

SUNRISE WATERWAY MAINTENANCE DREDGING CONSTRUCTION PLAN SET

PREPARED FOR:
CHARLOTTE COUNTY

SHEET INDEX

- COVER SHEET
- SUNRISE WATERWAY DREDGING AND DISPOSAL SITE FILL PLAN VIEW
- SUNRISE DREDGE CROSS SECTIONS: -2+00 TO 14+00
- SUNRISE DREDGE CROSS SECTIONS: 14+50 TO 16+50
- SUNRISE DISPOSAL SITE PROFILES: 2+75 TO 7+00
- SUNRISE DISPOSAL SITE PROFILES: 7+50 TO 9+00 AND 11+00 TO 13+00
- SUNRISE DISPOSAL SITE PROFILES: 13+50 TO 18+00

NOTES

- BATHYMETRIC SURVEY OF SUNRISE WATERWAY COMPLETED BY COASTAL ENGINEERING CONSULTANTS, INC. (CEC), ON 3/6/2025.
- TOPOGRAPHIC SURVEY OF PORT CHARLOTTE BEACH COMPLETED BY CEC ON 3/6/2025.
- CHANNEL MARKERS AND SIGNS WERE LOCATED BY CEC ON 3/6/2025.
- 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).
- 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.
- TIDAL REDUCTIONS WERE OBTAINED UTILIZING REAL-TIME KINEMATIC GPS AND REFERENCED TO NAVD88.
- 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.
- INFORMATION SHOWN HEREON REFLECTS CONDITIONS AS THEY EXISTED ON THE SURVEY DATE SHOWN AND CAN ONLY BE CONSIDERED INDICATIVE OF CONDITIONS AT THAT TIME.
- POST-MILTON AERIAL PHOTOGRAPHY OBTAINED FROM NOAA, DATED OCTOBER 2024.
- 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.
- CONTRACTOR SHALL NOT DISTURB AREAS BEYOND DESIGNATED WORK AREA.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE PREVENTION AND CONTROL OF ANY EROSION, SEDIMENTATION OR SURFACE WATER TURBIDITY CAUSED BY HIS ACTIVITY.
- 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.
- CONTRACTOR IS REQUIRED TO OBTAIN FROM THE ENGINEER AND OWNER WRITTEN APPROVAL FOR ANY DEVIATION IN PLANS AND/OR SPECIFICATIONS.

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.

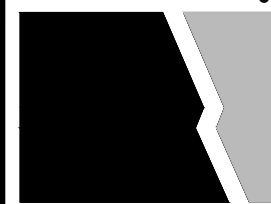
MEAN HIGH WATER (MHW)	= +0.06 FT NAVD88
MEAN TIDE LEVEL (MTL)	= -0.57 FT NAVD88
MEAN LOW WATER (MLW)	= -1.20 FT NAVD88
MEAN LOWER LOW WATER (MLLW)	= -1.65 FT NAVD88



LOCATION MAP

SCALE: 1" = 800'

**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
FAX: (239)643-1143
www.coastaleng.com
E-Mail: info@cecill.com

CLIENT: CHARLOTTE COUNTY

TITLE:

SUNRISE WATERWAY MAINTENANCE DREDGING
COVER SHEET

DATE: 5/20/2025

SCALE: F.B.

DRAWN: SDB

CHECKED: MTP PG.

SEC. TWP. RING.

ACAD NO. 25120-Sunrise_POBC-C.dwg

REF. NO. 25.120

AS NOTED

NO. 1

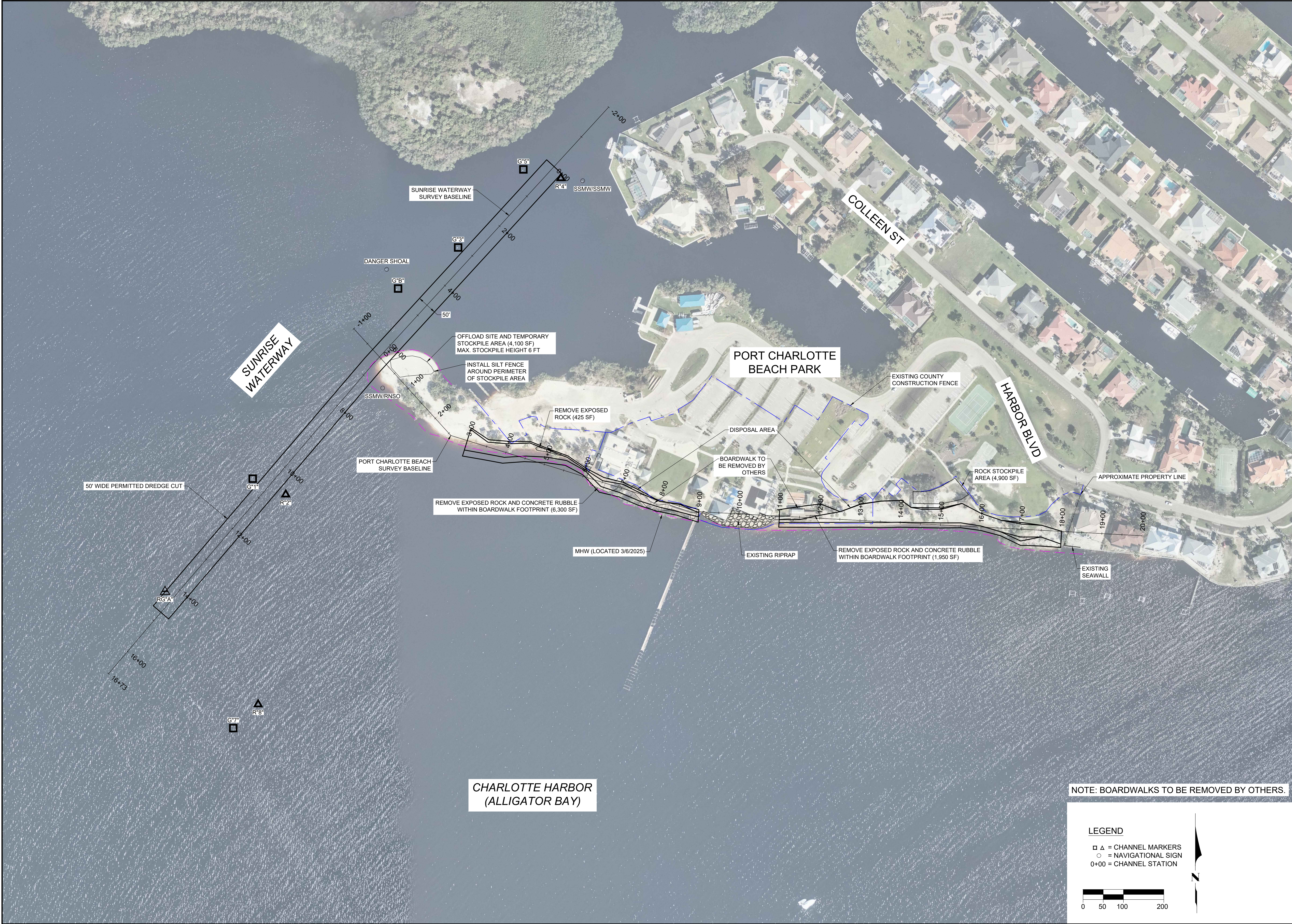
DATE 6/27/2025

BY GVT

REVISION DESCRIPTION

UPDATE ROCK STOCKPILE LOCATION

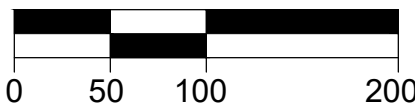
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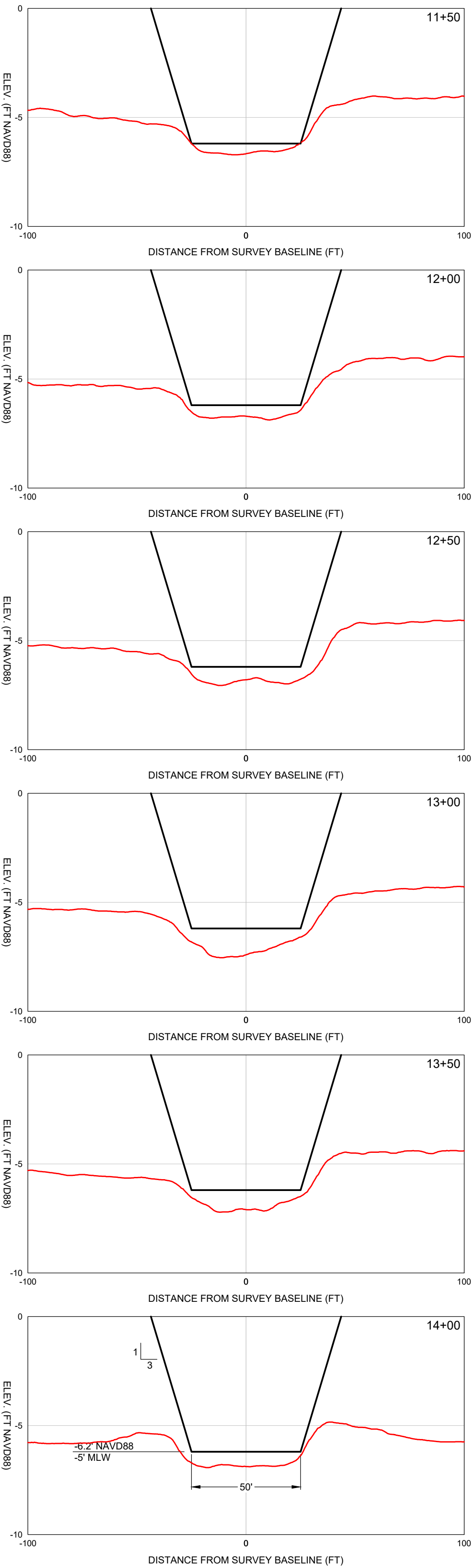
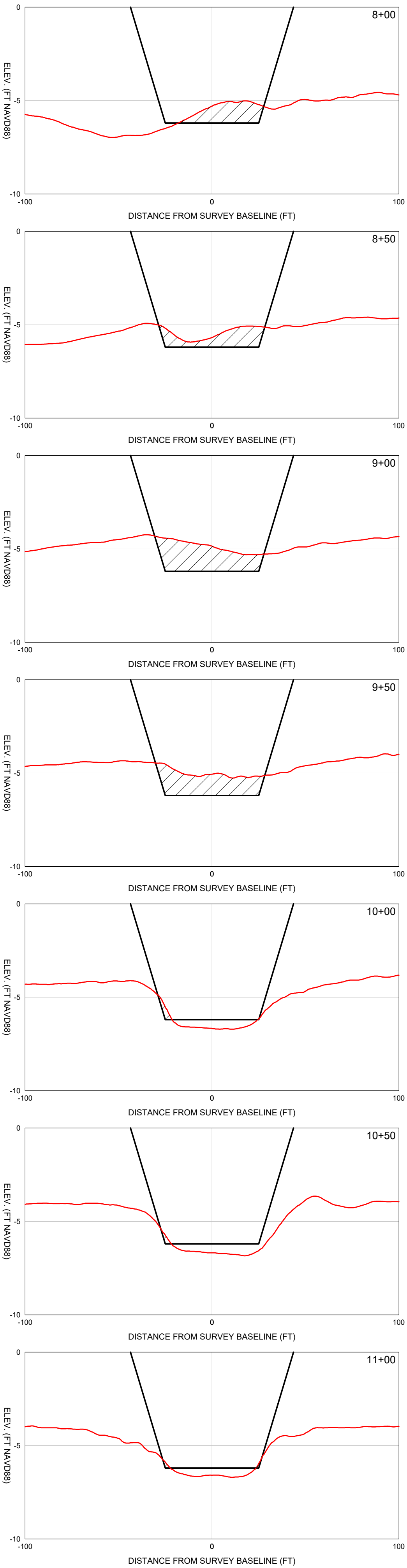
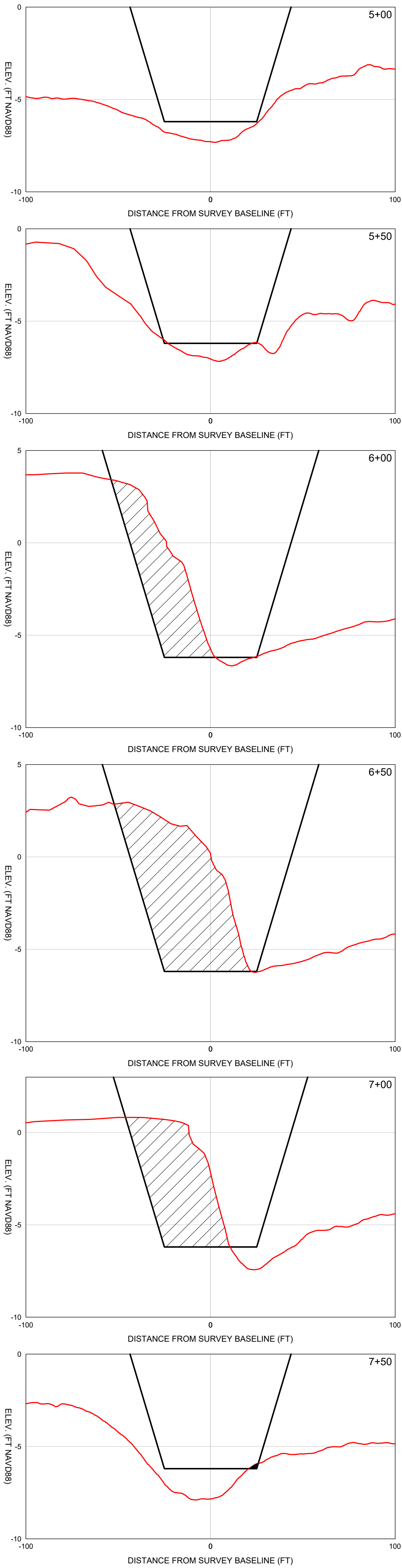
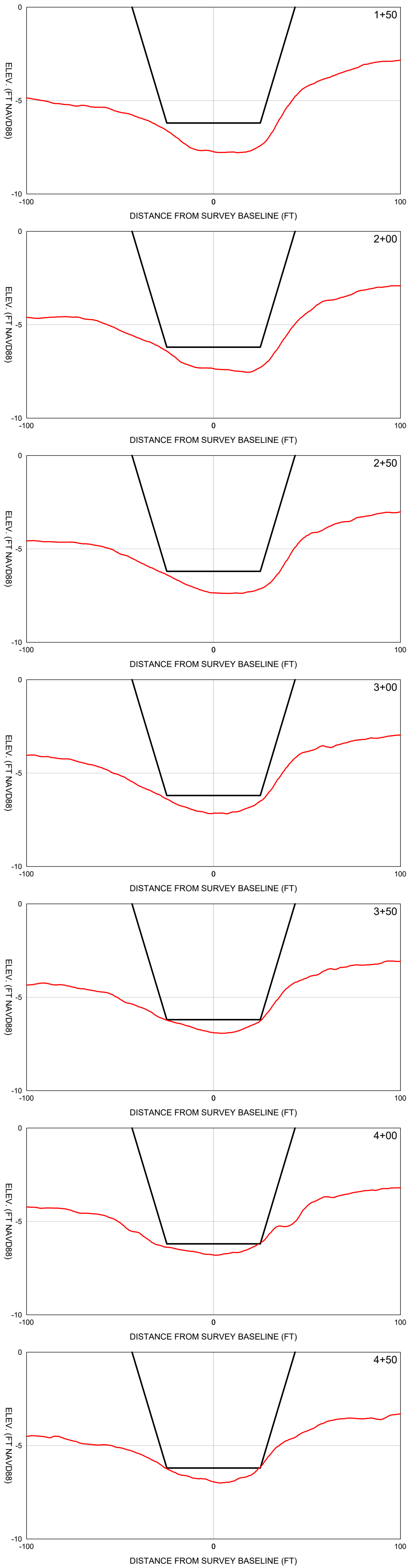
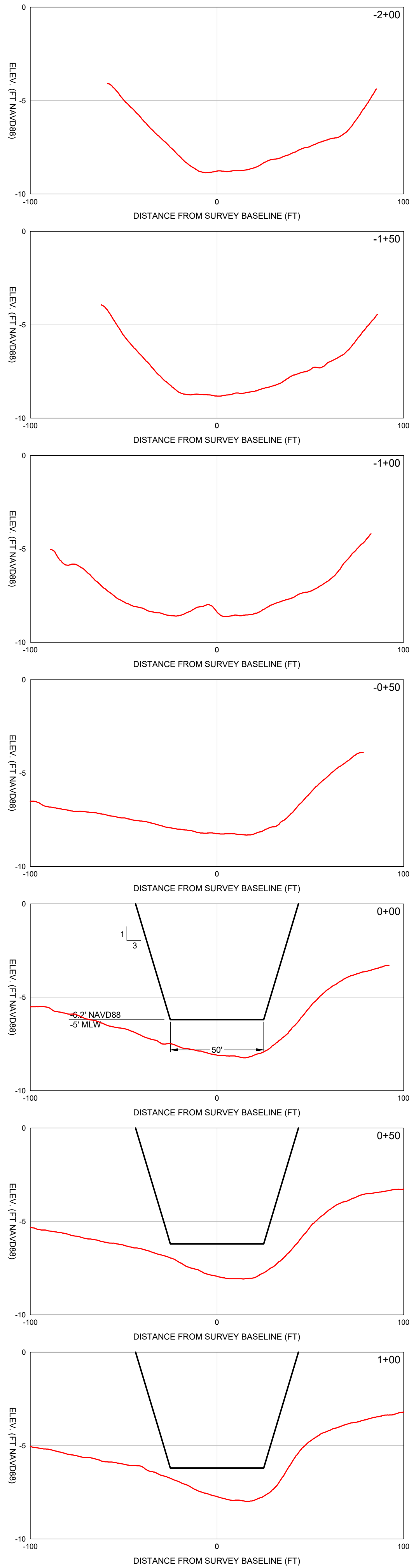
NOTE: BOARDWALKS TO BE REMOVED BY OTHERS.

LEGEND

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



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@cecil.com	CLIENT: CHARLOTTE COUNTY		DATE: 5/20/2025	SCALE: AS NOTED	THIS DOCUMENT AND THE CONCEPTS AND DESIGN PRESENTED HEREIN ARE THE PROPERTY OF COASTAL & MARINE ENGINEERING. NO PART OF THIS DOCUMENT OR THE CONCEPTS AND DESIGN PRESENTED HEREIN MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT THE WRITTEN PERMISSION OF COASTAL & MARINE ENGINEERING.
	TITLE: SUNRISE WATERWAY MAINTENANCE DREDGING PLAN VIEW		DRAWN: SDB	F.B.	NO. 25,120
			CHECKED: MTP	PG.	
			SEC. TWP. RING.		
COASTAL ENGINEERING CONSULTANTS INC. Serving Coastal Communities Since 1977 28421 BONITA CROSSINGS BLVD. BONITA SPRINGS, FLORIDA 34135	ACAD NO. 25120-Sunrise_POBC-C.dwg	GVT	DATE 6/27/2025	BY	UPDATE ROCK STOCKPILE LOCATION
	REF. NO.	NO.	DATE	BY	REVISION DESCRIPTION
		1	6/27/2025		



LEGEND

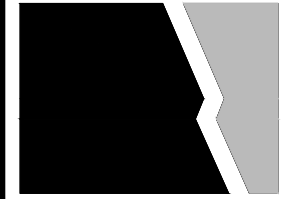
 = DREDGE AREA

 = 3/6/2025 SURVEY

SCALE

H: 1" = 40'

V: 1" = 4'



**COASTAL
ENGINEERING
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INC.**

Serving Coastal Communities Since 1977

28421 BONITA CROSSINGS BLVD.
BONITA SPRINGS, FLORIDA 34135

CLIENT: CHARLOTTE COUNTY

TITLE: SUNRISE WATERWAY MAINTENANCE DREDGING
DREDGE CROSS SECTIONS:
-2+00 TO 14+00

DATE: 5/20/2025

SCALE: AS NOTED

DRAWN: SDB F.B.

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SEC. TWP. RNG.

ACAD NO. 25120-Sunrise_POBC-C.dwg

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DATE: 6/27/2025

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NO. 1

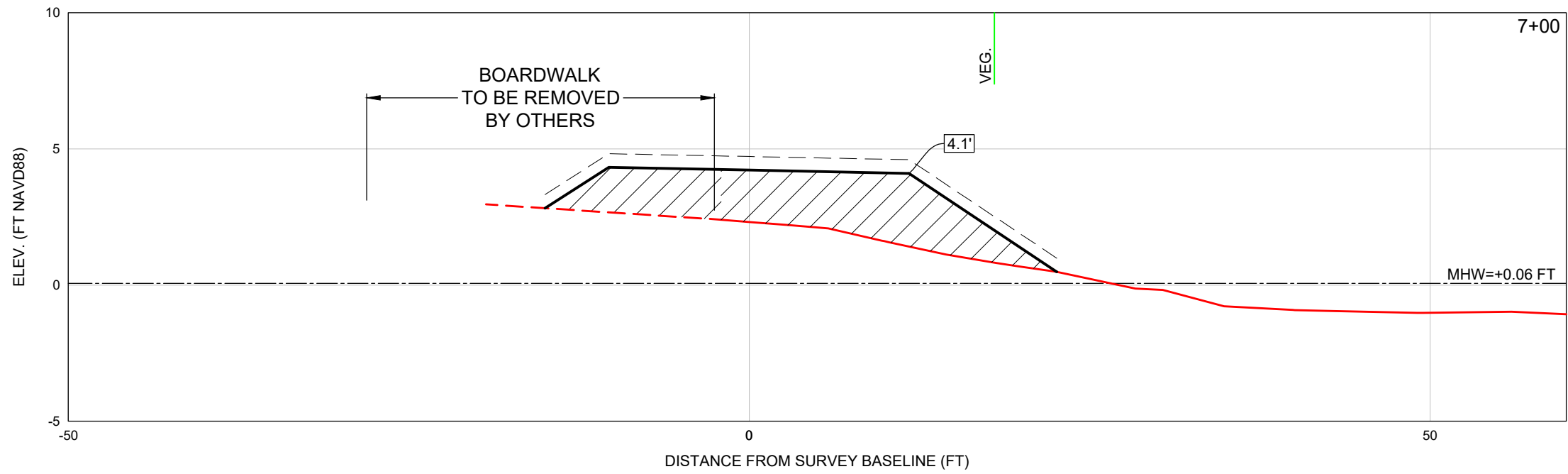
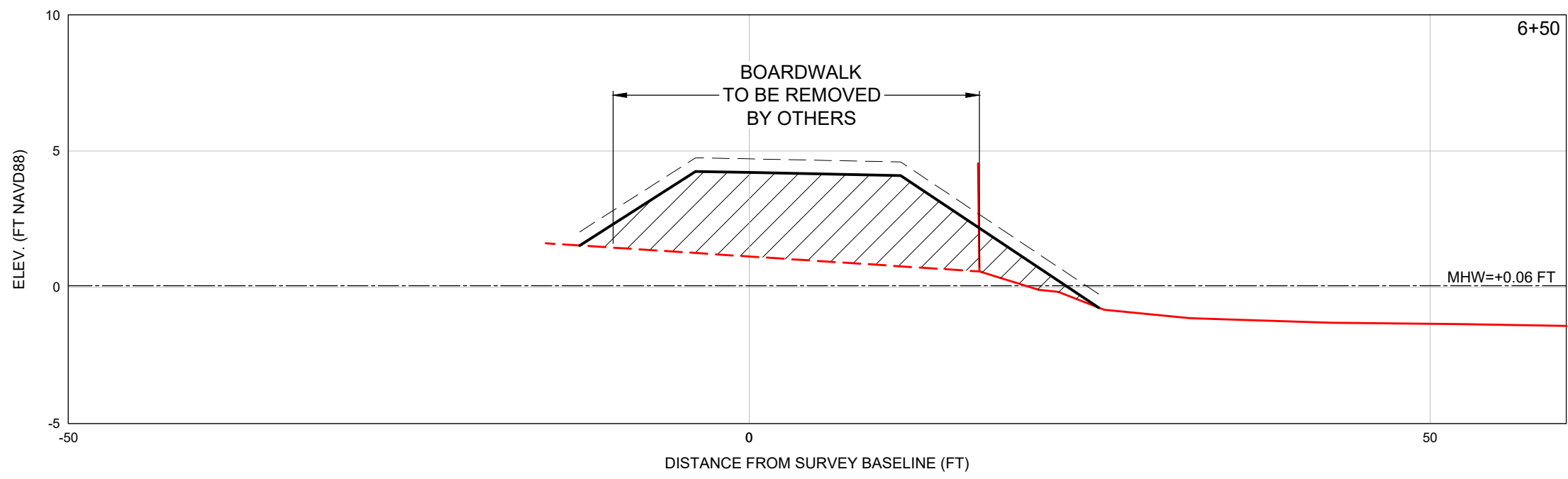
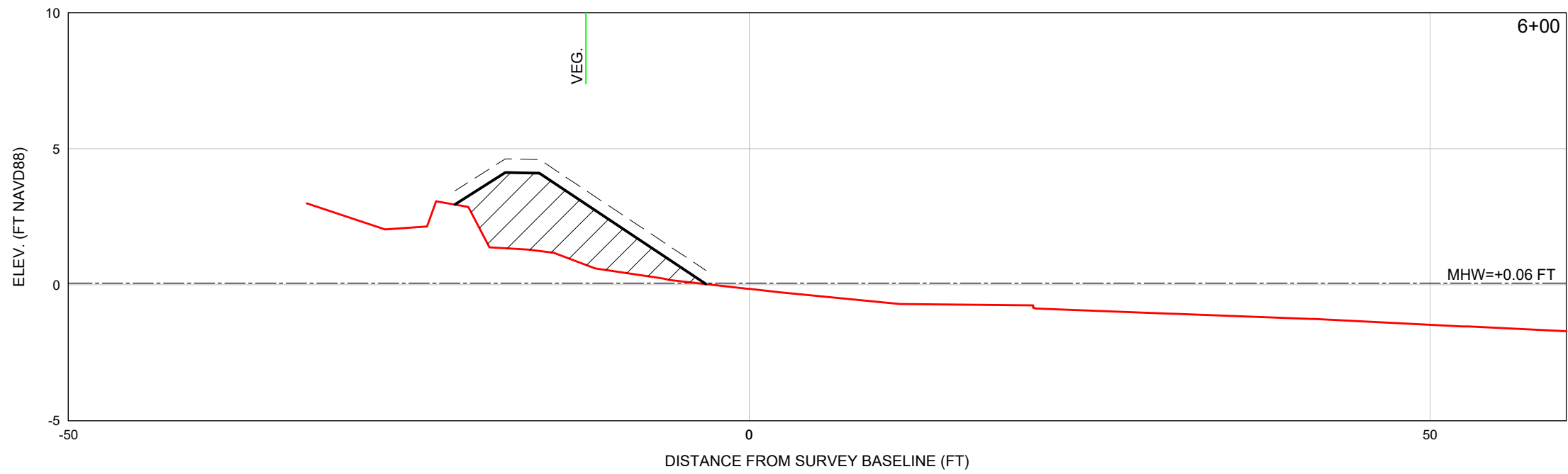
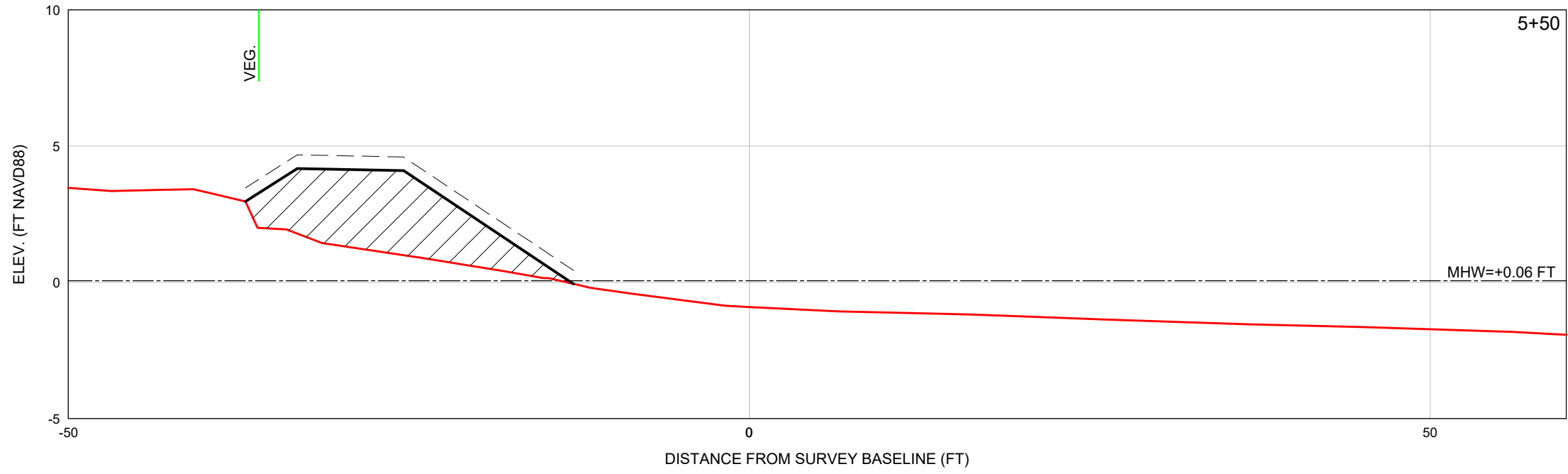
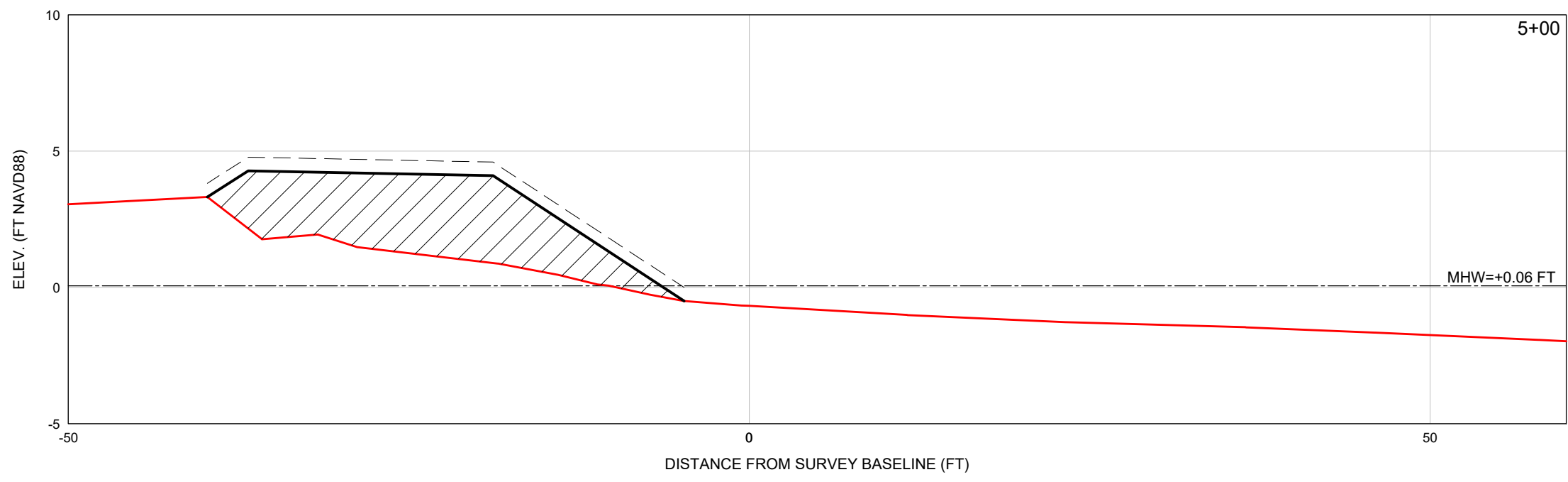
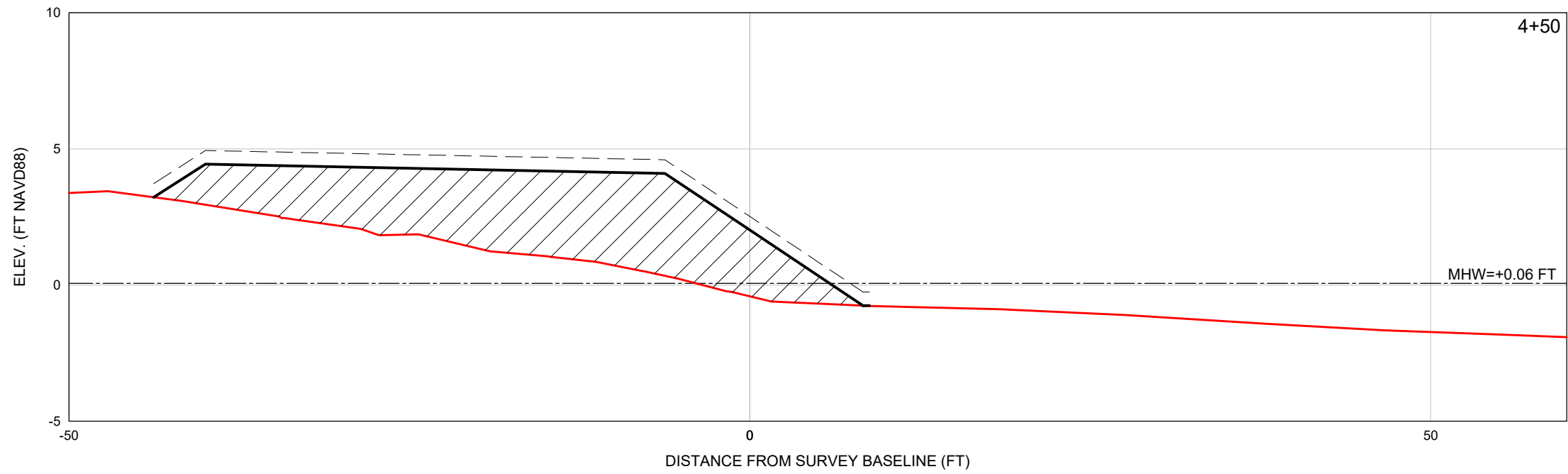
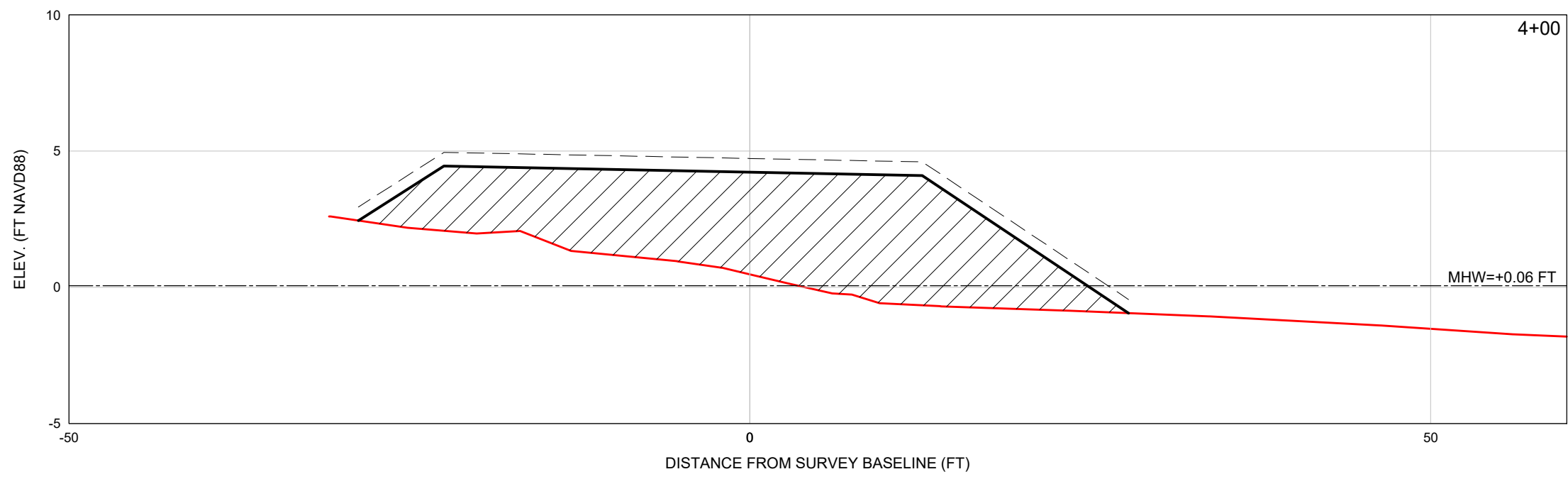
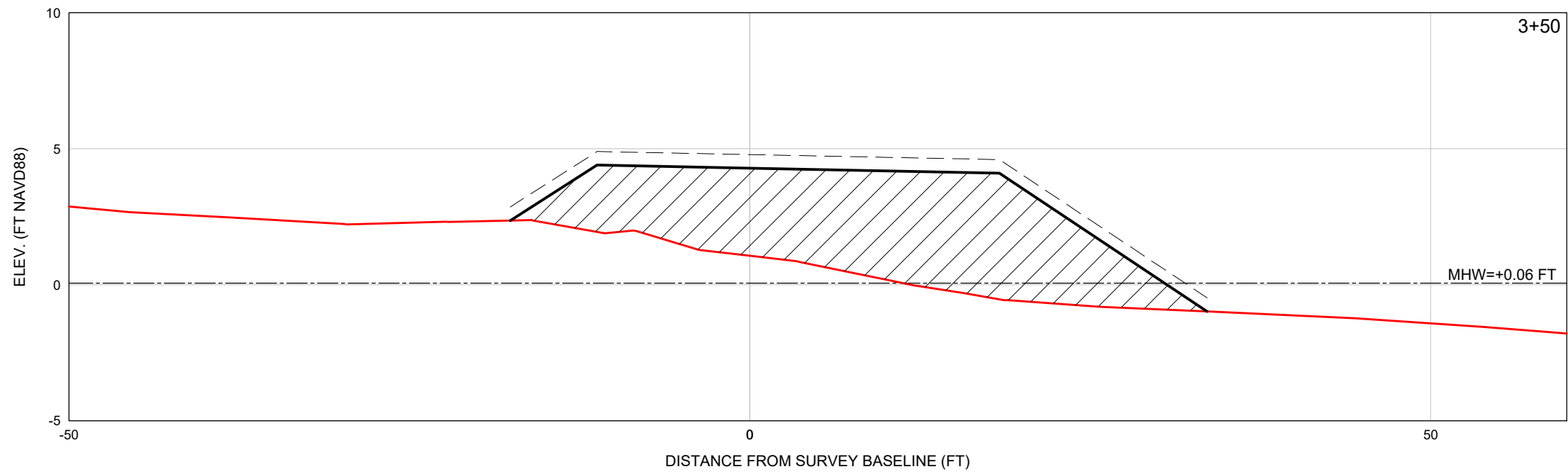
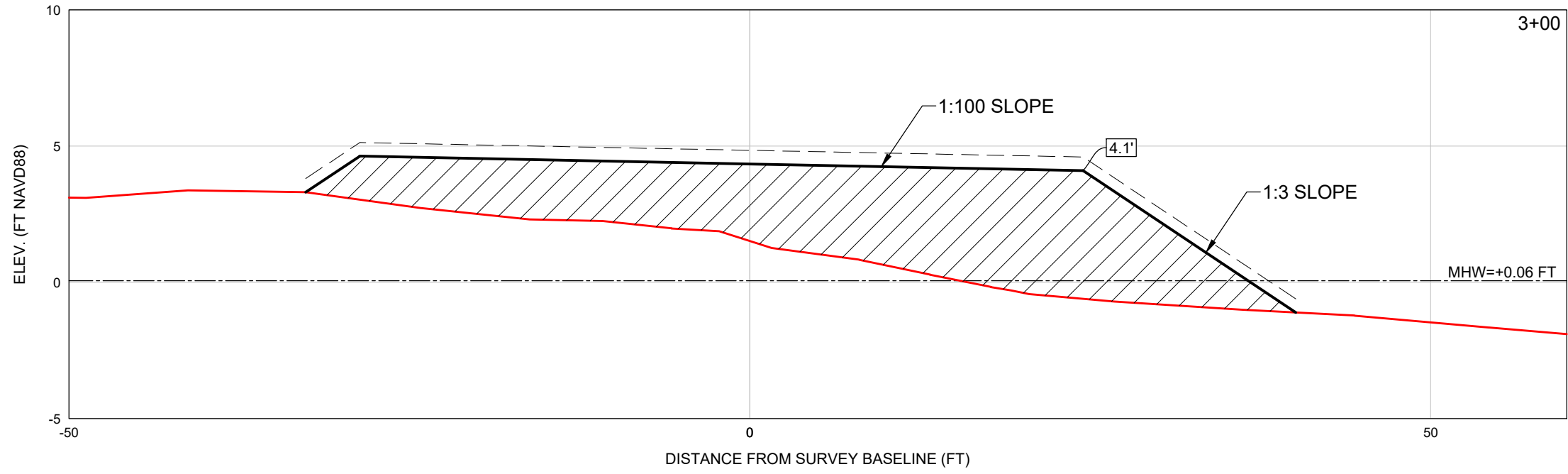
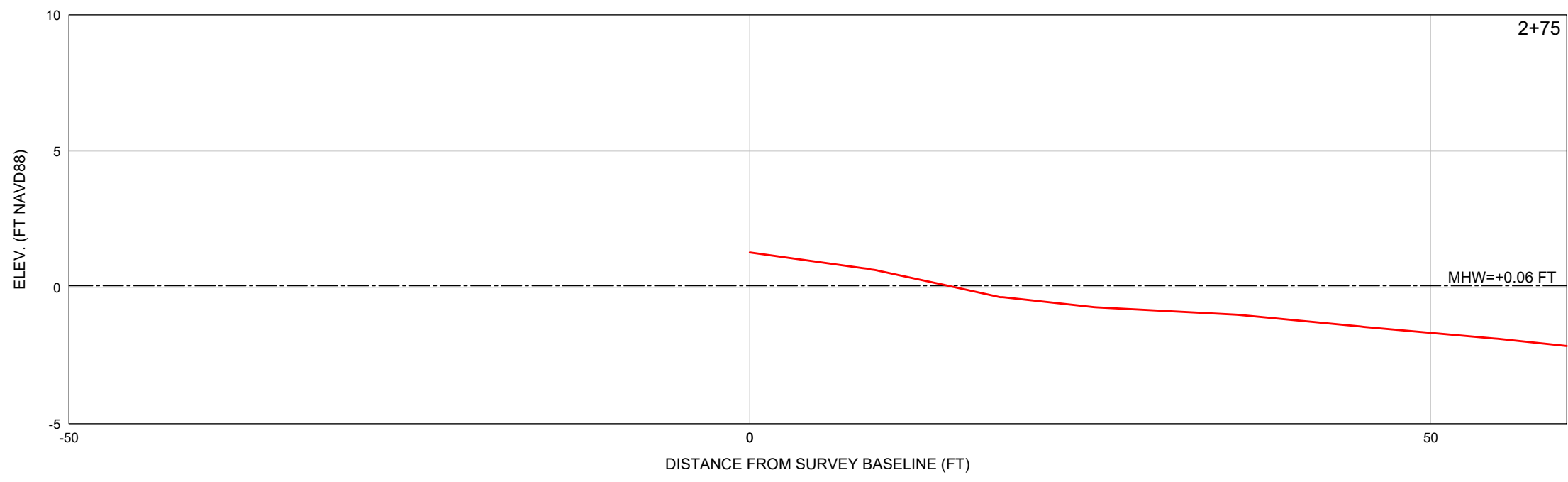
REVISION DESCRIPTION

UPDATE ROCK STOCKPILE LOCATION

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SHEET 3

FILE NO.: 25120-SUN-C-3



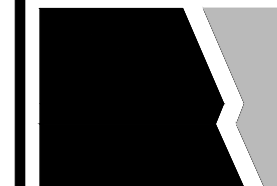
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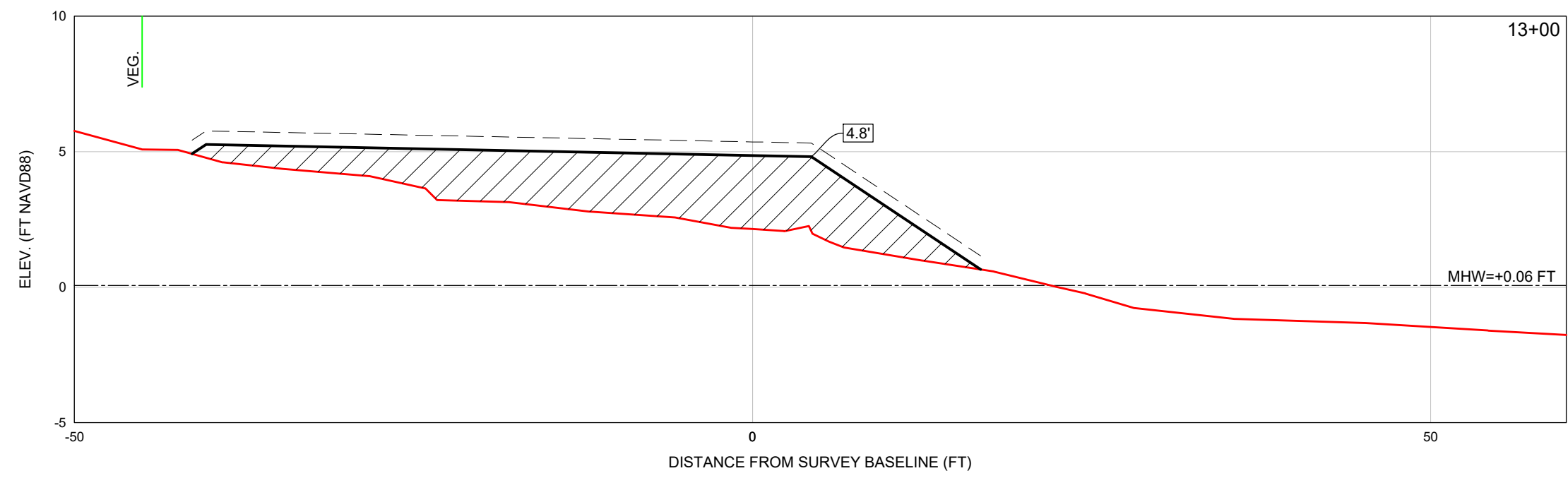
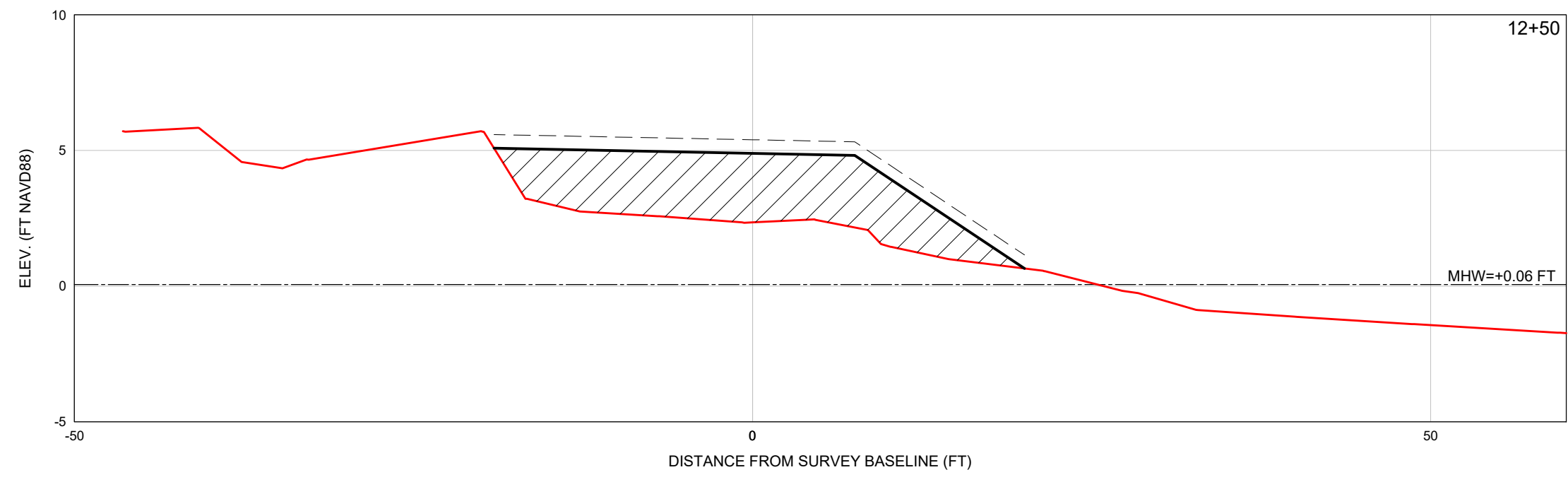
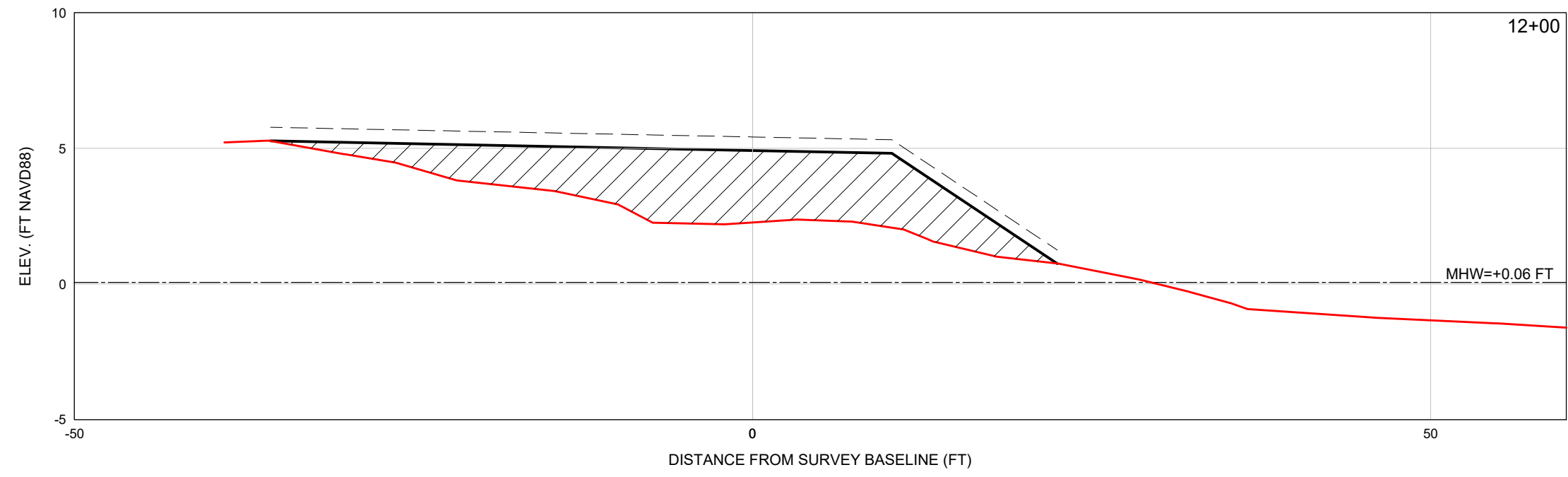
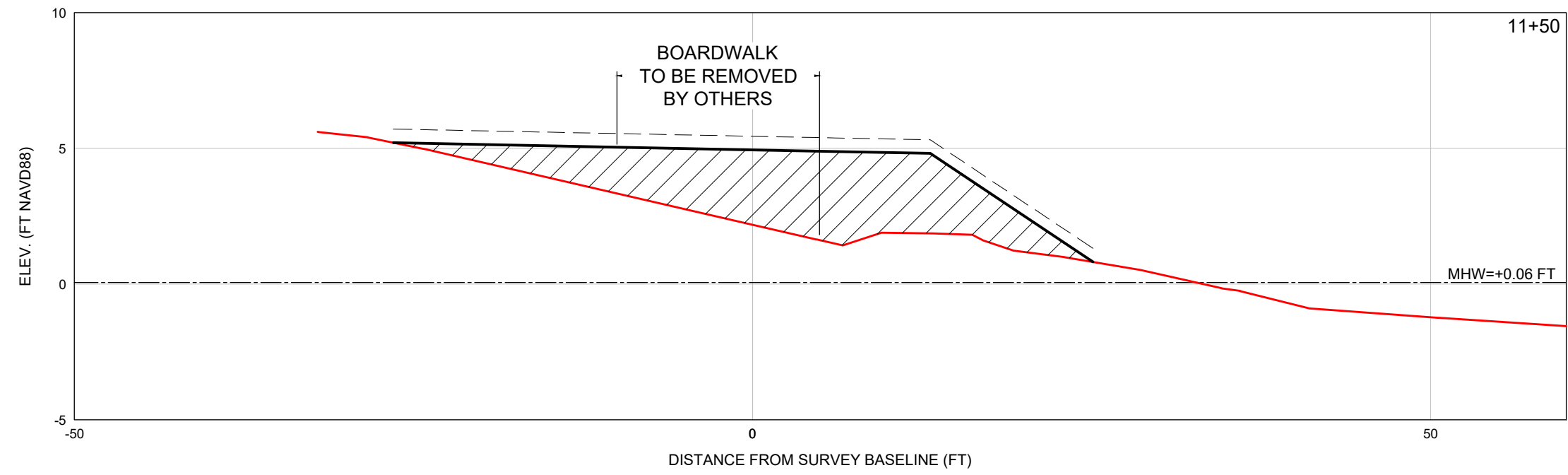
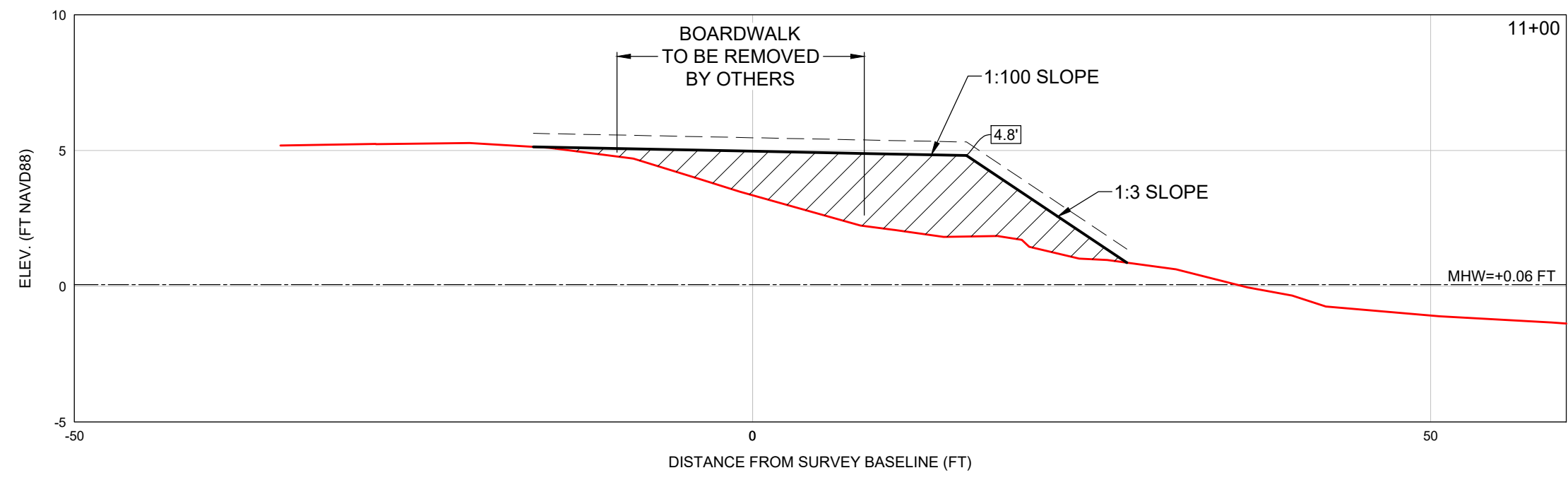
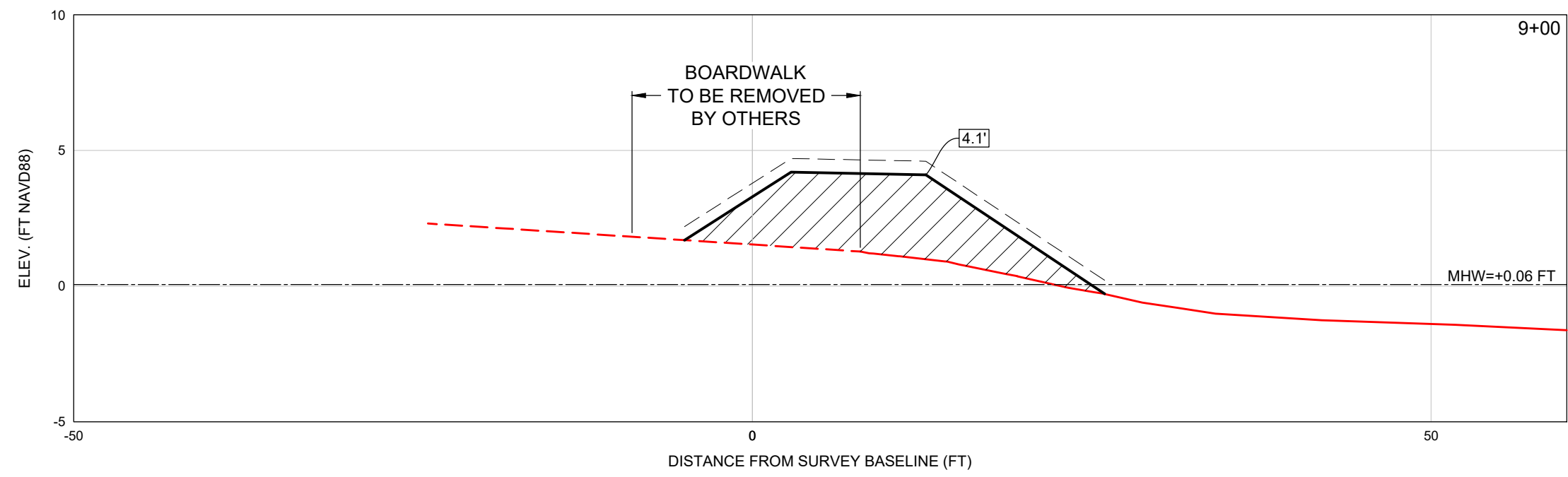
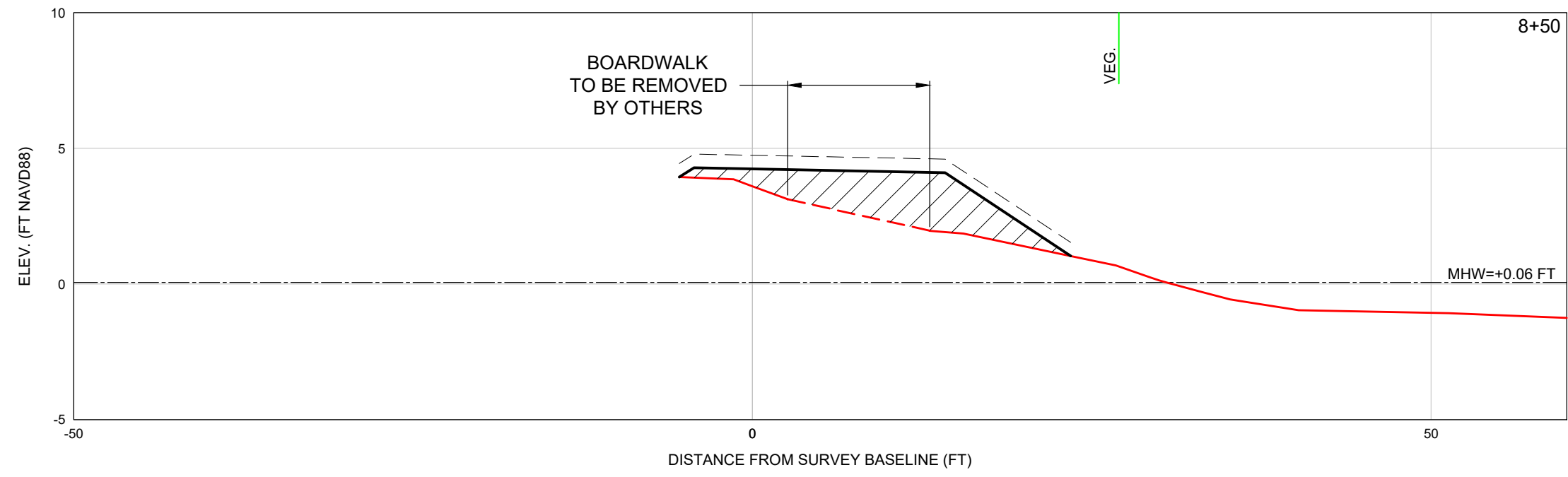
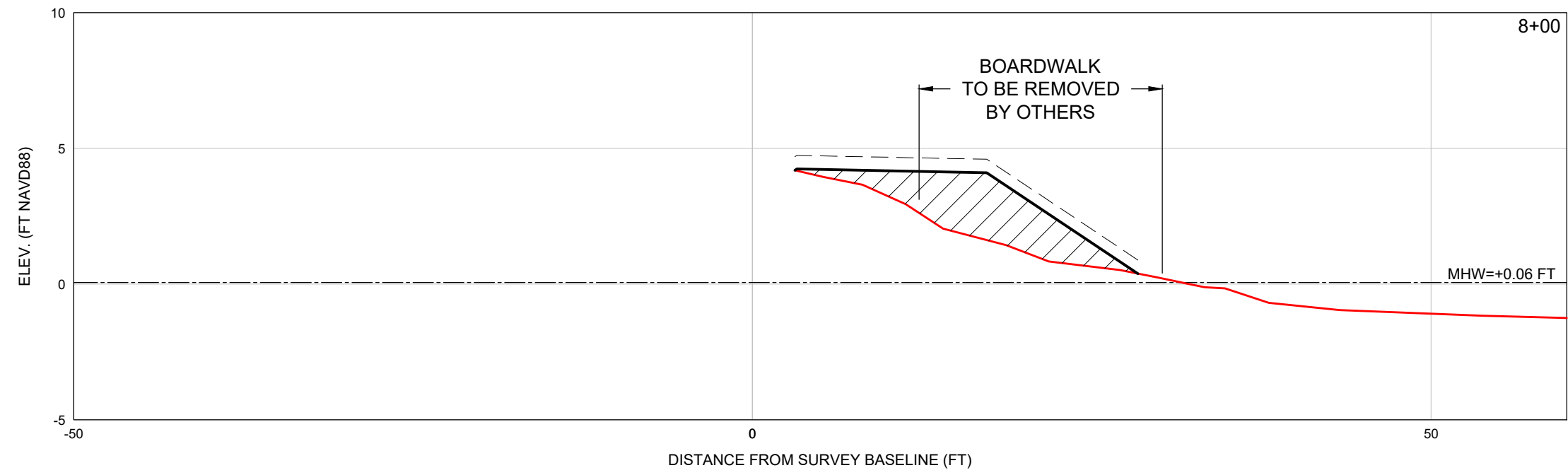
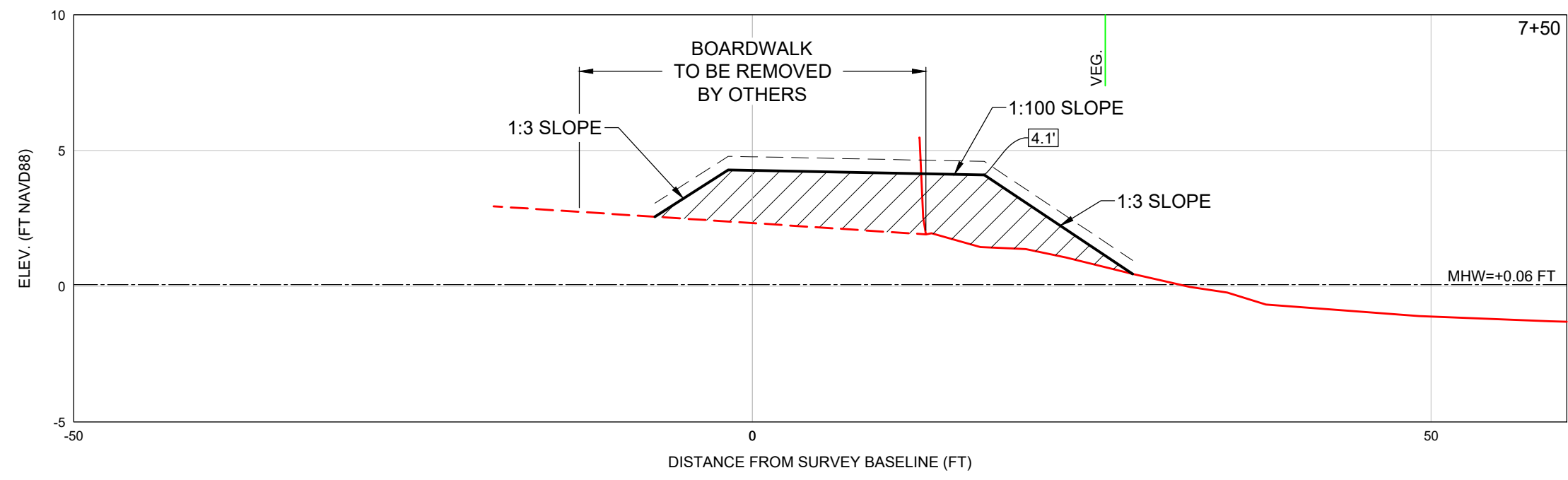
- = BEACH FILL AREA
- = 0.5' BEACH FILL TOLERANCE
- = 3/6/2025 SURVEY
- = VEGETATION LIMITS (3/6/2025)
- = PROPOSED ELEVATION (FT NAVD88)

SCALE

H: 1" = 10'
V: 1" = 5'

- NOTE**
1. CONTRACTOR SHALL HAND PLACE MATERIAL AROUND EXISTING VEGETATION WITHIN FILL AREA.
 2. VEGETATION LIMITS NOTED ARE APPROXIMATE.

 COASTAL ENGINEERING CONSULTANTS INC. Serving Coastal Communities Since 1977 28421 BONITA CROSSINGS BLVD. BONITA SPRINGS, FLORIDA 34135	DATE: 5/20/2025	SCALE: AS NOTED	CLIENT: CHARLOTTE COUNTY				TITLE: SUNRISE WATERWAY MAINTENANCE DREDGING DISPOSAL AREA PROFILES: 2+75 TO 7+00				COASTAL & MARINE ENGINEERING ENVIRONMENTAL & GEOLOGICAL SERVICES SURVEY AND MAPPING ENGINEERING: CA 2464 SURVEYING: LB 2464 PHONE: (239)643-2324 FAX: (239)643-1143 www.coastalengineering.com E-Mail: info@cecil.com			
	DRAWN: SDB	F.B.	DRAWN: SDB				DRAWN: SDB				DRAWN: SDB			
	CHECKED: MTP	PG.	CHECKED: MTP				CHECKED: MTP				CHECKED: MTP			
	SEC. TWP.	RNG.	SEC. TWP.				SEC. TWP.				SEC. TWP.			
ACAD NO. 25120-Sunrise_POBC-C.dwg	GVT 1	6/27/2025	DATE	BY	NO.	25.120	UPDATE ROCK STOCKPILE LOCATION				REVISION DESCRIPTION			



LEGEND

= BEACH FILL AREA
 = 0.5' BEACH FILL TOLERANCE
 = 3/6/2025 SURVEY
 = VEGETATION (3/6/2025)
 = PROPOSED ELEVATION (FT NAVD88)

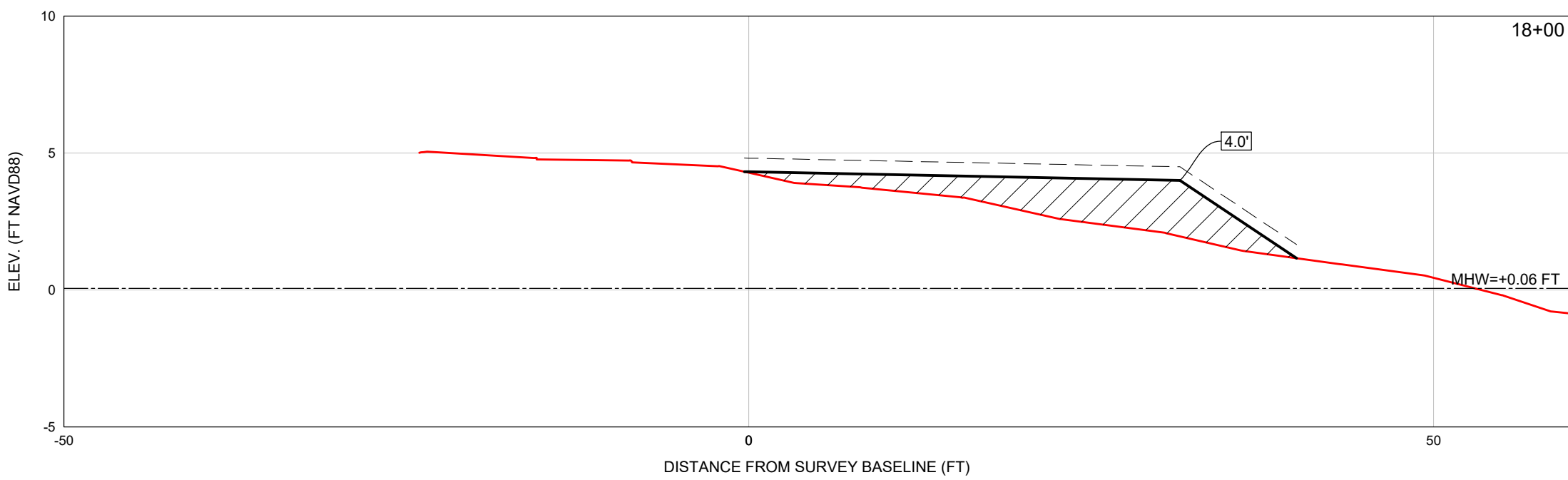
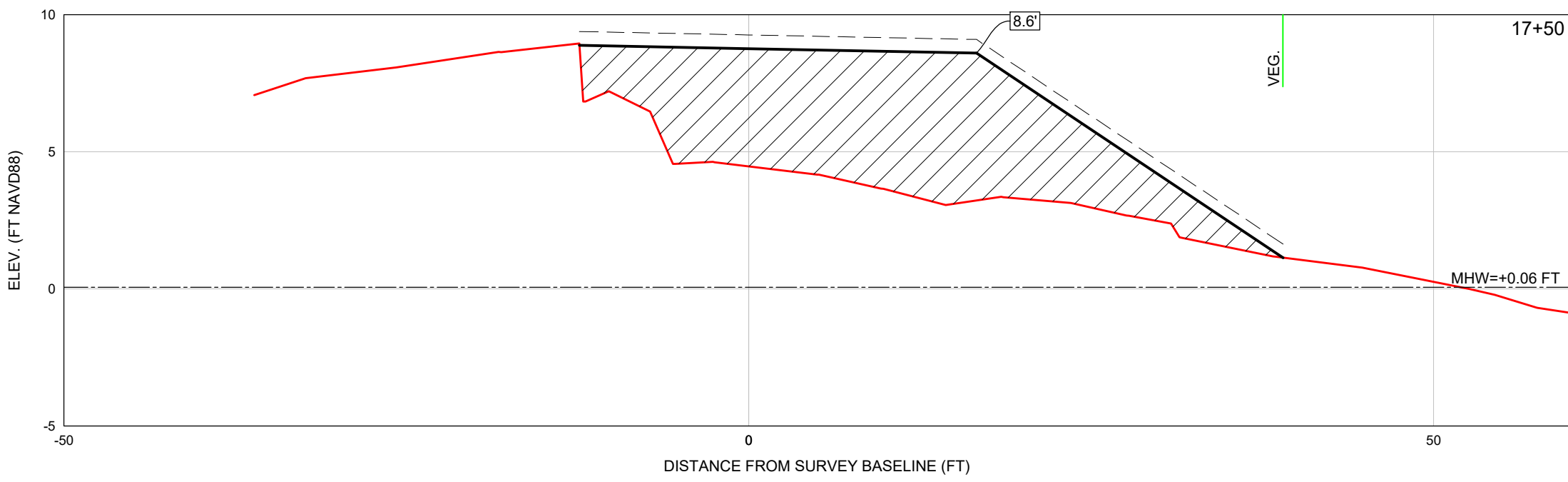
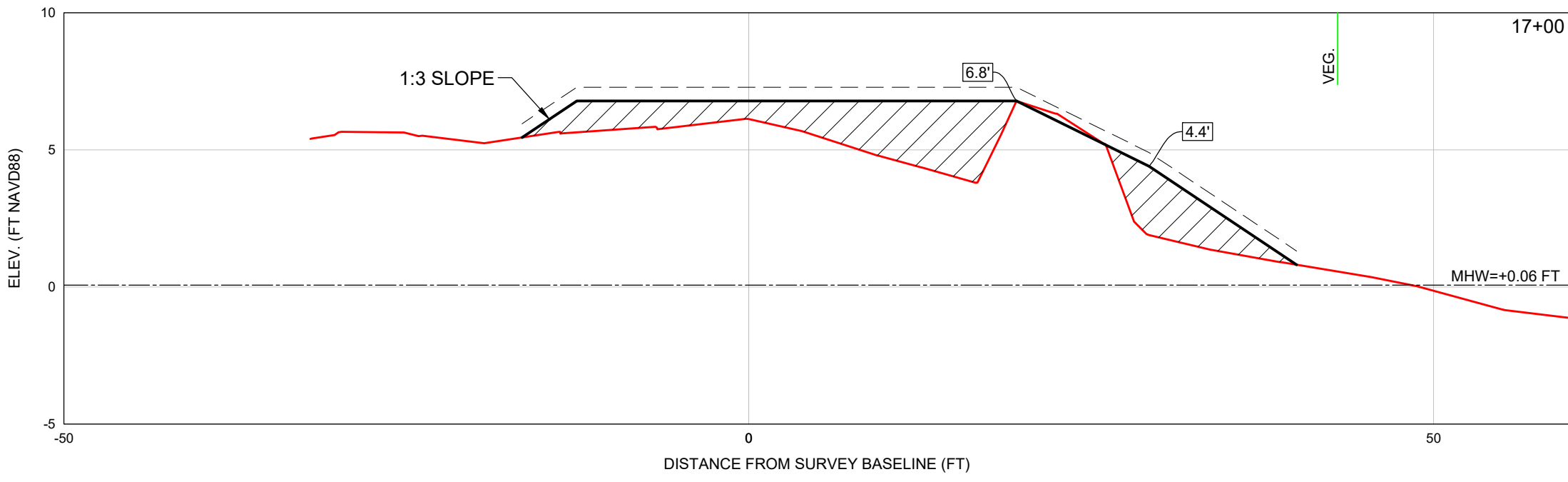
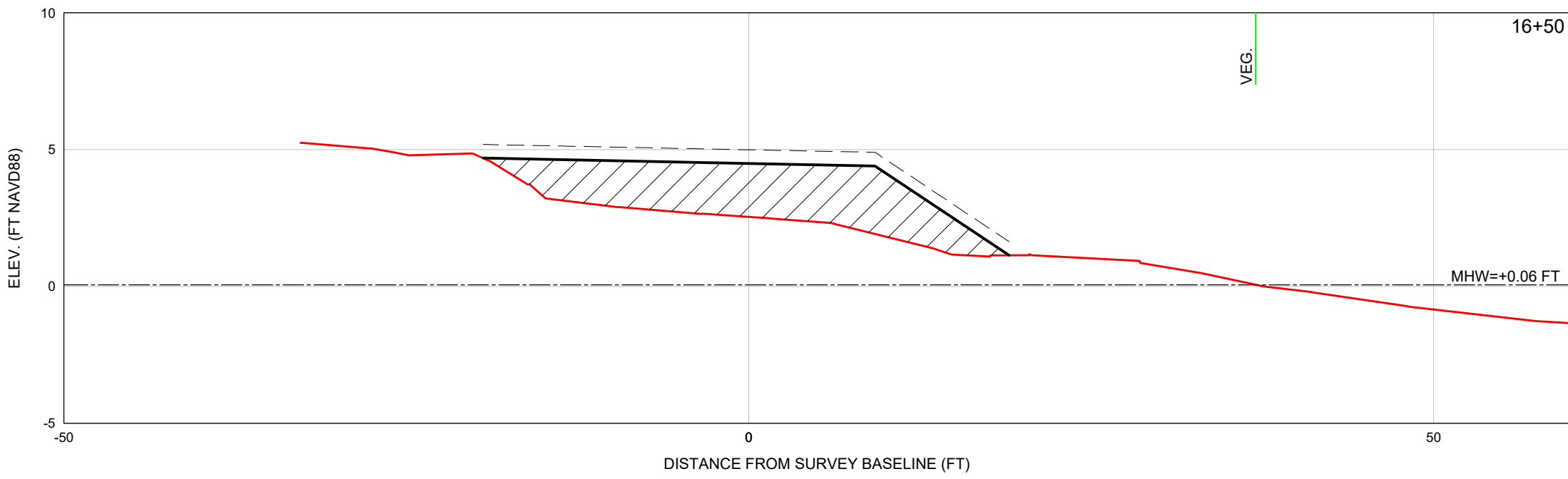
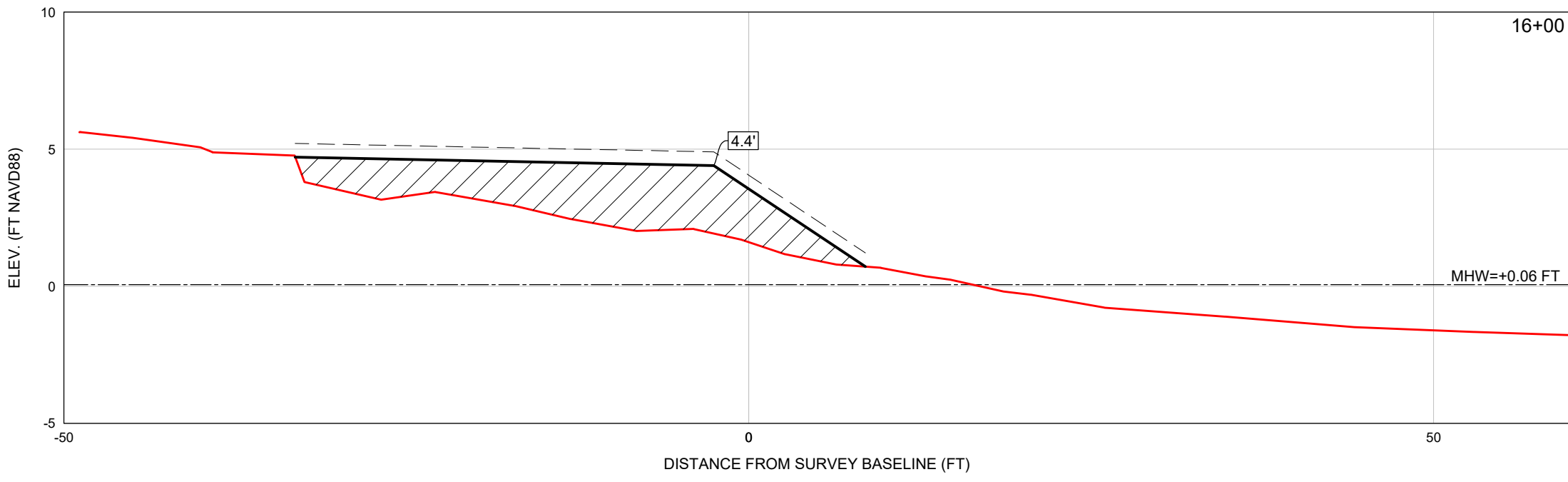
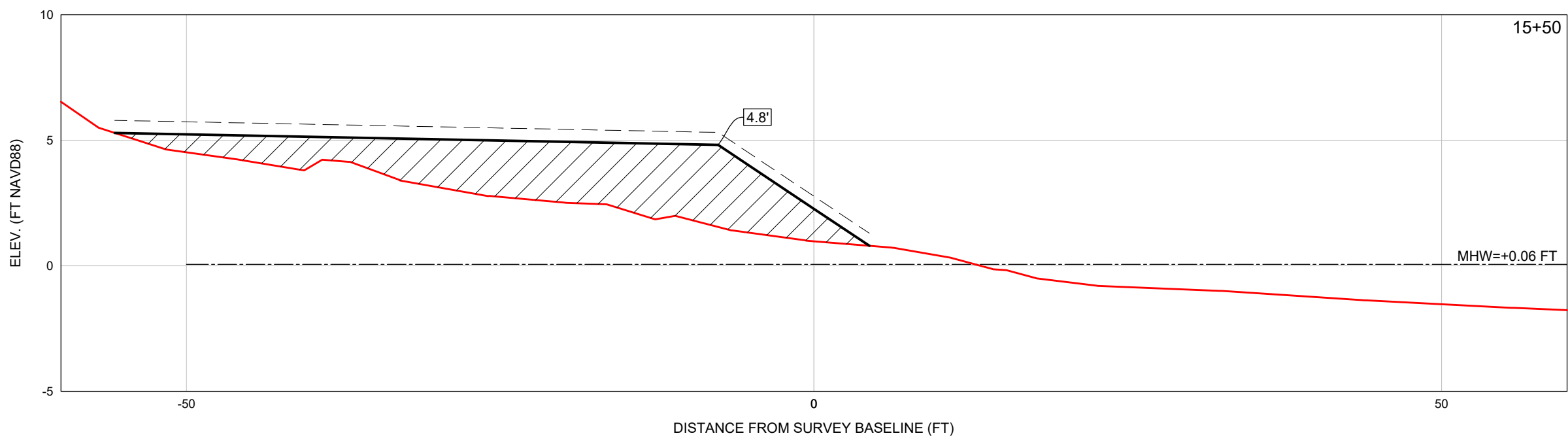
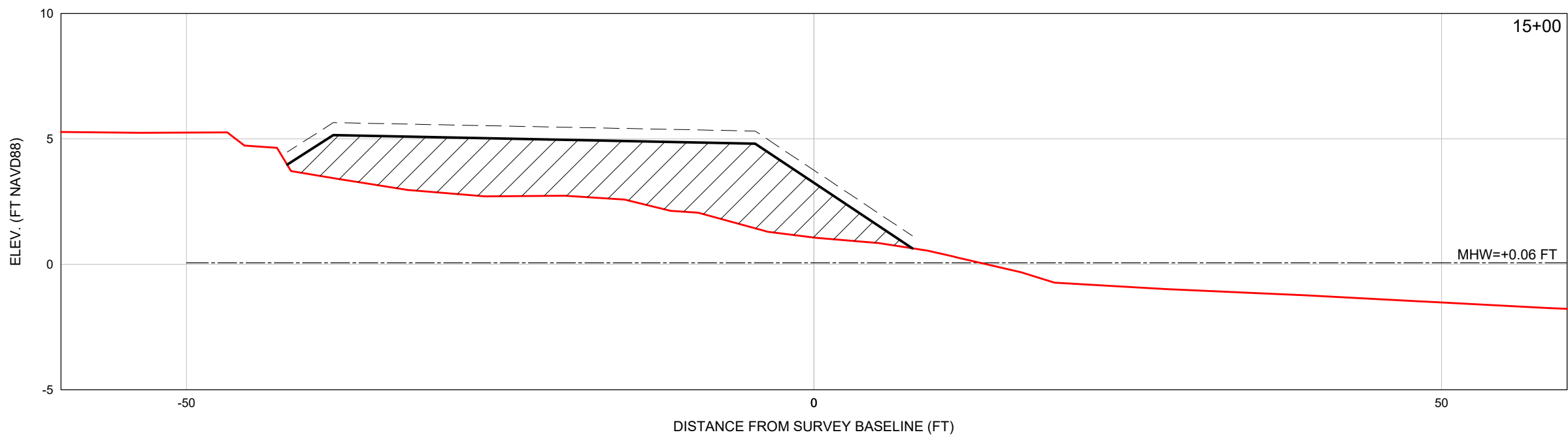
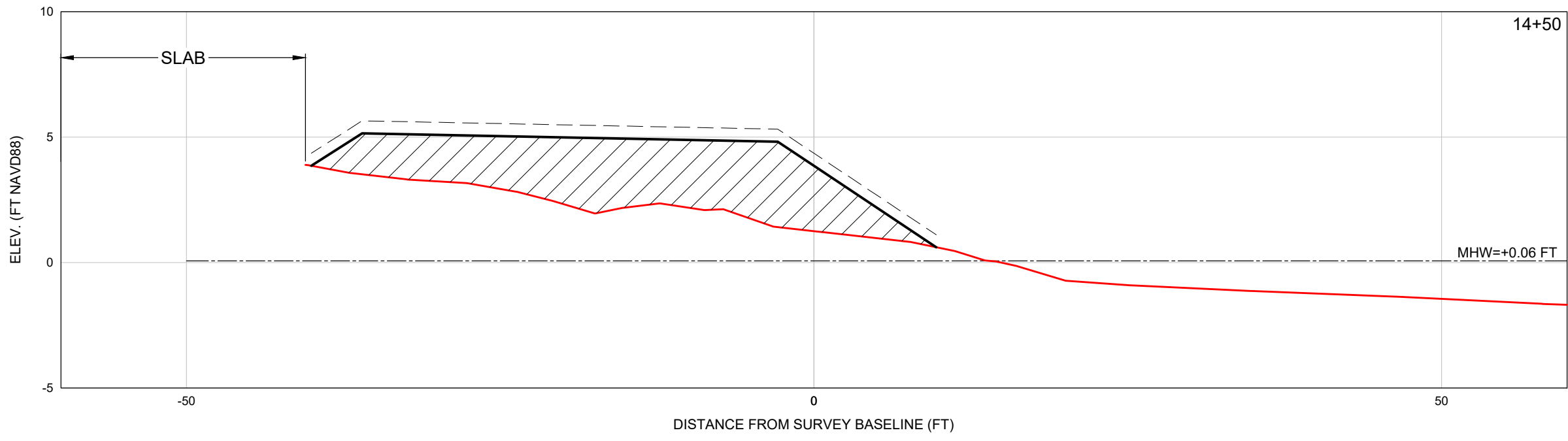
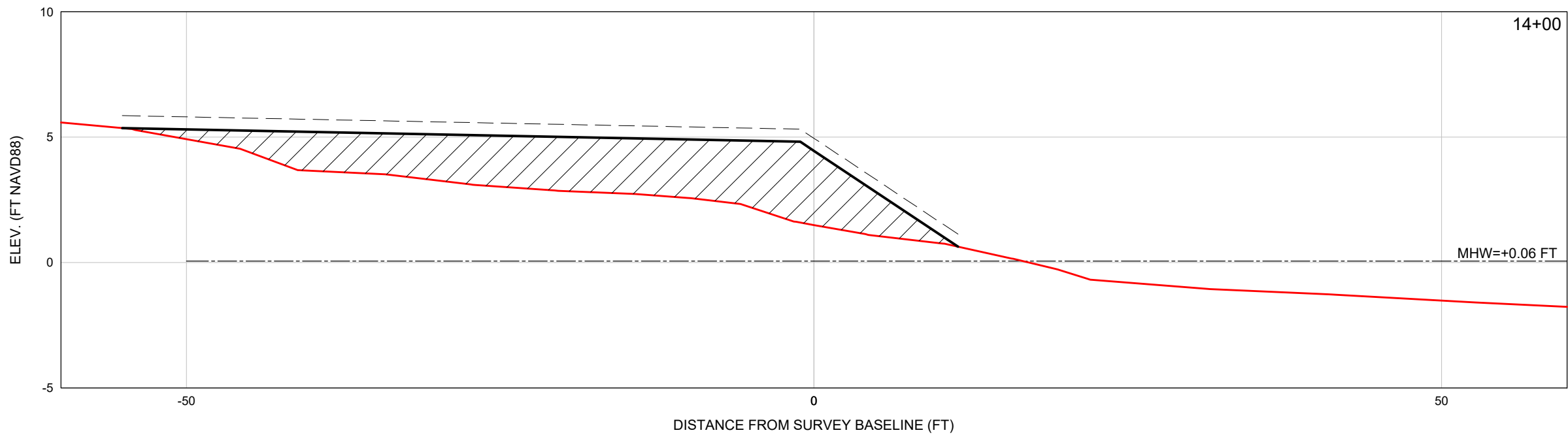
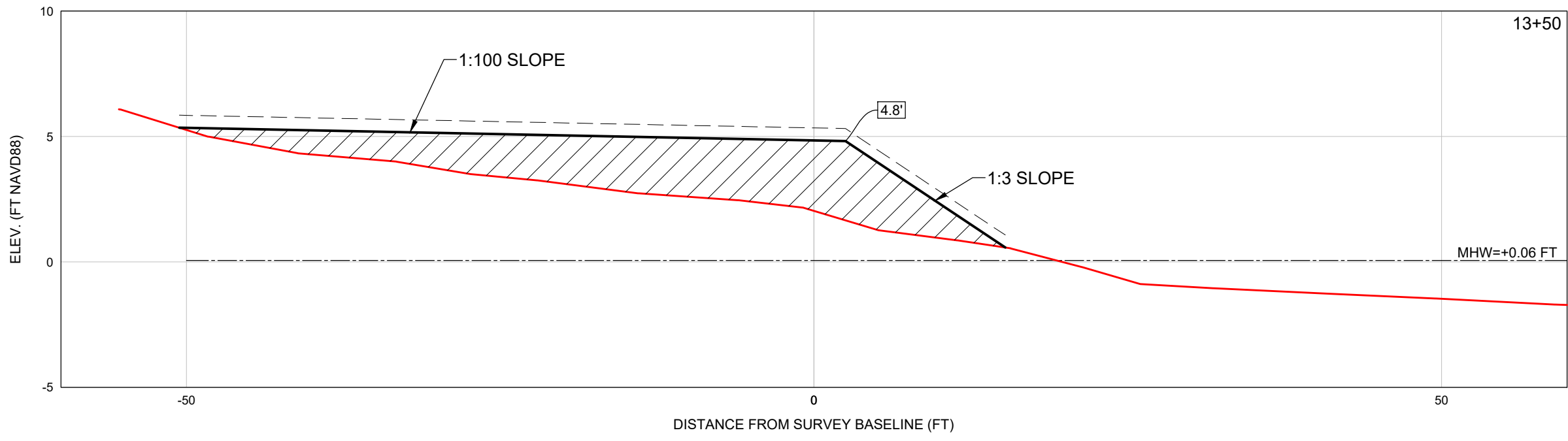
SCALE
H: 1" = 10'
V: 1" = 5'

NOTE

1. CONTRACTOR SHALL HAND PLACE MATERIAL AROUND EXISTING VEGETATION WITHIN FILL AREA.
2. VEGETATION LIMITS NOTED ARE APPROXIMATE.

 COASTAL ENGINEERING CONSULTANTS INC. Serving Coastal Communities Since 1977 28421 BONITA CROSSINGS BLVD BONITA SPRINGS, FLORIDA 34135 E-Mail: info@cecsf.com	CLIENT: CHARLOTTE COUNTY TITLE: SUNRISE WATERWAY MAINTENANCE DREDGING DISPOSAL AREA PROFILES: 7+50 TO 9+00 AND 11+00 TO 13+00	COASTAL & MARINE ENGINEERING ENVIRONMENTAL & GEOLOGICAL SERVICES SURVEY AND MAPPING ENGINEERING: CA 2464 SURVEYING: LB 2464		DATE: 5/20/2025	SCALE:	AS NOTED	THIS DOCUMENT AND THE CONCEPTS AND DESIGN PRESENTED HEREIN ARE AN INSTRUMENT OF SERVICE. NO WARRANTIES, EXPRESS OR IMPLIED, ARE MADE BY THE ENGINEER OR CONSULTANT. THE ENGINEER OR CONSULTANT SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION AND DATA PROVIDED TO THE ENGINEER OR CONSULTANT. THE ENGINEER OR CONSULTANT SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION AND DATA PROVIDED TO THE ENGINEER OR CONSULTANT. THE ENGINEER OR CONSULTANT SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION AND DATA PROVIDED TO THE ENGINEER OR CONSULTANT.
		DRAWN: SDB	F.B.				
		CHECKED: MTP	PG.				
		SEC. TWP.	RNG.				
		ACAD NO. 25120-Sunrise_POBC-C.dwg					
REF. NO. 25.120				DATE 6/27/2025	BY GVT	UPDATE ROCK STOCKPILE LOCATION	
				NO. 25.120		REVISION DESCRIPTION	

SHEET 6	FILE NO.: 25120-SUN-C-6
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LEGEND

▨ = BEACH FILL AREA
- - - = 0.5' BEACH FILL TOLERANCE
— = 3/6/2025 SURVEY
— = VEGETATION (3/6/2025)
3.0' = PROPOSED ELEVATION (FT NAVD88)

SCALE

H: 1" = 10'
V: 1" = 5'

- NOTE**
1. CONTRACTOR SHALL HAND PLACE MATERIAL AROUND EXISTING VEGETATION WITHIN FILL AREA
 2. VEGETATION LIMITS NOTED ARE APPROXIMATE.

 COASTAL ENGINEERING CONSULTANTS INC. Serving Coastal Communities Since 1977 28421 BONITA CROSSINGS BLVD BONITA SPRINGS, FLORIDA 34135	CLIENT: CHARLOTTE COUNTY	TITLE: SUNRISE WATERWAY MAINTENANCE DREDGING DISPOSAL AREA PROFILES: 13+50 TO 18+00	DATE: 5/20/2025	SCALE:	AS NOTED:	THIS DOCUMENT AND THE CONCEPTS AND DESIGN PRESENTED HEREIN ARE AN INSTRUMENT OF SERVICE. IF ANY DISCREPANCY OR INCONSISTENCY IS FOUND BETWEEN THIS DOCUMENT AND ANY OTHER DOCUMENTS OR INSTRUMENTS OF SERVICE, THE USER SHALL BE RESPONSIBLE FOR DETERMINING THE CORRECT INFORMATION AND ADAPTING TO THE CORRECT INFORMATION. CONSULTANTS, INC. (CCECI) DISCLAIMS ANY LIABILITY TO CCECI'S SUBSIDIARIES.			
			DRAWN: SDB	F.B.					
			CHECKED: MTP	PG.					
			SEC. TWP.	RNG.					
			ACAD NO. 25120-Sunrise_POBC-C.dwg	GVT 1	UPDATE ROCK STOCKPILE LOCATION	DATE	BY	REVISION DESCRIPTION	
			REF. NO.	25.120	NO.				