

# HIDEAWAY BEACH EROSION CONTROL PROJECT NEARSHORE BORROW AREA EXPANSION

PREPARED FOR:  
THE CITY OF MARCO ISLAND

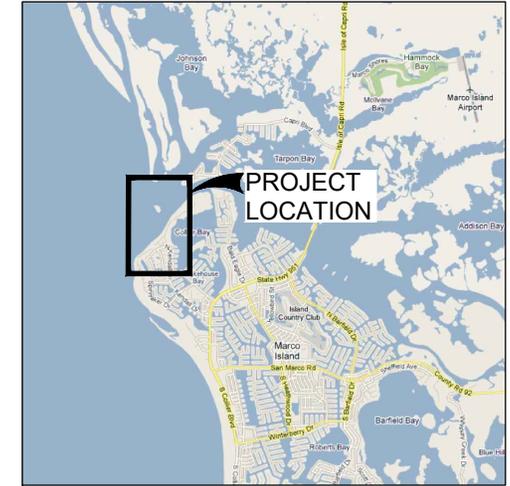
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## PUBLISHED TIDAL INFORMATION

TIDAL DATUMS AT MARCO, BIG MARCO RIVER ARE BASED ON FLORIDA 872 4991 TIDE STATION, PUBLISHED 03-30-2015.  
 LENGTH OF SERIES = 1 MONTH  
 TIME PERIOD = JULY 1989 - JULY 1989  
 TIDAL EPOCH = 1983 - 2001  
 CONTROL TIDE STATION = 872 5110 NAPLES, GULF OF MEXICO  
 ELEVATIONS OF TIDAL DATUMS ARE REFERENCED IN NAVD 1988.

MEAN HIGH WATER (MHW) = +0.43 FT NAVD  
 MEAN TIDE LEVEL (MTL) = -0.59 FT NAVD  
 MEAN LOW WATER (MLW) = -1.62 FT NAVD



**LOCATION MAP**

N.T.S.

## NOTES

1. SURVEY CONDUCTED BY COASTAL ENGINEERING CONSULTANTS, INC., MAY 22, 2020.
2. SUBMERGED AQUATIC VEGETATION SURVEY CONDUCTED BY TURRELL, HALL & ASSOCIATES, INC., JUNE 2020.
3. PLANE COORDINATES ARE BASED ON THE TRANSVERSE MERCATOR PROJECTION FOR THE EAST 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 (NAVD). ELEVATIONS ARE BASED ON:

872 4991D TIDAL  
 NORTHING 591,727.19 FEET  
 EASTING 417,229.65 FEET  
 ELEVATION 2.10 FEET NAVD

FDEP A24 (6478)  
 NORTHING 588,145.15 FEET  
 EASTING 410,914.69 FEET  
 ELEVATION 2.32 FEET NAVD

4. TIDAL REDUCTIONS WERE OBTAINED UTILIZING REAL-TIME KINEMATIC GPS AND REFERENCED TO NAVD.
5. 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.
6. INFORMATION SHOWN HEREON REFLECTS CONDITIONS AS THEY EXISTED ON THE SURVEY DATE SHOWN AND CAN ONLY BE CONSIDERED INDICATIVE OF CONDITIONS AT THAT TIME.
7. AERIAL PHOTOGRAPHY PROVIDED BY PICKETT AND ASSOCIATES, INC., DATED JUNE 2020.

SHEET 1  
FILE NO.: 20020-P-1

**COASTAL ENGINEERING CONSULTANTS INC.**  
 A CECI GROUP COMPANY  
 Serving Florida Since 1977  
 28421 BONITA CROSSINGS BLVD  
 BONITA SPRINGS, FLORIDA 34135

COASTAL AND MARINE ENGINEERING  
 ENVIRONMENTAL SERVICES  
 GEOLOGICAL SERVICES  
 SURVEY AND MAPPING  
 PHONE: (239)643-2324  
 FAX: (239)643-1143  
 www.coastalengineering.com  
 E-Mail: info@cecifi.com

CLIENT: **THE CITY OF MARCO ISLAND**  
 TITLE: **NEARSHORE BORROW AREA EXPANSION  
COVER SHEET**

DATE:	11/06/2020	SCALE:	AS NOTED
DRAWN:	VVA	F.B.	
CHECKED:	MTP	PG.	
SEC.	TWP.	RNG.	
ACAD Dwg	20020-Permit-Mod-NBA-Expansion1.dwg		
REF. NO.	20.020	NO.	DATE

NO.	DATE	BY	REVISION DESCRIPTION

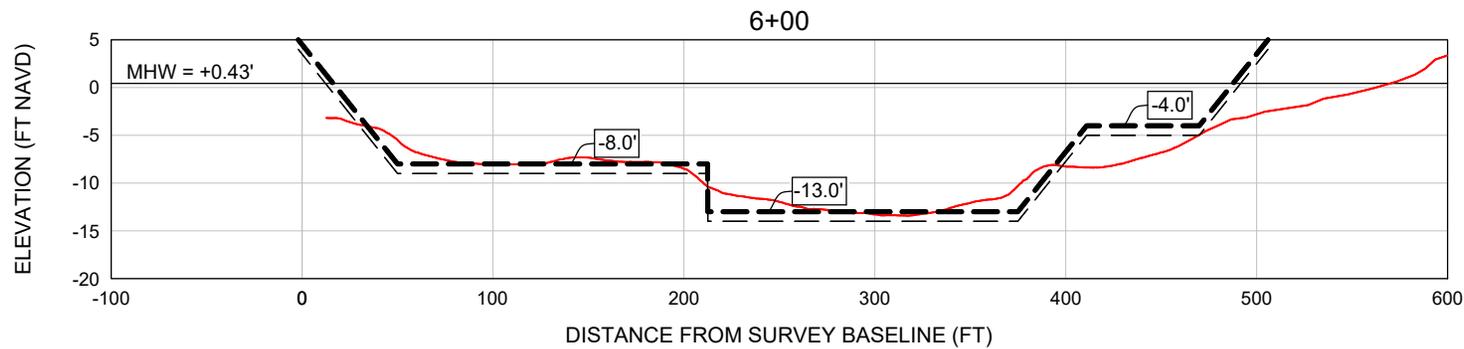
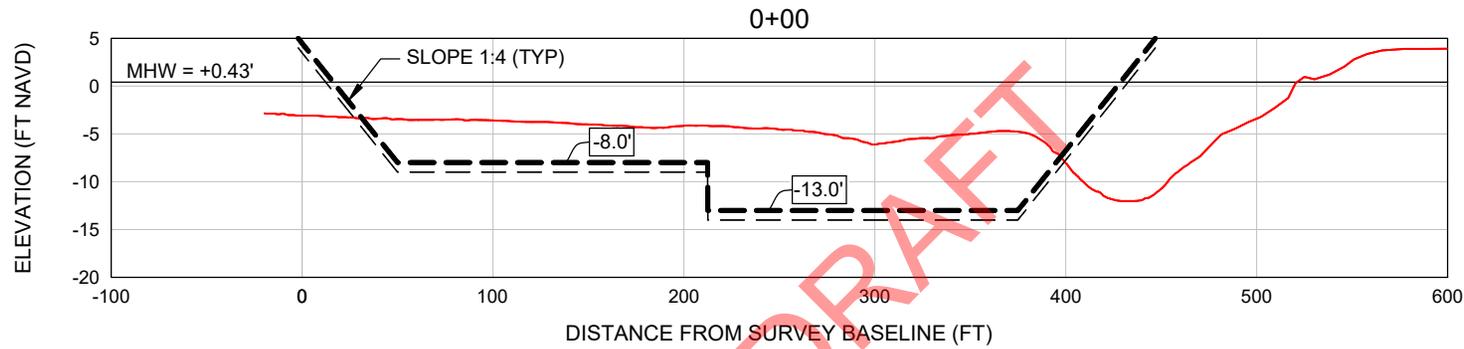
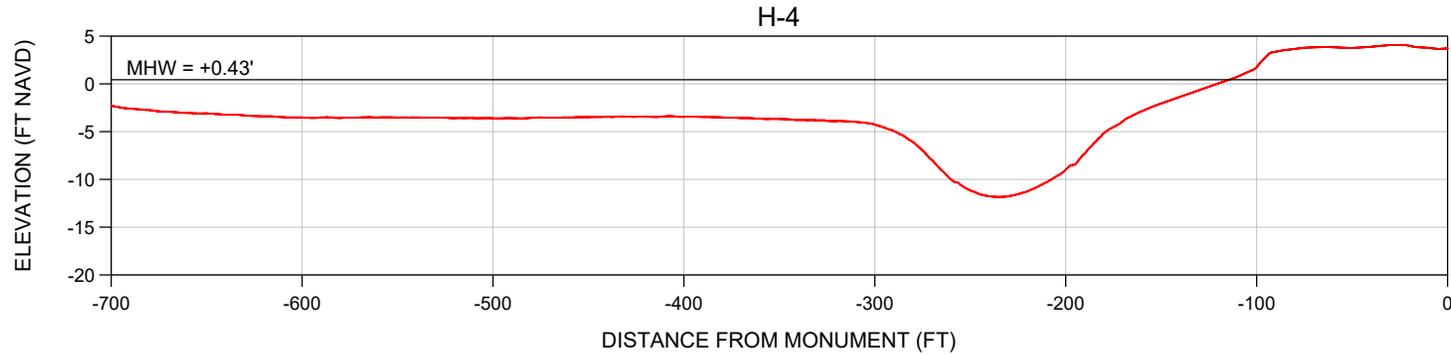


**LEGEND**

-  PERMITTED DREDGE CUT
-  1 FT OVERDREDGE
-  MAY 2020 SURVEY

**SCALE**

H: 1" = 100'  
V: 1" = 20'



SHEET 3  
FILE NO.: 20020-P-3

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CLIENT: **THE CITY OF MARCO ISLAND**  
TITLE: **NEARSHORE BORROW AREA EXPANSION CROSS SECTIONS**

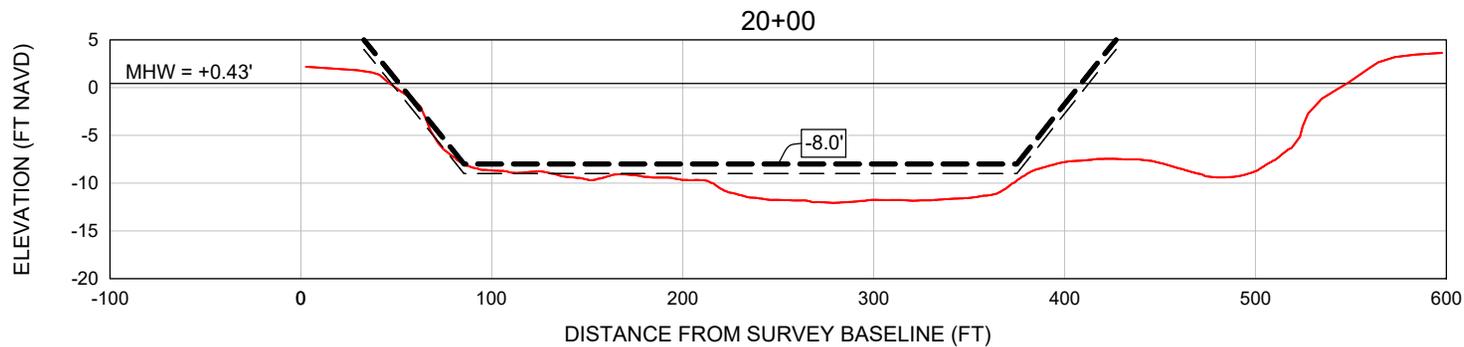
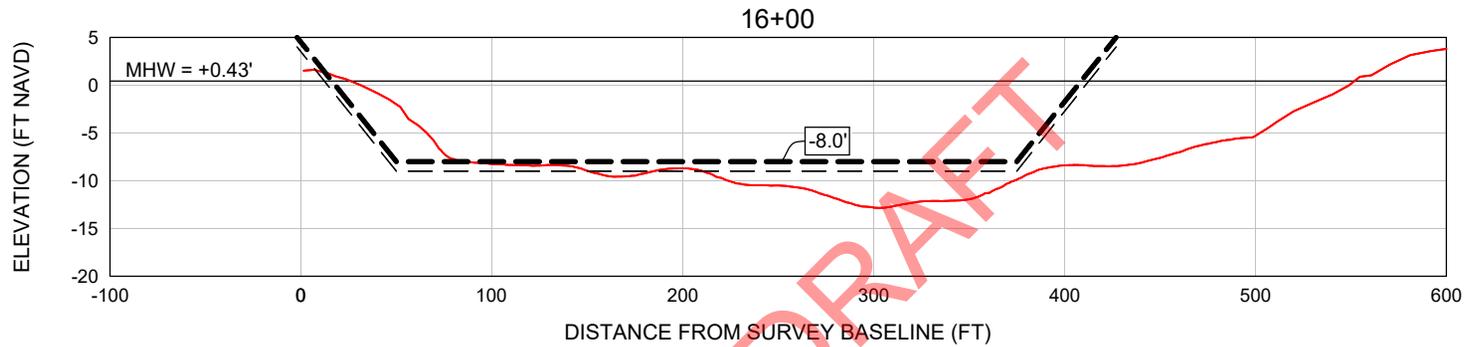
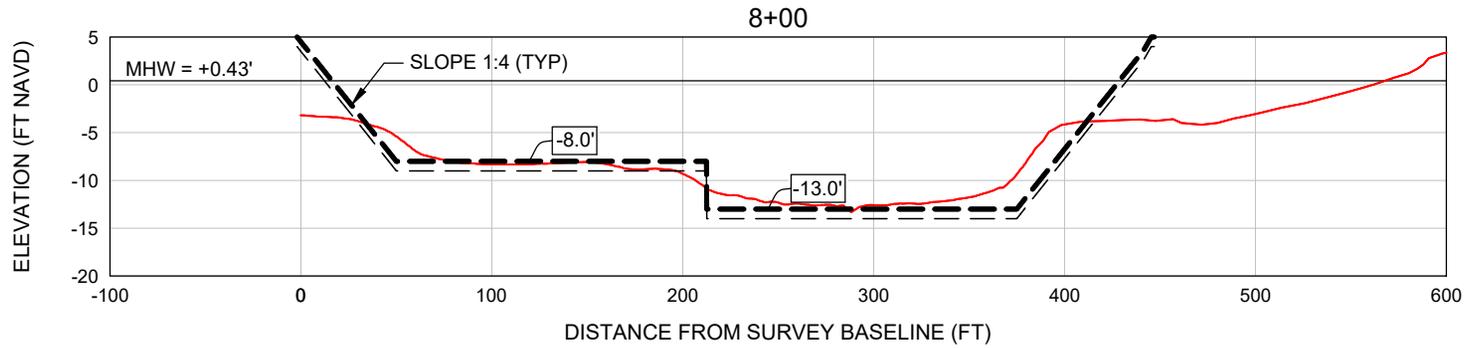
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**LEGEND**

-  PERMITTED DREDGE CUT
-  1 FT OVERDREDGE
-  MAY 2020 SURVEY

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 V: 1" = 20'



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SHEET 4  
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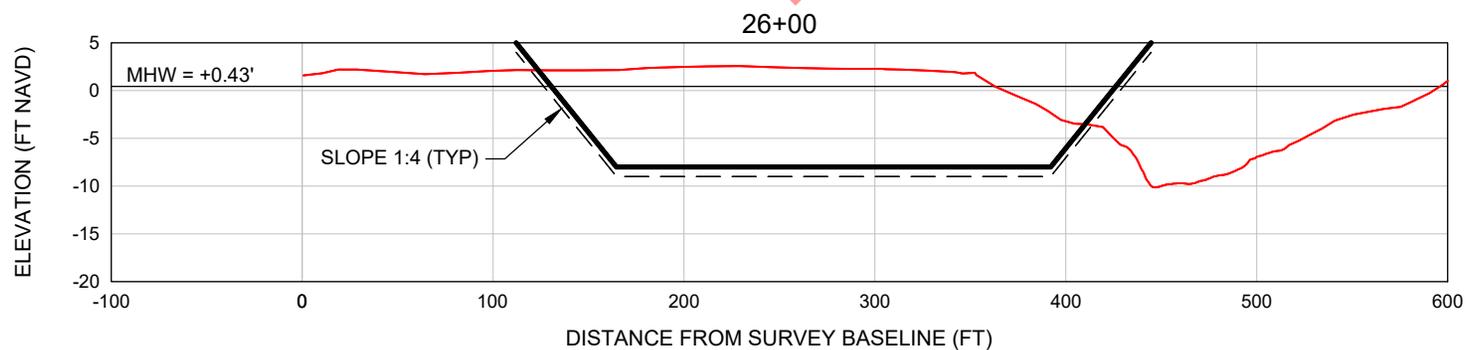
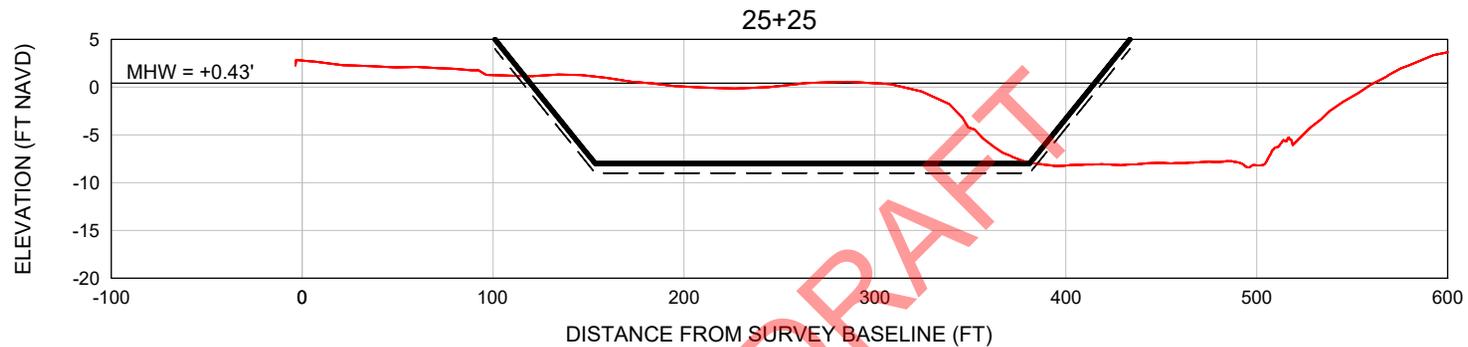
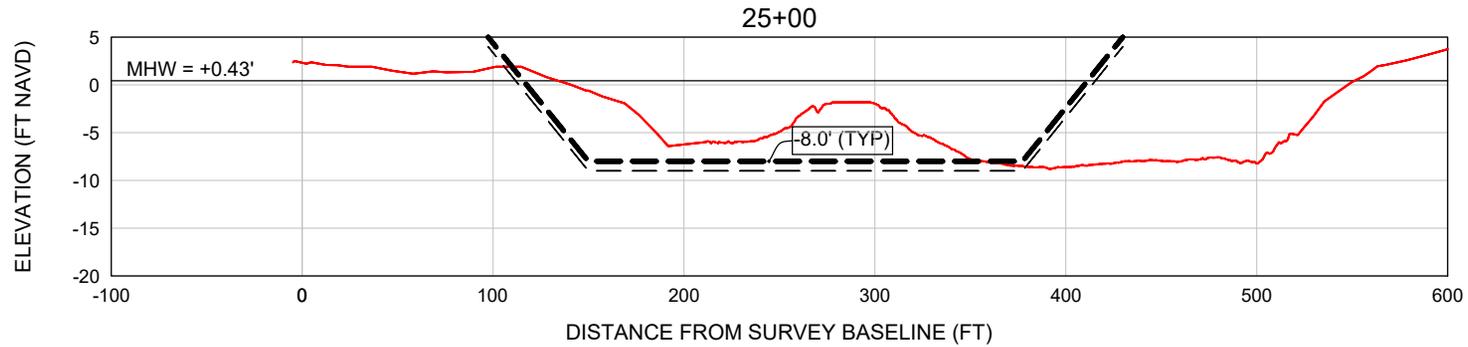
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**LEGEND**

-  PERMITTED DREDGE CUT
-  PROPOSED DREDGE CUT
-  1 FT OVERDREDGE
-  MAY 2020 SURVEY

**SCALE**

H: 1" = 100'  
V: 1" = 20'



SHEET 5  
FILE NO.: 20020-P-5

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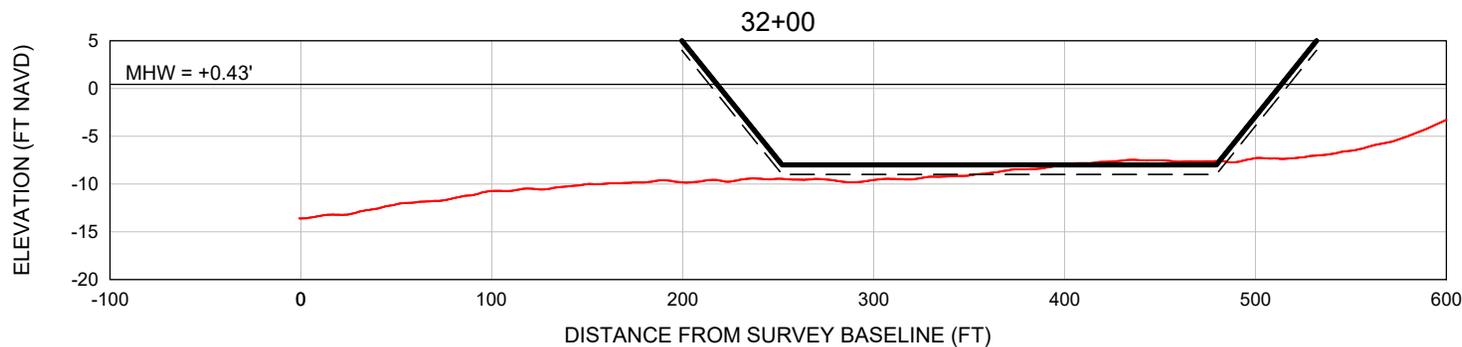
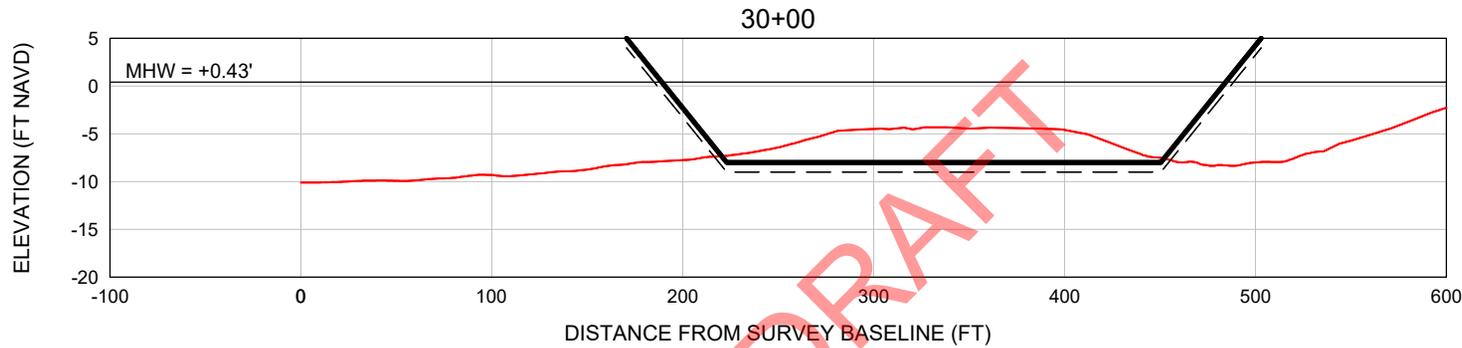
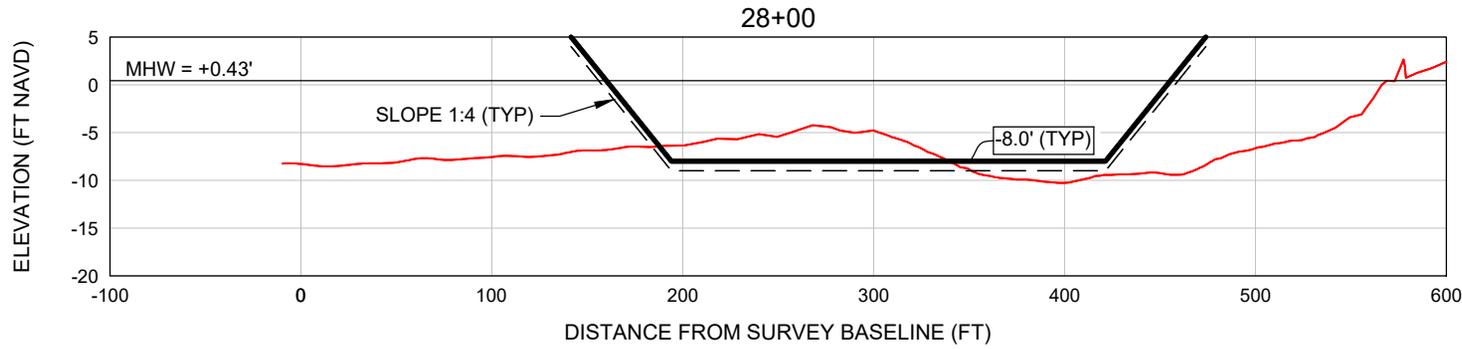
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**LEGEND**

-  PROPOSED DREDGE CUT
-  1 FT OVERDREDGE
-  MAY 2020 SURVEY

**SCALE**  
 H: 1" = 100'  
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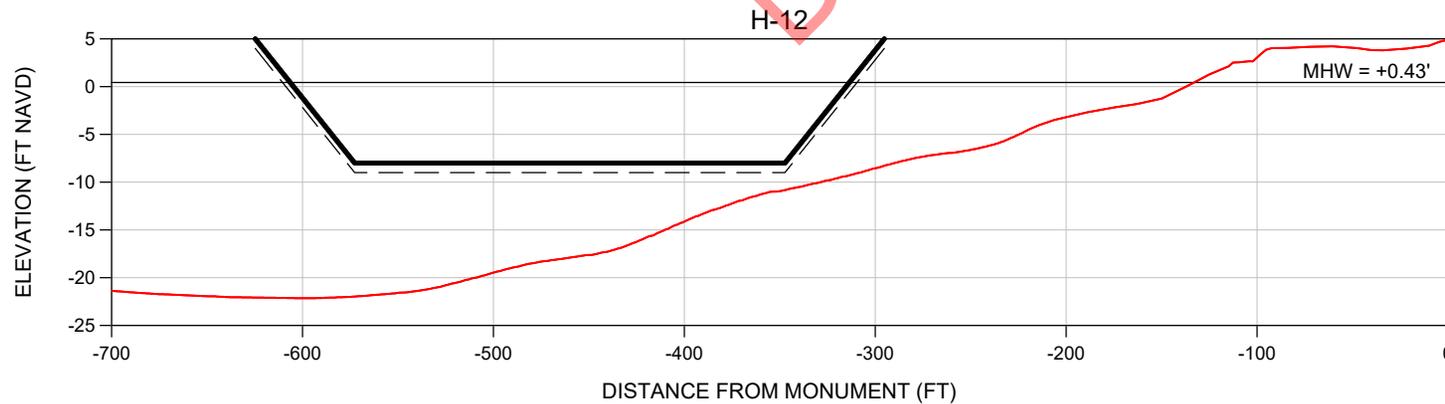
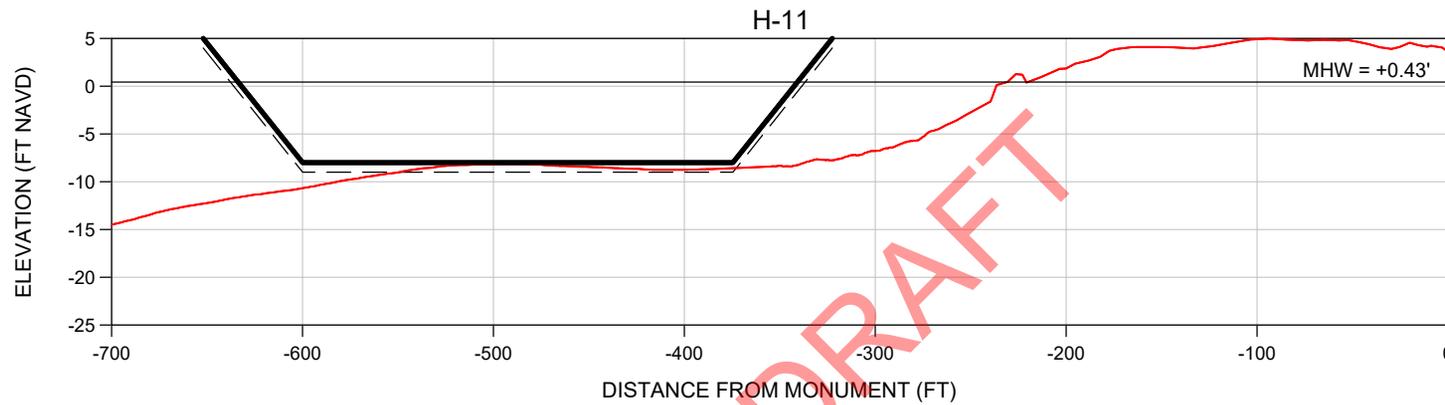
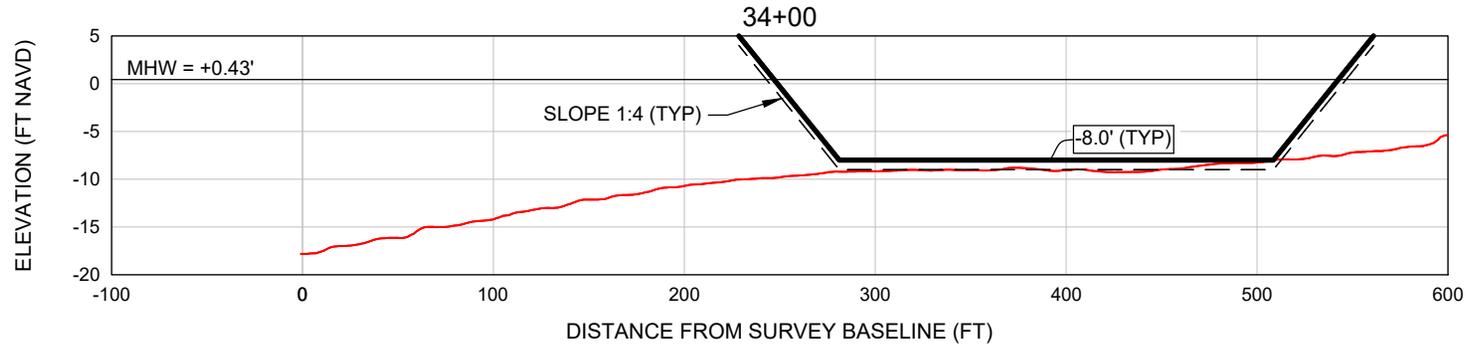


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SHEET 6 FILE NO.: 20020-P-6	 <b>COASTAL ENGINEERING CONSULTANTS INC.</b> A CECI GROUP COMPANY Serving Florida Since 1977  28421 BONITA CROSSINGS BLVD BONITA SPRINGS, FLORIDA 34135	COASTAL AND MARINE ENGINEERING ENVIRONMENTAL SERVICES GEOLOGICAL SERVICES SURVEY AND MAPPING	CLIENT: <b>THE CITY OF MARCO ISLAND</b>  TITLE: <b>NEARSHORE BORROW AREA EXPANSION CROSS SECTIONS</b>	DATE: 11/06/2020 DRAWN: VVA CHECKED: MTP SEC. TWP. RNG. ACAD NO. 20020-Permit-Mod-NBA-Expansion1.dwg REF. NO. 20.020	SCALE: AS NOTED F.B. PG. NO. DATE BY REVISION DESCRIPTION	
		PHONE: (239)643-2324 FAX: (239)643-1143 www.coastalengineering.com E-Mail: info@cecif.com				

**LEGEND**

- PROPOSED DREDGE CUT
- - - - 1 FT OVERDREDGE
- MAY 2020 SURVEY



SHEET 7  
FILE NO.: 20020-P-7

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