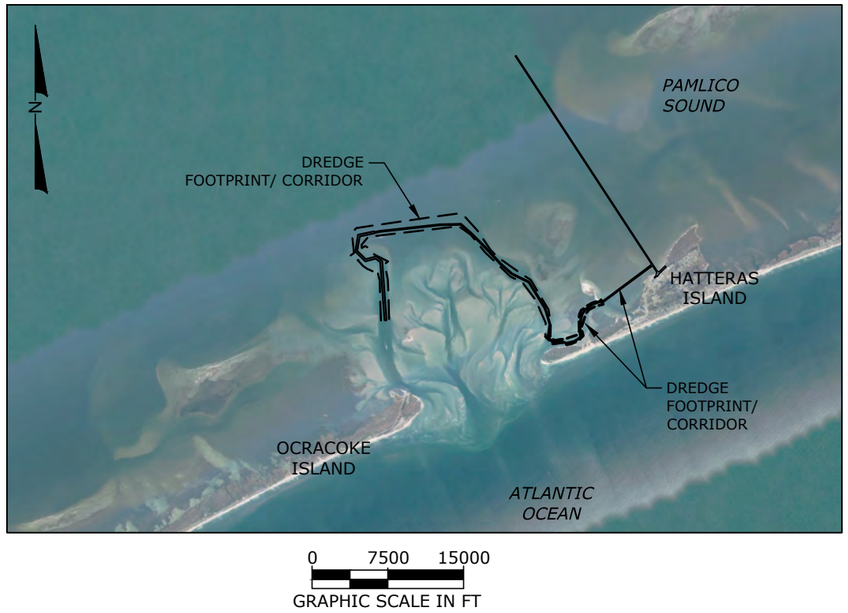
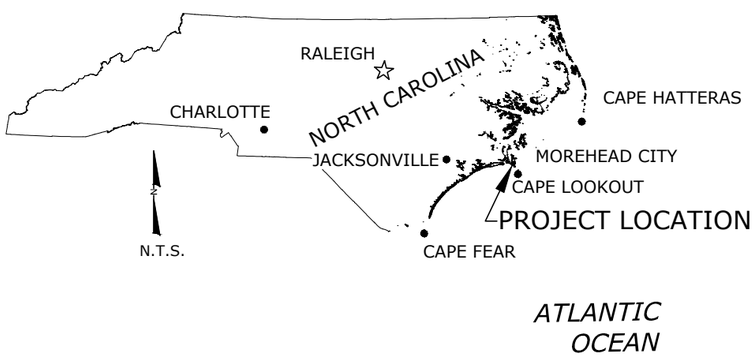
SOUTHERN DARE COUNTY CHANNEL MAINTENANCE AND DREDGED MATERIAL MANAGEMENT PROJECT

DARE COUNTY, NORTH CAROLINA





SHEET INDEX

1	COVER SHEET
2	OVERALL PLAN VIEW
3-23	PLAN VIEWS
24	ADJACENT PROPERTY OWNERS
25-28	PROPOSED CHANNELS 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 REFERENCED TO MEAN LOWER LOW WATER (MLLW)
3. DATE OF AERIAL PHOTOGRAPHY: [DATE].
4. SURVEY DATA COLLECTED BY THE USACE ALONG ROLLINSON CHANNEL ON SEPTEMBER 15, 2022 AND JANUARY 19, 2023.
5. SURVEY DATA COLLECTED BY THE USACE ALONG THE HATTERAS FERRY CHANNEL ON NOVEMBER 30, 2022 AND JANUARY 10, 2023.
6. SURVEY DATA COLLECTED BY THE USACE ALONG THE BARNEY SLOUGH CHANNEL ON SEPTEMBER 13 & 14, 2022.
7. SURVEY DATA COLLECTED BY THE USACE ALONG THE SLOOP CHANNEL ON JANUARY 10, 2023.
8. SURVEY DATA COLLECTED BY THE USACE BETWEEN THE SLOOP CHANNEL AND HATTERAS INLET OCEAN BAR ON MARCH 22, 2022.
9. SURVEY DATA COLLECTED BY THE USACE ALONG THE HATTERAS INLET OCEAN BAR ON APRIL 12, 2021.

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COASTAL PROTECTION ENGINEERING OF NORTH CAROLINA, INC.
4038 MANSBORO LOOP RD.
WILMINGTON, NC 28409
ENGINEERING LICENSE CERTIFICATE #: C-2331
PH. (910)399-1905

REVISIONS

No.	Date	Description

Designed by: AP
Checked by: AP
Drawn by: FD
Reviewed by: BR
Date: 5/31/2023
Submitted by: BR
Plot Scale: AS NOTED
Project No.: 2020049

SOUTHERN DARE COUNTY CHANNEL MAINTENANCE AND DREDGED MATERIAL MANAGEMENT PROJECT
DARE COUNTY, NORTH CAROLINA

COVER SHEET

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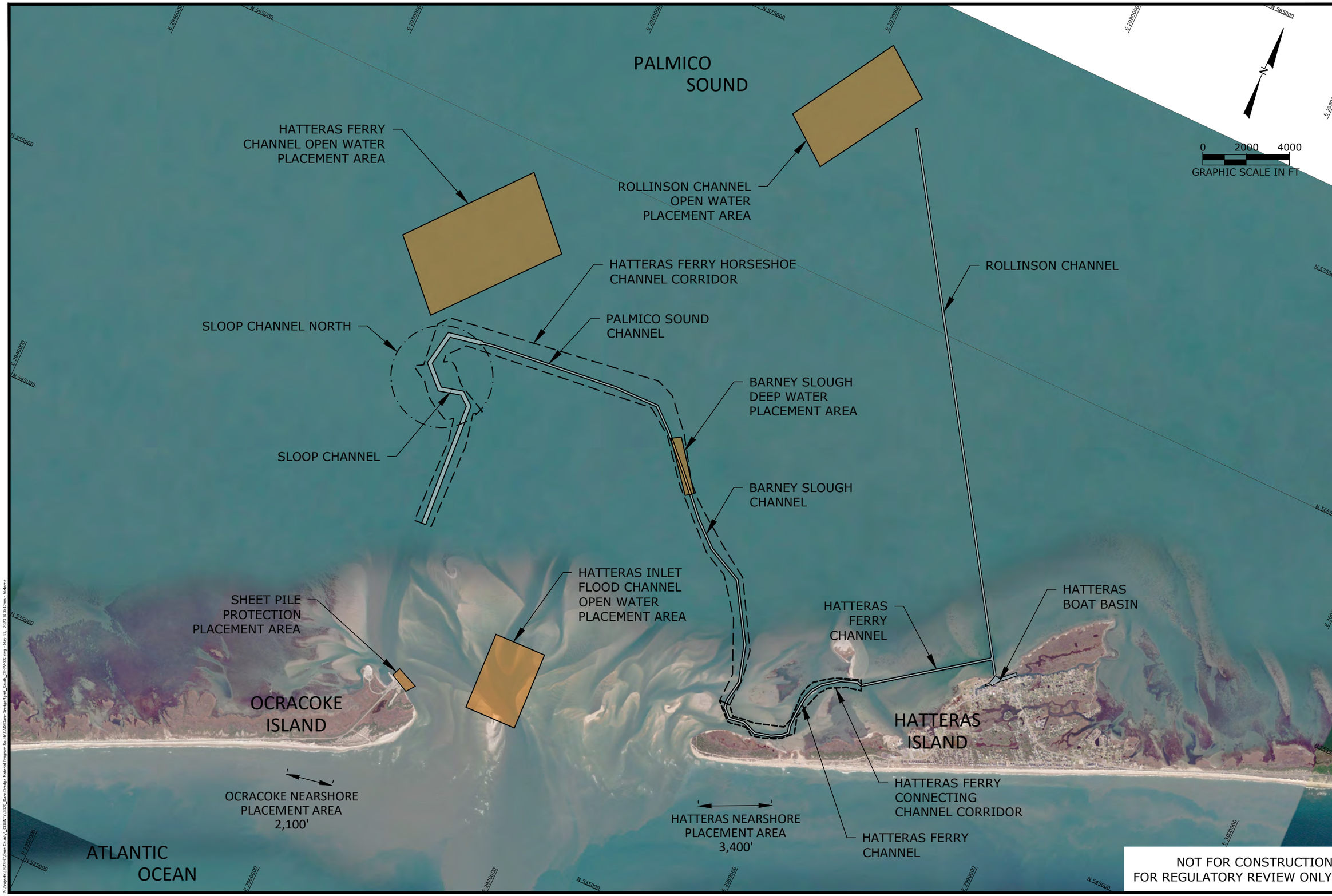

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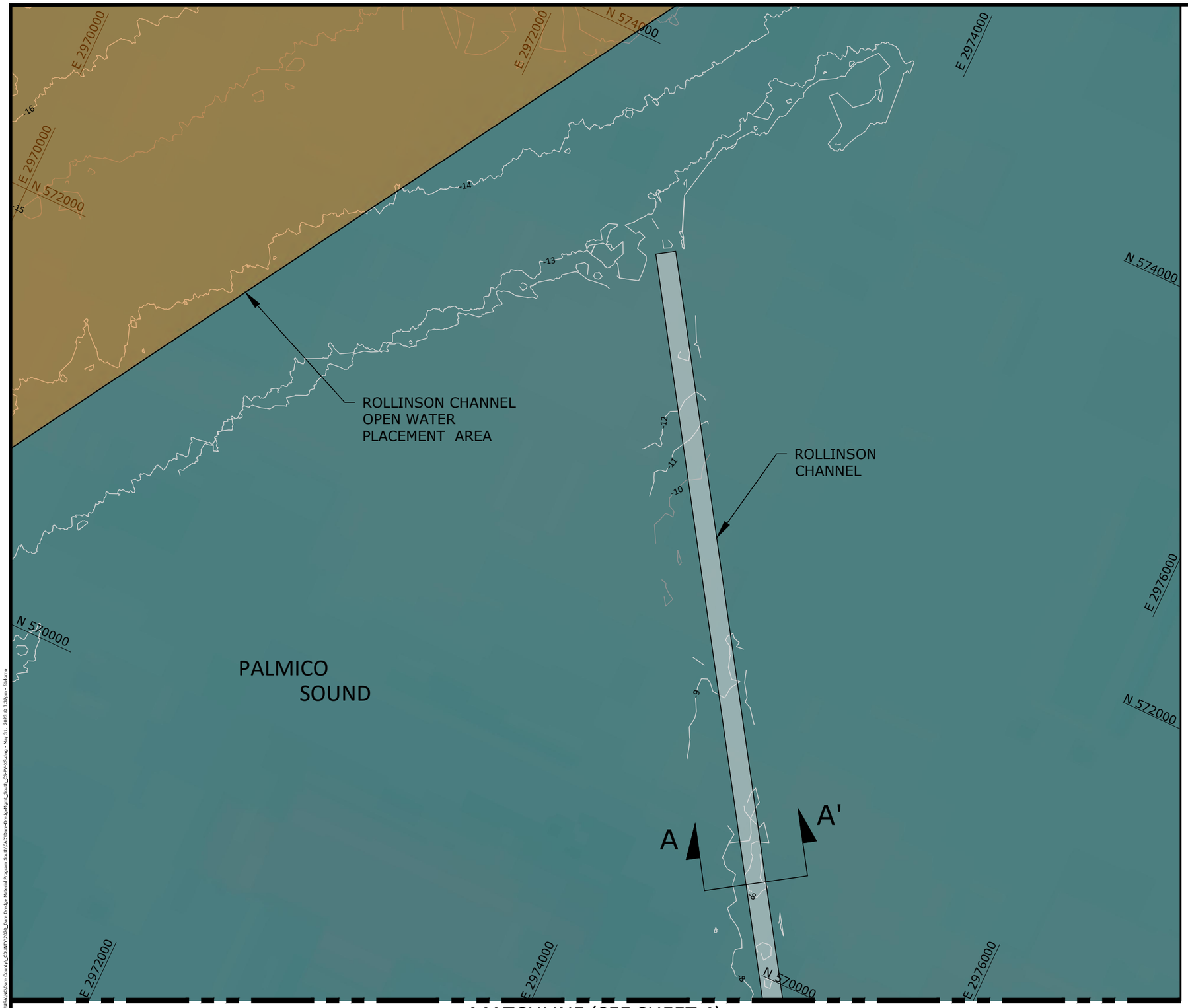
SOUTHERN DARE COUNTY CHANNEL MAINTENANCE AND DREDGED MATERIAL MANAGEMENT PROJECT
DARE COUNTY, NORTH CAROLINA

OVERALL PLAN VIEW

SHEET 2 OF 28

P:\Projects\USSAWC\Dare County_COUNTY\2020_Dare Dredge Material Program South\CAD\Dare-DredgeMgmt_South_C3-PV-VS.dwg - May 31, 2023 @ 3:42pm - fddemo



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GRAPHIC SCALE IN FT

LEGEND

SUBMERGED AQUATIC VEGETATION, 2019/2020

BENTHIC HABITAT CONTAINING SHELL

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SOUTHERN DARE COUNTY CHANNEL MAINTENANCE AND DREDGED MATERIAL MANAGEMENT PROJECT
DARE COUNTY, NORTH CAROLINA

PLAN VIEW
ROLLINSON CHANNEL

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MATCHLINE (SEE SHEET 3)

MATCHLINE (SEE SHEET 5)

N

0 250 500
GRAPHIC SCALE IN FT

LEGEND

SUBMERGED AQUATIC VEGETATION, 2019/2020

BENTHIC HABITAT CONTAINING SHELL

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SOUTHERN DARE COUNTY CHANNEL MAINTENANCE AND DREDGED MATERIAL MANAGEMENT PROJECT
DARE COUNTY, NORTH CAROLINA

PLAN VIEW
ROLLINSON CHANNEL

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MATCHLINE (SEE SHEET 4)

MATCHLINE (SEE SHEET 6)

N

0 250 500

GRAPHIC SCALE IN FT

LEGEND

SUBMERGED AQUATIC VEGETATION, 2019/2020

BENTHIC HABITAT CONTAINING SHELL

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SOUTHERN DARE COUNTY CHANNEL MAINTENANCE AND DREDGED MATERIAL MANAGEMENT PROJECT
DARE COUNTY, NORTH CAROLINA

PLAN VIEW
ROLLINSON CHANNEL

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MATCHLINE (SEE SHEET 5)

MATCHLINE (SEE SHEET 7)

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GRAPHIC SCALE IN FT

LEGEND

SUBMERGED AQUATIC VEGETATION, 2019/2020

BENTHIC HABITAT CONTAINING SHELL

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SOUTHERN DARE COUNTY CHANNEL MAINTENANCE AND DREDGED MATERIAL MANAGEMENT PROJECT
DARE COUNTY, NORTH CAROLINA

PLAN VIEW
ROLLINSON CHANNEL

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MATCHLINE (SEE SHEET 6)

MATCHLINE (SEE SHEET 8)

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GRAPHIC SCALE IN FT

LEGEND

SUBMERGED AQUATIC VEGETATION, 2019/2020

BENTHIC HABITAT CONTAINING SHELL

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SOUTHERN DARE COUNTY CHANNEL MAINTENANCE AND DREDGED MATERIAL MANAGEMENT PROJECT
DARE COUNTY, NORTH CAROLINA

PLAN VIEW
ROLLINSON CHANNEL

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MATCHLINE (SEE SHEET 7)

MATCHLINE (SEE SHEET 9)

N

0 250 500

GRAPHIC SCALE IN FT

LEGEND

SUBMERGED AQUATIC VEGETATION, 2019/2020

BENTHIC HABITAT CONTAINING SHELL

NOTES:

1. CHANNELS WITHIN PROPOSED DREDGE CORRIDORS ARE NOT FIXED AND RATHER FOLLOWS DEEP WATER AT TIME OF MAINTENANCE.

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SOUTHERN DARE COUNTY CHANNEL MAINTENANCE AND DREDGED MATERIAL MANAGEMENT PROJECT
DARE COUNTY, NORTH CAROLINA

PLAN VIEW
ROLLINSON CHANNEL TO HATTERAS FERRY CHANNEL

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GRAPHIC SCALE IN FT

LEGEND

SUBMERGED AQUATIC VEGETATION, 2019/2020

BENTHIC HABITAT CONTAINING SHELL

NOTES:

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SOUTHERN DARE COUNTY CHANNEL MAINTENANCE AND DREDGED MATERIAL MANAGEMENT PROJECT
DARE COUNTY, NORTH CAROLINA

PLAN VIEW
HATTERAS FERRY CHANNEL

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GRAPHIC SCALE IN FT

LEGEND

SUBMERGED AQUATIC VEGETATION, 2019/2020

BENTHIC HABITAT CONTAINING SHELL

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SOUTHERN DARE COUNTY CHANNEL MAINTENANCE AND DREDGED MATERIAL MANAGEMENT PROJECT
DARE COUNTY, NORTH CAROLINA
PLAN VIEW
HATTERAS FERRY CHANNEL TO BARNEY SLOUGH CHANNEL

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MATCHLINE (SEE SHEET 12)

MATCHLINE (SEE SHEET 10)

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GRAPHIC SCALE IN FT

LEGEND

SUBMERGED AQUATIC VEGETATION, 2019/2020

BENTHIC HABITAT CONTAINING SHELL

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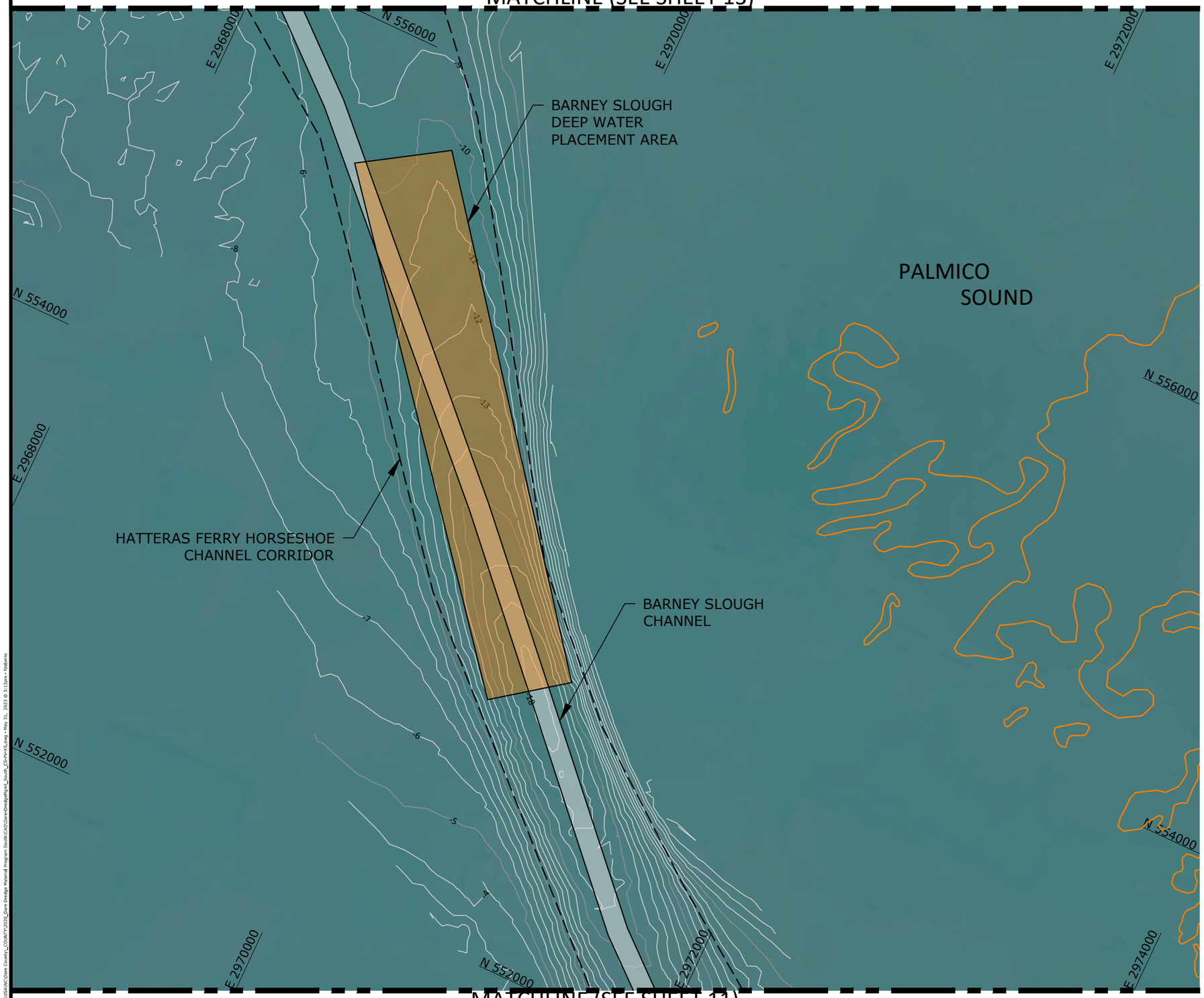
Project No. 2020049

SOUTHERN DARE COUNTY CHANNEL MAINTENANCE AND DREDGED MATERIAL MANAGEMENT PROJECT
DARE COUNTY, NORTH CAROLINA

PLAN VIEW
BARNEY SLOUGH CHANNEL

P:\Projects\USA\NC\Dare County_COUNTY\2020_Dare Dredge Material Program South\CAD\DareDredgeMgmt_South_Co-Pro-V.5.dwg • May 31, 2023 @ 3:14pm • fedarno

MATCHLINE (SEE SHEET 13)



MATCHLINE (SEE SHEET 11)

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GRAPHIC SCALE IN FT

LEGEND

SUBMERGED AQUATIC VEGETATION, 2019/2020

BENTHIC HABITAT CONTAINING SHELL

NOTES:

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Project No: 2020049

SOUTHERN DARE COUNTY CHANNEL MAINTENANCE AND DREDGED MATERIAL MANAGEMENT PROJECT
DARE COUNTY, NORTH CAROLINA
PLAN VIEW
BARNEY SLOUGH CHANNEL

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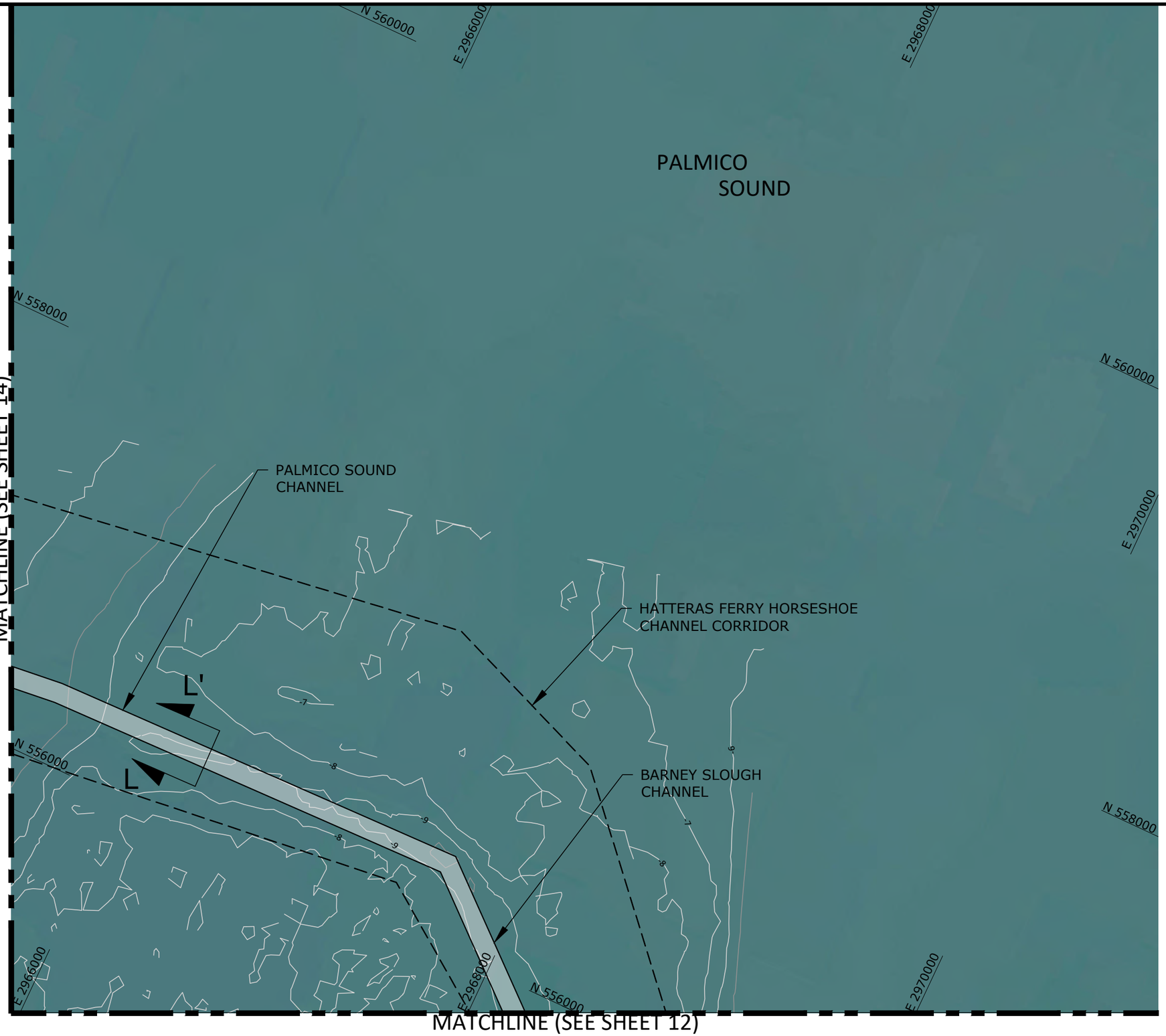

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GRAPHIC SCALE IN FT

LEGEND

SUBMERGED AQUATIC VEGETATION, 2019/2020

BENTHIC HABITAT CONTAINING SHELL

NOTES:

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SOUTHERN DARE COUNTY CHANNEL MAINTENANCE AND DREDGED MATERIAL MANAGEMENT PROJECT
DARE COUNTY, NORTH CAROLINA

PLAN VIEW
BARNEY SLOUGH CHANNEL TO PALMICO SOUND CHANNEL

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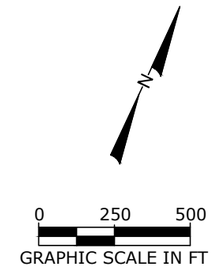

LEGEND

- SUBMERGED AQUATIC VEGETATION, 2019/2020
- BENTHIC HABITAT CONTAINING SHELL

NOTES:

1. CHANNELS WITHIN PROPOSED DREDGE CORRIDORS ARE NOT FIXED AND RATHER FOLLOWS DEEP WATER AT TIME OF MAINTENANCE.

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SOUTHERN DARE COUNTY CHANNEL MAINTENANCE AND DREDGED MATERIAL MANAGEMENT PROJECT
DARE COUNTY, NORTH CAROLINA

PLAN VIEW
PALMICO SOUND CHANNEL

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GRAPHIC SCALE IN FT

LEGEND

SUBMERGED AQUATIC VEGETATION, 2019/2020

BENTHIC HABITAT CONTAINING SHELL

NOTES:

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SOUTHERN DARE COUNTY CHANNEL MAINTENANCE AND DREDGED MATERIAL MANAGEMENT PROJECT
DARE COUNTY, NORTH CAROLINA

PLAN VIEW
SLOOP CHANNEL

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MATCHLINE (SEE SHEET 15)

0 250 500
GRAPHIC SCALE IN FT

LEGEND

SUBMERGED AQUATIC VEGETATION, 2019/2020

BENTHIC HABITAT CONTAINING SHELL

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SOUTHERN DARE COUNTY CHANNEL MAINTENANCE AND DREDGED MATERIAL MANAGEMENT PROJECT
DARE COUNTY, NORTH CAROLINA

PLAN VIEW
SLOOP CHANNEL

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GRAPHIC SCALE IN FT

LEGEND

SUBMERGED AQUATIC VEGETATION, 2019/2020

BENTHIC HABITAT CONTAINING SHELL

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SOUTHERN DARE COUNTY CHANNEL MAINTENANCE AND DREDGED MATERIAL MANAGEMENT PROJECT
DARE COUNTY, NORTH CAROLINA

PLAN VIEW
SHEET PILE PROTECTION PLACEMENT AREA

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SOUTHERN DARE COUNTY CHANNEL MAINTENANCE AND DREDGED MATERIAL MANAGEMENT PROJECT
DARE COUNTY, NORTH CAROLINA

PLAN VIEW
OCRACOKE NEARSHORE DISPOSAL PLACEMENT AREA

P:\Projects\USACE\NC\Dare County_COUNTY\2020_Dare Dredge Material Program South\CAD\DareDredgeFigure_South_C5-PV-V5.dwg - May 31, 2023 @ 3:00pm - fdaferro

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SOUTHERN DARE COUNTY CHANNEL MAINTENANCE AND DREDGED MATERIAL MANAGEMENT PROJECT
DARE COUNTY, NORTH CAROLINA

PLAN VIEW
HATTERAS ISLAND NEARSHORE DISPOSAL PLACEMENT AREA

SHEET 19 OF 28

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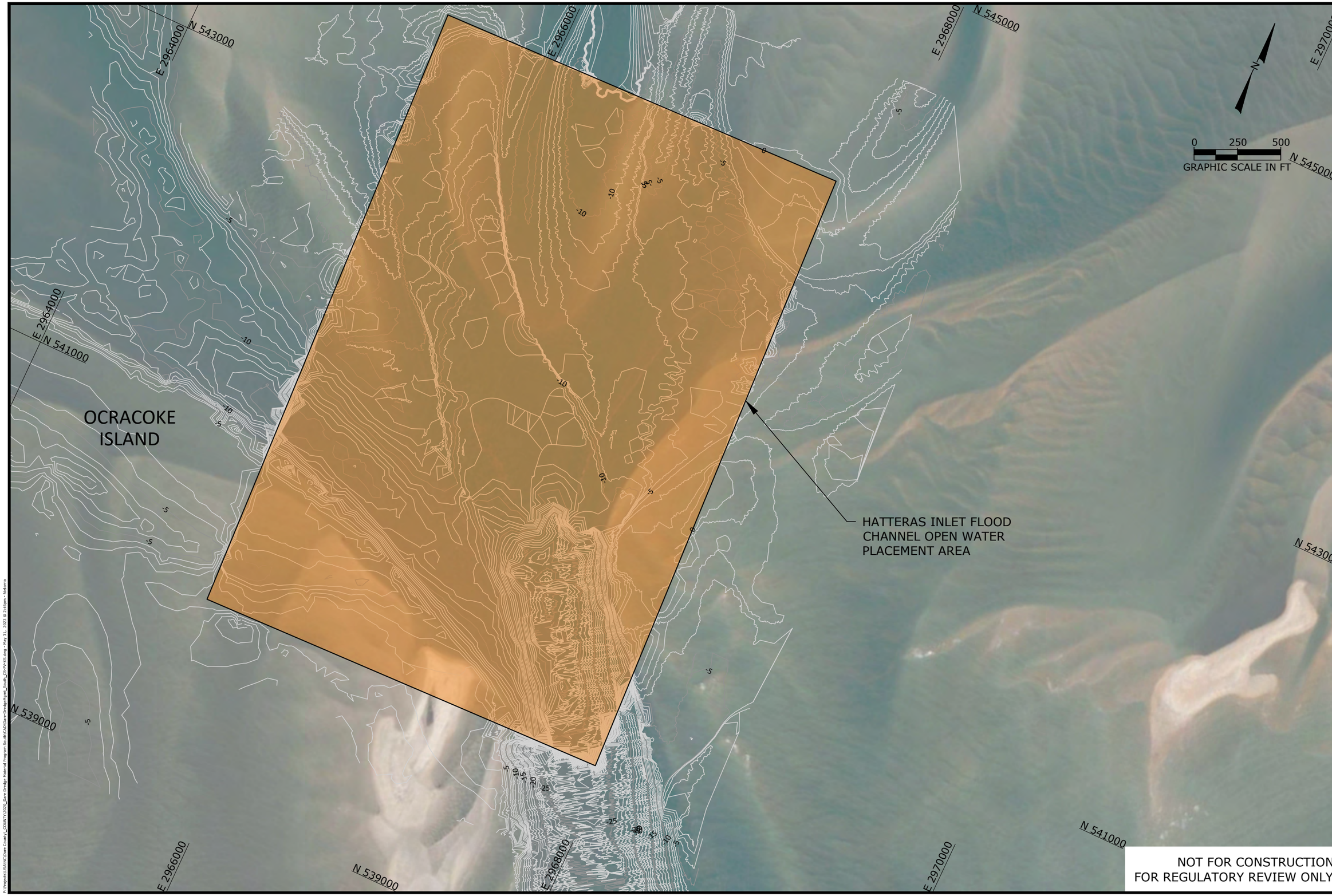

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COASTAL PROTECTION ENGINEERING OF NORTH CAROLINA, INC.

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

REVISIONS

No.	Date	Description

Designed by: AP	Checked by: AP
Drawn by: FD	Reviewed by: BR
Date: 5/31/2023	Submitted by: BR
Plot Scale: AS NOTED	Project No: 2020049

SOUTHERN DARE COUNTY CHANNEL MAINTENANCE AND DREDGED MATERIAL MANAGEMENT PROJECT
DARE COUNTY, NORTH CAROLINA

PLAN VIEW
HATTERAS INLET FLOOD CHANNEL
OPEN WATER DISPOSAL AREA

SHEET
20
OF 28

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SOUTHERN DARE COUNTY CHANNEL MAINTENANCE
AND DREDGED MATERIAL MANAGEMENT PROJECT
DARE COUNTY, NORTH CAROLINA

PLAN VIEW
BARNEY SLOUGH DEEP WATER
DISPOSAL AREA

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PALMICO SOUND

HATTERAS FERRY CHANNEL OPEN WATER PLACEMENT AREA

HATTERAS FERRY HORSESHOE CHANNEL CORRIDOR

PALMICO SOUND CHANNEL

SLOOP CHANNEL NORTH

0 500 1000
GRAPHIC SCALE IN FT

N

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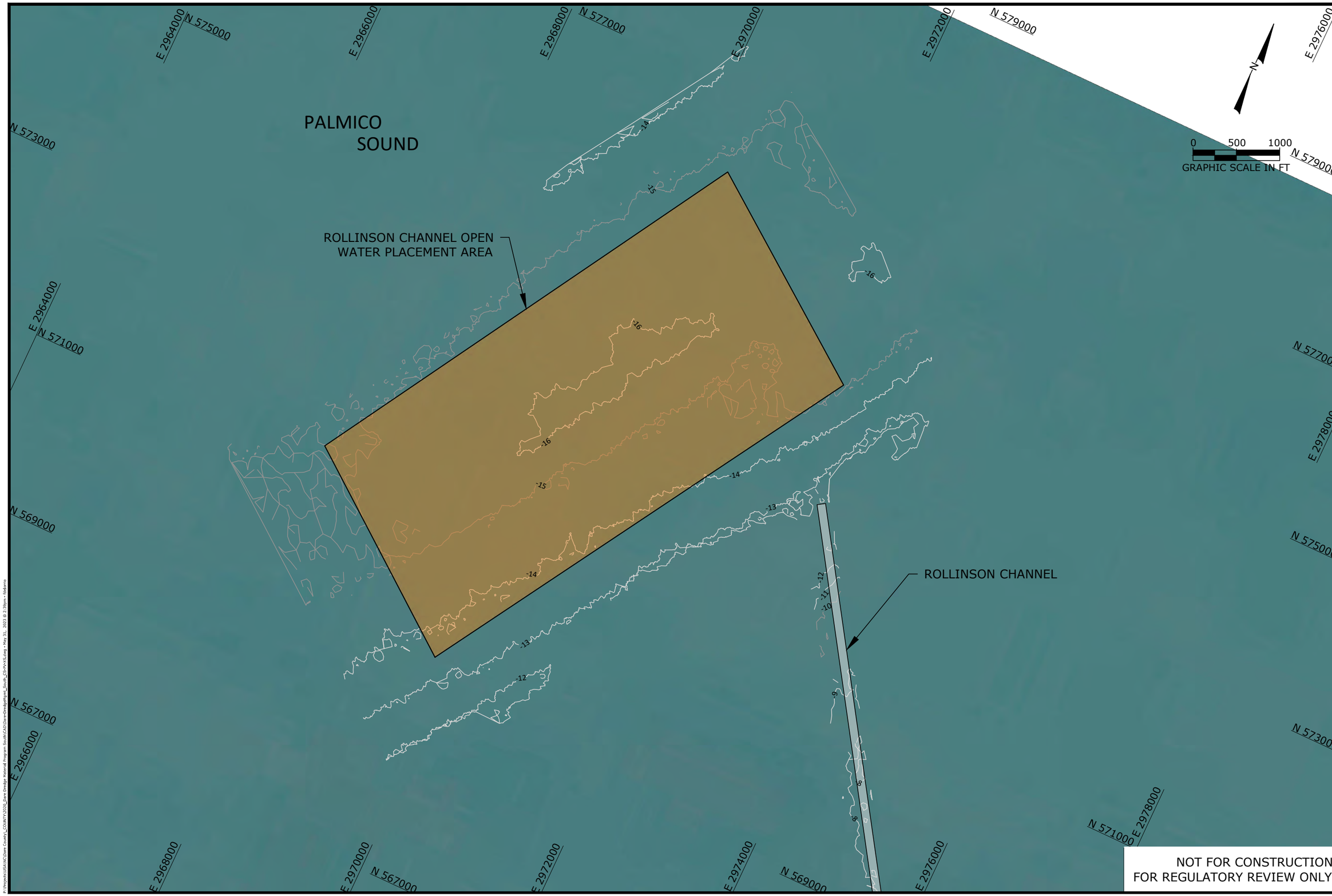
SOUTHERN DARE COUNTY CHANNEL MAINTENANCE AND DREDGED MATERIAL MANAGEMENT PROJECT
DARE COUNTY, NORTH CAROLINA

PLAN VIEW
HATTERAS FERRY CHANNEL OPEN WATER DISPOSAL AREA



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SOUTHERN DARE COUNTY CHANNEL MAINTENANCE
AND DREDGED MATERIAL MANAGEMENT PROJECT
DARE COUNTY, NORTH CAROLINA

PLAN VIEW
ROLLINSON CHANNEL OPEN WATER
DISPOSAL AREA

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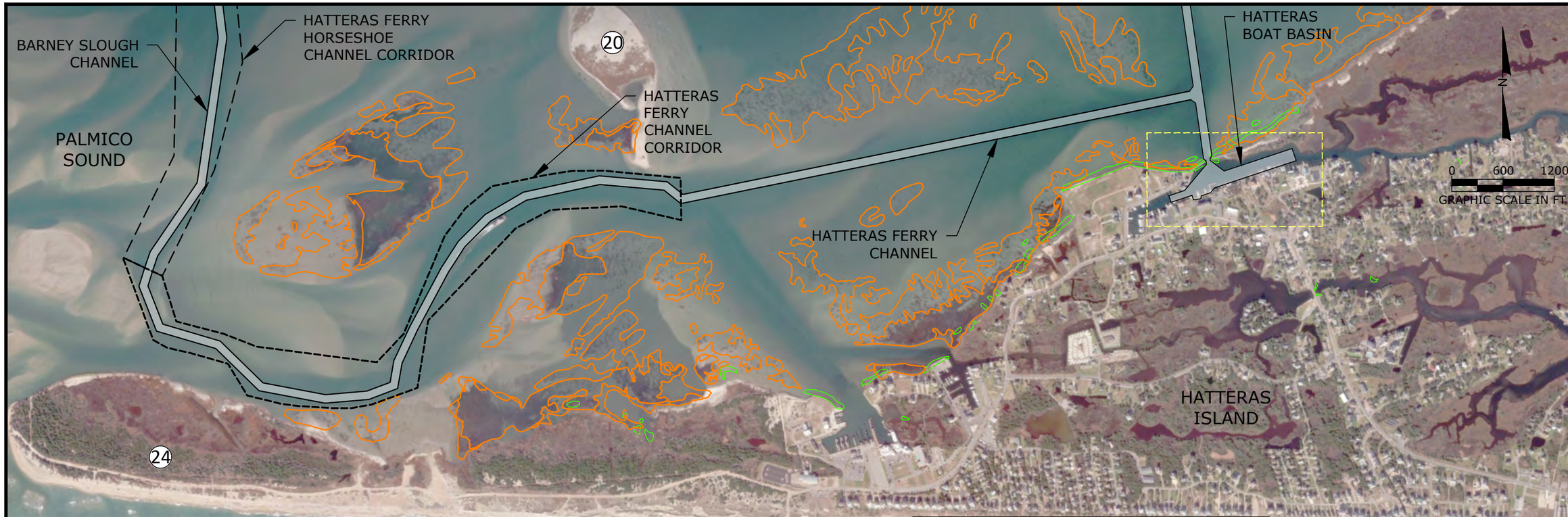

Number	Adjacent Riparian Property Owner(s)
1	Ann H. and Warner B. Perry
2	Fiji Brothers, Llc
3	Village Marina, LLC
4	Village Marina Llc
5	Village Marina Llc
6	Mildred Marlnene Willis Burrus
7	Mildred Marlnene Willis Burrus
8	Oden Brothers, Inc.
9	Oden Brothers, Inc.
10	Nedo, Inc.
11	Land Creature, LLC
12	Gaston L Foster, Jr.
13	Joseph G. Jr. and Josephine J. Farrow
14	Kala Marie Balance
15	Desmond R. Foster, Jr.
16	Fred B. Austin
17	Anthony Warren Simmons
18	Hatteras Marlin Club, Inc.
19	Richard A. Midgett
20	North Carolina State Property Office
21	Brian Walden
22	George C. Powell
23	Dawn Marie M. and Gregory A. Judy
24	Cape Hatteras National Seashore
N/A	NC DOT

LEGEND

SUBMERGED AQUATIC VEGETATION, 2019-2020

BENTHIC HABITAT CONTAINING SHELL

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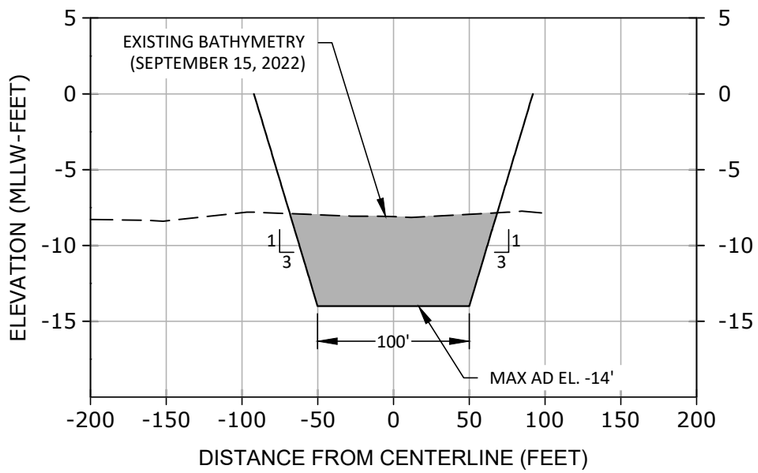
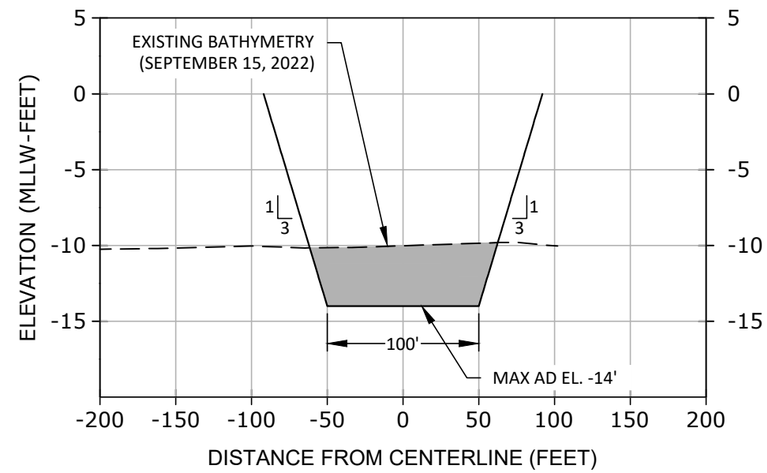
SOUTHERN DARE COUNTY CHANNEL MAINTENANCE AND DREDGED MATERIAL MANAGEMENT PROJECT
DARE COUNTY, NORTH CAROLINA

ADJACENT PROPERTY OWNERS

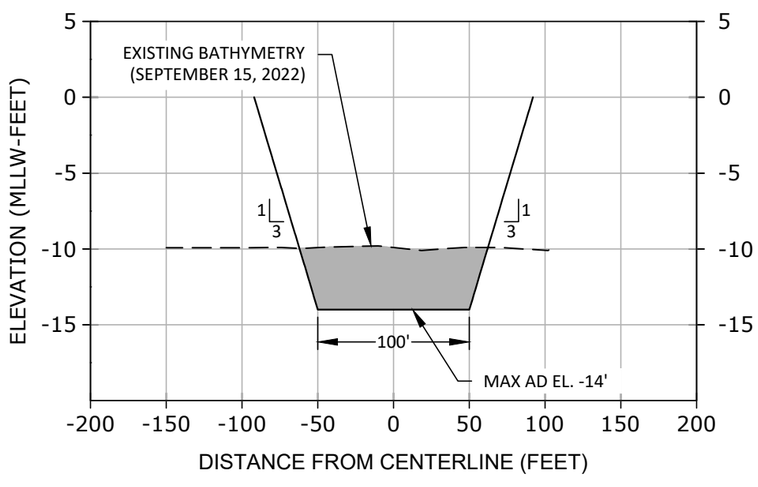
CROSS SECTION A-A'



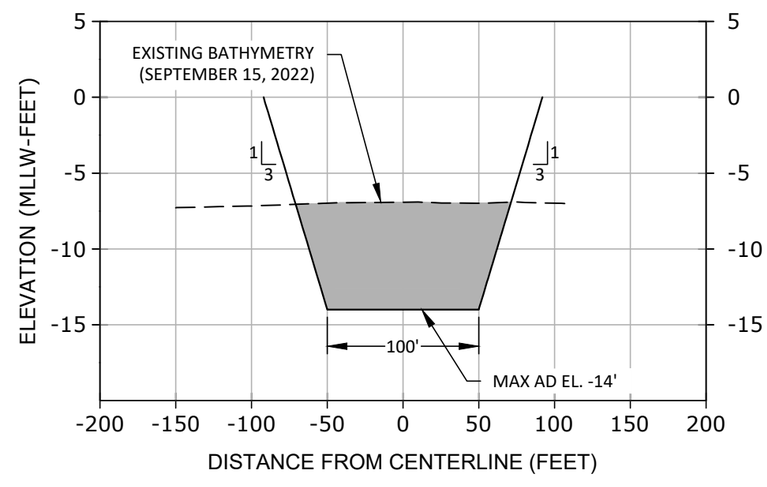
CROSS SECTION B-B'



CROSS SECTION C-C'



CROSS SECTION D-D'



NOTE:

1. ELEVATIONS SHOWN HEREON ARE IN FEET REFERENCED TO MLLW.

0 5 10
VERTICAL GRAPHIC SCALE IN FT

0 50 100
HORIZONTAL GRAPHIC SCALE IN FT

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SOUTHERN DARE COUNTY CHANNEL MAINTENANCE AND DREDGED MATERIAL MANAGEMENT PROJECT
DARE COUNTY, NORTH CAROLINA

PROPOSED CHANNELS
CROSS SECTIONS

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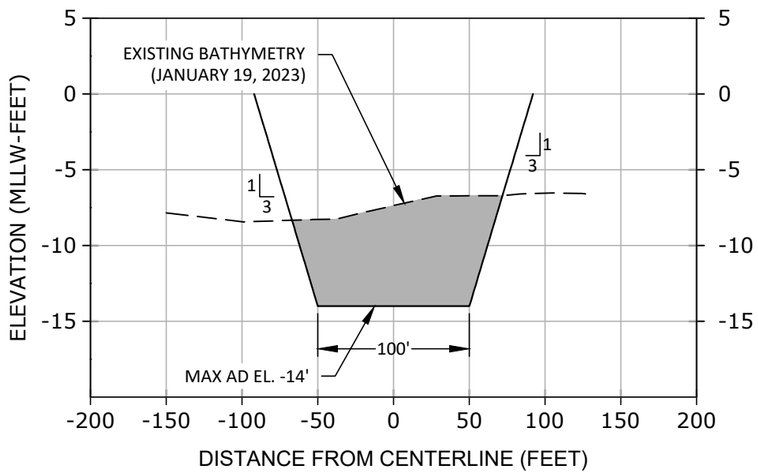
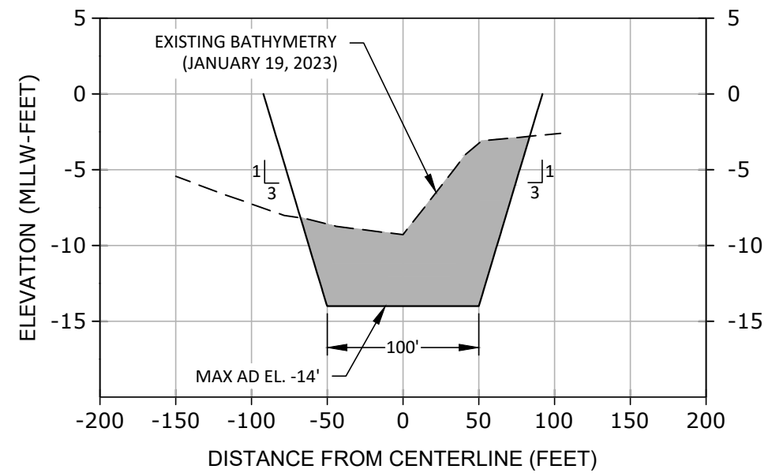
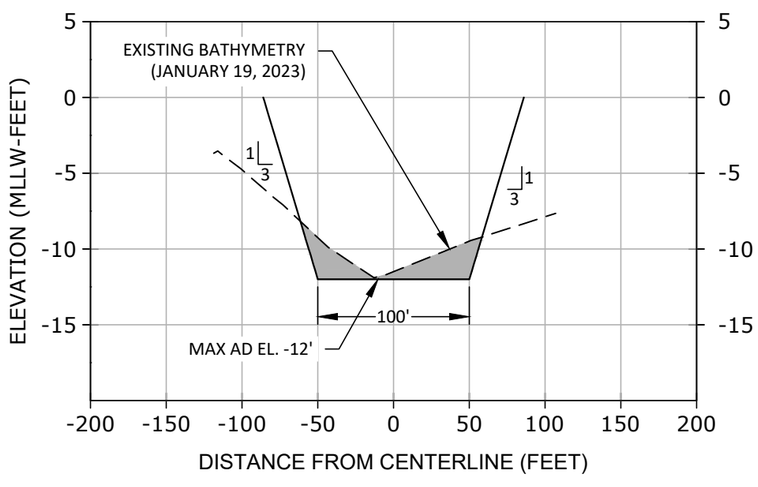
CROSS SECTION E-E'



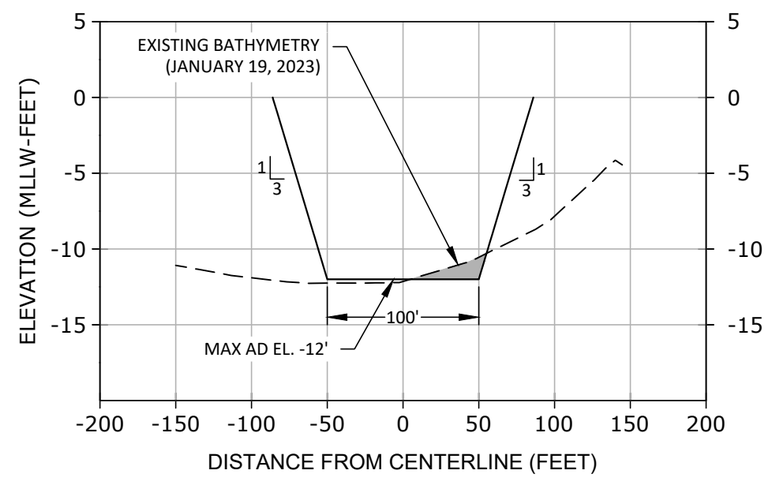
CROSS SECTION F-F'



CROSS SECTION G-G'



CROSS SECTION H-H'



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0 5 10
VERTICAL GRAPHIC SCALE IN FT

0 50 100
HORIZONTAL GRAPHIC SCALE IN FT

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SOUTHERN DARE COUNTY CHANNEL MAINTENANCE AND DREDGED MATERIAL MANAGEMENT PROJECT
DARE COUNTY, NORTH CAROLINA

PROPOSED CHANNELS
CROSS SECTIONS

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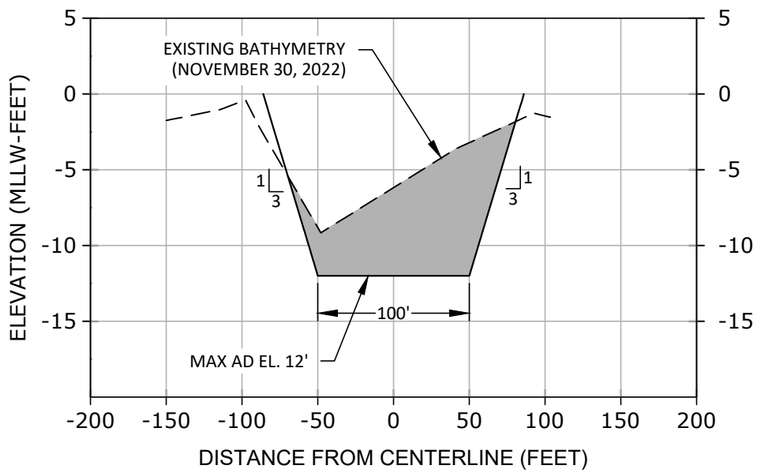
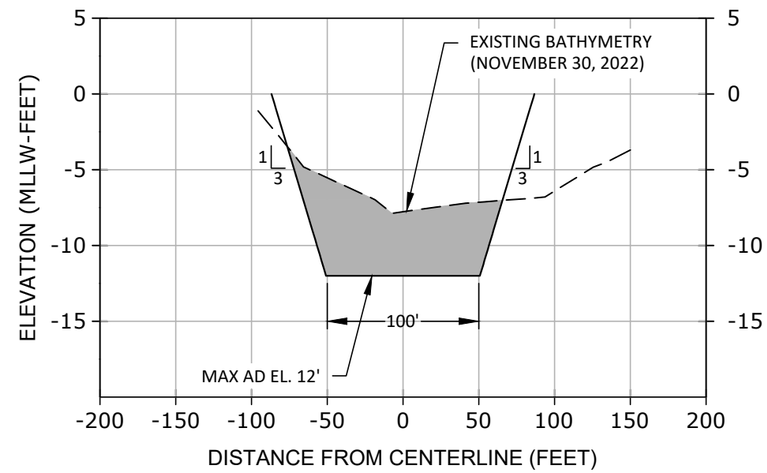
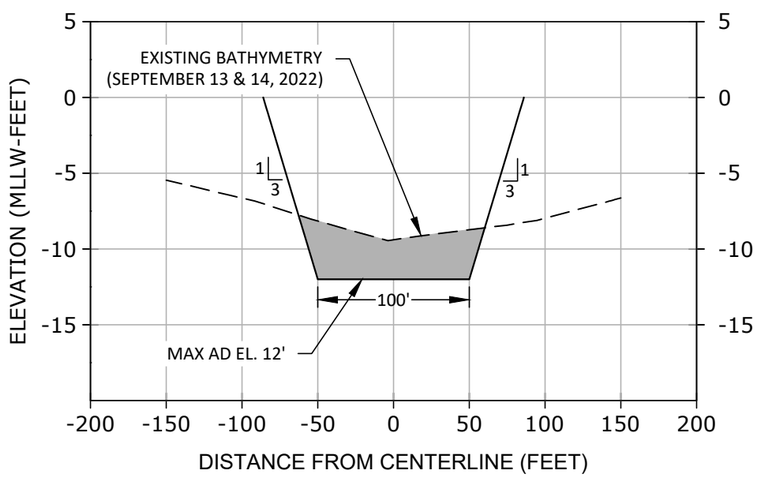
CROSS SECTION I-I'



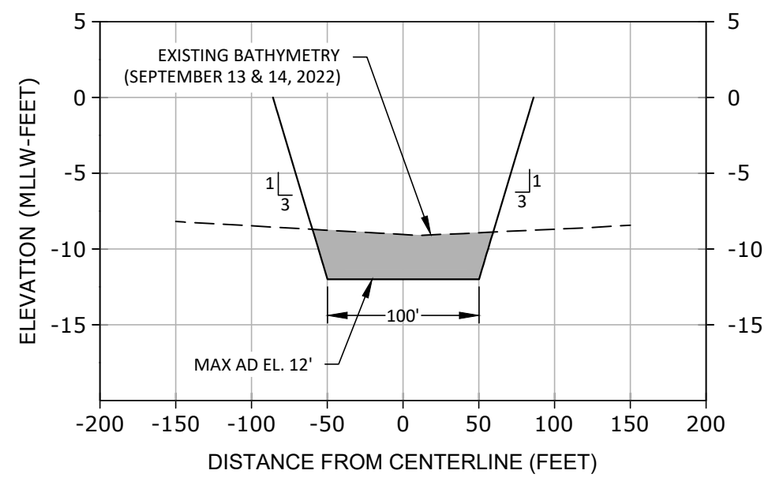
CROSS SECTION J-J'



CROSS SECTION K-K'



CROSS SECTION L-L'



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0 5 10
VERTICAL GRAPHIC SCALE IN FT

0 50 100
HORIZONTAL GRAPHIC SCALE IN FT

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SOUTHERN DARE COUNTY CHANNEL MAINTENANCE AND DREDGED MATERIAL MANAGEMENT PROJECT
DARE COUNTY, NORTH CAROLINA

PROPOSED CHANNELS
CROSS SECTIONS

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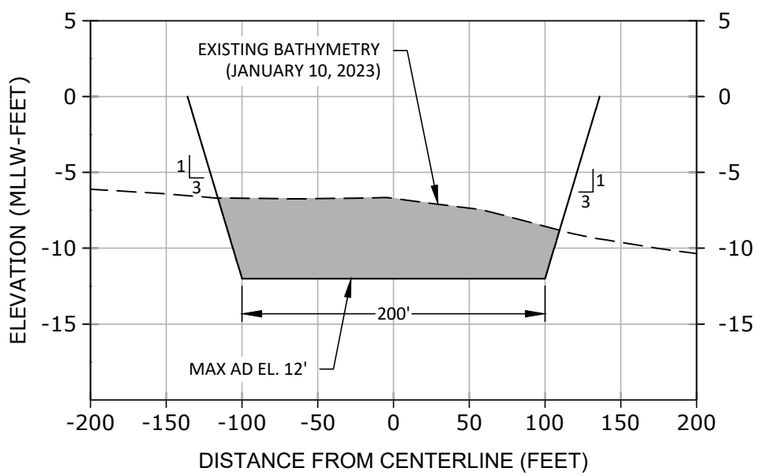
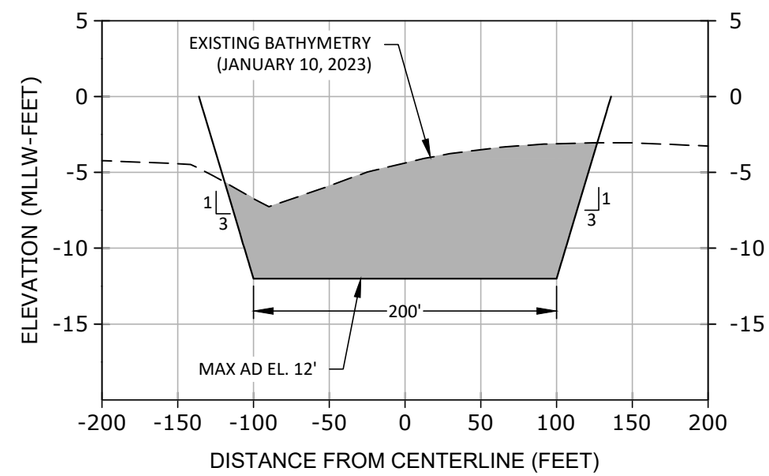
CROSS SECTION M-M'



CROSS SECTION N-N'



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DARE COUNTY, NORTH CAROLINA

PROPOSED CHANNELS
CROSS SECTIONS

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