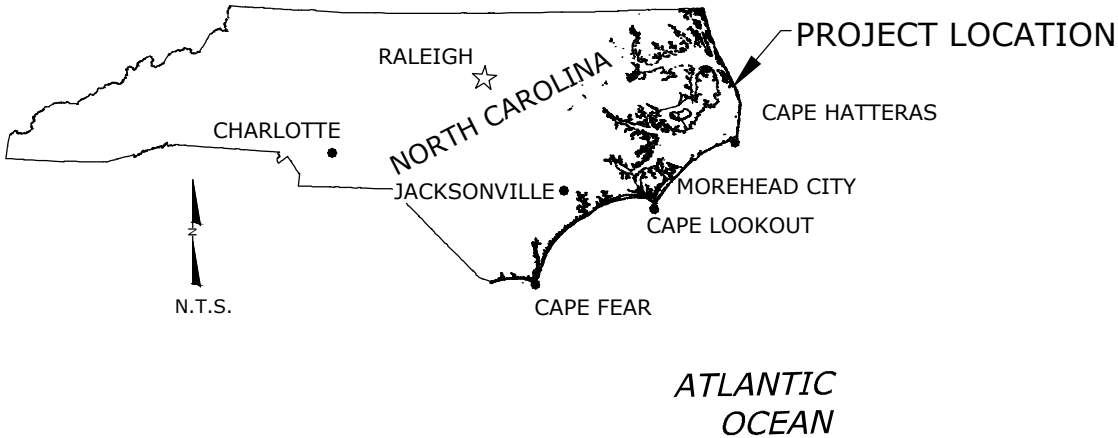
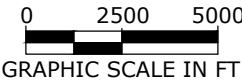
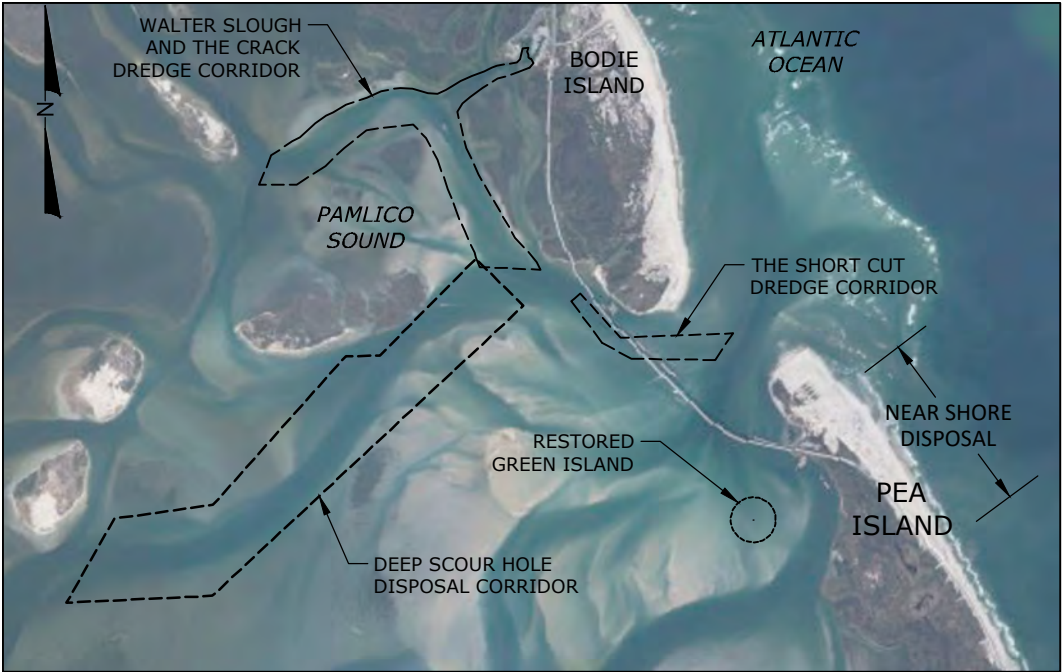


CENTRAL DARE COUNTY DREDGE MATERIAL  
MAINTENANCE PROJECT,  
NON-FEDERAL CHANNELS  
DARE COUNTY, NORTH CAROLINA



SHEET INDEX

- 1 COVER SHEET
- 2 OVERALL PLAN VIEW
- 3-7 PLAN VIEWS
- 8 PLAN VIEW - ADJACENT RIPARIAN PROPERTY OWNERS
- 9-10 PROPOSED CHANNELS CROSS SECTIONS
- 11 OREGON INLET WEST CROSS SECTIONS
- 12 RESTORED GREEN ISLAND CROSS SECTIONS

GENERAL NOTES:

- 1. COORDINATES ARE IN FEET BASED ON NORTH CAROLINA STATE PLANE COORDINATE SYSTEM, NORTH AMERICAN DATUM 1983, (NAD83).
- 2. ELEVATIONS ARE IN FEET RELATIVE TO MEAN LOWER LOW WATER (MLLW)
- 3. DATE OF AERIAL PHOTOGRAPHY: FEBRUARY 15, 2020.
- 4. SURVEY DATA COLLECTED BY THE USACE ALONG OLD HOUSE CHANNEL RANGE 2 ON AUGUST 6 & 9, 2021.
- 5. SURVEY DATA SURROUNDING THE WALTER SLOUGH AND THE CRACK CORRIDOR COLLECTED BY THE US GEOLOGICAL SURVEY (USGS) COASTAL NATIONAL ELEVATION DATABASE (CONED) APPLICATIONS PROJECT. CONTOURS WERE DERIVED FROM THE USGS CONED DEM ACCESSED ON JULY 12, 2022.
- 6. SURVEY DATA SURROUNDING GREEN ISLAND COLLECTED BY NV5 GEOSPATIAL FROM NOVEMBER 26, 2019 TO AUGUST 25, 2020.
- 7. SURVEY DATA COLLECTED BY THE USACE ALONG OREGON INLET EAST OF BRIDGE SPIT AND WEST OF BRIDGE RANGE 1 ON MAY 17, 2022.
- 8. SURVEY DATA COLLECTED BY THE USACE ALONG OREGON INLET WEST OF BRIDGE FLOOD SHOAL ON MAY 23, 2022.
- 9. SURVEY DATA COLLECTED BY THE USACE ALONG OREGON INLET WEST RANGES 2-5 ON SEPTEMBER 20, 2022.
- 10. SURVEY DATA COLLECTED BY THE USACE ALONG OREGON INLET WEST RANGE 6 ON SEPTEMBER 22, 2022.
- 11. BENTHIC HABITAT DATA CONTAINING SHELL COLLECTED BY NC DIVISION OF MARINE FISHERIES 1989-2008.
- 12. SUBMERGED AQUATIC VEGETATION DATA COLLECTED BY APNEP BETWEEN 2019 AND 2020.

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COASTAL PROTECTION ENGINEERING  
OF NORTH CAROLINA, INC.

4038 MASONBORO LOOP RD.  
WILMINGTON, NC 28409

ENGINEERING LICENSE CERTIFICATE #: C-2331

PH. (910)399-1905

REVISIONS			
No.	Date	Description	

Checked by:	AP
Reviewed by:	BR
Submitted by:	BR
Project No.:	2020048
Plot Scale:	AS NOTED

Designed by:	AP
Drawn by:	FD
Date:	9/9/2022

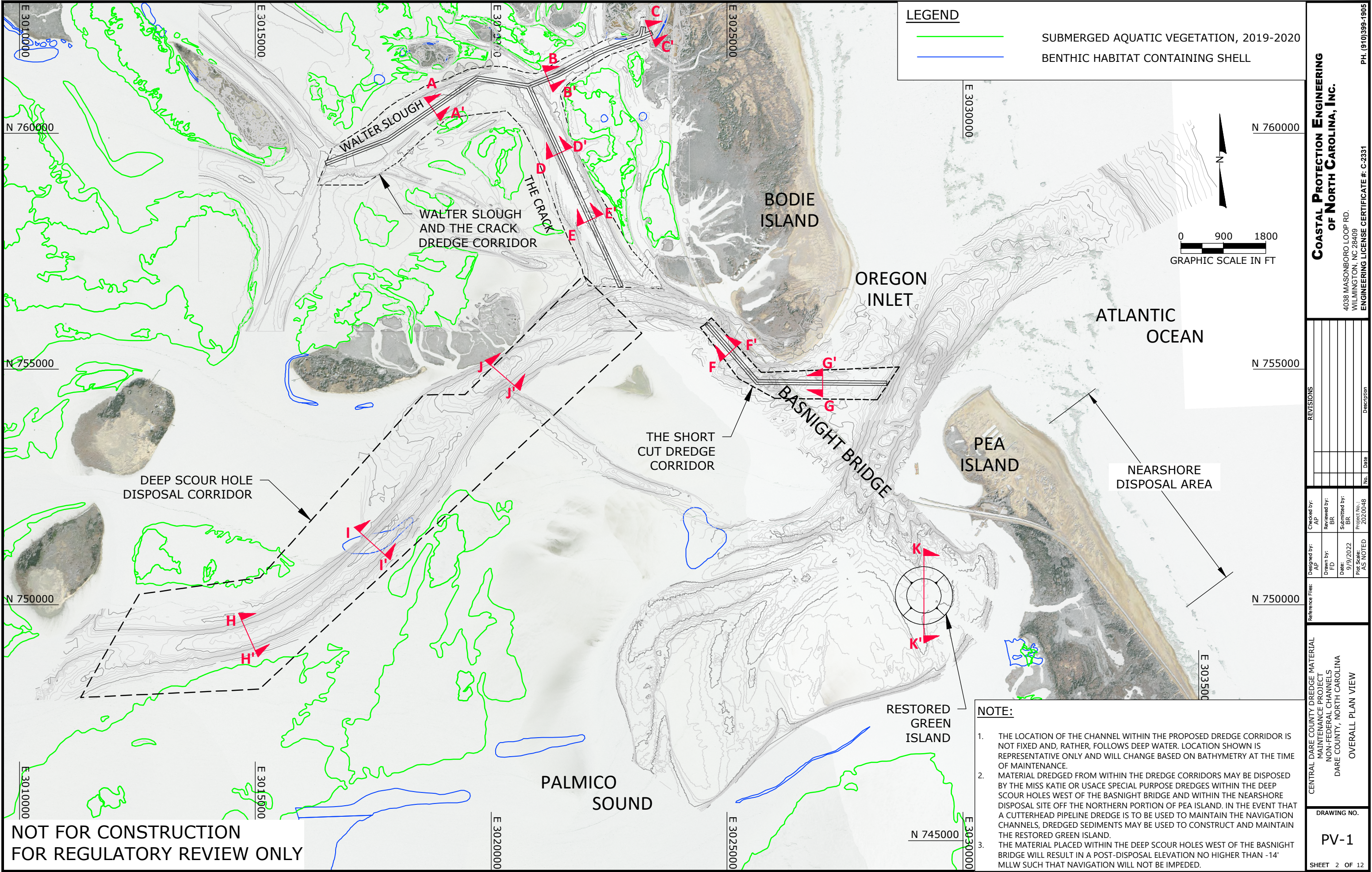
CENTRAL DARE COUNTY DREDGE MATERIAL  
MAINTENANCE PROJECT  
NON-FEDERAL CHANNELS  
DARE COUNTY, NORTH CAROLINA  
COVER SHEET

DRAWING NO.

CS-1

SHEET 1 OF 12





**COASTAL PROTECTION ENGINEERING  
OF NORTH CAROLINA, INC.**

4038 MASONBORO LOOP RD.  
WILMINGTON, NC 28409  
ENGINEERING LICENSE CERTIFICATE #: C-2331  
PH: (910) 399-1905

REVISIONS	
No.	Description

Designed by:	Checked by:
AP	AP

Drawn by:	Reviewed by:
FD	BR

Date:	Submitted by:
9/9/2022	BR

Project No.:	File Scale:
2020048	AS NOTED

CENTRAL DARE COUNTY DREDGE MATERIAL  
MAINTENANCE PROJECT  
NON-FEDERAL CHANNELS  
DARE COUNTY, NORTH CAROLINA

OVERALL PLAN VIEW

DRAWING NO.

**PV-1**

SHEET 2 OF 12







### LEGEND

SUBMERGED AQUATIC VEGETATION, 2019-2020

BENTHIC HABITAT CONTAINING SHELL

US COAST  
GUARD  
STATION

OREGON INLET  
FISHING CENTER

## BASNIGHT BRIDGE

WALTER SLOUGH  
AND THE CRACK  
DREDGE CORRIDOR

PALMICO  
SOUND

NOT FOR CONSTRUCTION  
FOR REGULATORY REVIEW ONLY

**NOTE:**

1. THE LOCATION OF THE CHANNEL WITHIN THE PROPOSED DREDGE CORRIDOR IS NOT FIXED AND, RATHER, FOLLOWS DEEP WATER. LOCATION SHOWN IS REPRESENTATIVE ONLY AND WILL CHANGE BASED ON BATHYMETRY AT THE TIME OF MAINTENANCE.
2. MATERIAL DREDGED FROM WITHIN THE DREDGE CORRIDORS MAY BE DISPOSED BY THE MISS KATIE OR USACE SPECIAL PURPOSE DREDGES WITHIN THE DEEP SCOUR HOLES WEST OF THE BASNIGHT BRIDGE AND WITHIN THE NEARSHORE DISPOSAL SITE OFF THE NORTHERN PORTION OF PEA ISLAND. IN THE EVENT THAT A CUTTERHEAD PIPELINE DREDGE IS TO BE USED TO MAINTAIN THE NAVIGATION CHANNELS, DREDGED SEDIMENTS MAY BE USED TO CONSTRUCT AND MAINTAIN THE RESTORED GREEN ISLAND.
3. THE MATERIAL PLACED WITHIN THE DEEP SCOUR HOLES WEST OF THE BASNIGHT BRIDGE WILL RESULT IN A POST-DISPOSAL ELEVATION NO HIGHER THAN -14' MLLW SUCH THAT NAVIGATION WILL NOT BE IMPEDED.

**COASTAL PROTECTION ENGINEERING  
OF NORTH CAROLINA, INC.**  
DORO LOOP RD.

4350 MARLBOROUGH ROAD, SUITE 200  
WILMINGTON, NC 28409  
ENGINEERING LICENSE CERT.

ENGINEERING LICENSE CERTIFICATE #: 0-5331

PH. (910)339-6601

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AP

AP

## MAINTENANCE PROJECT

NON-FEDERAL CHANNELS  
DARE COUNTY, NORTH CAROLINA  
PLAN VIEW

PLAN VIEW  
(2 OF 5)

**DRAWING NO.**

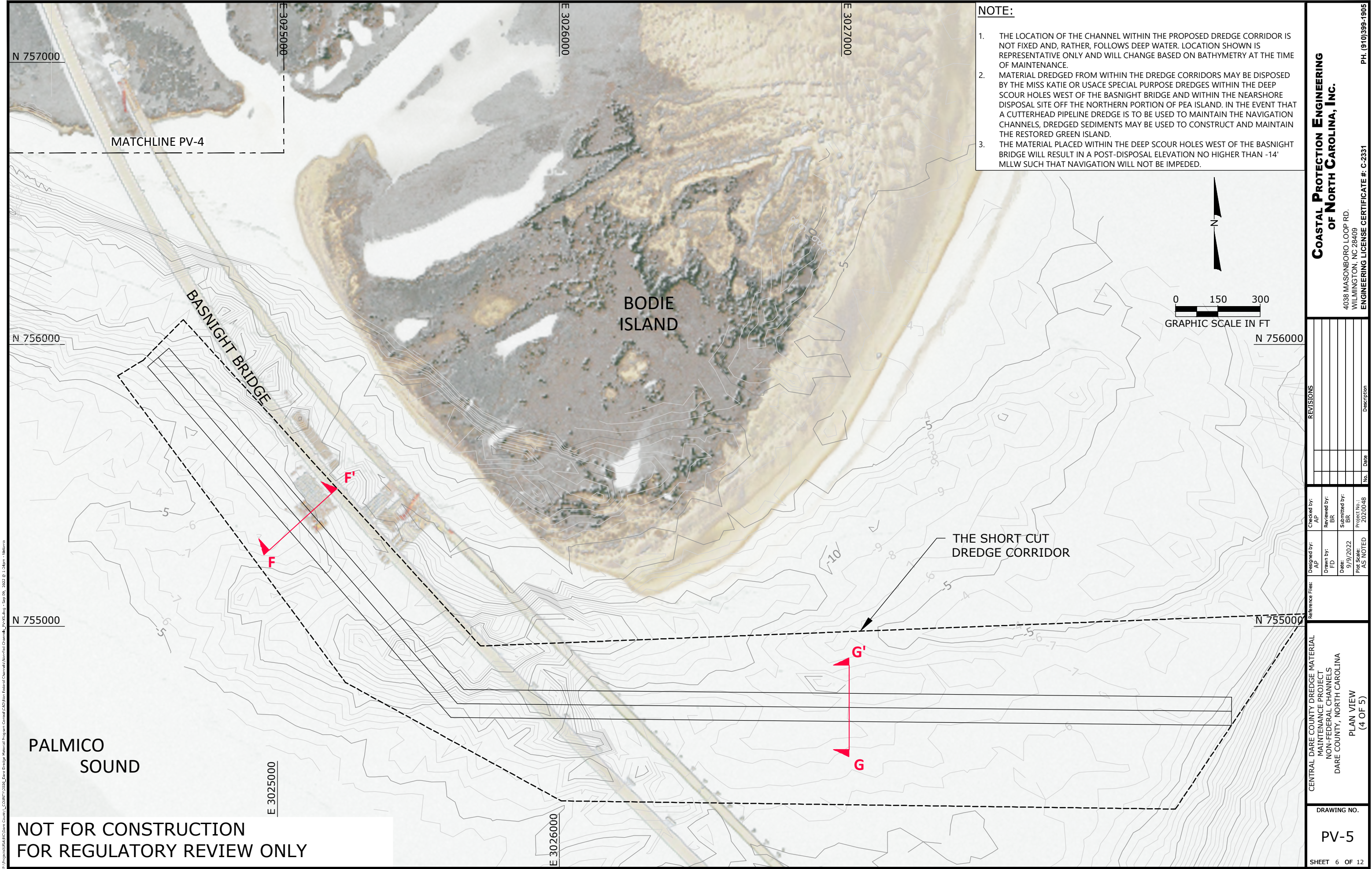
PV-3

SHEET 4 OF 12









- NOTE:**
1. THE LOCATION OF THE CHANNEL WITHIN THE PROPOSED DREDGE CORRIDOR IS NOT FIXED AND, RATHER, FOLLOWS DEEP WATER. LOCATION SHOWN IS REPRESENTATIVE ONLY AND WILL CHANGE BASED ON BATHYMETRY AT THE TIME OF MAINTENANCE.
  2. MATERIAL DREDGED FROM WITHIN THE DREDGE CORRIDORS MAY BE DISPOSED BY THE MISS KATIE OR USACE SPECIAL PURPOSE DREDGES WITHIN THE DEEP SCOUR HOLES WEST OF THE BASNIGHT BRIDGE AND WITHIN THE NEARSHORE DISPOSAL SITE OFF THE NORTHERN PORTION OF PEA ISLAND. IN THE EVENT THAT A CUTTERHEAD PIPELINE DREDGE IS TO BE USED TO MAINTAIN THE NAVIGATION CHANNELS, DREDGED SEDIMENTS MAY BE USED TO CONSTRUCT AND MAINTAIN THE RESTORED GREEN ISLAND.
  3. THE MATERIAL PLACED WITHIN THE DEEP SCOUR HOLES WEST OF THE BASNIGHT BRIDGE WILL RESULT IN A POST-DISPOSAL ELEVATION NO HIGHER THAN -14' MLLW SUCH THAT NAVIGATION WILL NOT BE IMPEDED.

**COASTAL PROTECTION ENGINEERING  
OF NORTH CAROLINA, INC.**

4038 MASONBORO LOOP RD.  
WILMINGTON, NC 28409  
ENGINEERING LICENSE CERTIFICATE #: C-2331

PH. (910)399-1905

DESIGNED BY:		CHECKED BY:	
AP	AP	AP	AP

DRAWN BY:		REVIEWED BY:	
FD	BR	BR	BR

DATE:		SUBMITTED BY:	
9/9/2022	BR	BR	BR

PROJECT NO.:		DATE	
2020048	AS NOTED		

REVISIONS	
No.	Description

CENTRAL DARE COUNTY DREDGE MATERIAL  
MAINTENANCE PROJECT  
NON-FEDERAL CHANNELS  
DARE COUNTY, NORTH CAROLINA

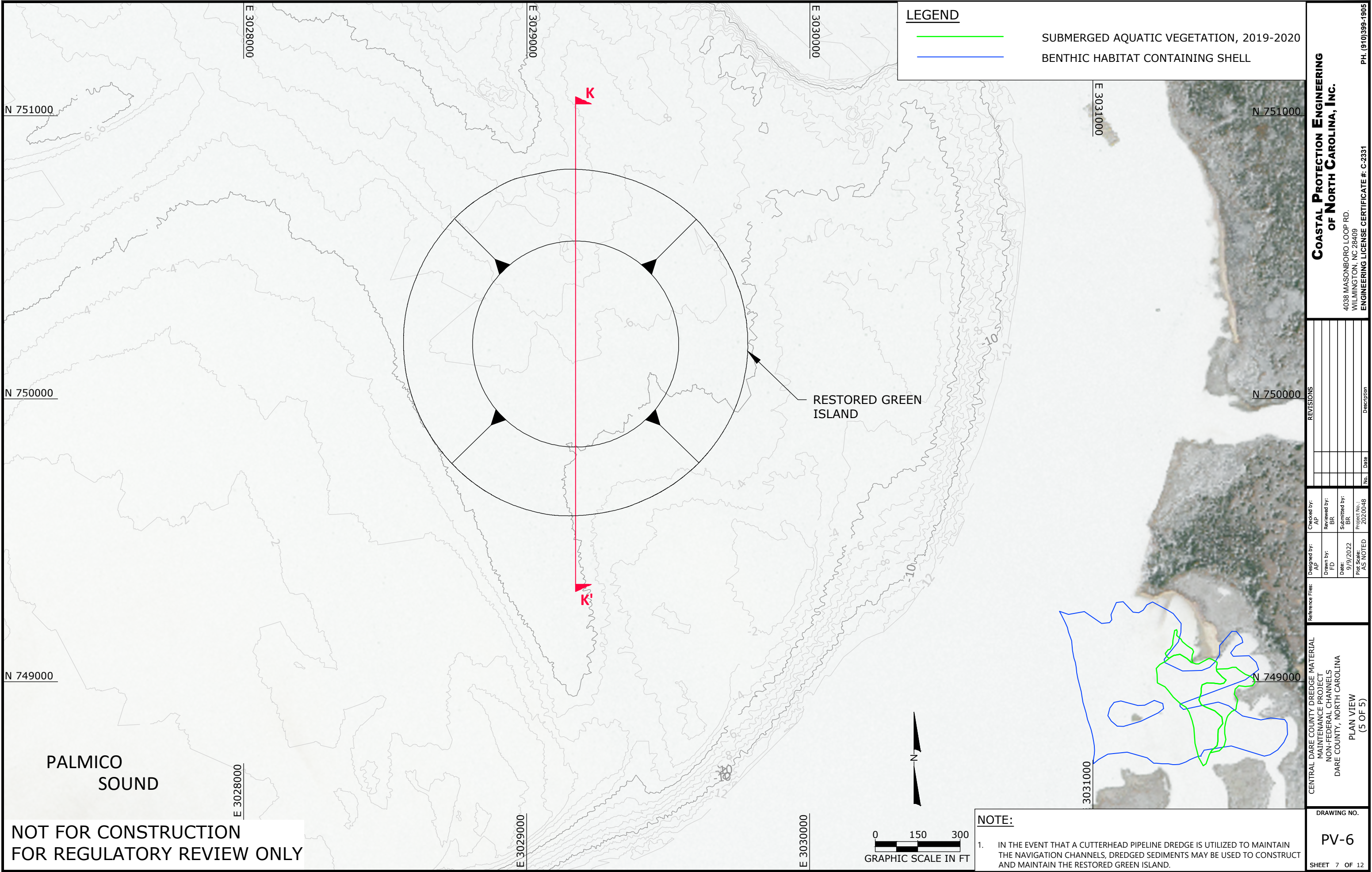
PLAN VIEW  
(4 OF 5)

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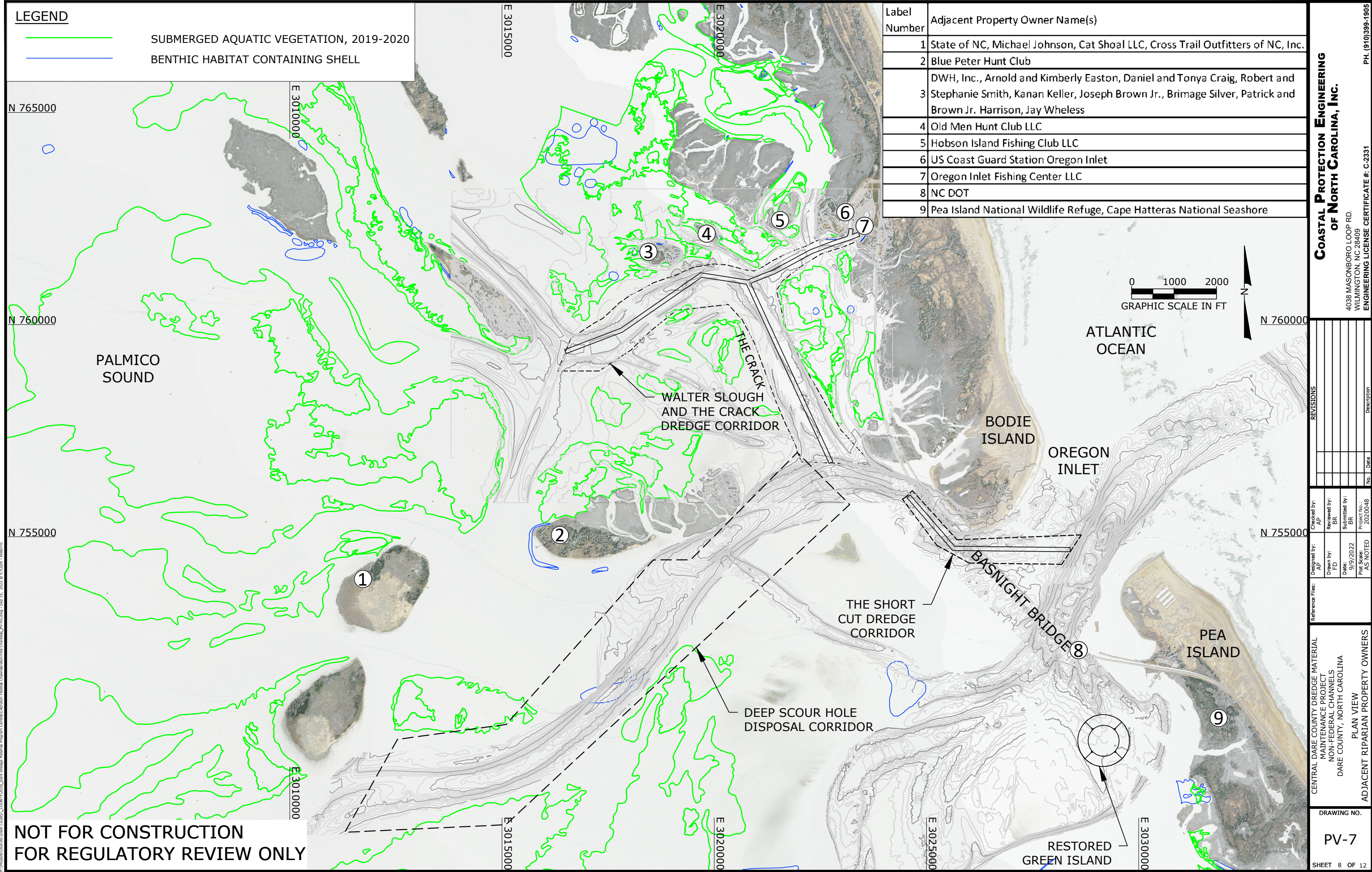
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SHEET 6 OF 12









**COASTAL PROTECTION ENGINEERING  
OF NORTH CAROLINA, INC.**

4038 MASONBORO LOOP RD.  
WILMINGTON, NC 28409  
ENGINEERING LICENSE CERTIFICATE #: C-2331

REVISIONS	
No.	Description

Reference Files:	Designed by:	Checked by:
CENTRAL DARE COUNTY DREDGE MATERIAL MAINTENANCE PROJECT NON-FEDERAL CHANNELS DARE COUNTY, NORTH CAROLINA PLAN VIEW ADJACENT RIPARIAN PROPERTY OWNERS	AP	AP
	BR	BR
	FD	FD
	AS NOTED	AS NOTED

Drawn by:	Reviewed by:	Submitted by:
FD	BR	BR
Date:	Date:	Date:
9/9/2022	9/9/2022	9/9/2022
Project No.:	Project No.:	Project No.:
20220048	20220048	20220048

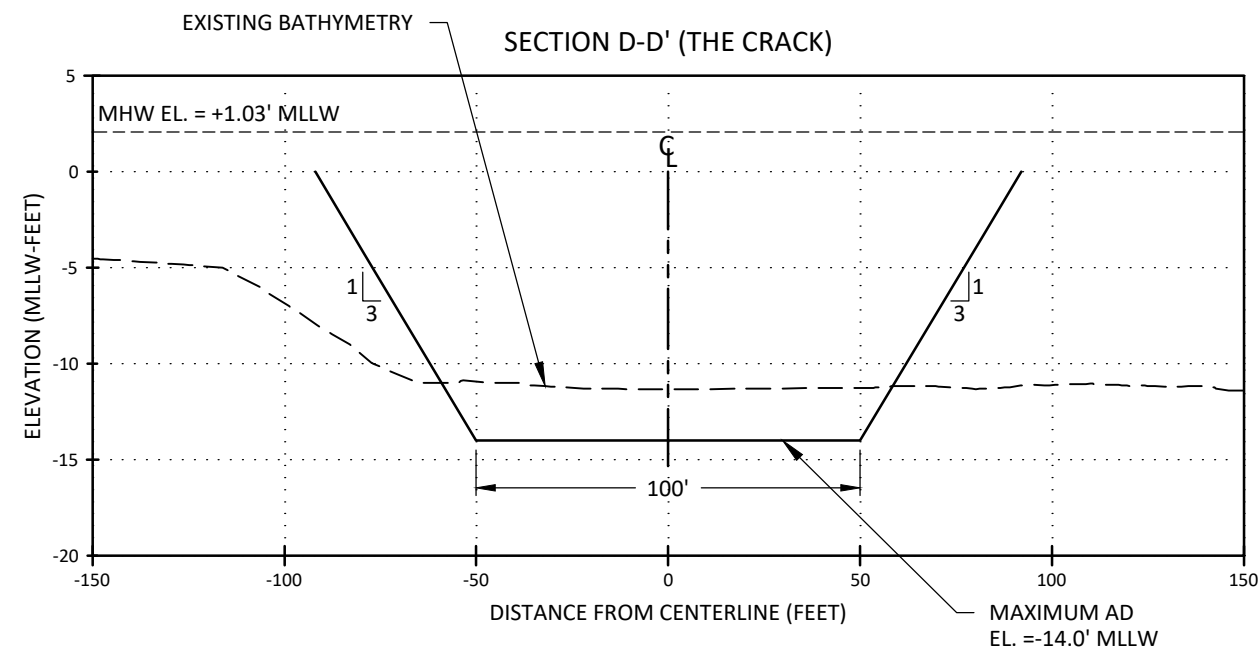
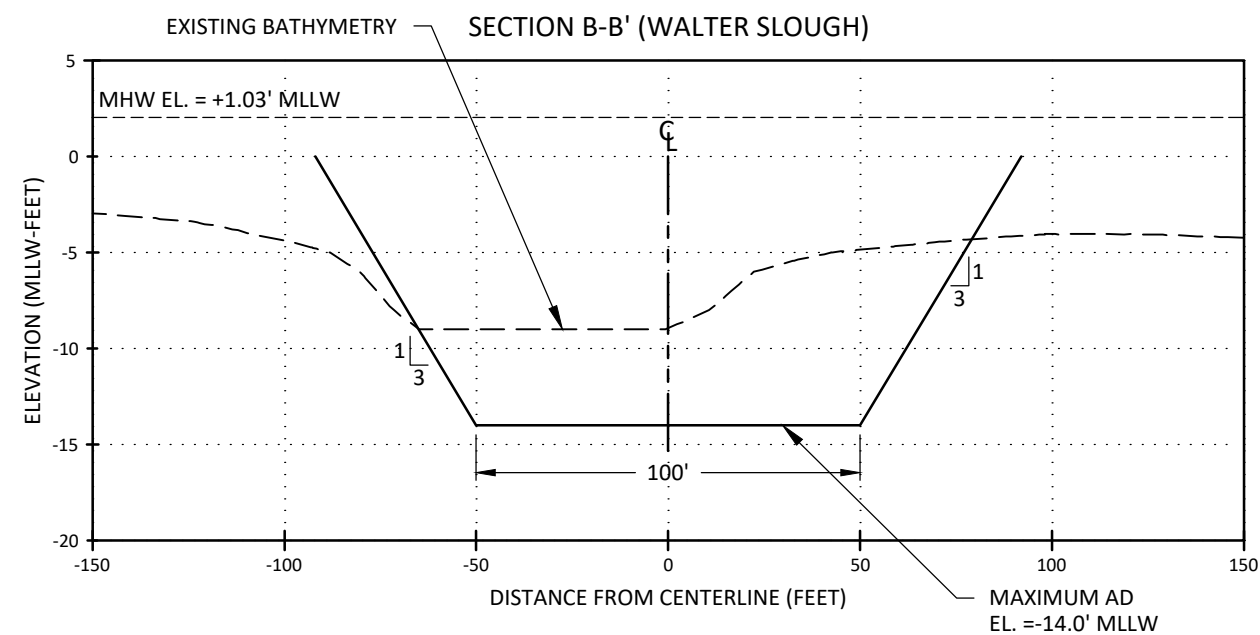
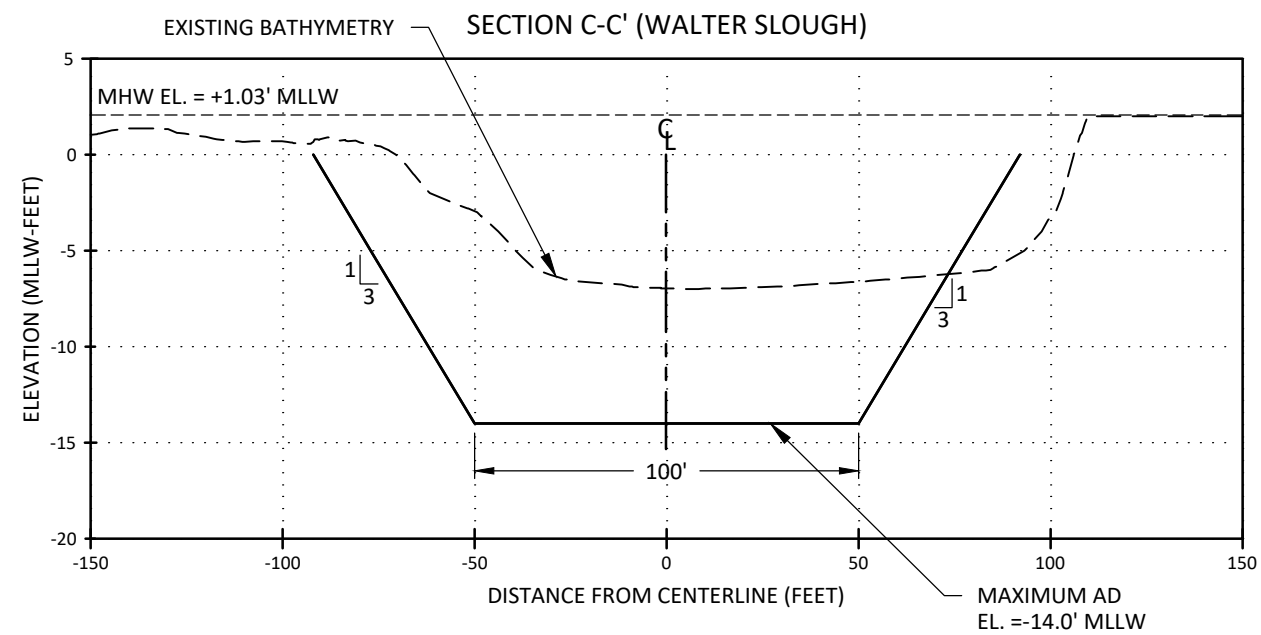
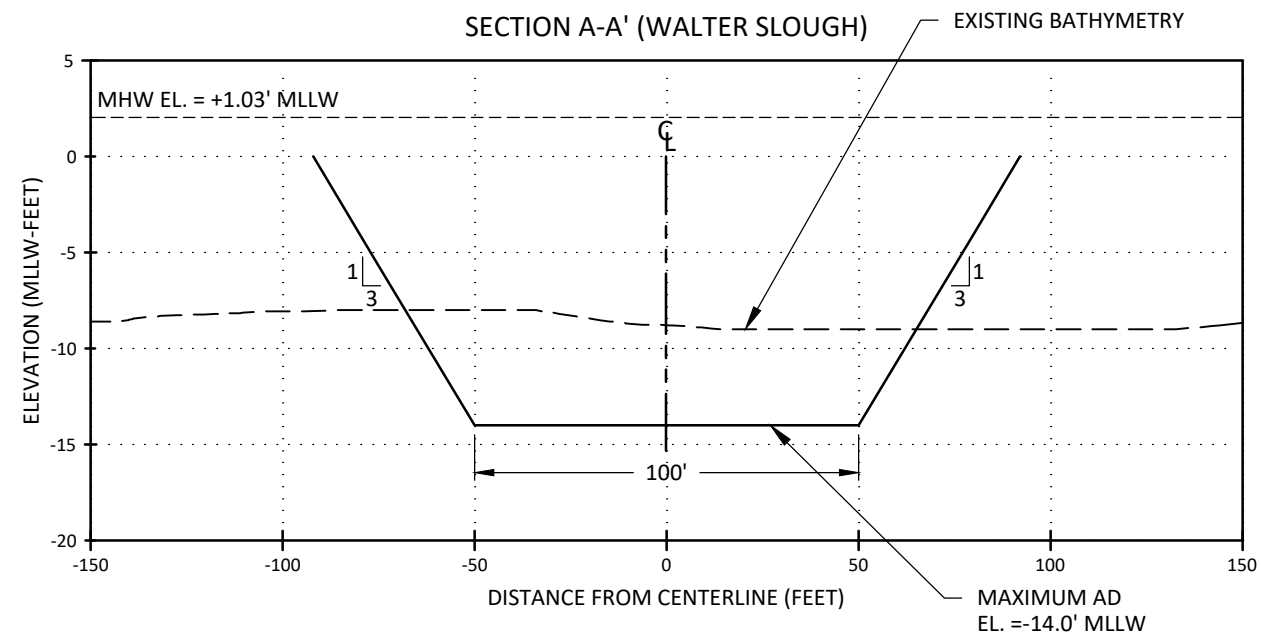
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**PV-7**

SHEET 8 OF 12



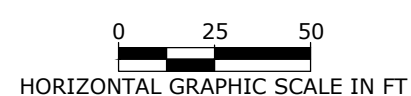
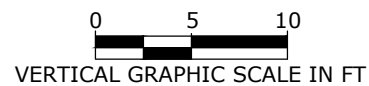
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**NOTE:**

- DATE OF BATHYMETRIC SURVEY SURROUNDING THE WALTER SLOUGH AND THE CRACK CORRIDOR COLLECTED BY THE US GEOLOGICAL SURVEY (USGS) COASTAL NATIONAL ELEVATION DATABASE (CONED) APPLICATIONS PROJECT. CONTOURS WERE DERIVED FROM THE USGS CONED DEM ACCESSED ON JULY 12, 2022.
- ELEVATIONS SHOWN HEREON ARE IN FEET REFERENCED TO MLLW.

NOT FOR CONSTRUCTION  
FOR REGULATORY REVIEW ONLY



COASTAL PROTECTION ENGINEERING  
OF NORTH CAROLINA, INC.

4038 MASONBORO LOOP RD.  
WILMINGTON, NC 28409

ENGINEERING LICENSE CERTIFICATE #: C-2331

PH. (910)399-1905

CENTRAL DARE COUNTY DREDGE MATERIAL  
MAINTENANCE PROJECT  
NON-FEDERAL CHANNELS  
DARE COUNTY, NORTH CAROLINA  
PROPOSED CHANNELS  
CROSS SECTIONS

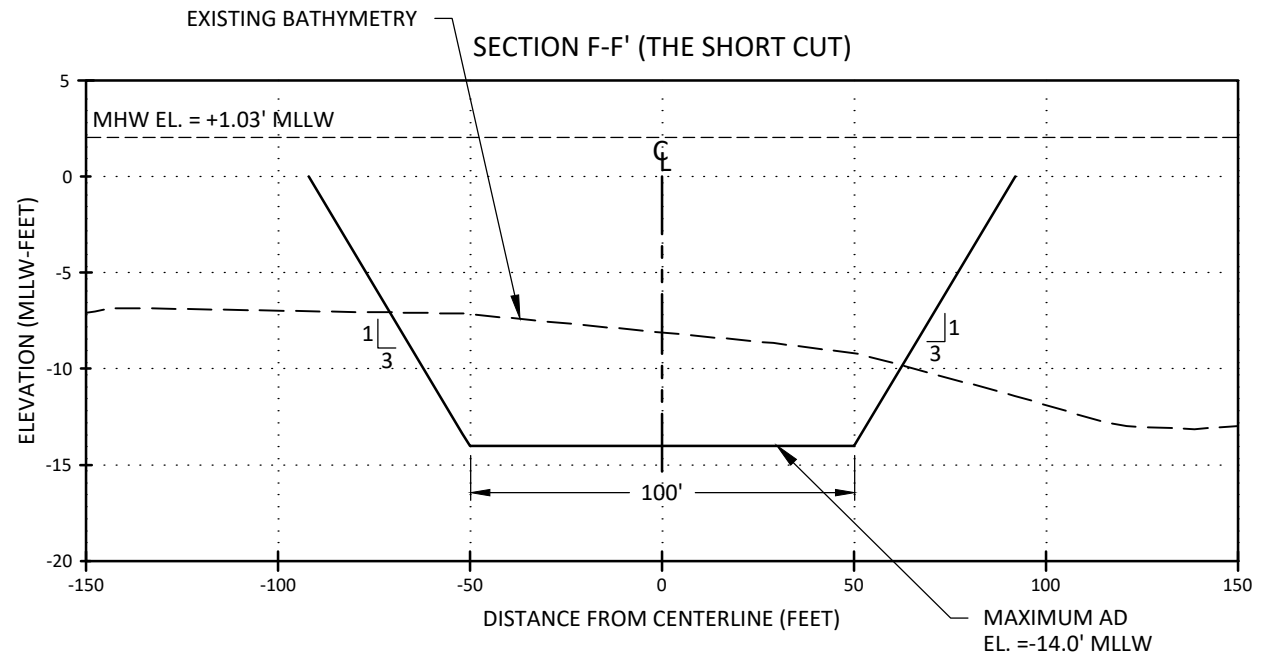
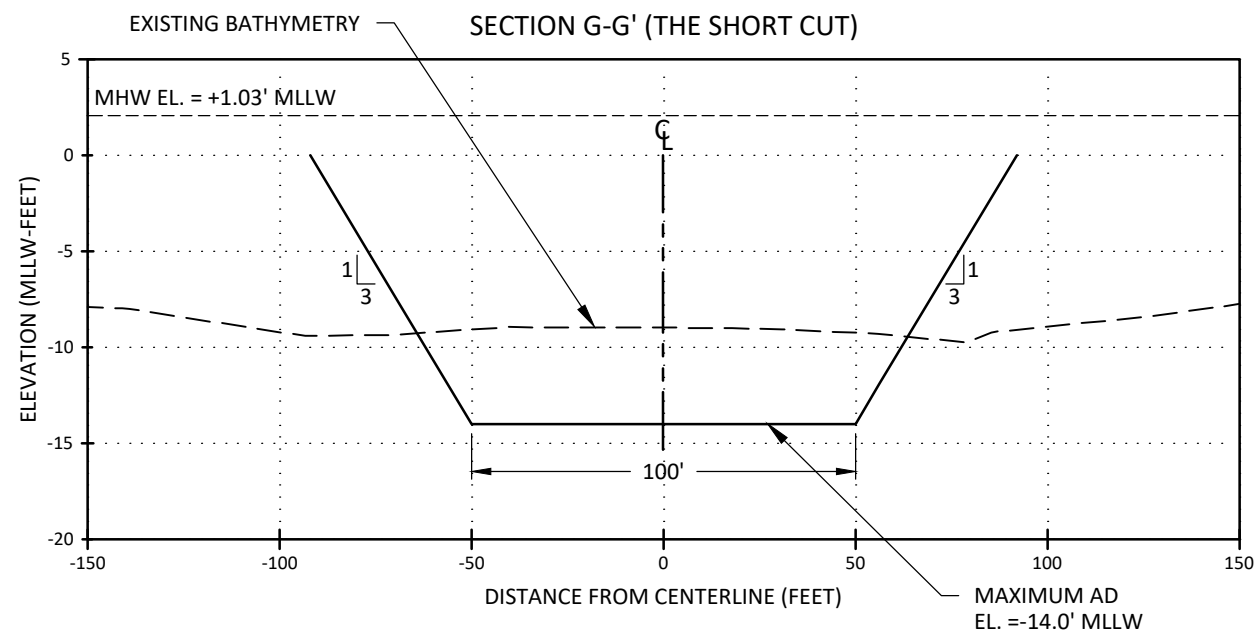
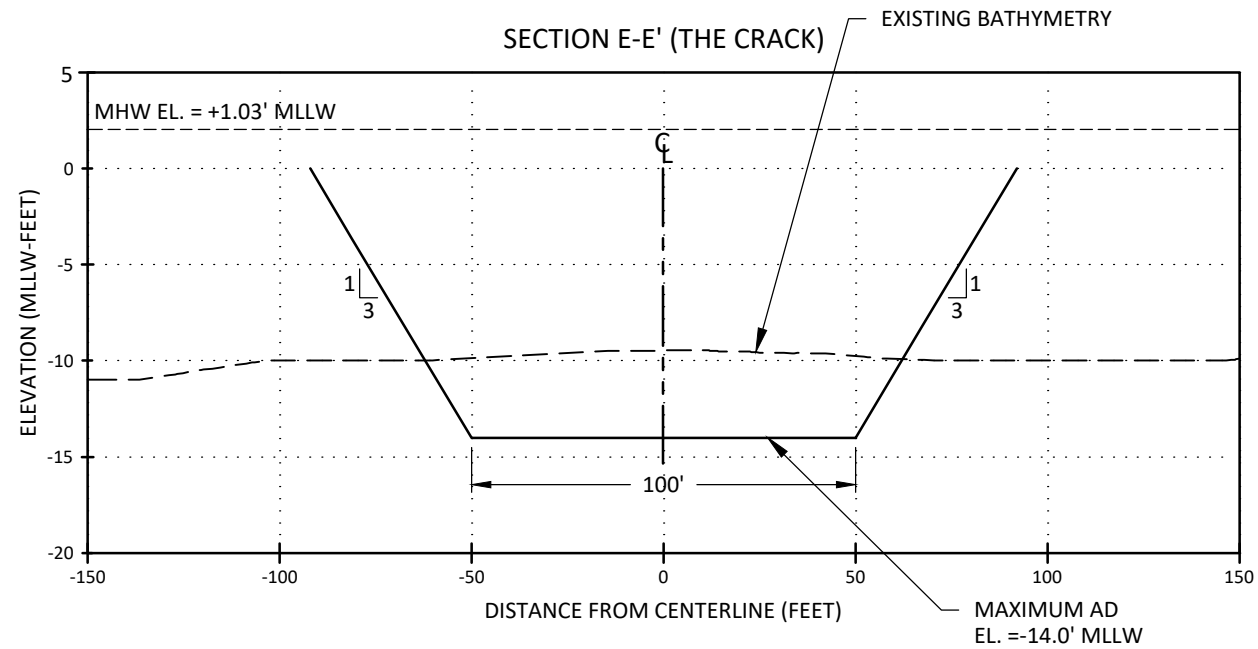
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XS-1

SHEET 9 OF 12



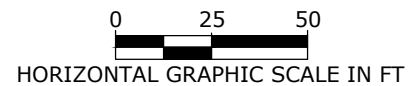
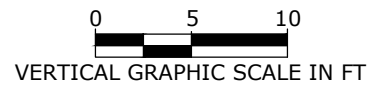
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**NOTE:**

1. DATE OF BATHYMETRIC SURVEY SURROUNDING THE WALTER SLOUGH AND THE CRACK CORRIDOR COLLECTED BY THE US GEOLOGICAL SURVEY (USGS) COASTAL NATIONAL ELEVATION DATABASE (CONED) APPLICATIONS PROJECT. CONTOURS WERE DERIVED FROM THE USGS CONED DEM ACCESSED ON JULY 12, 2022.
2. DATE OF BATHYMETRIC SURVEY ALONG OREGON INLET EAST OF BRIDGE SPIT AND WEST OF BRIDGE RANGE 1 IS MAY 17, 2022. SURVEYS WERE CONDUCTED BY USACE.
3. ELEVATIONS SHOWN HEREON ARE IN FEET REFERENCED TO MLLW.

**NOT FOR CONSTRUCTION  
FOR REGULATORY REVIEW ONLY**



**COASTAL PROTECTION ENGINEERING  
OF NORTH CAROLINA, INC.**

4038 MASONBORO LOOP RD.  
WILMINGTON, NC 28409

ENGINEERING LICENSE CERTIFICATE #: C-2331

PH. (910)399-1905

CENTRAL DARE COUNTY DREDGE MATERIAL  
MAINTENANCE PROJECT  
NON-FEDERAL CHANNELS  
DARE COUNTY, NORTH CAROLINA  
PROPOSED CHANNELS  
CROSS SECTIONS

DRAWING NO.

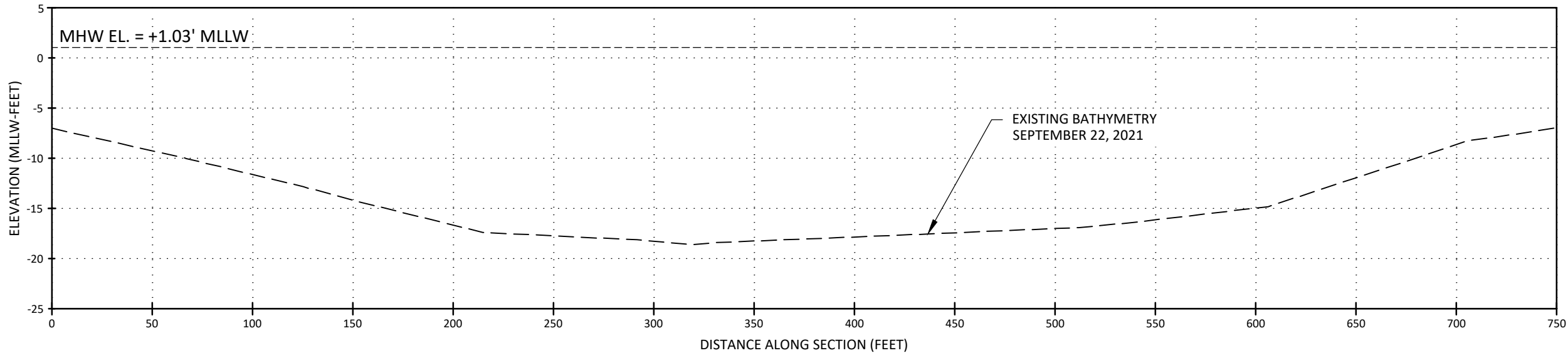
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SHEET 10 OF 12

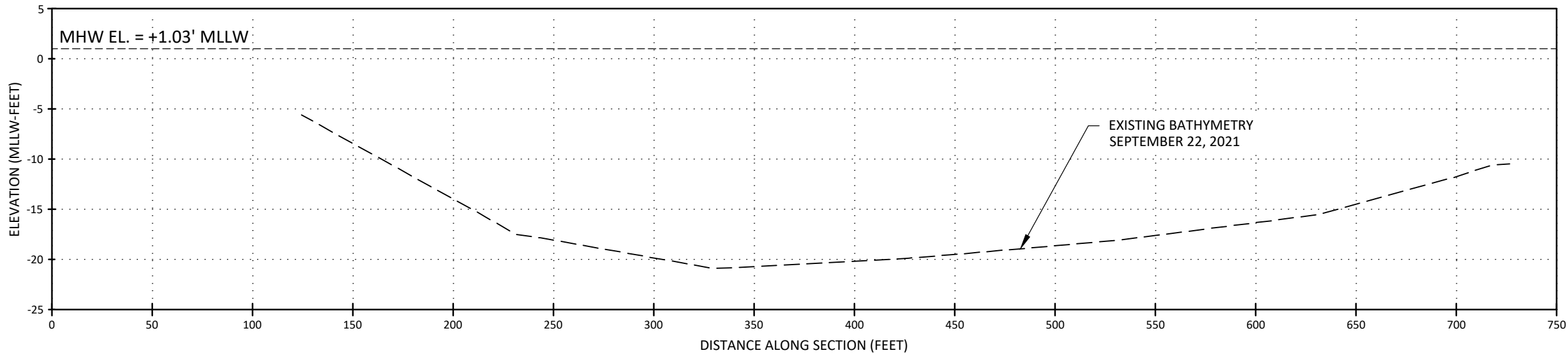


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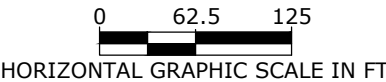
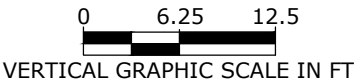
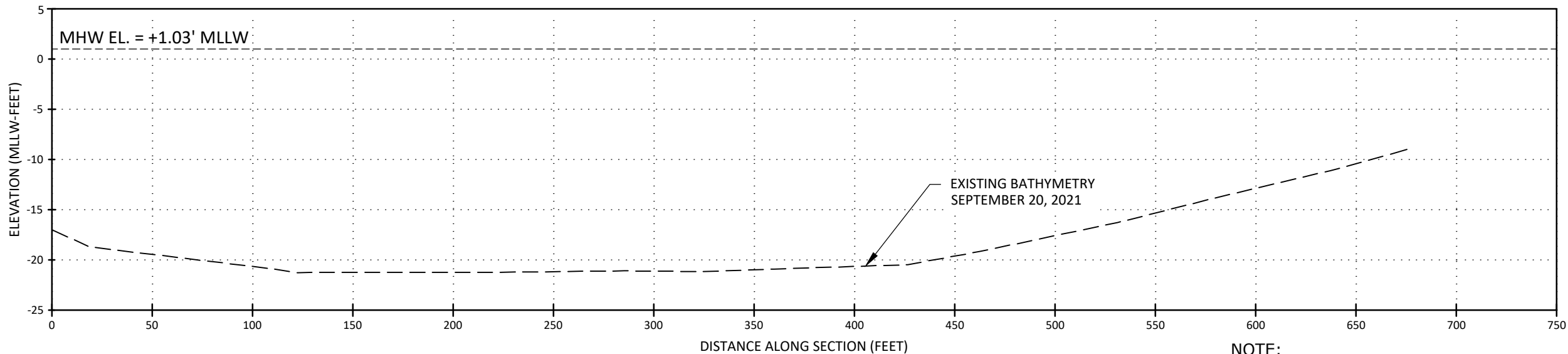
SECTION H-H' (DEEP SCOUR HOLE DISPOSAL CORRIDOR)



SECTION I-I' (DEEP SCOUR HOLE DISPOSAL CORRIDOR)



SECTION J-J' (DEEP SCOUR HOLE DISPOSAL CORRIDOR)



NOTE:

- DATES OF BATHYMETRIC SURVEY FOR OREGON INLET WEST RANGES 2-5 & RANGE 6 ARE SEPTEMBER 20 & 22, 2021. SURVEYS WERE CONDUCTED BY USACE.
- ELEVATIONS SHOWN HEREON ARE IN FEET REFERENCED TO MLLW.

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FOR REGULATORY REVIEW ONLY

COASTAL PROTECTION ENGINEERING  
OF NORTH CAROLINA, INC.

4038 MASONBORO LOOP RD.  
WILMINGTON, NC 28409  
ENGINEERING LICENSE CERTIFICATE #: C-2331

PH. (910)399-1905

REVISIONS	
No.	Description

Designed by:	Checked by:
AP	AP
Drawn by:	Reviewed by:
FD	BR
Date:	Submitted by:
9/9/2022	BR
Plot Scale:	Project No.:
AS NOTED	20220048

CENTRAL DARE COUNTY DREDGE MATERIAL  
MAINTENANCE PROJECT  
NON-FEDERAL CHANNELS  
DARE COUNTY, NORTH CAROLINA  
OREGON INLET WEST  
CROSS SECTIONS

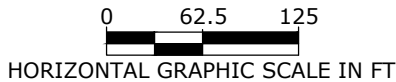
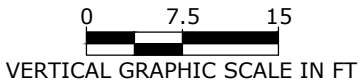
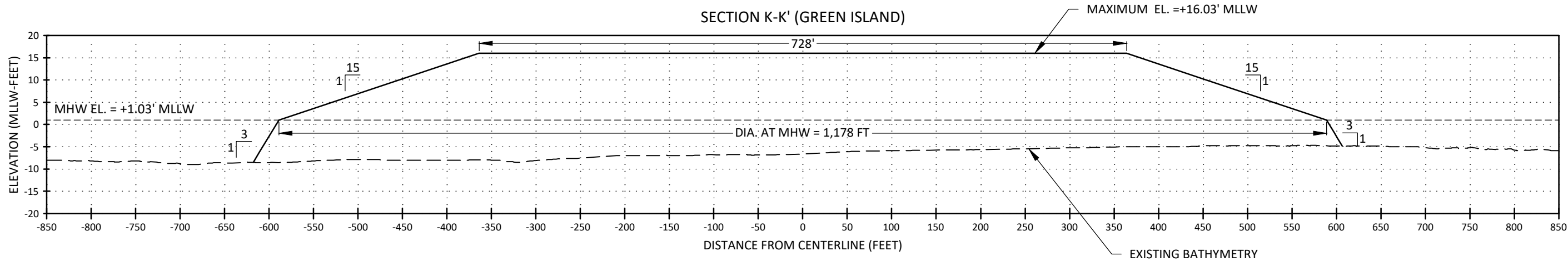
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SHEET 11 OF 12



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FOR REGULATORY REVIEW ONLY



NOTE:

- DATE OF BATHYMETRIC SURVEY FOR THE VICINITY OF GREEN ISLAND IS NOVEMBER 26, 2019 TO AUGUST 25, 2020. SURVEYS WERE CONDUCTED BY NV5 GEOSPATIAL.
- ELEVATIONS SHOWN HEREON ARE IN FEET REFERENCED TO MLLW.

CENTRAL DARE COUNTY DREDGE MATERIAL  
MAINTENANCE PROJECT  
NON-FEDERAL CHANNELS  
DARE COUNTY, NORTH CAROLINA  
RESTORED GREEN ISLAND  
CROSS SECTIONS

Reference Files:		Designed by:		Checked by:		REVISIONS	
AP		AP		AP			
FD		FD		BR			
9/9/2022		9/9/2022		BR			
AS NOTED		Project No.:		2020048			
				No.		Date	
						Description	

COASTAL PROTECTION ENGINEERING  
OF NORTH CAROLINA, INC.

4038 MASONBORO LOOP RD.  
WILMINGTON, NC 28409

ENGINEERING LICENSE CERTIFICATE #: C-2331

PH. (910)399-1905

DRAWING NO.

XS-4

SHEET 12 OF 12