State of Maryland
**Board of Public Works**
Wetlands Administration
80 Calvert Street, Room 117, Annapolis, Maryland 21401
410-260-7791

William Morgante, PWS
*Wetlands Administrator*

Wes Moore
*Governor*

Dereck E. Davis
*Treasurer*

Brooke Lierman
*Comptroller*

John T. Gontrum, Esq.
*Executive Secretary*

# WETLAND LICENSE NO. 23-0762
# TRADEPOINT TIL TERMINALS (TTT) LLC

The Maryland Board of Public Works authorizes you to:

I. **Excavation**: Excavate approximately 133,361 cubic yards of upland material to create 6.37 acres (277,329 square feet) of tidal open water with depths ranging from mean high water to -52.22 MLW. The excavated upland material will be reused or disposed of on site or at appropriate upland facilities.

II. **Dredging**: Mechanically dredge a 135.68-acre (5,907,855 square foot) channel to a depth of 52.22 feet at mean low water; and to deposit approximately 4.2 million cubic yards (MCY) of dredged material at the following approved placement sites: a maximum of 350,000 CY of slag will be reused on site, a maximum of 1.7 MCY at the High Head Industrial Basin dredge material containment facility (DMCF), a maximum of 1.57 MCY at the Norfolk Ocean Disposal Site (NODS), and a maximum of 1.25 MCY at either Maryland Port Authority (MPA) Cox Creek DMCF or Masonville DMCF.

III. Provide for periodic maintenance dredging for six years.

IV. **Wharf Construction**:

1. Fill 0.29 acres (12,468 square feet) of open water;
2. Construct 3,310 linear feet of stone or concrete revetment within a maximum of 171 feet channelward of the proposed mean high water line;
3. Construct an 8.82-acre (384,000 square foot) marginal wharf, supported with one hundred and fiftythree (153), 30-inch diameter piles; and one thousand and sixty-one (1,061), 36-inch diameter piles
4. along 3,000 linear feet of shoreline, extending a maximum of 128.5 feet channelward of the proposed mean high water line. The wharf will include nine Ship to Shore (STS) cranes with active
5. cranes extending a maximum of 330 feet above the wharf platform and stored cranes extending a maximum height of 484 feet above the wharf platform. The wharf will also include rail and other
6. accessory features required for the function of a marine container terminal.
7. Construct three 60-inch diameter stormwater discharges with associated stone outfall structures:
   a. Outfall 1: 626 square feet within 20 feet channelward of the mean high water line;
   b. Outfall 2: 280 square feet within 23 feet channelward of the mean high water line;

c. Outfall 3: 800 square feet within 98 feet channelward of the mean high water line;

The construction of these outfalls includes construction of a temporary cofferdams that result in a total temporary impact of 2,479 square feet.

V. **Temporary High Head DMCF Outfall**: Construct a new 650-foot long temporary outfall for DMCF dewatering activity consisting of a 24-inch diameter feeder line pipe extending 550 feet channelward of the mean high water line with an associated 18-inch diameter multiport diffuser extending a maximum of 650 feet channelward of the mean high water line.

*Patapsco River, Coke Point Peninsula at Tradepoint Atlantic, 6995 Bethlehem Boulevard, Suite 100, Baltimore City, Maryland*

Issuance of this Tidal Wetlands License constitutes the State's determination that the authorized activities are consistent with the Maryland Coastal Zone Management Program (CZMP), as required by Section 307 of the Federal Coastal Zone Management Act of 1972, as amended [16 U.S.C. §1456]. Accordingly, the State concurs with the Licensee's certification in the Joint Permit Application that the project complies with and will be conducted in a manner consistent with the Maryland CZMP.

**THIS LICENSE AUTHORIZES YOU TO PERFORM THE WORK ONLY IF YOU COMPLY WITH THE FOLLOWING SPECIAL CONDITION(S):**

A. Due to the presence of anadromous fish, no dredging shall occur between April 1 and October 1 of any year.

B. Dredge Material Disposal and Best Management Practice (BMP) Plan. No dredging activity can commence prior to the Tidal Wetlands Division's approval of the Dredge Material Disposal and BMP Plan. The Dredge Material Disposal and BMP Plan shall be submitted for review and approval at least 30 days prior to the commencement of any dredging authorized in this License. The Licensee shall implement and comply with the Dredge Material Disposal and BMP Plan, which will detail support for the implementation of appropriate practices to protect water quality, marine life, and estuarine habitat; and will include the criteria for when an environmental bucket for dredging and water-tight trucks and scows for transport will be used. The Dredge Material Disposal and BMP Plan shall also detail the sequence of dredging activity that includes DMCF construction, dredging schedule, placement approval letters from accepting facilities, and dredge transportation activities. The Dredge Material Disposal and BMP Plan can only be modified upon approval by the Tidal Wetlands Division.\

C. The Licensee shall conduct subsequent maintenance dredging within the scope of this license in terms of authorized dredge area and authorized depths. The licensee shall:
   1. Dredge no more than 500 cubic yards of material at each maintenance dredging.
   2. Comply with all applicable conditions of this license.
   3. Submit a detailed dredged material disposal plan to be approved by the Water and Science Administration, Tidal Wetlands Division prior to the start of dredging.
   4. Notify and receive approval from the Water and Science Administration, Compliance Program, a minimum of 10 days prior to the start of each maintenance dredging operation.

D. The Licensee shall demonstrate delineation of the dredge area and receive approval from the Water and Science Administration's Compliance Division prior to the start of dredging.

E. The Licensee shall conduct a post dredge bathymetric survey and forward to the Water and Science Administration, Tidal Wetlands Division within 45 days after the termination of any phase of dredging.
F. The Licensee shall dispose of dredged material only at the dredge disposal site(s) approved by this Wetland License. The Licensee shall submit an application for modification of the License to MDE for approval of any dredge disposal site not authorized within this License.
G. Pile Driving Best Management Practice (BMP) Plan. No pile-driving activity can commence prior to the Tidal Wetlands Division's approval of the Pile Driving BMP Plan. The Pile Driving BMP Plan shall be submitted for review and approval at least 30 days prior to the commencement of any pile driving activity authorized in this License. The Licensee shall implement and comply with the Pile Driving BMP Plan, which will detail support for the implementation of appropriate practices to protect water quality, marine life, and estuarine habitat, and include the use of zones of safe fish passage, soft starts, the use of a vibratory hammer, and the quantity of pile driving hours per day. The Pile Driving BMP Plan can only be modified upon approval by the Tidal Wetlands Division.
H. The Licensee shall not allow debris to enter the waterway. The Licensee shall immediately remove all debris inadvertently introduced into the waterway as a result of any construction activity. Debris shall be reused where possible and approved by the Department or disposed of at an upland (nonwetland) disposal site and in a manner that does not adversely impact surface or subsurface waterflow into or out of tidal wetlands.
I. Sediment and erosion control plans and stormwater management plans approved by MDE shall be submitted to MDE for approval prior to initiation of work in regulated areas. All work shall be performed in accordance with the required Soil Erosion and Sediment Control Plan as approved by MDE. Runoff or accumulated water containing sediment or other suspended materials shall not be discharged into waters of the State unless treated by an approved sediment control device or structure. Any proposed changes to approved sediment and erosion control plans or stormwater management plans during construction shall be forwarded to the approving authority for approval prior to implementation.
J. If the project requires any on-site facility that requires a General Discharge Permit application, the Licensee shall apply to the Water and Science Administration, Industrial Discharge Permits Division, for review and approval, as determined necessary, prior to the commencement of work. The Licensee shall send confirmation to the Tidal Wetlands Division.
K. The Licensee shall apply to the Land Management Administration, Land Restoration Program (LRP) for review and approval of the High Head Industrial Basin DMCF. The Licensee shall send the approved LRP Plan to the Tidal Wetlands Division prior to the commencement of construction.
L. The Licensee shall apply to the Water and Science Administration, Wastewater Pollution Prevention & Reclamation Program for review and approval of a NPDES Permit modification as required, to include the discharge related to the High Head Industrial Basin DMCF. The Licensee shall send the approved LRP Plan to the Tidal Wetlands Division prior to the commencement of construction.
M. Turbidity Monitoring Plan: No work authorized in this License can commence prior to the Tidal Wetlands Division's approval of the Turbidity Monitoring Plan. The Turbidity Monitoring Plan shall be submitted for review and approval at least 30 days prior to the commencement of any work authorized in this License. The Licensee shall implement and

comply with the Turbidity Monitoring Plan, which will detail support for the implementation of appropriate practices to protect water quality, marine life, and estuarine habitat, and include testing/monitoring turbidity related to dredging, shoreline stabilization activity, and outfalls. It will provide benchmarks and corrective actions if those benchmarks are exceeded. The Turbidity Monitoring Plan can only be modified upon approval by the Tidal Wetlands Division.

N. The Licensee shall design and construct the stone or concrete revetment to prevent the loss of fill material to waters of the State of Maryland.

O. The Licensee shall not use asphalt rubble in the revetment. Prior to the emplacement of the revetment, all rebar is to be cut off flush with the concrete. After emplacement of the revetment, any rebar exposed as a result of the concrete breaking during the emplacement is to be cut flush with the concrete. Except for the larger material placed along the leading edge of the revetment, the concrete shall be broken prior to emplacement so that random sized interlocking pieces are formed.

P. A pre-construction meeting shall be held with the Maryland Department of the Environment Compliance Program, Maryland Board of Public Works, the US Army Corps of Engineers (Baltimore Regional Office), and other agency stakeholders to provide the opportunity for all to review and discuss the construction plans and conditions. All meeting participants shall be notified of this meeting a minimum of 14 days prior to the date of the meeting.

Q. A professional engineer (PE), registered in the State of Maryland and qualified in dike and design and construction, shall be designated as the Engineer in Charge (EIC) and supervise the construction of the dike walls for the High Head Industrial Basin DMCF.

R. Prior to the DMCF operation and receipt of the dredged material, the EIC shall provide a completed “Dike Completion Report” to the Tidal Wetlands Division within sixty (60) days following construction of the DMCF dike to the final design elevation. The Report shall provide a project history, as-built drawings, and certify to the Tidal Wetlands Division that the dike is structurally sound and is ready to receive dredged material.

S. Stormwater discharges shall have a velocity no greater than four feet per second for the two-year storm in order to prevent erosion in the receiving waterway or wetland.

T. Mitigation Plan: Mitigation is required for 3.08 acres of impact related to the permanent fill placed in State tidal wetlands in accordance with COMAR 26.24. The Licensee shall submit a Mitigation Plan to the Tidal Wetlands Division and the Wetlands Administrator within 90 days following approval of this State wetlands license. Upon approval of the Mitigation Plan, if the Tidal Wetlands Division determines that a Joint Permit Application (JPA) is required, the Licensee shall submit a JPA within 30 days following the Tidal Wetlands Division’s determination. The Licensee shall implement the mitigation plan in accordance with the approved plan and schedule. The Mitigation Plan can only be modified upon approval by the Tidal Wetlands Division.

U. The Licensee shall remove the DMCF discharge structure, which includes the 24-inch diameter pipe extension and diffuser prior to the expiration of this License. If dewatering activity exceeds the expiration date of this License, the Licensee shall submit a JPA to the Tidal Wetlands Division at least 30 days prior to the expiration of the License for the removal of the temporary structures.

**THIS LICENSE AUTHORIZES YOU TO PERFORM THE WORK ONLY IF YOU COMPLY WITH THE FOLLOWING STANDARD CONDITIONS:**

1. Licensee shall conduct the authorized work in accordance with the plans and drawings dated as accepted by MDE on June 5, 2025**,** which are hereby incorporated into this License.
2. Until the authorized work is complete, Licensee shall have available at the site a copy of this License including the plans and drawings.
3. This License constitutes Maryland's authorization to conduct the authorized work under the State Tidal Wetlands Law. This License does not bestow any other federal, State, or local government authorization.
4. Licensee shall have all proposed work above Mean High Water reviewed and authorized by the local county Department of Planning and Zoning or applicable agency.
5. Licensee shall notify MDE's Compliance Program by BOTH phone AND in writing of the following:
   (a) start date at least five business days before beginning work; and
   (b) completion date no more than five business days after project completion.
   Central Division: 410-537-3510 1800 Washington Blvd, Baltimore, MD 21230
6. Licensee shall comply with any regulations, conditions, or instructions issued by MDE, including any Water Quality Certification issued with respect to the authorized work.
7. Licensee shall conduct the authorized work in accordance with Critical Area Commission requirements. This License does not authorize disturbance in the Buffer. If authorized work will disturb the Buffer, Licensee shall have a Commission-approved or locally approved Buffer Management Plan before beginning the authorized work.
   "Buffer" means the 100-foot Critical Area Buffer and any expanded area that is immediately landward of the mean high-water line of the tidal waters or is immediately landward of tidal wetlands. The Buffer includes expanded contiguous area if the contiguous area includes steep slopes, hydric soil, or highly erodible soil, or otherwise meets the criteria of COMAR 27.01.09.01.E(7). "Disturbance" means any alteration or change to the land including any amount of clearing. Clearing includes vegetation removal, grading, and construction activity.
8. Licensee may not fill, dredge, or otherwise alter or destroy tidal marsh or its vegetation unless this License specifically authorizes the activity.
9. Licensee may not stockpile material in State tidal wetlands/State tidal waters of the U.S.
10. Licensee shall allow unfettered public use of State wetlands/State tidal waters of the U.S.
11. This License does not transfer a property interest of the State.
12. Licensee shall file a Miss Utility ticket for the proposed work at least 10 days before beginning work. *Miss Utility***:** 800-257-7777
13. Licensee shall ensure that structures (for example, piers and piles) removed from the site are taken to an upland disposal facility approved by MDE's Compliance Program.
14. If the authorized work impacts more than 5,000 square feet or includes 100 or more cubic yards of fill, Licensee shall conduct the authorized work in accordance with a locally approved Soil Erosion and Sediment Control Plan.
15. If the authorized work is not performed by the property owner, all work performed under this Tidal Wetlands License shall be conducted by a marine contractor licensed by the Marine Contractors Licensing Board (MCLB) in accordance with Title 17 of the Environment Article of Annotated Code of Maryland. A list of licensed marine contactors may be obtained by contacting the MCLB at 410-537-3249, by email at

MDE.MCLB@maryland.gov or by accessing the Maryland Department of the Environment, Environmental Boards webpage.

16. Licensee shall allow State officials and employees to make inspections at reasonable times and cooperate with those inspections.
17. This License is granted only to the Licensee. Licensee may transfer the license only with written approval from the Board of Public Works. If the Board of Public Works approves the transfer, the transferee is subject to all License terms and conditions.
18. Licensee shall indemnify, defend, and save harmless the State of Maryland, its officials, officers, and employees from and against any and all liability, suits, claims, and actions of whatever kind, caused by or arising from, the work this License authorizes.
19. The Board of Public Works or its Wetlands Administrator may modify, suspend, or revoke this License in its reasonable discretion. Licensee shall promptly comply upon notice of any such action.
20. This License expires September 10, 2031.
    If the authorized work is not completed by the expiration date, all activity must stop.
    Note: A three-year license may be renewed for one additional three-year term if the Licensee requests an extension before the expiration date and all other conditions are met. A six-year license may not be renewed; instead, Licensee must reapply to MDE for a new license. Contact the Board of Public Works to determine if this License may be extended. *Board of Public Works: 410-260-7791*
21. In conducting work authorized under this license, licensee may not cause injury to private property; invade the rights of others; or infringe any federal, state, or local laws or regulations.
22. Licensee shall maintain any authorize structure in good condition and perform the authorized activity in a workmanlike manner in accordance with this license.
23. In conducting work authorized under this license, licensee shall eliminate or minimize adverse effects on fish, wildlife, and the natural environment.

By the authority of the Board of Public Works:

DocuSigned by:
William Morgante
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William Morgante
Wetlands Administrator

September 10, 2025
Effective Date:
Approved as: Secretary's Agenda Item 7
Board of Public Works Meeting Date: August 27, 2025

**I accept this License and all its conditions.**

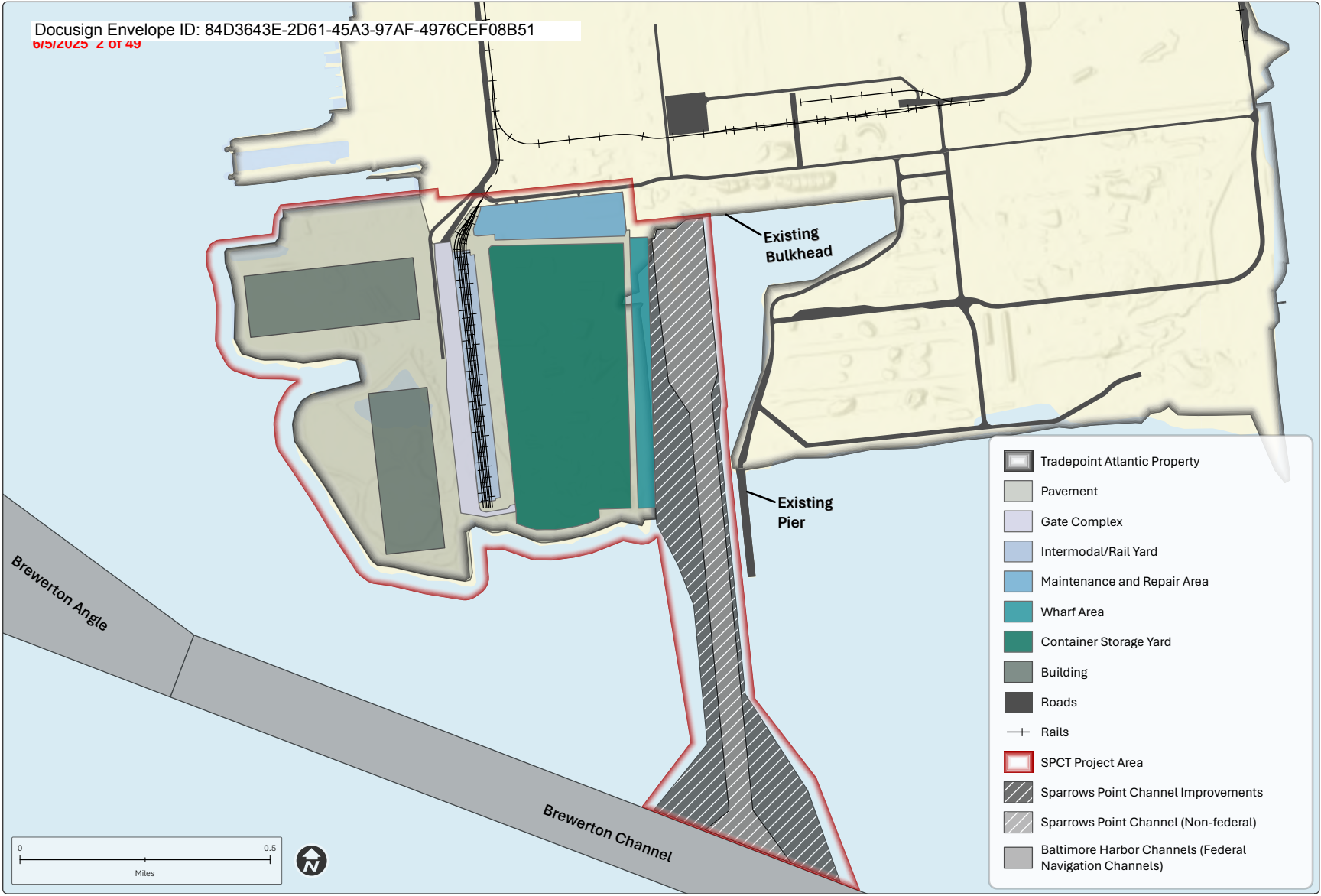
9/4/2025
Date

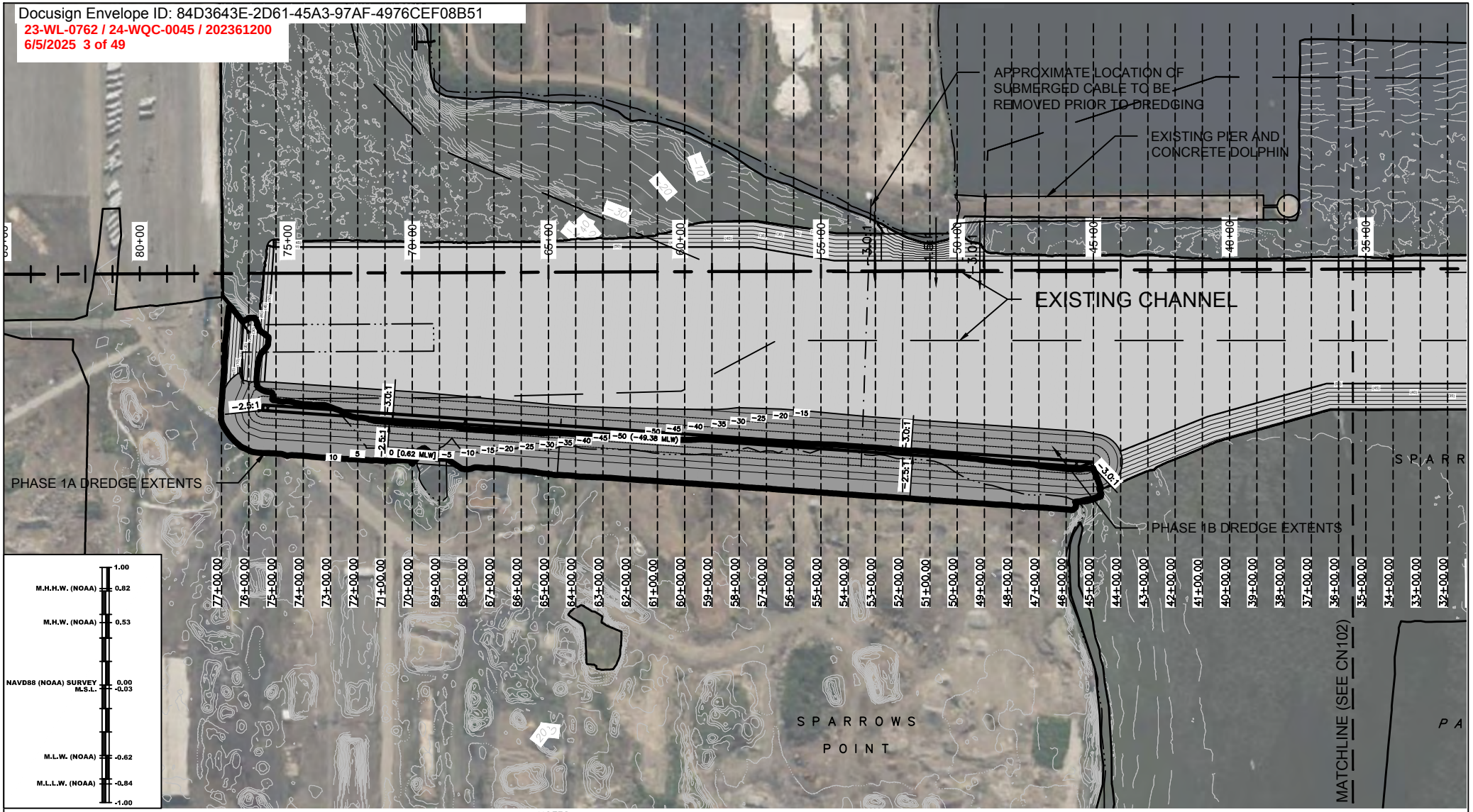
Signed by:
Kerry Doyle
770A2434B9C34C3...
Licensee (Signature)

Kerry Doyle
Name (Printed)

Managing Director
Title

kdoyle@tradepointatlantic.com
Email (to receive completed license)






LEGEND:

- PHASE 1A EXCAVATION AREA, AREA TO BE DUG FROM LAND TO −30 NAVD88 (−29.38 MLW) DEPTH, WITH SIDE SLOPES AS SHOWN
- PHASE 1B DREDGING AREA, AREA TO BE DREDGED TO −50.84 NAVD88 (−50.22 MLW) DEPTH WITH SIDE SLOPES AS SHOWN FOLLOWING COMPLETION OF PHASE 1A
- PHASE 2 DREDGING AREA, AREA TO BE DREDGED TO −50.84 NAVD88 (−50.22 MLW), DEPTH WITH SIDE SLOPES AS SHOWN.
- —(40)— DESIGN DEPTH CONTOURS NAVD88 (MLW IN PARENTHESES)
- —(34)— EXISTING DEPTH CONTOURS NAVD88 (MLW IN PARENTHESES)

NOTES:
1. ELEVATIONS SHOWN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). A CONVERSION SCALE IS SHOWN ON THIS DRAWING TO CONVERT TO OTHER DATUMS.
2. STATION NUMBERS MEASURED FROM START POINT AT BASELINE WORKING POINT BWP−01. SECTIONS SHOWING THE DREDGE AREA FROM STATION 6+00 TO 76+00 ARE SHOWN ON DRAWINGS CN301 TO CN314.
3. THE DREDGE AREA CONSISTS OF THREE PHASES WITH THE PHASE 1A AREA TO BE CONDUCTED FIRST. AREAS TO BE DUG FROM LAND ARE DESIGNATED AS PHASE 1A AND IS TO BE CONDUCTED BEFORE WATER BASED DREDGING OF PHASE 1B. CONSTRUCTION OF PILES AND THE WHARF WILL COMMENCE FOLLOWING THE COMPLETION OF PHASE 1A. PHASE 2 WILL BE CONDUCTED FOLLOWING PHASE 1B TO COMPLETE DREDGING OF THE REMAINDER OF THE PROPOSED CHANNEL.

0 250 500 750 1000
1"=500'-0" SCALE IN FEET

HATCH LANGAN

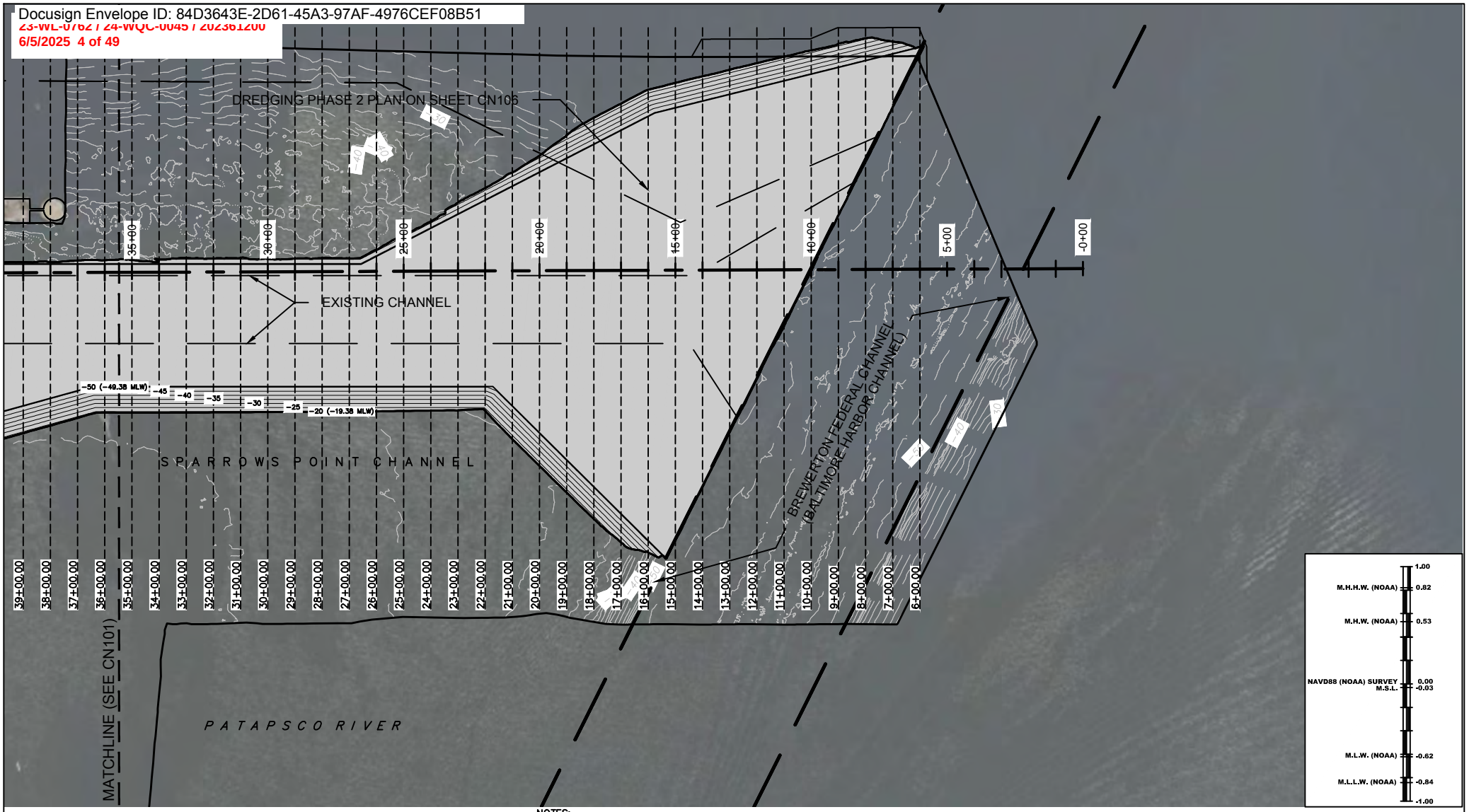


SPARROWS POINT CONTAINER TERMINAL

# PLAN - DREDGING GENERAL ARRANGEMENT (SHEET 1 OF 2)

| DATE | PROJECT NUMBER | DESIGNED BY | DRAWN BY | CHECKED BY | PROJECT MGR. | SHEET NUMBER | DRAWING |
|---|---|---|---|---|---|---|---|
| 05/02/2025 | | ATR | ATR | | | | CN101 |

SHEET SIZE: A




LEGEND:

- PHASE 1A EXCAVATION AREA, AREA TO BE DUG FROM LAND TO −30 NAVD88 (−29.38 MLW) DEPTH, WITH SIDE SLOPES AS SHOWN
- PHASE 1B DREDGING AREA, AREA TO BE DREDGED TO −50.84 NAVD88 (−50.22 MLW) DEPTH WITH SIDE SLOPES AS SHOWN FOLLOWING COMPLETION OF PHASE 1A
- PHASE 2 DREDGING AREA, AREA TO BE DREDGED TO −50.84 NAVD88 (−50.22 MLW), DEPTH WITH SIDE SLOPES AS SHOWN.
- —(40)— DESIGN DEPTH CONTOURS NAVD88 (MLW IN PARENTHESES)
- —(34)— EXISTING DEPTH CONTOURS NAVD88 (MLW IN PARENTHESES)

NOTES:
1. ELEVATIONS SHOWN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). A CONVERSION SCALE IS SHOWN ON THIS DRAWING TO CONVERT TO OTHER DATUMS.
2. STATION NUMBERS MEASURED FROM START POINT AT BASELINE WORKING POINT BWP−01. SECTIONS SHOWING THE DREDGE AREA FROM STATION 6+00 TO 76+00 ARE SHOWN ON DRAWINGS CN301 TO CN314.
3. THE DREDGE AREA CONSISTS OF THREE PHASES WITH THE PHASE 1A AREA TO BE CONDUCTED FIRST. AREAS TO BE DUG FROM LAND ARE DESIGNATED AS PHASE 1A AND IS TO BE CONDUCTED BEFORE WATER BASED DREDGING OF PHASE 1B. CONSTRUCTION OF PILES AND THE WHARF WILL COMMENCE FOLLOWING THE COMPLETION OF PHASE 1A. PHASE 2 WILL BE CONDUCTED FOLLOWING PHASE 1B TO COMPLETE DREDGING OF THE REMAINDER OF THE PROPOSED CHANNEL.

0 250 500 750 1000
1"=500'-0" SCALE IN FEET

HATCH LANGAN

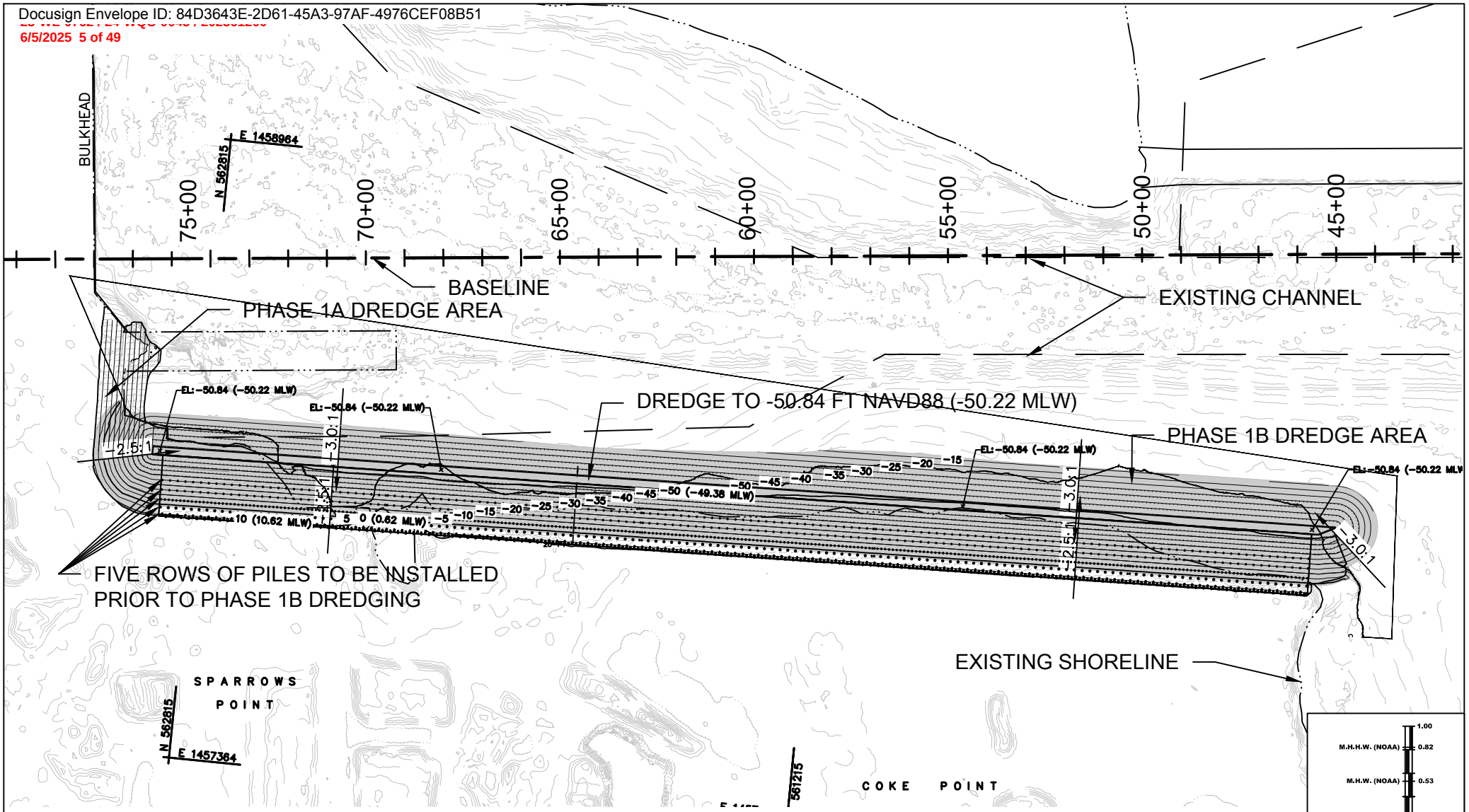


SPARROWS POINT CONTAINER TERMINAL

# PLAN - DREDGING GENERAL ARRANGEMENT (SHEET 2 OF 2)

| DATE | PROJECT NUMBER | DESIGNED BY | DRAWN BY | CHECKED BY | PROJECT MGR. | SHEET NUMBER | DRAWING |
|---|---|---|---|---|---|---|---|
| 05/02/2025 | | ATR | ATR | | | | CN102 |

SHEET SIZE: A



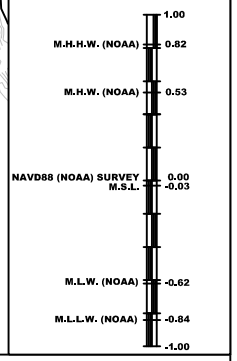

**LEGEND:**

- PHASE 1A EXCAVATION AREA, AREA TO BE DUG FROM LAND TO -30 NAVD88 (-29.38 MLW) DEPTH, WITH SIDE SLOPES AS SHOWN
- PHASE 1B DREDGING AREA, AREA TO BE DREDGED TO -50.84 NAVD88 (-50.22 MLW) DEPTH WITH SIDE SLOPES AS SHOWN FOLLOWING COMPLETION OF PHASE 1A
- (40) DESIGN DEPTH CONTOURS NAVD88
- (34) EXISTING DEPTH CONTOURS NAVD88

**NOTES:**

1. ELEVATIONS SHOWN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). A CONVERSION SCALE IS SHOWN ON THIS DRAWING TO CONVERT TO OTHER DATUMS.
2. PHASE 1 WILL BE CONDUCTED IN TWO SECTIONS, WITH AREAS TO BE DUG FROM LAND DESIGNATED AS PHASE 1A AND IS TO BE CONDUCTED BEFORE WATER BASED DREDGING OF PHASE 1B. CONSTRUCTION OF PILES AND THE WHARF WILL COMMENCE FOLLOWING THE COMPLETION OF PHASE 1A. PHASE 2 WILL BE CONDUCTED FOLLOWING PHASE 1B TO COMPLETE DREDGING OF THE REMAINDER OF THE PROPOSED CHANNEL.
3. THE FIVE WESTERNMOST ROWS OF PILES ARE TO BE INSTALLED FOLLOWING PHASE 1A AND BEFORE THE START OF PHASE 1B DREDGING.

0 175 350 525 700
1"=350'-0" SCALE IN FEET




HATCH LANGAN

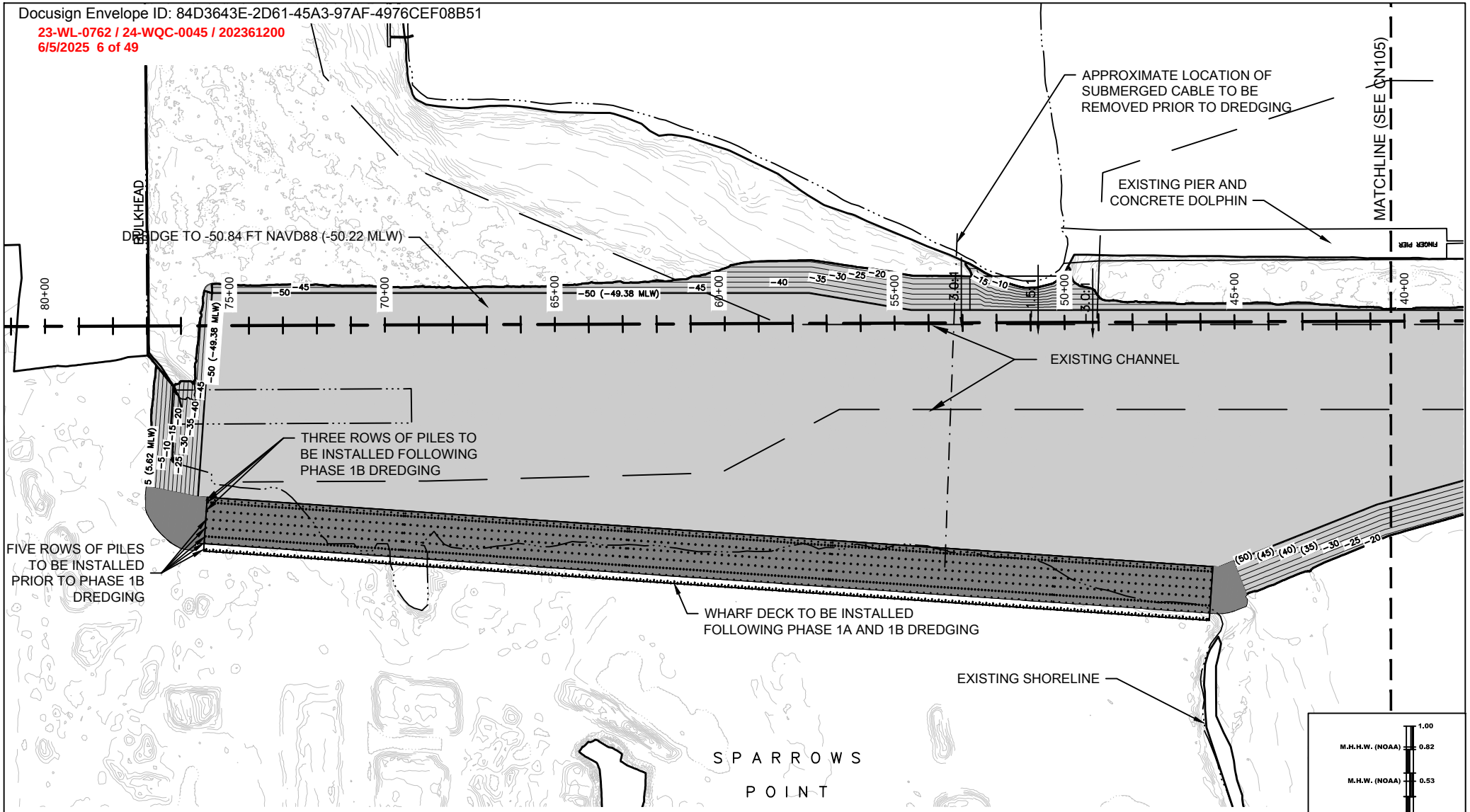


SPARROWS POINT CONTAINER TERMINAL

PLAN - DREDGING PHASE 1

| DATE | PROJECT NUMBER | DESIGNED BY | DRAWN BY | CHECKED BY | PROJECT MGR. | SHEET NUMBER | DRAWING |
|---|---|---|---|---|---|---|---|
| 05/02/2025 | | ATR | ATR | | | | CN103 |

SHEET SIZE: A




LEGEND:

- PHASE 1 DREDGING AREA, AREA TO BE DREDGED TO −50.84 NAVD88 (−50.22 MLW), DEPTH WITH SIDE SLOPES AS SHOWN.
- PHASE 2 DREDGING AREA, AREA TO BE DREDGED TO −50.84 NAVD88 (−50.22 MLW), DEPTH WITH SIDE SLOPES AS SHOWN.
- —(40)— DESIGN DEPTH CONTOURS NAVD88
- —(34)— EXISTING DEPTH CONTOURS NAVD88

NOTES:

1. ELEVATIONS SHOWN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). A CONVERSION SCALE IS SHOWN ON THIS DRAWING TO CONVERT TO OTHER DATUMS.
2. THE FIVE WESTERNMOST ROWS OF PILES ALONG WHARF TO BE INSTALLED FOLLOWING PHASE 1A DREDGING AND PRIOR TO PHASE 1B DREDGING.
3. PHASE 1 DREDGE AREA CONSISTS OF PHASE 1A AND PHASE 1B AS INDICATED ON SHEET CN103.

0 200 400 600 800

1"=400'-0" SCALE IN FEET

HATCH LANGAN

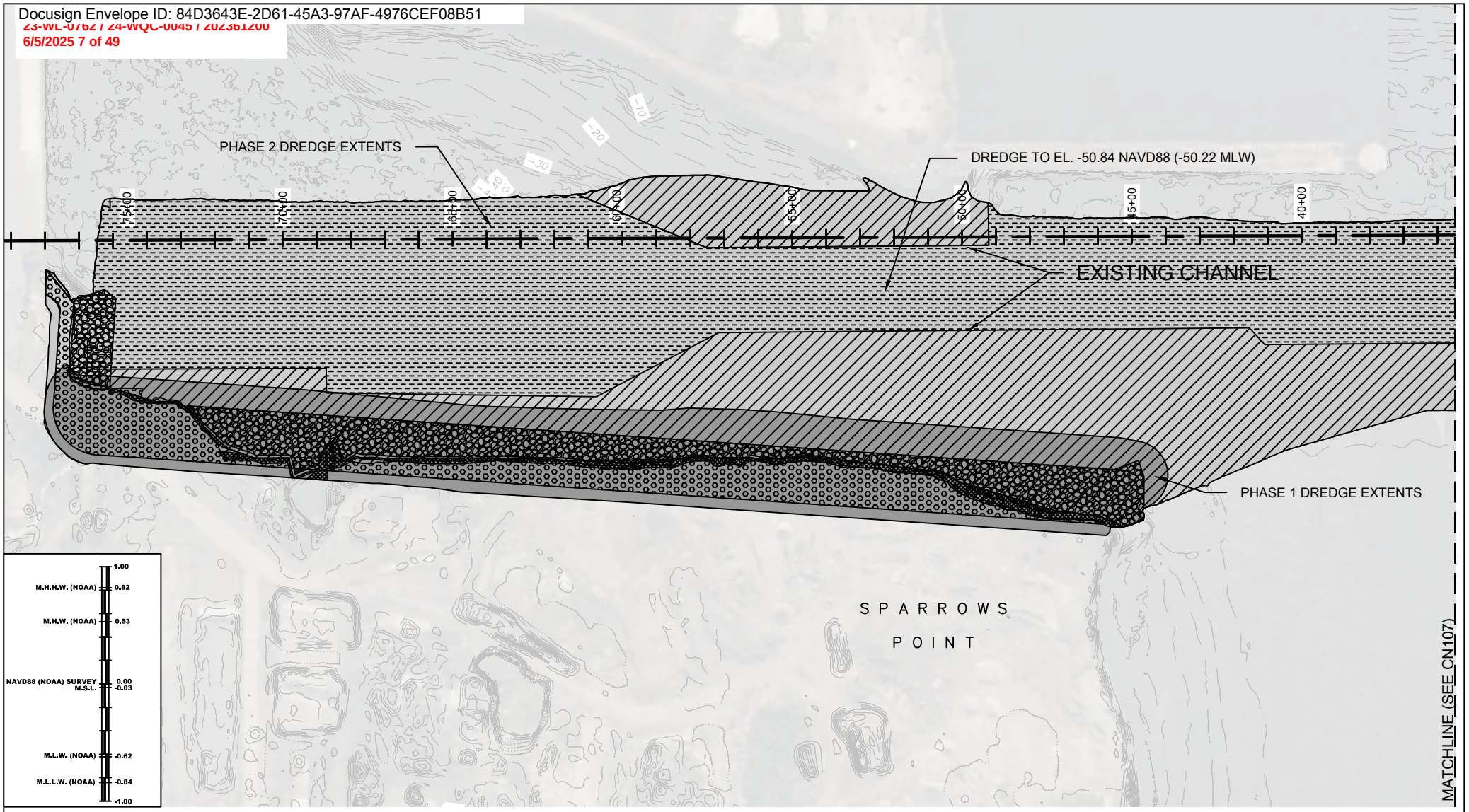


# SPARROWS POINT CONTAINER TERMINAL

# PLAN - DREDGING PHASE 2 (SHEET 1 OF 2)

| DATE | PROJECT NUMBER | DESIGNED BY | DRAWN BY | CHECKED BY | PROJECT MGR. | SHEET NUMBER | DRAWING |
|---|---|---|---|---|---|---|---|
| 05/02/2025 | | ATR | ATR | | | | CN104 |

SHEET SIZE: A




LEGEND:
- PHASE 1 DREDGING AREA
- PHASE 2 DREDGING AREA
- AREA PREVIOUSLY DREDGED AS MAINTENANCE DREDGING
- (34) EXISTING DEPTH CONTOURS NAVD88

IMPACTS:
- DREDGING AREAS NOT PREVIOUSLY DREDGED AS MAINTENANCE DREDGING
- DREDGING AREA BETWEEN 0.0' AND 3.0' MLW
- REVETMENT STONE PLACED GREATER THAN 10' CHANNELWARD OF THE EXISTING MHWL
- OPEN WATER CREATED THROUGH EXCAVATION

0 200 400 600 800
1"=400'-0" SCALE IN FEET

NOTES:
1. ELEVATIONS SHOWN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). A CONVERSION SCALE IS SHOWN ON THIS DRAWING TO CONVERT TO OTHER DATUMS.

HATCH LANGAN SPARROWS POINT CONTAINER TERMINAL

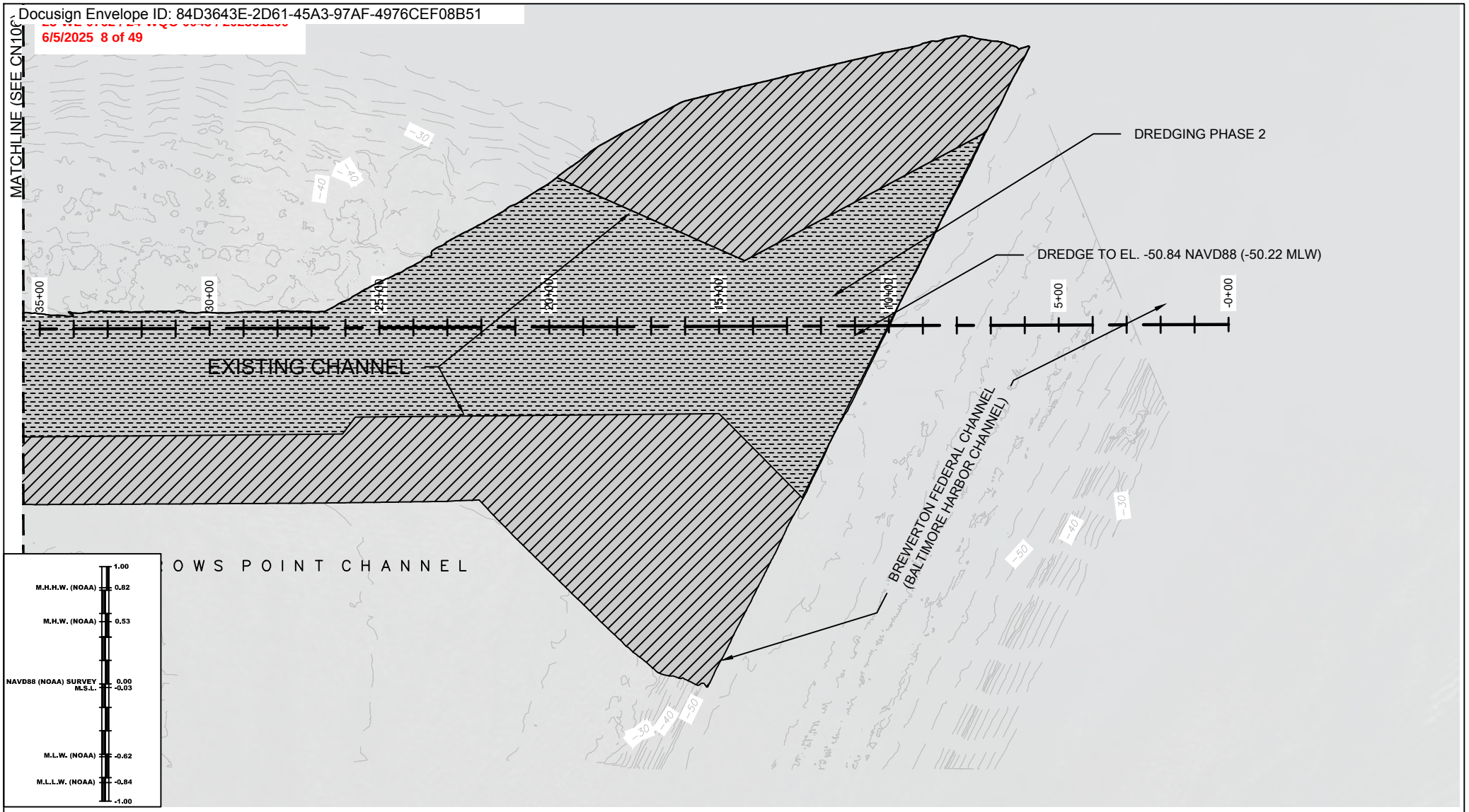


SPARROWS POINT CONTAINER TERMINAL

PLAN - DREDGING IMPACTS (SHEET 1 OF 2)

| DATE | PROJECT NUMBER | DESIGNED BY | DRAWN BY | CHECKED BY | PROJECT MGR. | SHEET NUMBER | DRAWING |
|---|---|---|---|---|---|---|---|
| 05/02/2025 | | ATR | ATR | | | | CN106 |

SHEET SIZE: A




LEGEND:
- PHASE 1 DREDGING AREA
- PHASE 2 DREDGING AREA
- AREA PREVIOUSLY DREDGED AS MAINTENANCE DREDGING
- (34) EXISTING DEPTH CONTOURS NAVD88

IMPACTS:
- DREDGING AREAS NOT PREVIOUSLY DREDGED AS MAINTENANCE DREDGING

0 200 400 600 800
1"=400'-0" SCALE IN FEET

NOTES:
1. ELEVATIONS SHOWN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). A CONVERSION SCALE IS SHOWN ON THIS DRAWING TO CONVERT TO OTHER DATUMS.

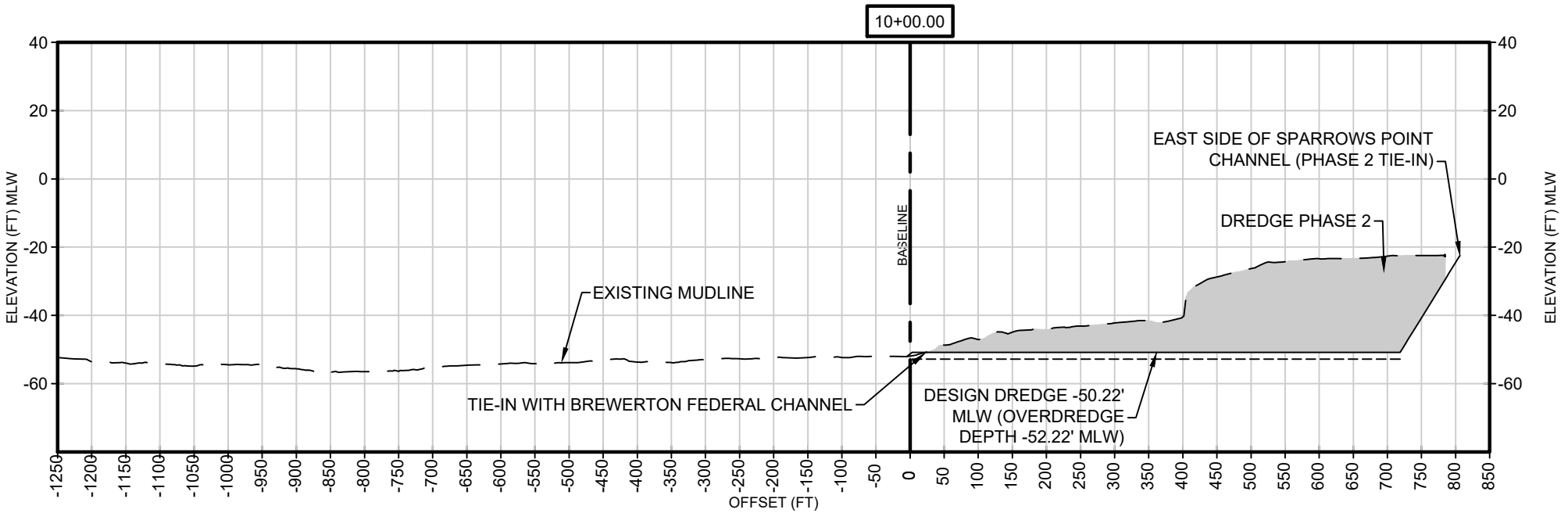
HATCH LANGAN SPARROWS POINT CONTAINER TERMINAL



# PLAN - DREDGING IMPACTS (SHEET 2 OF 2)

| DATE | PROJECT NUMBER | DESIGNED BY | DRAWN BY | CHECKED BY | PROJECT MGR. | SHEET NUMBER | DRAWING |
|---|---|---|---|---|---|---|---|
| 05/02/2025 | | ATR | ATR | | | | CN107 |

SHEET SIZE: A



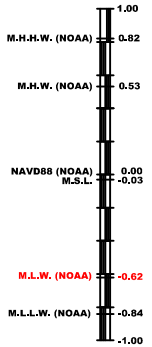

LEGEND:

- PHASE 1A DREDGING AREA
- PHASE 1B DREDGING AREA
- PHASE 2 DREDGING AREA
- APPROX. BOTTOM OF SLAG
- DESIGN DEPTH
- EXISTING MUDLINE
- OVERDREDGE
- BOTTOM OF REVETMENT

0 110 220 330 440

1"=220'-0" SCALE IN FEET

5X VERTICAL EXAGGERATION




NOTE:
1. ELEVATIONS SHOWN ARE REFERENCED TO MEAN LOW WATER (MLW) AS DEFINED BY NOAA BALTIMORE TIDE GAUGE (STATION ID 8574680). A CONVERSION SCALE IS SHOWN ON THIS DRAWING TO CONVERT TO OTHER DATUMS.

HATCH LANGAN

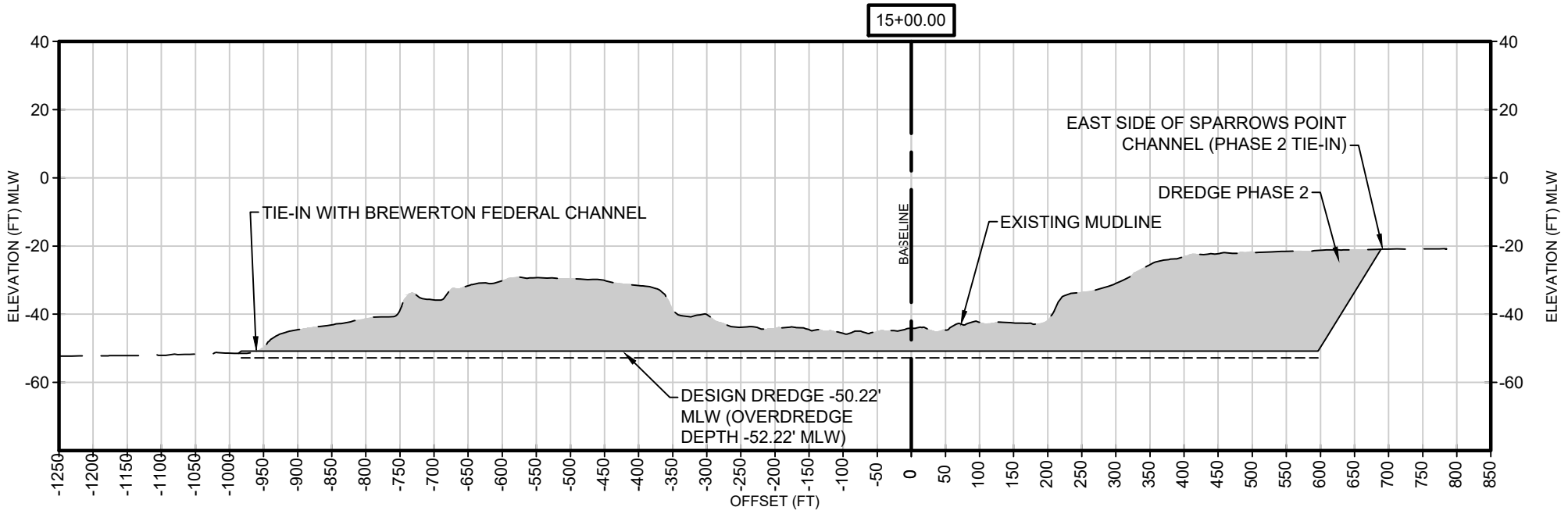


SPARROWS POINT CONTAINER TERMINAL

SECTIONS - DREDGING (SHEET 1 OF 14)

| DATE | PROJECT NUMBER | DESIGNED BY | DRAWN BY | CHECKED BY | PROJECT MGR. | SHEET NUMBER | DRAWING |
|---|---|---|---|---|---|---|---|
| 05/02/2025 | | ATR | ATR | | | | CN301 |

SHEET SIZE: A




**LEGEND:**

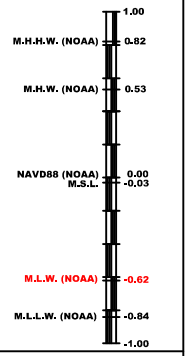
- PHASE 1A DREDGING AREA
- PHASE 1B DREDGING AREA
- PHASE 2 DREDGING AREA
- APPROX. BOTTOM OF SLAG
- DESIGN DEPTH
- EXISTING MUDLINE
- OVERDREDGE
- BOTTOM OF REVETMENT

0 110 220 330 440

1"=220'-0" SCALE IN FEET

5X VERTICAL EXAGGERATION

**NOTE:**
1. ELEVATIONS SHOWN ARE REFERENCED TO MEAN LOW WATER (MLW) AS DEFINED BY NOAA BALTIMORE TIDE GAUGE (STATION ID 8574680). A CONVERSION SCALE IS SHOWN ON THIS DRAWING TO CONVERT TO OTHER DATUMS.




HATCH LANGAN

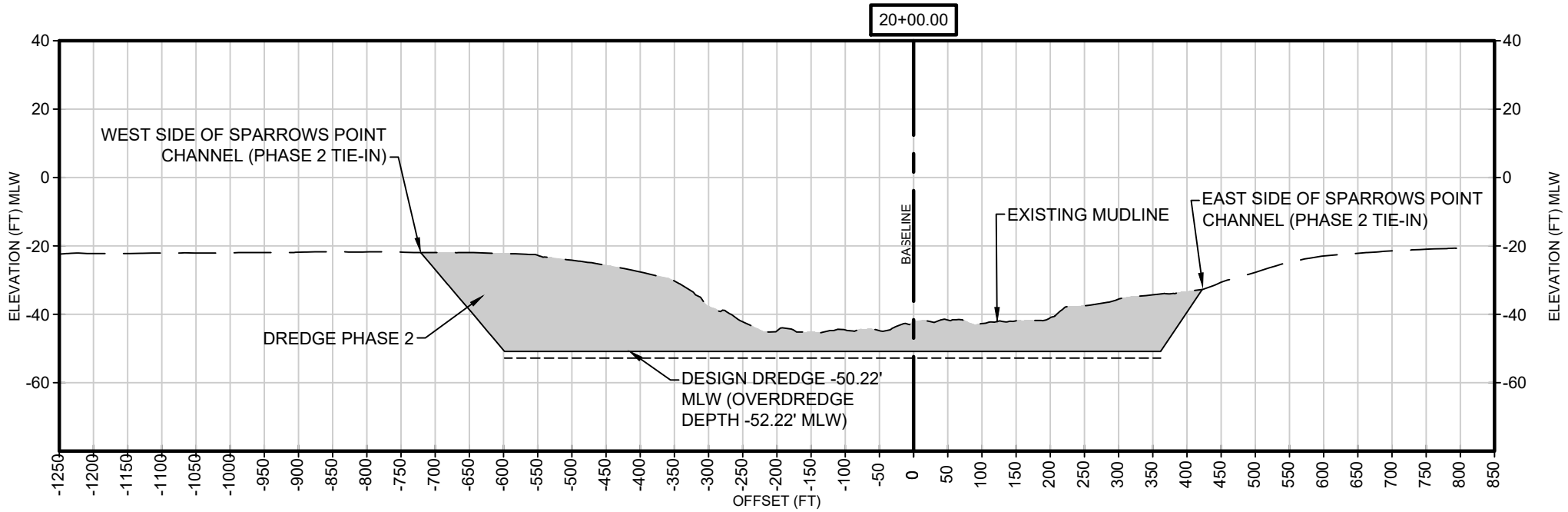


SPARROWS POINT CONTAINER TERMINAL

SECTIONS - DREDGING (SHEET 2 OF 14)

| DATE | PROJECT NUMBER | DESIGNED BY | DRAWN BY | CHECKED BY | PROJECT MGR. | SHEET NUMBER | DRAWING |
|---|---|---|---|---|---|---|---|
| 05/02/2025 | | ATR | ATR | | | | CN302 |

SHEET SIZE: A




LEGEND:

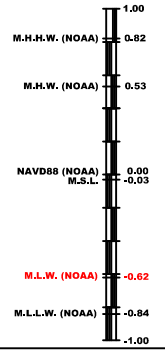
- PHASE 1A DREDGING AREA
- PHASE 1B DREDGING AREA
- PHASE 2 DREDGING AREA
- APPROX. BOTTOM OF SLAG
- DESIGN DEPTH
- EXISTING MUDLINE
- OVERDREDGE
- BOTTOM OF REVETMENT

0 110 220 330 440

1"=220'-0" SCALE IN FEET

5X VERTICAL EXAGGERATION

NOTE:
1. ELEVATIONS SHOWN ARE REFERENCED TO MEAN LOW WATER (MLW) AS DEFINED BY NOAA BALTIMORE TIDE GAUGE (STATION ID 8574680). A CONVERSION SCALE IS SHOWN ON THIS DRAWING TO CONVERT TO OTHER DATUMS.




HATCH LANGAN

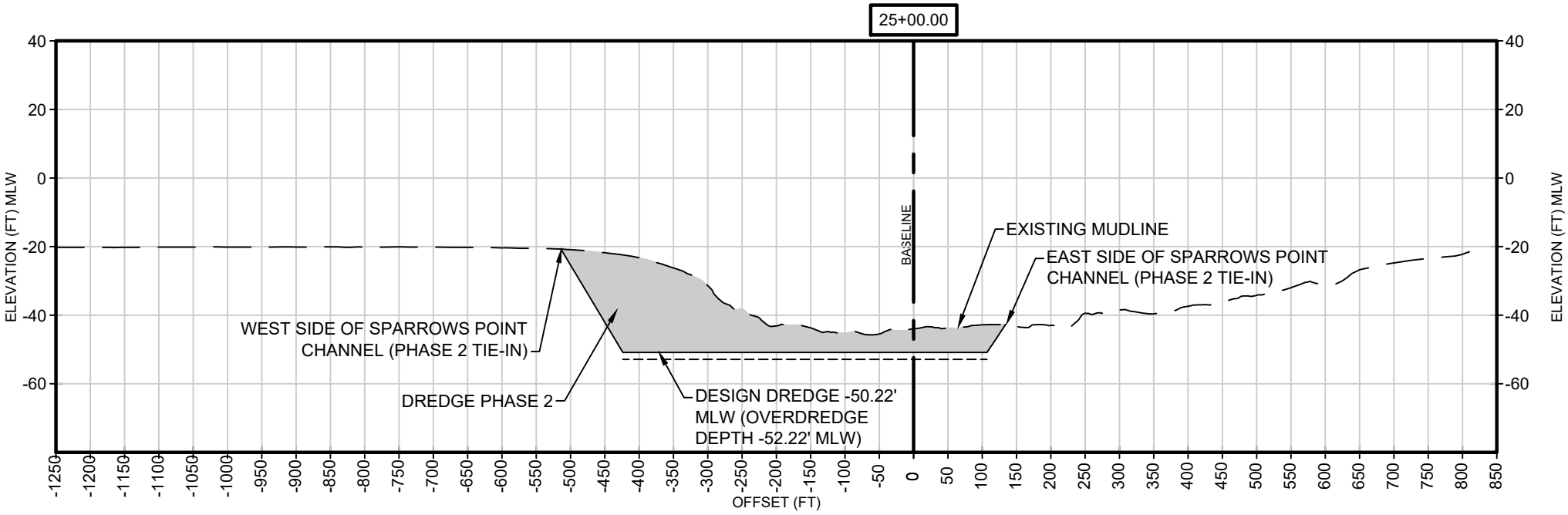


SPARROWS POINT CONTAINER TERMINAL

SECTIONS - DREDGING (SHEET 3 OF 14)

| DATE | PROJECT NUMBER | DESIGNED BY | DRAWN BY | CHECKED BY | PROJECT MGR. | SHEET NUMBER | DRAWING |
|---|---|---|---|---|---|---|---|
| 05/02/2025 | | ATR | ATR | | | | CN303 |

SHEET SIZE: A




LEGEND:

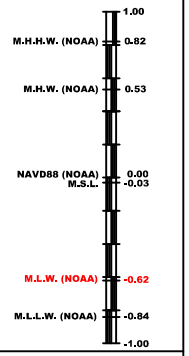
- PHASE 1A DREDGING AREA
- PHASE 1B DREDGING AREA
- PHASE 2 DREDGING AREA
- APPROX. BOTTOM OF SLAG
- DESIGN DEPTH
- EXISTING MUDLINE
- OVERDREDGE
- BOTTOM OF REVETMENT

0 110 220 330 440

1"=220'-0" SCALE IN FEET

5X VERTICAL EXAGGERATION

NOTE:
1. ELEVATIONS SHOWN ARE REFERENCED TO MEAN LOW WATER (MLW) AS DEFINED BY NOAA BALTIMORE TIDE GAUGE (STATION ID 8574680). A CONVERSION SCALE IS SHOWN ON THIS DRAWING TO CONVERT TO OTHER DATUMS.




HATCH LANGAN

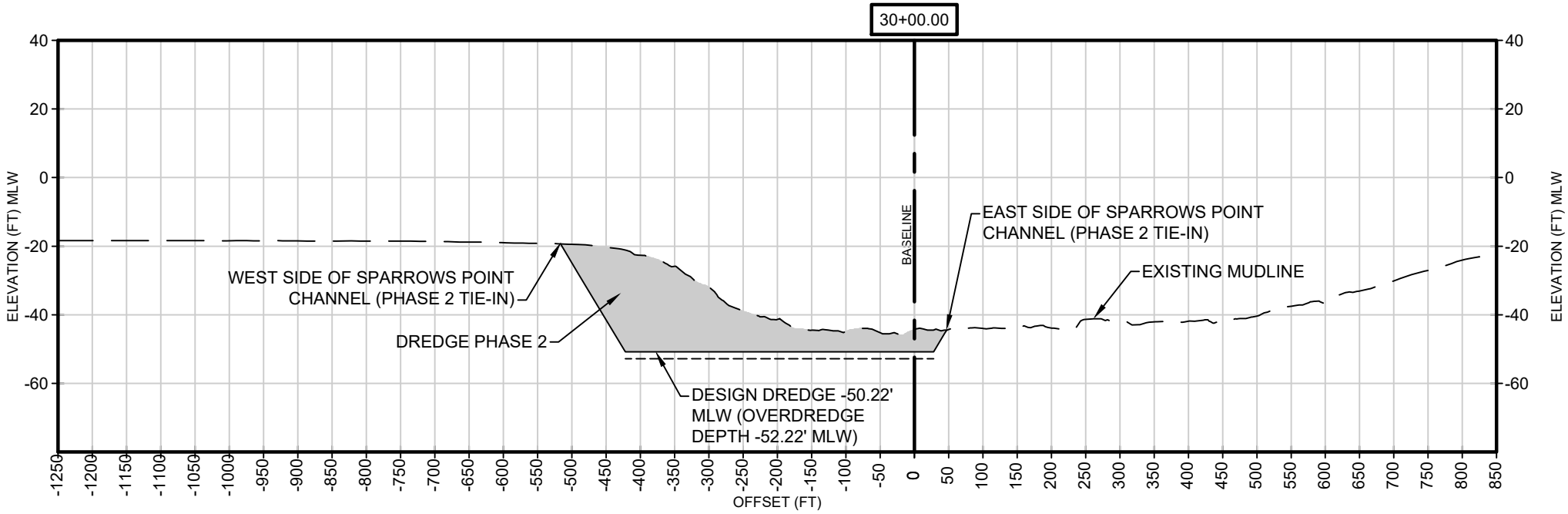


SPARROWS POINT CONTAINER TERMINAL

SECTIONS - DREDGING (SHEET 4 OF 14)

| DATE | PROJECT NUMBER | DESIGNED BY | DRAWN BY | CHECKED BY | PROJECT MGR. | SHEET NUMBER | DRAWING |
|---|---|---|---|---|---|---|---|
| 05/02/2025 | | ATR | ATR | | | | CN304 |

SHEET SIZE: A



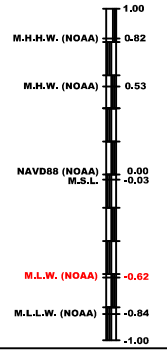

LEGEND:

- PHASE 1A DREDGING AREA
- PHASE 1B DREDGING AREA
- PHASE 2 DREDGING AREA
- APPROX. BOTTOM OF SLAG
- DESIGN DEPTH
- EXISTING MUDLINE
- OVERDREDGE
- BOTTOM OF REVETMENT

0 110 220 330 440

1"=220'-0" SCALE IN FEET

5X VERTICAL EXAGGERATION




NOTE:
1. ELEVATIONS SHOWN ARE REFERENCED TO MEAN LOW WATER (MLW) AS DEFINED BY NOAA BALTIMORE TIDE GAUGE (STATION ID 8574680). A CONVERSION SCALE IS SHOWN ON THIS DRAWING TO CONVERT TO OTHER DATUMS.

HATCH LANGAN

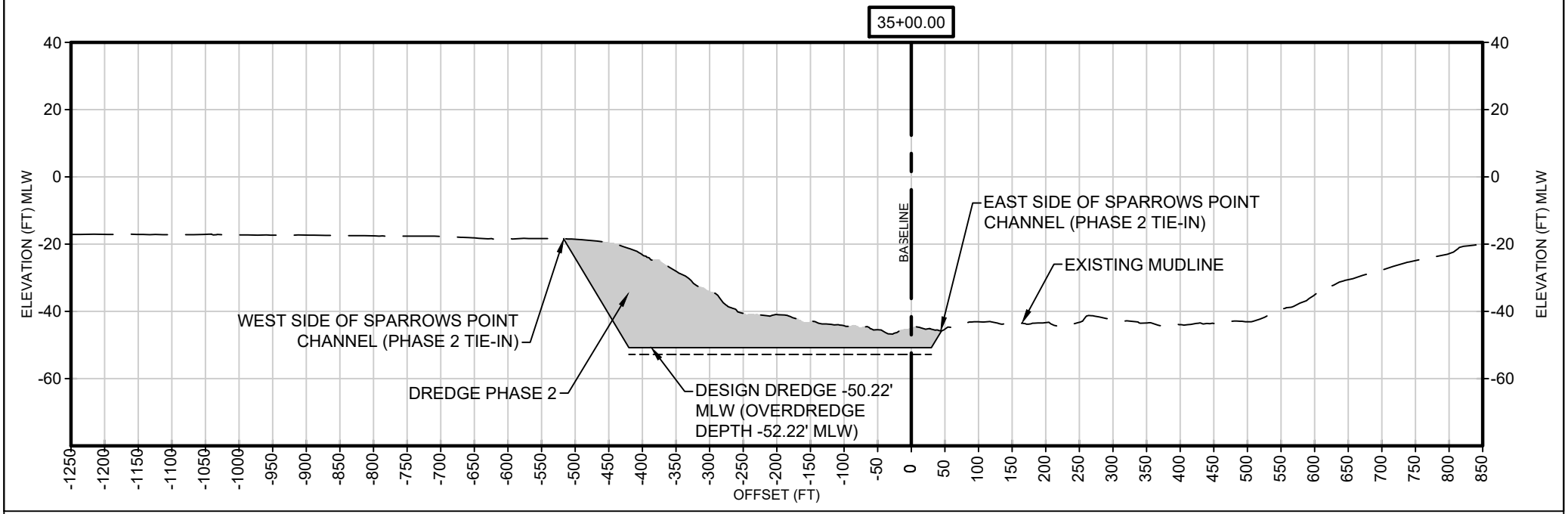


SPARROWS POINT CONTAINER TERMINAL

SECTIONS - DREDGING (SHEET 5 OF 14)

| DATE | PROJECT NUMBER | DESIGNED BY | DRAWN BY | CHECKED BY | PROJECT MGR. | SHEET NUMBER | DRAWING |
|---|---|---|---|---|---|---|---|
| 05/02/2025 | | ATR | ATR | | | | CN305 |

SHEET SIZE: A



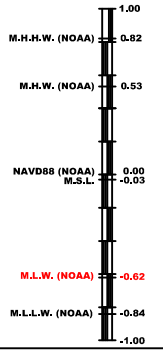

LEGEND:

- PHASE 1A DREDGING AREA
- PHASE 1B DREDGING AREA
- PHASE 2 DREDGING AREA
- APPROX. BOTTOM OF SLAG
- DESIGN DEPTH
- EXISTING MUDLINE
- OVERDREDGE
- BOTTOM OF REVETMENT

0 110 220 330 440

1"=220'-0" SCALE IN FEET

5X VERTICAL EXAGGERATION




NOTE:
1. ELEVATIONS SHOWN ARE REFERENCED TO MEAN LOW WATER (MLW) AS DEFINED BY NOAA BALTIMORE TIDE GAUGE (STATION ID 8574680). A CONVERSION SCALE IS SHOWN ON THIS DRAWING TO CONVERT TO OTHER DATUMS.

HATCH LANGAN

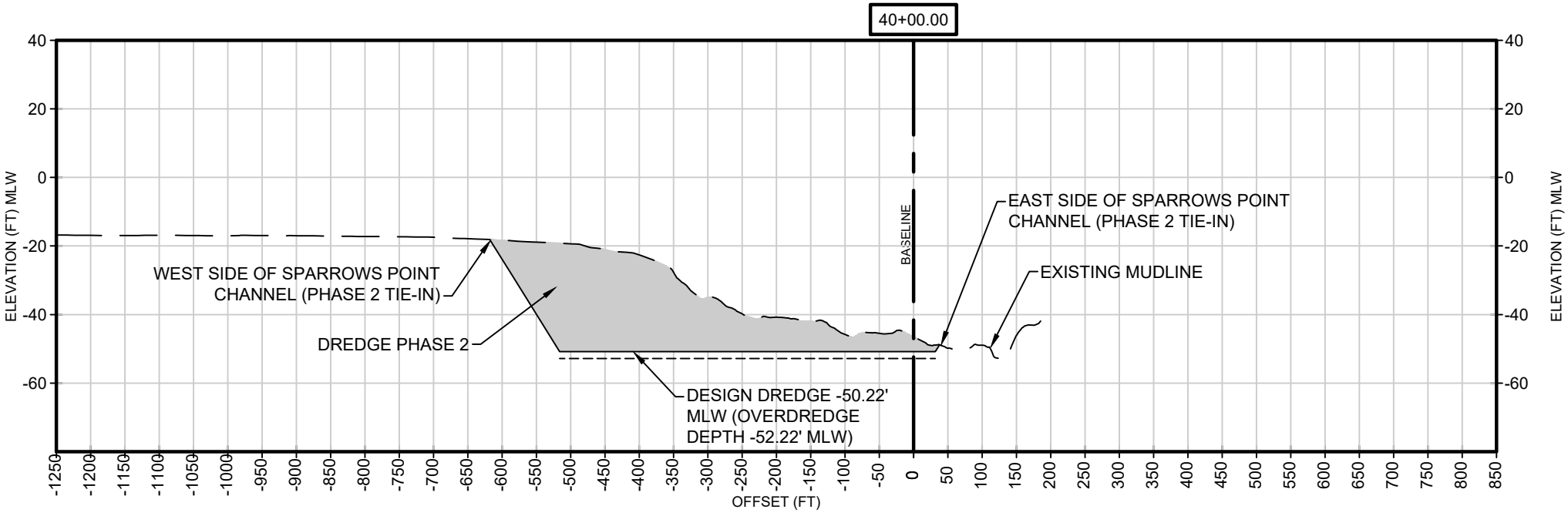


SPARROWS POINT CONTAINER TERMINAL

SECTIONS - DREDGING (SHEET 6 OF 14)

| DATE | PROJECT NUMBER | DESIGNED BY | DRAWN BY | CHECKED BY | PROJECT MGR. | SHEET NUMBER | DRAWING |
|---|---|---|---|---|---|---|---|
| 05/02/2025 | | ATR | ATR | | | | CN306 |

SHEET SIZE: A



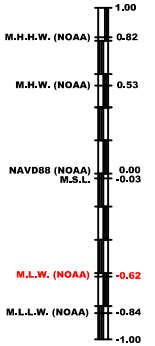

**LEGEND:**

- PHASE 1A DREDGING AREA
- PHASE 1B DREDGING AREA
- PHASE 2 DREDGING AREA
- APPROX. BOTTOM OF SLAG
- DESIGN DEPTH
- EXISTING MUDLINE
- OVERDREDGE
- BOTTOM OF REVETMENT

0 110 220 330 440

1"=220'-0" SCALE IN FEET

5X VERTICAL EXAGGERATION




**NOTE:**
1. ELEVATIONS SHOWN ARE REFERENCED TO MEAN LOW WATER (MLW) AS DEFINED BY NOAA BALTIMORE TIDE GAUGE (STATION ID 8574680). A CONVERSION SCALE IS SHOWN ON THIS DRAWING TO CONVERT TO OTHER DATUMS.

HATCH LANGAN

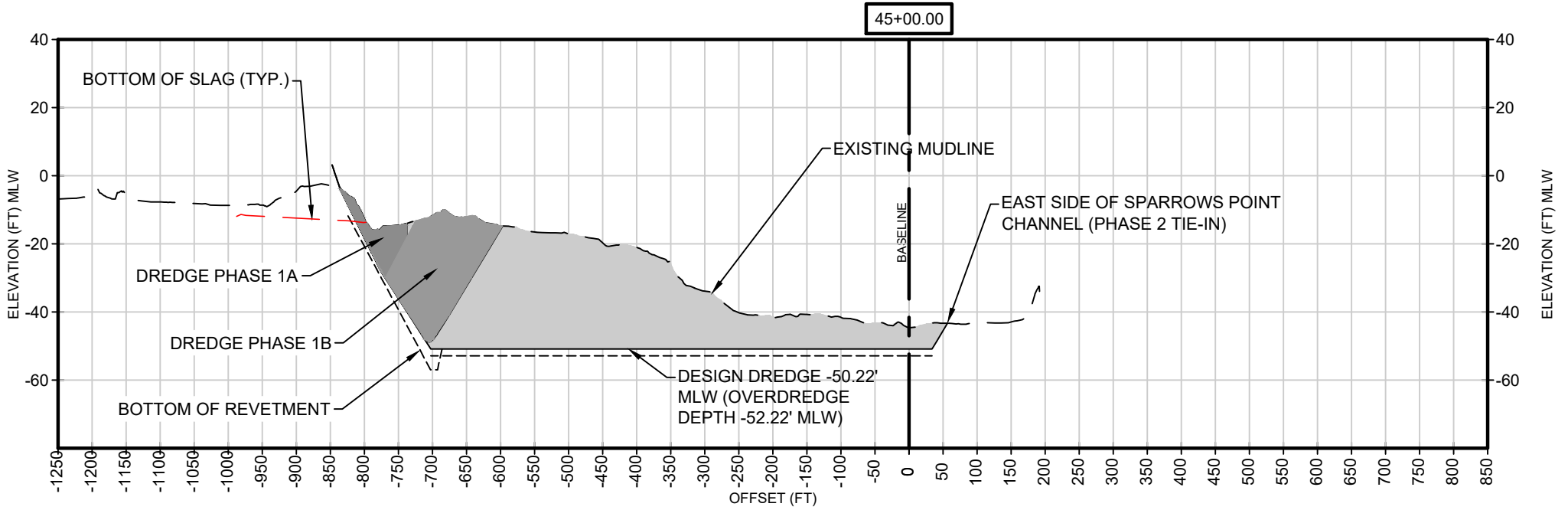


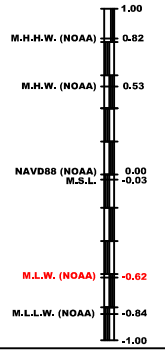
SPARROWS POINT CONTAINER TERMINAL

SECTIONS - DREDGING (SHEET 7 OF 14)

| DATE | PROJECT NUMBER | DESIGNED BY | DRAWN BY | CHECKED BY | PROJECT MGR. | SHEET NUMBER | DRAWING |
|---|---|---|---|---|---|---|---|
| 05/02/2025 | | ATR | ATR | | | | CN307 |

SHEET SIZE: A




LEGEND:

- PHASE 1A DREDGING AREA
- PHASE 1B DREDGING AREA
- PHASE 2 DREDGING AREA
- APPROX. BOTTOM OF SLAG
- DESIGN DEPTH
- EXISTING MUDLINE
- OVERDREDGE
- BOTTOM OF REVETMENT

0 110 220 330 440

1"=220'-0" SCALE IN FEET

5X VERTICAL EXAGGERATION

NOTE:
1. ELEVATIONS SHOWN ARE REFERENCED TO MEAN LOW WATER (MLW) AS DEFINED BY NOAA BALTIMORE TIDE GAUGE (STATION ID 8574680). A CONVERSION SCALE IS SHOWN ON THIS DRAWING TO CONVERT TO OTHER DATUMS.

HATCH LANGAN

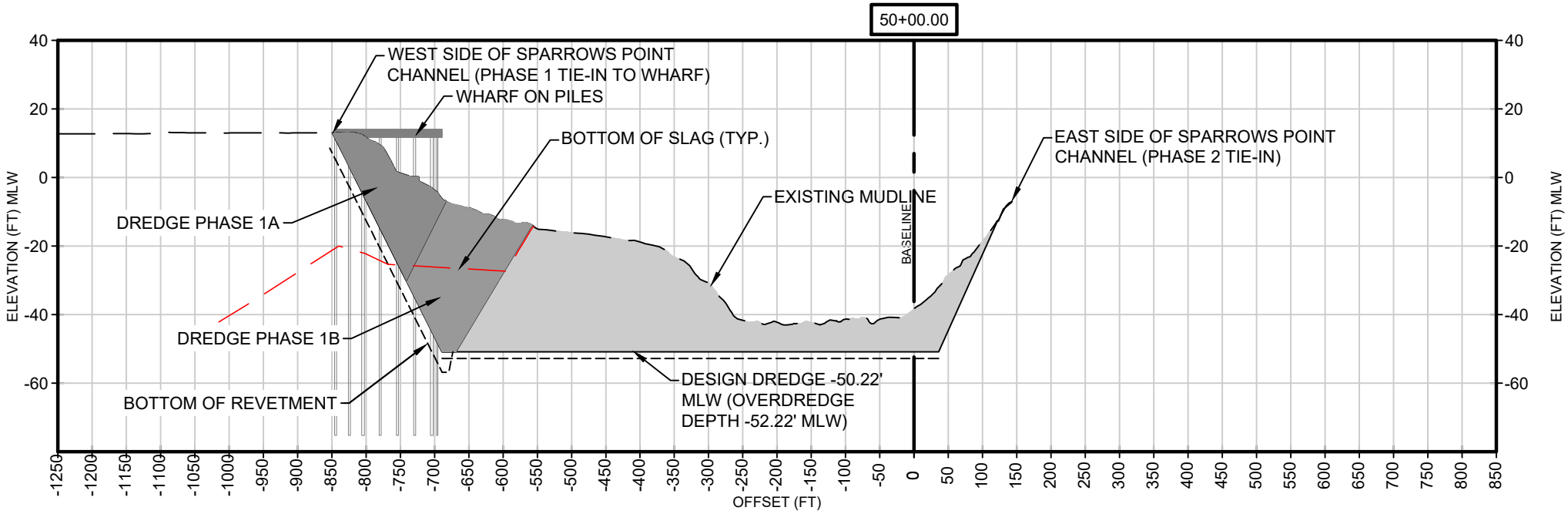


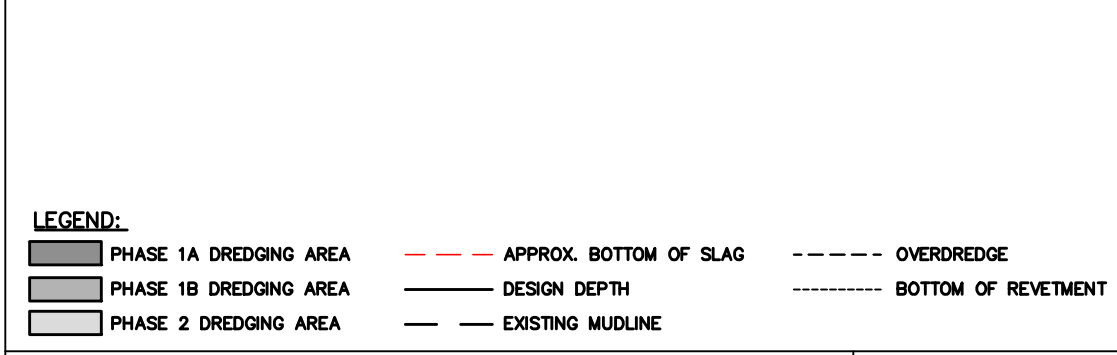
SPARROWS POINT CONTAINER TERMINAL

SECTIONS - DREDGING (SHEET 8 OF 14)

| DATE | PROJECT NUMBER | DESIGNED BY | DRAWN BY | CHECKED BY | PROJECT MGR. | SHEET NUMBER | DRAWING |
|---|---|---|---|---|---|---|---|
| 05/02/2025 | | ATR | ATR | | | | CN308 |

SHEET SIZE: A

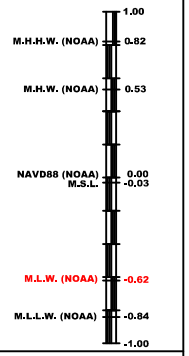



0 110 220 330 440

1"=220'-0" SCALE IN FEET

5X VERTICAL EXAGGERATION




NOTE:
1. ELEVATIONS SHOWN ARE REFERENCED TO MEAN LOW WATER (MLW) AS DEFINED BY NOAA BALTIMORE TIDE GAUGE (STATION ID 8574680). A CONVERSION SCALE IS SHOWN ON THIS DRAWING TO CONVERT TO OTHER DATUMS.

HATCH LANGAN

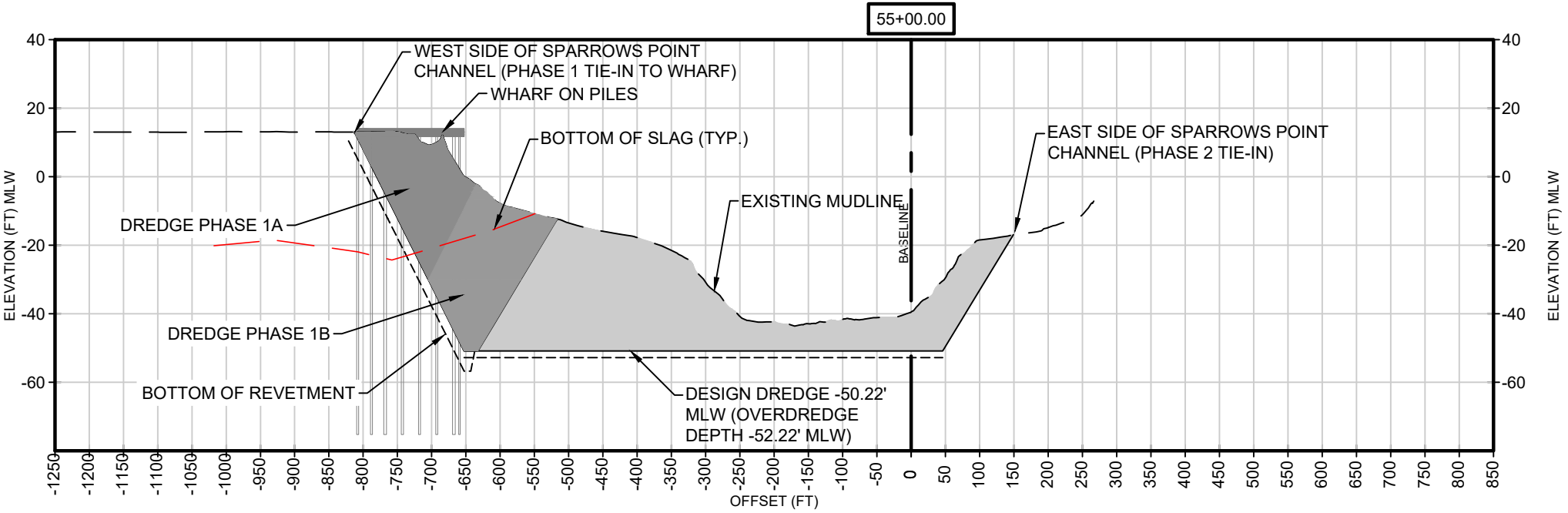


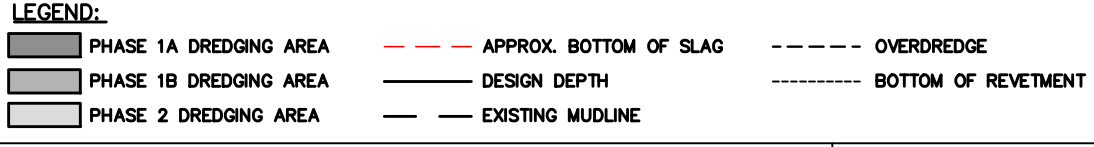
SPARROWS POINT CONTAINER TERMINAL

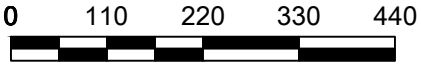
# SECTIONS - DREDGING (SHEET 9 OF 14)

| DATE | PROJECT NUMBER | DESIGNED BY | DRAWN BY | CHECKED BY | PROJECT MGR. | SHEET NUMBER | DRAWING |
|---|---|---|---|---|---|---|---|
| 05/02/2025 | | ATR | ATR | | | | CN309 |

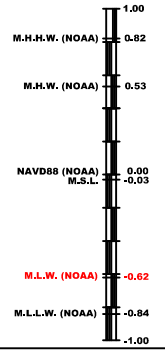
SHEET SIZE: A




NOTE:
1. ELEVATIONS SHOWN ARE REFERENCED TO MEAN LOW WATER (MLW) AS DEFINED BY NOAA BALTIMORE TIDE GAUGE (STATION ID 8574680). A CONVERSION SCALE IS SHOWN ON THIS DRAWING TO CONVERT TO OTHER DATUMS.




HATCH LANGAN

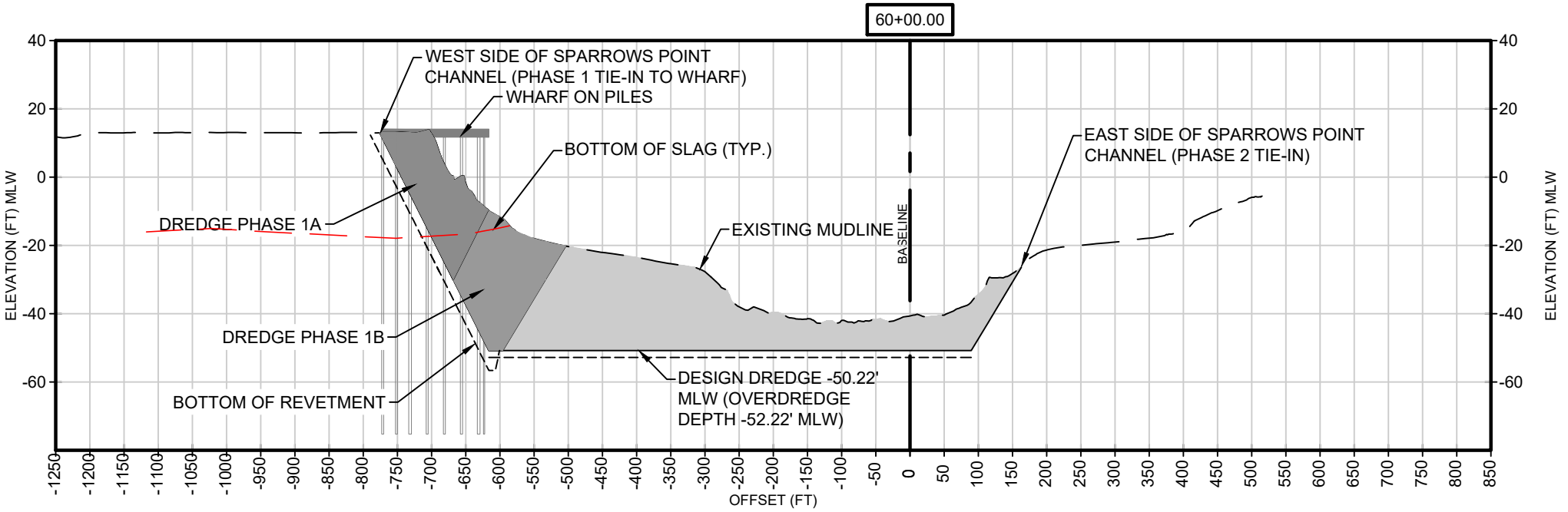


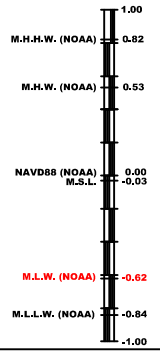
SPARROWS POINT CONTAINER TERMINAL

SECTIONS - DREDGING (SHEET 10 OF 14)

| DATE | PROJECT NUMBER | DESIGNED BY | DRAWN BY | CHECKED BY | PROJECT MGR. | SHEET NUMBER | DRAWING |
|---|---|---|---|---|---|---|---|
| 05/02/2025 | | ATR | ATR | | | | CN310 |

SHEET SIZE: A




0 110 220 330 440

1"=220'-0" SCALE IN FEET

5X VERTICAL EXAGGERATION

**LEGEND:**

- PHASE 1A DREDGING AREA
- PHASE 1B DREDGING AREA
- PHASE 2 DREDGING AREA
- APPROX. BOTTOM OF SLAG
- DESIGN DEPTH
- EXISTING MUDLINE
- OVERDREDGE
- BOTTOM OF REVETMENT

**NOTE:**
1. ELEVATIONS SHOWN ARE REFERENCED TO MEAN LOW WATER (MLW) AS DEFINED BY NOAA BALTIMORE TIDE GAUGE (STATION ID 8574680). A CONVERSION SCALE IS SHOWN ON THIS DRAWING TO CONVERT TO OTHER DATUMS.

HATCH LANGAN

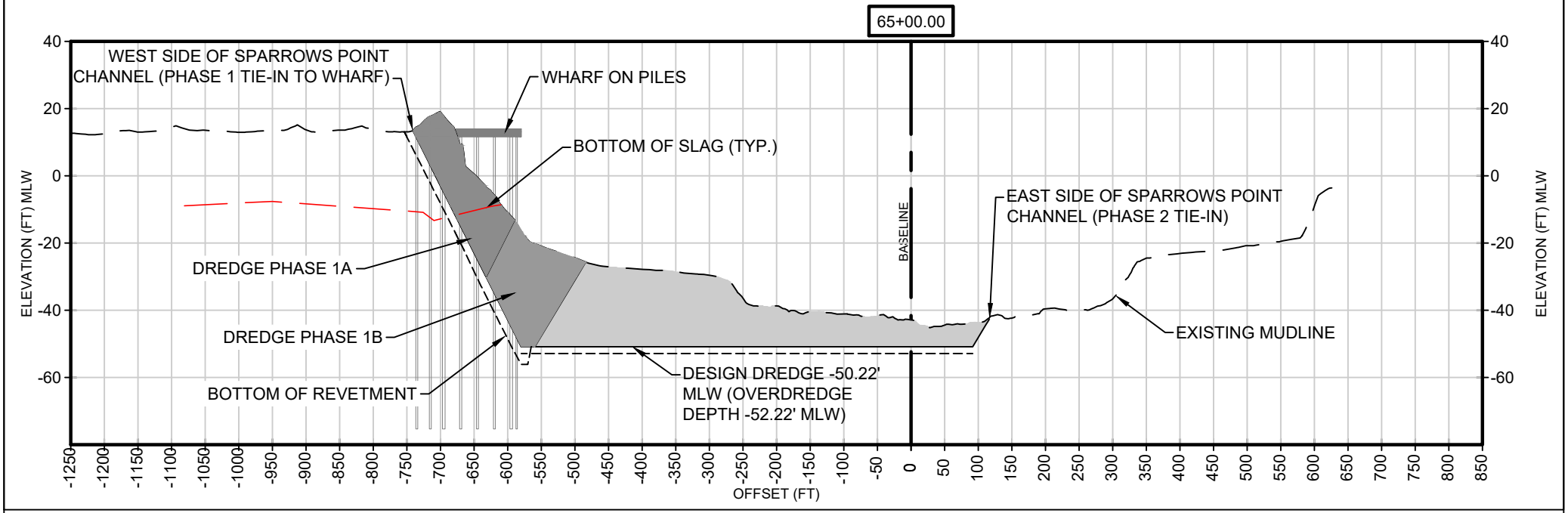


SPARROWS POINT CONTAINER TERMINAL

SECTIONS - DREDGING (SHEET 11 OF 14)

| DATE | PROJECT NUMBER | DESIGNED BY | DRAWN BY | CHECKED BY | PROJECT MGR. | SHEET NUMBER | DRAWING |
|---|---|---|---|---|---|---|---|
| 05/02/2025 | | ATR | ATR | | | | CN311 |

SHEET SIZE: A




LEGEND:

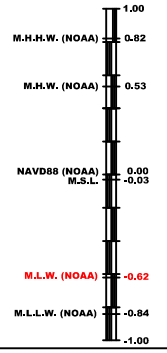
- PHASE 1A DREDGING AREA
- PHASE 1B DREDGING AREA
- PHASE 2 DREDGING AREA
- APPROX. BOTTOM OF SLAG
- DESIGN DEPTH
- EXISTING MUDLINE
- OVERDREDGE
- BOTTOM OF REVETMENT

0 110 220 330 440

1"=220'-0" SCALE IN FEET

5X VERTICAL EXAGGERATION

NOTE:
1. ELEVATIONS SHOWN ARE REFERENCED TO MEAN LOW WATER (MLW) AS DEFINED BY NOAA BALTIMORE TIDE GAUGE (STATION ID 8574680). A CONVERSION SCALE IS SHOWN ON THIS DRAWING TO CONVERT TO OTHER DATUMS.




HATCH LANGAN

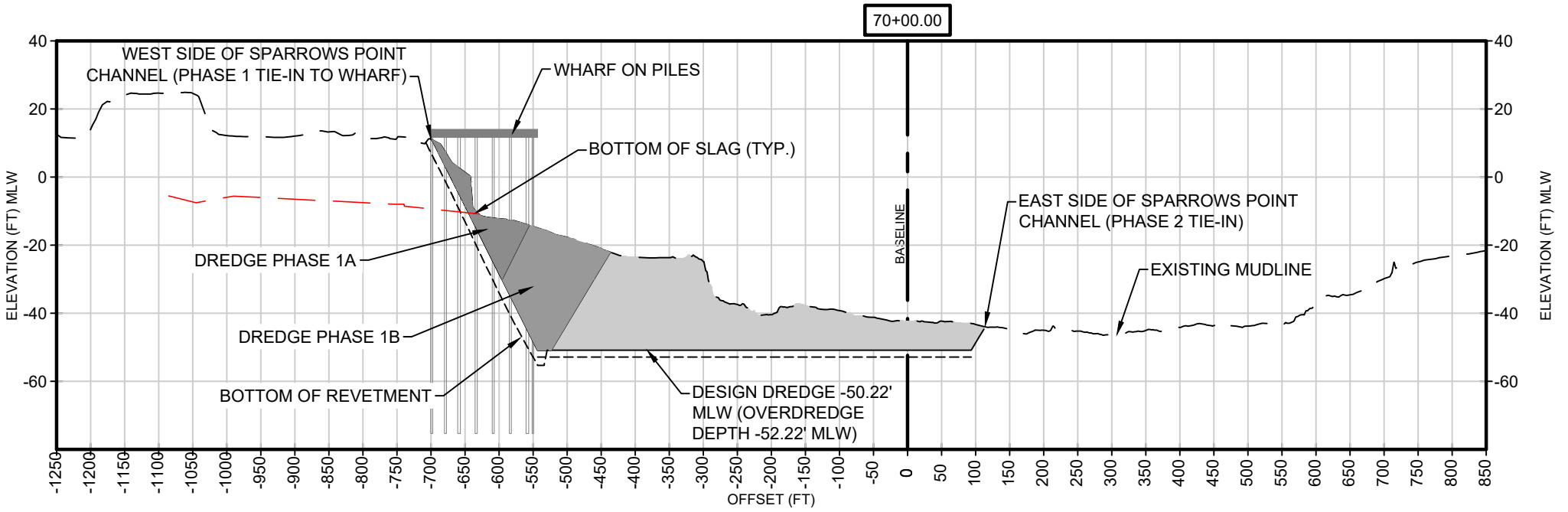


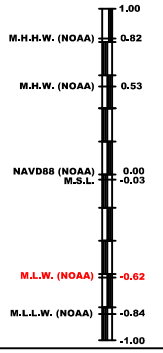
SPARROWS POINT CONTAINER TERMINAL

SECTIONS - DREDGING (SHEET 12 OF 14)

| DATE | PROJECT NUMBER | DESIGNED BY | DRAWN BY | CHECKED BY | PROJECT MGR. | SHEET NUMBER | DRAWING |
|---|---|---|---|---|---|---|---|
| 05/02/2025 | | ATR | ATR | | | | CN312 |

SHEET SIZE: A




0 110 220 330 440

1"=220'-0" SCALE IN FEET

5X VERTICAL EXAGGERATION

**LEGEND:**

- PHASE 1A DREDGING AREA
- PHASE 1B DREDGING AREA
- PHASE 2 DREDGING AREA
- APPROX. BOTTOM OF SLAG
- DESIGN DEPTH
- EXISTING MUDLINE
- OVERDREDGE
- BOTTOM OF REVETMENT

**NOTE:**
1. ELEVATIONS SHOWN ARE REFERENCED TO MEAN LOW WATER (MLW) AS DEFINED BY NOAA BALTIMORE TIDE GAUGE (STATION ID 8574680). A CONVERSION SCALE IS SHOWN ON THIS DRAWING TO CONVERT TO OTHER DATUMS.

HATCH LANGAN

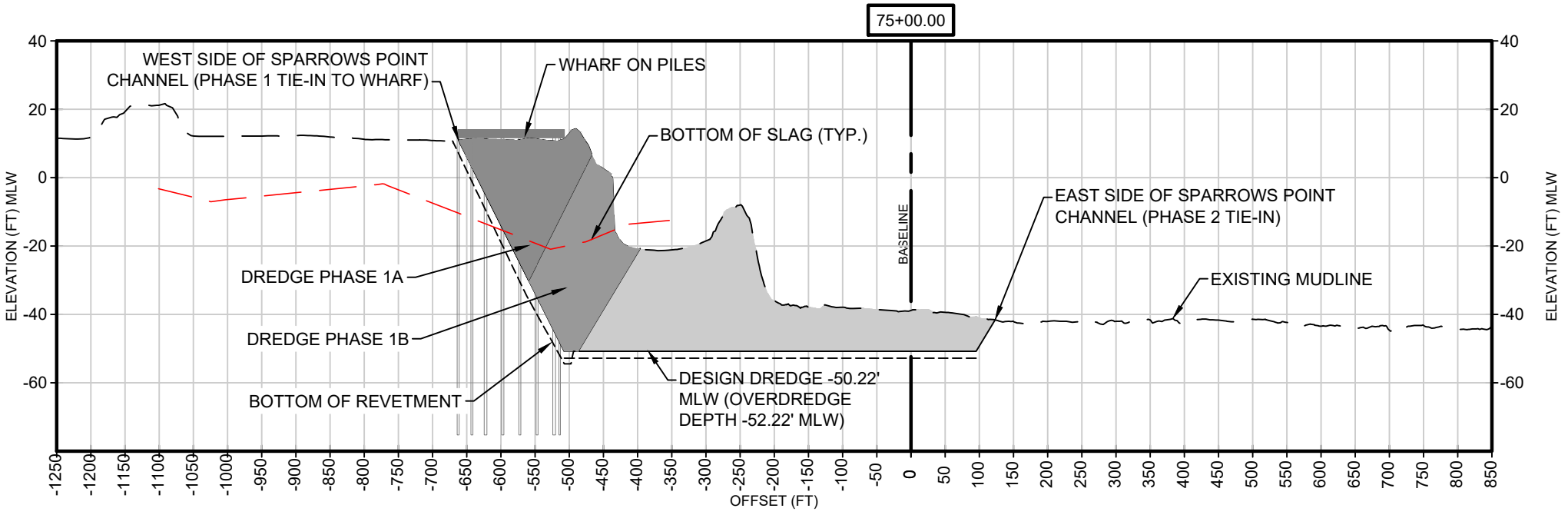


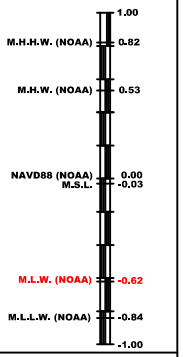
SPARROWS POINT CONTAINER TERMINAL

SECTIONS - DREDGING (SHEET 13 OF 14)

| DATE | PROJECT NUMBER | DESIGNED BY | DRAWN BY | CHECKED BY | PROJECT MGR. | SHEET NUMBER | DRAWING |
|---|---|---|---|---|---|---|---|
| 05/02/2025 | | ATR | ATR | | | | CN313 |

SHEET SIZE: A




0 110 220 330 440

1"=220'-0" SCALE IN FEET

5X VERTICAL EXAGGERATION

**LEGEND:**

- PHASE 1A DREDGING AREA
- PHASE 1B DREDGING AREA
- PHASE 2 DREDGING AREA
- APPROX. BOTTOM OF SLAG
- DESIGN DEPTH
- EXISTING MUDLINE
- OVERDREDGE
- BOTTOM OF REVETMENT

**NOTE:**
1. ELEVATIONS SHOWN ARE REFERENCED TO MEAN LOW WATER (MLW) AS DEFINED BY NOAA BALTIMORE TIDE GAUGE (STATION ID 8574680). A CONVERSION SCALE IS SHOWN ON THIS DRAWING TO CONVERT TO OTHER DATUMS.

HATCH LANGAN



SPARROWS POINT CONTAINER TERMINAL

# SECTIONS - DREDGING (SHEET 14 OF 14)

| DATE | PROJECT NUMBER | DESIGNED BY | DRAWN BY | CHECKED BY | PROJECT MGR. | SHEET NUMBER | DRAWING |
|---|---|---|---|---|---|---|---|
| 05/02/2025 | | ATR | ATR | | | | CN314 |

SHEET SIZE: A

# DREDGING IMPACTS SUMMARY
# SPARROWS POINT CHANNEL

| PROPOSED DREDGE QUANTITIES | |
|---|---|
| Proposed Total Dredge Footprint (SF) | 5,907,855 |
| Proposed Total Dredge Footprint (Acres) | 135.63 |
| Previously Permitted Maintenance Dredge Footprint (SF) | 2,925,513 |
| Previously Permitted Maintenance Dredge Footprint (Acres) | 67.16 |
| Proposed Dredge Footprint Not Previously Maintained as Maintenance Dredging (SF) | 2,705,013 |
| Proposed Dredge Footprint Not Previously Maintained as Maintenance Dredging (Acres) | 62.10 |
| Proposed Dredge Volume (CY) | 4,200,000 |
| Open Water Created Through Excavation (SF) | 277,329 |
| Open Water Created Through Excavation (Acres) | 6.37 |
| Proposed Dredge Footprint Between MHW and -3 MLW (SF) | 65,527 |
| Proposed Dredge Footprint Between MHW and -3 MLW (Acres) | 1.50 |
| Excavation Volume (CY) | 133,361 |



SPARROWS POINT CONTAINER TERMINAL

DREDGING IMPACTS SUMMARY

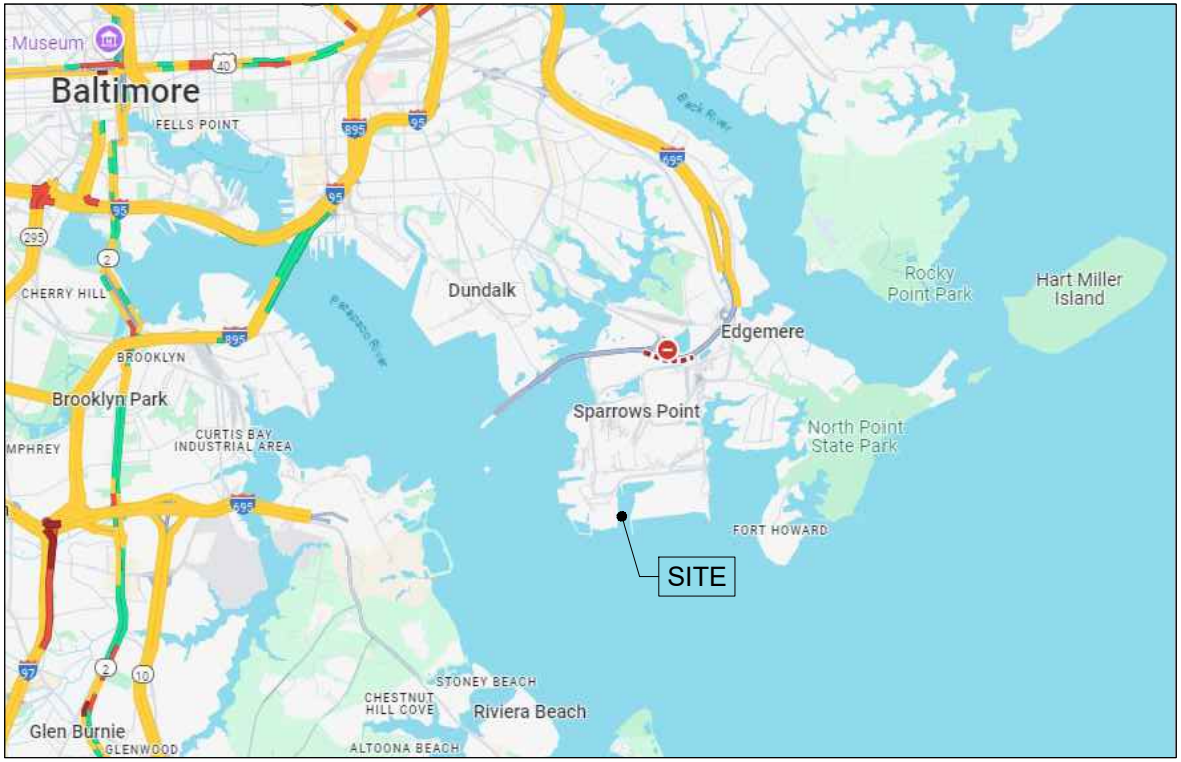
| DATE | PROJECT NUMBER | DESIGNED BY | DRAWN BY | CHECKED BY | PROJECT MGR. | SHEET NUMBER | DRAWING |
|---|---|---|---|---|---|---|---|
| 05/23/2025 | | ATR | ATR | | | | CN100 |

SHEET SIZE: A

# SPARROWS POINT CONTAINER TERMINAL WHARF

## SHORELINE IMPACT

BALTIMORE COUNTY, MARYLAND




## LIST OF DRAWINGS:

| DRAWING NO. | SHEET | DRAWING TITLE |
|---|---|---|
| 0001 | 1 | **TITLE SHEET** |
| 0002 | 2 | GENERAL ARRANGEMENT |
| CN108 | | NORTH OF WHARF |
| 0003 | 3 | WHARF PLAN SHEET 1 OF 2 |
| 0004 | 4 | WHARF PLAN SHEET 2 OF 2 |
| CN109 | | SOUTH OF WHARF |
| 0005 | 5 | INTENTIONALLY OMITTED |
| 0006 | 6 | SECTION |
| 0007 | 7 | SECTION |
| 0008 | 8 | SECTION |
| 0009 | 9 | SECTION |
| 0010 | 10 | IMPACT |

HATCH

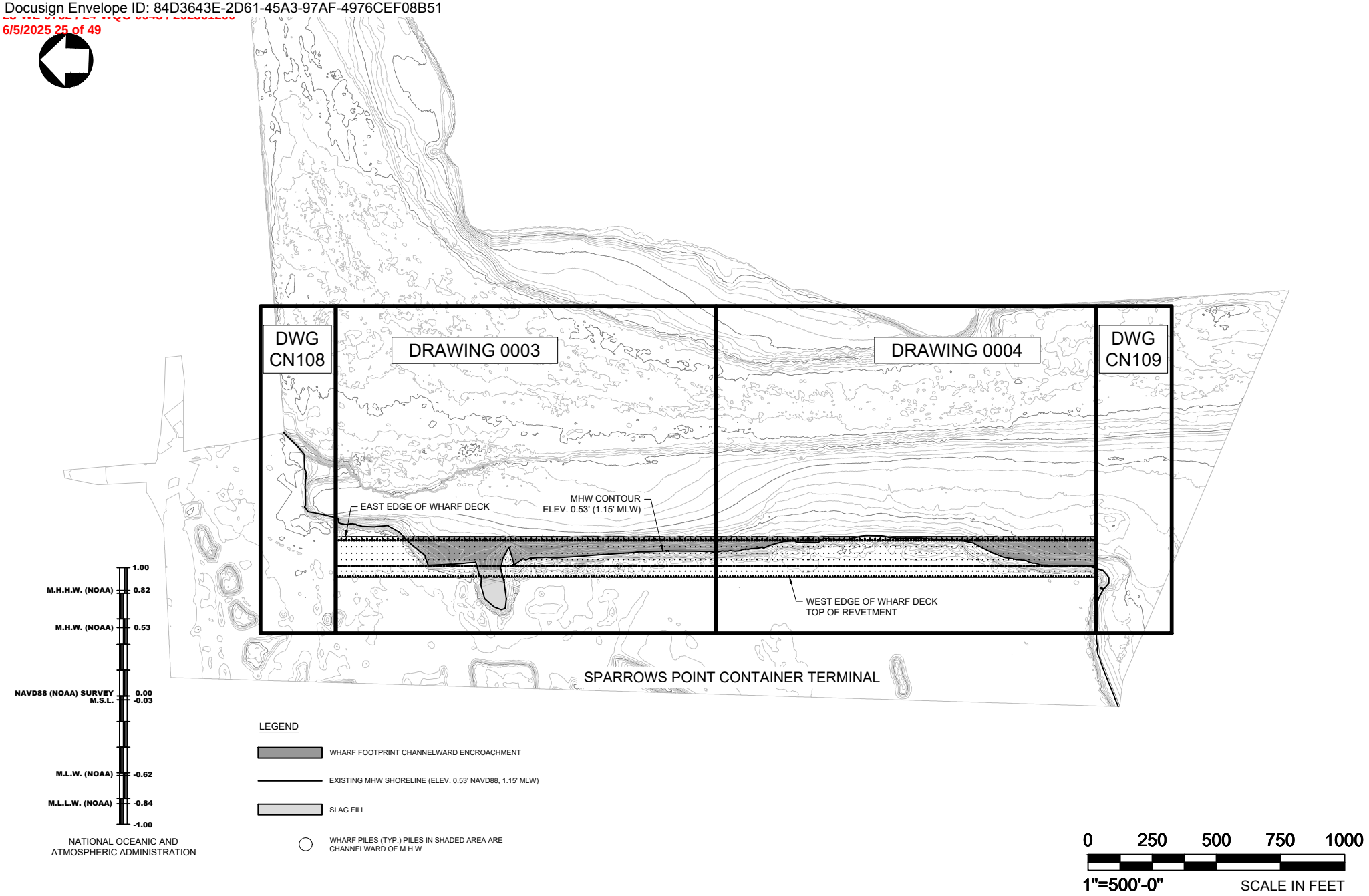


SPARROWS POINT CONTAINER TERMINAL WHARF
BALTIMORE COUNTY, MARYLAND

TITLE SHEET

| DATE | PROJECT NUMBER | DESIGNED BY | DRAWN BY | CHECKED BY | PROJECT MGR. | SHEET NUMBER | DRAWING |
|---|---|---|---|---|---|---|---|
| 25/0 -. 4 | H374437 | SARA SHATZ | TIM DONOVAN | SARA SHATZ | JOSHUA NELSON | 1 OF 10 | 0001 |

SHEET SIZE: A




HATCH



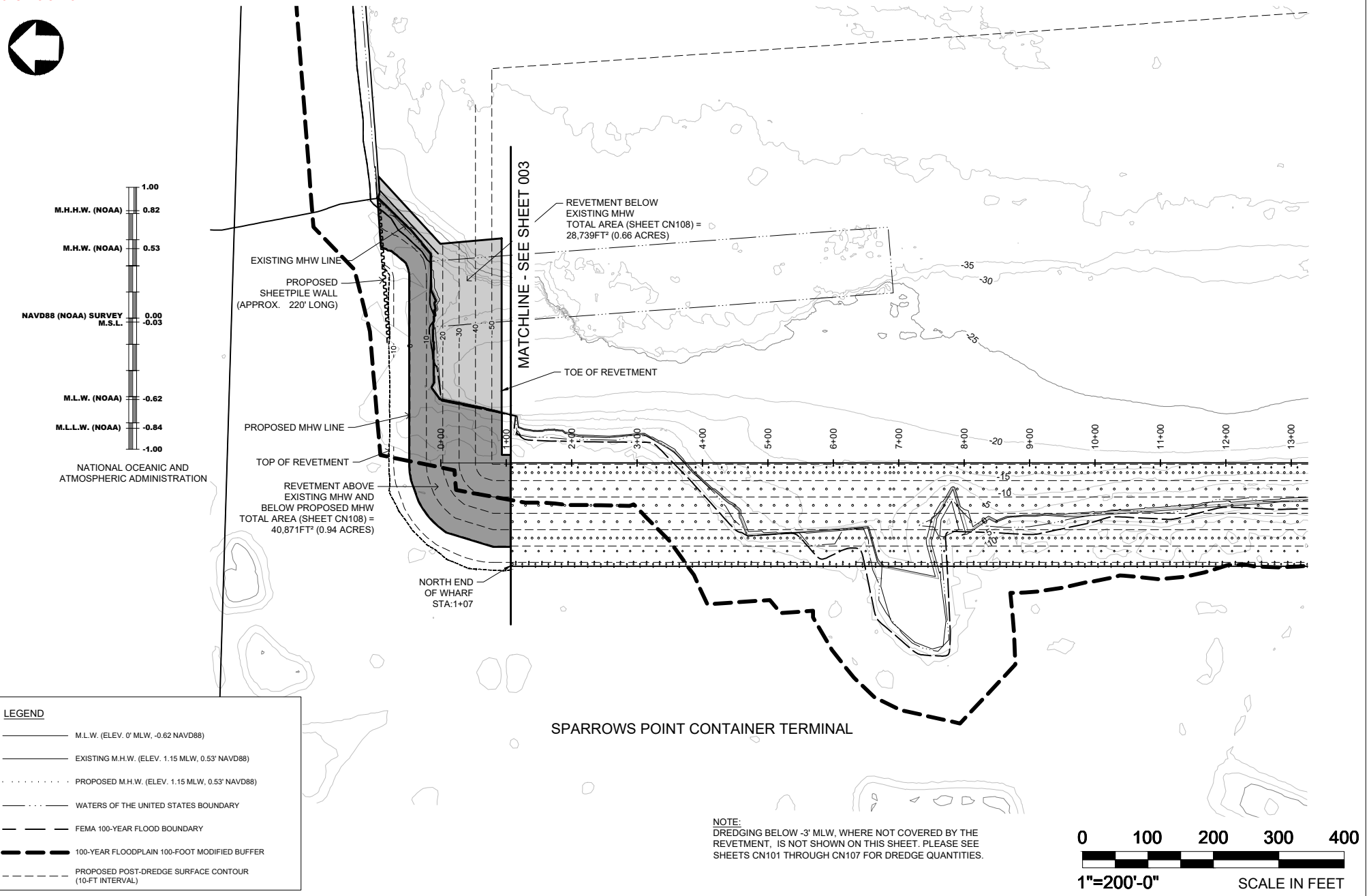
# SPARROWS POINT CONTAINER TERMINAL WHARF

BALTIMORE COUNTY, MARYLAND

## GENERAL ARRANGEMENT

| DATE | PROJECT NUMBER | DESIGNED BY | DRAWN BY | CHECKED BY | PROJECT MGR. | SHEET NUMBER | DRAWING |
|---|---|---|---|---|---|---|---|
| 25/05/21 | H374437 | SARA SHATZ | TIM DONOVAN | SARA SHATZ | JOSHUA NELSON | 2 OF 10 | 0002 |

SHEET SIZE: A




LEGEND

- M.L.W. (ELEV. 0' MLW, -0.62 NAVD88)
- EXISTING M.H.W. (ELEV. 1.15 MLW, 0.53' NAVD88)
- PROPOSED M.H.W. (ELEV. 1.15 MLW, 0.53' NAVD88)
- WATERS OF THE UNITED STATES BOUNDARY
- FEMA 100-YEAR FLOOD BOUNDARY
- 100-YEAR FLOODPLAIN 100-FOOT MODIFIED BUFFER
- PROPOSED POST-DREDGE SURFACE CONTOUR (10-FT INTERVAL)

NOTE:
DREDGING BELOW -3' MLW, WHERE NOT COVERED BY THE REVETMENT, IS NOT SHOWN ON THIS SHEET. PLEASE SEE SHEETS CN101 THROUGH CN107 FOR DREDGE QUANTITIES.

0 100 200 300 400
1"=200'-0" SCALE IN FEET

HATCH



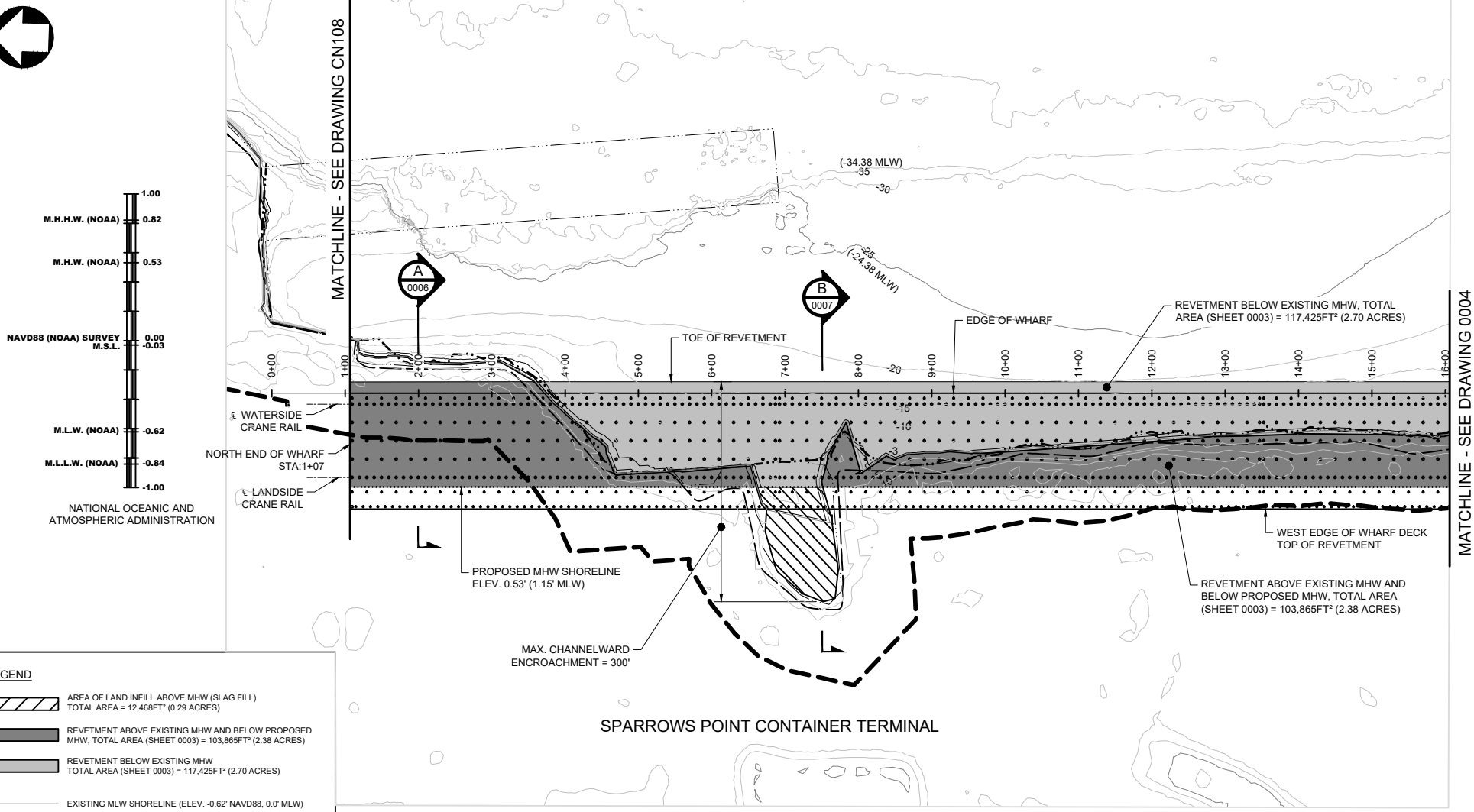
SPARROWS POINT CONTAINER TERMINAL WHARF

BALTIMORE COUNTY, MARYLAND

PLAN - NORTH OF WHARF

| DATE | PROJECT NUMBER | DESIGNED BY | DRAWN BY | CHECKED BY | PROJECT MGR. | SHEET NUMBER | DRAWING |
|---|---|---|---|---|---|---|---|
| 25/05/21 | H374437 | ANTHONY RUANE | ANTHONY RUANE | CHRIS KAKOLEWSKI | CHRIS KAKOLEWSKI | | CN108 |

SHEET SIZE: A







NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

LEGEND

- AREA OF LAND INFILL ABOVE MHW (SLAG FILL) TOTAL AREA = 12,468FT² (0.29 ACRES)
- REVETMENT ABOVE EXISTING MHW AND BELOW PROPOSED MHW, TOTAL AREA (SHEET 0003) = 103,865FT² (2.38 ACRES)
- REVETMENT BELOW EXISTING MHW TOTAL AREA (SHEET 0003) = 117,425FT² (2.70 ACRES)
- EXISTING MLW SHORELINE (ELEV. -0.62' NAVD88, 0.0' MLW)
- EXISTING MHW SHORELINE (ELEV. 0.53' NAVD88, 1.15' MLW)
- PROPOSED MHW SHORELINE (ELEV. 0.53' NAVD88, 1.15' MLW)
- WATERS OF THE UNITED STATES BOUNDARY
- FEMA 100-YEAR FLOOD BOUNDARY
- 100-YEAR FLOODPLAIN 100-FOOT MODIFIED BUFFER
- WHARF PILES (TYP.) TOTAL PILE AREA (SHEET 0003) CHANNELWARD OF EXISTING MHW = 2,145 FT² (0.05 ACRES)

NOTE:
DREDGING IS NOT SHOWN ON THIS SHEET. PLEASE SEE SHEETS CN101 THROUGH CN107 FOR DREDGE QUANTITIES.

0 100 200 300 400
1"=200'-0" SCALE IN FEET

HATCH

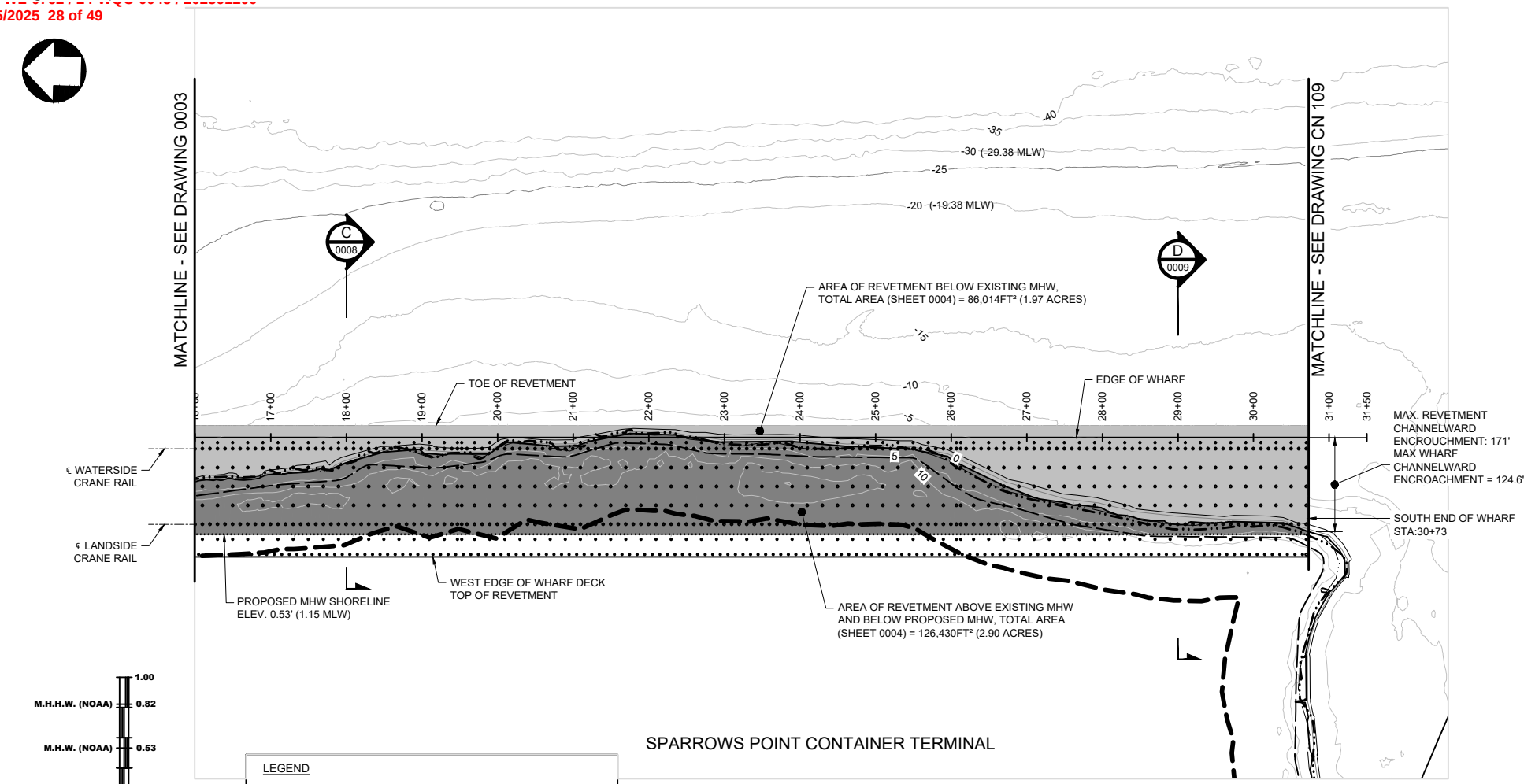


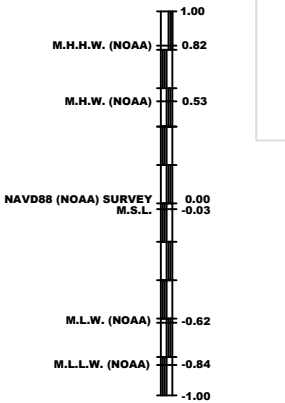
SPARROWS POINT CONTAINER TERMINAL WHARF
BALTIMORE COUNTY, MARYLAND

WHARF PLAN - SHEET 1 OF 2

| DATE | PROJECT NUMBER | DESIGNED BY | DRAWN BY | CHECKED BY | PROJECT MGR. | SHEET NUMBER | DRAWING |
|---|---|---|---|---|---|---|---|
| 25/05/23 | H374437 | SARA SHATZ | TIM DONOVAN | SARA SHATZ | JOSHUA NELSON | 3 OF 10 | 0003 |

SHEET SIZE: A




NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

LEGEND

- AREA OF REVETMENT ABOVE EXISTING MHW AND BELOW PROPOSED MHW, TOTAL AREA (SHEET 0004) = 126,430FT² (2.90 ACRES)
- AREA OF REVETMENT BELOW EXISTING MHW, TOTAL AREA (SHEET 0004) = 86,014FT² (1.97 ACRES)
- EXISTING MLW SHORELINE (ELEV. -0.62' NAVD88, 0.0' MLW)
- EXISTING MHW SHORELINE (ELEV. 0.53' NAVD88, 1.15' MLW)
- PROPOSED MHW SHORELINE (ELEV. 0.53' NAVD88, 1.15' MLW)
- WATERS OF THE UNITED STATES BOUNDARY
- FEMA 100-YEAR FLOOD BOUNDARY
- 100-YEAR FLOODPLAIN 100-FOOT MODIFIED BUFFER
- WHARF PILES (TYP.) TOTAL PILE AREA (SHEET 0004) CHANNELWARD OF MHW = 1,471FT² (0.03 ACRES)

NOTE:
DREDGING IS NOT SHOWN ON THIS SHEET. PLEASE SEE SHEETS CN101 THROUGH CN107 FOR DREDGE QUANTITIES.

0 100 200 300 400
1"=200'-0" SCALE IN FEET

HATCH



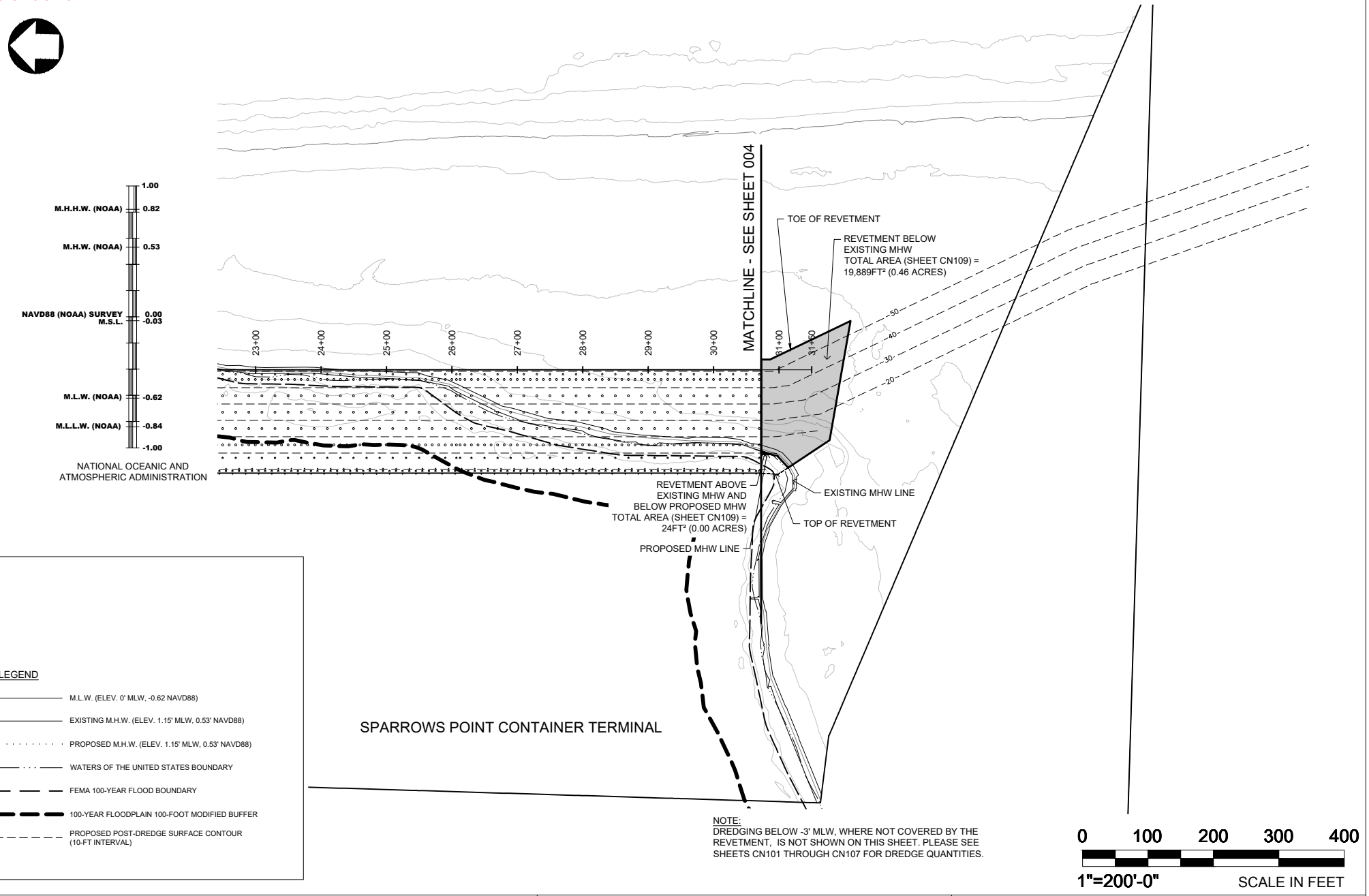
SPARROWS POINT CONTAINER TERMINAL WHARF

BALTIMORE COUNTY, MARYLAND

WHARF PLAN - SHEET 2 OF 2

| DATE | PROJECT NUMBER | DESIGNED BY | DRAWN BY | CHECKED BY | PROJECT MGR. | SHEET NUMBER | DRAWING |
|---|---|---|---|---|---|---|---|
| 25/05/21 | H374437 | SARA SHATZ | TIM DONOVAN | SARA SHATZ | JOSHUA NELSON | 4 OF 10 | 0004 |

SHEET SIZE: A




HATCH



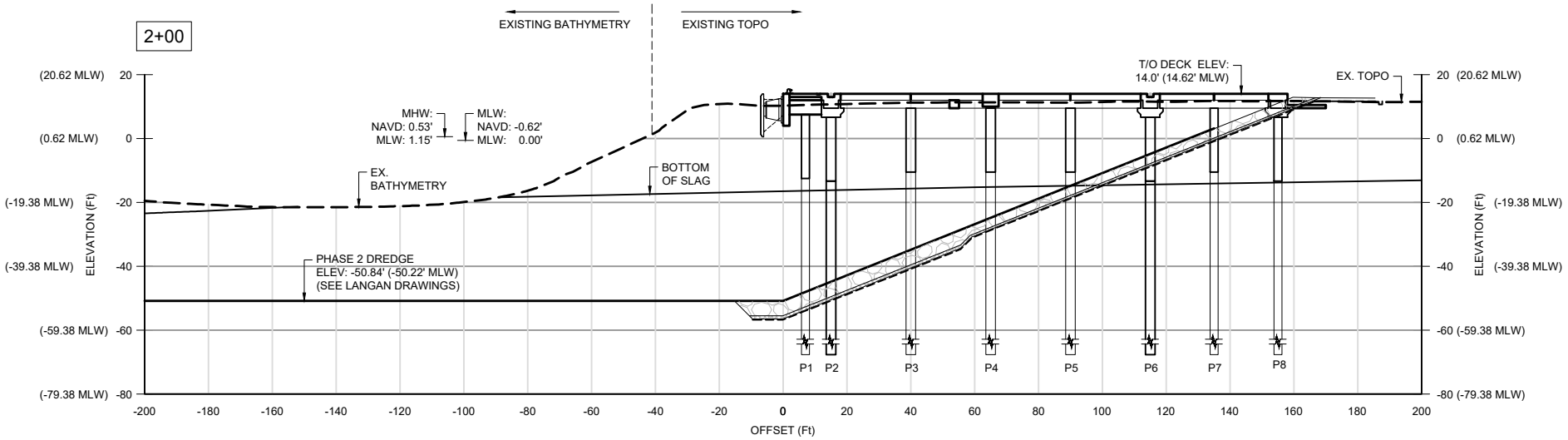
SPARROWS POINT CONTAINER TERMINAL WHARF

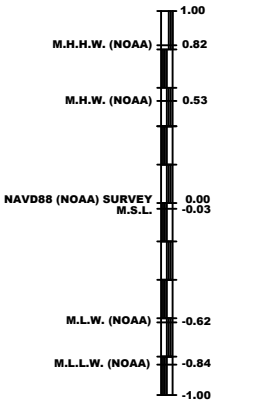
BALTIMORE COUNTY, MARYLAND

PLAN - SOUTH OF WHARF

| DATE | PROJECT NUMBER | DESIGNED BY | DRAWN BY | CHECKED BY | PROJECT MGR. | SHEET NUMBER | DRAWING |
|---|---|---|---|---|---|---|---|
| 25/05/09 | H374437 | ANTHONY RUANE | ANTHONY RUANE | CHRIS KAKOLEWSKI | CHRIS KAKOLEWSKI | | CN109 |

SHEET SIZE: A




NATIONAL OCEANIC AND
ATMOSPHERIC ADMINISTRATION

PILE LEGEND:

P1 = Ø30" STEEL CANTILEVER PILE (20' SPACING)
P2 = Ø36" STEEL CRANE RAIL PILE (10' SPACING)
P3 = Ø36" STEEL DECK PILE (20' SPACING)
P4 = Ø36" STEEL DECK PILE (20' SPACING)
P5 = Ø36" STEEL DECK PILE (20' SPACING)
P6 = Ø36" STEEL CRANE RAIL PILE (10' SPACING)
P7 = Ø30" STEEL DECK PILE (20' SPACING)
P8 = Ø30" STEEL PILE (10' SPACING)


HATCH



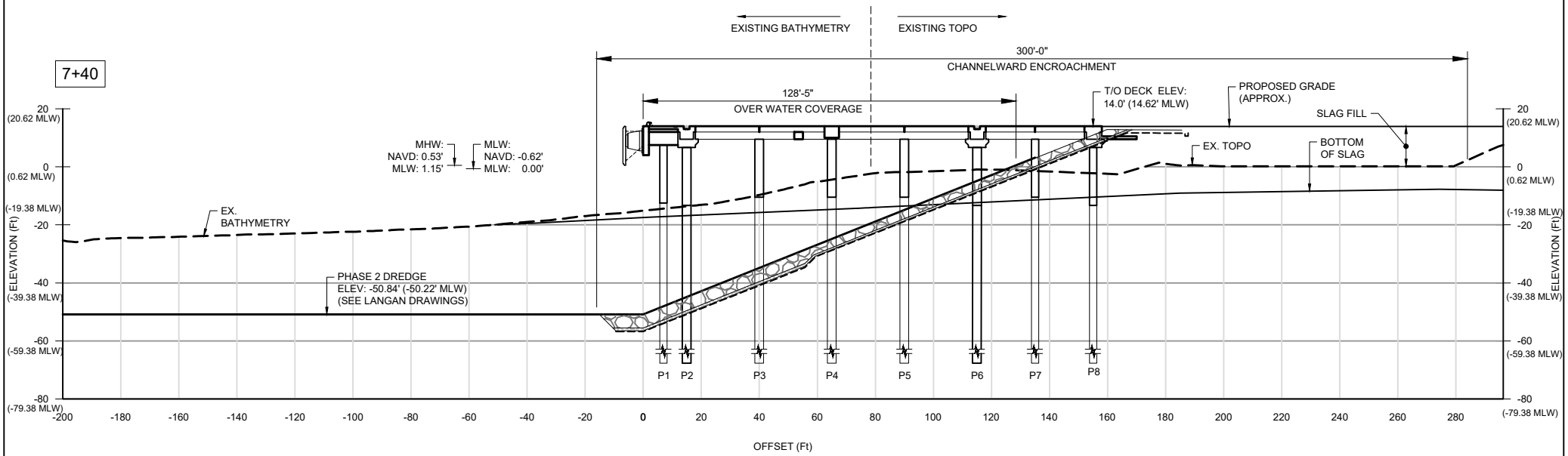
SPARROWS POINT CONTAINER TERMINAL WHARF

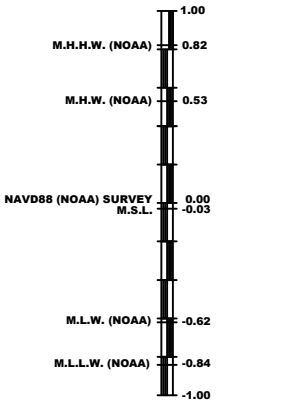
BALTIMORE COUNTY, MARYLAND

SECTION

| DATE | PROJECT NUMBER | DESIGNED BY | DRAWN BY | CHECKED BY | PROJECT MGR. | SHEET NUMBER | DRAWING |
|---|---|---|---|---|---|---|---|
| 25/05/05 | H374437 | SARA SHATZ | TIM DONOVAN | SARA SHATZ | JOSHUA NELSON | 6 OF 10 | 0006 |

SHEET SIZE: A




NATIONAL OCEANIC AND
ATMOSPHERIC ADMINISTRATION

PILE LEGEND:

P1 = Ø30" STEEL CANTILEVER PILE (20' SPACING)
P2 = Ø36" STEEL CRANE RAIL PILE (10' SPACING)
P3 = Ø36" STEEL DECK PILE (20' SPACING)
P4 = Ø36" STEEL DECK PILE (20' SPACING)
P5 = Ø36" STEEL DECK PILE (20' SPACING)
P6 = Ø36" STEEL CRANE RAIL PILE (10' SPACING)
P7 = Ø30" STEEL DECK PILE (20' SPACING)
P8 = Ø30" STEEL PILE (10' SPACING)

0 25 50 75 100

1"=50'-0" SCALE IN FEET

HATCH



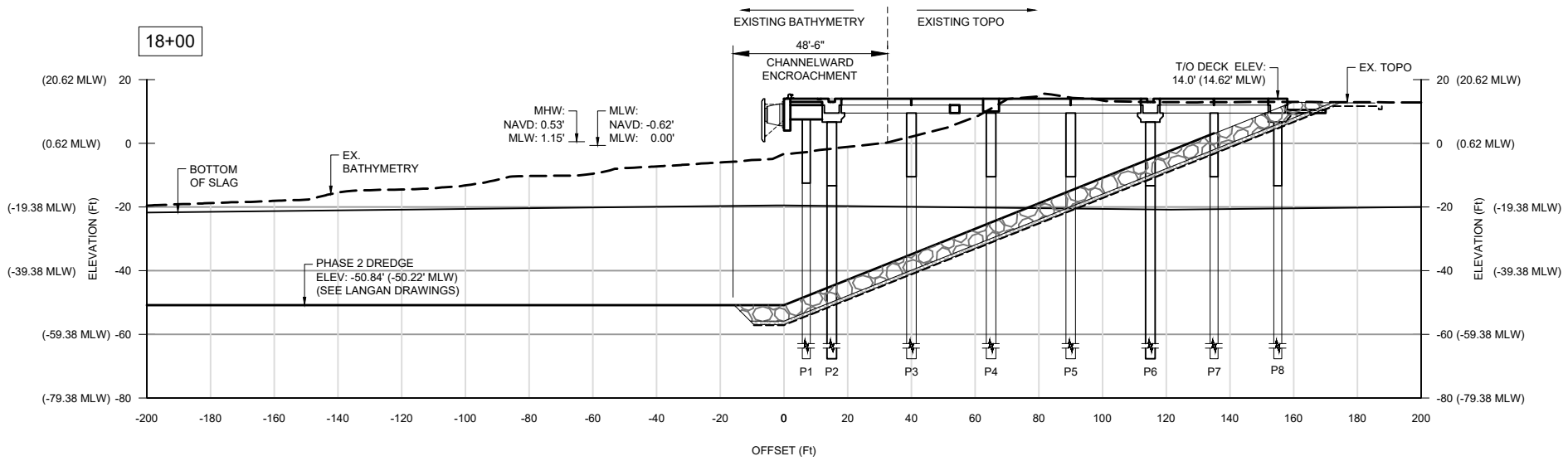
SPARROWS POINT
CONTAINER TERMINAL
WHARF

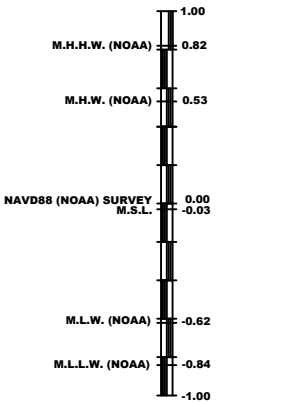
BALTIMORE COUNTY, MARYLAND

SECTION

| DATE | PROJECT NUMBER | DESIGNED BY | DRAWN BY | CHECKED BY | PROJECT MGR. | SHEET NUMBER | DRAWING |
|---|---|---|---|---|---|---|---|
| 25/05/05 | H374437 | SARA SHATZ | TIM DONOVAN | SARA SHATZ | JOSHUA NELSON | 7 OF 10 | 0007 |

SHEET SIZE: A




NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

PILE LEGEND:

P1 = Ø30" STEEL CANTILEVER PILE (20' SPACING)
P2 = Ø36" STEEL CRANE RAIL PILE (10' SPACING)
P3 = Ø36" STEEL DECK PILE (20' SPACING)
P4 = Ø36" STEEL DECK PILE (20' SPACING)
P5 = Ø36" STEEL DECK PILE (20' SPACING)
P6 = Ø36" STEEL CRANE RAIL PILE (10' SPACING)
P7 = Ø30" STEEL DECK PILE (20' SPACING)
P8 = Ø30" STEEL BATTER PILE (10' SPACING)

0 25 50 75 100
1"=50'-0" SCALE IN FEET

HATCH

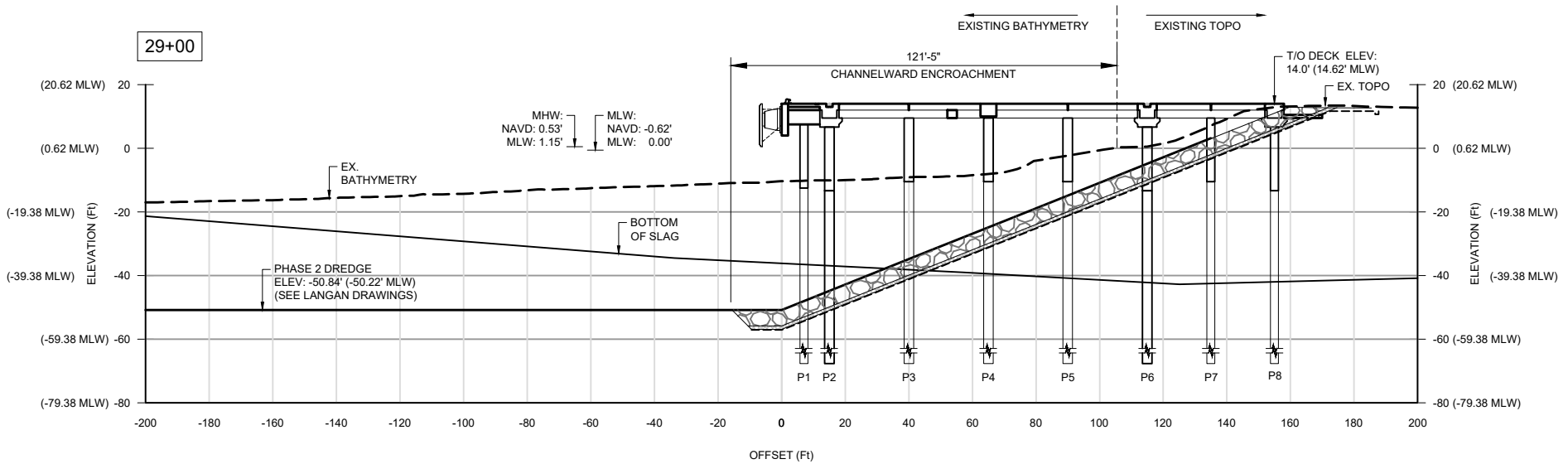


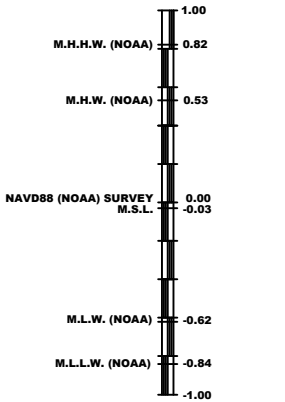
SPARROWS POINT CONTAINER TERMINAL WHARF
BALTIMORE COUNTY, MARYLAND

SECTION

| DATE | PROJECT NUMBER | DESIGNED BY | DRAWN BY | CHECKED BY | PROJECT MGR. | SHEET NUMBER | DRAWING |
|---|---|---|---|---|---|---|---|
| 25/05/05 | H374437 | SARA SHATZ | TIM DONOVAN | SARA SHATZ | JOSHUA NELSON | 8 OF 10 | 0008 |

SHEET SIZE: A




NATIONAL OCEANIC AND
ATMOSPHERIC ADMINISTRATION

PILE LEGEND:

P1 = Ø30" STEEL CANTILEVER PILE (20' SPACING)
P2 = Ø36" STEEL CRANE RAIL PILE (10' SPACING)
P3 = Ø36" STEEL DECK PILE (20' SPACING)
P4 = Ø36" STEEL DECK PILE (20' SPACING)
P5 = Ø36" STEEL DECK PILE (20' SPACING)
P6 = Ø36" STEEL CRANE RAIL PILE (10' SPACING)
P7 = Ø30" STEEL DECK PILE (20' SPACING)
P8 = Ø30" STEEL PILE (10' SPACING)


1"=50'-0" SCALE IN FEET

HATCH



SPARROWS POINT
CONTAINER TERMINAL
WHARF

BALTIMORE COUNTY, MARYLAND

SECTION

| DATE | PROJECT NUMBER | DESIGNED BY | DRAWN BY | CHECKED BY | PROJECT MGR. | SHEET NUMBER | DRAWING |
|---|---|---|---|---|---|---|---|
| 25/05/05 | H374437 | SARA SHATZ | TIM DONOVAN | SARA SHATZ | JOSHUA NELSON | 9 OF 10 | 0009 |

SHEET SIZE: A

| PILES WITHIN CURRENT STATE TIDAL WETLANDS | | | |
|---|---|---|---|
| DIAMETER | QUANTITY | AREA (FT²) | |
| 30" | 139 | 682.5 | |
| 36" | 415 | 2933.5 | |
| | 554 | 3616.0 | |
| | | 0.08 | ACRE |

| REVETMENT WITHIN CURRENT STATE TIDAL WETLANDS | | |
|---|---|---|
| AREA | AREA (FT²) | |
| BENEATH AND IN FRONT OF WHARF | 203,439 | |
| OUTSIDE OF WHARF ON BOTH ENDS | 48,628 | |
| | 252,067 | |
| | 5.79 | ACRE |

| PILES WITHIN PROPOSED TIDAL WETLANDS* | | | |
|---|---|---|---|
| DIAMETER | QUANTITY | AREA (FT²) | |
| 30" | 153 | 751.2 | |
| 36" | 1061 | 7501.3 | |
| | 1214 | 8,252.5 | |
| | | 0.19 | ACRE |

| REVETMENT WITHIN PROPOSED TIDAL WETLANDS* | | |
|---|---|---|
| AREA | AREA (FT²) | |
| BENEATH AND IN FRONT OF WHARF | 433,734 | |
| OUTSIDE OF WHARF ON BOTH ENDS | 89,523 | |
| | 523,257 | |
| | 12.01 | ACRE |

* QUANTITIES SHOWN ARE WITHIN ALL PROPOSED TIDAL WETLANDS, INCLUDING CURRENT STATE TIDAL WETLANDS

NINE SHIIP-TO-SHORE (STS) CRANES
ACTIVE CRANES: MAX HEIGHT OF 330' ABOVE WHARF DECK
STORED CRANES: MAX HEIGHT OF 484' ABOVE WHARF DECK

NTS


SLAG FILL AREA = 12,468FT² (0.3 ACRES)

HATCH



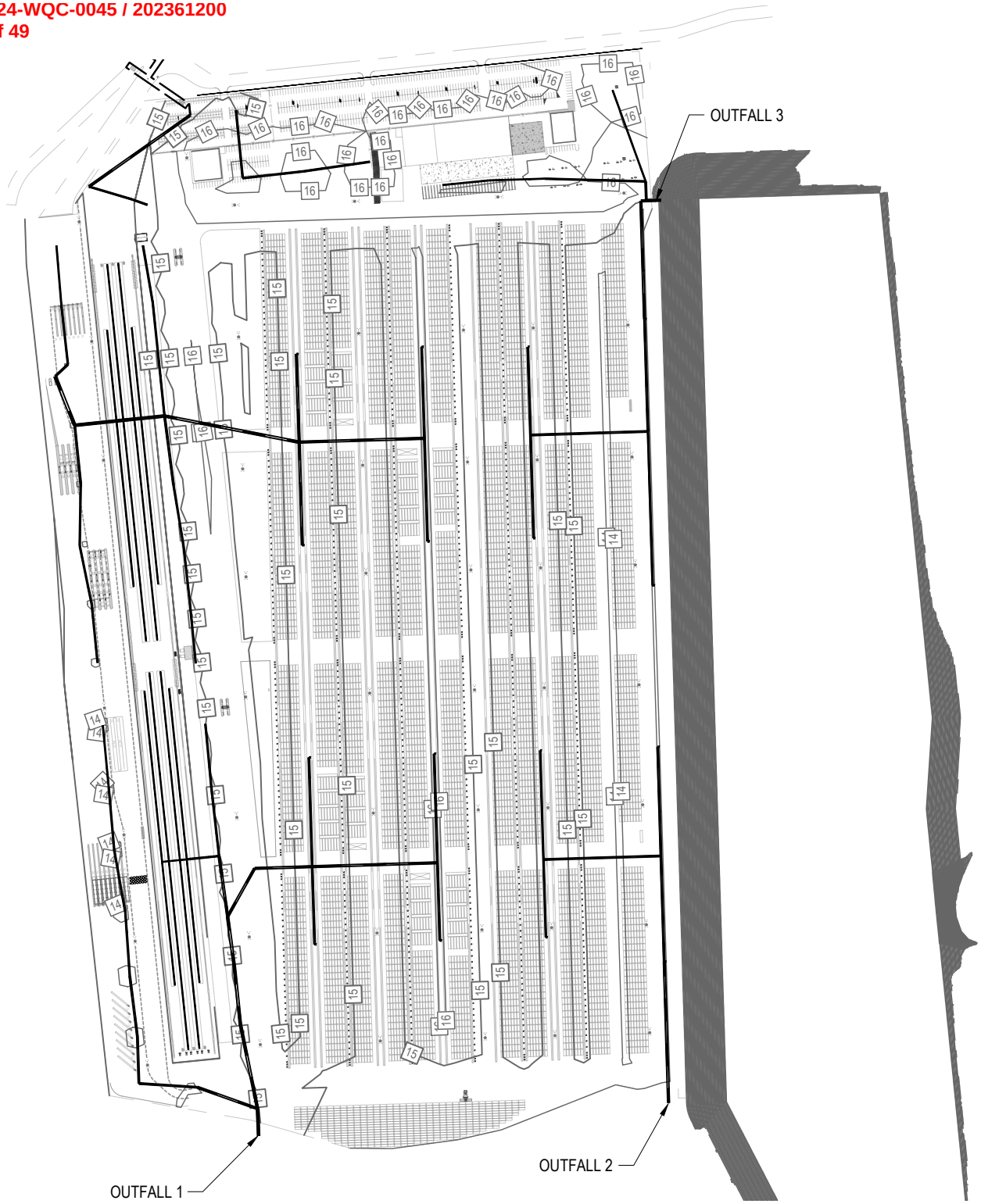
SPARROWS POINT CONTAINER TERMINAL WHARF

BALTIMORE COUNTY, MARYLAND

IMPACT

| DATE | PROJECT NUMBER | DESIGNED BY | DRAWN BY | CHECKED BY | PROJECT MGR. | SHEET NUMBER | DRAWING |
|---|---|---|---|---|---|---|---|
| 25/05/23 | H374437 | SARA SHATZ | TIM DONOVAN | SARA SHATZ | JOSHUA NELSON | 10 OF 10 | 0010 |

SHEET SIZE: A






05/01/2025 | DMD | MDA220013.03

# SPARROWS POINT CONTAINER TERMINAL

TRADEPOINT ATLANTIC

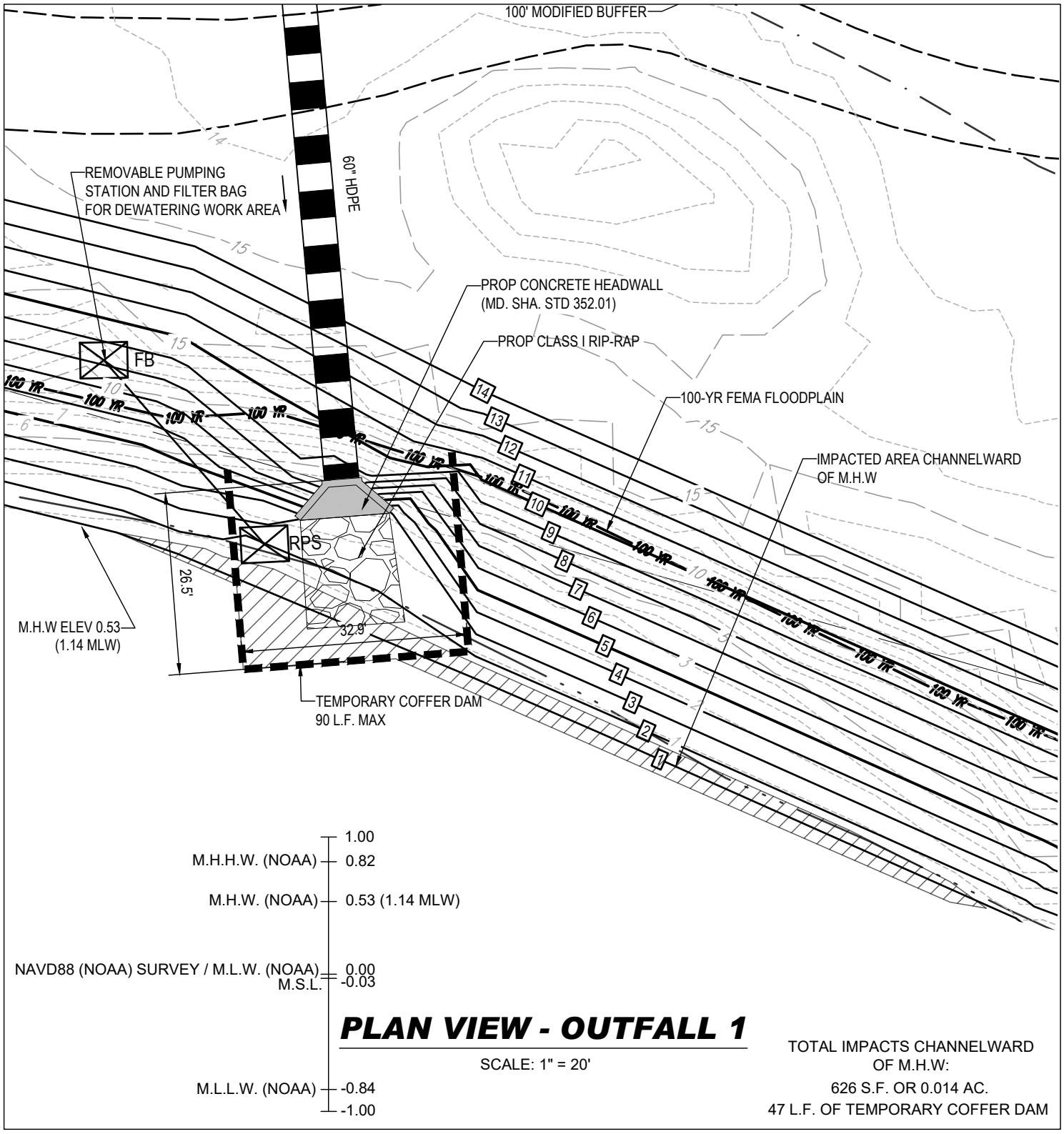
**BALTIMORE, MD 21219**

BOHLER

901 DULANEY VALLEY ROAD, SUITE 801
TOWSON, MARYLAND 21204
Phone: (410) 821-7900
Fax: (410) 821-7987
*MD@BohlerEng.com*

N

500 250 125 0
1"= 500'




## PLAN VIEW - OUTFALL 1

SCALE: 1" = 20'

TOTAL IMPACTS CHANNELWARD OF M.H.W:
626 S.F. OR 0.014 AC.
47 L.F. OF TEMPORARY COFFER DAM

H:\2022\MDA220013.03\CAD\DRAWINGS\EXHIBITS\OUTFALL EXHIBIT\P-C\VL-EXHA-MDA220013.03----->LAYOUT: PLAN 1

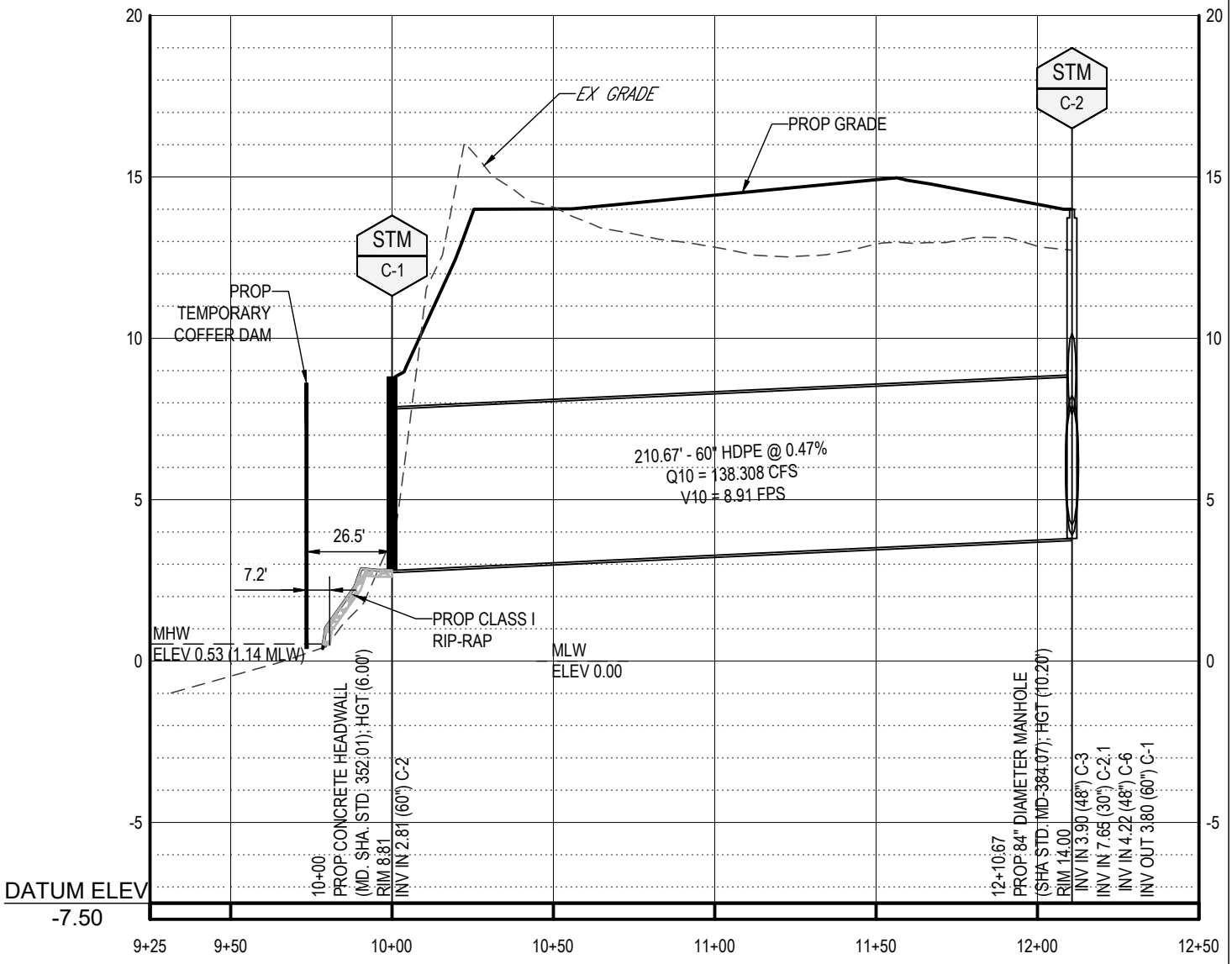
1/7/25 | DMD | MDA220013.03

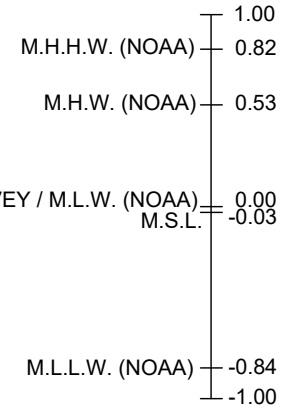
# SPARROWS POINT CONTAINER TERMINAL

BOHLER
901 DULANEY VALLEY ROAD, SUITE 801
TOWSON, MARYLAND 21204
Phone: (410) 821-7900
Fax: (410) 821-7987
MD@BohlerEng.com

TRADEPOINT ATLANTIC
BALTIMORE, MD 21219

20 10 5 0
1"= 20'




## PROPOSED OUTFALL 1

SCALE: 1"= 50 ' HORIZONTAL
1"= 5 ' VERTICAL

H:\2022\MDA220013.03\CAD\DRAWINGS\EXHIBITS\OUTFALL EXHIBIT\P-C\VL-EXHA-MDA220013.03----->LAYOUT: PROFILE 1

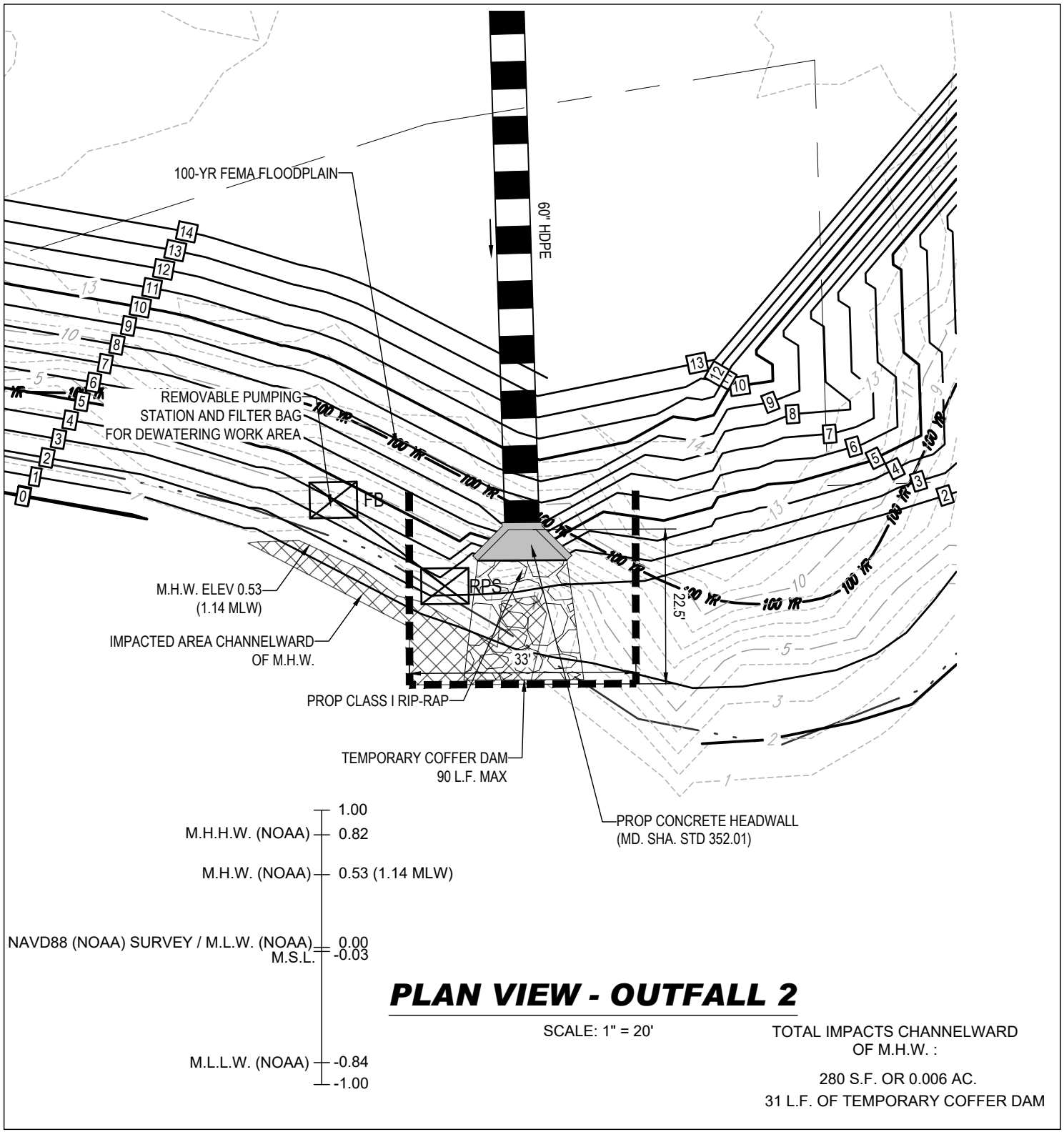
05/01/25 | DMD | MDA220013.03

# SPARROWS POINT CONTAINER TERMINAL

BOHLER
901 DULANEY VALLEY ROAD, SUITE 801
TOWSON, MARYLAND 21204
Phone: (410) 821-7900
Fax: (410) 821-7987
MD@BohlerEng.com

TRADEPOINT ATLANTIC
BALTIMORE, MD 21219

50 25 12.5 0
1"= 50'




# PLAN VIEW - OUTFALL 2

SCALE: 1" = 20'

TOTAL IMPACTS CHANNELWARD OF M.H.W. :

280 S.F. OR 0.006 AC.

31 L.F. OF TEMPORARY COFFER DAM

H:\2022\MDA220013.03\CAD\DRAWINGS\EXHIBITS\OUTFALL EXHIBIT\P-CIVL-EXHA-MDA220013.03----->LAYOUT: PLAN 2

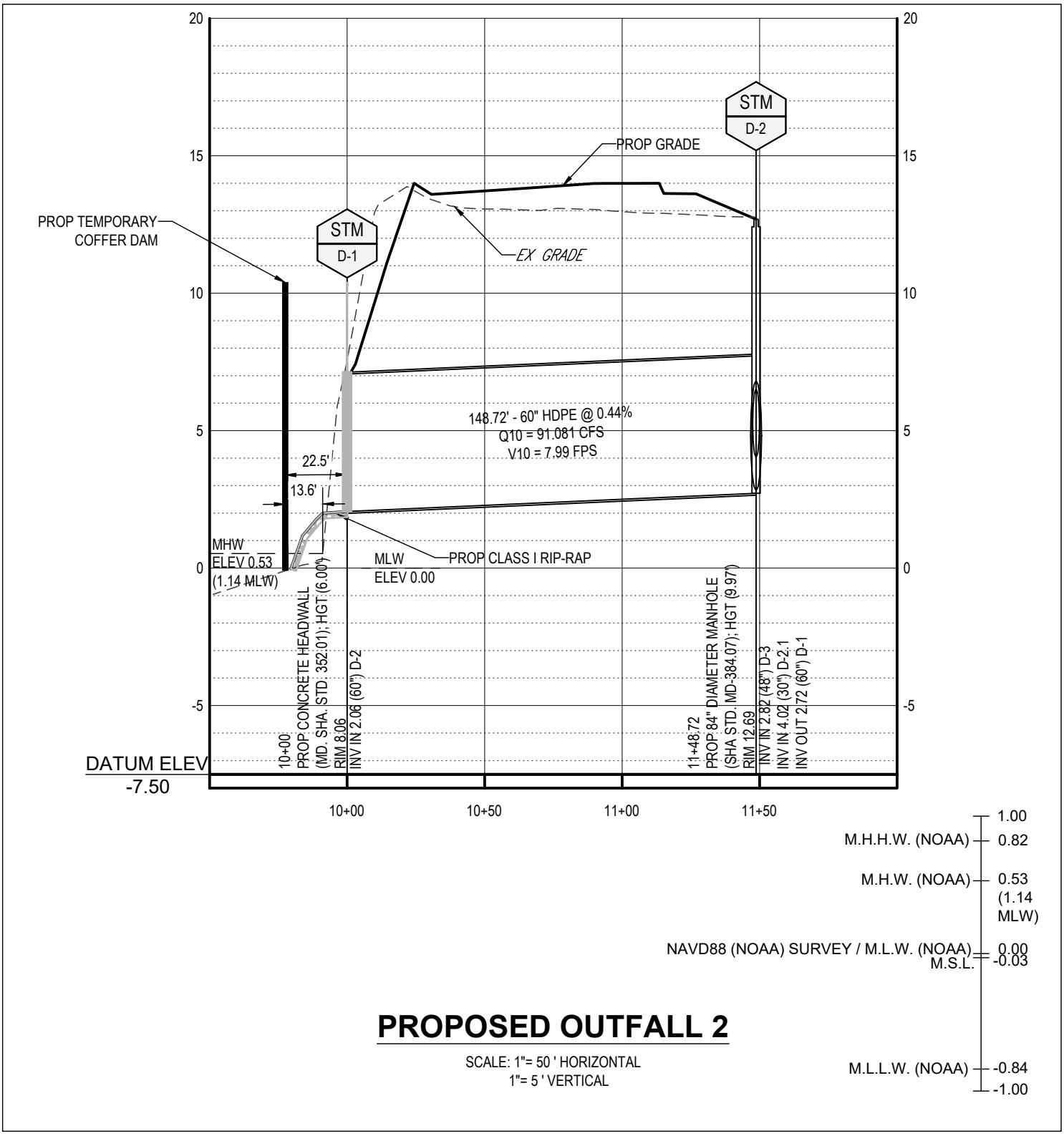
1/7/25 | DMD | MDA220013.03

# SPARROWS POINT CONTAINER TERMINAL

BOHLER
901 DULANEY VALLEY ROAD, SUITE 801
TOWSON, MARYLAND 21204
Phone: (410) 821-7900
Fax: (410) 821-7987
MD@BohlerEng.com

TRADEPOINT ATLANTIC
BALTIMORE, MD 21219

20 10 5 0
1"= 20'




# PROPOSED OUTFALL 2

SCALE: 1"= 50 ' HORIZONTAL
1"= 5 ' VERTICAL

H:\2022\MDA220013.03\CAD\DRAWINGS\EXHIBITS\OUTFALL EXHIBIT\P-CIVL-EXHA-MDA220013.03----->LAYOUT: PROFILE 2

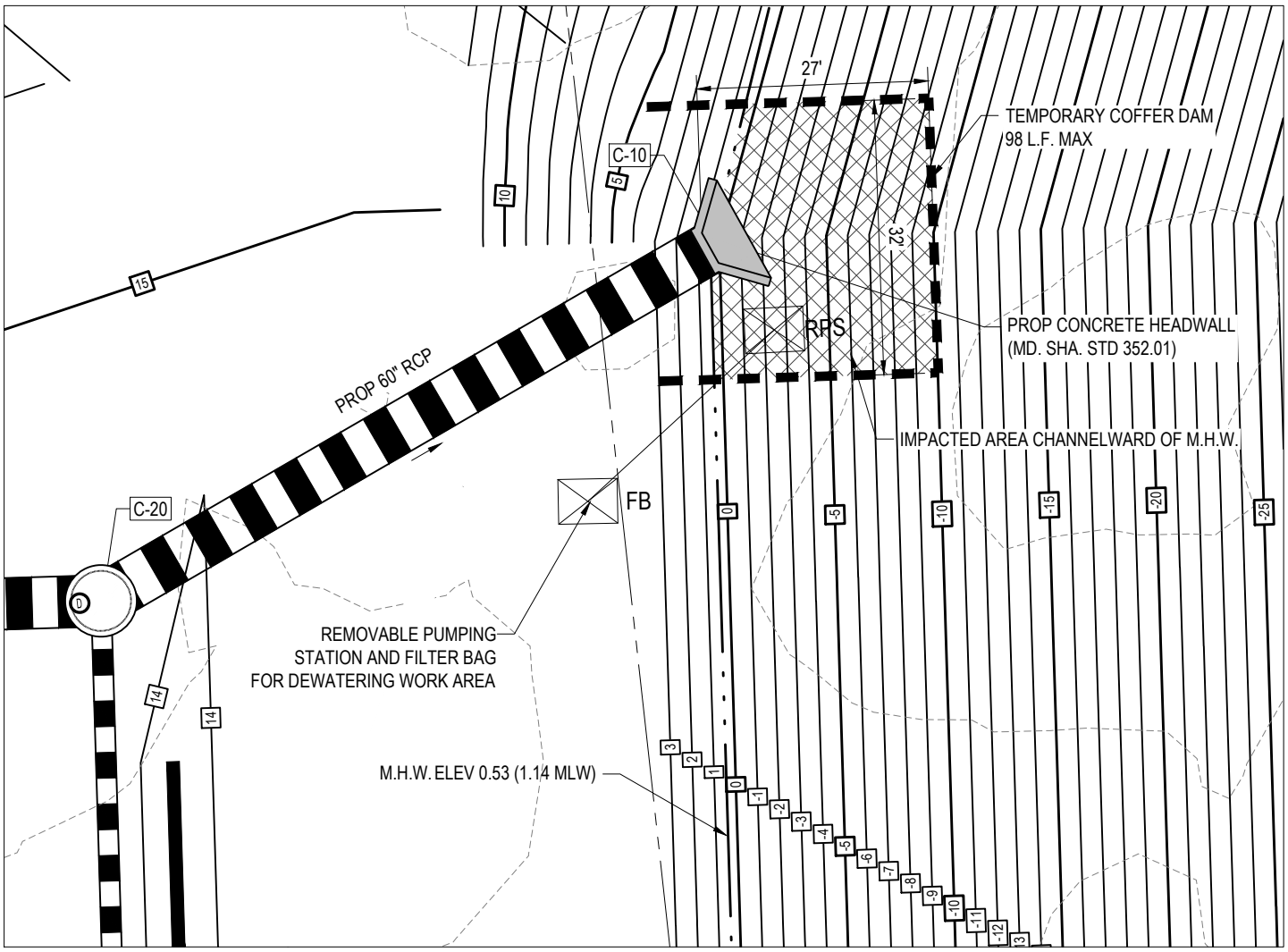
1/7/25 | DMD | MDA220013.03

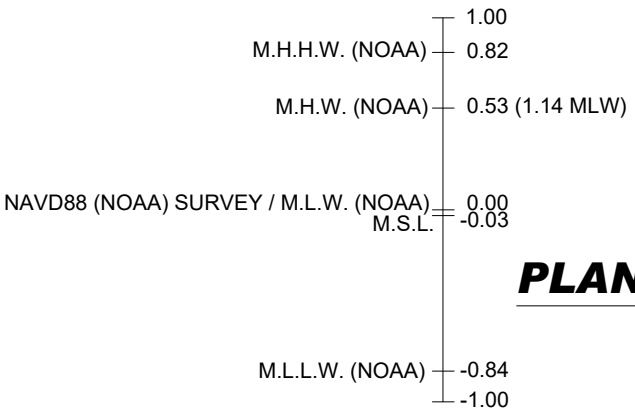
# SPARROWS POINT CONTAINER TERMINAL

BOHLER
901 DULANEY VALLEY ROAD, SUITE 801
TOWSON, MARYLAND 21204
Phone: (410) 821-7900
Fax: (410) 821-7987
MD@BohlerEng.com

TRADEPOINT ATLANTIC
BALTIMORE, MD 21219

50 25 12.5 0
1"= 50'




TOTAL IMPACTS CHANNELWARD OF M.H.W:

800 S.F. OR 0.018 AC.

98 L.F. OF TEMPORARY COFFER DAM

## PLAN VIEW - OUTFALL 3

SCALE: 1" = 20'

H:\2022\MDA220013.03\CAD\DRAWINGS\EXHIBITS\OUTFALL EXHIBIT\P-CIVL-EXHB-MDA220013.03----->LAYOUT: C-301 SITE

05/01/2025 | DMD | MDA220013.03

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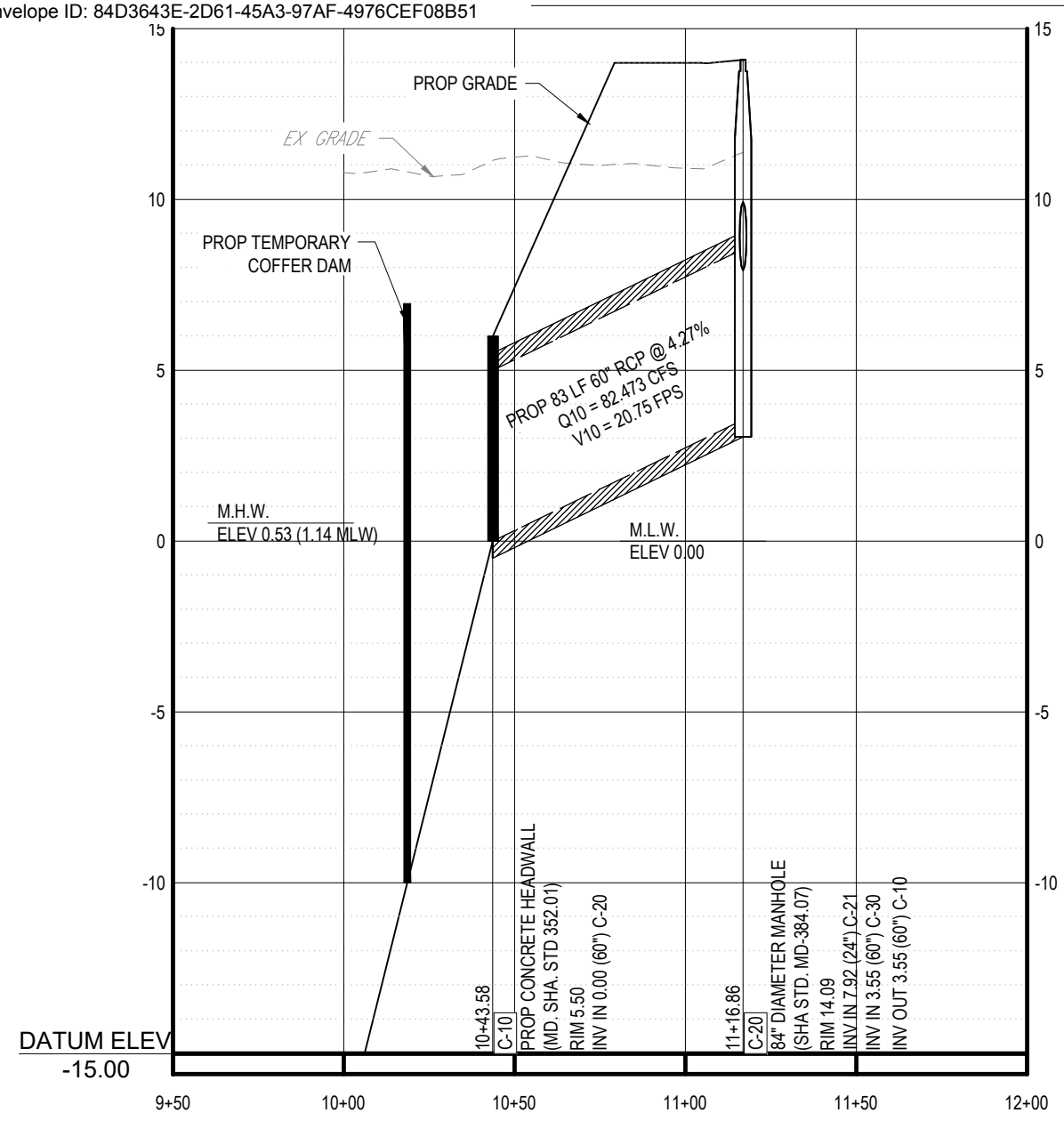
Fax: (410) 821-7987
MD@BohlerEng.com

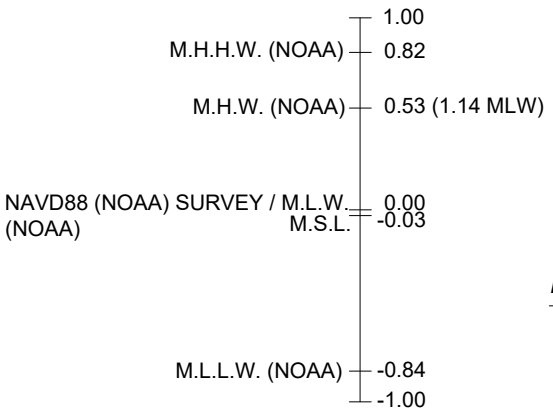
TRADEPOINT ATLANTIC

BALTIMORE, MD 21219

20 10 5 0

1"= 20'




## PROPOSED OUTFALL 3

SCALE: 1" = 20'

H:\2022\MDA220013.03\CAD\DRAWINGS\EXHIBITS\OUTFALL EXHIBIT\P-C\VL-EXHB-MDA220013.03----->LAYOUT: C-301 SITE (2)

05/01/2025 | DMD | MDA220013.03

# SPARROWS POINT CONTAINER TERMINAL

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901 DULANEY VALLEY ROAD, SUITE 801
TOWSON, MARYLAND 21204
Phone: (410) 821-7900
Fax: (410) 821-7987
MD@BohlerEng.com

TRADEPOINT ATLANTIC
BALTIMORE, MD 21219

50 25 12.5 0
1"= 50'

| SWM OUTFALLS IMPACT SUMMARY TABLE | |
|---|---|
| QUANTITY OF TEMPORARY OUTFALLS (EA) | 0 |
| QUANTITY OF PERMANENT OUTFALLS (EA) | 3 |
| EXTENT OF OUTFALLS CHANNELWARD OF MHWL (SF) | 65 L.F. |
| LENGTH X WIDTH OF PIPE AND/OR ASSOCIATED STONE STRUCTURE X # OF OUTFALLS (SF) | OUTFALL #1: 60" DIAMETER OUTFALL, WITH 15'X20' STONE, 20' CHANNELWARD OF MHWL.<br><br>OUTFALL #2: 60" DIAMETER OUTFALL, WITH 15'X20' STONE, 15' CHANNELWARD OF MHWL.<br><br>OUTFALL #3: 60" DIAMETER OUTFALL, 30' CHANNELWARD OF MHWL. |

| | | | |
|---|---|---|---|
| **Outfall 1** | | | |
| Max Length | **28.5** | LF | |
| Max Width | **32.9** | LF | |
| Total Area Channelward of MHWL | **626** | SF | |
| Max. Channelward Encroachment = | **20** | LF | |
| Max. Temporary Impact (Including within the Cofferdam) = | **872** | SF | |
| **Outfall 2** | | | |
| Max Length | **22.5** | LF | |
| Max Width | **33** | LF | |
| Total Area | **280** | SF | |
| Max. Channelward Encroachment = | **23** | LF | |
| Max. Temporary Impact (Including within the Cofferdam) = | **743** | SF | |
| **Outfall 3** | | | |
| Max Length | **27** | LF | |
| Max Width | **32** | LF | |
| Total Area | **800** | SF | |
| Max. Channelward Encroachment = | **98** | LF | |
| Max. Temporary Impact (Including within the Cofferdam) = | **864** | SF | NOTE: Impact is within the impact area already accounted for for the revetment |

H:\2022\MDA220013.03\CAD\DRAWINGS\EXHIBITS\OUTFALL EXHIBIT\P-CIVL-EXHB-MDA220013.03----->LAYOUT: IMPACT SUMMARY



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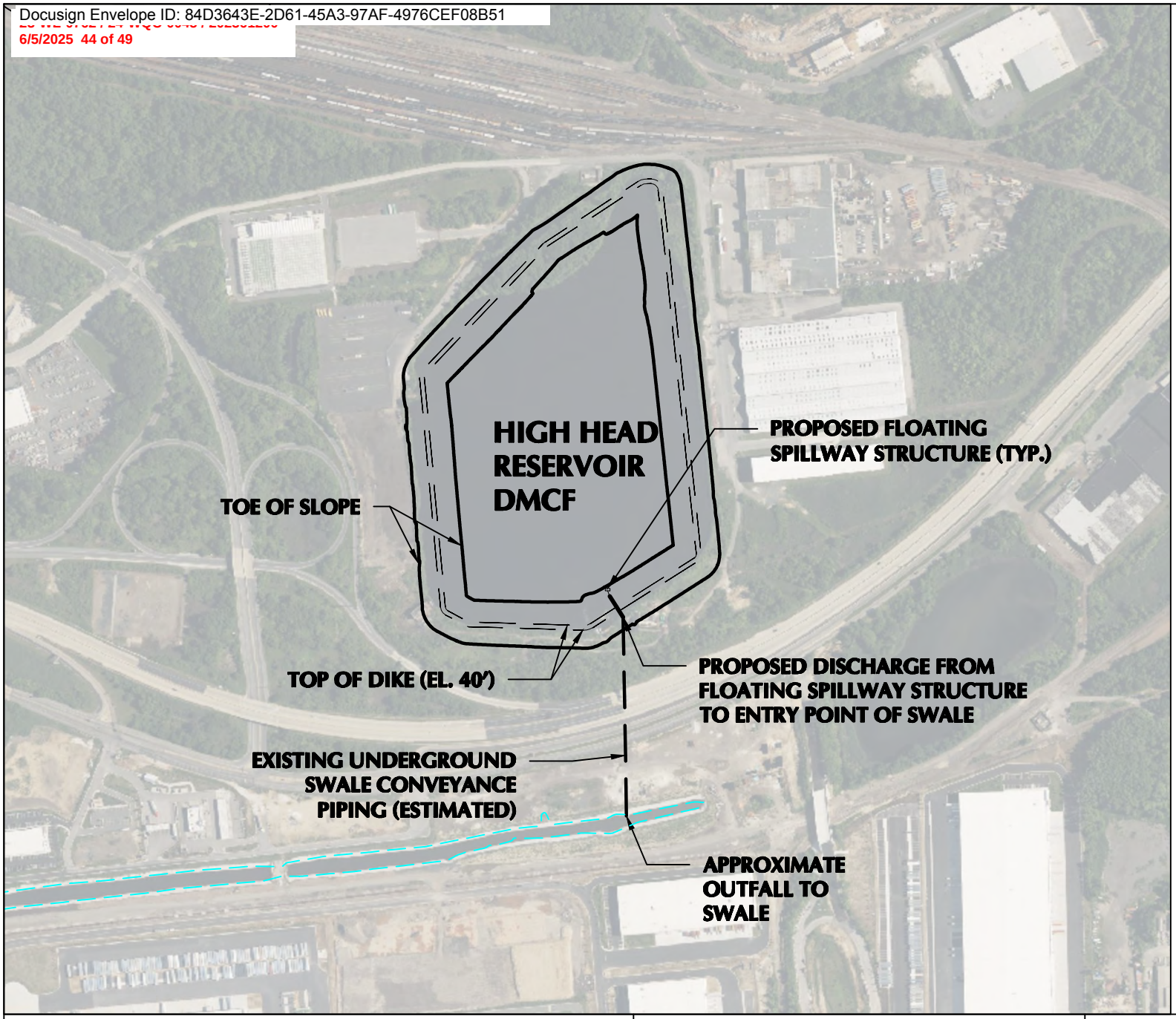
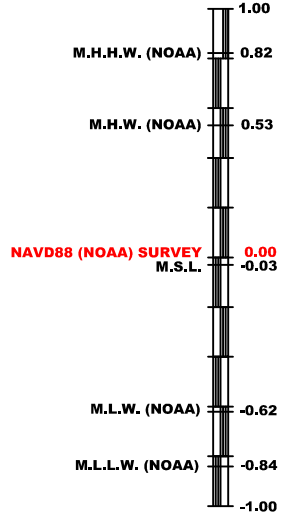
TRADEPOINT ATLANTIC
BALTIMORE, MD 21219

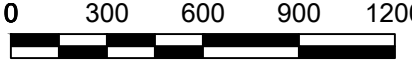
50 25 12.5 0
1"= 50'




NOTES:
1. ELEVATIONS SHOWN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). A CONVERSION SCALE IS SHOWN ON THIS DRAWING TO CONVERT TO OTHER DATUMS.

| Dredged Material Capacity |
|---|
| *High Head Reservoir DMCF* |
| 1,700,000 CY |




HATCH LANGAN

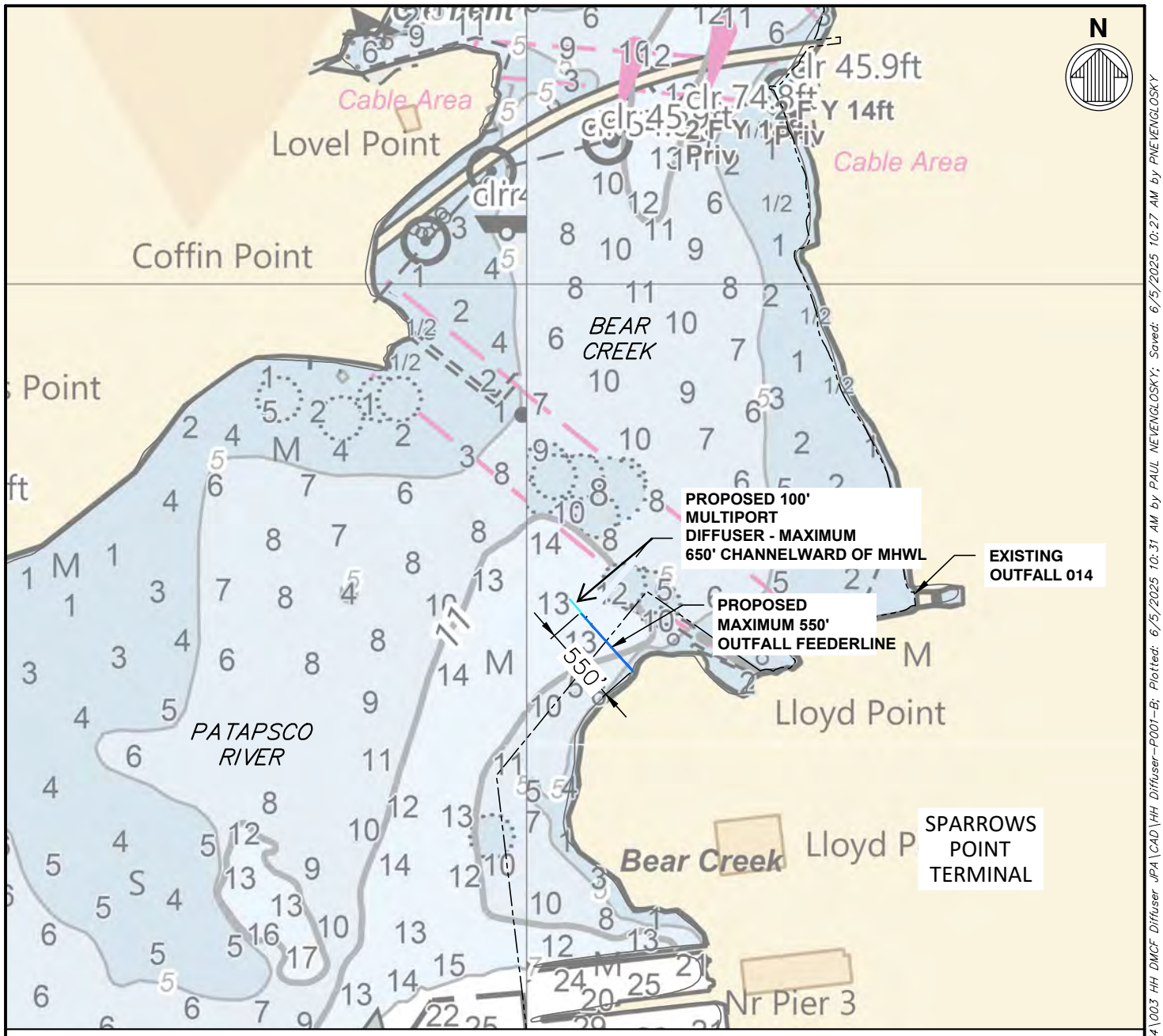


SPARROWS POINT CONTAINER TERMINAL

PLAN - HIGH HEAD RESERVOIR DMCF

| DATE | PROJECT NUMBER | DESIGNED BY | DRAWN BY | CHECKED BY | PROJECT MGR. | SHEET NUMBER | DRAWING |
|---|---|---|---|---|---|---|---|
| 05/02/2025 | | ATR | ATR | | | | DM102 |

SHEET SIZE: A



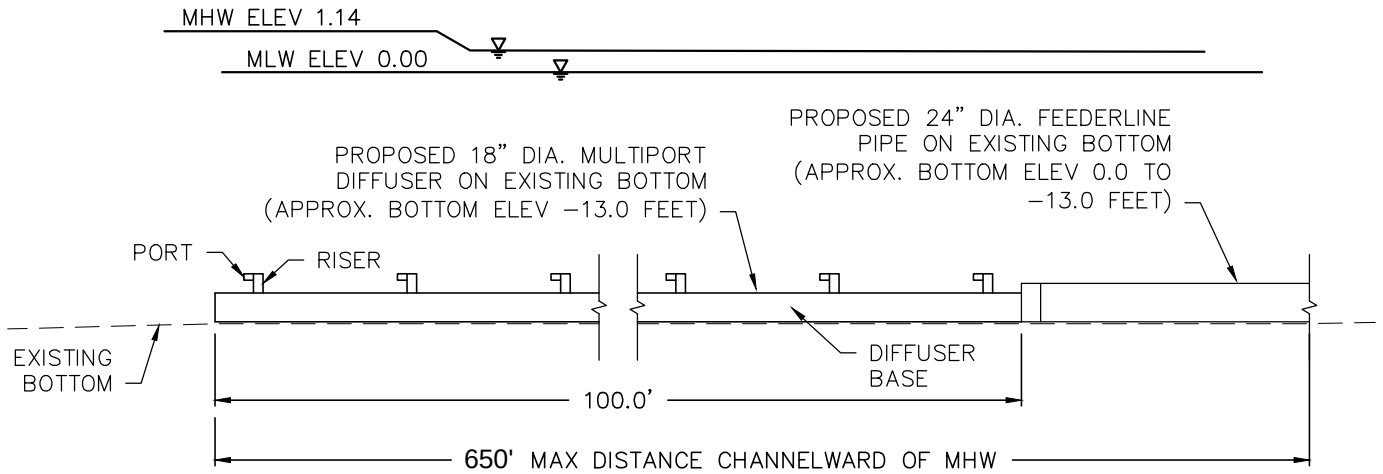

## PLAN – OUTFALL FEEDERLINE AND MULTIPORT DIFFUSER

NOTES

1. TEMPORARY OUTFALL WITH DIFFUSER INSTALLED DURING DREDGED MATERIAL PLACEMENT AND DEWATERING.
2. EXISTING DEPTHS SHOWN IN FEET BASED ON CUSTOM CHART RENDERED FROM NOAA ELECTRONIC NAVIGATIONAL CHART DATA.
3. SEE NEXT SHEET FOR SECTION VIEW.

| | | |
|---|---|---|
| APPLICATION BY:<br>TRADEPOINT ATLANTIC<br>6995 BETHLEHEM BLVD.<br>BALTIMORE, MARYLAND 21219 | HIGH HEAD INDUSTRIAL BASIN DMCF OUTFALL AND DIFFUSER<br><br>PROJECT LOCATION:<br>PATAPSCO RIVER / BEAR CREEK<br>BALTIMORE COUNTY, MARYLAND | 0 1000' 2000'<br>1"=1000'<br><br>DATE: JUN 4, 2025<br>SHEET OF |

File: I:\2017\17-082-012 TPA Dredge Permitting Support PO 3834\003 HH DMCF Diffuser JPA\CAD\HH Diffuser-P001-B; Plotted: 6/5/2025 10:31 AM by PAUL NEVENGLOSKY; Saved: 6/5/2025 10:27 AM by PNEVENGLOSKY




# SECTION – OUTFALL FEEDERLINE AND MULTIPORT DIFFUSER

NOTES

1. FEEDERLINE AND DIFFUSER TO BE SECURED TO BOTTOM USING STRAPS/CLAMPS AND ANCHORS.

| | | |
|---|---|---|
| APPLICATION BY:<br>TRADEPOINT ATLANTIC<br>6995 BETHLEHEM BLVD.<br>BALTIMORE, MARYLAND 21219 | HIGH HEAD INDUSTRIAL BASIN DMCF OUTFALL AND DIFFUSER<br><br>PROJECT LOCATION:<br>PATAPSCO RIVER / BEAR CREEK<br>BALTIMORE COUNTY, MARYLAND | 0 10' 20'<br>1"=10'<br><br>DATE: JUN 4, 2025<br>SHEET OF |


NOTES:

1. THE COX CREEK DREDGED MATERIAL CONTAINMENT FACILITY (DMCF) IS OPERATED BY THE MARYLAND PORTS ADMINISTRATION (MPA) AS PART OF THE DREDGED MATERIAL MANAGEMENT PROGRAM.
2. ANY DREDGED MATERIAL TO BE DISPOSED AT COX CREEK REQUIRES THE ASSOCIATED ANALYTICAL TESTING, SAMPLING, AND APPROVALS IN ACCORDANCE WITH THE MPA REQUIREMENTS.
3. APPROVED PLACEMENT VOLUMES FOR DISPOSAL OF DREDGED MATERIAL AT MPA FACILITIES ARE LISTED IN THE TABLE BELOW. VOLUMES SHOWN ARE THE MAXIMUM COMBINED VOLUME FOR DISPOSAL AT THE COX CREEK AND MASONVILLE DMCFS.
4. ONCE THE DREDGED MATERIAL SCOW IS SECURED AT COX CREEK, THE MPA WILL BE RESPONSIBLE FOR PUMPING, REMOVING, AND PLACING THE DREDGED SEDIMENTS INTO THE COX CREEK DMCF. MPA WILL ALSO BE RESPONSIBLE FOR MAINTAINING THE COX CREEK DMCF, AND THE DREDGED MATERIALS PLACED AT THE DMCF.

| MPA Placement (Cox Creek and/or Masonville DMCF) | |
|---|---|
| FY 2026 | 350,000 CY |
| FY 2027 | 200,000 CY |
| FY 2028 | 400,000 CY |
| FY 2029 | 300,000 CY |
| **TOTAL** | **1,250,000 CY** |

0 500 1000 1500 2000

1"=1000'-0" SCALE IN FEET

HATCH

SPARROWS POINT CONTAINER TERMINAL



SPARROWS POINT CONTAINER TERMINAL

PLAN - MPA COX CREEK DMCF

| DATE | PROJECT NUMBER | DESIGNED BY | DRAWN BY | CHECKED BY | PROJECT MGR. | SHEET NUMBER | DRAWING |
|---|---|---|---|---|---|---|---|
| 01/07/2025 | | ATR | ATR | | | | DM103 |

SHEET SIZE: A


NOTES:

1. THE MASONVILLE DREDGED MATERIAL CONTAINMENT FACILITY (DMCF) IS OPERATED BY THE MARYLAND PORTS ADMINISTRATION (MPA) AS PART OF THE DREDGED MATERIAL MANAGEMENT PROGRAM.
2. ANY DREDGED MATERIAL TO BE DISPOSED AT MASONVILLE REQUIRES THE ASSOCIATED ANALYTICAL TESTING, SAMPLING, AND APPROVALS IN ACCORDANCE WITH THE MPA REQUIREMENTS.
3. APPROVED PLACEMENT VOLUMES FOR DISPOSAL OF DREDGED MATERIAL AT MPA FACILITIES ARE LISTED IN THE TABLE BELOW. VOLUMES SHOWN ARE THE MAXIMUM COMBINED VOLUME FOR DISPOSAL AT THE COX CREEK AND MASONVILLE DMCFS.
4. ONCE THE DREDGED MATERIAL SCOW IS SECURED AT MASONVILLE, THE MPA WILL BE RESPONSIBLE FOR PUMPING, REMOVING, AND PLACING THE DREDGED SEDIMENTS INTO THE COX CREEK DMCF. MPA WILL ALSO BE RESPONSIBLE FOR MAINTAINING THE COX CREEK DMCF, AND THE DREDGED MATERIALS PLACED AT THE DMCF.

| MPA Placement (Cox Creek and/or Masonville DMCF) | |
|---|---|
| FY 2026 | 350,000 CY |
| FY 2027 | 200,000 CY |
| FY 2028 | 400,000 CY |
| FY 2029 | 300,000 CY |
| **TOTAL** | **1,250,000 CY** |

0 400 800 1200 1600

1"=800'-0" SCALE IN FEET

HATCH

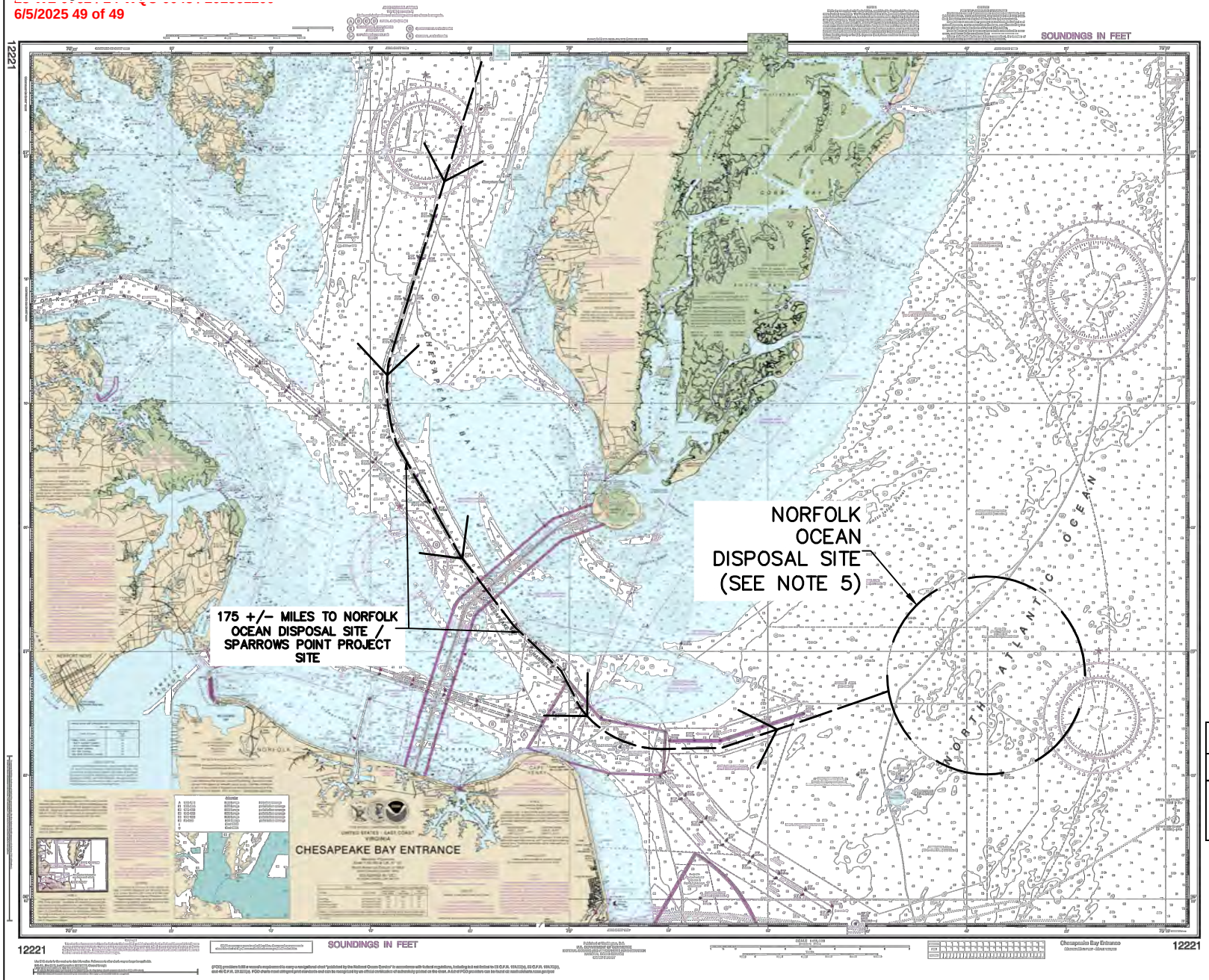


SPARROWS POINT CONTAINER TERMINAL

PLAN - MPA
MASONVILLE DMCF

| DATE | PROJECT NUMBER | DESIGNED BY | DRAWN BY | CHECKED BY | PROJECT MGR. | SHEET NUMBER | DRAWING |
|---|---|---|---|---|---|---|---|
| 01/07/2025 | | ATR | ATR | | | | DM104 |

SHEET SIZE: A




NOTES:

1. THE NORFOLK OCEAN DISPOSAL SITE (NODS) IS MANAGED BY UNITED STATES ARMY CORPS OF ENGINEERS (USACE).
2. DREDGED MATERIAL DISPOSAL AT NODS IS SUBJECT TO THE PERMIT REGULATIONS SPECIFIED BY THE USACE. SEDIMENT SAMPLING AND ANALYTICAL TESTING OF THE DREDGED SEDIMENTS FOR OFFSHORE DISPOSAL AT NODS IS REQUIRED IN ACCORDANCE WITH THE PERMIT REQUIREMENTS, AND ALL MATERIAL BEING TRANSPORTED TO NODS MUST BE APPROVED AND MANAGED IN ACCORDANCE WITH THE PERMIT REQUIREMENTS.
3. TRANSPORT OF DREDGED MATERIAL FROM THE PROJECT SITE TO NODS MAY REQUIRE REMOTE MONITORING OR MANNED SPOTTERS, AS DEFINED BY THE USACE PERMIT.
4. ANY LOSS OF DREDGED MATERIAL DURING TRANSPORT FROM THE PROJECT SITE TO NODS SHALL BE REPORTED TO THE USACE AND OTHER PARTIES AS SPECIFIED IN THE USACE PERMIT.
5. NODS EXTENTS SHOWN ARE APPROXIMATE AND BASED ON NOAA NAUTICAL CHART 12221. DREDGED MATERIAL PLACEMENT SHALL BE LOCATED IN ACCORDANCE WITH THE USACE PERMIT.

| Dredged Material Capacity |
|---|
| *Norfolk Ocean Disposal Site (NODS)* |
| **1,570,00 CY** |

HATCH LANGAN



SPARROWS POINT CONTAINER TERMINAL

# PLAN - NORFOLK OCEAN DISPOSAL SITE (NODS)

| DATE | PROJECT NUMBER | DESIGNED BY | DRAWN BY | CHECKED BY | PROJECT MGR. | SHEET NUMBER | DRAWING |
|---|---|---|---|---|---|---|---|
| 05/21/2025 | | ATR | ATR | | | | DM105 |

SHEET SIZE: A