



**U.S. Army Corps  
of Engineers**  
Baltimore District  
PN-24-01

# Public Notice

**In Reply to Application Number  
NAB-2022-61550 M30 (Maryland DNR - Somers Cove  
Marina/Bulkhead, Boat Ramp, Pier Facility)**  
Comment Period: January 8, 2024 to February 7, 2024

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**THE PURPOSE OF THIS PUBLIC NOTICE IS TO INFORM INTERESTED PARTIES OF THE PROPOSED ACTIVITY AND TO SOLICIT COMMENTS. NO DECISION HAS BEEN MADE AS TO WHETHER OR NOT A PERMIT WILL BE ISSUED AT THIS TIME.**

This District has received an application for a Department of the Army permit pursuant to Section 10 of the Rivers and Harbors Act (33 USC 403) and Section 404 of the Clean Water Act (33 USC 1344), as described below:

**APPLICANT:**

Maryland Department of Natural Resources  
580 Taylor Avenue, D-3  
Annapolis, Maryland, 21401

City of Crisfield  
319 West Main Street  
Crisfield, Maryland 21817

**WATERWAY AND LOCATION OF THE PROPOSED WORK:**

The proposed project is located in Somers Cove off the Little Annessex River at Somers Cove Marina, 715 Broadway Street, in Crisfield, Somerset County, Maryland. (Lat. 37.97812°N; Long. -75.85469°W)

**OVERALL PROJECT PURPOSE:**

To improve navigational access within Somers Cove to the Little Annessex River.

**PROJECT DESCRIPTION:**

To reconstruct the Somers Cove Marina as follows: 1) to remove approximately 61,659 square feet (sf) of existing pier structures, 5,895 sf of walkway, 7,824 sf of boat ramp structures, 604 mooring piles and 4 dolphins; 2) to construct and backfill approximately 3,948 linear feet (lf) of fiber reinforced polymer composite sheeting bulkhead within a maximum of 1.5 feet channelward of the approximate mean high water (MHW) shoreline including a 266-foot (ft) long section supported by batter piles; 3) to

reconfigure the marina by constructing piers (Piers A through E, H through M, and O through P) with associated structures; construct a 370-ft long by 8-ft wide floating pier to access Piers H, I, and J with associated structures; and replace the decking and stringers of a 587-ft long by 9-ft wide catwalk pier and associated structures; all within the existing marina footprint; 4) to reconstruct a 105-ft long by 36-ft wide concrete boat ramp and two 79-ft long by 16-ft wide boat ramps with two (2) 106-ft long by 8-ft wide floating piers all within a maximum of 106 ft channelward of the approximate MHW shoreline; 5) to replace in-kind a total of ten (10) stormwater drain outfalls with reinforced concrete pipe (RCP) and tide valves; and 6) to construct a new 24-inch diameter RCP stormwater outfall. All work will be completed in accordance with the enclosed plans prepared by Bay Land Consultants & Designers, Inc. dated June 2023. Please refer to the table below for a summary of aquatic resource impacts.

#### **EFFECTS ON AQUATIC RESOURCES:**

Work Activities	Open Water Impact (sf)	Authority (Section 10/404/408)
Pier Removal	61,659	10
Catwalk Removal	5,895	10
Mooring Piles Removal	604	10
Dolphins Removed	4 (20 piles)	10
Boat Ramp Removal	7,824	10/404
Bulkhead Replacement	5,922 (3,948 lf)	10/404
Pier A Reconfiguration	7,107	10
Piers B & C Reconfiguration	8,492	10
Pier D Reconfiguration	1,360	10
Pier E Reconfiguration	6,243	10
Pier H Reconfiguration	3,944	10
Floating Pier I Reconfiguration	3,950	10
Floating Pier J Reconfiguration	4,412	10
Floating Pier K Reconfiguration	7,396	10
Floating Boardwalk to Piers I, J, K	3,520	10
Floating Pier L Reconfiguration	11,324	10
Floating Pier M Reconfiguration	8,290	10
Catwalk	6,483	10
Floating Pier O Reconfiguration	9,318	10
Pier P Reconfiguration	9466	10
Boat ramp	4,939	10/404
New Mooring Piles	417	10
New 5 Pile Dolphins	9 (45 piles)	10

**LEAD FEDERAL AGENCY:**

The United States Army Corps of Engineers, as the lead federal agency, is responsible for all coordination pursuant to applicable federal authorities.

**APPLICANT'S PROPOSED AVOIDANCE, MINIMIZATION, AND COMPENSATORY MITIGATION:**

As part of the planning process for the proposed project, steps were taken to ensure avoidance and minimization of impacts to waters of the United States to the maximum extent practicable based on the existing site conditions. The proposed reconfiguration of the piers will increase the number of slips by one however the piers reconfiguration will reduce the overall number of piers but continue to provide the same level of access. The piers and boat ramp will be located within the same location as the existing boat ramp. A turbidity curtain will be used where operationally feasible and pile driving activities will be initiated with a soft start each day of pile driving, building up power slowly from a low energy start-up over a 20-minute period to allow for fish and other wildlife to leave the area. There are no wetlands or submerged aquatic vegetation at the project site. The project is a combination of need from the State of Maryland and the City of Crisfield. The project will provide improved access to Somers Cove and the Little Annemessex.

The applicant is not proposing any compensatory mitigation.

**CORPS EVALUATION REQUIREMENTS:**

This project will be evaluated pursuant to Corps Regulatory Program Regulations (33 CFR Parts 320-332). The decision whether to issue a permit will be based on an evaluation of the probable impacts, including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit, which reasonable may be expected to accrue from the proposal, must be balanced against its reasonably foreseeable detriments. All factors, which may be relevant to the proposal will be considered, including the cumulative effects thereof; among those are conservation, economic, aesthetics, general environmental concerns, wetlands, cultural values, fish and wildlife values, flood hazards, flood plain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, and consideration of property ownership and in general, the 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, United States Environmental

Protection Agency.

### **ENDANGERED SPECIES:**

A preliminary review of this application indicates that the proposed work is not likely to adversely affect federally listed threatened or endangered species or their critical habitat, pursuant to Section 7 of the Endangered Species Act, as amended. As the evaluation of this application continues, additional information may become available which could modify this preliminary determination.

### **ESSENTIAL FISH HABITAT:**

The Magnuson-Stevens Fishery Conservation and Management Act (MSFCMA), as amended by the Sustainable Fisheries Act of 1996 (Public Law 04-267), requires all federal agencies to consult with the National Marine Fisheries Service on all actions, or proposed actions, permitted, funded, or undertaken by the agency that may adversely affect Essential Fish Habitat (EFH), including species of concern, life cycle habitat, or Habitat Areas of Particular Concern. The project site lies in or adjacent to EFH as described under MSFCMA for managed species under the MSFCMA. The Baltimore District has made a preliminary determination that the project will not have a substantial adverse effect on EFH. The Baltimore District has made a preliminary determination that mitigative measures are not required to minimize adverse effects on EFH at this time. This determination may be modified if additional information indicates otherwise.

### **HISTORIC RESOURCES:**

Pursuant to Section 106 of the National Historic Preservation Act of 1966 and applicable guidance, the Corps has reviewed the latest published version of the National Register of Historic Places and initially determined that no registered properties listed as eligible for inclusion, therein, are located at the site of the proposed work. The Corps has made the preliminary determination that the proposed project would have no effect on historic properties. The Corps final eligibility and effect determination will be based on coordination with the State Historic Preservation Office as appropriate and required, and with full consideration given to the proposed undertaking's potential direct and indirect effects on historic properties within the Corps identified permit area.

### **TRIBAL RESOURCES:**

Section 106 of the National Historic Preservation Act also requires federal agencies to consult with federally recognized American Indian tribes that attach religious and cultural significance to historic properties that may be affected by the agency's undertaking. Corps Tribal Consultation Policy mandates an open, timely, meaningful, collaborative, and effective deliberative communication process that emphasizes trust, respect, and shared responsibility. The policy further emphasizes that, to the extent

practicable and permitted by law, consultation works toward mutual consensus and

begins at the earliest planning stages before decisions are made and actions taken. The Corps final eligibility and effect determination will be based on coordination with interested tribes, in accordance with the Corps current tribal standard operating procedures as appropriate and required, and with full consideration given to the proposed undertaking's potential direct and indirect effects on tribal resources.

#### **MODIFICATION OF CIVIL WORKS PROJECTS: 33 USC 408 (SECTION 408):**

All Section 408 proposals will be coordinated internally at the United States Army Corps of Engineers. The Section 408 decision will be issued along with the Section 404 and/or Section 10 decision. Please see the following link for more information regarding Section 408: <https://www.nab.usace.army.mil/Missions/Regulatory/Section-408-Requests/>.

#### **WATER QUALITY CERTIFICATION:**

The applicant is required to obtain a water quality certification in accordance with Section 401 of the Clean Water Act.

#### **COASTAL ZONE MANAGEMENT PROGRAMS:**

Where applicable, the applicant has certified in this application that the proposed activity complies with and will be conducted in a manner consistent with the approved Coastal Zone Management Program. By this public notice, we are requesting the State concurrence or objection to the applicant's consistency statement.

The applicant must obtain any state or local government permits which may be required.

#### **SUBMISSION OF COMMENTS:**

The Corps is soliciting comments from the public; federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps to determine whether to issue, modify, condition, or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments provided will become part of the public record for this action and are subject to release to the public through the Freedom of Information Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

Written comments concerning the work described above related to the factors listed above or other pertinent factors must be received by the United States Army Corps of Engineers, Baltimore District within the comment period specified above through postal mail at the address below or electronic submission to the project manager email address below. Written comments should reference the Application Number NAB-2022-61550-M30 (Maryland DNR - Somers Cove Marina/Bulkhead, Boat Ramp, Pier Facility).

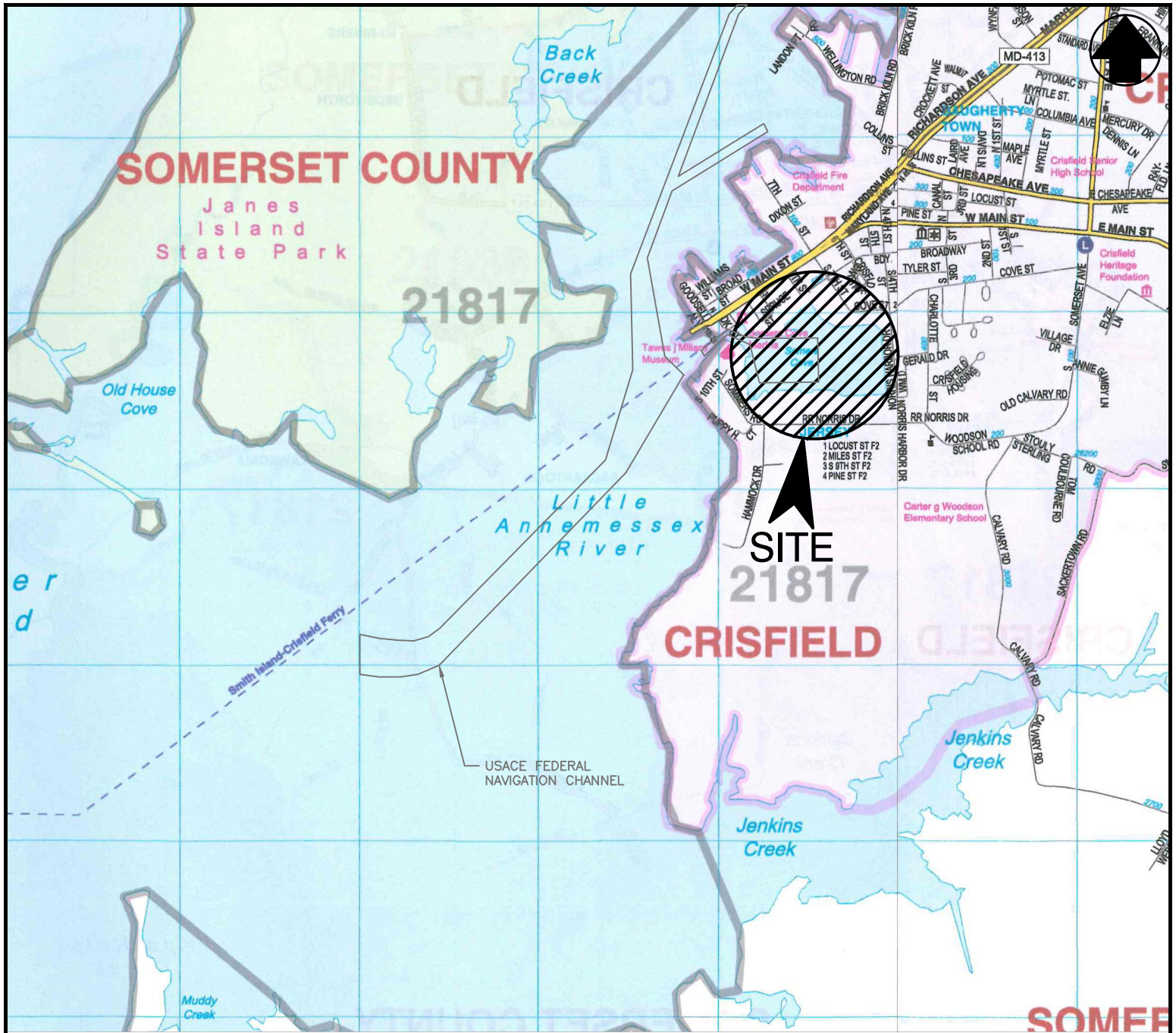
#### **PUBLIC HEARING REQUESTS:**

Any person who has an interest which may be adversely affected by the issuance of this permit may request a public hearing. The request, which must be in writing, must be received within the comment period as specified above to receive consideration. Also, it must clearly set forth the interest which may be adversely affected by this activity and the manner in which the interest may be adversely affected. The public hearing request may be submitted by electronic mail or mailed to the following address:

Erica Schmidt  
[Erica.Schmidt@usace.army.mil](mailto:Erica.Schmidt@usace.army.mil)  
U.S. Army Corps of Engineers, Baltimore District  
Regulatory Branch  
2 Hopkins Plaza  
Baltimore, Maryland 21201

It is requested that you communicate this information concerning the proposed work to any persons known by you to be interested, who did not receive a copy of this notice.

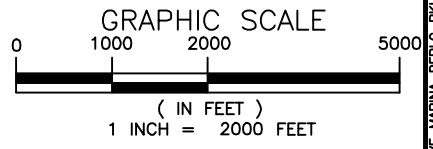
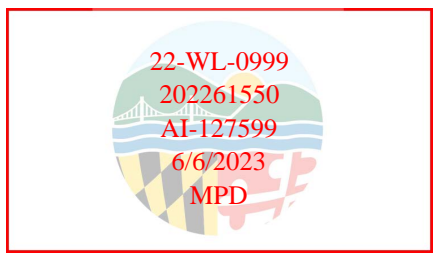
General information regarding the Corps permitting process can be found on our website at <https://www.nab.usace.army.mil/Missions/Regulatory.aspx>. This public notice has been prepared in accordance with Corps implementing regulations at 33 CFR 325.3. If you have any questions concerning this specific project or would like to request a paper copy of this public notice, please contact Mrs. Erica Schmidt at [Erica.Schmidt@usace.army.mil](mailto:Erica.Schmidt@usace.army.mil). This public notice is issued by the Chief, Regulatory Branch.



SOMERSET COUNTY ADC MAP COORDINATES:  
 MAP 55 GRID F-2 & F-3

MAP COPYRIGHT © ADC THE MAP PEOPLE, (800) 829-6277  
 PERMITTED USE NUMBER BJE051055

**REPLACEMENT OF BULKHEAD, STORM  
 DRAINS, UTILITIES & BOAT RAMP  
 AT  
 SOMERS COVE MARINA  
 SOMERSET COUNTY, MD**

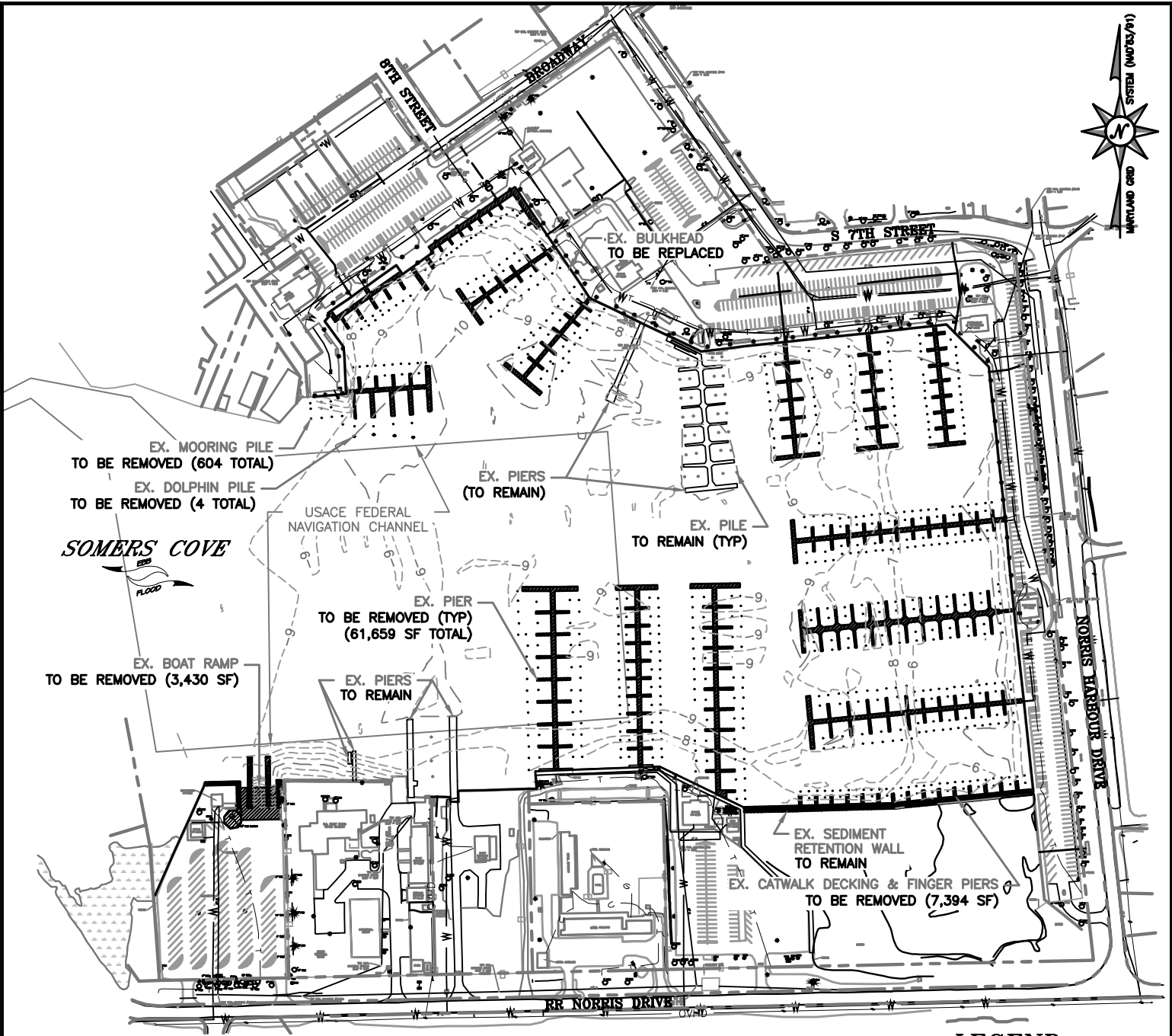


APPL. BY: MARYLAND DEPARTMENT OF NATURAL RESOURCES  
 CITY OF CRISFIELD  
**VICINITY MAP**

7455 New Ridge Road, Suite 1 Phone: (410) 694-9401  
 Hanover, Maryland 21076 Fax: (410) 694-9405  
 www.baylandinc.com

DATE: June 2023 SHEET 1 OF 17

Z:\8\_38201\_SOMERS\_COVE\_MARINA\_REPLC\_BKHDRS\CAD FILES\SHEET FILES\8\_38201\_JMAP1.DWG



EX. MOORING PILE  
TO BE REMOVED (604 TOTAL)  
EX. DOLPHIN PILE  
TO BE REMOVED (4 TOTAL)

EX. PIERS  
(TO REMAIN)

EX. BULKHEAD  
TO BE REPLACED

*SOMERS COVE*

USACE FEDERAL  
NAVIGATION CHANNEL

EX. PILE  
TO REMAIN (TYP)

EX. BOAT RAMP  
TO BE REMOVED (3,430 SF)

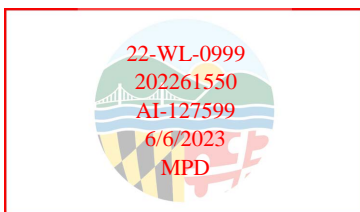
EX. PIER  
TO BE REMOVED (TYP)  
(61,659 SF TOTAL)

EX. PIERS  
TO REMAIN





EX. SEDIMENT  
RETENTION WALL  
TO REMAIN  
EX. CATWALK DECKING & FINGER PIERS  
TO BE REMOVED (7,394 SF)

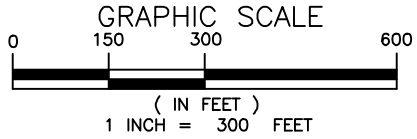
RR NORRIS DRIVE

NORRIS HARBOUR DRIVE



**LEGEND**

-  EX. PIER TO REMAIN
-  EX. PIER TO BE REMOVED
-  EX. PILE TO REMAIN
-  EX. PILE TO BE REMOVED



**REPLACEMENT OF BULKHEAD, STORM  
DRAINS, UTILITIES & BOAT RAMP  
AT  
SOMERS COVE MARINA  
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APPL. BY: MARYLAND DEPARTMENT OF NATURAL RESOURCES  
CITY OF CRISFIELD  
**EXISTING CONDITIONS & DEMOLITION PLAN**

DATE: June 2023 SHEET 2 OF 17

NOTE:  
BASEMAP TAKEN FROM AUGUST 2019  
DEPARTMENT OF NATURAL RESOURCES  
(DNR) SURVEY.

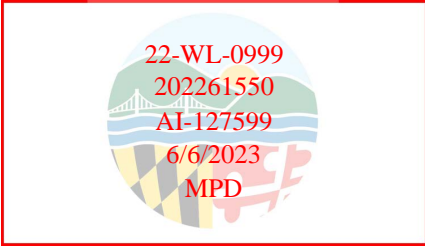
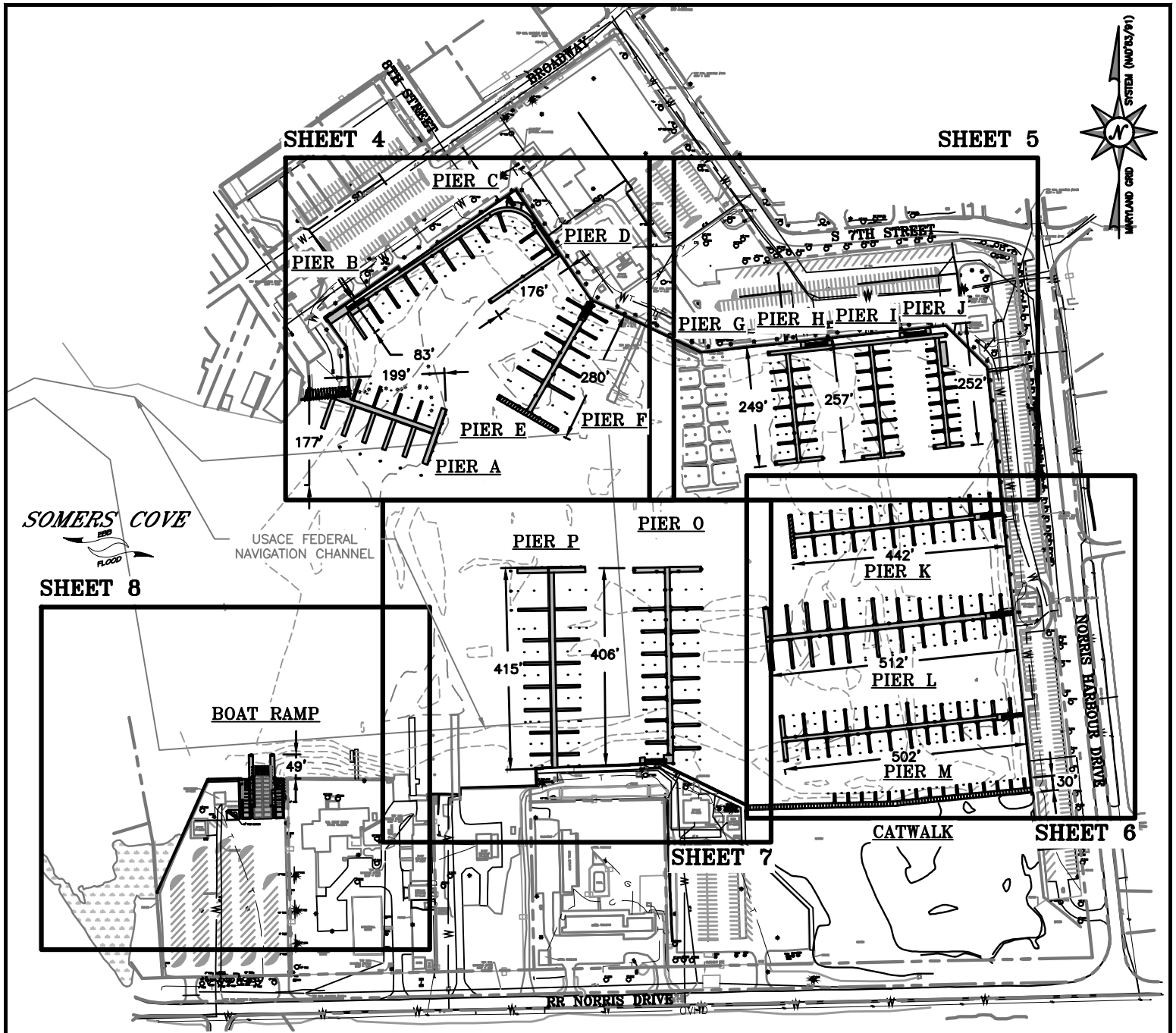


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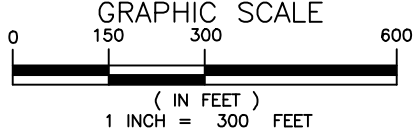




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**APPL. BY: MARYLAND DEPARTMENT OF NATURAL RESOURCES  
CITY OF CRISFIELD  
KEY SHEET**

**DATE: June 2023 SHEET 3 OF 17**

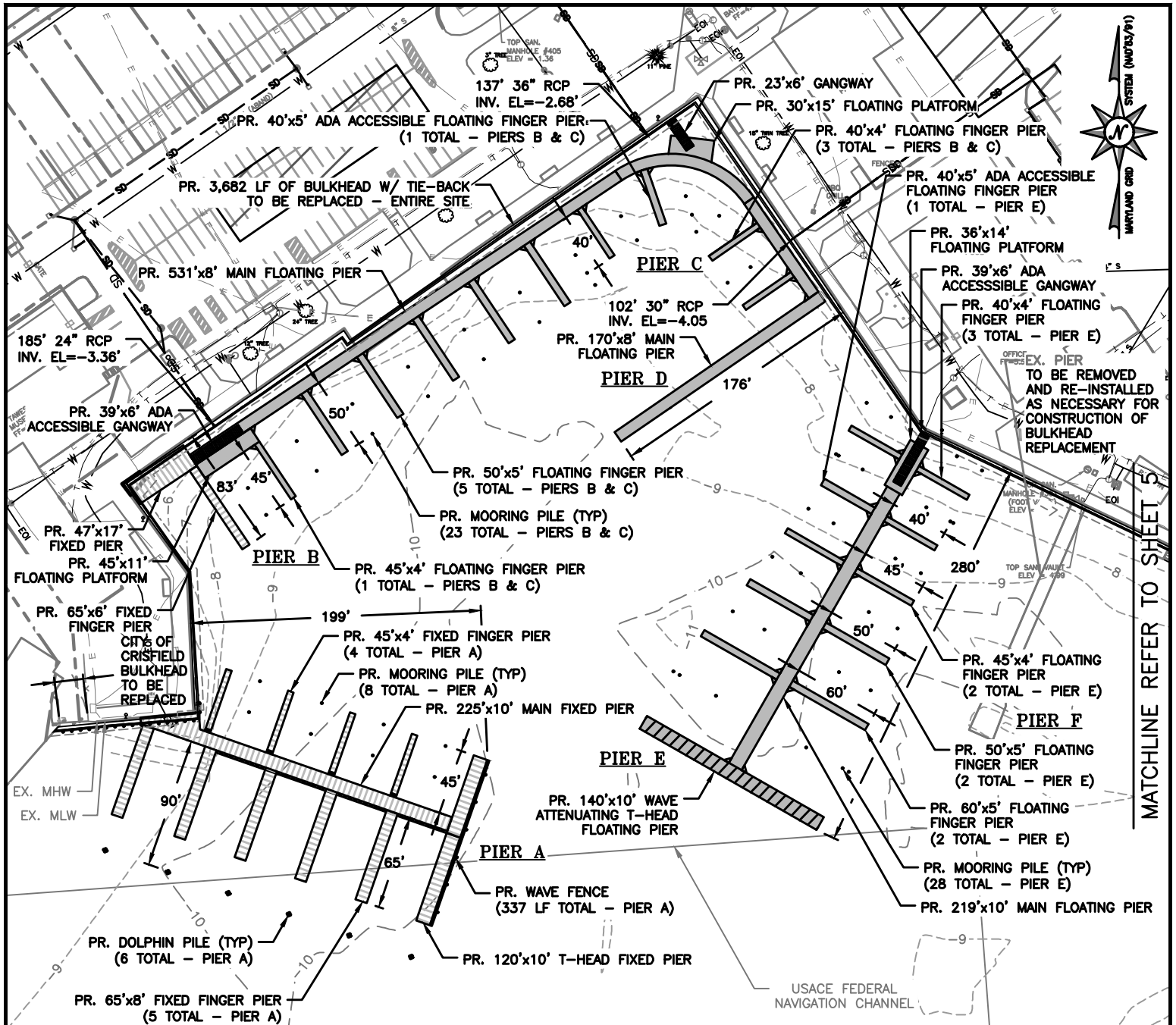


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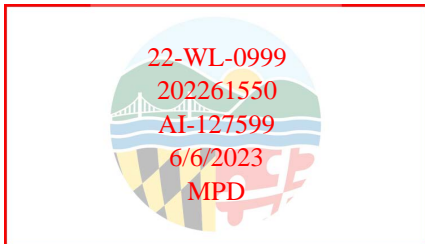
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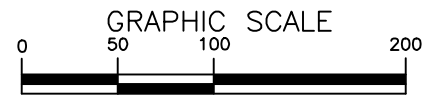


MATCHLINE REFER TO SHEET 5



**HATCH LEGEND**

- PR. FIXED PIER/PLATFORM
- PR. FLOATING PIER/PLATFORM
- PR. WAVE ATTENUATOR
- PR. GANGWAY



( IN FEET )  
1 INCH = 100 FEET

NOTE:  
BASEMAP TAKEN FROM AUGUST 2019  
DEPARTMENT OF NATURAL RESOURCES  
(DNR) SURVEY.

**REPLACEMENT OF BULKHEAD, STORM  
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AT  
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SOMERSET COUNTY, MD**

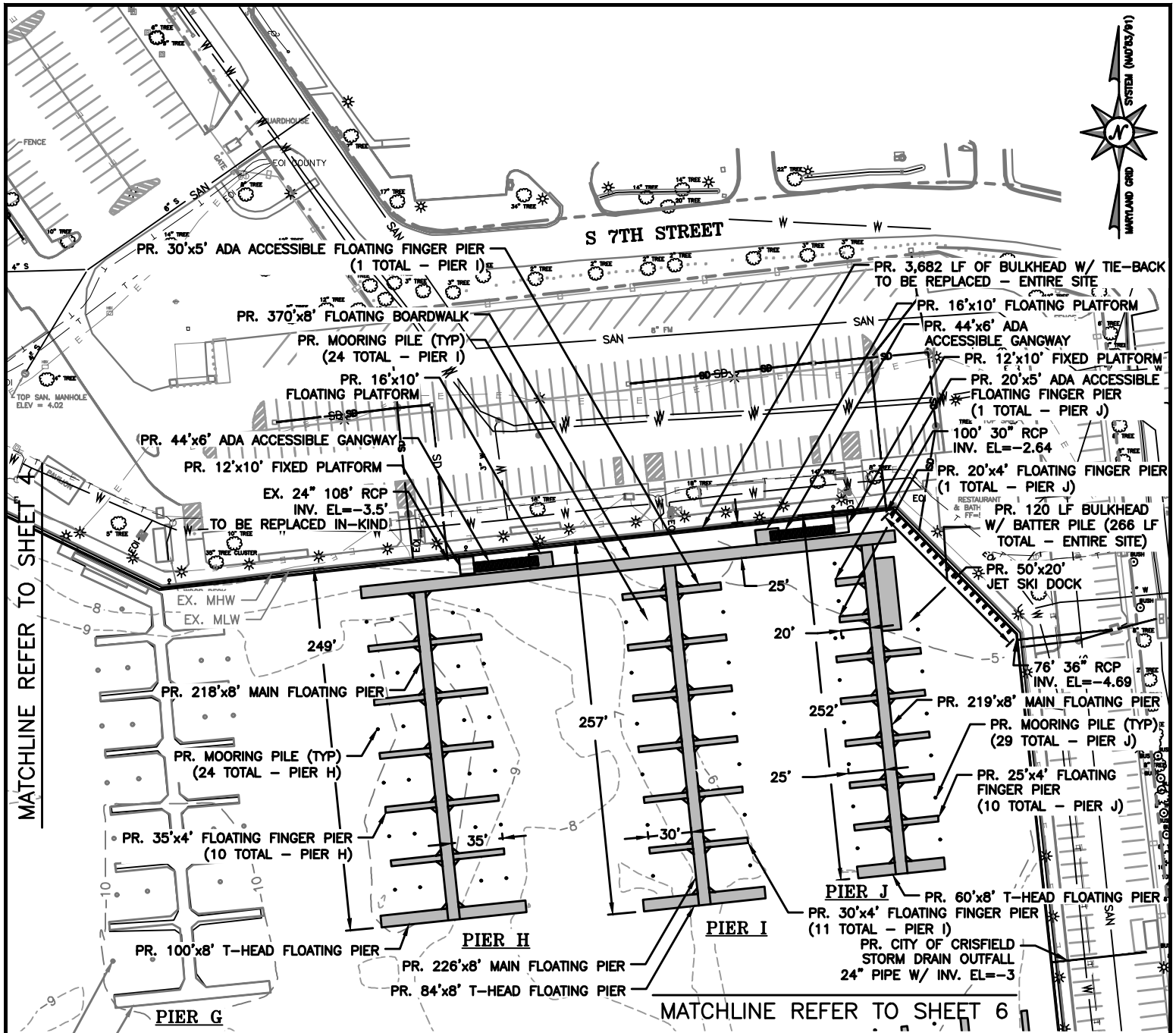
APPL. BY: MARYLAND DEPARTMENT OF NATURAL RESOURCES  
CITY OF CRISFIELD  
**SITE PLAN**

DATE: June 2023 SHEET 4 OF 17

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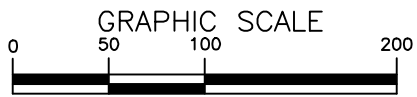
MATCHLINE REFER TO SHEET 4

MATCHLINE REFER TO SHEET 6



**HATCH LEGEND**

- PR. FIXED PIER/PLATFORM
- PR. FLOATING PIER/PLATFORM
- PR. GANGWAY



NOTE:  
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**REPLACEMENT OF BULKHEAD, STORM  
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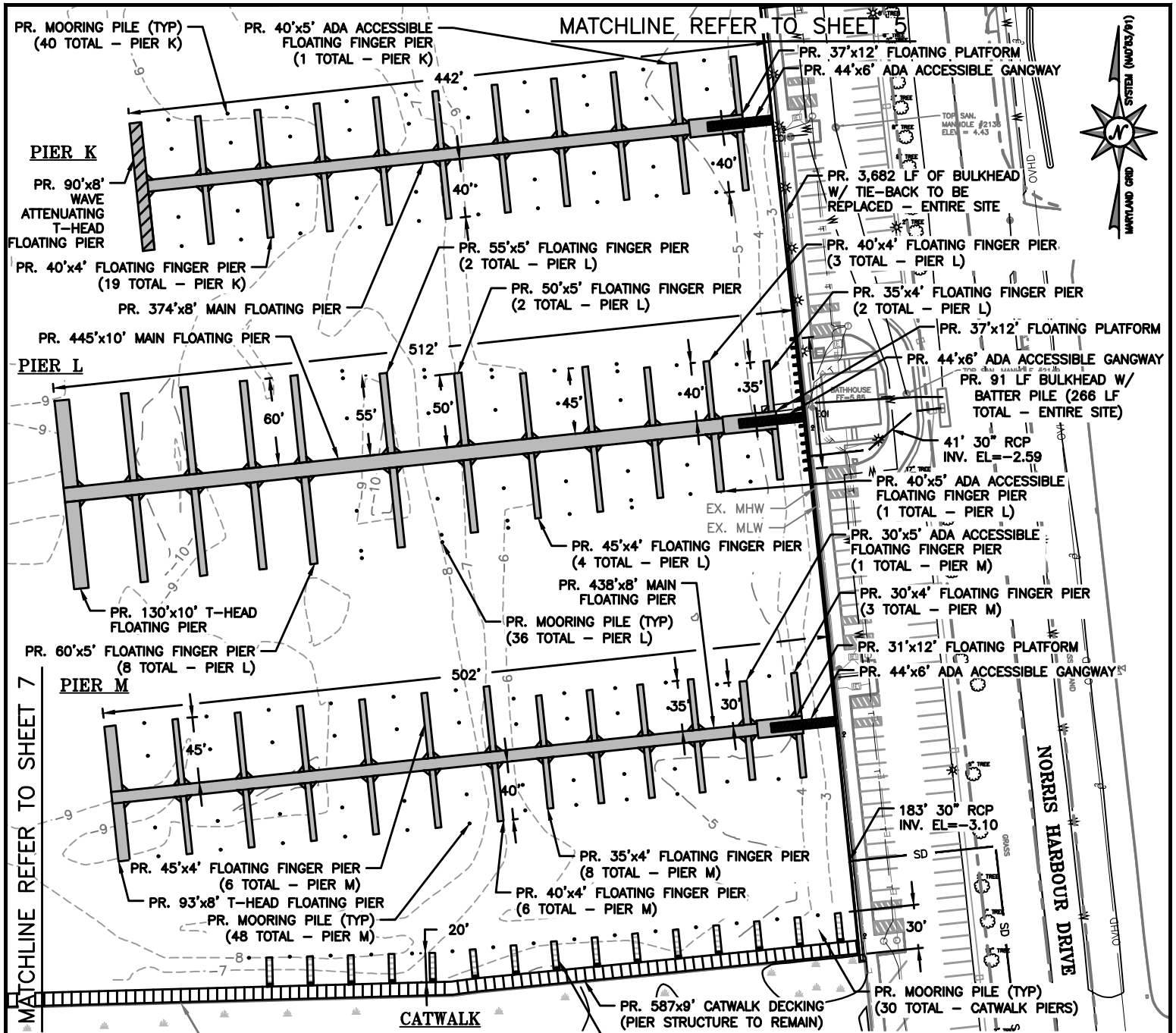
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DATE: June 2023 SHEET 5 OF 17

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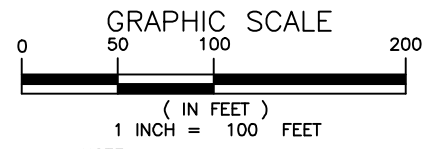
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**HATCH LEGEND**

- PR. FIXED PIER/PLATFORM
- PR. FLOATING PIER/PLATFORM
- PR. WAVE ATTENUATOR
- PR. GANGWAY



**REPLACEMENT OF BULKHEAD, STORM DRAINS, UTILITIES & BOAT RAMP AT SOMERS COVE MARINA SOMERSET COUNTY, MD**



APPL. BY: MARYLAND DEPARTMENT OF NATURAL RESOURCES  
CITY OF CRISFIELD  
**SITE PLAN**

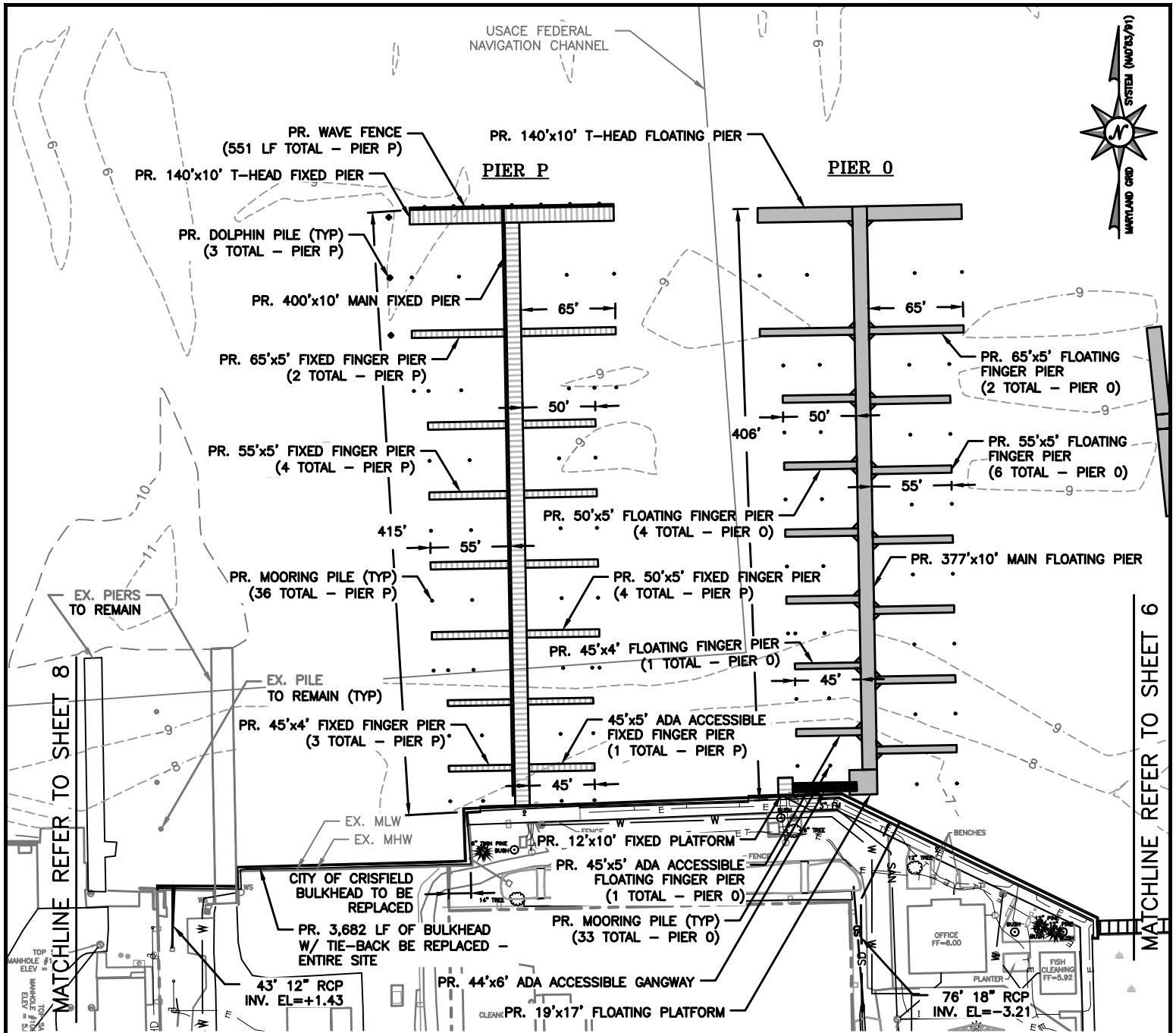
DATE: June 2023 SHEET 6 OF 17

NOTE: BASEMAP TAKEN FROM AUGUST 2019 DEPARTMENT OF NATURAL RESOURCES (DNR) SURVEY.

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USACE FEDERAL NAVIGATION CHANNEL

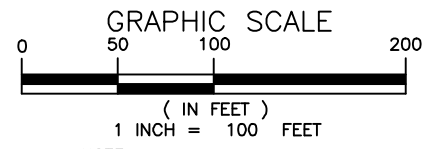


MATCHLINE REFER TO SHEET 8

MATCHLINE REFER TO SHEET 6

**HATCH LEGEND**

- PR. FIXED PIER/PLATFORM
- PR. FLOATING PIER/PLATFORM
- PR. GANGWAY



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**REPLACEMENT OF BULKHEAD, STORM  
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APPL. BY: MARYLAND DEPARTMENT OF NATURAL RESOURCES  
CITY OF CRISFIELD  
**SITE PLAN**

DATE: June 2023 SHEET 7 OF 17

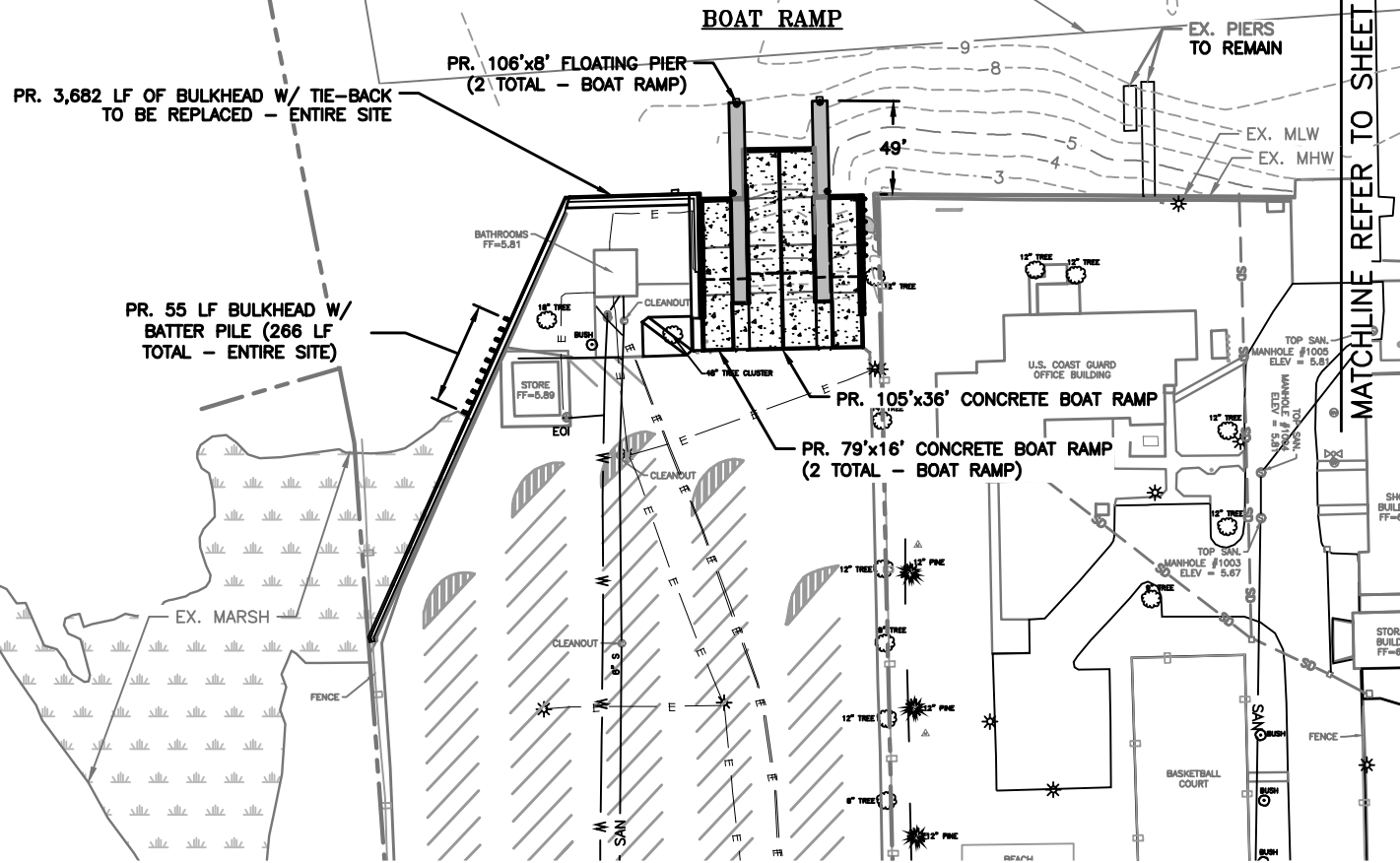
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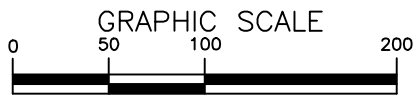
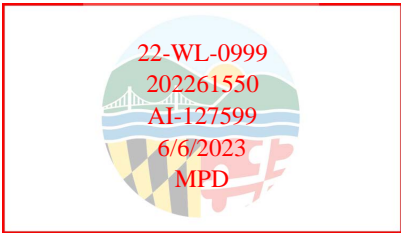
USACE FEDERAL NAVIGATION CHANNEL



MATCHLINE REFER TO SHEET 7

### HATCH LEGEND

-  PR. FLOATING PIER
-  PR. CONCRETE BOAT RAMP



**REPLACEMENT OF BULKHEAD, STORM DRAINS, UTILITIES & BOAT RAMP AT SOMERS COVE MARINA SOMERSET COUNTY, MD**

APPL. BY: MARYLAND DEPARTMENT OF NATURAL RESOURCES  
CITY OF CRISFIELD  
**SITE PLAN**

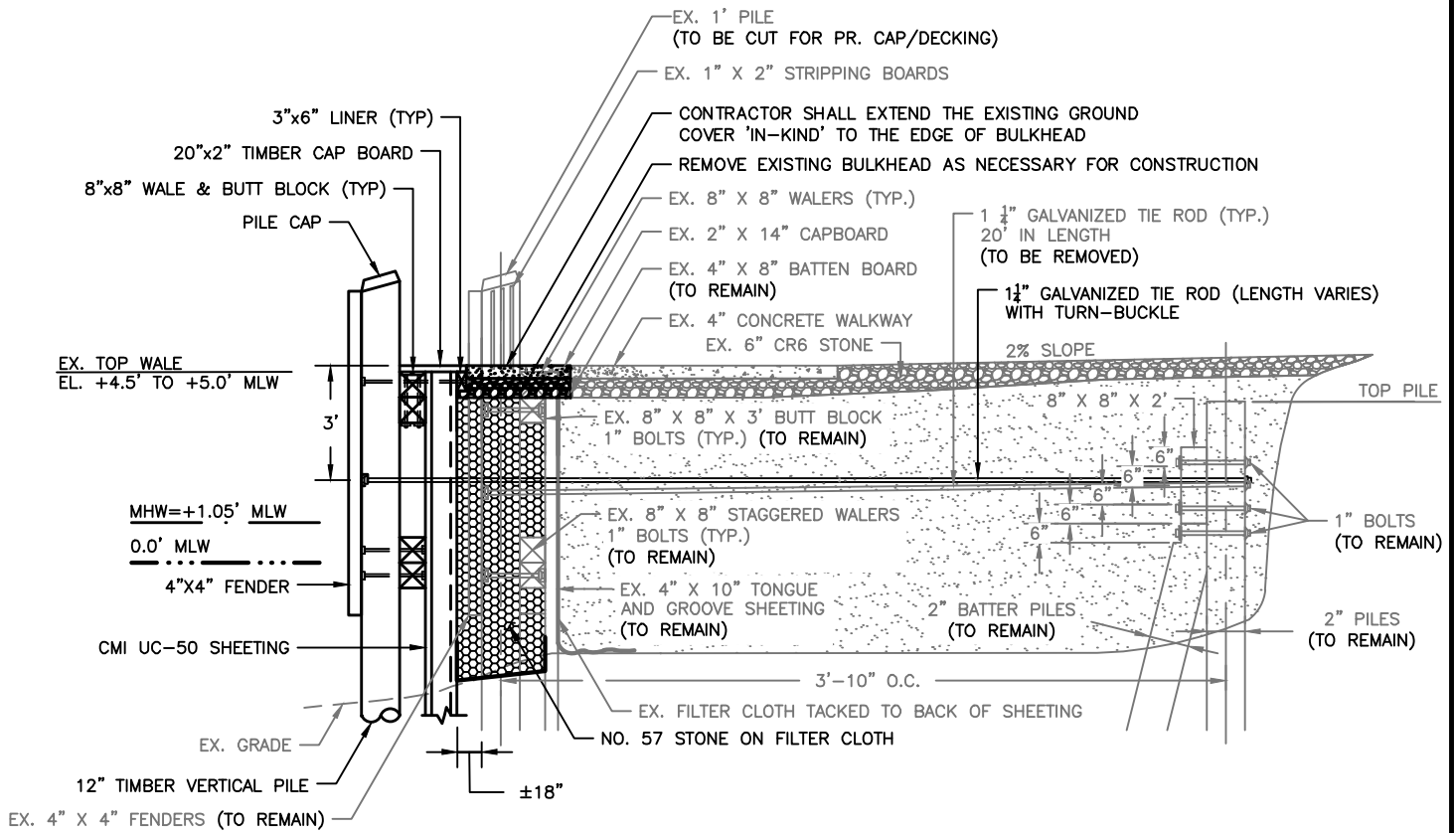
DATE: June 2023 SHEET 8 OF 17

NOTE:  
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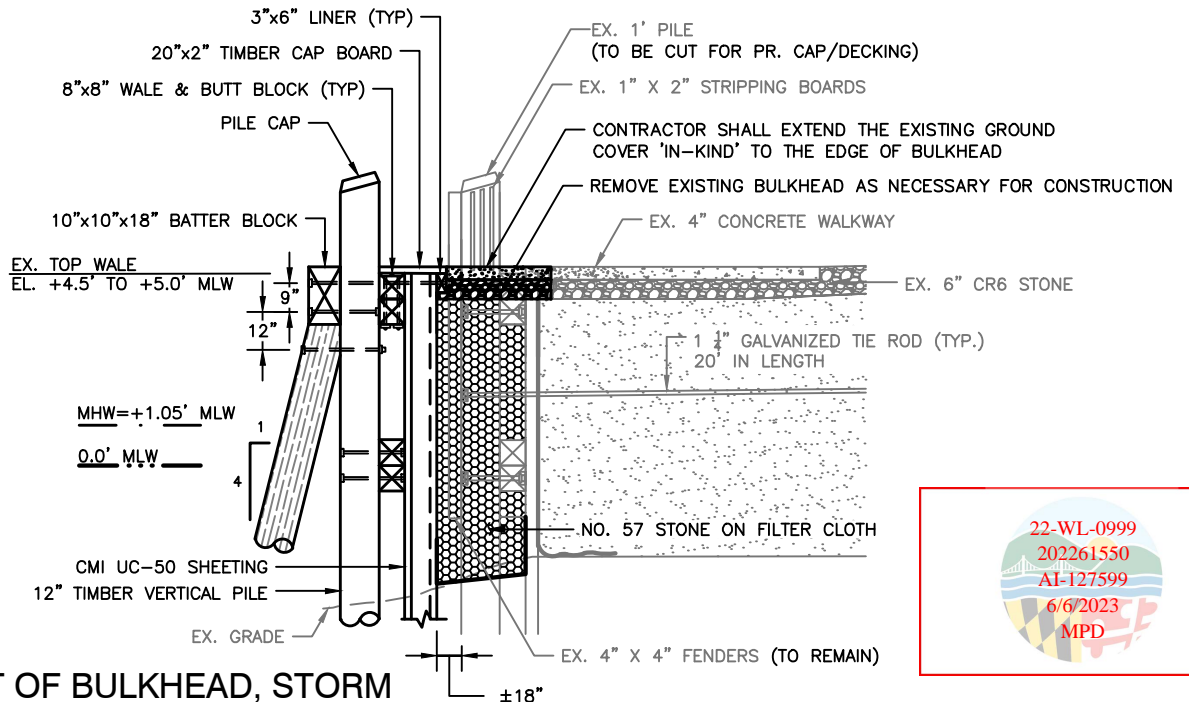
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**TYPICAL BULKHEAD WITH TIE-BACK REPLACEMENT DETAIL**

SCALE: NTS



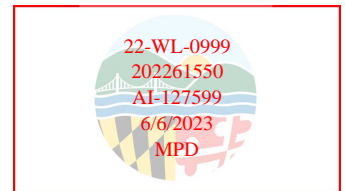
**TYPICAL BULKHEAD BATTER PILE DETAIL**

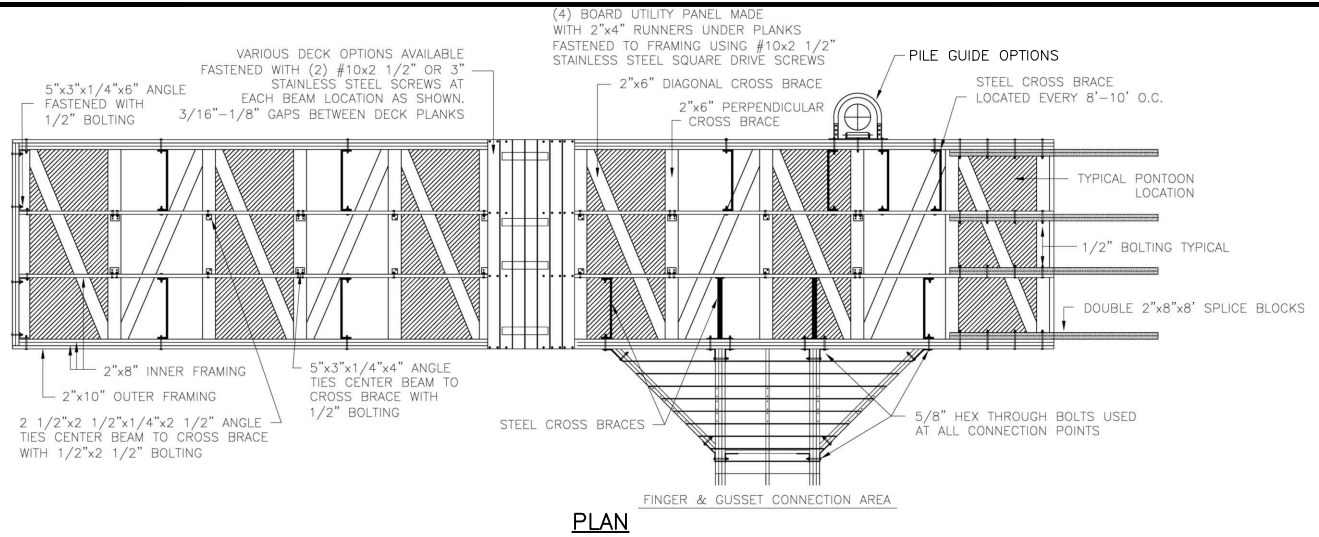
SCALE: NTS

**REPLACEMENT OF BULKHEAD, STORM  
DRAINS, UTILITIES & BOAT RAMP  
AT  
SOMERS COVE MARINA  
SOMERSET COUNTY, MD**

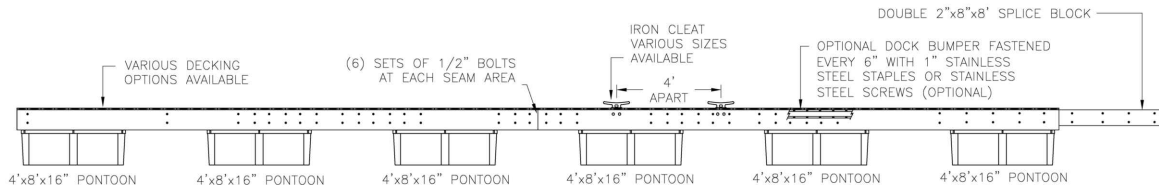
APPL. BY: MARYLAND DEPARTMENT OF NATURAL RESOURCES  
CITY OF CRISFIELD  
**SITE DETAILS**

DATE: June 2023 SHEET 9 OF 17





PLAN

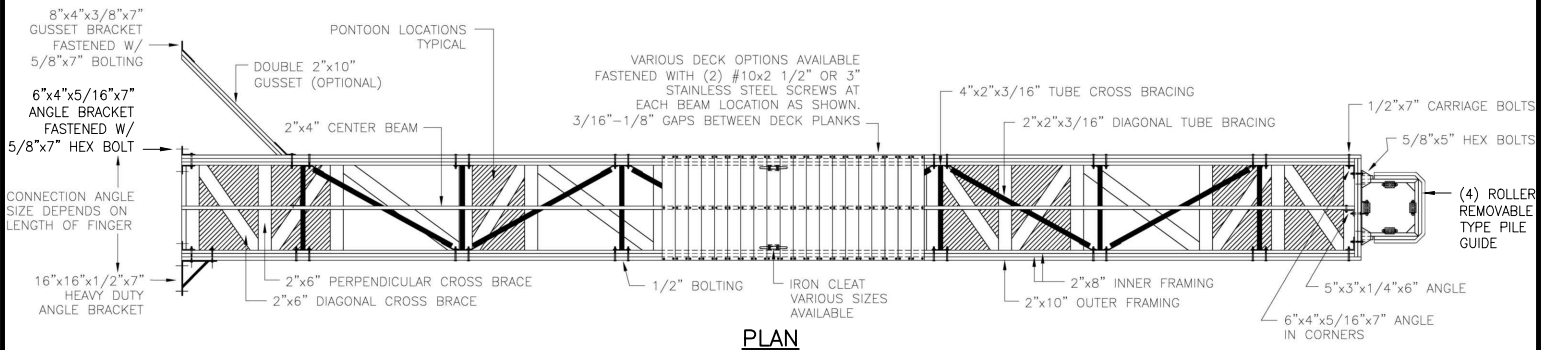


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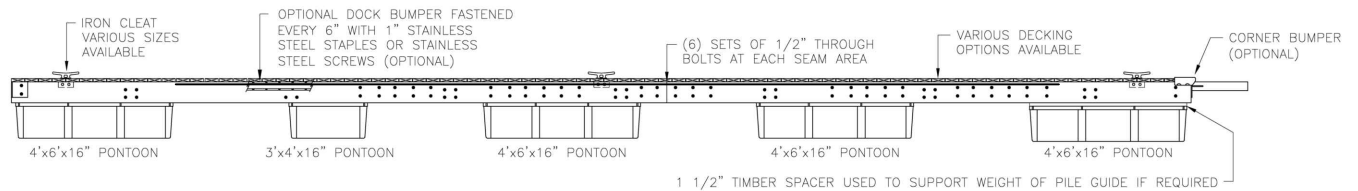
**TYPICAL 8' AND 10' MAIN DOCK**

SCALE: NTS

NOTE: ALL MAIN WALKWAY SECTIONS BUILT USING SAME CONSTRUCTION



PLAN



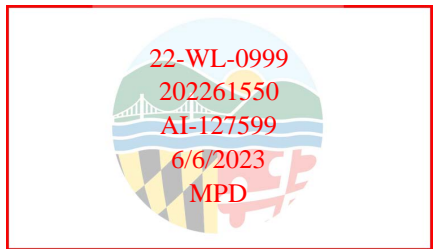
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**TYPICAL 4' AND 5' FINGER PIER**

SCALE: NTS

NOTE: ALL FINGER PIER SECTIONS BUILT USING SAME CONSTRUCTION

REPLACEMENT OF BULKHEAD, STORM  
DRAINS, UTILITIES & BOAT RAMP  
AT  
SOMERS COVE MARINA  
SOMERSET COUNTY, MD



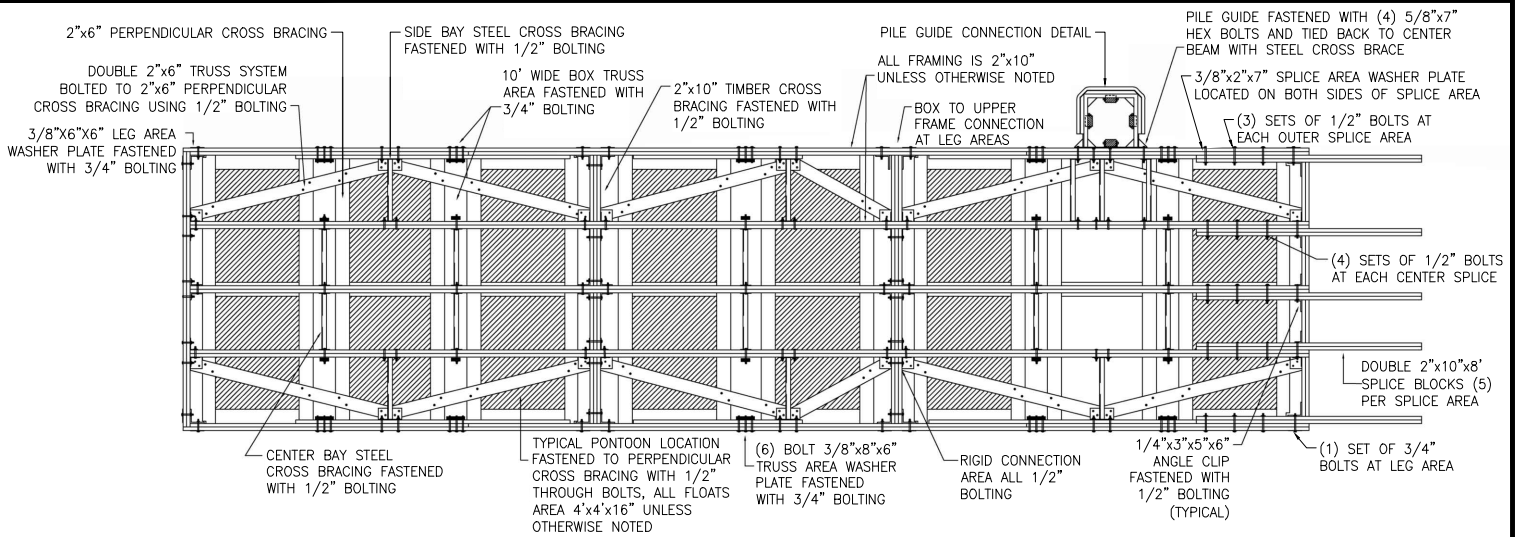
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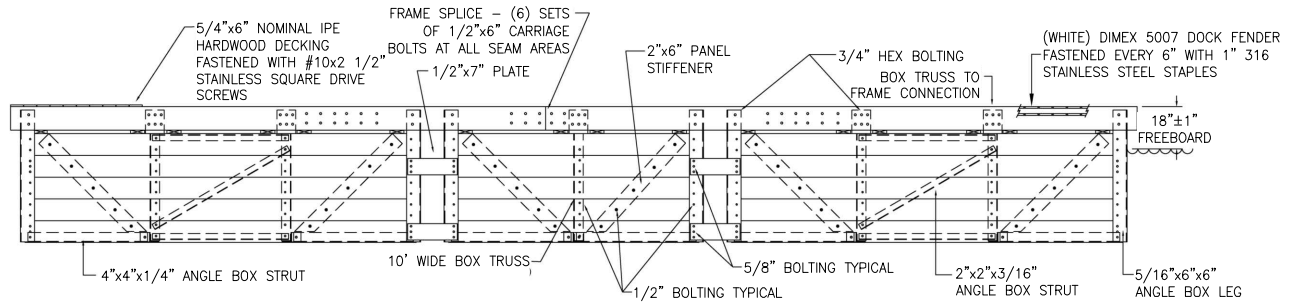
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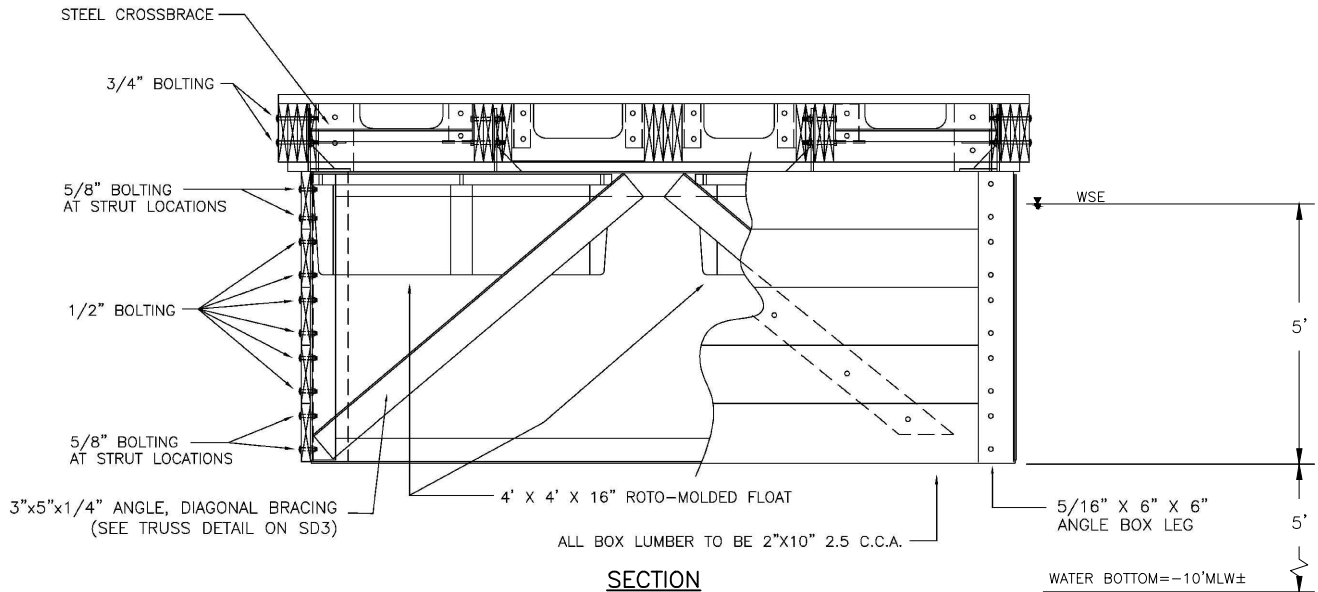




**PLAN**



**PROFILE**



**SECTION**

**TYPICAL WAVE ATTENUATOR**

SCALE: NTS

**REPLACEMENT OF BULKHEAD, STORM DRAINS, UTILITIES & BOAT RAMP AT SOMERS COVE MARINA SOMERSET COUNTY, MD**

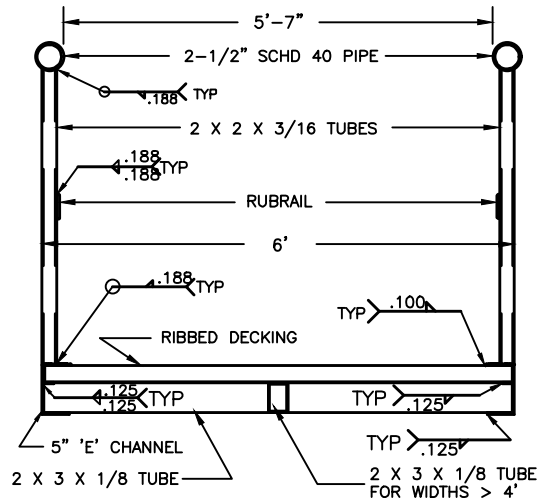
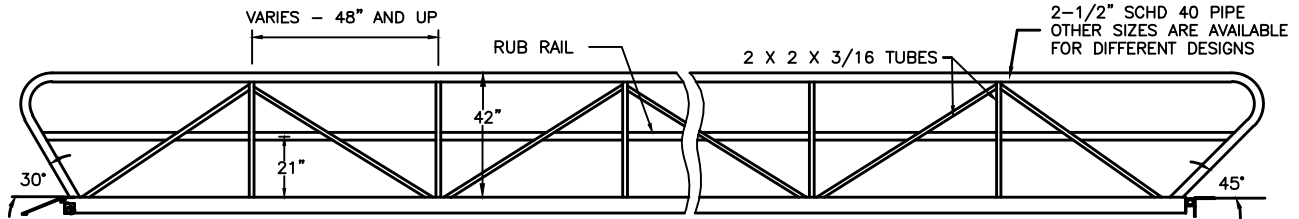
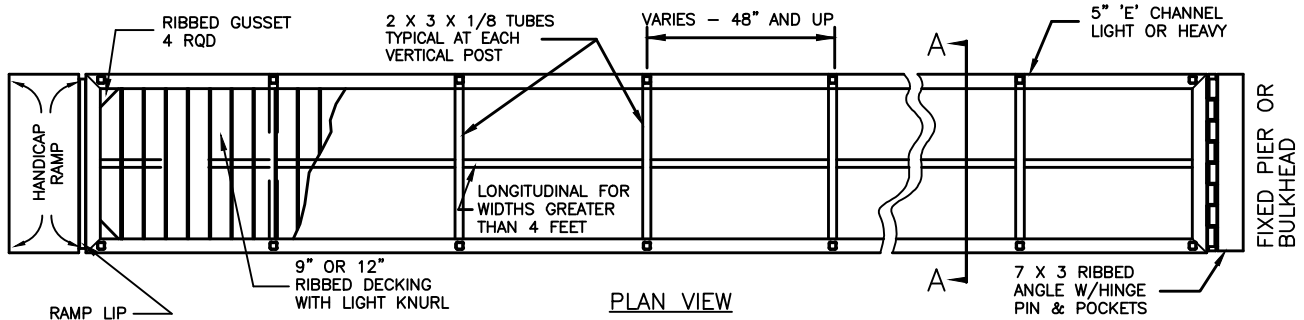
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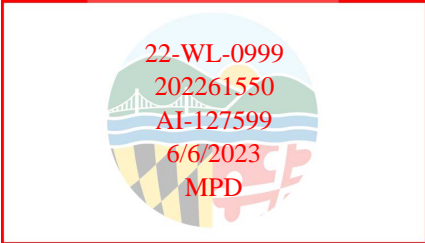
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SECTION A-A  
**TYPICAL GANGWAY DETAILS**  
 SCALE: NTS

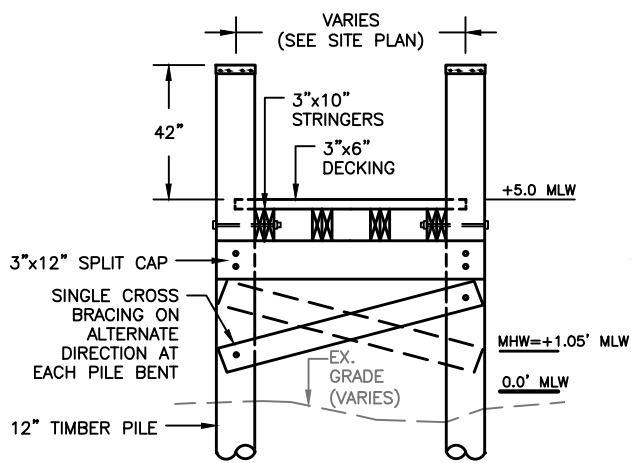


REPLACEMENT OF BULKHEAD, STORM  
 DRAINS, UTILITIES & BOAT RAMP  
 AT  
 SOMERS COVE MARINA  
 SOMERSET COUNTY, MD

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 CITY OF CRISFIELD  
**SITE DETAILS**

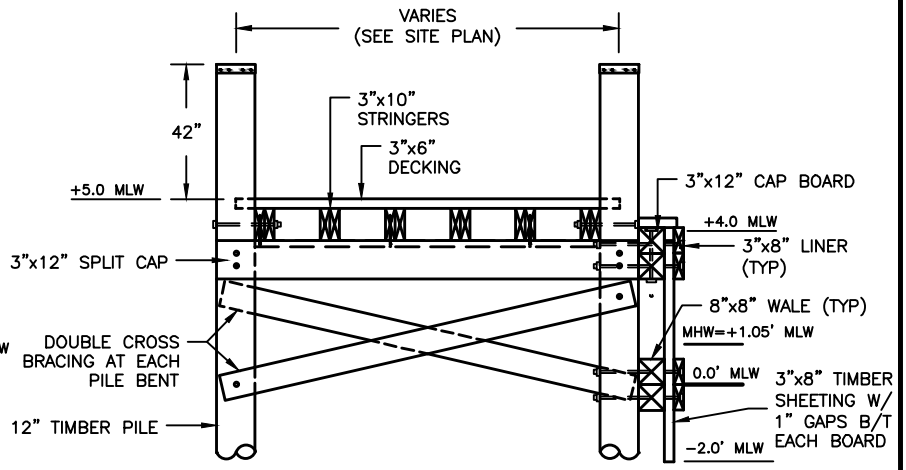
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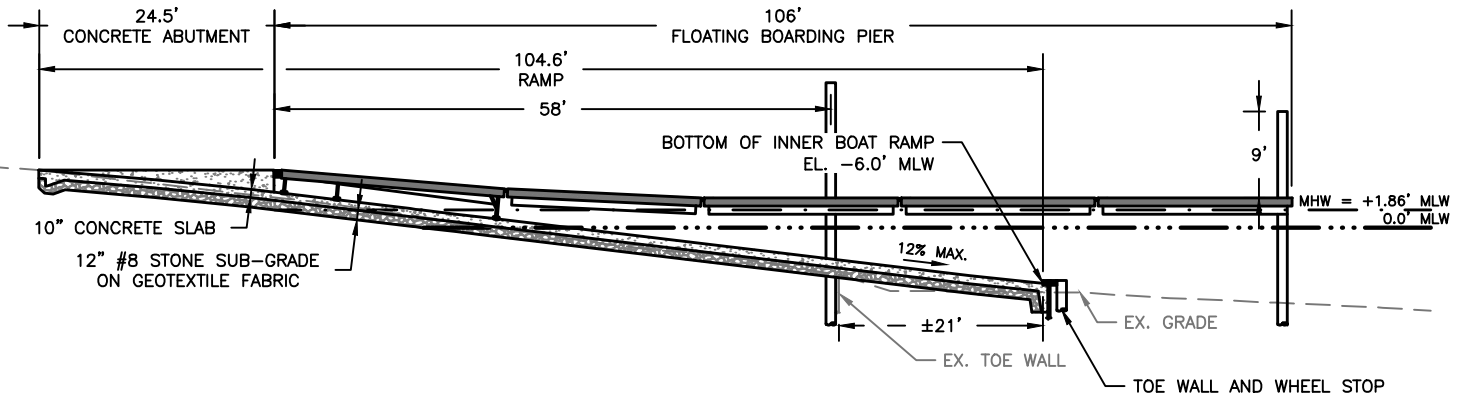
**TYPICAL FIXED FINGER  
PIER CROSS SECTION**

SCALE: NTS

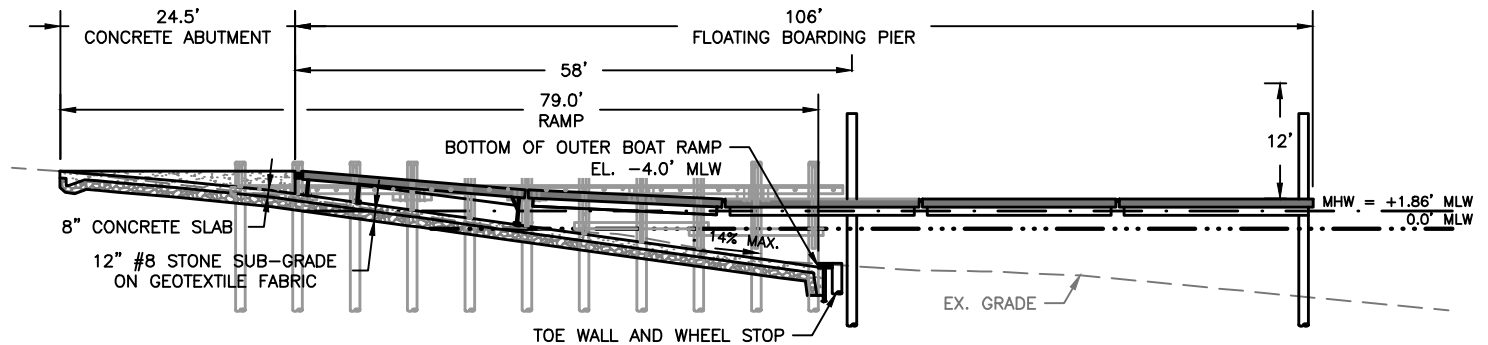


**TYPICAL FIXED MAIN PIER AND  
WAVE FENCE CROSS SECTION**

SCALE: NTS



**INNER LAUNCH**



**OUTER LAUNCH**

**BOAT RAMP PROFILE**

SCALE: NTS

**REPLACEMENT OF BULKHEAD, STORM  
DRAINS, UTILITIES & BOAT RAMP  
AT  
SOMERS COVE MARINA  
SOMERSET COUNTY, MD**

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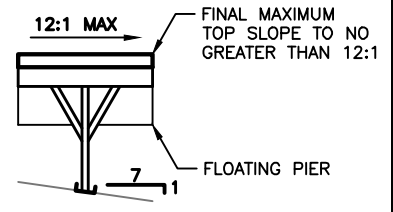
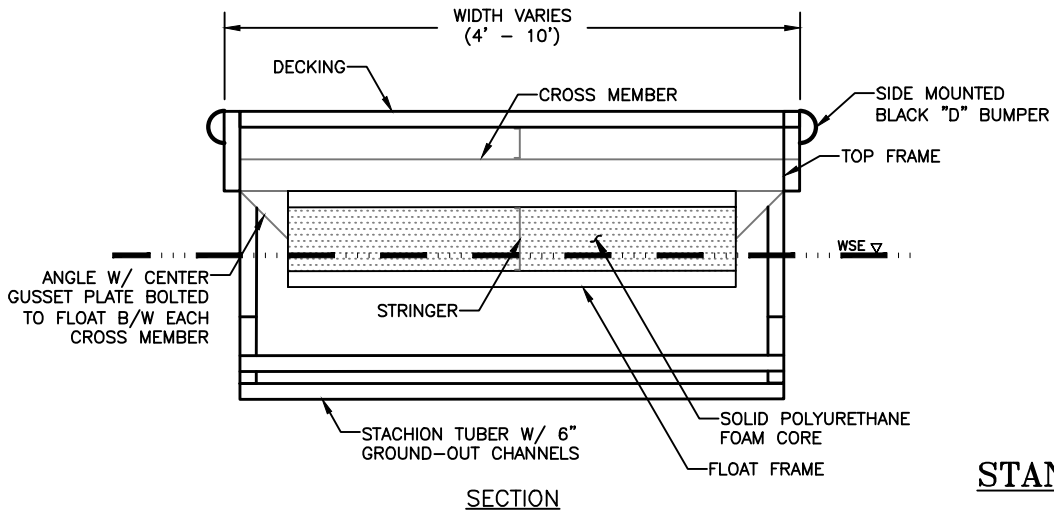
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**SITE DETAILS**

DATE: June 2023 SHEET 13 OF 17

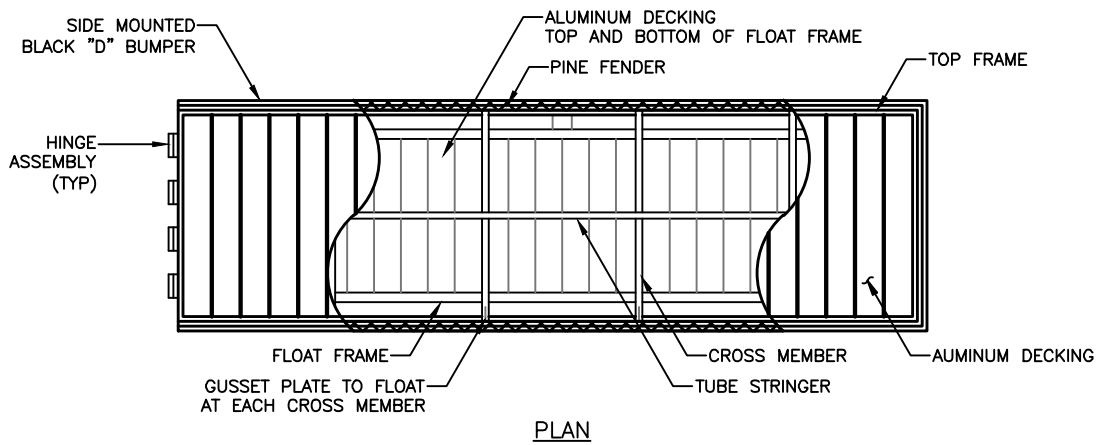
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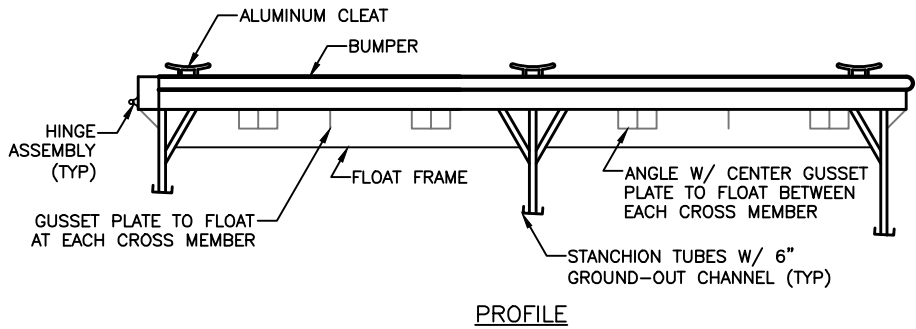
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**TYPICAL STANCHION DETAIL**  
SCALE: NTS



**PLAN**



**PROFILE**

**TYPICAL BOAT RAMP FLOATING PIER DETAILS**  
SCALE: NTS

REPLACEMENT OF BULKHEAD, STORM  
DRAINS, UTILITIES & BOAT RAMP  
AT  
SOMERS COVE MARINA  
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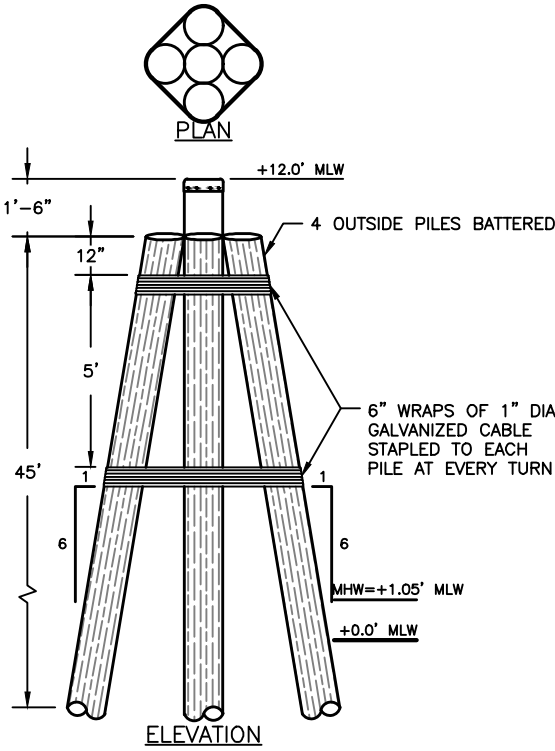
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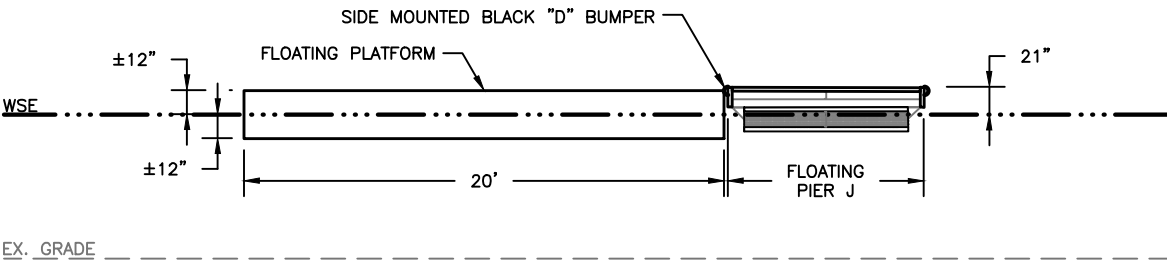
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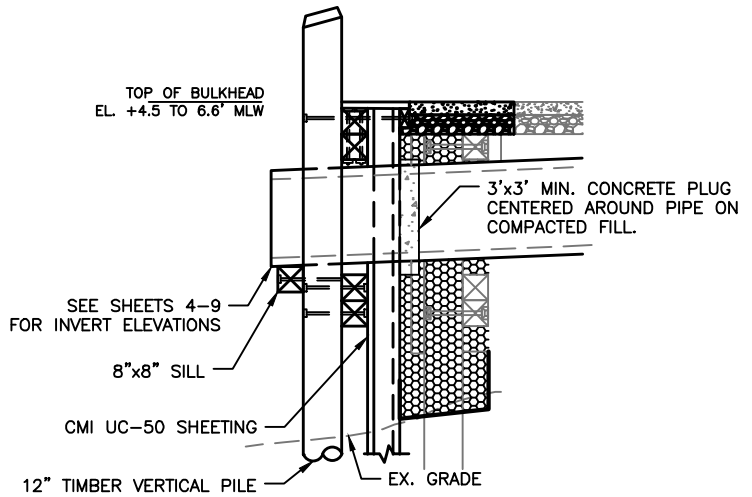
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 AI-127599  
 6/6/2023  
 MPD



**DOLPHIN PILE DETAIL**  
 SCALE: NTS



**JET SKI DOCK SECTION AT PIER J**  
 SCALE: NTS



**TYPICAL DRAIN OUTLET DETAIL**  
 SCALE: 1" = 5'

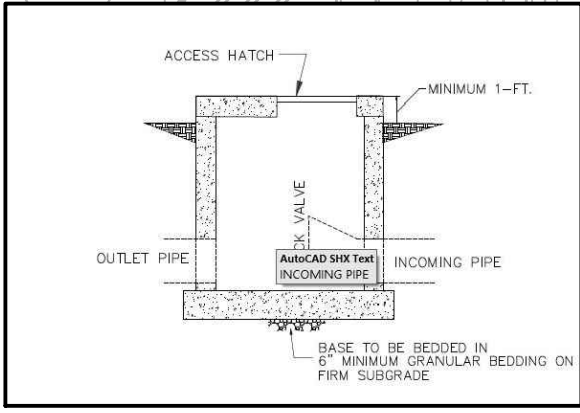
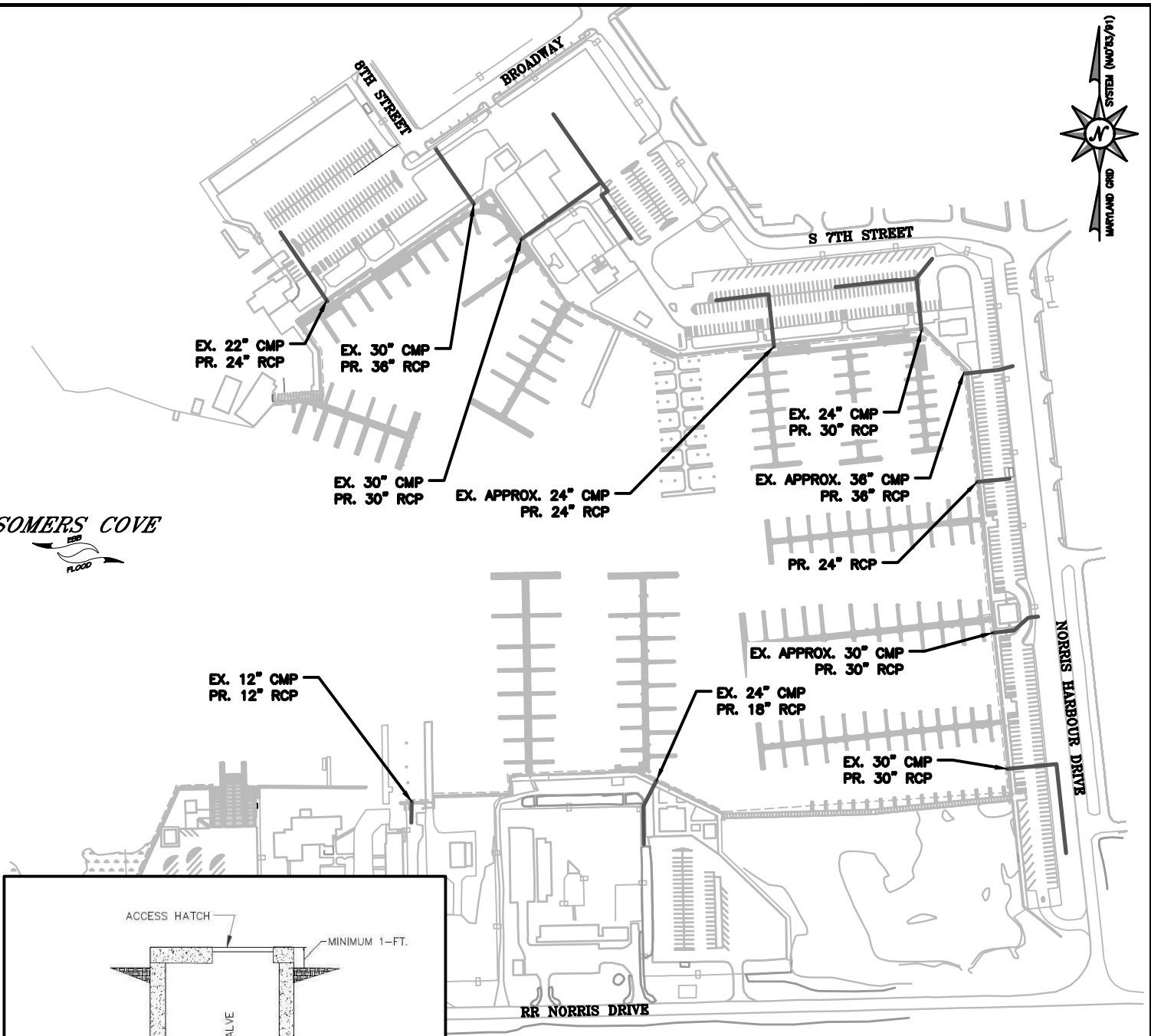
REPLACEMENT OF BULKHEAD, STORM  
 DRAINS, UTILITIES & BOAT RAMP  
 AT  
 SOMERS COVE MARINA  
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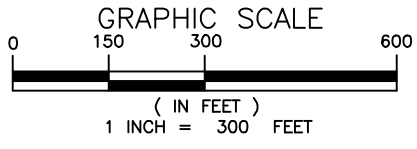
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**TIDE VALVE (TYP)**  
NTS



**REPLACEMENT OF BULKHEAD, STORM DRAINS, UTILITIES & BOAT RAMP AT SOMERS COVE MARINA SOMERSET COUNTY, MD**



APPL. BY: MARYLAND DEPARTMENT OF NATURAL RESOURCES  
CITY OF CRISFIELD  
**OUTFALLS MAP**

NOTE:  
BASEMAP TAKEN FROM AUGUST 2019 DEPARTMENT OF NATURAL RESOURCES (DNR) SURVEY.

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# PROJECT SUMMARY

# NOTES

## AREA OF EX. STRUCTURES OVER THE WATER TO BE REMOVED/REPLACED

PIER: 61,659 SF      MOORING PILES: 604  
 CATWALK: 5,895 SF      DOLPHIN PILES: 4  
 BOAT RAMP: 7,824 SF      STORM DRAIN OUTFALL: 10

- BATHYMETRIC SURVEY PERFORMED BY DEPARTMENT OF NATURAL RESOURCES (DNR) IN AUGUST 2019.
- CONTOURS ARE IN FEET AND REFER TO MLW.
- TIDAL RANGE ~1.8 FEET.
- THESE ARE PERMIT DRAWINGS ONLY AND SUBJECT TO CHANGE DURING THE PERMIT PROCESS. DESIGN DRAWINGS ARE TO BE PREPARED SEPARATELY.

## AREA OF PR. STRUCTURES OVER THE WATER TO BE CONSTRUCTED

18" BULKHEAD - 5,922 SF (3,948 LF) TOTAL  
 TIE-BACK BULKHEAD (3,682'x1.5') - 5,523 SF  
 BATTER PILE WALL (266'x1.5) - 399 SF

**PIER A:**  
 12" TIMBER WAVE FENCE (337'x1.0') - 337 SF  
 10' WIDE MAIN FIXED TIMBER PIER (225'x10') - 2,250 SF  
 10' WIDE T-HEAD FIXED PIER (120'x10') - 1,200 SF  
 (5) 65' FIXED FINGER PIER (65'x8') - 2,600 SF  
 (4) 45' FIXED FINGER PIER (45'x4') - 720 SF

**TOTAL "PIER A" FOOTPRINT - 7,107 SF**

MOORING PILE - 8  
 DOLPHIN PILE - 6

**PIER B & C:**  
 17' WIDE FIXED PIER (47'x17') - 799 SF  
 8' WIDE MAIN FLOATING PIER (531'x8') - 4,248 SF  
 11' WIDE FLOATING PLATFORM (45'x11') - 495 SF  
 15' WIDE FLOATING PLATFORM (30'x15') - 450 SF  
 (1) 65' FIXED FINGER PIER (65'x6') - 390 SF  
 (5) 50' FLOATING FINGER PIER (50'x5') - 1,250 SF  
 (1) 45' FLOATING FINGER PIER (45'x4') - 180 SF  
 (3) 40' FLOATING FINGER PIER (40'x4') - 480 SF  
 (1) 40' ADA FLOATING FINGER PIER (40'x5') - 200 SF

**TOTAL "PIER B & C" FOOTPRINT - 8,492 SF**

MOORING PILE - 23  
 NON-ADA ACCESSIBLE GANGWAY (23'x6') - 138 SF  
 ADA-ACCESSIBLE GANGWAY (39'x6') - 234 SF

### PIER D:

8' WIDE FLOATING PIER (170'x8') - 1,360 SF

**PIER E:**  
 14' WIDE FLOATING PLATFORM (36'x14') - 504 SF  
 10' WIDE MAIN FLOATING PIER (219'x10') - 2,190 SF  
 10' WIDE T-HEAD FLOATING PIER (140'x10') - 1,400 SF  
 (2) 60' FLOATING FINGER PIER (60'x5') - 600 SF  
 (2) 50' FLOATING FINGER PIER (50'x5') - 500 SF  
 (2) 45' FLOATING FINGER PIER (45'x4') - 360 SF  
 (3) 40' FLOATING FINGER PIER (40'x4') - 480 SF  
 (1) 40' ADA FLOATING FINGER PIER (40'x5') - 200 SF

**TOTAL "PIER E" FOOTPRINT - 6,234 SF**

MOORING PILE - 28  
 ADA-ACCESSIBLE GANGWAY (39'x6') - 234 SF

### PIER H:

8' WIDE MAIN FLOATING PIER (218'x8') - 1,744 SF  
 8' WIDE T-HEAD FLOATING PIER (100'x8') - 800 SF  
 (10) 35' FLOATING FINGER PIER (35'x4') - 1,400 SF

**TOTAL "PIER H" FOOTPRINT - 3,944 SF**

MOORING PILE - 24

**PIER I:**  
 8' WIDE MAIN FLOATING PIER (228'x8') - 1,808 SF  
 8' WIDE T-HEAD FLOATING PIER (84'x8') - 672 SF  
 (11) 30' FLOATING FINGER PIER (30'x4') - 1,320 SF  
 (1) 30' ADA FLOATING FINGER PIER (30'x5') - 150 SF

**TOTAL "PIER I" FOOTPRINT - 3,950 SF**

MOORING PILE - 24

**PIER J:**  
 8' WIDE MAIN FLOATING PIER (219'x8') - 1,752 SF  
 8' WIDE T-HEAD FLOATING PIER (60'x8') - 480 SF  
 20' WIDE JET SKI DOCK (50'x20') - 1,000 SF  
 (10) 25' FLOATING FINGER PIER (25'x4') - 1,000 SF  
 (1) 20' FLOATING FINGER PIER (20'x4') - 80 SF  
 (1) 20' ADA FLOATING FINGER PIER (20'x5') - 100 SF

**TOTAL "PIER J" FOOTPRINT - 4,412 SF**

MOORING PILE - 29

**FLOATING BOARDWALK TO PIERS I, J, K:**  
 (2) 10' WIDE FIXED PLATFORM (12'x10') - 240 SF  
 (2) 10' WIDE FLOATING PLATFORM (16'x10') - 320 SF  
 8' WIDE FLOATING BOARDWALK (370'x8') - 2,960 SF

**TOTAL "FLOATING BOARDWALK" FOOTPRINT - 3,520 SF**

(2) ADA-ACCESSIBLE GANGWAY (44'x6') - 528 SF

**PIER K:**  
 12' WIDE FLOATING PLATFORM (37'x12') - 444 SF  
 10' WIDE MAIN FLOATING PIER (374'x8') - 2,992 SF  
 8' WIDE T-HEAD FLOATING PIER (90'x8') - 720 SF  
 (19) 40' FLOATING FINGER PIER (40'x4') - 3,040 SF  
 (1) 40' ADA FLOATING FINGER PIER (40'x5') - 200 SF

**TOTAL "PIER K" FOOTPRINT - 7,396 SF**

MOORING PILE - 40  
 ADA-ACCESSIBLE GANGWAY (44'x6') - 264 SF

**PIER L:**  
 12' WIDE FLOATING PLATFORM (37'x12') - 444 SF  
 10' WIDE MAIN FLOATING PIER (445'x10') - 4,450 SF  
 10' WIDE T-HEAD FLOATING PIER (130'x10') - 1,300 SF  
 (8) 60' FLOATING FINGER PIER (60'x5') - 2,400 SF  
 (2) 55' FLOATING FINGER PIER (55'x5') - 550 SF  
 (2) 50' FLOATING FINGER PIER (50'x5') - 500 SF  
 (4) 45' FLOATING FINGER PIER (45'x4') - 720 SF  
 (3) 40' FLOATING FINGER PIER (40'x4') - 480 SF  
 (1) 40' ADA FLOATING FINGER PIER (40'x5') - 200 SF  
 (2) 35' FLOATING FINGER PIER (35'x4') - 280 SF

**TOTAL "PIER L" FOOTPRINT - 11,324 SF**

MOORING PILE - 36  
 ADA-ACCESSIBLE GANGWAY (44'x6') - 264 SF

**PIER M:**  
 12' WIDE FLOATING PLATFORM (31'x12') - 372 SF  
 8' WIDE MAIN FLOATING PIER (438'x8') - 3,504 SF  
 8' WIDE T-HEAD FLOATING PIER (93'x8') - 744 SF  
 (6) 45' FLOATING FINGER PIER (45'x4') - 1,080 SF  
 (6) 40' FLOATING FINGER PIER (40'x4') - 960 SF  
 (8) 35' FLOATING FINGER PIER (35'x4') - 1,120 SF  
 (3) 30' FLOATING FINGER PIER (30'x4') - 360 SF  
 (1) 30' ADA FLOATING FINGER PIER (30'x5') - 150 SF

**TOTAL "PIER M" FOOTPRINT - 8,290 SF**

MOORING PILE - 48  
 ADA-ACCESSIBLE GANGWAY (44'x6') - 264 SF

**CATWALK:**  
 9' WIDE CATWALK (DECKING & STRINGERS ONLY)  
 (587'x9') - 5,283 SF  
 (15) 20' FIXED FINGER PIER (20'x4') - 1,200 SF

**TOTAL "CATWALK" FOOTPRINT - 6,483 SF**

MOORING PILE - 30

**PIER O:**  
 10' WIDE FIXED PLATFORM (12'x10') - 120 SF  
 17' WIDE FLOATING PLATFORM (19'x17') - 323 SF  
 10' WIDE MAIN FLOATING PIER (377'x10') - 3,770 SF  
 10' WIDE T-HEAD FLOATING PIER (140'x10') - 1,400 SF  
 (2) 65' FLOATING FINGER PIER (65'x5') - 650 SF  
 (6) 55' FLOATING FINGER PIER (55'x5') - 1,650 SF  
 (4) 50' FLOATING FINGER PIER (50'x5') - 1,000 SF  
 (1) 45' FLOATING FINGER PIER (45'x4') - 180 SF  
 (1) 45' ADA FLOATING FINGER PIER (45'x5') - 225 SF

**TOTAL "PIER O" FOOTPRINT - 9,318 SF**

MOORING PILE - 33  
 ADA-ACCESSIBLE GANGWAY (44'x6') - 264 SF

**PIER P:**  
 12" TIMBER WAVE FENCE (551'x1.0') - 551 SF  
 10' WIDE MAIN FIXED PIER (400'x10') - 4,000 SF  
 10' WIDE T-HEAD FIXED PIER (140'x10') - 1,400 SF  
 (2) 65' FIXED FINGER PIER (65'x5') - 650 SF  
 (4) 55' FIXED FINGER PIER (55'x5') - 1,100 SF  
 (4) 50' FIXED FINGER PIER (50'x5') - 1,000 SF  
 (3) 45' FIXED FINGER PIER (45'x4') - 540 SF  
 (1) 45' ADA FIXED FINGER PIER (45'x5') - 225 SF

**TOTAL "PIER P" FOOTPRINT - 9,466 SF**

MOORING PILE - 36  
 DOLPHIN PILE - 3

**BOAT RAMP REPLACEMENT:**  
 36' WIDE BOAT RAMP (105'x36') - 3,780 SF  
 (2) 16' WIDE BOAT RAMP (79'x16') - 2,528 SF  
 (2) 8' WIDE FLOATING PIER (106'x8') - 1,696 SF

**TOTAL "BOAT RAMP" FOOTPRINT - 8,004 SF**  
**TOTAL "BOAT RAMP" IMPACTS FROM MHW INTO TIDAL WATERS - 4,939 SF**

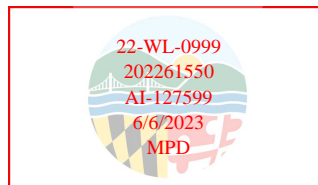
(282) TOTAL GUSSETS ON FLOATING PIERS (8 SF EA.) - 2,256 SF

**TOTAL NEW STORM DRAINS**  
 (1) CITY OF CRISFIELD STORM DRAIN OUTFALL

## IMPACT SUMMARY

TOTAL PROPOSED IMPACT = 107,876 SF (2.48 ACRES)  
 TOTAL AREA OF IMPACT FROM MHW INTO TIDAL WATERS = 104,811 SF (2.41 ACRES)  
 TOTAL AREA OF IMPACT TO SHALLOW WATER HABITAT = 4,664 SF (0.11 ACRES)  
 TOTAL AREA OF IMPACT TO TIDAL WETLANDS = 0 SF (0.00 ACRES)

## REPLACEMENT OF BULKHEAD, STORM DRAINS, UTILITIES & BOAT RAMP AT SOMERS COVE MARINA SOMERSET COUNTY, MD



APPL. BY: MARYLAND DEPARTMENT OF NATURAL RESOURCES  
 CITY OF CRISFIELD

## SITE NOTES

DATE: June 2023 SHEET 17 OF 17