

US Army Corps of Engineers Philadelphia District 1650 Arch Street Philadelphia, PA 19103-2004 Attn: CENAP-OPR

Public Notice

Comment Period Begins: June 26, 2023 Comment Period Ends: July 26, 2023 File Number: NAP-2023-00326-85 File Name: DDNREC Murderkill River Jetties KE Contact: Michael D. Yost Email: michael.d.yost@usace.army.mil

This District has received an application for a Department of the Army permit pursuant to Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. 403) and Section 404 of the Clean Water Act (33 U.S.C. 1344).

The purpose of this notice is to solicit comments and recommendations from the public concerning issuance of a Department of the Army permit for the work described below.

APPLICANT: Terry Deputy, Delaware Department of Natural Resources and Environmental Control, Division of Watershed Stewardship

- AGENT: Douglas Mann, Aptim Coastal Planning & Engineering, LLC
- **LOCATION:** The activity is occurring along the north and south banks of the mouth of the Murderkill River. 39.058712°N, 75.39577°W
- **PURPOSE:** Maintain the Murderkill River inlet.

PROJECT DESCRIPTION:

The Murderkill River entrance to the Delaware Bay is maintained by concrete filled geotextile bags serving as jetties along the northern bank and the southern bank, extending east into the Delaware Bay. The Murderkill River has a federally authorized navigation channel of 60 feet width at -7 feet MLW. The adjacent jetty structures are not included as part of the federal project. The concrete filled bags that make up the jetties are deteriorating and require replacement. The south jetty is overtopped by wave action and the tides, resulting in shoaling of the navigation channel. The 300 feet section of the north jetty is currently losing sediment through gaps in the concrete bags causing additional shoaling of the inlet channel. Both jetty reconstructions will reduce the loss of sand and sediment into the Murderkill River, reducing the need for dredging of the entrance channel.

The concrete bags making up the south jetty will be excavated, removed and hauled to a recycler off-site in roughly 20 feet sections. Sand excavated to achieve proper elevations for the jetty will be placed along the beach south of the south jetty and graded to meet the existing profile. Geotextiles, foundation stone, bedding stone and armor stone will then be placed to form the new jetty. The new jetty will not extend further channelward into the Delaware Bay than the existing jetty, however the width of the jetty will be expanded upon to ensure stability and proper height.

The concrete bags making up the north jetty will be excavated, removed and hauled to a recycler off-site in roughly 50 to 100 feet sections. Sand excavated to achieve proper elevations will be placed landward of the jetty and vegetated with salt tolerant vegetation. Geotextiles, foundation stone, bedding stone and armor stone will then be placed to form the new jetty. The length of the structure will be approximately 300 feet and connect to the jetty to the east and an existing bulkhead to the west. The width of the jetty will be expanded beyond the footprint of the existing jetty to ensure stability and proper height.

For additional project details, see the attached plans identified as: STATE OF DELAWARE OMB/DIVISION OF FACILITIES MANAGEMENT OMB/DFM CONTRACT #NAT 23311-MKR_JETTY MURDERKILL RIVER JETTIES REHABILITATION AT SOUTH BOWERS ROAD MILFORD DE 19963 AND COOPER AVENUE FREDERICA DE 19946, prepared by Aptim Coastal Planning & Engineering, LLC, dated June 8, 2023, 10 sheets.

MITIGATION

The applicant has stated that the proposed project has been designed to avoid and minimize adverse effects on the aquatic environment to the maximum extent practicable. Information provided in the application and on the plans indicates that compensatory mitigation is neither practicable nor feasible for the amount of dredged or fill material to be discharged into waters of the United States.

CORPS EVALUATION FACTORS

The decision whether to issue a permit will be based on an evaluation of the activity's probable impact including its cumulative impacts on the public interest. The decision will reflect the national concern for both protection and utilization of important resources. The benefits which reasonably may be expected to accrue from the work must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the work will be considered including the cumulative effects thereof. Among these factors are conservation, economics, aesthetics, general environmental concerns, wetlands, cultural values, fish and wildlife values, flood hazards, flood plain values, land use, navigation, shore erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs and welfare of the people.

The evaluation of the impact of this project will also include application of the Clean Water Act Section 404(b)(1) Guidelines promulgated by the Administrator, U.S. Environmental Protection Agency if the project includes a discharge of dredge or fill material pursuant to Section 404 of the Clean Water Act.

ENDANGERED SPECIES

A preliminary review of this application indicates that species and/or their critical habitat pursuant to Section 7 of the Endangered Species Act (ESA) may be present in the action area. This office will forward this Public Notice to the U.S. Fish and Wildlife Service (USFWS) and/or National Marine Fisheries Service (NMFS) with a request for technical assistance on whether any ESA-listed species or their critical habitat may be present in the area which would be affected by the proposed activity. This office will evaluate the potential effects of the proposed actions on ESA-listed species or their critical habitat and will consult with the USFWS and/or NMFS, as appropriate. ESA Section 7 consultation would be concluded prior to the final decision on this permit application.

CULTURAL RESOURCES AND TRIBAL TRUST

The District's Cultural Resource Specialist and Tribal Liaison is currently reviewing the proposed permit action for potential impacts to Historic Properties eligible for or listed on the National Register of Historic Places and for potential issues concerning the Tribes. A determination of effects will be coordinated with the State Historic Preservation Office, the Tribes and other consulting parties as necessary.

ESSENTIAL FISH HABITAT

The Magnuson-Stevens Fishery Conservation and Management Act (MSA) requires all federal agencies to consult with the National Marine Fisheries Service (NMFS) for all actions, or proposed actions, permitted, funded, or undertaken by the agency that may adversely affect Essential Fish Habitat (EFH). A preliminary review of this application indicates that EFH is present within the project area. This office will evaluate the potential effects of the proposed actions on EFH and will consult with NMFS, as appropriate. Consultation would be concluded prior to the final decision on this permit application.

WATER QUALITY CERTIFICATE

In accordance with Section 401 of the Clean Water Act, a Water Quality Certificate (WQC) is required from the State government in which the work is located. Any comments concerning the work described above which relate to Water Quality considerations should be sent to this office with a copy to the State.

COASTAL ZONE MANAGEMENT ACT

In accordance with Section 307(c) of the Coastal Zone Management Act of 1972, applicants for Federal Licenses or Permits to conduct an activity affecting land or water uses in a State's coastal zone must provide certification that the activity complies with the State's Coastal Zone Management (CZM) Program. The applicant has stated that the proposed activity complies with and will be conducted in a manner that is consistent

with the approved State CZM Program. No permit will be issued until the State has concurred with the applicant's certification or has waived its right to do so. Comments concerning the impact on the State's coastal zone should be sent to this office with a copy to the State's CZM office.

SUBMISSION OF COMMENTS AND PUBLIC HEARING REQUEST

Any comments received will be considered by this office to determine whether to issue, modify, condition, or deny a permit for this proposed project. To make this decision, comments are used to assess the probable impact on the public interest. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

Comments on the proposed work must be submitted, in writing, within the comment period indicated in the header above. Any person may request, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for a public hearing must be in writing and state the reasons for holding a public hearing.

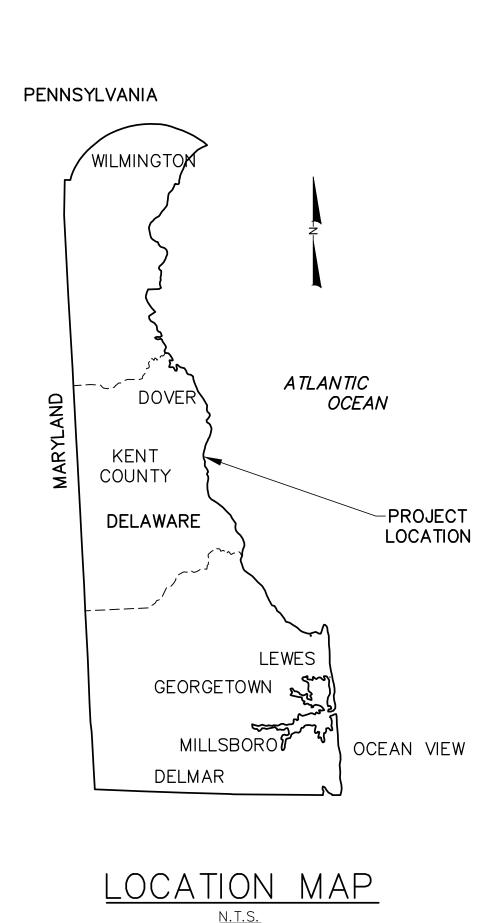
Please provide any comments, request for a public hearing, or requests for additional information to the Regulatory Project Manager indicated above. All Public Notices are posted on our website at:

https://www.nap.usace.army.mil/Missions/Regulatory/Public-Notices/

FOR: Todd A. Schaible Chief, Regulatory Branch

STATE OF DELAWARE **OMB/DIVISION OF FACILITIES MANAG** OMB/DFM CONTRACT # NAT 23311-MK MURDERKILL RIVER JETTIES REHA AT AND SOUTH BOWERS ROAD COOPER MILFORD DE 19963 FREDERICA FOR: THE DELAWARE DEPARTMENT OF NATURA

AND ENVIRONMENTAL CONTRO





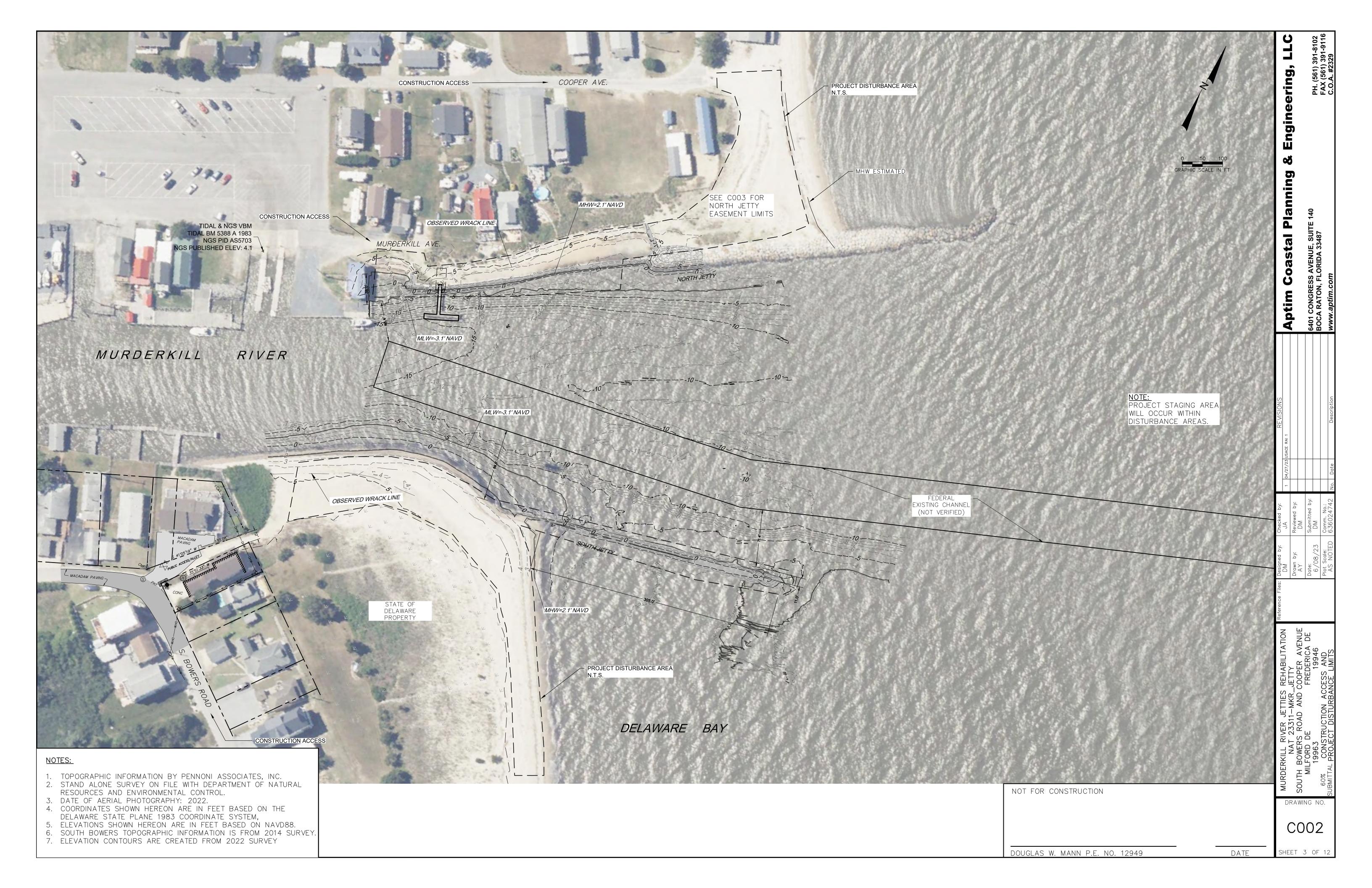
1" = 3000'

	ITATION	Planning & Engineering, LLC E 140 E 140
AVE A DE	NUE 19946	Aptim Coastal Pl 6401 CONGRESS AVENUE, SUITE 1 BOCA RATON, FLORIDA 33487 www.aptim.com
L RE DL	SOURCES	L VISIONS
TAREAS	DRAWING INDEX COVER SHEET OVERALL EXISTING CONDITIONS CONSTRUCT ACCESS AND PROJECT DISTURBANCE LIN NORTH JETTY EXISTING CONDITIONS AND EASEMENTS SOUTH JETTY EXISTING CONDITIONS NORTH JETTY PROPOSED IMPROVEMENTS SOUTH JETTY PROPOSED IMPROVEMENTS NORTH JETTY CROSS-SECTIONS NORTH JETTY CROSS-SECTIONS SOUTH JETTY CROSS-SECTIONS EXISTING DOCK AND NORTH JETTY CONNECTION	Reference Files: Designed by: Checked by: JA DRawn by: JA DEB DM DEB DM Date: DM Date: Submitted by: DM Plot Scale: Comm. No.: Ano. Date D
	NORTH JETTY VEGETATION PLAN	ATE SHEET 1 OF 15 MURDERKILL RIVER JETTIES REHABILITATION MURDERKILL RIVER JETTIES REHABILITATION MURDERKILL RIVER JETTIES MURDERKILL RIVER JETT



- DELAWARE STATE PLANE 1983 COORDINATE SYSTEM, 5. ELEVATIONS SHOWN HEREON ARE IN FEET BASED ON NAVD88.
- SOUTH BOWERS TOPOGRAPHIC INFORMATION IS FROM 2014 SURVEY.
 ELEVATION CONTOURS ARE CREATED FROM 2022 SURVEY

		Aptim Coastal Planning & Engineering, LLC	6401 CONGRESS AVENUE, SUITE 140 BOCA RATON, FLORIDA 33487 <i>www.aptim.com</i> C.O.A. #2329 C.O.A. #2329
		ed by: REVISIONS ed by:	itted by: No.: No.: Date Description
	<u>SITE CONTROL</u> POINTS PROVIDED BY OTHERS 50 N 385510.61 E 661556.31 ELEV=4.39 GPS MON 51 N 386140.82 E 661211.74 ELEV=6.23 GPS PK POINTS SET BY PENNONI 400 N 385088.0303 E 661623.3327 ELEV=5.07 PK 401 N 384605.2230 E 662253.5409 ELEV=2.17 PK <u>LEGEND</u>	Designed by: Check DM JA Drawn by: Review AY DM	8/23 Subm 8/23 DM cole: Comm
NOT FOR CON	-10 ELEVATION CONTOUR (2022 SURVEY) UTILITY POLE SIGN SIGN Image: Clean oute Image: Clean oute	MURDERKILL RIVER JETTIES REHABILIT, NAT 23311-MKR_JETTY SOUTH BOWERS ROAD AND COOPER AV	MILFORD DE 19963 OVERALL EXISTING CO 60% SUBMITTAL
	MANN P.E. NO. 12949 DATE	C	11ng no. DO1 2 of 12





- DELAWARE STATE PLANE 1983 COORDINATE SYSTEM, 5. ELEVATIONS SHOWN HEREON ARE IN FEET BASED ON NAVD88.
- 6. SOUTH BOWERS TOPOGRAPHIC INFORMATION IS FROM 2014 SURVEY. 7. ELEVATION CONTOURS ARE CREATED FROM 2022 SURVEY

De	Aptim Coastal Planning & Engineering, LLC 6401 CONGRESS AVENUE, SUITE 140 PH. (561) 391-8102 BOCA RATON, FLORIDA 33487 FAX (561) 391-9116 www.aptim.com C.O.A. #2329
W=2.1' NAVD	Ned by:Checked by:AREVISIONSJAJ4/23usace Raiby:Reviewed by:PPDMPPPSubmitted by:PPJ8/23DMPSodele:Comm. No.:NoNOTED636024742No.DateDescription
	MURDERKILL RIVER JETTIES REHABILITATION NAT 23311-MKR_JETTY SOUTH BOWERS ROAD AND COOPER AVENUE MILFORD DE FREDERICA DE 19963 NORTH JETTY EXISTING CONDITIONS 60% SUBMITTAL AND EASEMENTS
NOT FOR CONSTRUCTION	DRAWING NO.



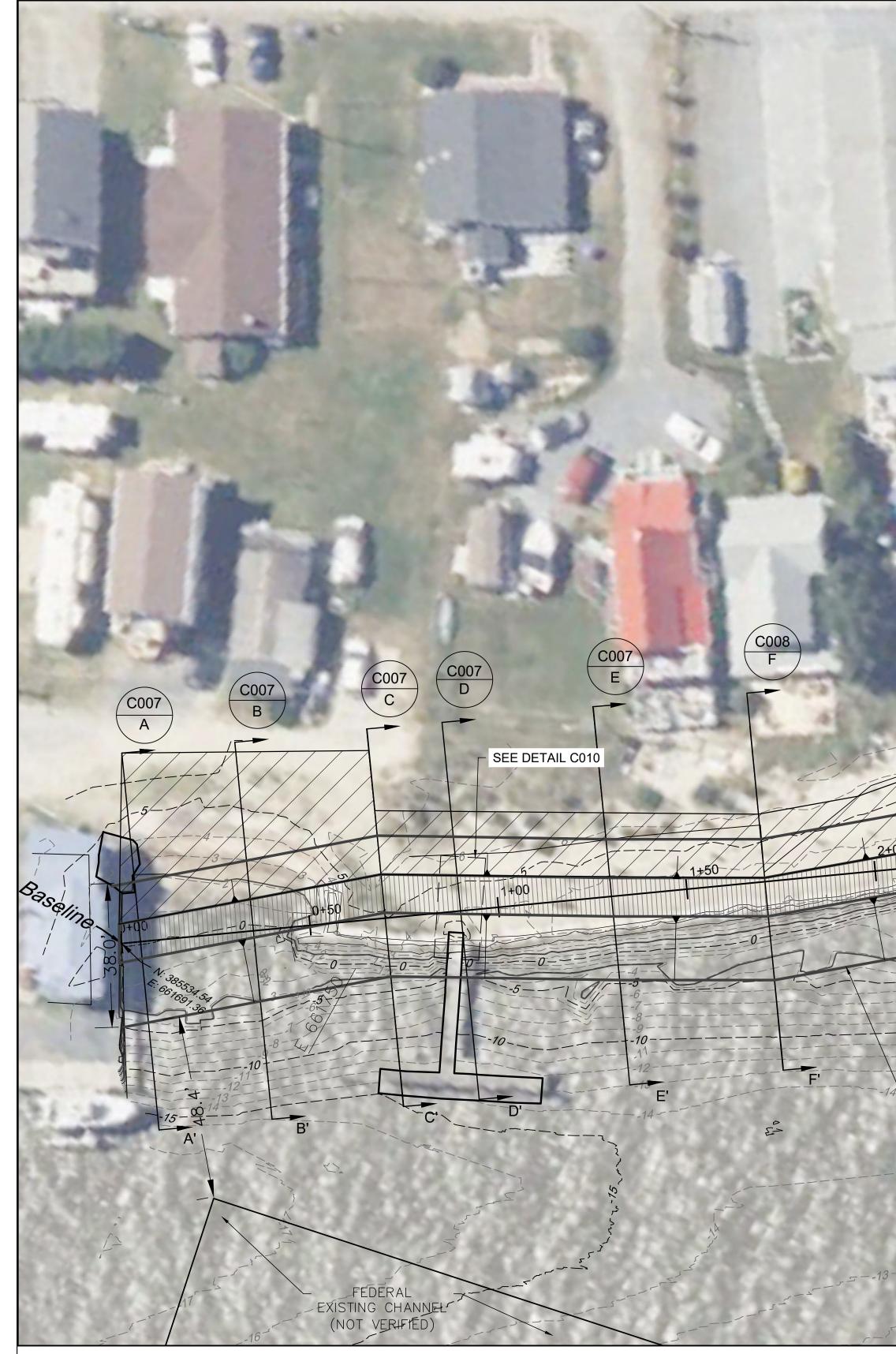
- 2. STAND ALONE SURVEY ON FILE WITH DEPARTMENT OF NATURAL

- STAND ACONE SORVET ON THEE WITH DEFARTMENT OF NATOR RESOURCES AND ENVIRONMENTAL CONTROL.
 DATE OF AERIAL PHOTOGRAPHY: 2022.
 COORDINATES SHOWN HEREON ARE IN FEET BASED ON THE DELAWARE STATE PLANE 1983 COORDINATE SYSTEM,
- 5. ELEVATIONS SHOWN HEREON ARE IN FEET BASED ON NAVD88.

POINTS PROVIDED BY OTHERS 50 N 385510.61 E 661556.31 ELEV=4.39 GPS MON 51 N 386140.82 E 661211.74 ELEV=6.23 GPS PK

POINTS SET BY PENNONI 400 N 385088.0303 E 661623.3327 ELEV=5.07 PK 401 N 384605.2230 E 662253.5409 ELEV=2.17 PK

3 10 10 10 10 10 10 10 10 10 10	& Engineering, LLC	PH. (561) 391-8102 FAX (561) 391-9116 C.O.A. #2329
LIMITS OF SOUTH JETTY AS SURVEYED	Aptim Coastal Planning	6401 CONGRESS AVENUE, SUITE 140 BOCA RATON, FLORIDA 33487 <i>www.aptim.com</i>
	Reference Files: Designed by: Checked by: DM JA DM DA DA DA DA DA DA DA Drawn by: Reviewed by: DM Drawn by: DM Drawn by: DM	23 123
NOT FOR CONSTRUCTION	MURDERKILL RIVER JETTIES REHABILITATION NAT 23311-MKR_JETTY SOUTH ROWERS ROAD AND COOPER AVENUE	MILFORD DE MILFORD DE 19963 SOUTH JETT 60% SUBMITTAL
DOUGLAS W. MANN P.E. NO. 12949 DATE		5 OF 12



NOTES:

- TOPOGRAPHIC INFORMATION BY PENNONI ASSOCIATES, INC.
 STAND ALONE SURVEY ON FILE WITH DEPARTMENT OF
 STAND ALONE SURVEY ON FILE WITH DEPARTMENT OF
 ELEVATION CONTOURS ARE CREATED FROM 2022
- STAND ALONE SORVET ON THEE WITH DEFARMENT OF NATURAL RESOURCES AND ENVIRONMENTAL CONTROL.
 DATE OF AERIAL PHOTOGRAPHY: 2022.
 COORDINATES SHOWN HEREON ARE IN FEET BASED ON THE DELAWARE STATE PLANE 1983 COORDINATE
 ANDREWS MILLER STA. 0+00 FROM 2016 NORTH JETTY PLANS AVAILABLE FROM DNREC. SYSTEM,
- 5. ELEVATIONS SHOWN HEREON ARE IN FEET BASED ON NAVD88.

ELEVATION 5' NAVD± MATCH ADJACENT GRADE	LIMITS OF JETTY EASEMENT
C008 G LANDWARD TOE LANDWARD CREST	CO08 1 ANDREWS MILLER STA.
2+50 2+50 SEAWARD	BASELINE BASELINE BASELINE DO DO D
CREST	H'
LOCATION OF TEMPORARY TURBIDITY CURTAIN OR COFFERDAM	
LEGEND: CREST EL.=8.5 FT NAVD	

ELEVATION 3' TO 5' NAVD GRADE SMOOTH WITH ADJACENT TOPOGRAPHY		HW ESTIMATE	Aptim Coastal Planning & Engineering, LLC	6401 CONGRESS AVENUE, SUITE 140 BOCA RATON, FLORIDA 33487 <i>www.aptim.com</i> C.O.A. #2329
00 W=2.1'NAVD	PLACE EXCESS SAND BOVE MHW		Reference Files: Designed by: Checked by: A /23 USACE RAI 1 DM JA 1 4/23 USACE RAI 1 Drawn by: Reviewed by: A DM	3/23 sale: NOTED
NOT FOR CONSTRUCTION			MURDERKILL RIVER JETTIES REHABILITATION NAT 23311-MKR_JETTY SOUTH BOWERS ROAD AND COOPER AVENUE	MILFORD DE FREDERICA DE 60% SUBMITTAL NORTH JETTY PROPOSED IMPROVEMENTS
DOUGLAS W. MANN P.E. NO. 1		DATE		0 5 6 OF 12

