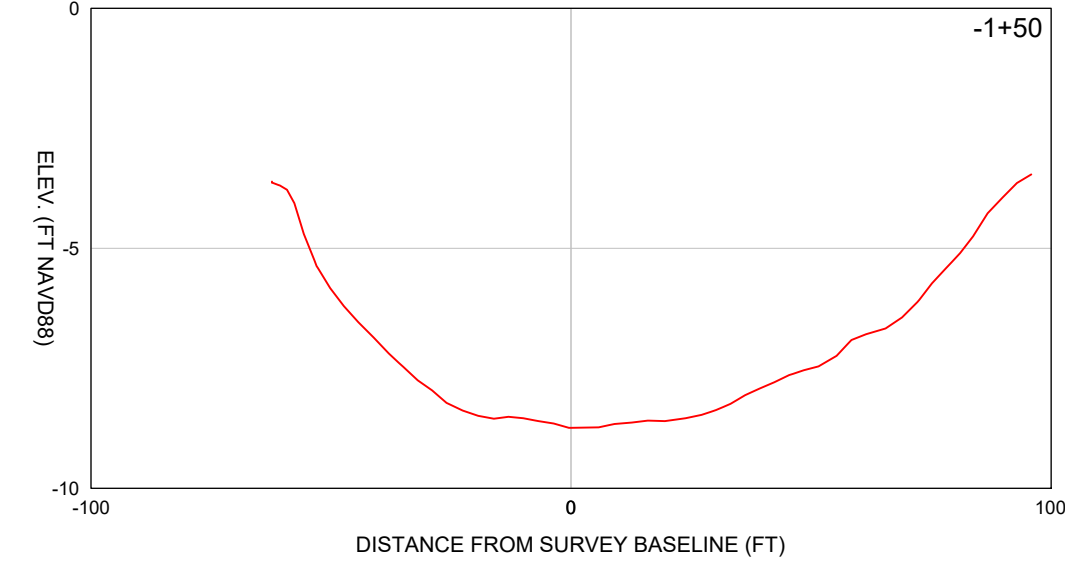
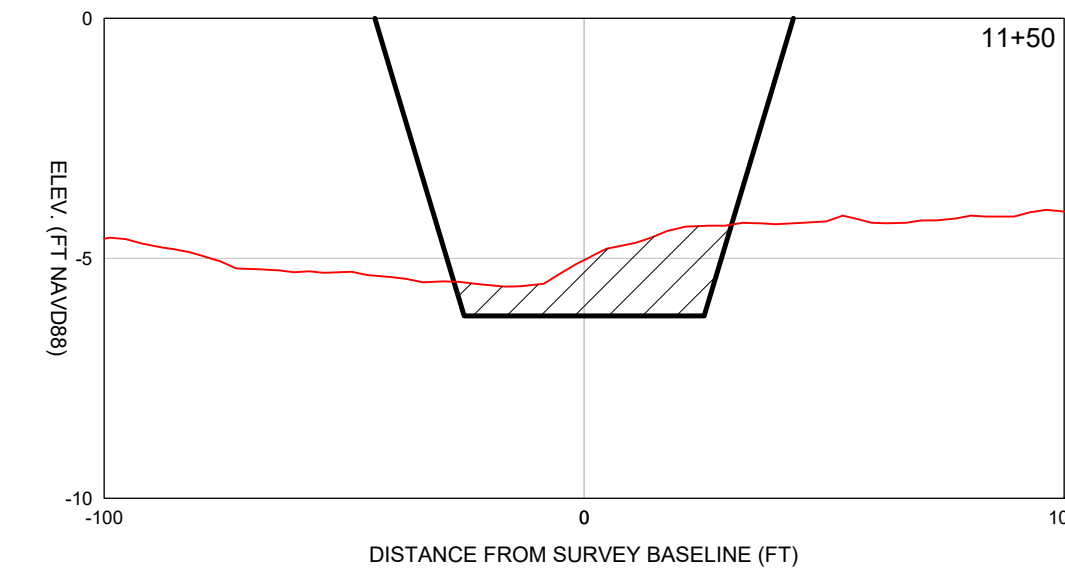
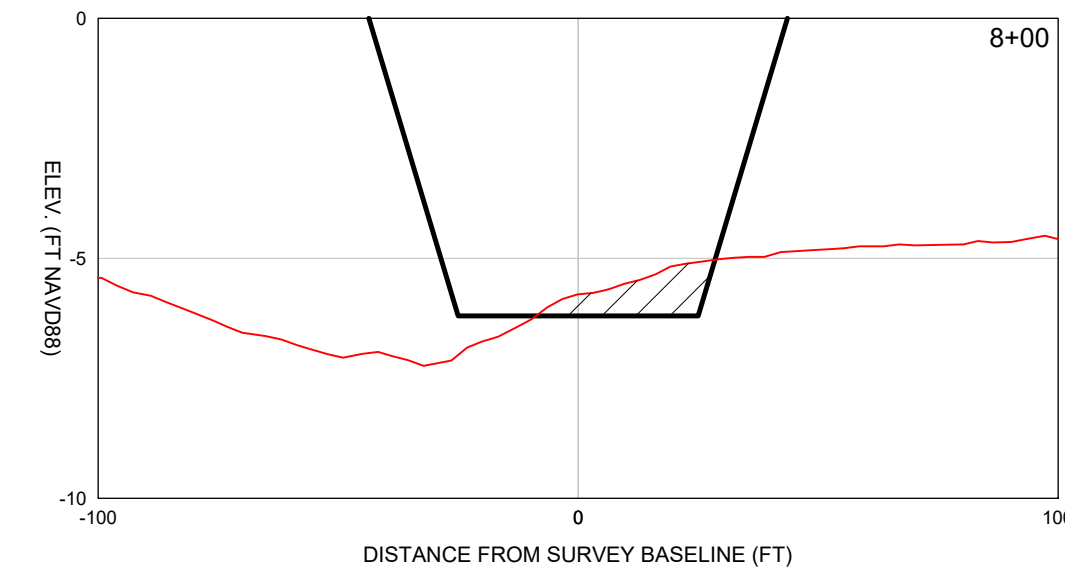
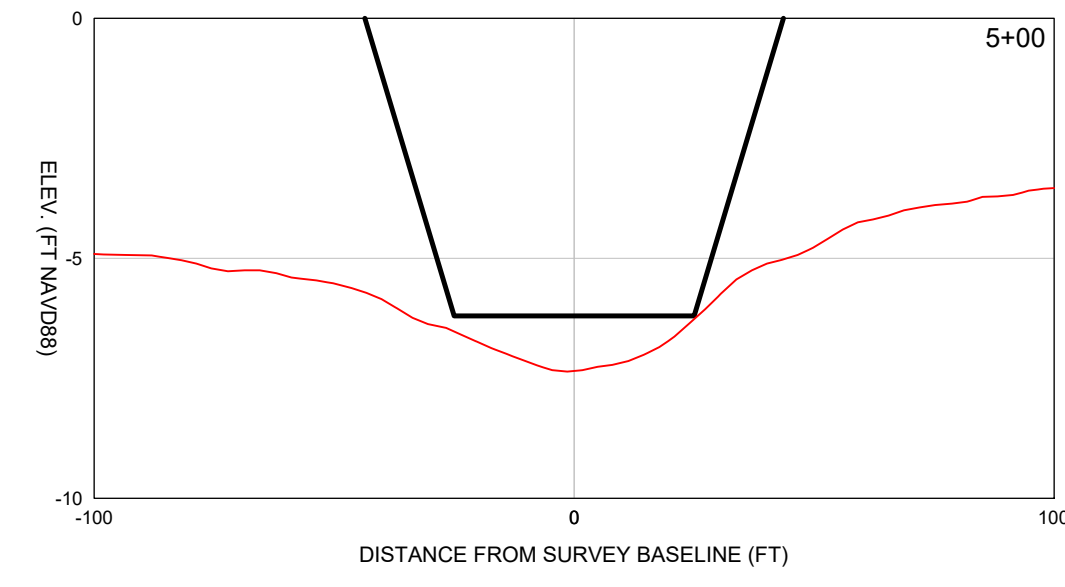
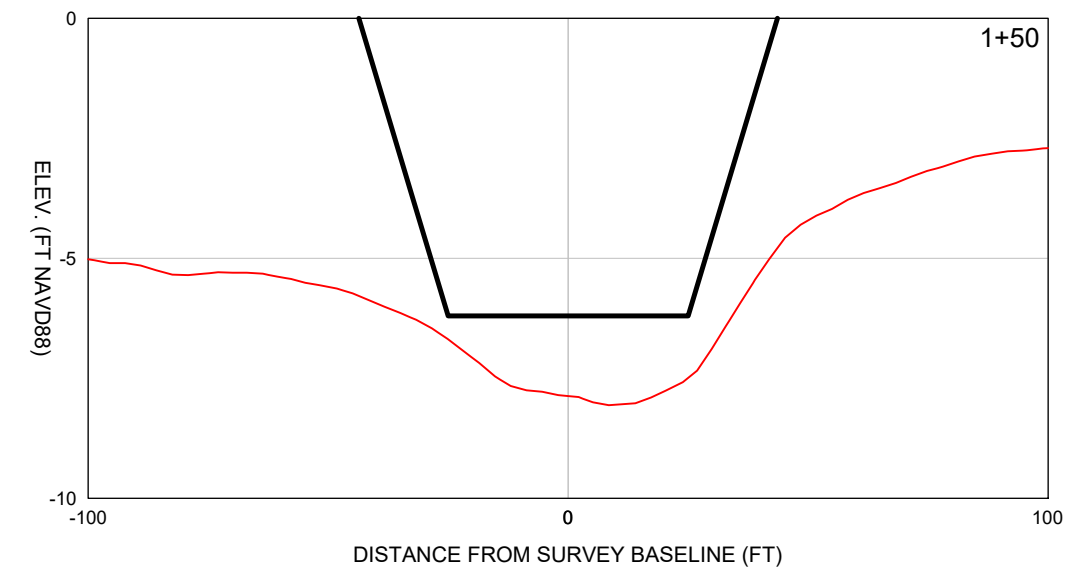
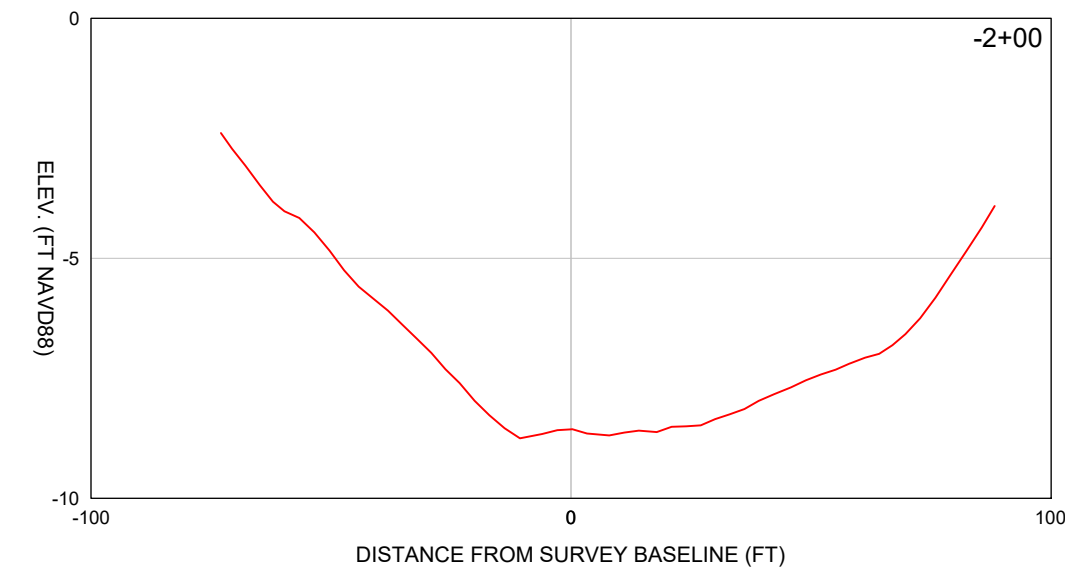
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OFFSITE DISPOSAL AREA DETAIL A-A'
N.T.S.

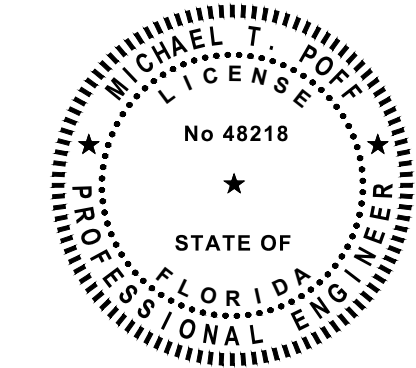


COASTAL ENGINEERING CONSULTANTS INC. Serving Coastal Communities Since 1977 28421 BONITA CROSSINGS BLVD. BONITA SPRINGS, FLORIDA 34135		CLIENT: CHARLOTTE COUNTY TITLE: SUNRISE WATERWAY DREDGING OFFSITE DISPOSAL AREA PLAN VIEW
COASTAL & MARINE ENGINEERING ENVIRONMENTAL & GEOLOGICAL SERVICES SURVEY AND MAPPING ENGINEERING: CA 2464 SURVEYING: LB 2464	PHONE: (239)643-2324 FAX: (239)643-1143 www.coastal-engineering.com E-Mail: info@cecinc.com	DATE: 10/19/2023 DRAWN: VVA CHECKED: MTP SEC: TWP. ACAD NO. 21120-BuenaVista-C.dwg REF. NO.
SCALE: AS NOTED V/A F.B. MTP PG. TWP. RING.	NO. 21,120 DATE BY	REVISION DESCRIPTION



LEGEND
 = 4/24/2023 SURVEY
 = DREDGE AREA

SCALE
 H: 1" = 40'
 V: 1" = 4'



CHARLOTTE COUNTY
SUNRISE WATERWAY DREDGING
DREDGE CROSS SECTIONS:
-2+00 TO 14+00

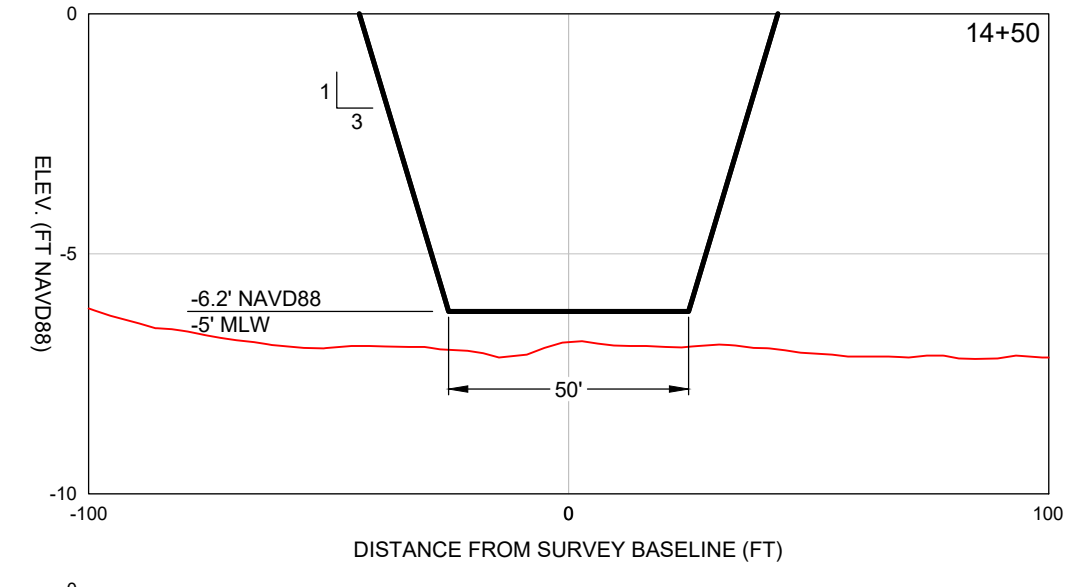
CLIENT: COASTAL & MARINE ENGINEERING ENVIRONMENTAL & GEOLOGICAL SERVICES SURVEY AND MAPPING ENGINEERING, CA 2464 SURVEYING, LB 2464
 TITLE: 21120-Buena Vista-C.dwg

DATE: 10/19/2023 SCALE: AS NOTED
 DRAWN: VVA F.B.
 CHECKED: MTP PG.
 SEC. TWP. RNG.
 ACAD NO. 21120-Buena Vista-C.dwg
 REF. NO. 21.120 NO. 21.120

PHONE: (239)643-2324
 FAX: (239)643-1143
 www.coastal-engineering.com
 E-Mail: info@cecni.com

28421 BONITA CROSSINGS BLVD.
 BONITA SPRINGS, FLORIDA 34135

SHEET 4
 FILE NO.: 21120-SUN-C-4

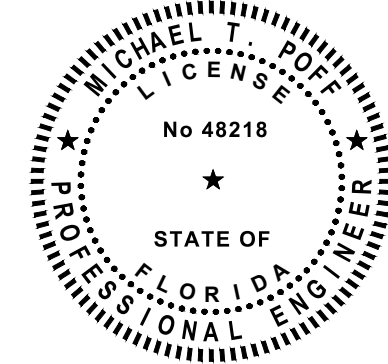
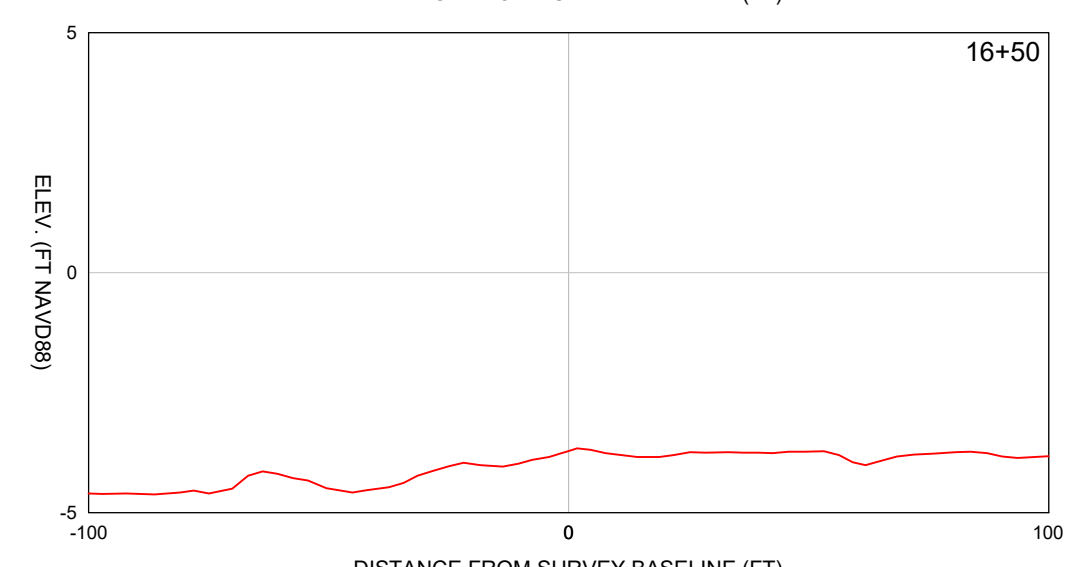
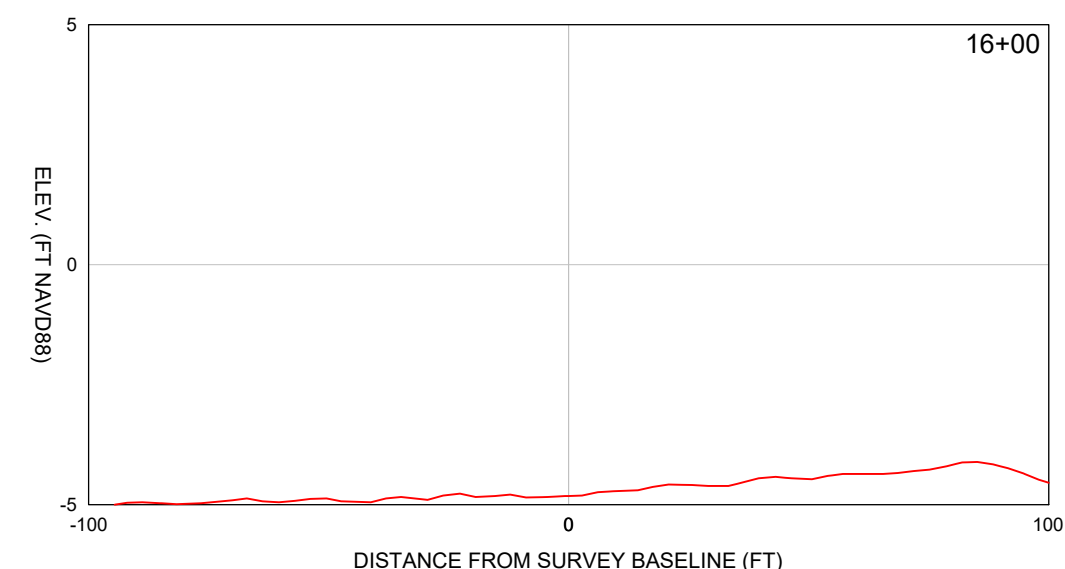
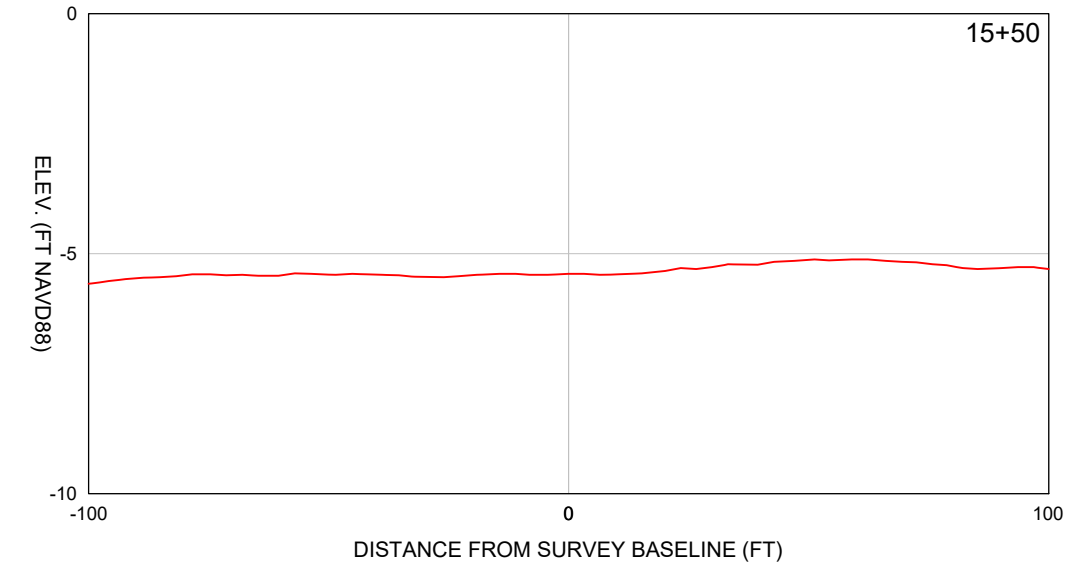
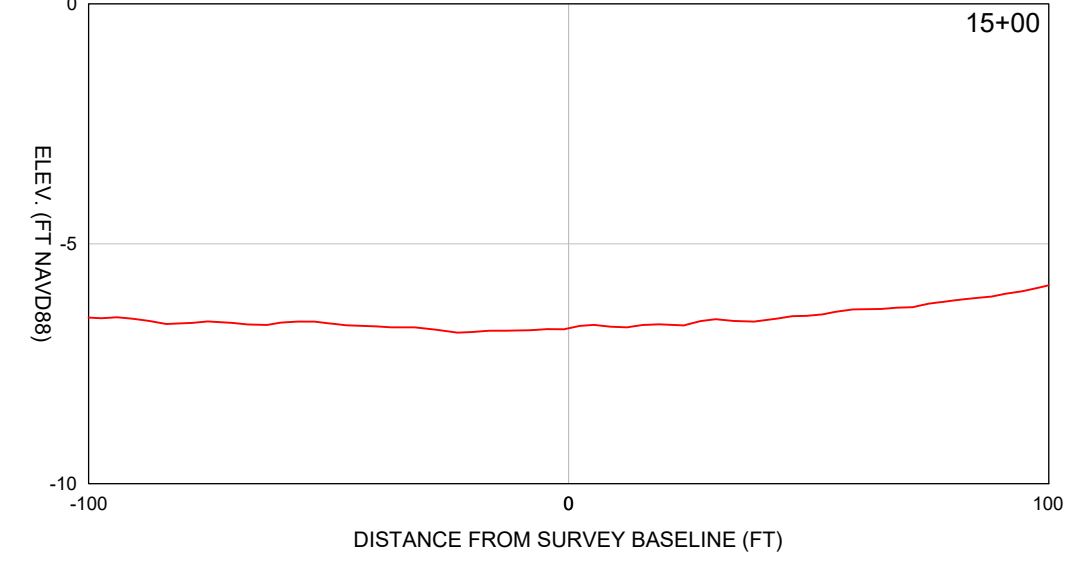


LEGEND

- = 4/24/2023 SURVEY
- = DREDGE AREA

SCALE

H: 1" = 40'
V: 1" = 4'



COASTAL ENGINEERING CONSULTANTS INC.

Serving Coastal Communities Since 1977
28421 BONITA CROSSINGS BLVD.
BONITA SPRINGS, FLORIDA 34135

COASTAL & MARINE ENGINEERING
ENVIRONMENTAL & GEOLOGICAL SERVICES
SURVEY AND MAPPING
ENGINEERING: CA 2464
SURVEYING: LB 2464

PHONE: (239)643-2324
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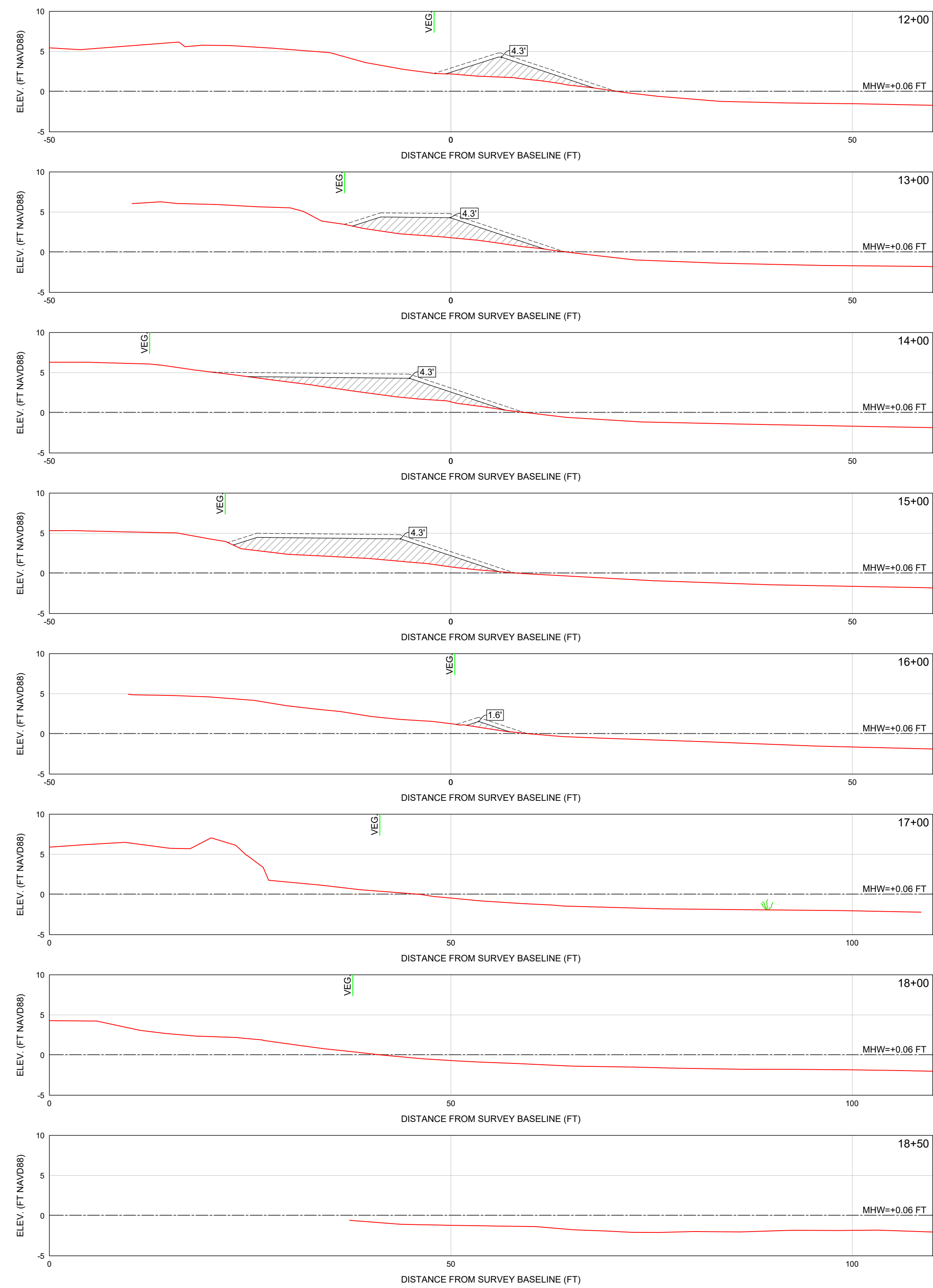
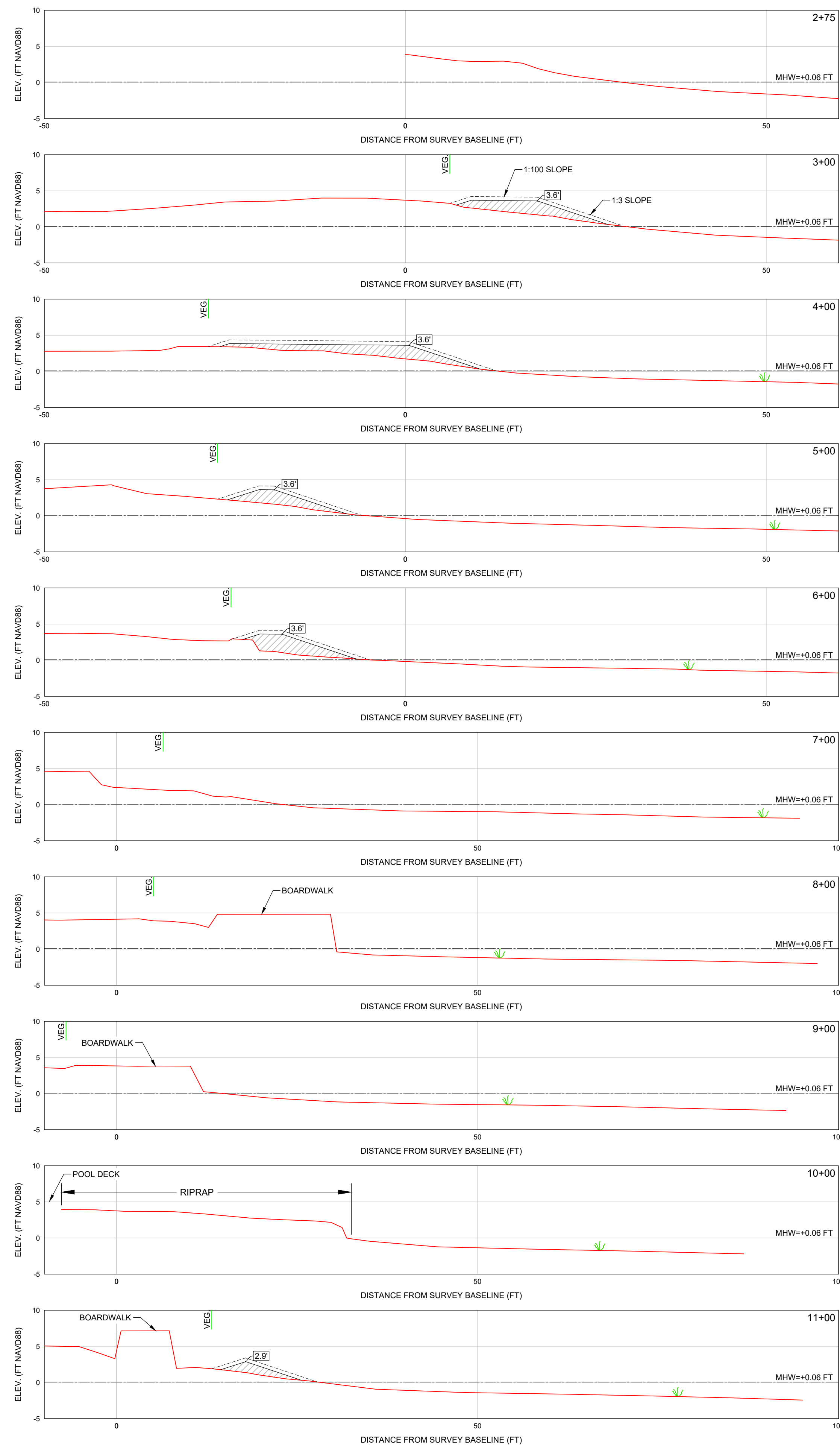
CLIENT: **CHARLOTTE COUNTY**

TITLE: **SUNRISE WATERWAY DREDGING
DREDGE CROSS SECTIONS:
14+50 TO 16+50**

DATE: 10/19/2023 SCALE: AS NOTED
DRAWN: VVA F.B.
CHECKED: MTP JG.
SEC. TWP. RNG.
ACAD NO. 21120-Buena Vista-C.dwg
REF. NO. 21.120

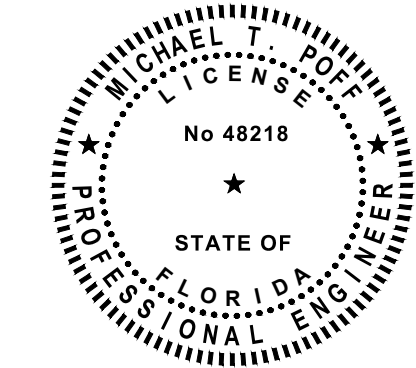
NO.	DATE	BY	REVISION DESCRIPTION

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- LEGEND**
- = BEACH FILL AREA
 - = 0.5' BEACH FILL TOLERANCE
 - = 8/11/2023 SURVEY
 - = PROPOSED ELEVATION (FT NAVD88)
 - = LANDWARD LIMIT OF SEAGRASS (8/20/2021)
 - = UPLAND VEGETATION (8/11/2023)

SCALE: 1" = 10'



CHARLOTTE COUNTY

**SUNRISE WATERWAY DREDGING
DISPOSAL SITE PROFILES:
2+75 TO 18+50**

CLIENT: COASTAL & MARINE ENGINEERING ENVIRONMENTAL & GEOLOGICAL SERVICES SURVEY AND MAPPING ENGINEERING, CA 2464 SURVEYING, LB 2464

TITLE:

DATE: 10/19/2023 SCALE: AS NOTED

DRAWN: VVA F.B.

CHECKED: MTP PG.

SEC: TWP. RNG.

ACAD NO. 21120-BuenaVisa-C.dwg

REF. NO. 21.120

NO. 21.120

BY

DATE

REVISION DESCRIPTION

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

PHONE: (239)643-2324
FAX: (239)643-1143
www.coastal-engineering.com
E-Mail: info@cecinc.com

SHEET 6

FILE NO.: 21120-SUN-C-6



LEGEND

- Δ = CHANNEL MARKERS
- = NAVIGATIONAL SIGN
- 0+00 = CHANNEL STATION

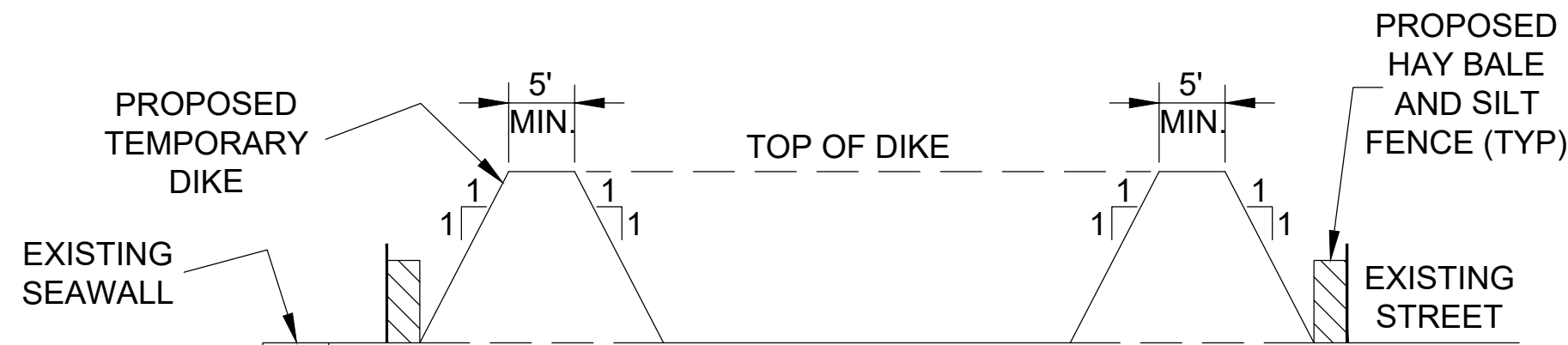
CLIENT: CHARLOTTE COUNTY TITLE: BUENA VISTA WATERWAY DREDGING PLAN VIEW		DATE: 10/19/2023 DRAWN: VVA CHECKED: MTP SEC: TWP ACAD NO: 21120-BuenaVista-C.dwg REF. NO: 21,120	SCALE: AS NOTED VVA F.B. MTP PG. RING.
COASTAL & MARINE ENGINEERING ENVIRONMENTAL & GEOLOGICAL SERVICES SURVEY AND MAPPING ENGINEERING, CA 2464 SURVEYING, LB 2464	PHONE: (239)643-2324 FAX: (239)643-1143 www.coastal-engineering.com E-Mail: info@cecfla.com	SHEET 7 FILE NO.: 21120-BV-C-7	REVISION DESCRIPTION NO. DATE BY

EDGEWATER DR

OFFLOAD SITE AND
TEMPORARY
DISPOSAL AREA
APPROX. 25,000 SF

LISTER ST

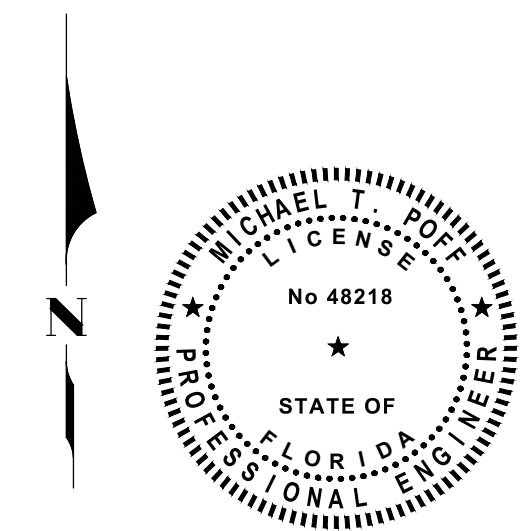
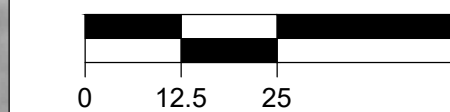
25'



MHW=+0.06 FT NAVD88

MLW=-1.2 FT NAVD88

OFFLOAD SITE DETAIL A-A'
N.T.S.

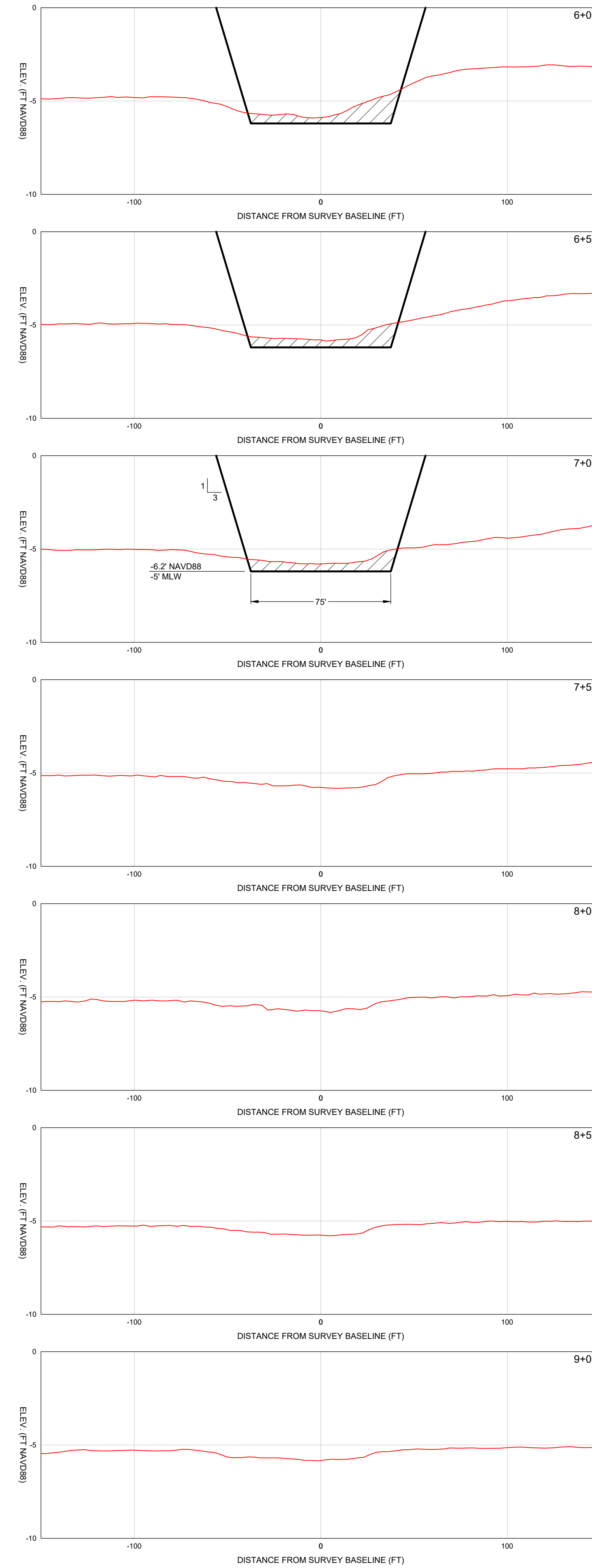
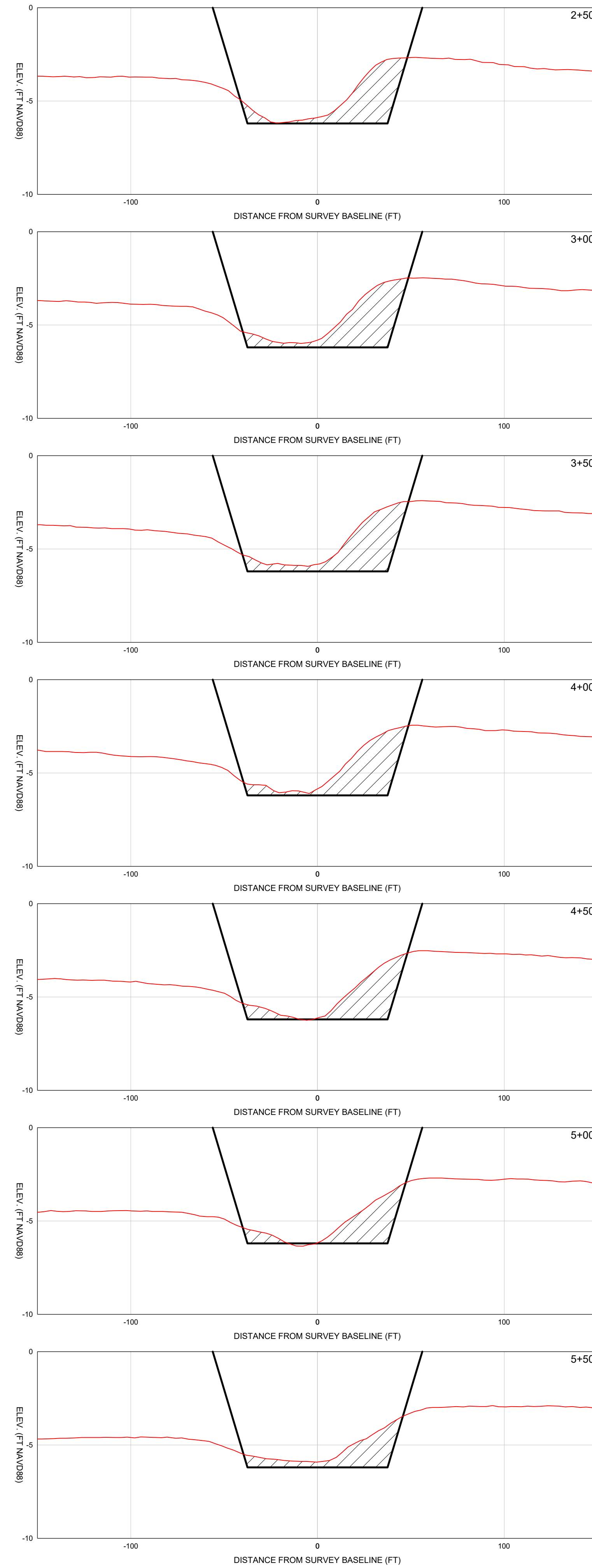
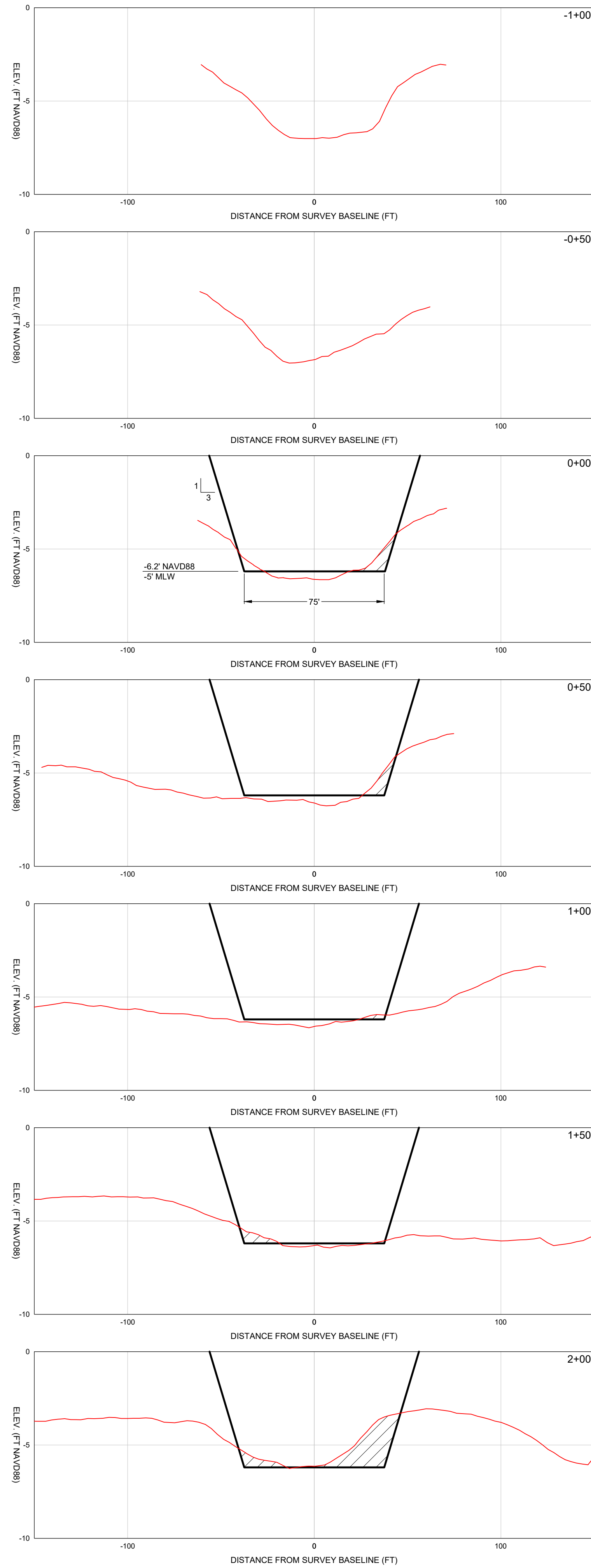


CLIENT: CHARLOTTE COUNTY TITLE: BUENA VISTA WATERWAY DREDGING OFFLOAD SITE AND TEMPORARY DISPOSAL AREA PLAN VIEW		DATE: 10/19/2023 DRAWN: VVA CHECKED: MTP SEC. TWP. RING. ACAD NO. 21120-BuenaVista-C.dwg REF. NO. 21,120	SCALE: AS NOTED VVA F.B. MTP PG. RING.	NO. 21,120 DATE BY	REVISION DESCRIPTION
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COASTAL ENGINEERING CONSULTANTS INC.
 Serving Coastal Communities Since 1977
 28421 BONITA CROSSINGS BLVD.
 BONITA SPRINGS, FLORIDA 34135
 PHONE: (239)643-2324
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COASTAL & MARINE ENGINEERING
 ENVIRONMENTAL & GEOLOGICAL SERVICES
 SURVEY AND MAPPING
 ENGINEERING: CA 2464
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LEGEND
 — 4/24/2023 SURVEY
 ▨ = DREDGE AREA

SCALE
 H: 1" = 40'
 V: 1" = 4'

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CHARLOTTE COUNTY
BUENA VISTA WATERWAY DREDGING
DREDGE CROSS SECTIONS:
GARDNER -1+00 TO 9+00

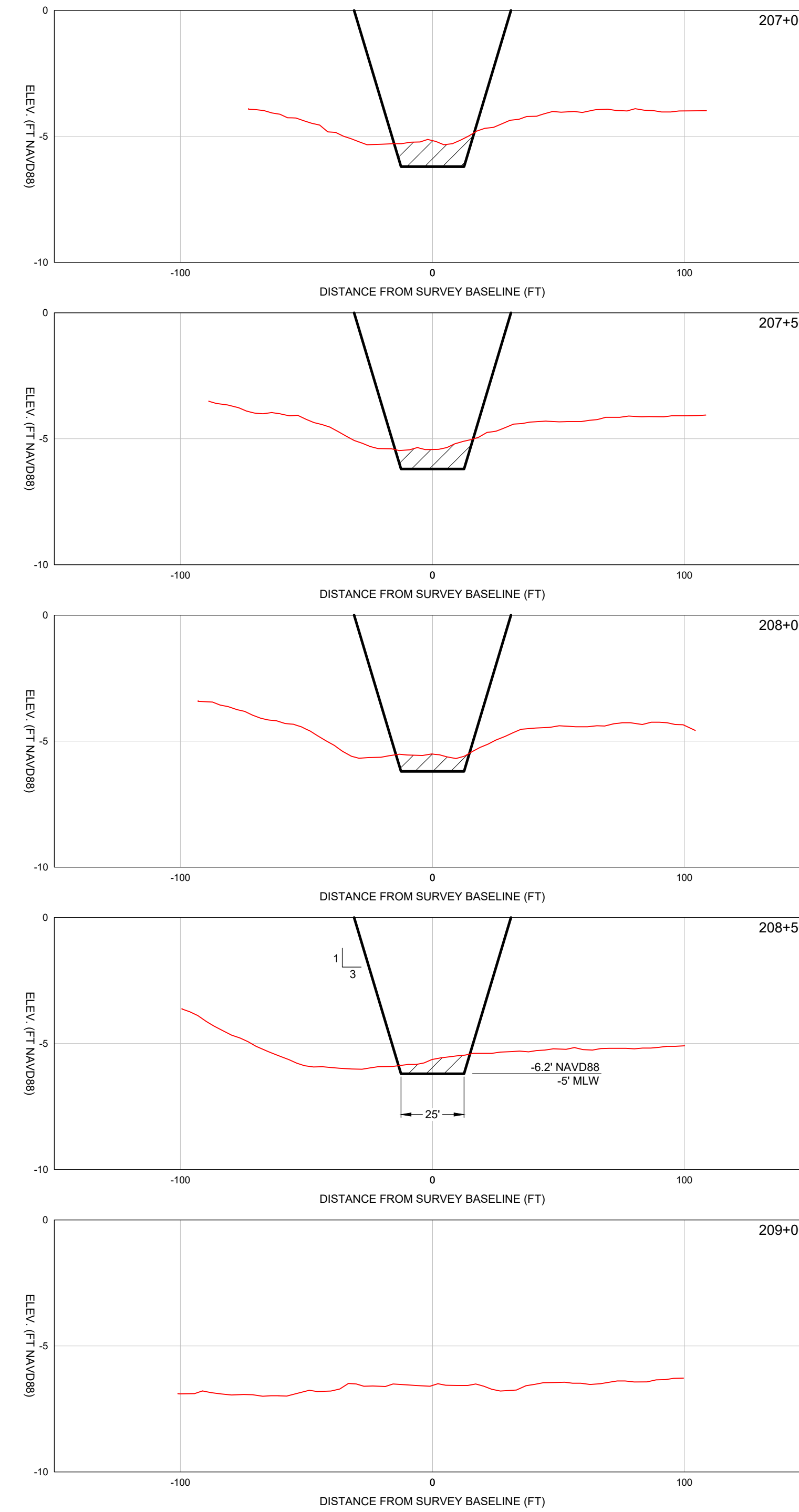
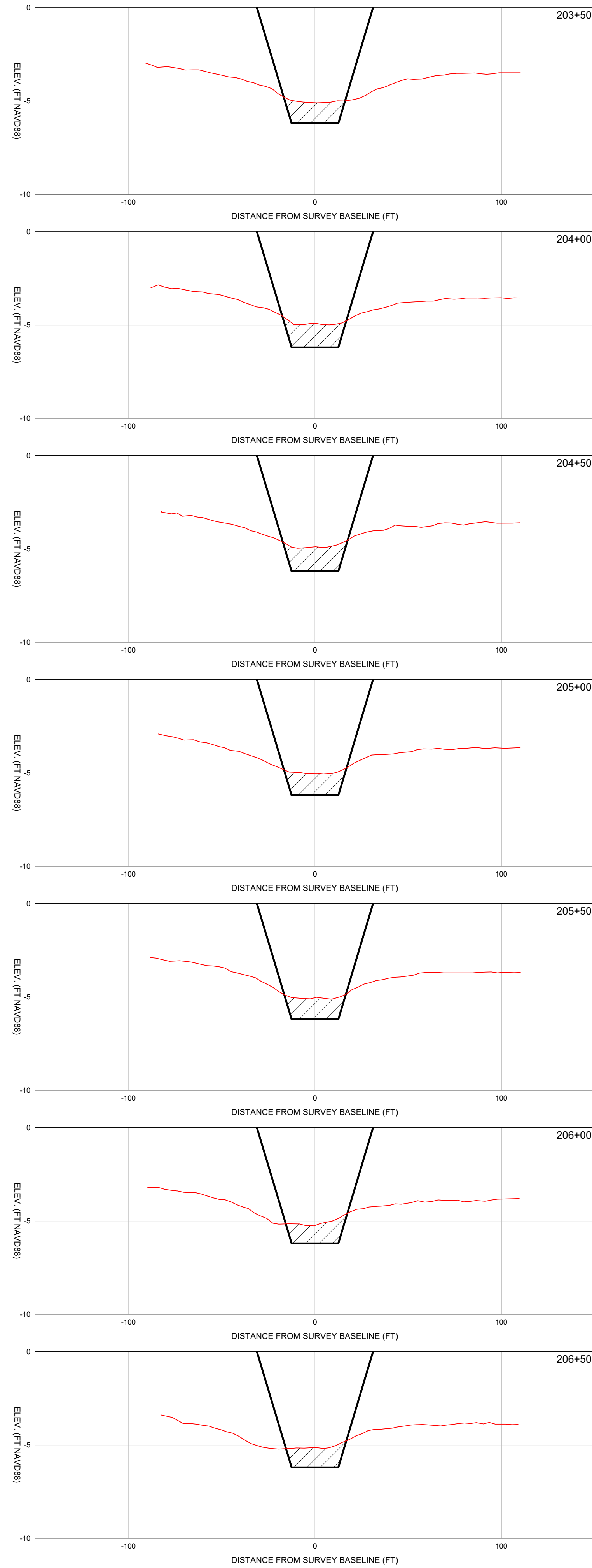
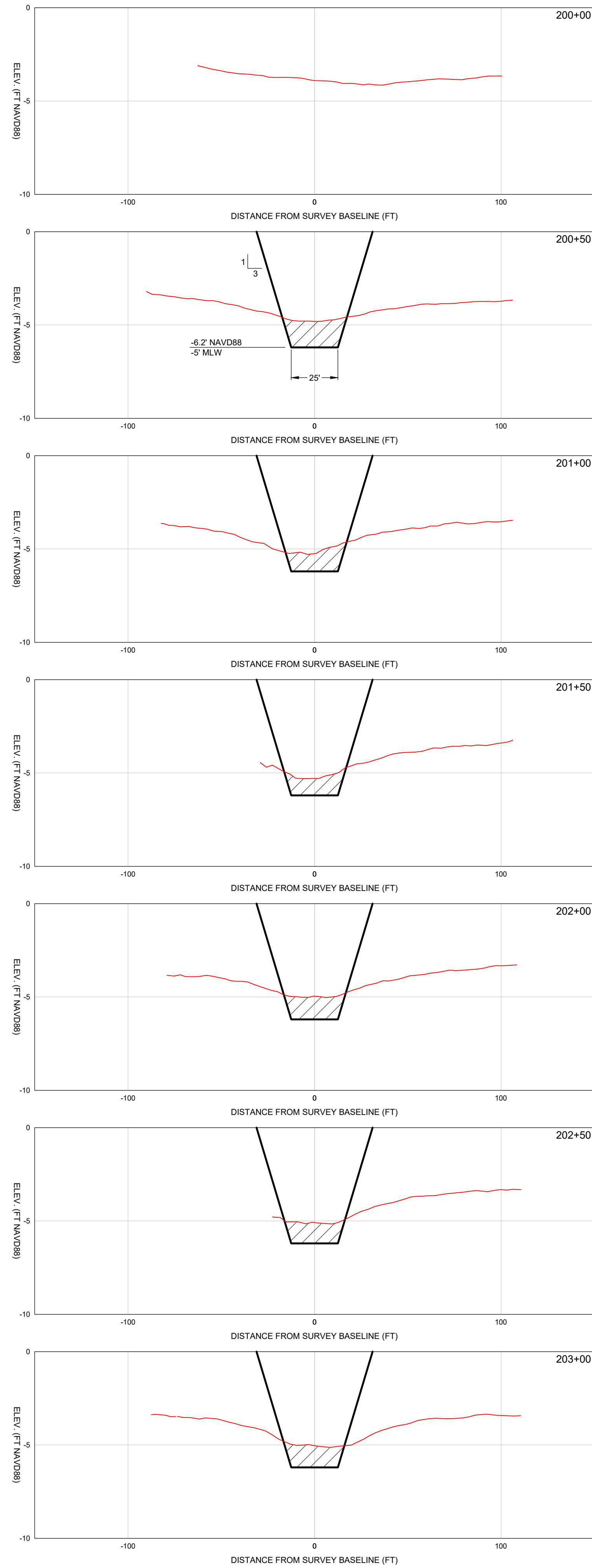
DATE: 10/19/2023 SCALE: AS NOTED
 DRAWN: VVA F.B.
 CHECKED: MTP PG.
 SEC: TWP: RNG.
 ACAD NO. 21120-BuenaVista-C.dwg
 REF. NO. 21,120 NO. DATE BY REVISION DESCRIPTION

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PROFESSIONAL ENGINEER
 MICHAEL T. JOHNSON
 LICENSE No. 48218
 STATE OF FLORIDA

SHEET 9
 FILE NO.: 21120-BV-C-9

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LEGEND
 — 4/24/2023 SURVEY
 ▨ = DREDGE AREA

SCALE
 H: 1" = 40'
 V: 1" = 4'

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CHARLOTTE COUNTY
BUENA VISTA WATERWAY DREDGING
DREDGE CROSS SECTIONS:
GEORGE RD 200+00 TO 209+00

DATE: 10/19/2023 **SCALE:** AS NOTED
DRAWN: VVA/F.B. **CHECKED:** MTP/P.G.
SEC: TWP. **RNG:**
ACAD NO.: 21120-BuenaVista-C.dwg
REF. NO.: 21,120

NO.	DATE	BY	REVISION DESCRIPTION

CLIENT: CHARLOTTE COUNTY
TITLE: BUENA VISTA WATERWAY DREDGING DREDGE CROSS SECTIONS: GEORGE RD 200+00 TO 209+00

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