

July 12, 2024

ERI Project No. 1034#1178

Mr. Todd Schaible, Chief
Regulatory Branch, Philadelphia District
U.S. Army Corps of Engineers
Wanamaker Building
100 Penn Square East
Philadelphia, PA 19107-3390

Attn: Mr. Michael Yost, Dover, Delaware Field Office, Philadelphia District

**RE: Department of the Army Permit
Meoli Boat Docking Facility
Tax Map Parcel 334-13.00-1318.00, Lewes Rehoboth Canal
Lewes Rehoboth Hundred, Lewes, Sussex County, Delaware
Applicant: Michael Meoli**

Dear Mr. Schaible,

Environmental Resource Insights (ERI) is writing to you on behalf of the applicant, Michael Meoli (TMP 334-13.00-1318.00) in order to request an Individual Department of the Army Permit for the installation of a boat docking facility located on the western bank of the Lewes Rehoboth Canal. The existing docking facility consists of a 4'x28' pier and a 6'x48' dock fitted with a boat lift. A pierhead area will be created by a 24' long vinyl sheet retaining wall along the existing top of bank.

I have applied for a DNREC Subaqueous Lands Permit and a Section 401 Water Quality Certification Prefiling Meeting request has been submitted to the Wetlands and Subaqueous Lands Section. I have also submitted a Coastal Zone Consistency Request to DNREC's Coastal Zone Management Program.

Upon your review of the enclosed application, please let me know if you or your staff need any additional information in support of this request. On behalf of the applicant thank you in advance for your time and attention to this request.

Sincerely,

ENVIRONMENTAL RESOURCE INSIGHTS


Edward M. Launay

Cc: Mr. Michael Meoli

July 12, 2024

Kimberly B. Cole, Administrator
Delaware Coastal Management Program
Department of Natural Resources & Environmental Control
100 W. Water Street, Suite 7B
Dover, Delaware 19904

**RE: Meoli Boat Docking Facility
Delaware Coastal Zone Consistency Determination
Coastal Management Program - Department of Army Individual Permit
Tax Map Parcel 334-13.00-1318.00
Lewes Rehoboth Hundred, Sussex County, Delaware
Applicant: Michael Meoli**

Dear Ms. Cole,

Environmental Resource Insights (ERI) is writing on behalf of Michael Meoli to provide you with the Department of the Army Permit Application and plans for a proposed boat docking facility in the waters of the Lewes Rehoboth Canal. The Corps of Engineers advised me that a Coastal Zone Consistency Determination from your Program is required for this project. The project description and a response to applicable Coastal Zone Management Program Policies is provided in the attached Coastal Zone Management Act Federal Consistency Form. Mr. Meoli requests the issuance of a Coastal Zone Consistency Determination from your program. Upon your review of this information, I am available at your convenience should you have any additional questions.

Sincerely,

ENVIRONMENTAL RESOURCE INSIGHTS

Edward M. Launay
Senior Professional Wetland Scientist No. 875, Society of Wetland Scientists

Enclosures: Department of Army Application
8 1/2" x 11" Project Plans
CZMA Federal Consistency Form

Cc: Michael Meoli
Mike Yost, ACOE

July 12, 2024

ERI Project No. 1034#1178

Mr. Matthew Jones, Program Manager
Delaware Department of Natural Resources and Environmental Control
Division of Water Resources, Wetlands and Subaqueous Lands Section
89 Kings Highway
Dover, Delaware 19901

**RE: Section 401 Water Quality Certification - Prefiling Meeting Request
Proposed Boat Docking Facility
Tax Map Parcel 334-13.00-1318.00
Lewes Rehoboth Hundred, Lewes, Sussex County, Delaware
Applicant: Michael Meoli**

Dear Mr. Jones,

Environmental Resource Insights (ERI) recently submitted an application for a Subaqueous Lands Permit on behalf of Mr. Michael Meoli. ERI also recently submitted an application for a Department of the Army Permit to the Philadelphia District Corps of Engineers. An Individual Department of the Army Permit is required for the installation of the proposed docking facility since the Lewes Rehoboth Canal is a federal channel and a Public Works project.

In accordance with the Clean Water Act Section 401 Certification Rule published in the Federal Register on July 13, 2020, I am writing the Wetlands and Subaqueous Lands Section today as a procedural requirement to request a pre-filing meeting related to issuance of a Section 401 Water Quality Certification for this project. I recognize that the WSLs will be reviewing the Subaqueous Lands Permit application for the project and a pre-filing meeting for a project of this nature may not be necessary. However, Mr. Meoli and I are available to have a pre-filing request meeting for Section 401 Water Quality Certification at your convenience.

In the event the WSLs would prefer that we move forward with our formal Section 401 Water Quality Certification request without waiting 30 days, please let me know. I will be in position to make that request promptly since all of the needed information is included in the Subaqueous Lands Permit application currently under review.

Upon your review of this Section 401 Water Quality Certification Prefiling Meeting request, please let me know if you or your staff have any questions or need any additional information.

Sincerely,

ENVIRONMENTAL RESOURCE INSIGHTS

Edward M. Launay

Cc: Mr. Michael Meoli
Mr. Michael Yost, USACOE, Dover Field Office

18. Nature of Activity - Project Description

The proposed project involves the construction of a 6'x48' dock fitted with a boat lift extending into the Lewes Rehoboth Canal accessed from a 4'x28' pier. The proposed project is within Lands of the United States located east of Sussex County Tax Map Parcel 334-13.00-1318.00 which is owned by Michael Meoli. The tax parcel is an approved residential lot in the Canal Corkran subdivision and a home is under construction. As is typical with other residential lots in Canal Corkran and along both sides of this section of the Lewes-Rehoboth Canal, Mr. Meoli is requesting a Real Estate License from the Baltimore District Corps of Engineers to construct the proposed docking facility. The docking facility will provide the Meoli family with recreational water access.

The Lewes-Rehoboth Canal is a federal channel and public works project. An Individual Department of the Army (DOA) Permit will be required from the Philadelphia District Corps of Engineers. Accordingly, a Section 404 Water Quality Certification and a Subaqueous Lands Permit issued by the DNREC Wetlands & Subaqueous Lands Section is required. In addition, a Coastal Zone Consistency Determination is also required from the DNREC Coastal Zone Program.

No state regulated wetlands are present on the site and WSLs Subaqueous Lands Permit is limited to the portion of the docking facility channelward of the mean high-water line (4'x24' pier, 6'x48' dock and 12'x14' boat lift as described herein).

The docking facility is situated 2.5 feet landward of the 10-foot federal channel buffer. No impact to the 50-foot-wide navigation channel or buffer will occur. Project elements are described as follows:

Construct a pile supported 4'x28' long pier extending from uplands (24' of which is landward of mean high water). The pier crosses over a narrow area of federally regulated emergent scrub shrub wetlands. The pier accesses a pile supported 6'x48' long dock located 4' channelward of mean high water. The north end of the dock will be fitted with a 12,000 lbs. capacity aluminum boat lift. The boat lift will be supported by four independent 12" diameter pilings spaced 12'x14'. The channelmost piling is 2.5' landward of the federal channel buffer. The dock will have water and electric service.

The dock and pier will be of standard marine construction. All pilings and timber will be salt treated and secured with galvanized hardware. The elevation of the dock and pier will be 4.0 feet NAVD88 datum.

A 24' long vinyl sheet pile retaining wall is proposed landward of the mean high-water line and this is an activity only regulated by the Corps of Engineers. No WSLs authorization is required for this project element. The vinyl retaining wall will be secured with 12" timber piles and 6"x6" walers. The retaining wall will be located along the upland top of bank.

The construction of the retaining wall will impact 48 square feet of federally regulated nontidal wetlands consisting of some emergent and scrub shrub vegetation and unvegetated shoreline. A total of 27 cubic yards of bulkheading material and clean gravel backfill will be placed. The retaining wall will provide for a secured, stabilized pierhead area for accessing the pier and dock.

17. DIRECTIONS TO THE SITE

From the intersection of Canal Crossing Road and Corkran Blvd. proceed 0.08 miles, turn right onto Eleanor Lee Lane west, proceed 0.48 miles, turn right onto Thompson Court and proceed 0.09 miles to project site on easterly side of road.

18. Nature of Activity (Description of project, include all features)

Construct a 6' wide x 48' long dock with a 12,000 lb. boat lift mounted on four pilings, landward of the Lewes-Rehoboth Canal navigation channel buffer (10' wide). The pier will be accessed by a 28' long pier connecting with the upland bank of the canal. Pier and dock will be of typical marine construction using 10" salt treated pilings and timbers fastened with galvanized hardware. The project also involves the installation of a 24 foot long vinyl sheet pile retaining wall supported by timber piles and whalers along the upland edge of bank to create a stabilized pierhead. Two five foot upland returns are proposed. A total of 48 square feet of emergent nontidal wetland and intertidal flat will be impacted.

19. Project Purpose (Describe the reason or purpose of the project, see instructions)

Provide landowner abutting Lewes-Rehoboth Canal riparian access for a recreational dock and boat lift. A Corps of Engineers Real Estate License is required.

USE BLOCKS 20-23 IF DREDGED AND/OR FILL MATERIAL IS TO BE DISCHARGED

20. Reason(s) for Discharge

Recreational riparian access and boat docking for landowner abutting the Lewes-Rehoboth Canal.

21. Type(s) of Material Being Discharged and the Amount of Each Type in Cubic Yards:

Type Amount in Cubic Yards	Type Amount in Cubic Yards	Type Amount in Cubic Yards
27 cu. yds. of vinyl bulkhead & clean gravel backfill		

22. Surface Area in Acres of Wetlands or Other Waters Filled (see instructions)

Acres 48 sq. ft.

or

Linear Feet

23. Description of Avoidance, Minimization, and Compensation (see instructions)

Project designed to avoid all encroachment to 50 foot federal navigation channel & its 10 foot wide buffer.

24. Is Any Portion of the Work Already Complete? Yes No IF YES, DESCRIBE THE COMPLETED WORK

25. Addresses of Adjoining Property Owners, Lessees, Etc., Whose Property Adjoins the Waterbody (if more than can be entered here, please attach a supplemental list).

a. Address- Michael A. Meoli 7 Johnson Branch Court

City - Rehoboth Beach State - DE Zip - 19971

b. Address- Canal Corkran Homeowners Association P.O. Box 605

City - Rehoboth Beach State - DE Zip - 19971

c. Address-

City - State - Zip -

d. Address-

City - State - Zip -

e. Address-

City - State - Zip -

26. List of Other Certificates or Approvals/Denials received from other Federal, State, or Local Agencies for Work Described in This Application.

AGENCY	TYPE APPROVAL*	IDENTIFICATION NUMBER	DATE APPLIED	DATE APPROVED	DATE DENIED
DNREC	Subaqueous Land		pending		
DNREC	CZM Consistency		pending		
ACOE	Real Estate License		pending		

* Would include but is not restricted to zoning, building, and flood plain permits

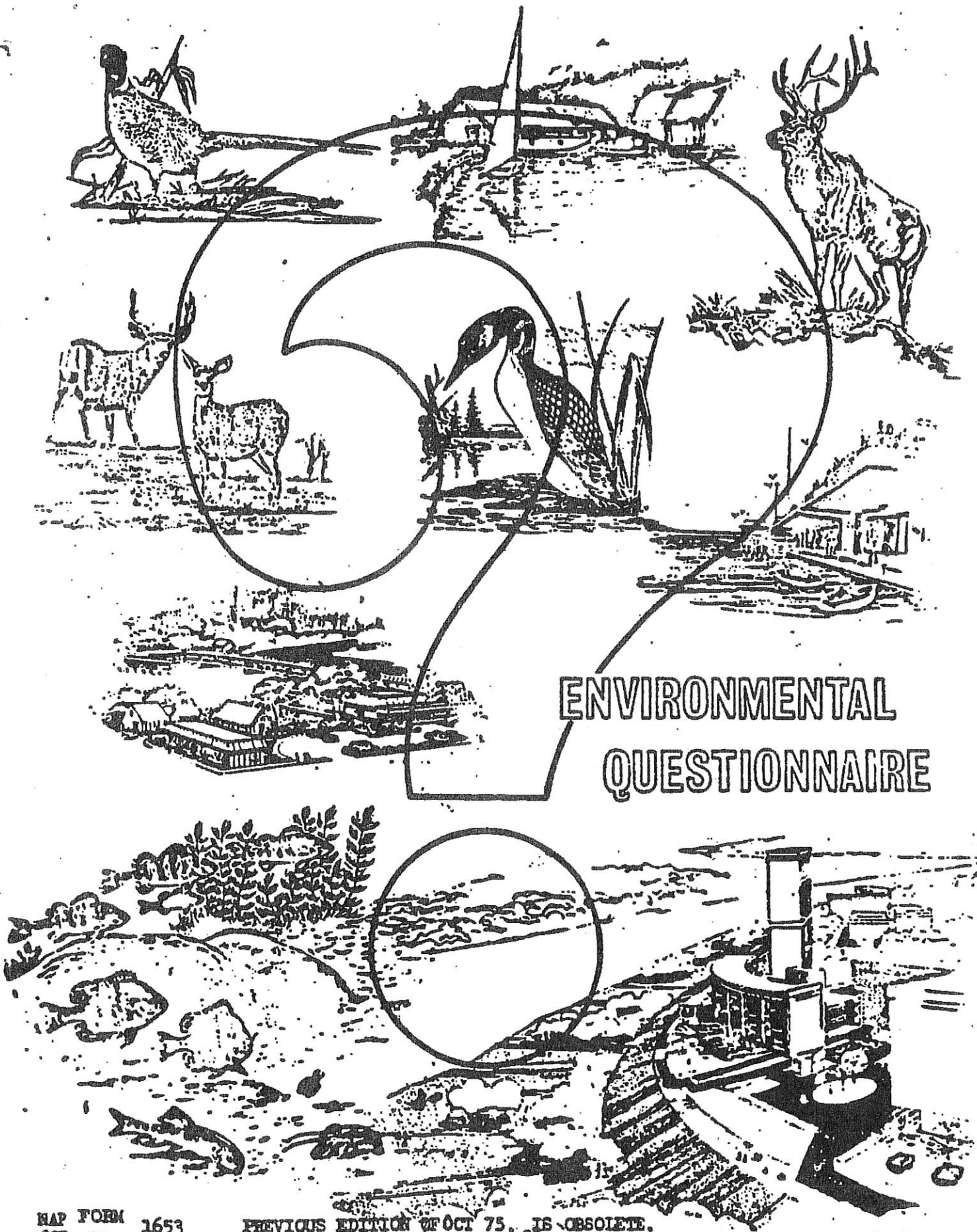
27. Application is hereby made for permit or permits to authorize the work described in this application. I certify that this information in this application is complete and accurate. I further certify that I possess the authority to undertake the work described herein or am acting as the duly authorized agent of the applicant.

[Signature] 6/24/24
SIGNATURE OF APPLICANT DATE

[Signature] 7/10/2024
SIGNATURE OF AGENT DATE

The Application must be signed by the person who desires to undertake the proposed activity (applicant) or it may be signed by a duly authorized agent if the statement in block 11 has been filled out and signed.

18 U.S.C. Section 1001 provides that: Whoever, in any manner within the jurisdiction of any department or agency of the United States knowingly and willfully falsifies, conceals, or covers up any trick, scheme, or disguises a material fact or makes any false, fictitious or fraudulent statements or representations or makes or uses any false writing or document knowing same to contain any false, fictitious or fraudulent statements or entry, shall be fined not more than \$10,000 or imprisoned not more than five years or both.



ENVIRONMENTAL
QUESTIONNAIRE

ENVIRONMENTAL QUESTIONNAIRE
FOR CORPS OF ENGINEERS PERMIT APPLICATIONS
Philadelphia District, Corps of Engineers
Philadelphia, Pennsylvania 19107
CENAP-OP-R

INTRODUCTION AND INSTRUCTIONS

The District Engineer is required by law to assess the initial, cumulative, and long-term effects of any proposed permit on all aspects of the environment.

To speed the analysis of the probable impact of the proposed work, each applicant is required to submit appropriate environmental data as part of a permit application. We ask that you provide a thorough description of your proposed project and answer each question as it applies to the work and the results of that work. Complete and accurate answers will prevent unnecessary delays in processing your permit application

Parts I and II will be filled out by all applicants. Part I is self-explanatory. In Part II, the Environmental Impact Checklist, you should indicate the impacts of your project on all aspects of the environment that are listed. Use the space under "Qualifying Remarks" to indicate the specific impacts that your project will have. This may include types of plants or animals affected, specific adverse, beneficial, or mitigative effects, changes to existing conditions, etc. Although space for answers has been provided, you may wish to supply additional information on attached pages. If you do not anticipate an impact on a certain item, simply place a check in the "No" column.

Part III will be filled out by all applicants applying for a permit to perform dredging.

Part IV will be filled out by all applicants applying for a permit to perform filling operations. This includes activities such as filling behind bulkheads.

Refer any questions you may have concerning this supplemental form to the Regulatory Branch at (215) 656-6728.

PART I

I. PROJECT DESCRIPTION:

- A. General Site Location: Accurately locate the project site with respect to State, county, or other subdivision, and in relation to streams and rivers.

The project lies in an unincorporated area of Sussex County in the Baltimore Hundred near the City of Rehoboth Beach. It is located within the Canal Corkran residential subdivision which borders Lands of the United States of America bordering the Lewes Rehoboth Canal. A Corps of Engineers Real Estate License will be required to construct the proposed dock.

- B. Specific Site Locations: Completely locate the project site with respect to cove, creek, property owner, plot number, etc.

The subject parcel adjoining the canal is identified in Sussex County records as tax map parcel 334-13.00-1318.00. The address is 50 Thompson Court Rehoboth Beach, DE 19971. As is common practice along the canal, the lot owner will seek a Real Estate Division License to construct a dock along the canal landward of the federal navigation and its buffer.

- C. Description of Proposed Action: Carefully describe the action proposed, including the method of construction, equipment, and materials to be used. Details in your description are important. Attach additional sheets if necessary.

Within Lands of the United States of America, the applicant proposes to construct a 4'x48' pier from uplands accessing a 6'x48' dock fitted with a 12,000 lbs. boat lift mounted on four 12" diameter piles landward of the federal channel & buffer. A 24 foot vinyl retaining wall is proposed to create a stabilized pierhead area. A total of 48 square feet of nontidal wetlands will be impacted. See attached sheet for detailed project description.

- D. Purpose of Proposed Action: Define the purpose of the proposed structure or work. For example, the purpose of bulkheading may be to stabilize an eroding bank; whereas, the purpose for a pier may be for the mooring of a private boat, for access to a public or private facility, for a marina, or for another purpose.

The purpose of the project is to provide the Meoli family with a dock and a boat lift for recreational water access. Similar access has been provided to landowners along the Canal in the Canal Corkran Subdivision, Rehoboth Beach and nearby surroundings.

- E. Submit color photographs of the site, with explanations of the views shown (prints only). Photographs help us to better understand your project. The more photographs you provide, the easier it is to understand and process your application.

Photographs have been provided.

Project Description

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The Lewes-Rehoboth Canal is a federal channel and public works project. An Individual Department of the Army (DOA) Permit will be required from the Philadelphia District Corps of Engineers. Accordingly, a Section 404 Water Quality Certification and a Subaqueous Lands Permit issued by the DNREC Wetlands & Subaqueous Lands Section is required. In addition, a Coastal Zone Consistency Determination is also required from the DNREC Coastal Zone Program.

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The dock and pier will be of standard marine construction. All pilings and timber will be salt treated and secured with galvanized hardware. The elevation of the dock and pier will be 4.0 feet NAVD88 datum.

A 24' long vinyl sheet pile retaining wall is proposed landward of the mean high-water line and this is an activity only regulated by the Corps of Engineers. No WSLS authorization is required for this project element. The vinyl retaining wall will be secured with 12" timber piles and 6"x6" whalers. The retaining wall will be located along the upland top of bank.

The construction of the retaining wall will impact 48 square feet of federally regulated nontidal wetlands consisting of some emergent and scrub shrub vegetation and unvegetated shoreline. A total of 27 cubic yards of bulkheading material and clean gravel backfill will be placed. The retaining wall will provide for a secured, stabilized pierhead area for accessing the pier and dock.



View of Opposite Shore across
Canal Looking Southeast from
Location just North of Pierhead
Location



View of pierhead location for
Medi Docking Facility &
NTN. Wetland Flag A7 (Low Tide)

PART II – ENVIRONMENTAL IMPACT CHECKLIST			
ENVIRONMENTAL IMPACT	YES	NO	QUALIFYING REMARKS
A. Physical			
1. Topography	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No significant alteration to topography is proposed.
2. Geological Elements and Leaching	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3. Air	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
4. Transportation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
5. Handling of Hazardous Materials	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
6. Spoil Disposal	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No dredging is proposed.
7. Sewage and Solid Wastes	<input type="checkbox"/>	<input checked="" type="checkbox"/>	The applicants home is serviced by public sewer.
8. Water Resources			
a. Water Quality	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Only salt treated timber and pilings will be used and the applicant will protect the pier head area with a vinyl bulkhead.
b. Hydrography, Circulation, Littoral Drift.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
c. Ground Water	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
B. Biological			
1. Vegetation			
a. Terrestrial	<input type="checkbox"/>	<input checked="" type="checkbox"/>	The location of the pier has been sited to avoid any disturbance of large trees.
b. Aquatic	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No SAV present.
2. Fish and Wildlife			
a. Mammals	<input type="checkbox"/>	<input checked="" type="checkbox"/>	The subject parcel is within an established subdivision which retains a wooded, less urbanized character. Many residential docks are present in this area of the canal and the addition of the proposed dock will not have any significant impact.
b. Birds	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
c. Amphibians	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
d. Reptiles	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
e. Fish	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
f. Shellfish	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Canal closed to shellfishing.
g. Invertebrates	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3. Rare or Endangered Species	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No suitable habitat present. Very little wetlands is found along this section of canal.

ENVIRONMENTAL IMPACT	YES	NO	QUALIFYING REMARKS
C. Cultural			
1. Land Use	<input type="checkbox"/>	<input checked="" type="checkbox"/>	The project serves a lot in an approved subdivision. Docks are a permitted use.
2. Population Density and Trends	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3. Regional Development	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
4. Historic Places	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
5. Archaeological Sites	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
6. Aesthetics	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Many similar residential docks exist along this portion of canal.
7. Utilities	<input type="checkbox"/>	<input checked="" type="checkbox"/>	The community is serviced by public sewer, water and electric.
8. Transportation Systems	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
9. Recreation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	The applicant and his family will be provided with water access commonly enjoyed by neighboring properties
10. Public Health	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
D. Other Factors			
1. Secondary Effects	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
2. Controversiality	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3. Is significant dredging involved?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
4. Is significant filling involved?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Construction of a 24' vinyl sheet pile retaining wall along the upland edge of bank impacts 48 sq. ft. of nontidal scrub shrub/emergent wetland.

Part III

Considerations of a Dredging Proposal:

A. Describe characteristics and locations of the proposed dredged material disposal site. Provide photographs.

No dredging is proposed.

B. Is there a comprehensive plan for disposal sites that takes into account the accumulative effect over time and the decreasing amount of suitable sites for disposal?

C. Describe the present land use of the disposal site.

D. Describe characteristics of the material to be disposed, including:

1. Physical source of material (i.e. sand, silt, clay, etc.) Give percentages of the various fractions if available.

2. Chemical composition of material: Many areas, especially marinas, highly industrialized areas, etc., have sediments with high concentrations of pollutants (chemicals, organic material, etc.). These materials may be re-suspended or reintroduced into the water and result in serious environmental damage. If your proposed dredging is in an area such as described above, a chemical analysis of the material to be dredged should be provided.

3. Dewatering properties of the material to be disposed.

4. Compactability of material and settling rates of material to be disposed.

5. Dredging and disposal schedule to insure that operations do not degrade water quality during times of anadromous fish migration.

E. When the project involves land disposal, discuss the following:

1. Method of disposal to be utilized, i.e., pipeline discharge, barge, hopper (underway or stationary).

2. Describe method of dredged material containment (i.e. embankment, behind bulkhead, etc.)

3. What type of leachates will be produced from the spoil material and what is planned for protection of the groundwater?
 4. Methods to insure that spoil water does not adversely affect water quality, both during construction and after completion of the project.
 5. Provisions for monitoring during discharge: water quality, sediment transport, and precautions to prevent “short-circuiting” dumping.
- F. Consider and discuss the following for water disposal:
1. Describe methods to be used for water disposal, including volumes and site selection.
 2. Describe the existing water characteristics at the site, including chemical analysis for water quality.
- G. Discuss the frequency and amount of maintenance dredging which will be required; discuss the resulting impacts.
- H. Alternatives.
1. Discuss all alternatives to the project, including the “no action” alternative.
A "no action" alternative will preclude the homeowner to enjoy riparian access commonly enjoyed by neighboring properties.
 2. Discuss alternative types and methods of dredging and disposal, such as pipeline discharge, barging, or hopper method.
 3. Discuss alternatives to dredging.
 4. Discuss alternative areas of sites for spoil disposal.
 5. Discuss impact of port docking patterns upon the demand for dredging. Can alternative patterns reduce the amount of dredging required to support port operations?
 6. Support alternative means of construction that would prevent or minimize water quality degradation using EPA standards for guidance.
 7. State in detail impacts resulting in alternative locations for the proposed project.

Part IV

CONSIDERATIONS OF A FILLING PROPOSAL:

- A. Describe in detail the existing characteristics of the area proposed for filling (i.e. aquatic area, marsh, mudflat, swamp, etc.). In your description, be sure to include the types of vegetation present and the types of animals that use the area. Provide photographs.
- B. Give the following information in regard to the project size:
1. Total area to be filled.
48 square feet
 2. Size of underwater area to be filled.
0
 3. Area of intertidal zone to be filled.
0
 4. Area of wetlands to be filled.
A 48 square foot open area with some emergent wetlands and scrub shrub vegetation will be impacted and backfilled for a 24 foot long vinyl retaining wall.
 5. Proposed height of fill.
+/- 2.5'
 6. Volume of material that will be used in filling.
27 cubic yard of bulkhead materials & backfill
- C. Describe in detail the material to be used as fill including as follows:
1. Type of fill to be used (sand, stone, rubble, etc.). If the material is a composite (i.e., rubble), list the types of materials it will contain.
clean sand and loamy sand backfill
 2. Give the specific location of the source of this material.
local commercial quarry
 3. What types of leachates will be produced from the fill material and what is planned for protection of surface and groundwater?
none. salt treated timber will be used to secure vinyl sheet piling.
- D. Carefully describe the method of fill, including the following:
1. Method of fill placement, including equipment used in deposition and grading.
retaining will be constructed along upland bank and void behind wall will be backfilled by small track loader.
 2. Method of stabilization of banks from erosion, sloughing, wave action, boat wakes, etc.
vinyl sheet pile wall
 3. Method of stabilization of the surface of the fill.
The bare ground landward of retaining wall will be seeded with cool season grass.

4. Length of time needed for completion of the project. State if filling will be continuous, intermittent, etc.
No more than thirty days to complete the entire project.

5. Method of controlling turbidity when filling an underwater area.
No underwater filling is proposed.

E. Purpose of the Project:

1. What is the intended use of the filled area?

Create a stable pier head area with a secure bank.

2. What structures, if any, will be constructed on the fill?

Pier head area for pier accessing proposed dock.

3. What benefits would you gain from the proposed fill?

Landowner benefits from having secure, stable pier head area to access dock.

F. Alternatives

1. Discuss the "no action" alternative and how this would affect your present and future plans for the development of the area.

With "No Action" erosion might occur, negatively impacting pier head area.

2. Discuss alternative locations for the proposed fill.

None. The location is fixed by dock position which has been placed to minimize impacts to wetlands.

3. Discuss the use of elevated structures (i.e. causeways, elevated platforms, etc.) in place of the proposed fill.

Not Applicable.

4. Discuss any other alternatives you have considered prior to formulating the presently submitted proposal.

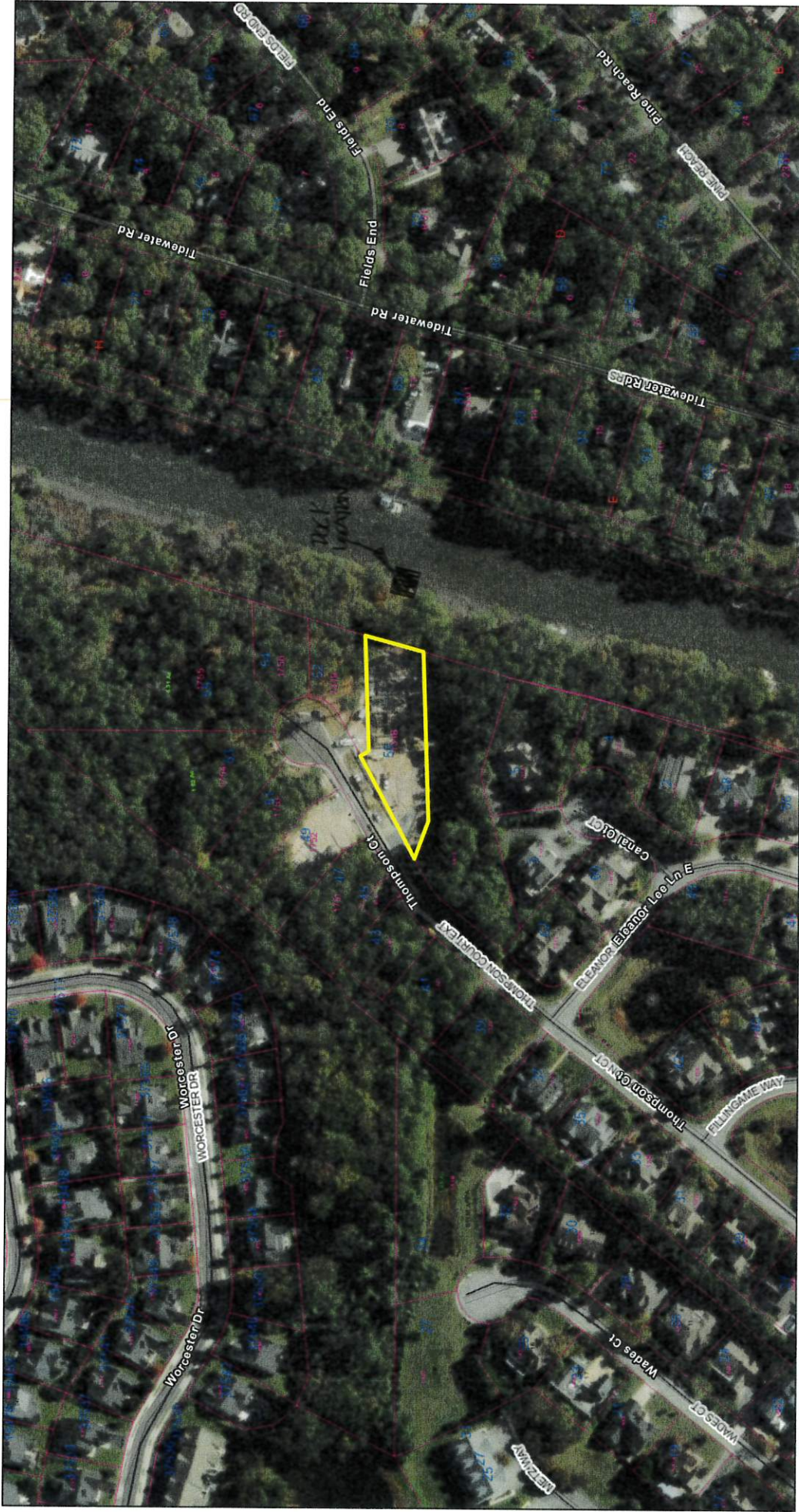
Use of riprap stone & geotextile fabric would impact a larger wetland area and stone would be difficult to import.



	<p>1" = 2000 FEET</p>	<p>REHOBOTH BEACH QUADRANGLE LOCATION MAP USGS TOPOGRAPHIC</p>	<p>MEAL DECKING FACILITY LEWES REHOBOTH CANAL TAX MAP PARCEL 334-13.00-1318.00 REHOBOTH BEACH, SUSSEX CO., DE</p>
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<p>ERI ENVIRONMENTAL RESOURCES, INC.</p>	<p>Date: 5/20/2024 Revisions:</p>	<p>Dwn. By: JRW Proj. No.: 1034#1178</p>	<p>SHEET: 1</p>
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Sussex County



July 14, 2024
 Override 1 Tax Parcels
 Streets
 Override 1 911 Address
 County Boundaries

1:2,257
 0 0.02 0.04 0.08 mi
 0 0.04 0.07 0.14 km

Delaware Department of Education, Wetland mapping is supported with funding provided by the Environmental Protection Agency, Delaware Geological Survey, U.S. Geological Survey, Marar, Microsoft, Delaware Public Service Commission, FEMA, DNRREC, Division of Watershed Stewardship, Drainage Program.

SUSSEX COUNTY TAX MAP AERIAL
 NEW DOCKING FACILITY FOR
 TAX MAP PARCEL 334 - 13.00 - 13.18.00
 LEWES-REHOBOTH HUNDRED SUSSEX CO. DE

MAY 20, 2024

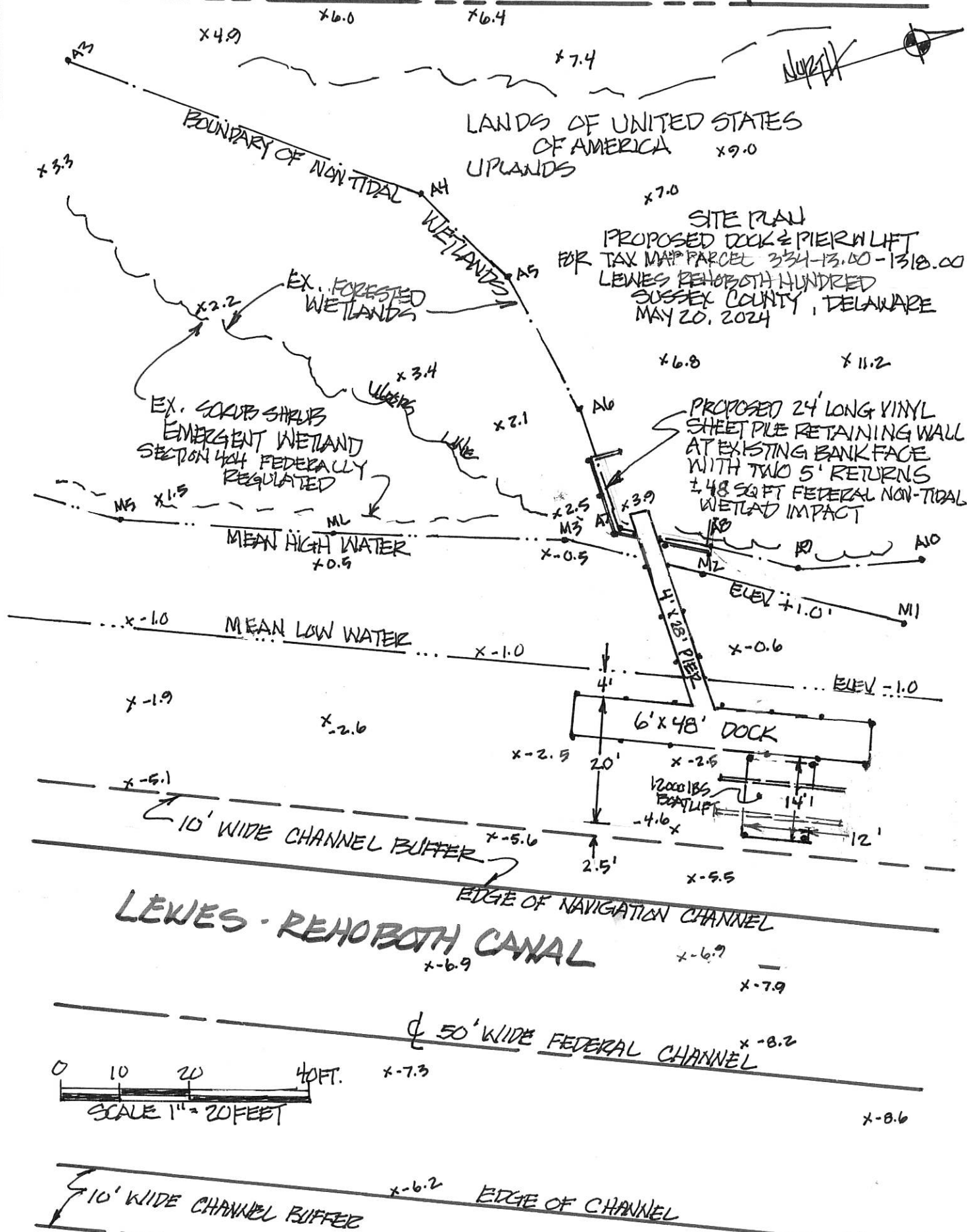
SHEET 2 OF 4

CANAL
CORRECTION
HOA

LOT 21 TAX MAP PARCEL
334-13.00-1318.00

LANDS OF
MICHAEL MEDLI

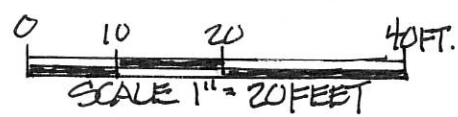
LOT 22

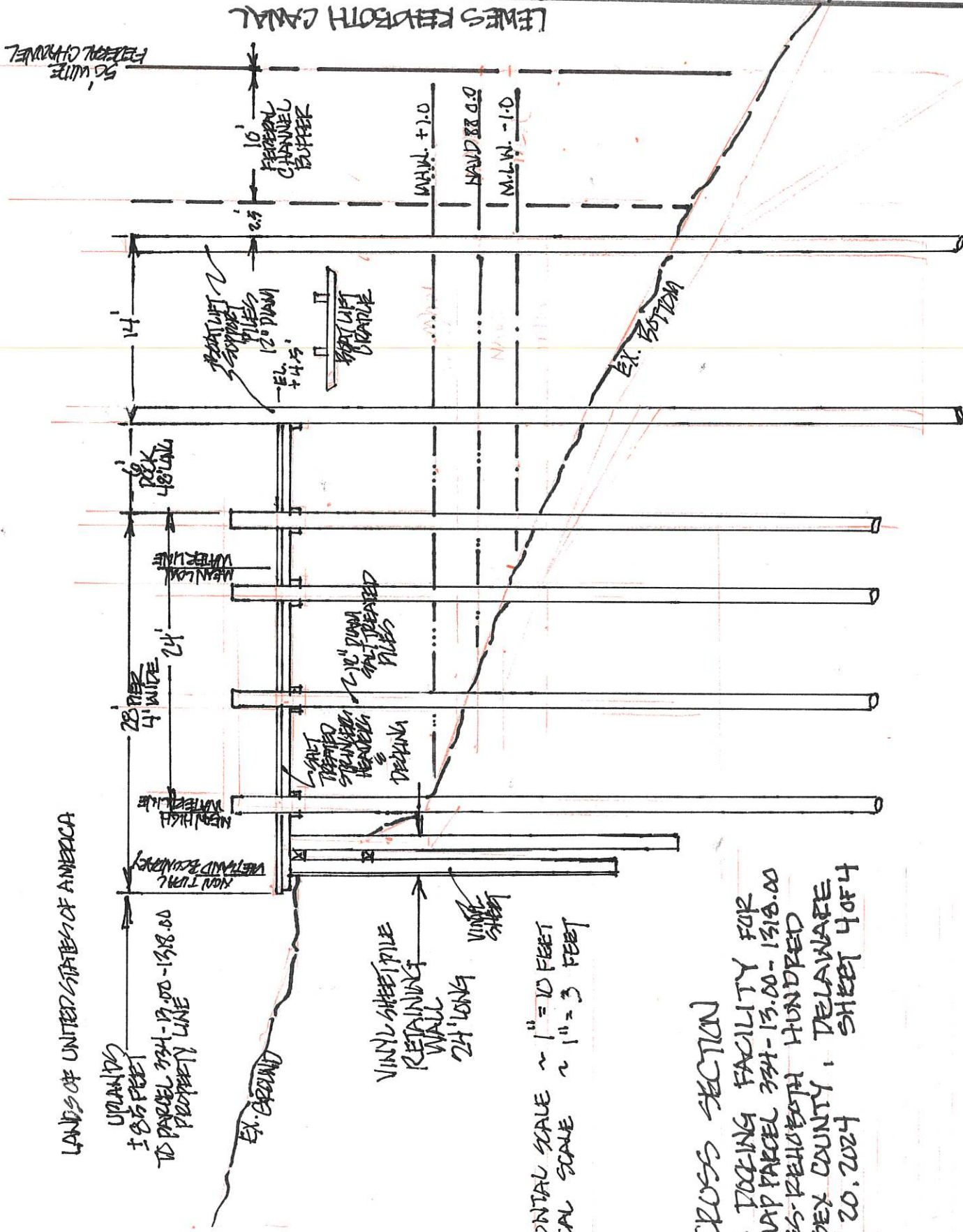


SITE PLAN
 PROPOSED DOCK & PIER W/ LIFT
 FOR TAX MAP PARCEL 334-13.00-1318.00
 LEWES REHOBOTH HUNDRED
 SUSSEX COUNTY, DELAWARE
 MAY 20, 2024

PROPOSED 24' LONG VINYL
 SHEET PILE RETAINING WALL
 AT EXISTING BANK FACE
 WITH TWO 5' RETURNS
 ± 48 SQ FT FEDERAL NON-TIDAL
 WETLAND IMPACT

LEWES - REHOBOTH CANAL





LANDS OF UNITED STATES OF AMERICA
 UPON AND
 ± 85 FEET
 TO PARCEL 334-13.00-1318.00
 PROPERTY LINE

VINYL SHEET PILE
 RETAINING
 WALL
 24' LONG

HORIZONTAL SCALE ~ 1" = 10 FEET
 VERTICAL SCALE ~ 1" = 3 FEET

CROSS SECTION

MEOU DOCKING FACILITY FOR
 TAX MAP PARCEL 334-13.00-1318.00
 LEWES-KEEBOTH HUNDRED
 SUSSEX COUNTY, DELAWARE
 MAY 20, 2024 SHEET 4 OF 4

LEWES-KEEBOTH CANAL

50' WIDE
 FEDERAL CHANNEL

10'
 FEDERAL
 CHANNEL
 BUFFER

M.H.W. +1.0
 M.V.D. 0.0
 M.L.W. -1.0

2
 SUPPORT
 PILES
 12" DIAM
 EL. +4.5'



EX. BOTTOM

14'
 ROCK
 48" LONG

WATER LINE

24'

2" DIA
 GALV TREATED
 PILES

SOFT
 TREATED
 STRAINER
 BOARDING
 DRAINING

WATER LINE

NON TURN
 METHOD BOUNDARY