July 10, 2025

Tradepoint TiL Terminals (TTT) LLC
Attn: Kerry Doyle, VP
6995 Bethlehem Blvd. Suite 100
Baltimore, Maryland 21219
kdoyle@tradepointatlantic.com

Re: Agency Interest Number: 141713
Tracking Number: 202361200
Tidal Authorization Number: 23-WL-0762 / 24-WQC-0045

Dear Mr. Doyle:

Your project did not qualify for approval under the Maryland State Programmatic General Permit (MDSPGP); therefore a separate review and issuance of the federal permit will be required by the U.S. Army Corps of Engineers. The federal permit is not attached.

Additionally, your project required a Wetlands License to be approved and issued by the Maryland Board of Public Works (BPW). The Wetlands License will be sent to you by BPW's Wetlands Administrator.

A project that does not qualify for approval under the MDSPGP requires an individual Water Quality Certification (WQC) to be issued by the Maryland Department of the Environment, which is attached. Please take a moment to read and review your WQC to ensure that you understand the limits of the authorized work and all of the general and special conditions.

You should not begin any work until you have obtained all necessary State, local, and federal authorizations. Please contact Matthew Wallach at matthew.wallach@maryland.gov or 410-207-0893 with any questions.

Sincerely,

Jonathan Stewart, Chief
Tidal Wetlands Division

STATE OF MARYLAND
DEPARTMENT OF THE ENVIRONMENT
WATER AND SCIENCE ADMINISTRATION
WATER QUALITY CERTIFICATION

24-WQC-0045

EFFECTIVE DATE: **July 10, 2025**
CERTIFICATION HOLDERS: **Tradepoint TiL Terminals (TTT) LLC**
ADDRESS: **6995 Bethlehem Blvd. Suite 100**
Baltimore, Maryland 21219
Attn. Kerry Doyle
PROJECT LOCATION: **6995 Bethlehem Blvd**
Sparrows Point, Baltimore County
8-digit Watershed (02130903)

UNDER AUTHORITY OF SECTION 401 OF THE FEDERAL WATER POLLUTION CONTROL ACT AND ITS AMENDMENTS AND IN ACCORDANCE WITH §9-313 THROUGH §9-323, INCLUSIVE, OF THE ENVIRONMENT ARTICLE, ANNOTATED CODE OF MARYLAND, THE WATER AND SCIENCE ADMINISTRATION ("ADMINISTRATION") HAS DETERMINED THAT THE REGULATED ACTIVITY DESCRIBED IN THE REQUEST FOR CERTIFICATION FOR THE PROPOSED CONTAINER TERMINAL AND DREDGING ASSOCIATED WITH US ARMY CORPS AUTHORIZATION 2023-61200, WILL NOT VIOLATE MARYLAND'S WATER QUALITY STANDARDS, IF CONDUCTED IN ACCORDANCE WITH THE CONDITIONS OF THIS CERTIFICATION AND WITH ALL TERMS AND CONDITIONS OF THIS CERTIFICATION.

THIS CERTIFICATION DOES NOT RELIEVE THE APPLICANT OF RESPONSIBILITY FOR OBTAINING ANY OTHER APPROVALS, LICENSES, OR PERMITS IN ACCORDANCE WITH FEDERAL, STATE, OR LOCAL REQUIREMENTS AND DOES NOT AUTHORIZE COMMENCEMENT OF THE PROPOSED PROJECT. A COPY OF THIS REQUIRED CERTIFICATION HAS BEEN SENT TO THE CORPS OF ENGINEERS. THE CERTIFICATION HOLDER SHALL COMPLY WITH THE CONDITIONS LISTED BELOW.

PROJECT DESCRIPTION

Construct a container terminal in the Port of Baltimore. The Sparrows Point Container Terminal (SPCT) will consist of a +/-3,000-foot marginal wharf extending a maximum of 128.5 feet channelward of the proposed mean high water line; with up to nine ship-to-shore cranes, a container yard, gate complex, intermodal/rail yard, and various support structures. The project includes deepening and widening the existing Sparrows Point Channel and turning basin by mechanically dredging approximately 4.2 million cubic yards (MCY) of dredged material to a maximum dredging depth of -52.22 feet at mean low water, excavation within the uplands, placement of stone or concrete revetment along the shoreline and beneath the wharf, and the construction of new stormwater outfalls. The dredge material will be placed at multiple authorized placement options with a total capacity of 4.87 MCY, including the construction of the High Head Industrial Basin Dredged Material Containment Facility (DMCF), which includes a temporary discharge to Bear Creek.

The Administration satisfied statutory and regulatory public notice requirements by placing this WQC on Public Notice from January 10, 2025, to March 21, 2025 on the Maryland Department of the Environment's Public Notice webpage, in the Maryland Register on December 27, 2024, the Baltimore Sun on January 15, 2025, the Dundalk Eagle on January 16, 2026, and the Capital Gazette on January 15, 2025.

GENERAL CONDITIONS

1. All water quality-related performance standards and conditions required by the Department in any state issued authorization for activities in tidal wetlands, nontidal wetlands, their 100-year floodplains, nontidal wetlands buffers, or nontidal wetland expanded buffers to ensure that any discharges will not result in a failure to comply with water quality standards in COMAR 26.08.02 or any other water quality requirements of state law or regulation shall be met.

2. This Certification does not obviate the need to obtain required authorizations or approvals from other State, federal or local agencies as required by law.

3. All additional authorizations or approvals, including self-certifying General Permits issued by the Department, shall be obtained and all conditions shall be completed in compliance with such authorizations.

4. The proposed project shall be constructed in accordance with the approved final plan by the Department, or, if Department approval is not required, the plan approved by the U.S. Army Corps of Engineers, and its approved revisions.

5. All fill and construction materials not used in the project shall be removed and disposed of in a manner which will prevent their entry into waters of this State.

6. This Certification does not authorize any injury to private property, any invasion of rights, or any infringement of federal, state, or local laws or regulations.

7. The Certification Holder shall allow authorized representatives of the Department access to the site of authorized activities during normal business hours to conduct inspections and evaluations of the operations and records necessary to assure compliance with this Certification.

8. No stockpiles of any material shall be placed in Waters of the U.S. or state or private tidal wetlands.

9. Temporary construction trailers or structures, staging areas and stockpiles shall not be located within tidal wetlands, nontidal wetlands, nontidal wetlands buffers, or the 100-year floodplain unless specifically included on the Approved Plan.

10. This Certification is valid for the project identified herein and the associated U.S. Army Corps of Engineers authorization 2023-61200 until such time that it expires or is not administratively extended.

SPECIAL CONDITIONS

1. All Critical Area requirements shall be followed and all necessary authorizations from the Critical Area Commission ("Commission") shall be obtained. This Certification does not constitute authorization for disturbance in the 100-foot Critical Area Buffer. "Disturbance" in the Buffer means clearing, grading, construction activities, or removal of any size of tree vegetation. Any anticipated Buffer disturbance requires prior written approval, before commencement of land disturbing activity, from local jurisdiction in the form of a Buffer Management Plan.

2. If the authorized work is not performed by the property owner or is not otherwise exempt from the licensing requirement, 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 and COMAR 26.30. The licensed marine contractor shall be authorized for the appropriate license category to perform or solicit to perform the activities within this authorization, if applicable. A list of licensed marine contractors and their license category may be obtained by contacting the MCLB at 410-537- 3249, by e-mail at MDE.MCLB@maryland.gov, or by accessing the Maryland Department of the Environment, Environmental Boards webpage at: https://mde.maryland.gov/programs/water/WetlandsandWaterways/Pages/LicensedMarineContractors.aspx.

3. The issuance of this Certification is not a validation or authorization by the Department for any of the existing structures depicted on the plan sheets on the subject property that is not part of the authorized work description, nor does it relieve the Certification Holder of the obligation to resolve any existing noncompliant structures and activities within tidal wetlands.

4. The Certification Holder shall perform no dredging between April 1 and October 1 of any year due to the presence of anadromous fish.

5. 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 in this Certification. The Certification Holder 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.

6. The Certification Holder shall conduct subsequent maintenance dredging within the scope of tidal wetlands license 23-WL-0762 in terms of authorized dredge area and authorized depths. The Certification Holder shall:
    a. Dredge no more than 500 cubic yards of material at each maintenance dredging.
    b. Comply with all applicable conditions of this Certification.
    c. 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.
    d. 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.

7. The Certification Holder 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.

8. The Certification Holder shall conduct a post-dredge bathymetric survey and forward it to the Water and Science Administration, Tidal Wetlands Division, within 45 days after the termination of any phase of dredging.

9. The Certification Holder shall dispose of dredged material only at the dredge disposal site(s) approved in Wetland License 23-WL-0762. The Certification Holder shall submit an application for modification of the License to MDE for approval of any dredge disposal site not authorized within the License.

10. 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 in this Certification. The Certification Holder 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.

11. The Certification Holder shall not allow debris to enter the waterway. The Certification Holder 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 (non-wetland) disposal site and in a manner that does not adversely impact surface or subsurface waterflow into or out of tidal wetlands.

12. The Certification Holder shall submit approved Sediment and erosion control plans and stormwater management plans 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.

13. If the project requires any on-site facility that requires a General Discharge Permit application, the Certification Holder 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 Certification Holder shall send confirmation to the Tidal Wetlands Division.

14. The Certification Holder shall apply to the Land Management Administration, Land Restoration Program (LRP) for review and approval of the High Head Industrial Basin DMCF. The Certification Holder shall send the approved LRP Plan to the Tidal Wetlands Division prior to the commencement of construction.

15. The Certification Holder 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 Certification Holder shall send the approved LRP Plan to the Tidal Wetlands Division prior to the commencement of construction.

16. Turbidity Monitoring Plan: No work authorized in this Certification 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 in this Certification. The Certification Holder 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.

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

18. The Certification Holder 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.

19. The Certification Holder shall hold a pre-construction meeting 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.

20. 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.

21. 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.

22. 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.

23. 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 Certification Holder shall submit a Mitigation Plan to the Tidal Wetlands Division within 90 days following approval of Wetlands License 23-WL-0762. 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 Certification Holder 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.

24. The Certification Holder shall remove the DMCF discharge structure, which includes the 24-inch diameter pipe extension and diffuser prior to the expiration of Wetlands License 23-WL-0762. If dewatering activity exceeds the expiration date of the State License, the Certification Holder 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.

STATEMENTS OF NECESSITY & CITATIONS

1. Statement of Necessity for General Conditions 1-4, and Special Conditions 1-7, 9-18, 20-24: These conditions are necessary to ensure that water quality standards are met, and designated uses are maintained.

   Citations: Federal and state laws which authorize this condition include but are not limited to: 33 U.S.C. § 1341(a), (b), & (d); 33 U.S.C. § 1251(b); 33 U.S.C. § 1370; Md. Ann. Code, Env. Article, Title 1, Subtitles 3 and 4; Md. Ann. Code, Env. Article, Title 5, Subtitles 5 and 9; Md. Ann. Code, Env. Article, Title 9, Subtitle 3; Md. Ann. Code, Env. Article, Title 16; COMAR 26.08; COMAR 26.08.02.10G(3); COMAR 26.23.02.06; COMAR 26.17.01; COMAR 26.23; COMAR 26.24

2. Statement of Necessity for General Conditions 5, 8, 9, and Special Conditions 11, 12, 17: Fill or construction material within or adjacent to regulated resources and the loss of fill material may cause discharges resulting in turbidity in excess of water quality standards and interfere with designated uses of growth and propagation of fish, other aquatic life, wildlife; and other designated uses; and fail to meet general water quality criteria that waters not be polluted by substances in amounts sufficient to be unsightly or create a nuisance.

   Citation: 26.08.02.03B(1)-B(2); COMAR 26.23; COMAR 26.24; COMAR 26.17.04

3. Statement of Necessity for General Condition 6: This condition is necessary to clarify the scope of this certification to ensure compliance with water quality regulations, without limiting restrictions through other requirements.

   Citation: Federal and state laws which authorize this condition include but are not limited to: 33 U.S.C. § 1341(a), (b), & (d); 33 U.S.C. § 1251(b); 33 U.S.C. § 1370; Md. Ann. Code, Env. Article, Title 1, Subtitles 3 and 4; Md. Ann. Code, Env. Article, Title 5, Subtitles 5 and 9; Md. Ann. Code, Env. Article, Title 9, Subtitle 3; Md. Ann. Code, Env. Article, Title 16; COMAR 26.08, COMAR 26.08.02.10E; COMAR 26.23.02.06; COMAR 26.17.04; COMAR 26.23; COMAR 26.24

4. Statement of Necessity for General Condition 7, and Special Conditions 10, 12, 15, 16, 19, 24: Conditions of certification involve precise actions to comply with water quality standards. Site inspection may be necessary to ensure that limits, methods, and other requirements are met to ensure that water quality standards are met and designated uses are maintained. These conditions are necessary to ensure that the activity was conducted, and project completed according to the terms of the authorization/certification, while allowing for review of in-field modifications which may have resulted in discharges to ensure that water quality standards were met. Designated uses include support of estuarine and marine aquatic life and shellfish harvesting and for growth and propagation of fish, other aquatic life, and wildlife.

   Citation: Federal and state laws that authorize this condition include but are not limited to: 33 U.S.C. § 1341(a), (b), & (d); 33 U.S.C. § 1251(b); 33 U.S.C. § 1370; Md. Ann. Code, Env. Article, Title 1, Subtitles 3 and 4; Md. Ann. Code, Env. Article, Title 5, Subtitles 5 and 9; Md. Ann. Code, Env. Article, Title 9, Subtitle 3; Md. Ann. Code, Env. Article, Title 16; COMAR 26.08; COMAR 26.08.02.03B(1)(b); COMAR 26.08.02.03B(2); COMAR 26.23.02.06; COMAR 26.23; COMAR 26.24; COMAR 26.17.04

5. Statement of Necessity for General Condition 10: This condition is necessary to qualify the period of applicability of the terms and conditions of this Certification to be protective of Maryland water quality standards.

   Citations: Federal and state laws which authorize this condition include but are not limited to: 33 U.S.C. § 1341(a), (b), & (d); 33 U.S.C. § 1251(b); 33 U.S.C. § 1370; 40 C.F.R. 121, 15 C.F.R. 930, Md. Ann. Code, Env. Article, Title 1, Subtitles 3 and 4; Md. Ann. Code, Env. Article, Title 5, Subtitles 5 and 9; Md. Ann. Code, Env. Article, Title 9, Subtitle 3; Md. Ann. Code, Env. Article, Title 16; COMAR 26.08; COMAR 26.17.04; COMAR 26.23; COMAR 26.24

6. Statement of Necessity for Special Conditions 2, 20 and 21: Expertise for conducting certain activities is required to ensure that there is no violation of water quality standards or interference with designated uses. This condition is necessary to ensure that discharges will be conducted in a manner that does not violate water quality criteria nor interfere with designated uses.

   Citations: COMAR 26.08.02.02B(2)-B(4); COMAR 26.08 02.03B(2)(d)-(e); COMAR 26.08.02.03B(1)(b); 26.08.02.03B(2); COMAR 23.02.04.04

7. Statement of Necessity for Special Condition 4: A time-of-year restriction is necessary to protect aquatic species. Access to the upper reaches of rivers and tributaries to habitat suitable for spawning is essential to support migrating fish populations. Disturbance during the closure period would interfere directly or indirectly with designated uses.

   Citations: COMAR 26.08.02.02.B(3); COMAR 26.08.02.03-3.C(2)d.(5); 33 U.S.C. § 1341(a), (b), &(d); 33 U.S.C. § 1251(b); 33 U.S.C. § 1370; Md. Ann. Code, Env. Article, Title 1, Subtitles 3 and 4; Md. Ann. Code, Env. Article, Title 9, Subtitle 3; Md. Ann. Code, Env. Article, Title 16; COMAR26.08; COMAR26.24

8. Statement of Necessity for Special Conditions 5-7, and 9: These conditions are necessary to ensure that dredged material is removed in a manner that prevents its re-entry into the waters of the United States or waters of the State, where its release may result in failure to meet turbidity standards and failure to meet designated uses. Discharge of dredged material may interfere with designated uses or support of estuarine and marine aquatic life and shellfish harvesting and may result in impacts to water quality, clarity, growth, and propagation of fish, other aquatic life, and wildlife.

   Citations: 33 U.S.C. § 1341(a), (b), & (d); 33 U.S.C. § 1251(b); 33 U.S.C. § 1370; Md. Ann. Code, Env. Article, Title 1, Subtitles 3 and 4; Md. Ann. Code, Md. Ann. Code, Env. Article, Title 9, Subtitle 3; Md. Ann. Code, Env. Article, Title 16; COMAR 26.08; COMAR 26.08.02.10G(3); COMAR26.24; COMAR26.08.02.01B(2); COMAR 26.08.02.02B(1) COMAR 26.08.02.02B(3); COMAR26.08.02.03B

9. Statement of Necessity for Special Conditions 5-8: The conditions are necessary to ensure that water depths and limits on the scope of dredging are appropriate post-dredging, to support designated uses of fishing and water contact recreation and growth and propagation of fish, other aquatic life, and wildlife; and ensure that no discharges are unsightly, create a nuisance, change to an objectionable color or interfere with designated uses or would violate water quality standards for water clarity and turbidity.

   Citations: COMAR 26.08.02.01B(2); COMAR 26.08.02.02B(1) COMAR 26.08.02.02B(3); COMAR26.08.02.03B

10. Statement of Necessity for Special Condition 5, 9, 10, 12, 15, 16: Requirements for additional plans that include BMPs and monitoring are necessary to protect migratory and resident fish, mammals, and other aquatic life; and to ensure that limits, methods, and other requirements are met to ensure that water quality standards are met and designated uses are maintained.

    Citation: COMAR 23.02.04.11A-D; COMAR 23.02.04.12B; COMAR 23.02.04.12E COMAR 26.24.05.01B; COMAR 26.08.02.02.B.(3); COMAR 26.08.02.03-3.C.(2)d.(5); 33 U.S.C. § 1341(a), (b), & (d); 33 U.S.C. § 1251(b); 33 U.S.C. § 1370; Md. Ann. Code, Env. Article, Title 1, Subtitles 3 and 4; Md. Ann. Code, Env. Article, Title 9, Subtitle 3; Md. Ann. Code, Env. Article, Title 16; COMAR 26.08; COMAR 26.24.

11. Statement of Necessity for Special Conditions 10, 12, 16: Requirements for avoidance, minimization, and additional plans that include best management practices and monitoring are necessary to protect migratory and resident fish, mammals, and other aquatic life; and to ensure that limits, methods, and other requirements are met to ensure that water quality standards are met and designated uses are maintained.

    Citations: COMAR 23.02.04.11A-D; COMAR 23.02.04.12B; COMAR 23.02.04.12E; COMAR 26.24.05.01B; COMAR 26.08.02.02.B(3); COMAR 26.08.02.03-3.C(2)d.(5); 33 U.S.C. § 1341(a), (b), & (d); 33 U.S.C. § 1251(b); 33 U.S.C. § 1370; Md. Ann. Code, Env. Article, Title 1, Subtitles 3 and 4; Md. Ann. Code, Env. Article, Title 9, Subtitle 3; Md. Ann. Code, Env. Article, Title 16; COMAR26.08; COMAR26.24

12. Statement of Necessity for Special Conditions 10, 14, 16, 21: Unauthorized discharges may enter regulated waters as a result of activity or structural failure. A plan to address and monitor for unauthorized discharges will prevent or address further violations of water quality standards or failure of water to meet designated uses, including uses of growth and propagation of fish, other aquatic life, wildlife, as well as general water quality criteria that waters would not be polluted by substances in amounts sufficient to be unsightly or create a nuisance.

    Citations: Md. Ann. Code, Env. Article § 9-303.1, § 9-313- 9-316, § 9-319- 9-325, § 9-327 and § 9-328; COMAR 26.08.02.01; COMAR 26.08.02.02; COMAR 26.08.02.03

13. Statement of Necessity for Special Conditions 13 and 15: These conditions are necessary to ensure that water quality standards are met under circumstances for discharges relating to upland industrial activities so that designated uses of waters are maintained. Discharge of materials associated with industrial activities may enter waters of the United States or waters of the State and interfere with designated uses, including surface and groundwater flows necessary for the support of drinking waters and the growth and propagation of fish, other aquatic life, and wildlife.

    Citations: 33 U.S.C. § 1341(a), (b), & (d); 33 U.S.C. § 1251(b); 33 U.S.C. § 1370; Md. Ann. Code, Env. Article, Title 1, Subtitles 3 & 4; Md. Ann. Code, Env. Article, Title 9, Subtitle 3; Md. Ann. Code, Env. Article, Title 9, Subtitle 3; Md. Ann. Code, Env. Article, Title 5, Subtitles 5 and 9; Md. Ann. Code, Env. Article, Title 9, Subtitle 3; Md. Ann. Code, Env. Article, Title 16; COMAR26.08; COMAR26.08.02.10G(3); COMAR 26.17.04; COMAR 26.23; COMAR 26.24; COMAR26.23.02.06, COMAR 26.08, COMAR 26.08.02.10E; COMAR 26.08.02.09C(3); COMAR26.08.02.03B(1)(b); COMAR 26.08.02.03B(2); COMAR 26.08.02.03-3; COMAR 26.08.02.02B(2); COMAR 26.08.02.02B(4); COMAR 26.08.02.02B(6); COMAR 26.08.02.02B(8)

14. Statement of Necessity for Special Condition 18: Proper placement and alignment of the discharge material will maintain habitat and maintain designated uses for support of estuarine and marine aquatic life and support of designated uses for growth and propagation of fish, other aquatic life, and wildlife.

    Citations: Md. Ann. Code, Env. Article, Title 1, Subtitles 3 and 4; Md. Ann. Code, Env. Article, Title 9, Subtitle 3; Md. Ann. Code, Env. Article, Title 16; COMAR 26.24; COMAR 26.08; COMAR 26.08.02.02B(1)(d); COMAR 26.08.02.02B(3); COMAR 26.08.02.03B(1)(b); COMAR 26.08.02.02B(2); COMAR 26.08.02.10E.(2); COMAR 26.24

15. Statement of Necessity for Special Condition 22: The condition is necessary to ensure that the discharge will not result in additional eroded sediment entering waters of the United States in amounts that interfere with designated uses and/or violate water quality standards for turbidity and clarity or general water quality criteria. Discharges from the facility may contribute additional concentrated pollutants, heated waters, and erosion to downstream waters without proper design of the facility. Effects of the discharge may result in waters failing to meet designated uses.

    Citations: COMAR 26.08.02.02B(1); COMAR 26.08.02.02B(3); COMAR 26.08.02.03B; COMAR 26.08.02.03-3A; COMAR 26.08.02.03-3C.

16. Statement of Necessity for Special Conditions 23: Mitigation is required to ensure that waters continue to meet designated uses, as losses of wetlands or waterways result in water quality degradation. Wetlands provide essential habitat, water quality, food, and movement corridors for wildlife. Losses may result in discharges that interfere with designated uses, including the growth and propagation of fish, other aquatic life, and wildlife through loss of stream channel habitat and wetlands.

    Citations: 33 U.S.C. § 1341(a), (b), & (d); 33 U.S.C. § 1251(b); 33 U.S.C. § 1370; Md. Ann. Code, Env. Article, Title 1, Subtitles 3 and 4; Md. Ann. Code, Env. Article, Title 9, Subtitle 3; Md. Ann. Code, Env. Article, Title 5, Subtitles 5 and 9; Md. Ann. Code, Env. Article, Title 9, Subtitle 3; Md. Ann. Code, Env. Article, Title 16; COMAR 26.08; COMAR 26.08.02.01; COMAR 26.08.02.02; COMAR 26.08.02.07; COMAR 26.08.02.10; COMAR 26.17.04; COMAR 26.23; COMAR26.23.02.06; COMAR 26.24.

17. Statement of Necessity for Special Condition 24: This condition is necessary to ensure that the placement does not interfere with navigational safety and designated uses for water contact recreation and fishing, nor create a nuisance.

    Citations: COMAR 26.08.02.01B(1) and B(2); COMAR 26.08.02.03B(1)(a); COMAR 26.08.02.03B(2)(d)

CERTIFICATION APPROVED

Jul 10, 2025

D. Lee Currey, Director
Water and Science Administration

Date

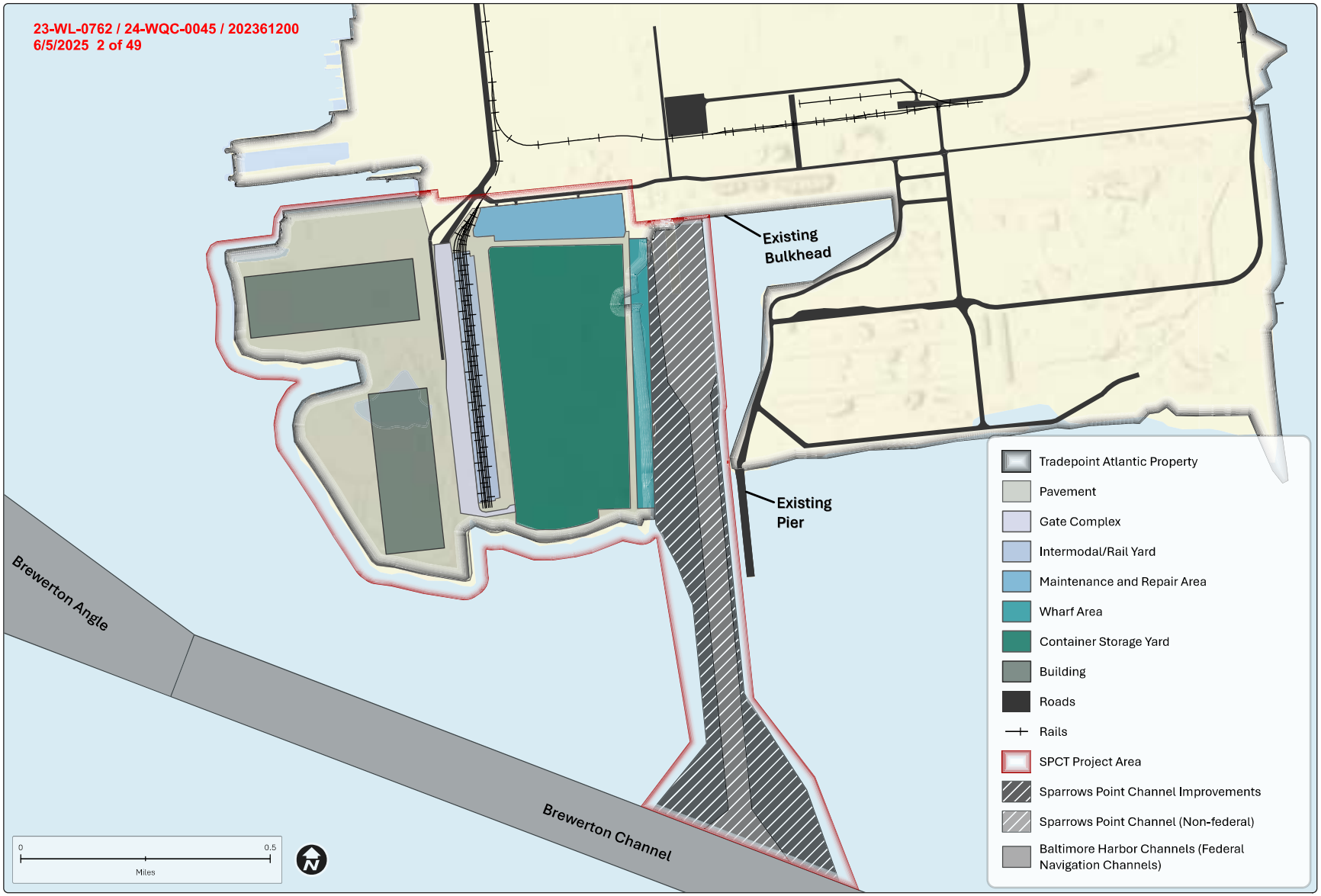
Tracking Number: 202331200
Agency Interest Number: 141713

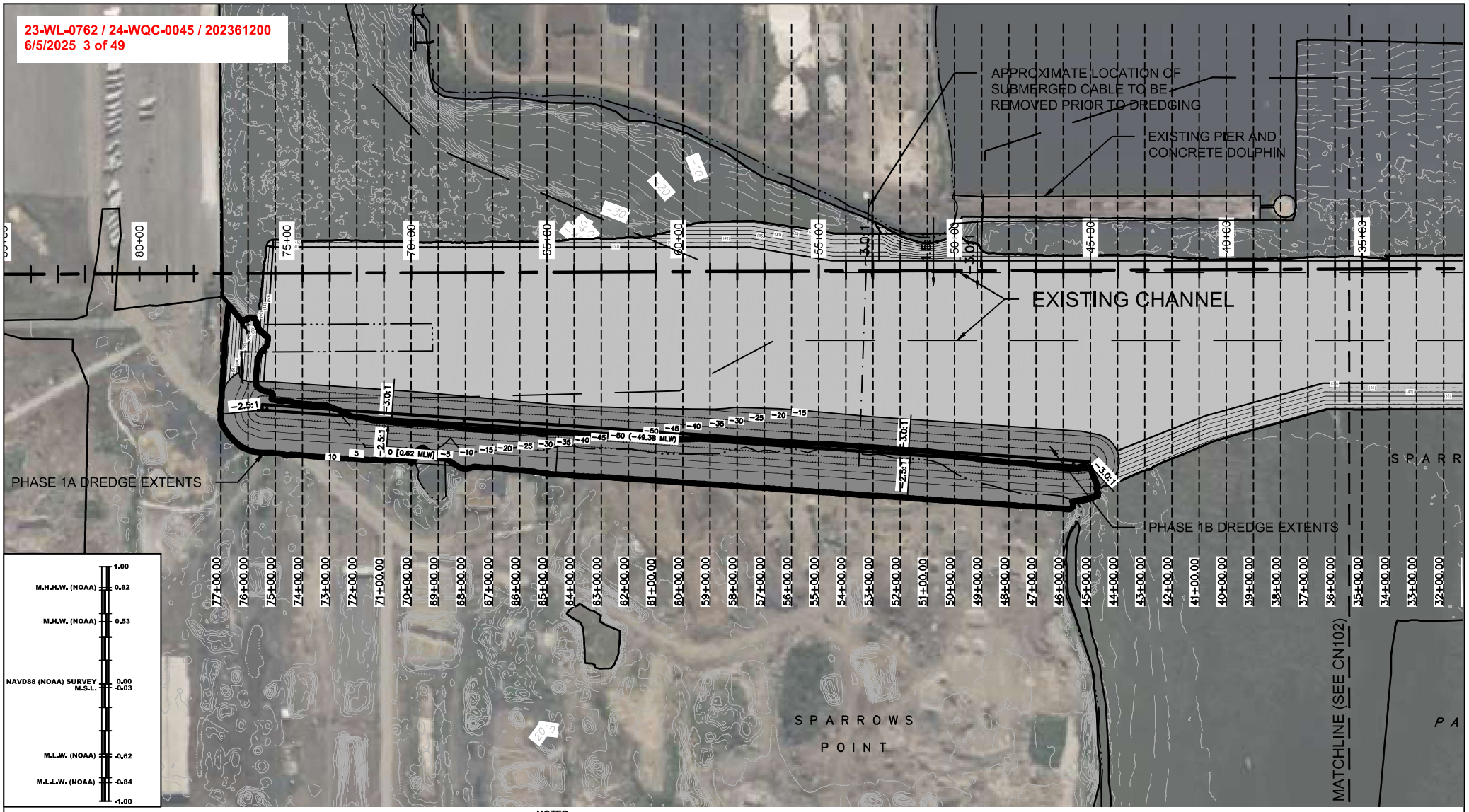
Effective Date: July 10, 2025

Enclosure: Plan Sheets dated June 5, 2025

cc: WSA Inspection & Compliance Program
Army Corps of Engineers


Tradepoint Atlantic Property
Sparrows Point Channel
Baltimore Harbor Channels
157
695
158
Sparrows Point Country Club
Rocky Point Golf Course
Peach Orchard Park
Back River
Bear Creek
Tradepoint Atlantic Property
North Point State Park
Old Road Bay
Coke Point
Fort McHenry Channel
Brewerton Angle
Baltimore City
Baltimore County
Patapsco River
Brewerton Channel
Project Location


23-WL-0762 / 24-WQC-0045 / 202361200
6/5/2025 2 of 49
Existing Bulkhead
Existing Pier
Brewerton Angle
Brewerton Channel
0
0.5
Miles
Tradepoint Atlantic Property
Pavement
Gate Complex
Intermodal/Rail Yard
Maintenance and Repair Area
Wharf Area
Container Storage Yard
Building
Roads
Rails
SPCT Project Area
Sparrows Point Channel Improvements
Sparrows Point Channel (Non-federal)
Baltimore Harbor Channels (Federal Navigation Channels)



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

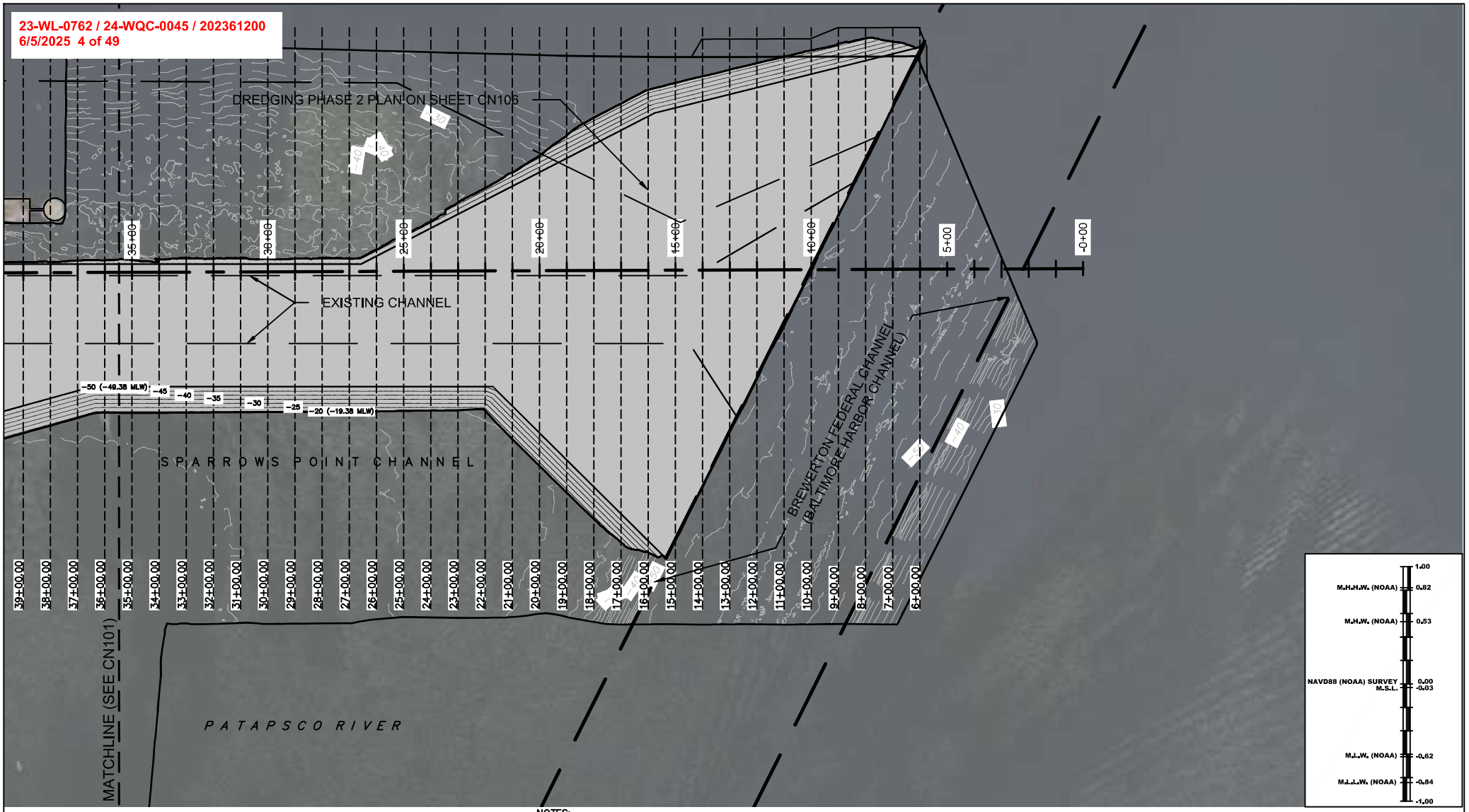
HATCH LANGAN TRADEPOINT

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

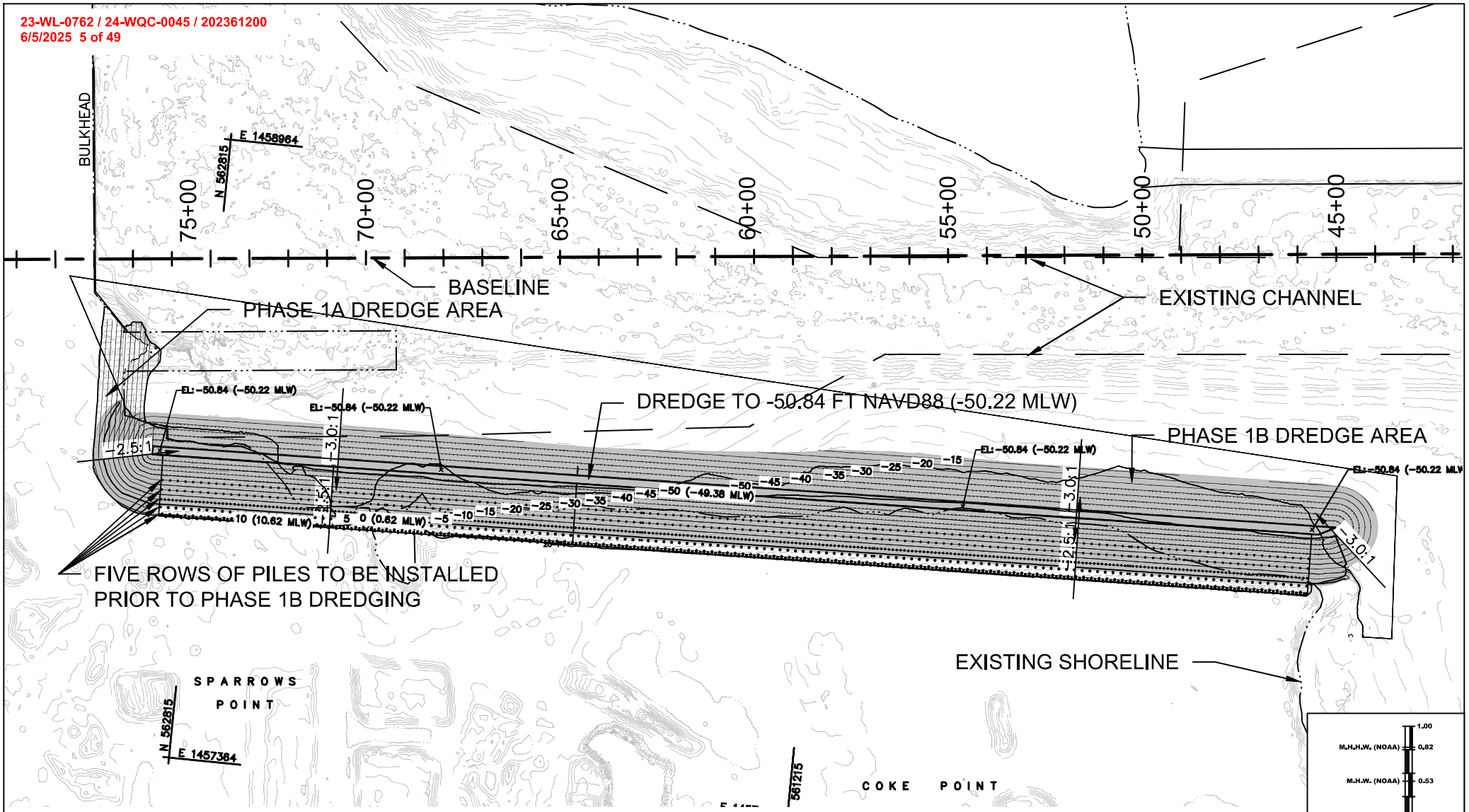
HATCH LANGAN TRADEPOINT ATLANTIC

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

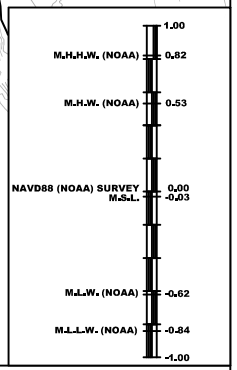


LEGEND:

- 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



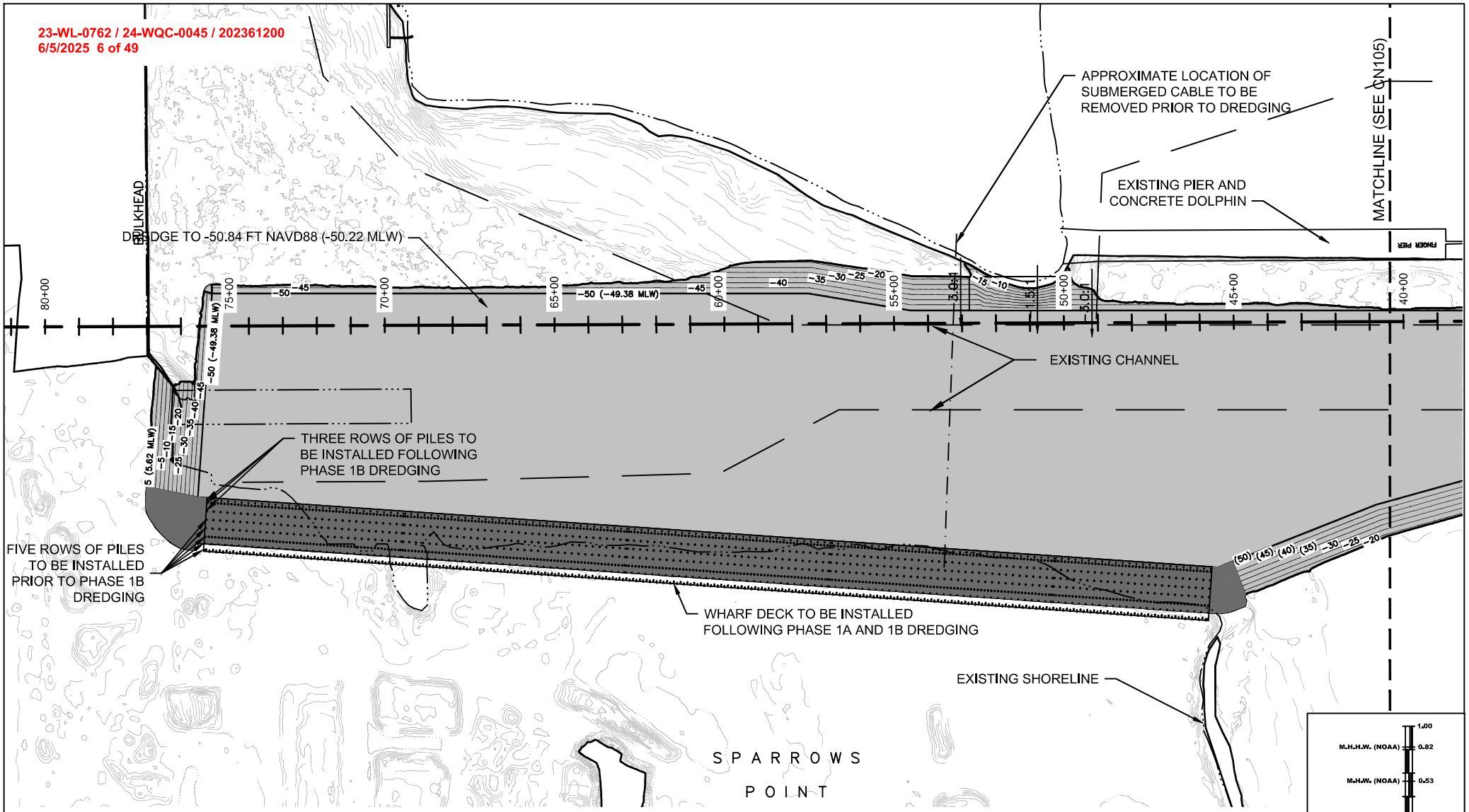
HATCH LANGAN

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



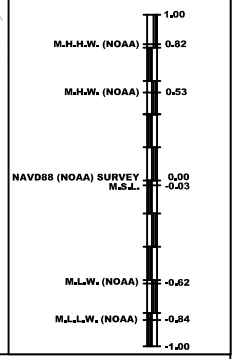
LEGEND:

- 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



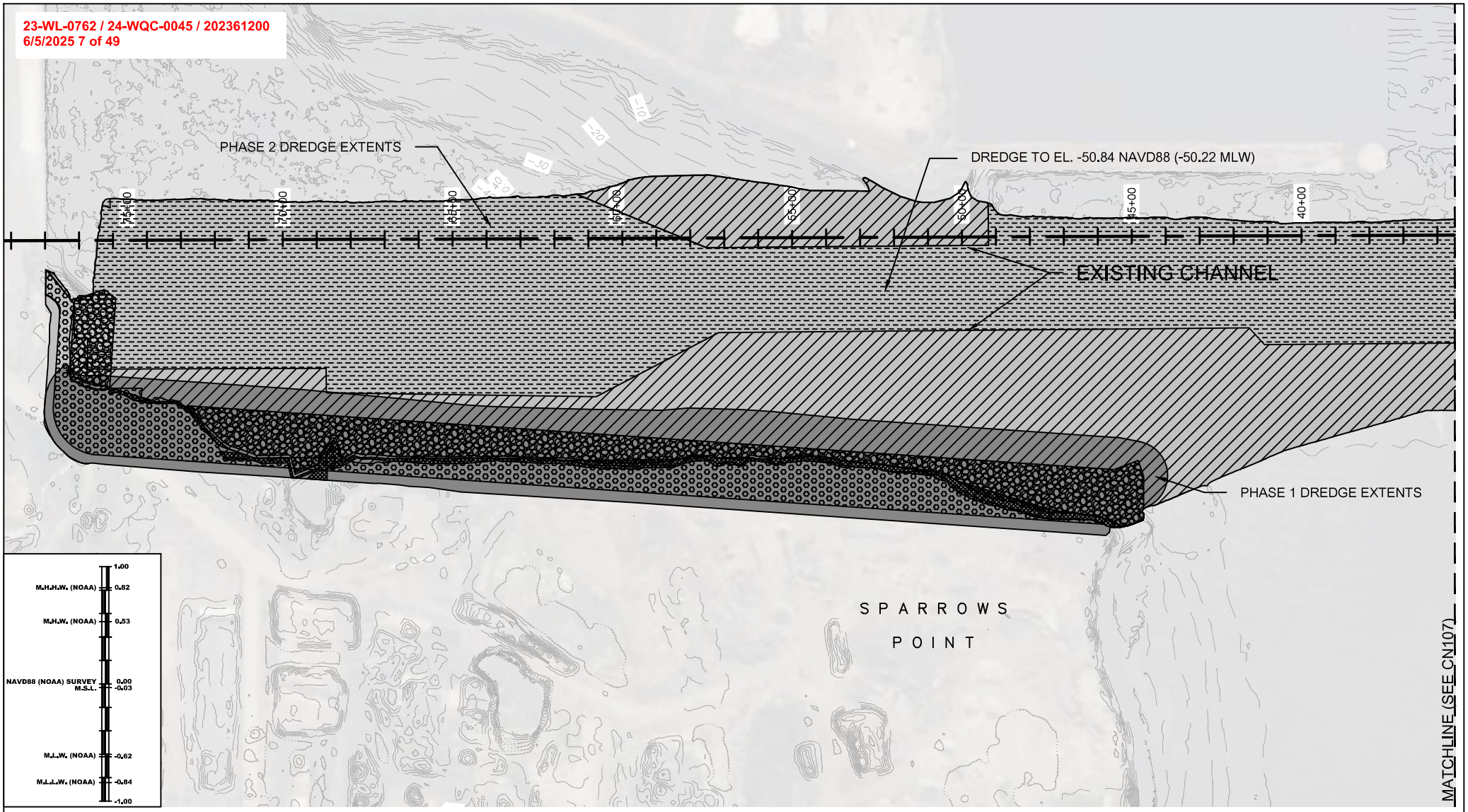
HATCH LANGAN

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.

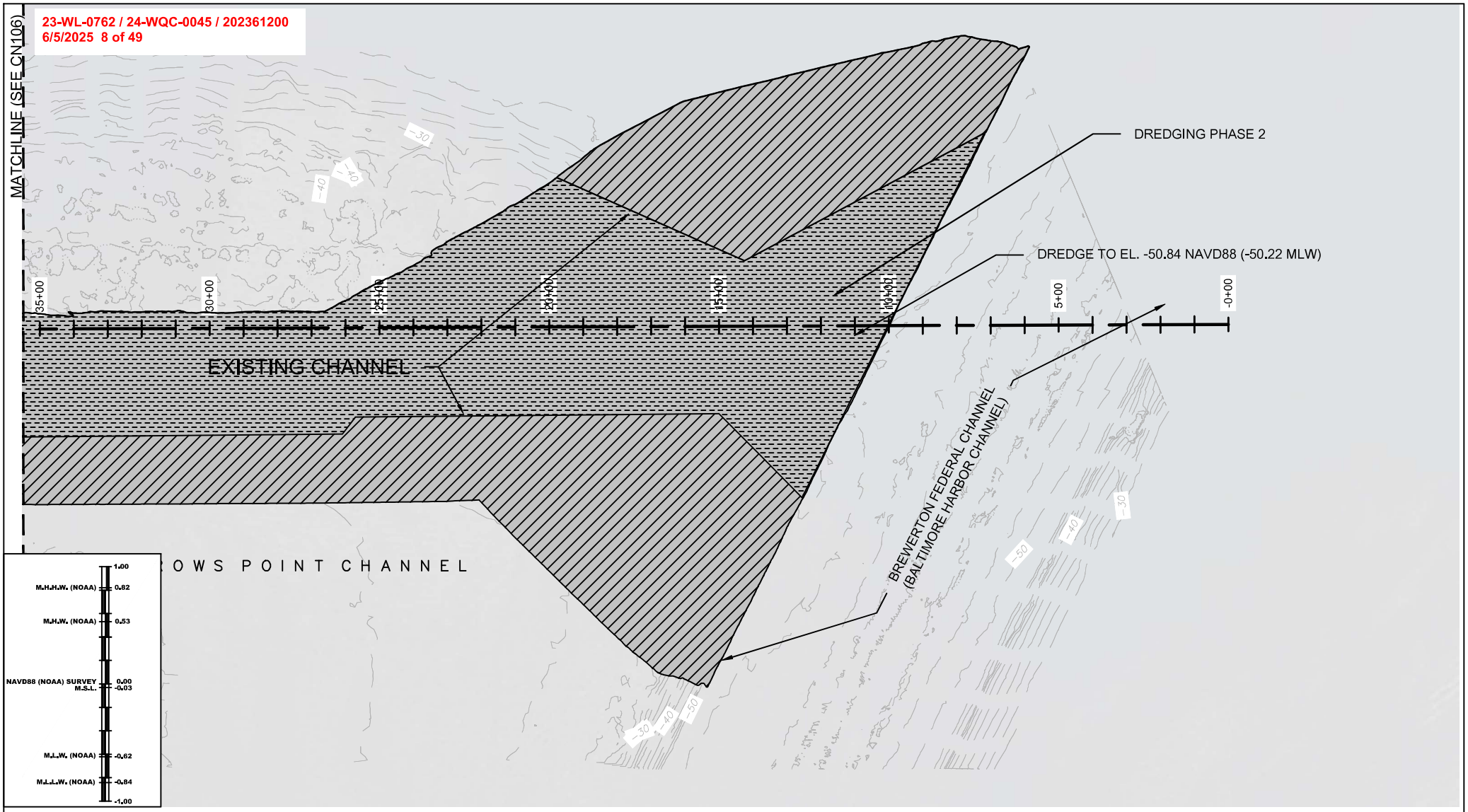
HATCH LANGAN TRADEPOINT

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.

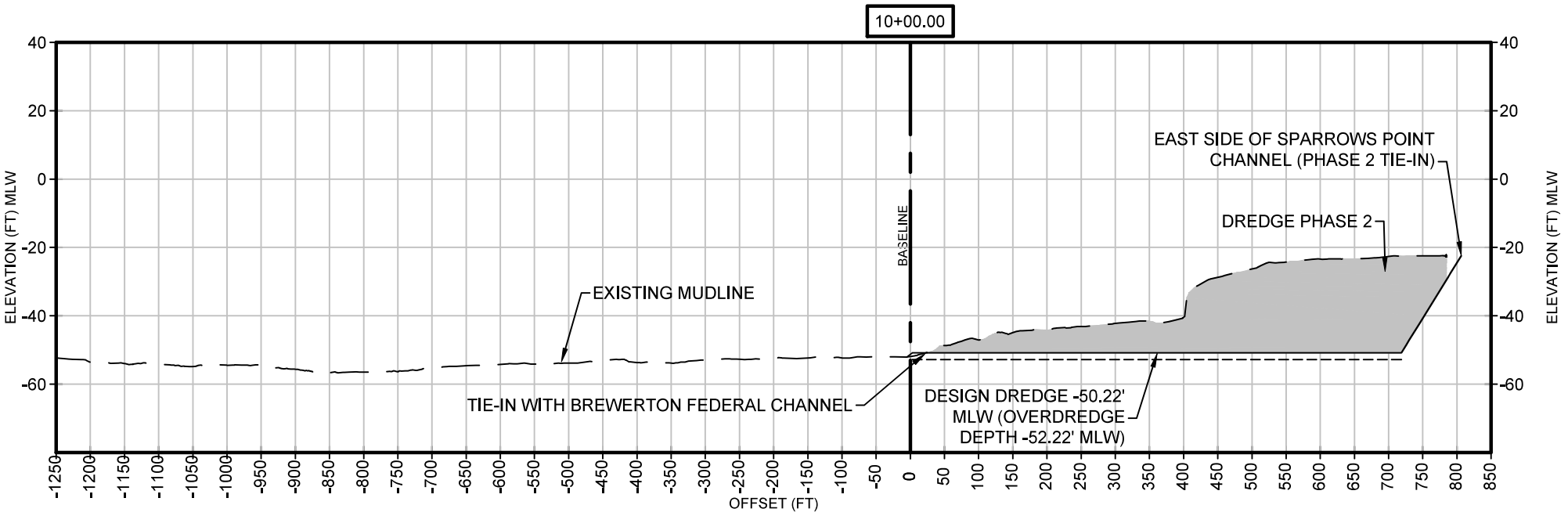
HATCH LANGAN TRADEPOINT ATLANTIC

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:

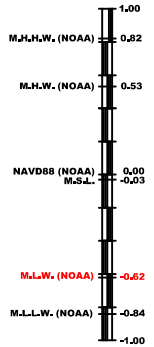
- PHASE 1A DREDGING AREA
- PHASE 1B DREDGING AREA
- PHASE 2 DREDGING AREA
- APPROX. BOTTOM OF SLAG
- DESIGN DEPTH
- EXISTING MUDLINE
- OVERDREDGE
- BOTTOM OF REVETMENT

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.



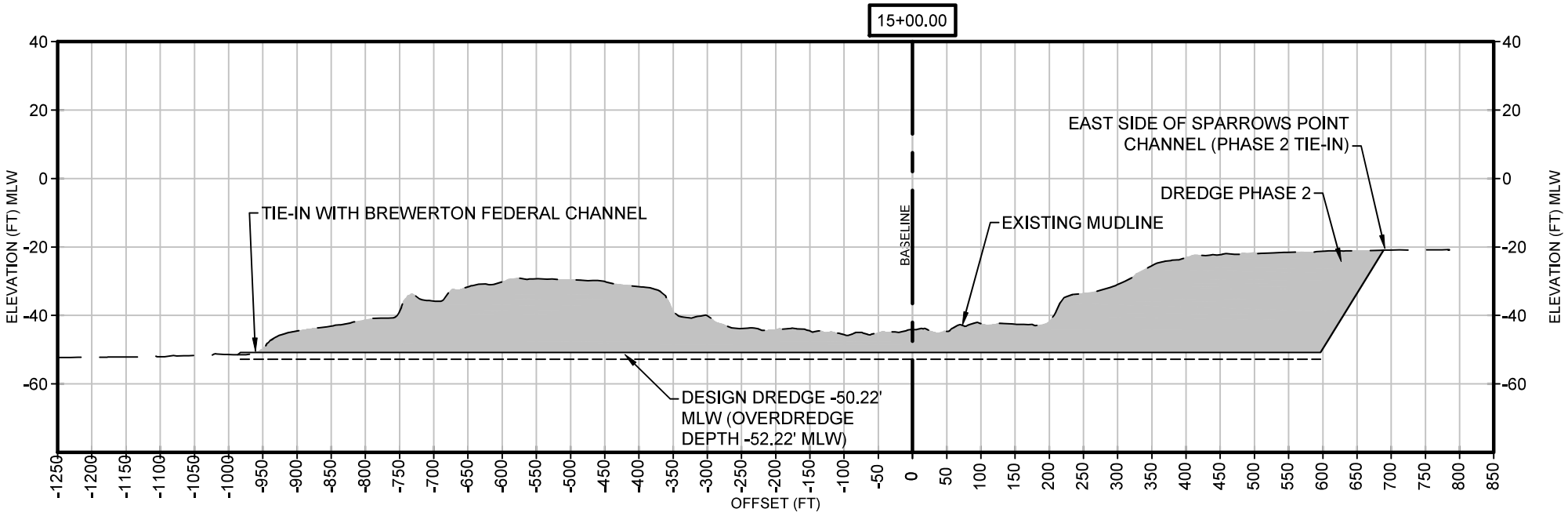
HATCH LANGAN TRADEPOINT

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:

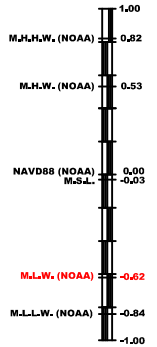
- PHASE 1A DREDGING AREA
- PHASE 1B DREDGING AREA
- PHASE 2 DREDGING AREA
- APPROX. BOTTOM OF SLAG
- DESIGN DEPTH
- EXISTING MUDLINE
- OVERDREDGE
- BOTTOM OF REVETMENT

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.



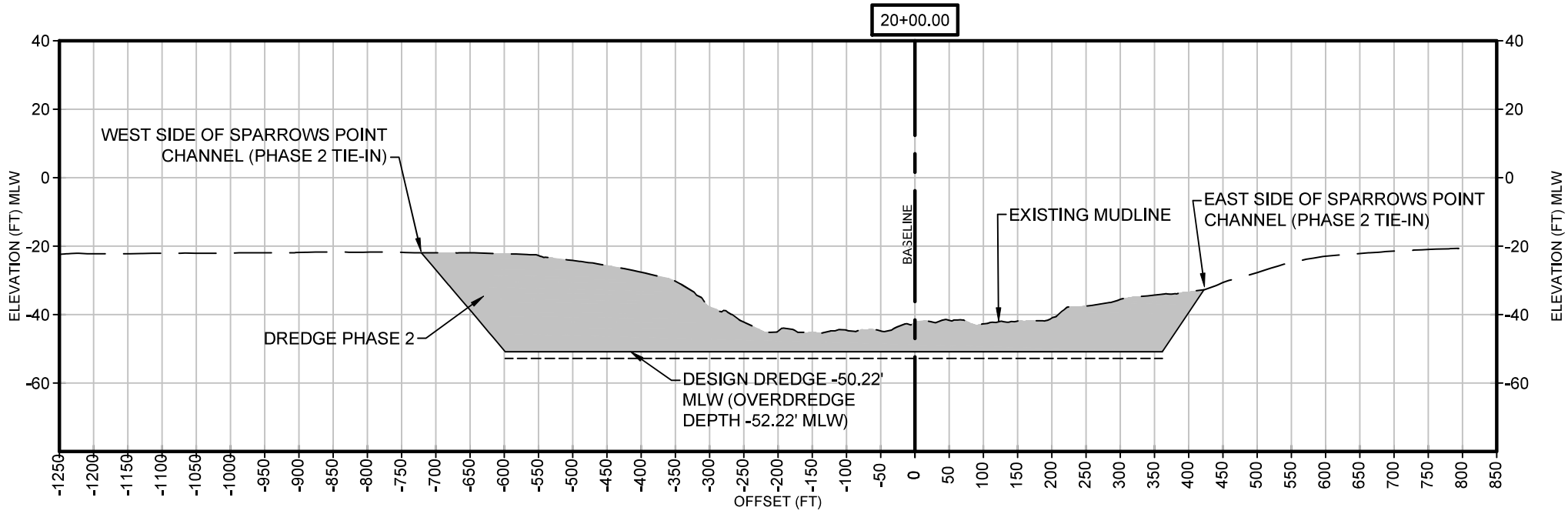
HATCH LANGAN TRADEPOINT

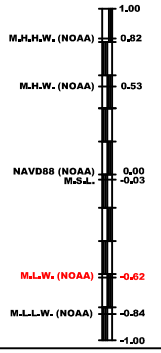
SPARROWS POINT CONTAINER TERMINAL

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.

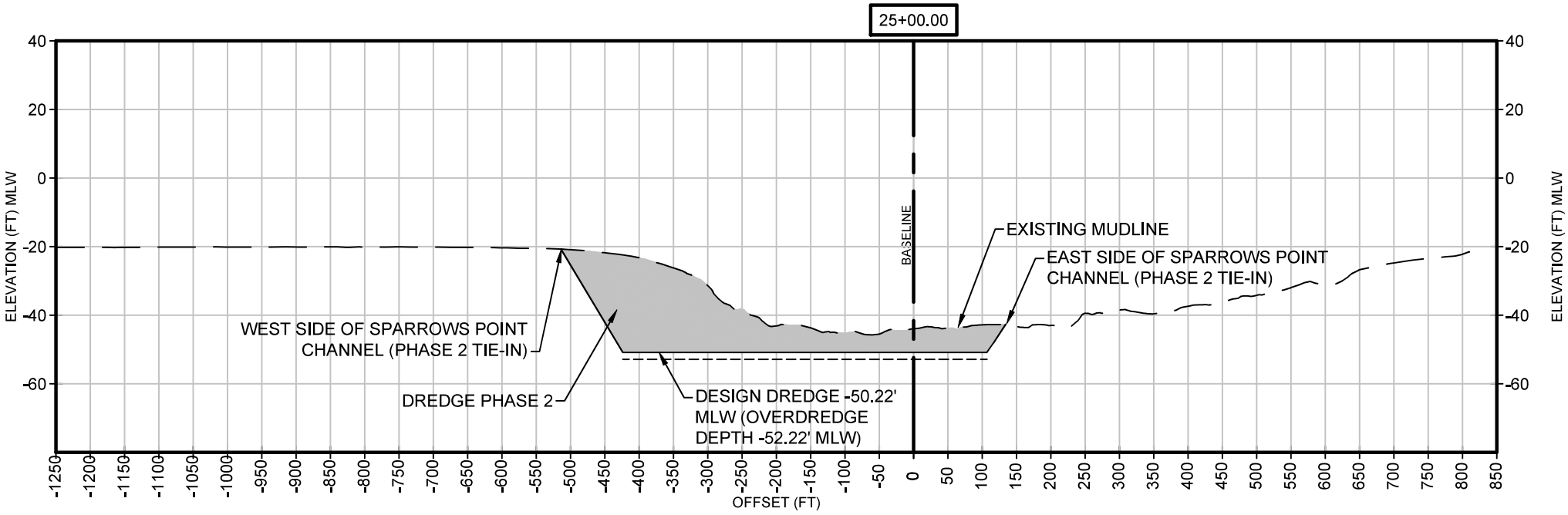
HATCH LANGAN TRADEPOINT

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:

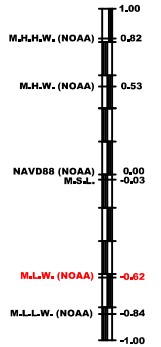
- PHASE 1A DREDGING AREA
- PHASE 1B DREDGING AREA
- PHASE 2 DREDGING AREA
- APPROX. BOTTOM OF SLAG
- DESIGN DEPTH
- EXISTING MUDLINE
- OVERDREDGE
- BOTTOM OF REVETMENT

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.



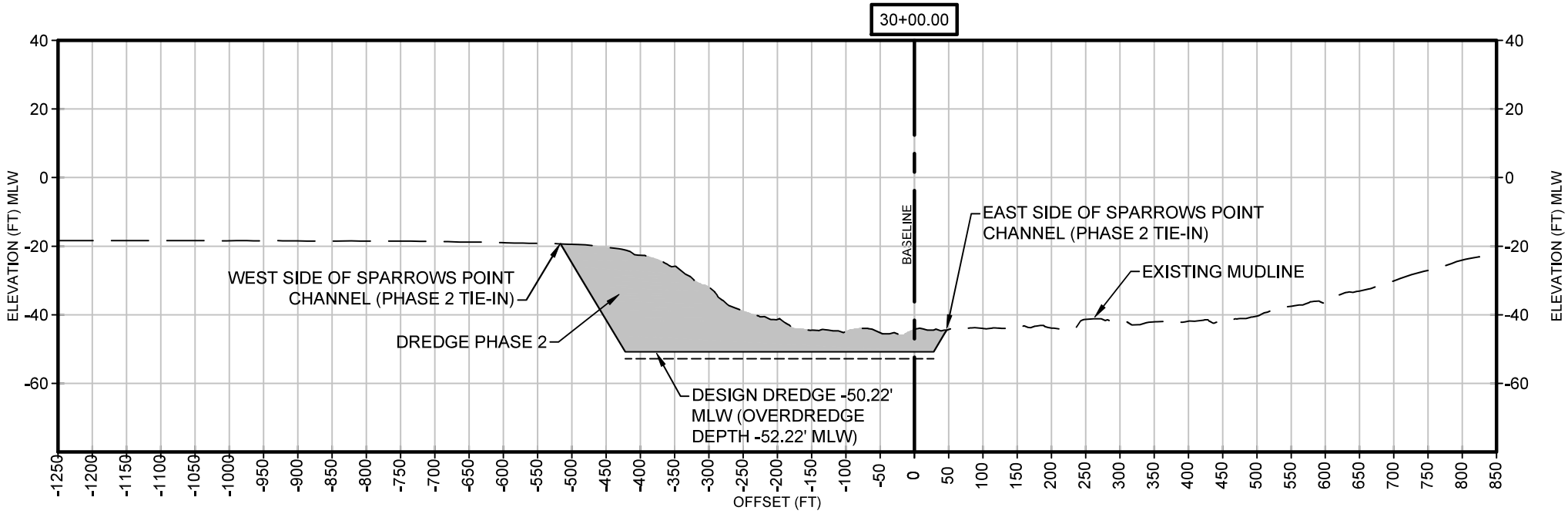
HATCH LANGAN TRADEPOINT

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



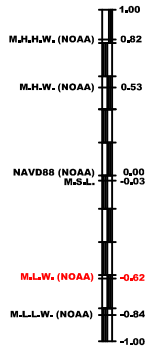
LEGEND:

- 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.

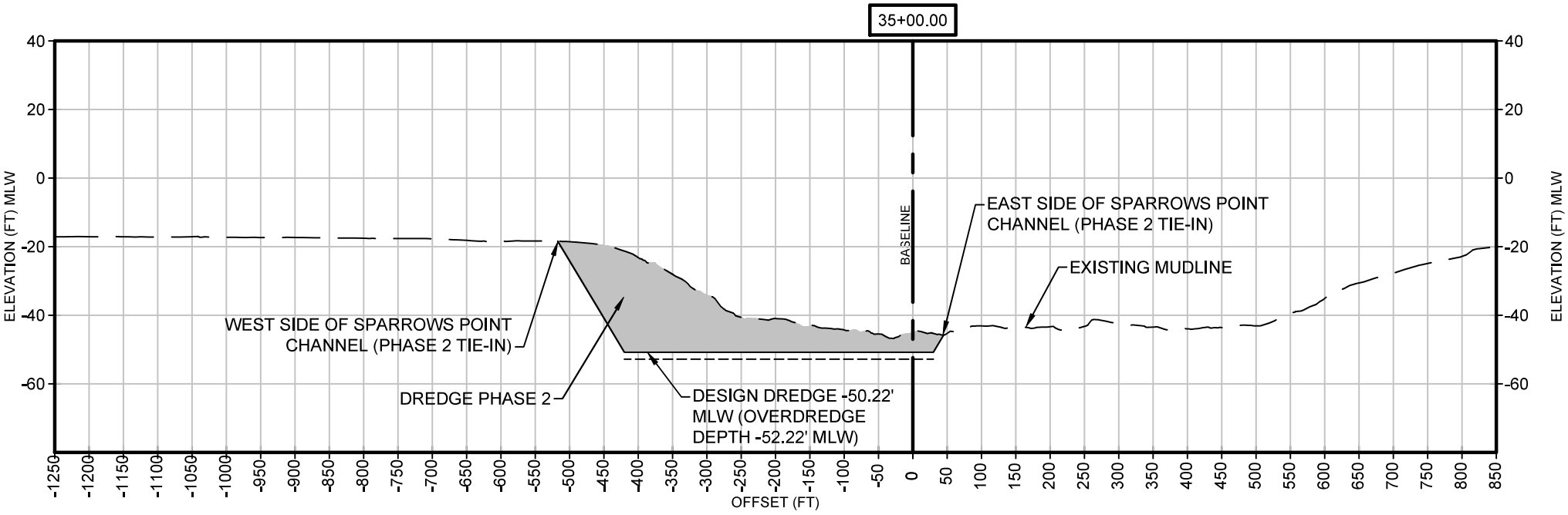
HATCH LANGAN

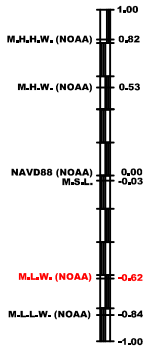
SPARROWS POINT CONTAINER TERMINAL

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





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.

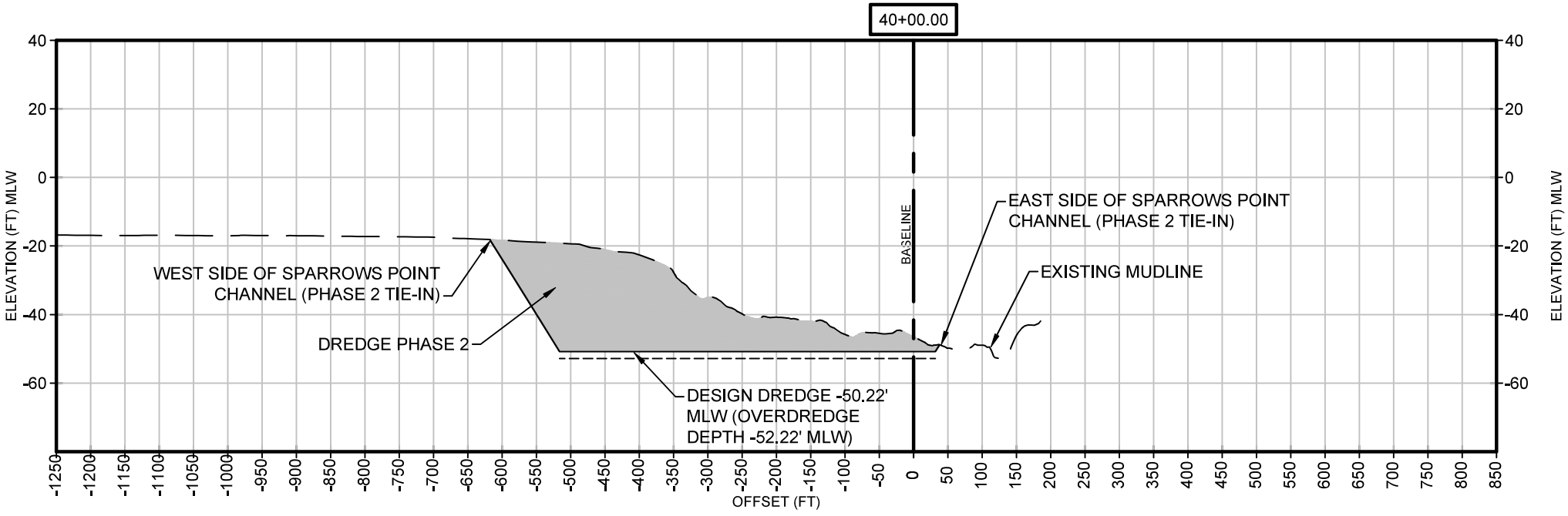
HATCH LANGAN TRADEPOINT

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



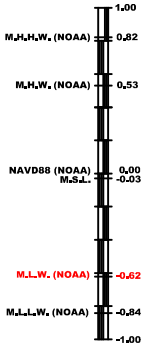
LEGEND:

- 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.

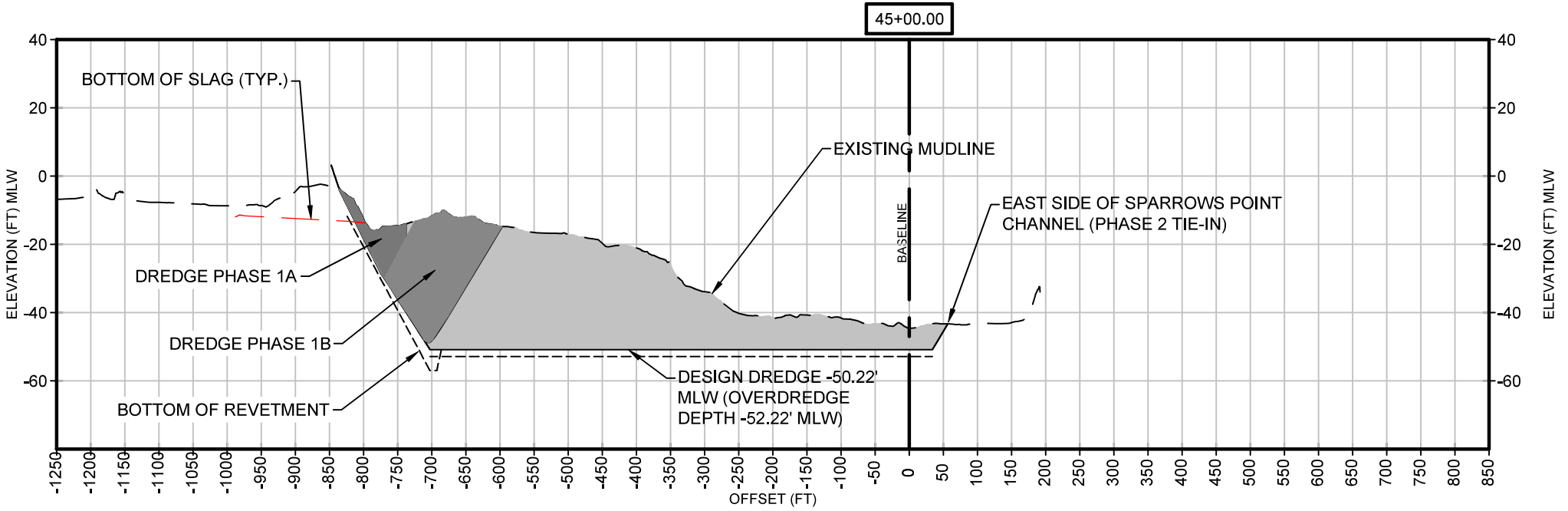
HATCH LANGAN TRADEPOINT

SPARROWS POINT CONTAINER TERMINAL

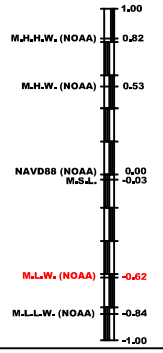
SECTIONS - DREDGING (SHEET 7 OF 14)

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

SHEET SIZE: A



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.

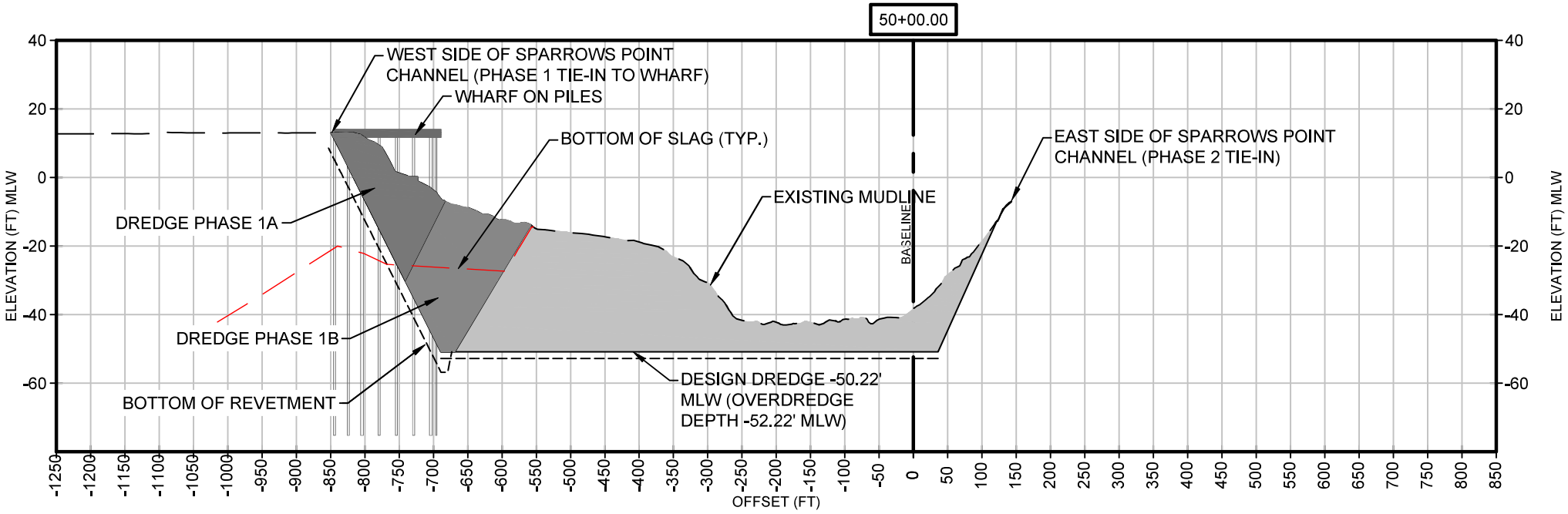
HATCH LANGAN TRADEPOINT

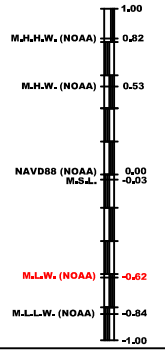
SPARROWS POINT CONTAINER TERMINAL

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

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.

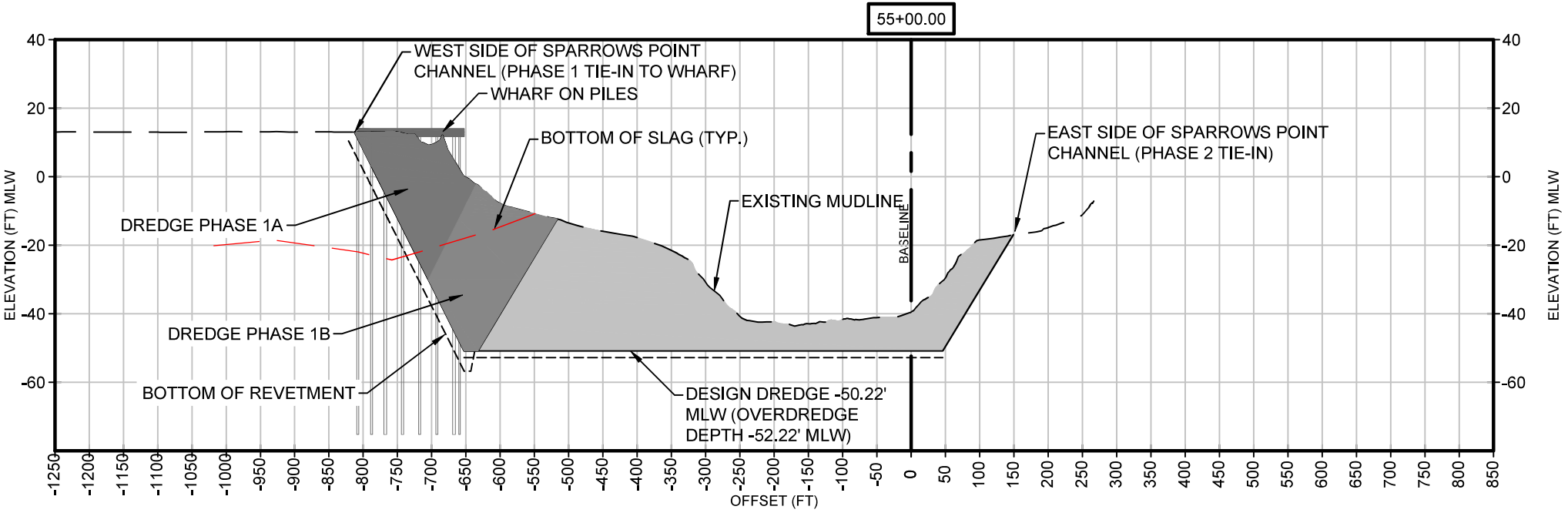
HATCH LANGAN TRADEPOINT

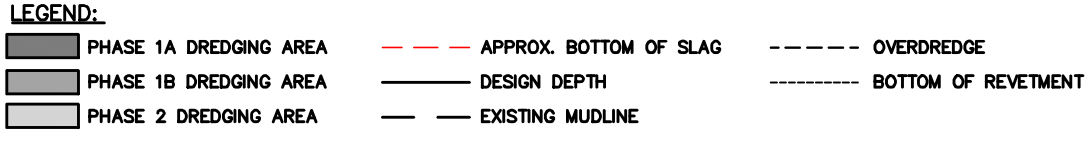
SPARROWS POINT CONTAINER TERMINAL

SECTIONS - DREDGING (SHEET 9 OF 14)

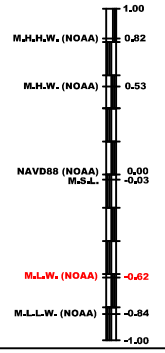
DATE	PROJECT NUMBER	DESIGNED BY	DRAWN BY	CHECKED BY	PROJECT MGR.	SHEET NUMBER	DRAWING
05/02/2025		ATR	ATR				CN309

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.



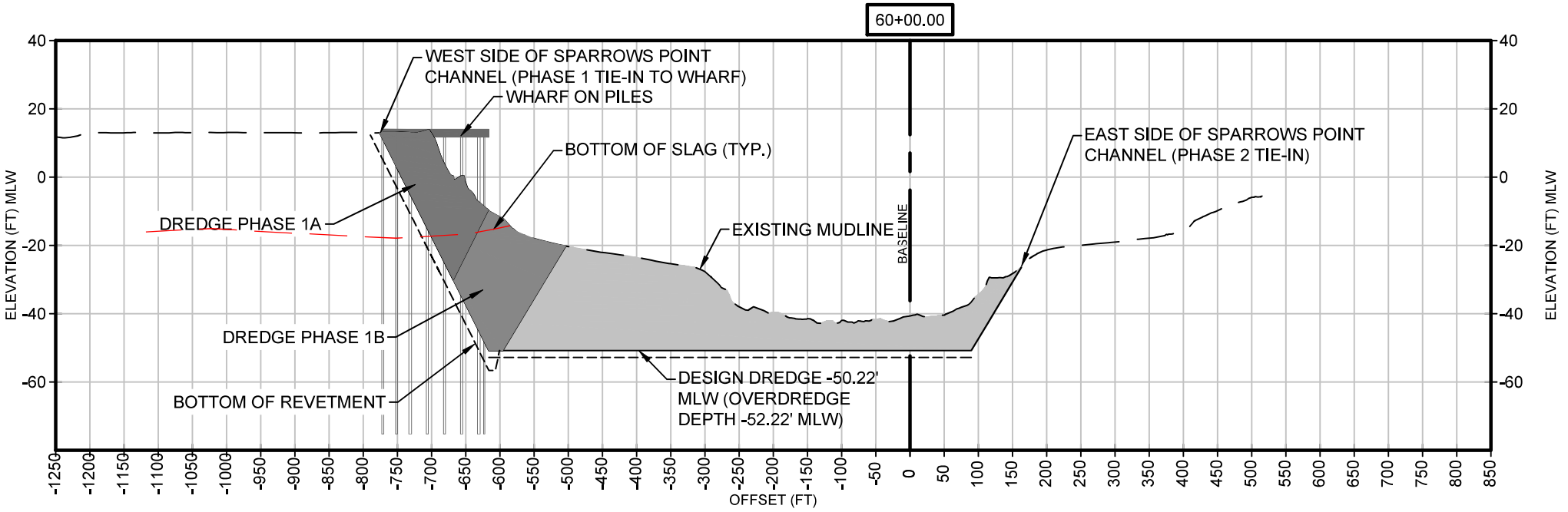
HATCH LANGAN

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



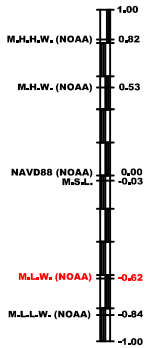
LEGEND:

- 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.

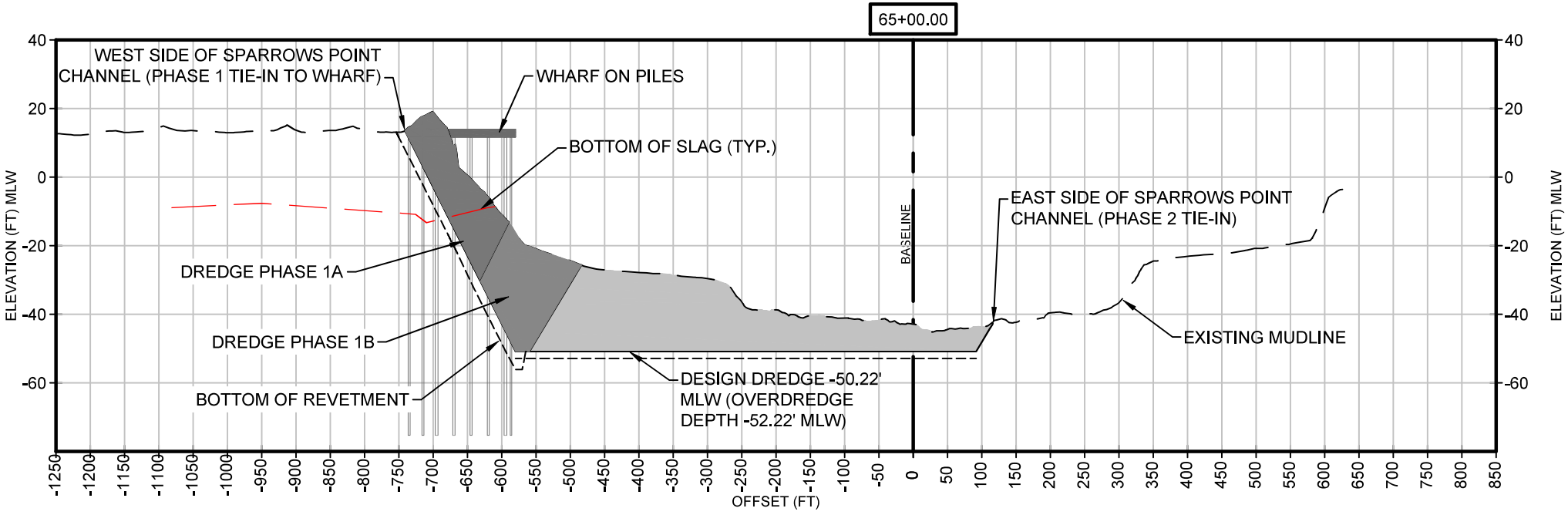
HATCH LANGAN

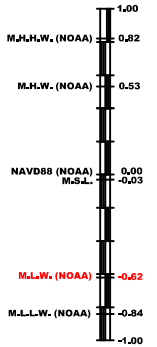
SPARROWS POINT CONTAINER TERMINAL

SECTIONS - DREDGING (SHEET 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





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.

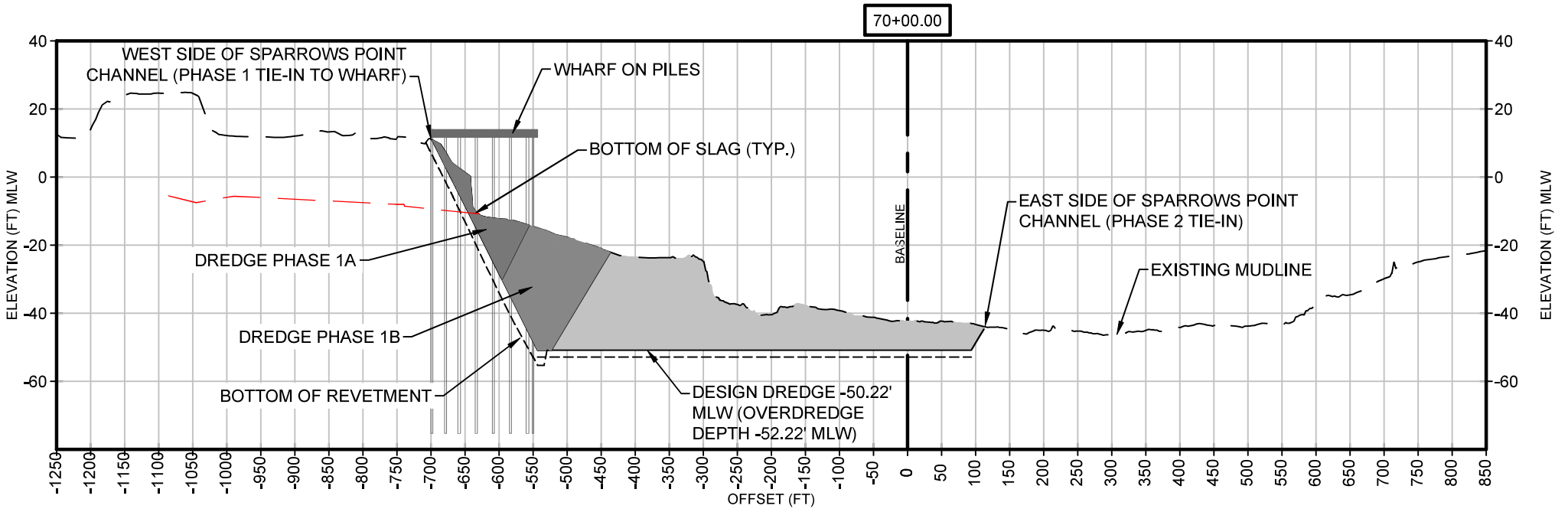
HATCH LANGAN TRADEPOINT ATLANTIC

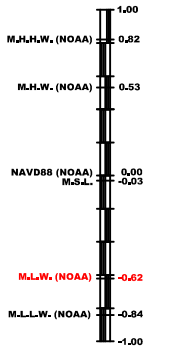
SPARROWS POINT CONTAINER TERMINAL

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.

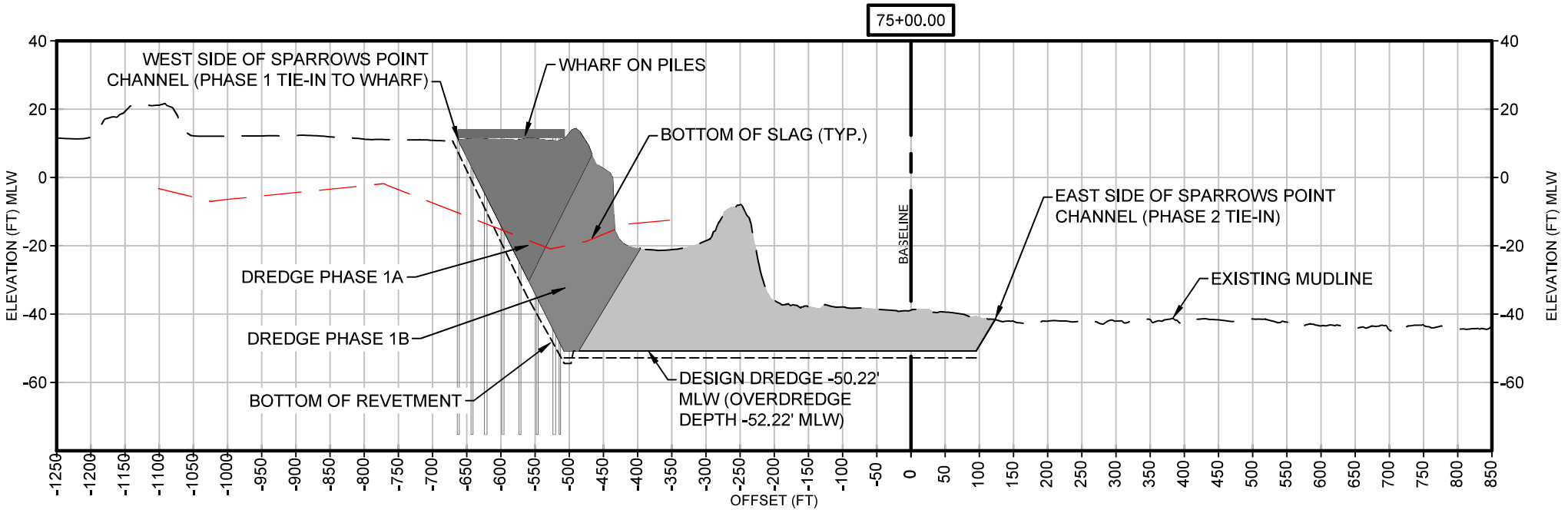
HATCH LANGAN TRADEPOINT

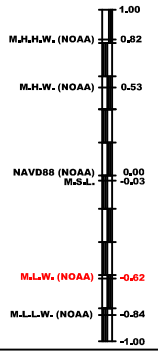
SPARROWS POINT CONTAINER TERMINAL

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 TRADEPOINT

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

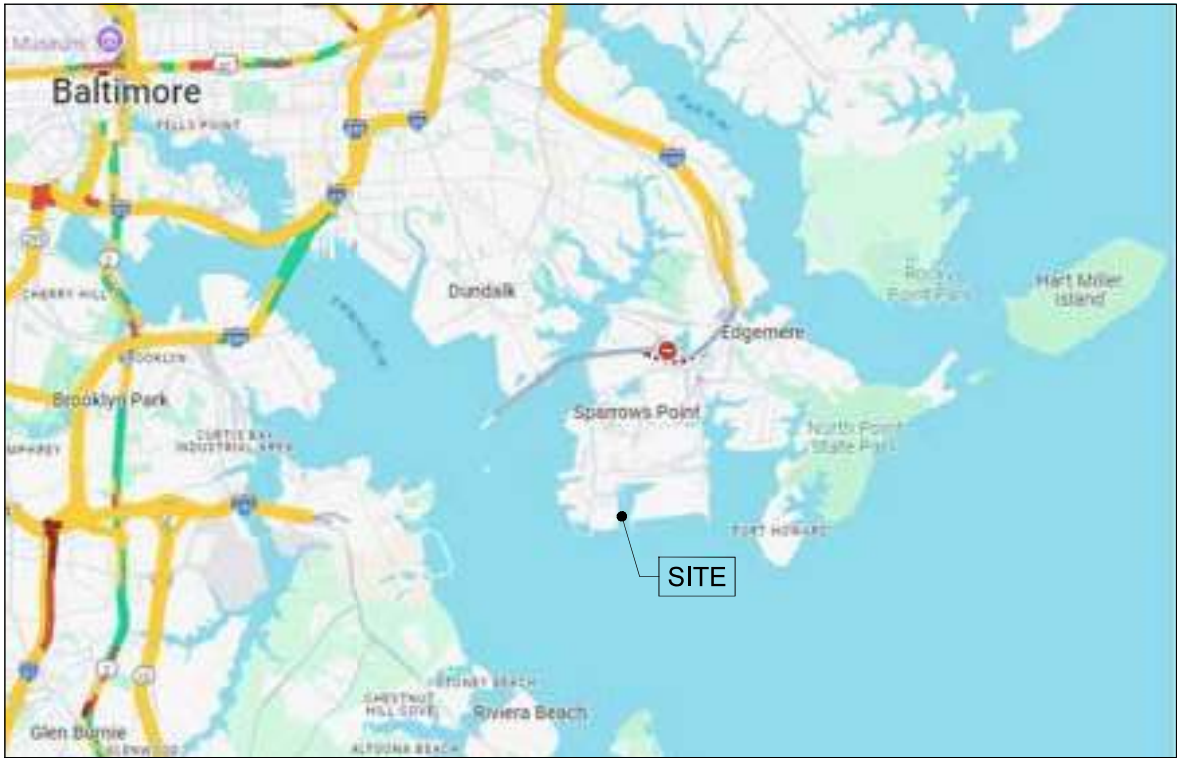
DATE	PROJECT NUMBER	DESIGNED BY	DRAWN BY	CHECKED BY	PROJECT MGR.	SHEET NUMBER	DRAWING
05/23/2025		ATR	ATR				CN100

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

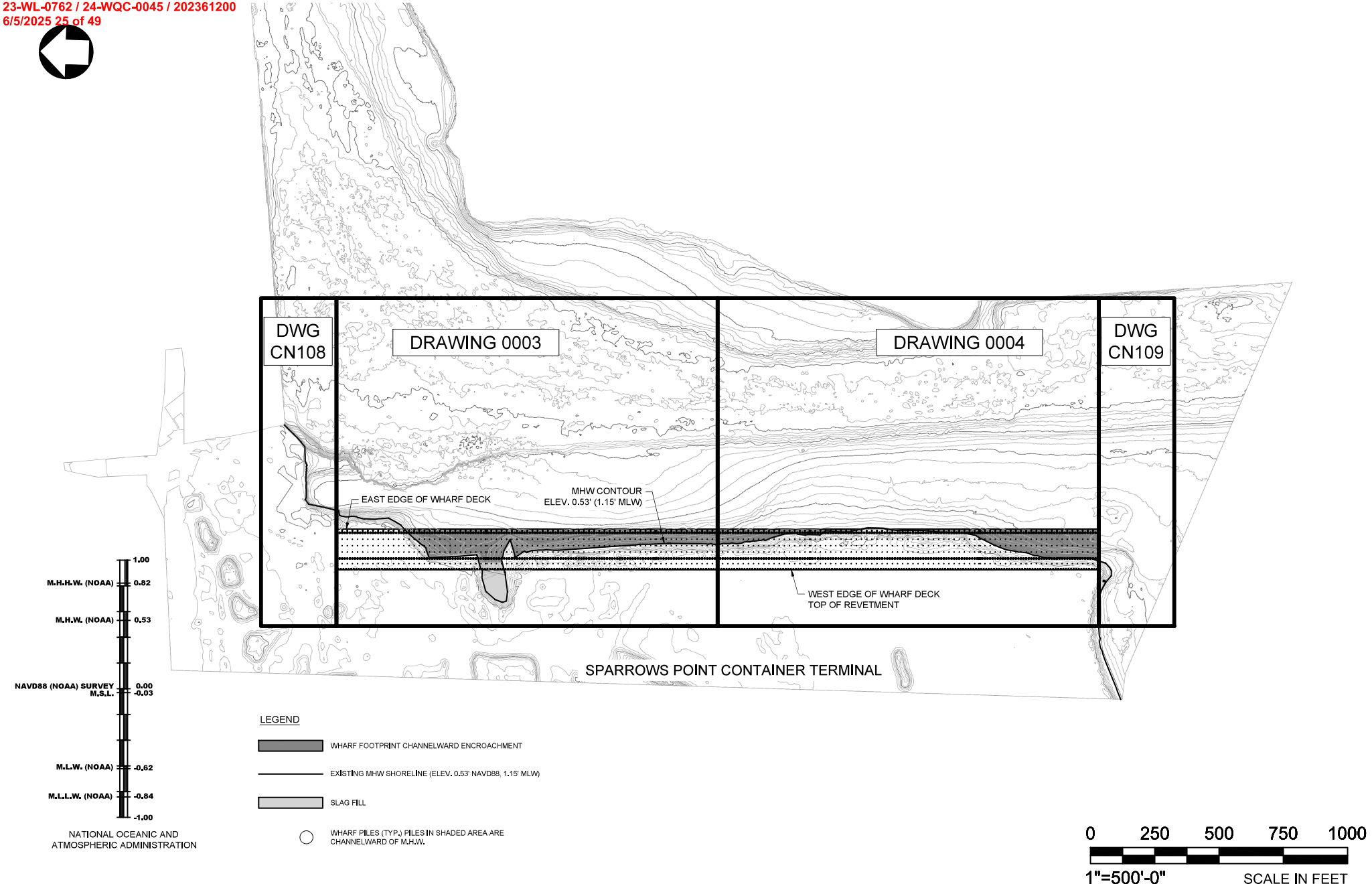
HATCH

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

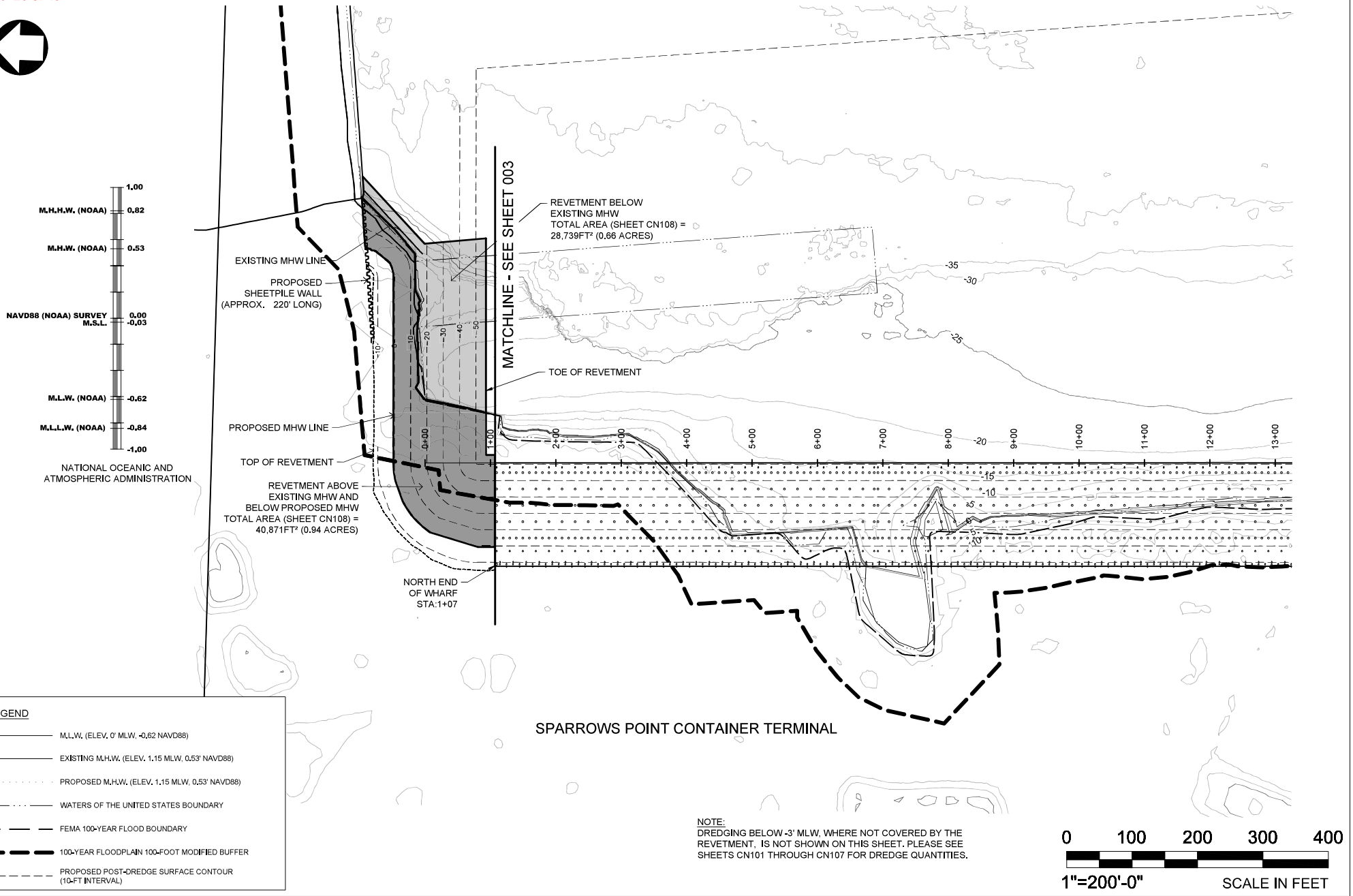
SPARROWS POINT CONTAINER TERMINAL WHARF

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

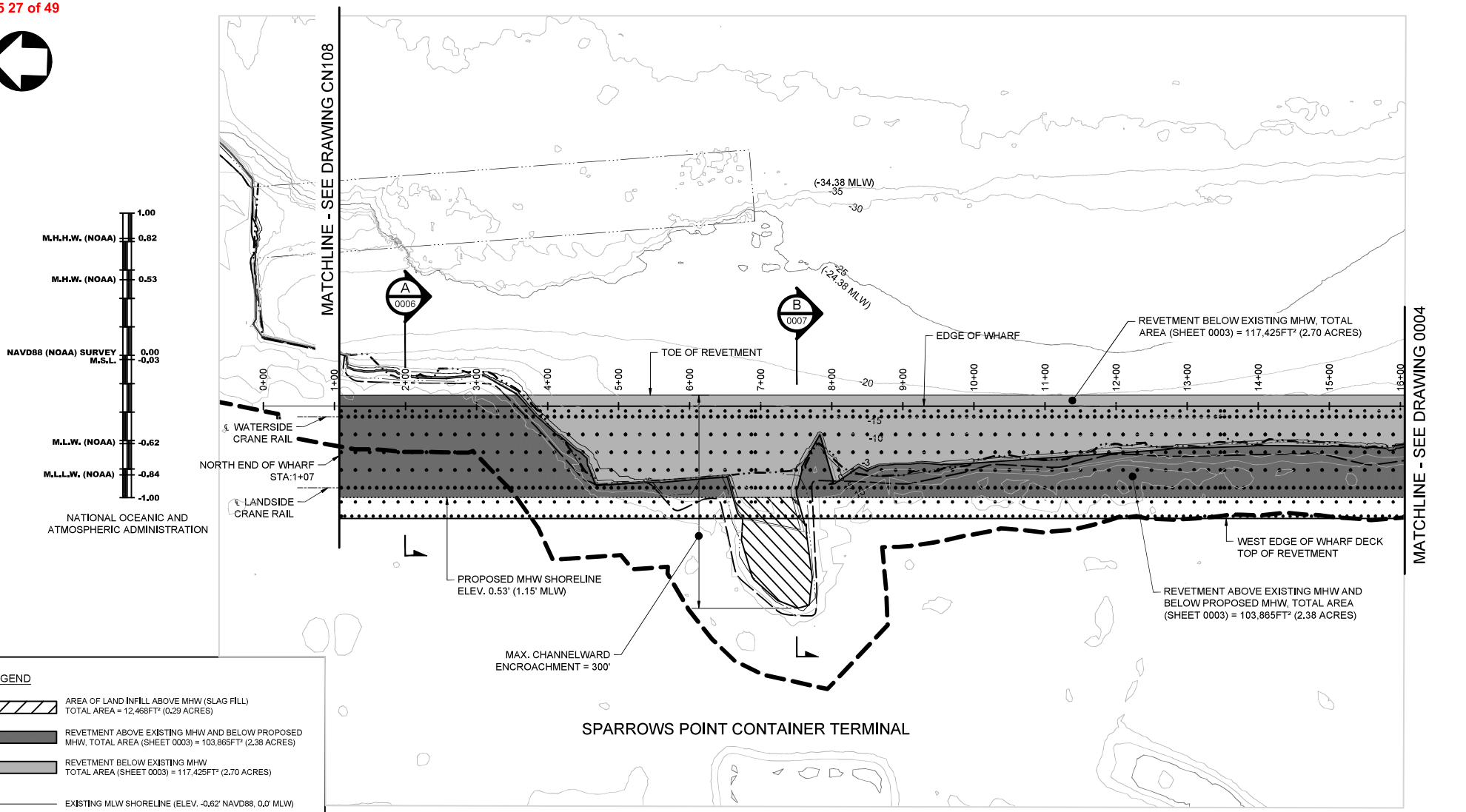
SPARROWS POINT CONTAINER TERMINAL WHARF

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



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

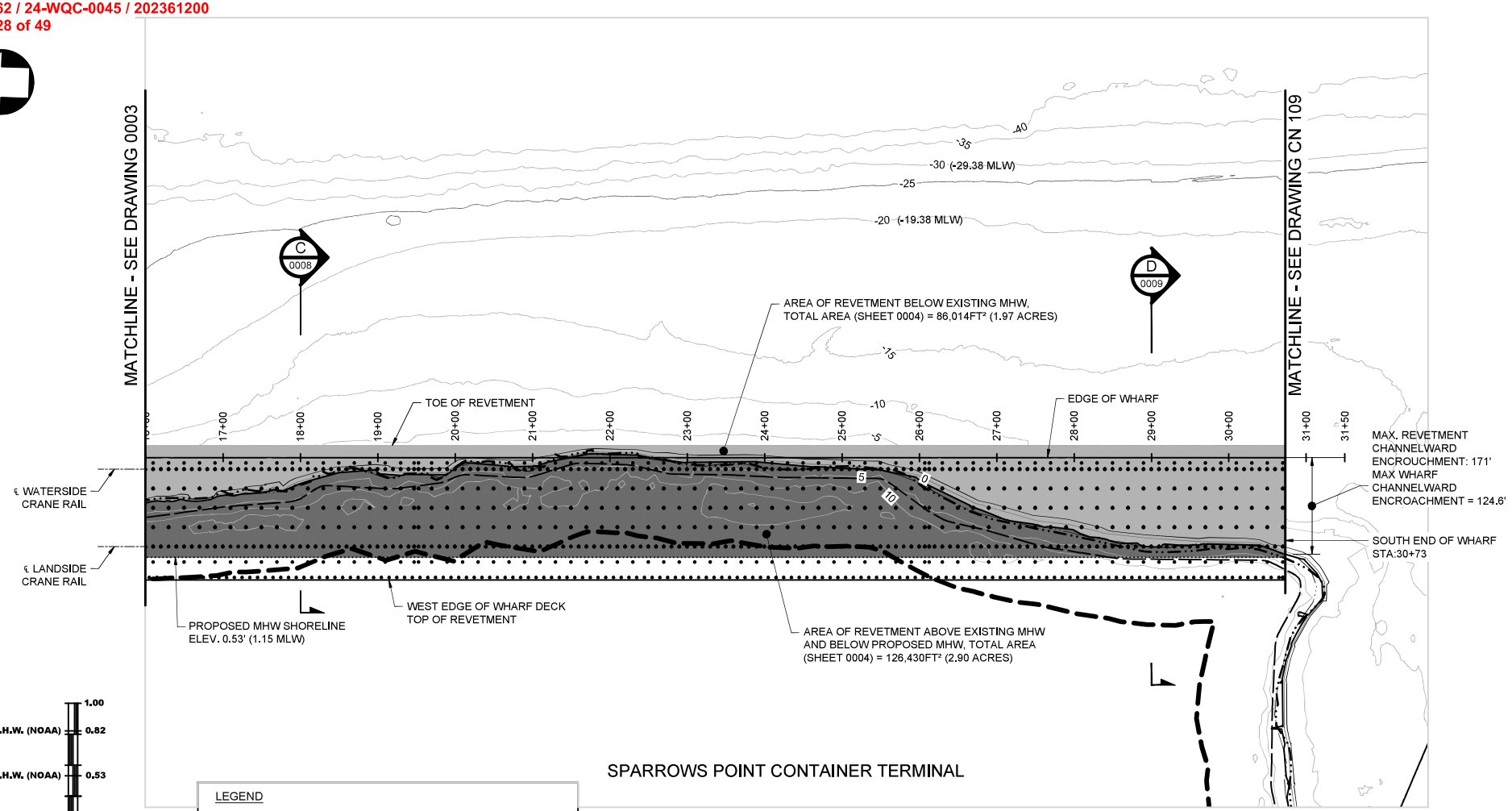
SPARROWS POINT CONTAINER TERMINAL WHARF

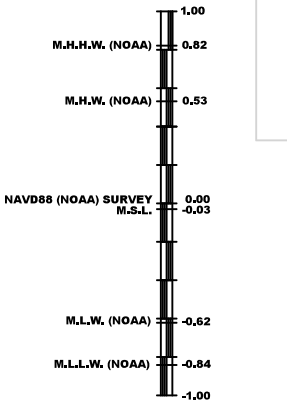
BALTIMORE COUNTY, MARYLAND

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

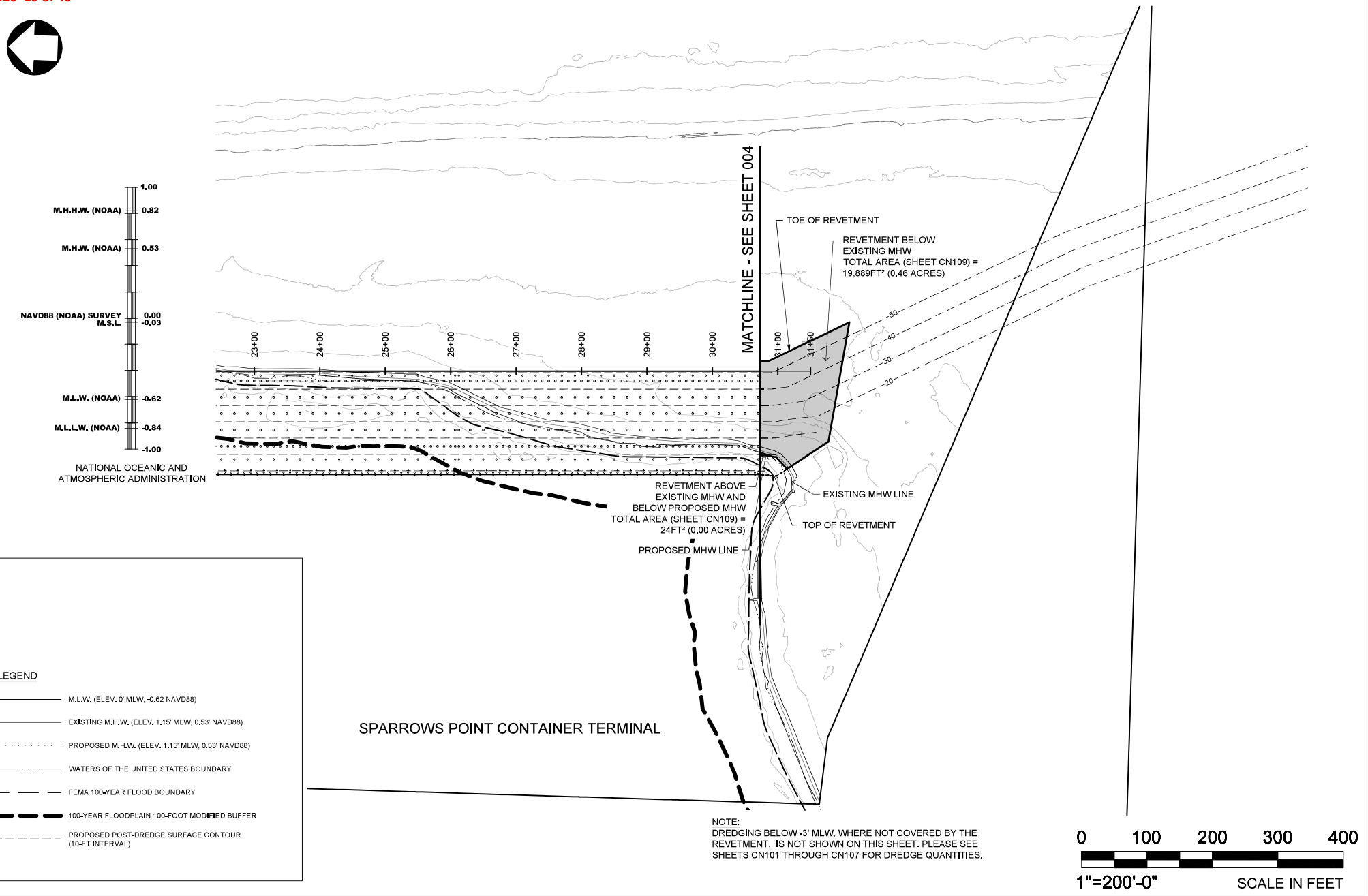
SPARROWS POINT CONTAINER TERMINAL WHARF

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

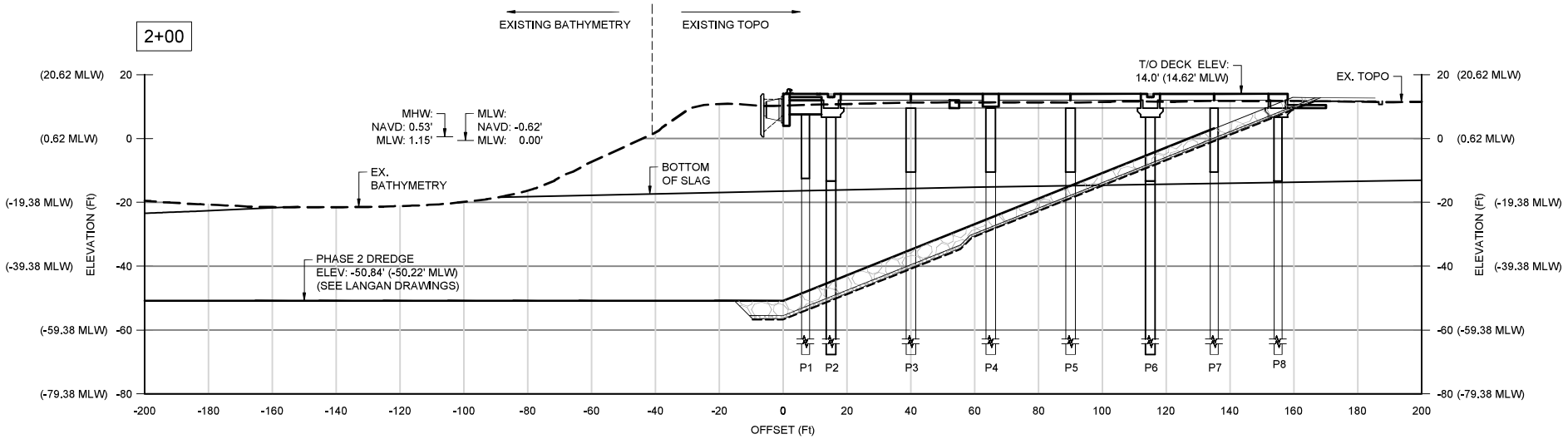
SPARROWS POINT CONTAINER TERMINAL WHARF

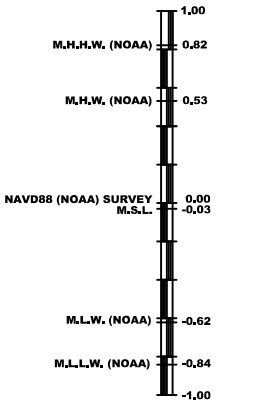
BALTIMORE COUNTY, MARYLAND

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)

1"=50'-0" SCALE IN FEET

HATCH

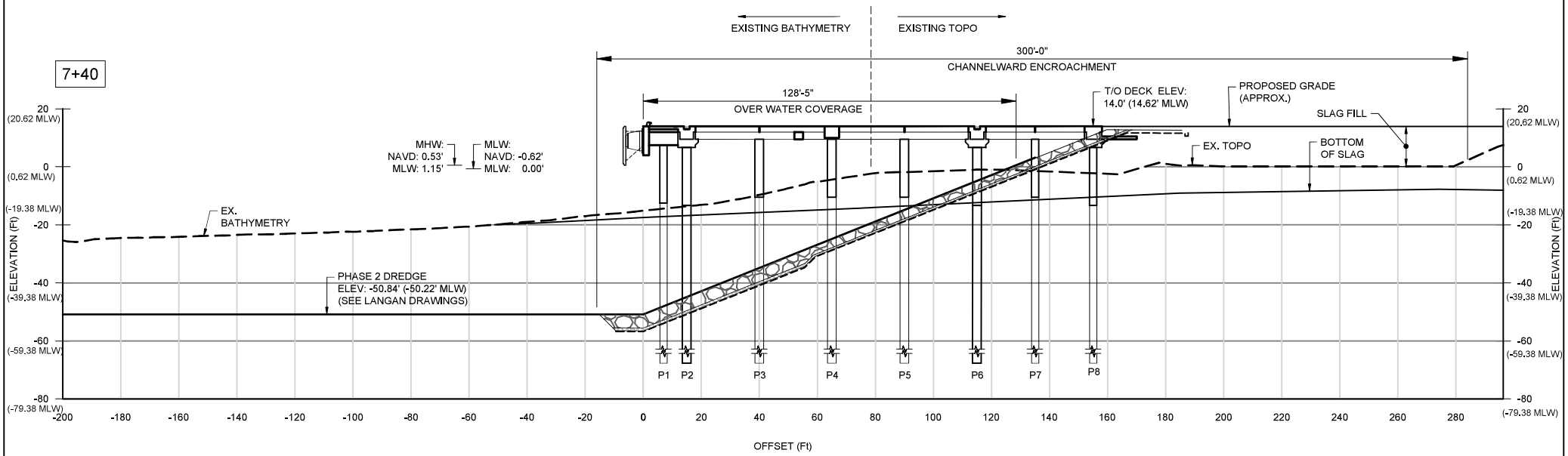
SPARROWS POINT
CONTAINER TERMINAL
WHARF

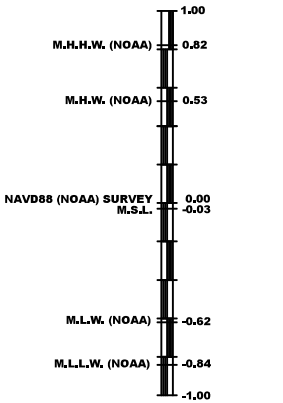
BALTIMORE COUNTY, MARYLAND

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	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

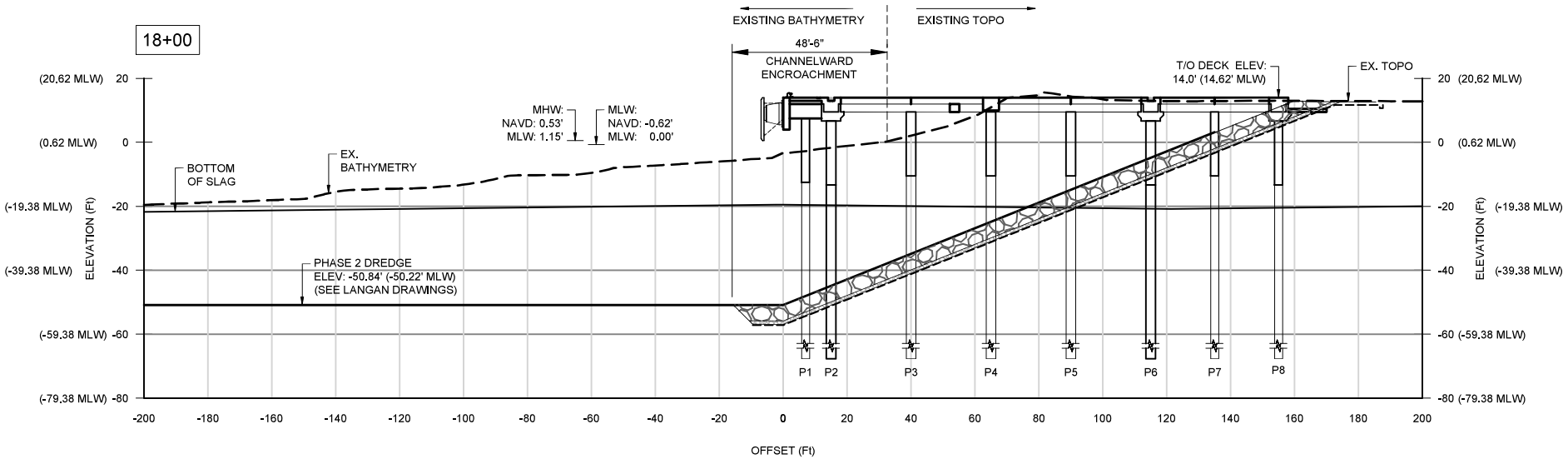
SPARROWS POINT
CONTAINER TERMINAL
WHARF

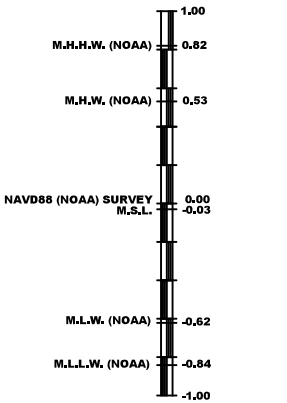
BALTIMORE COUNTY, MARYLAND

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

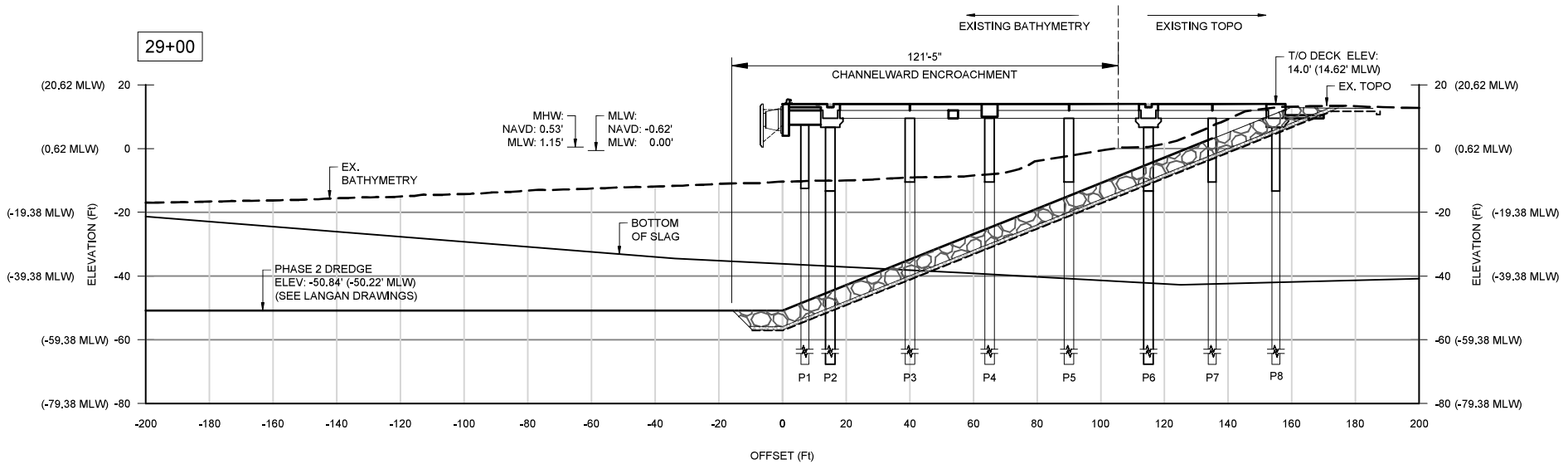
SPARROWS POINT
CONTAINER TERMINAL
WHARF

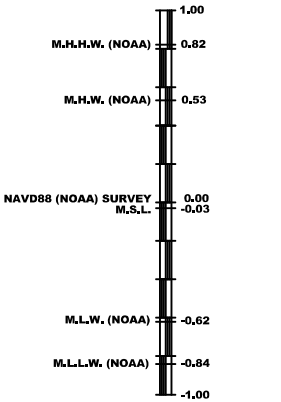
BALTIMORE COUNTY, MARYLAND

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)
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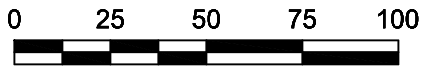
P6 = Ø36" STEEL CRANE RAIL PILE (10' SPACING)
P7 = Ø30" STEEL DECK PILE (20' SPACING)
P8 = Ø30" STEEL PILE (10' SPACING)



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	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

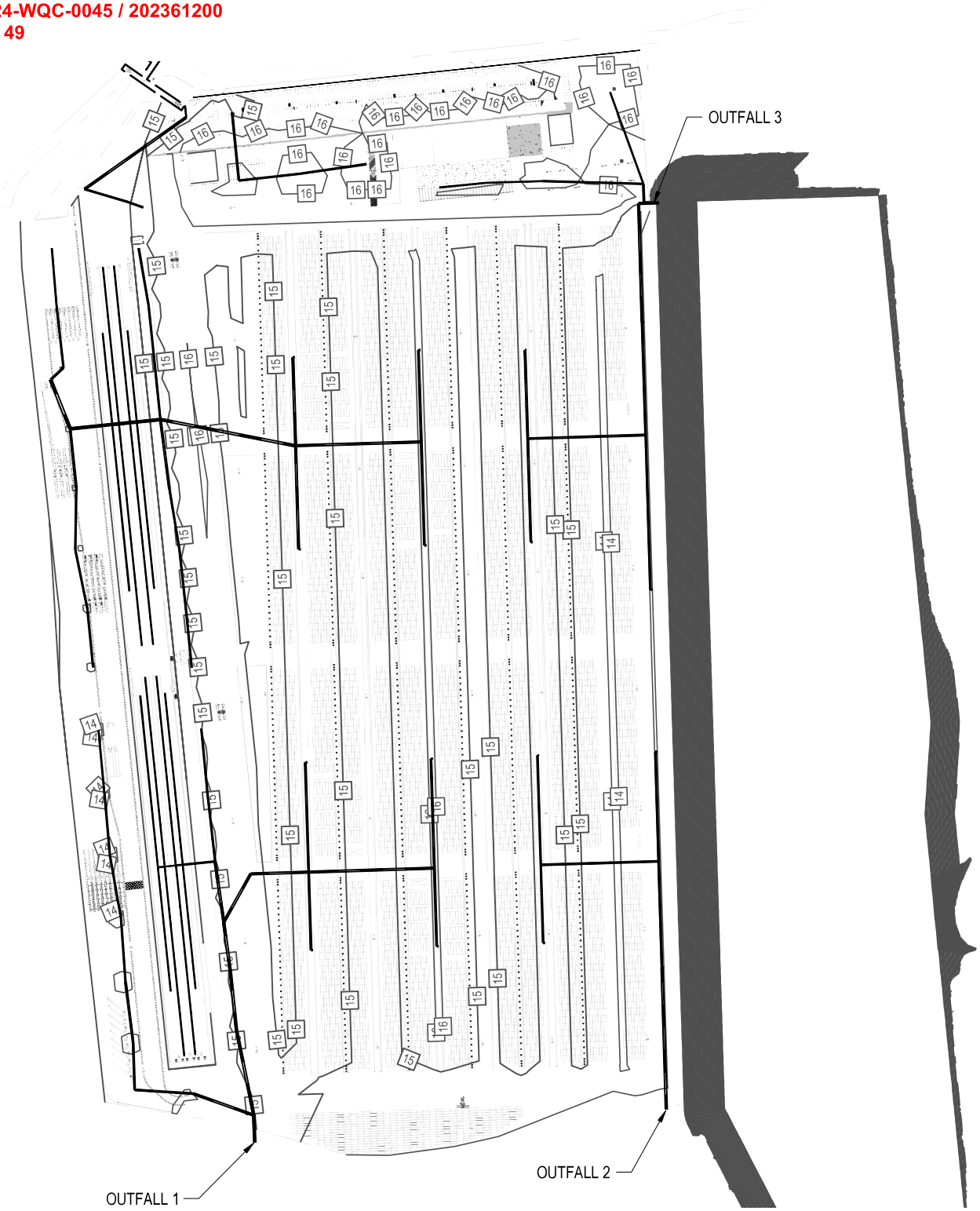
SPARROWS POINT
CONTAINER TERMINAL
WHARF

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

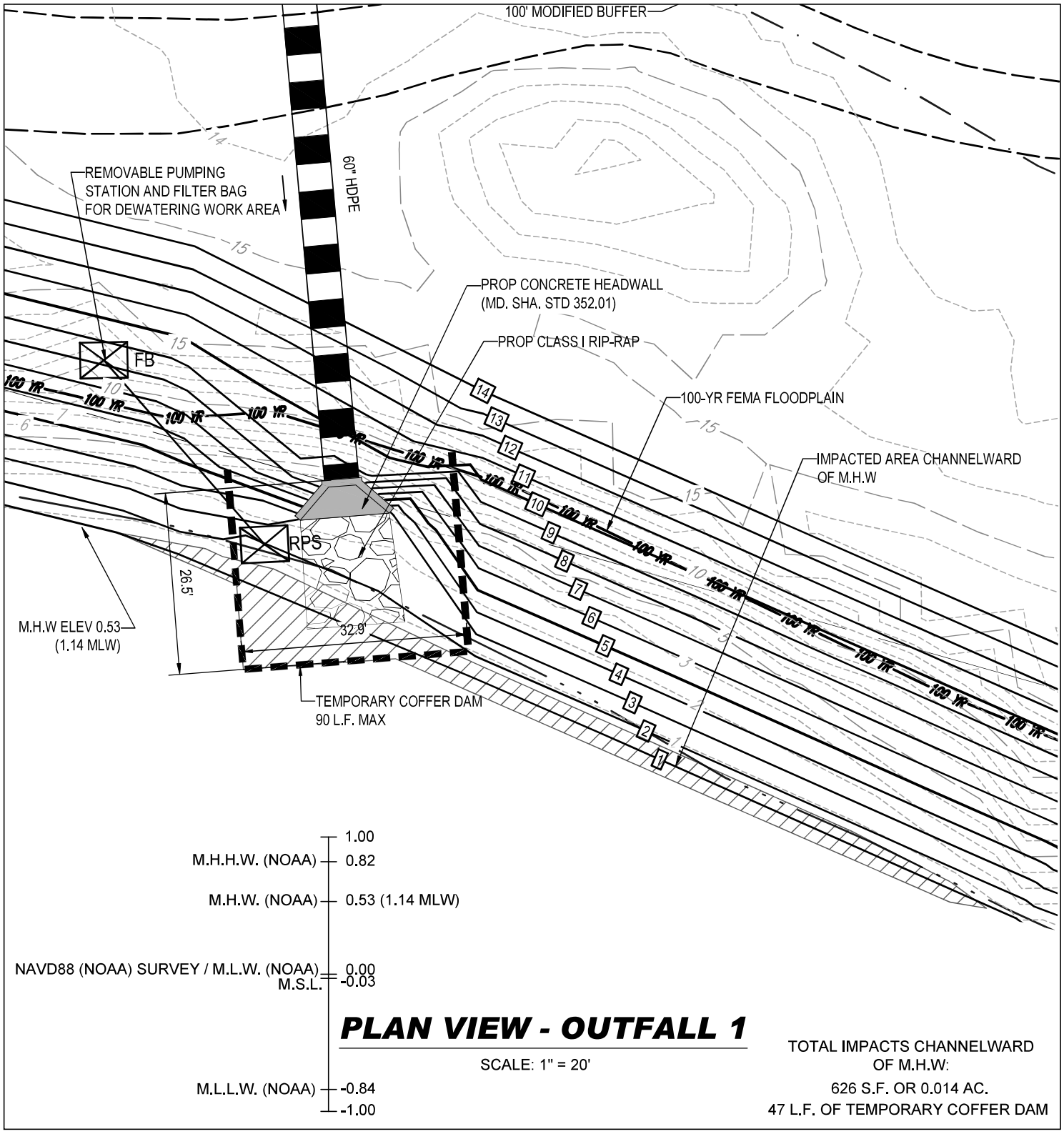
BALTIMORE, MD 21219

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'



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

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

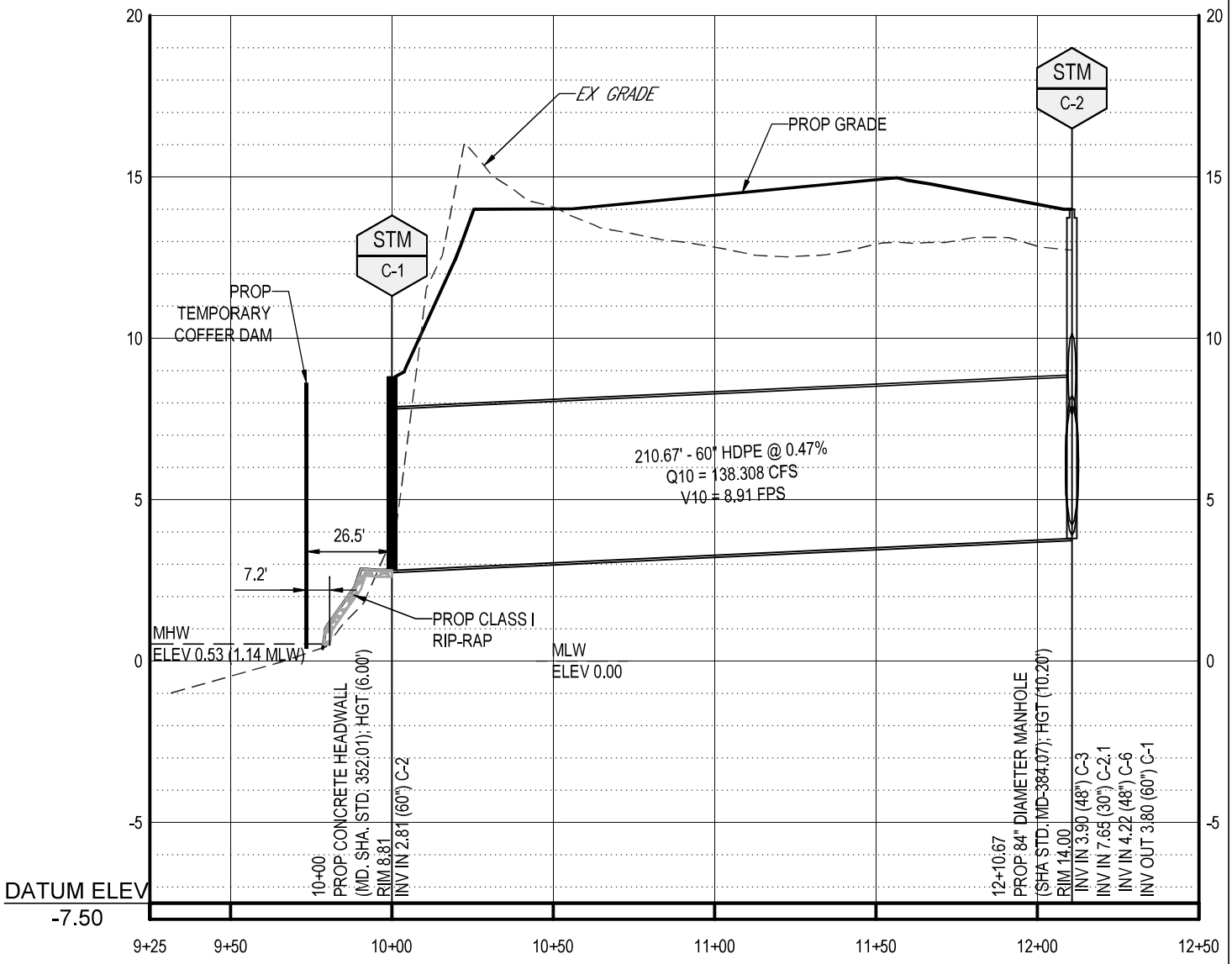
1/7/25 | DMD | MDA220013.03

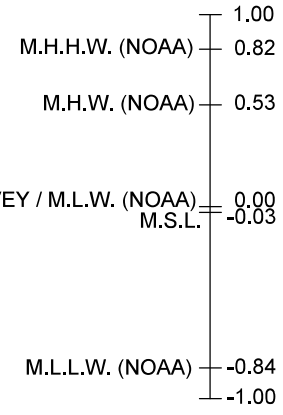
SPARROWS POINT CONTAINER TERMINAL

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

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TOWSON, MARYLAND 21204
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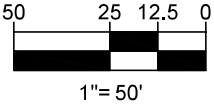
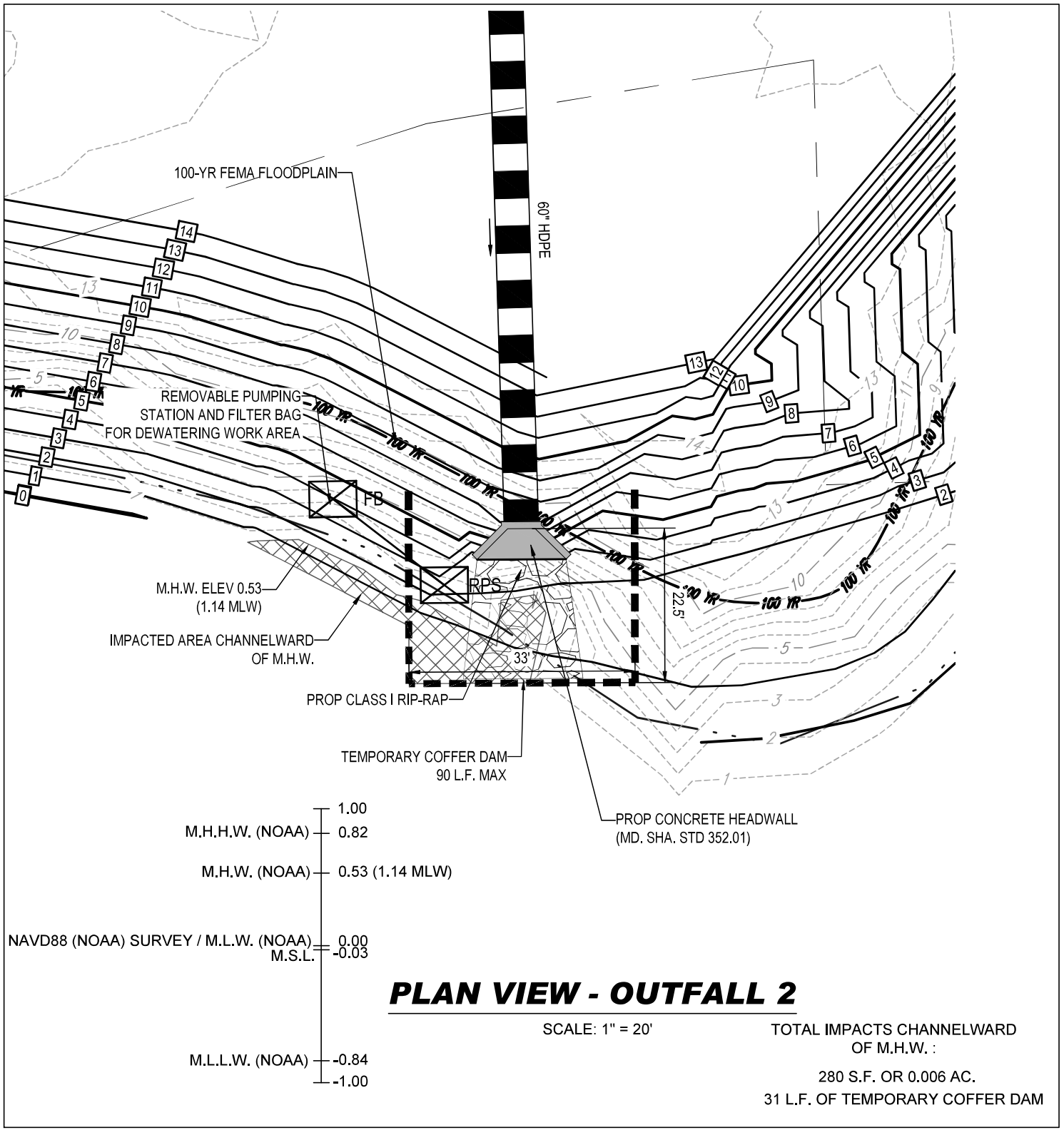
MD@BohlerEng.com

TRADEPOINT ATLANTIC
BALTIMORE, MD 21219





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

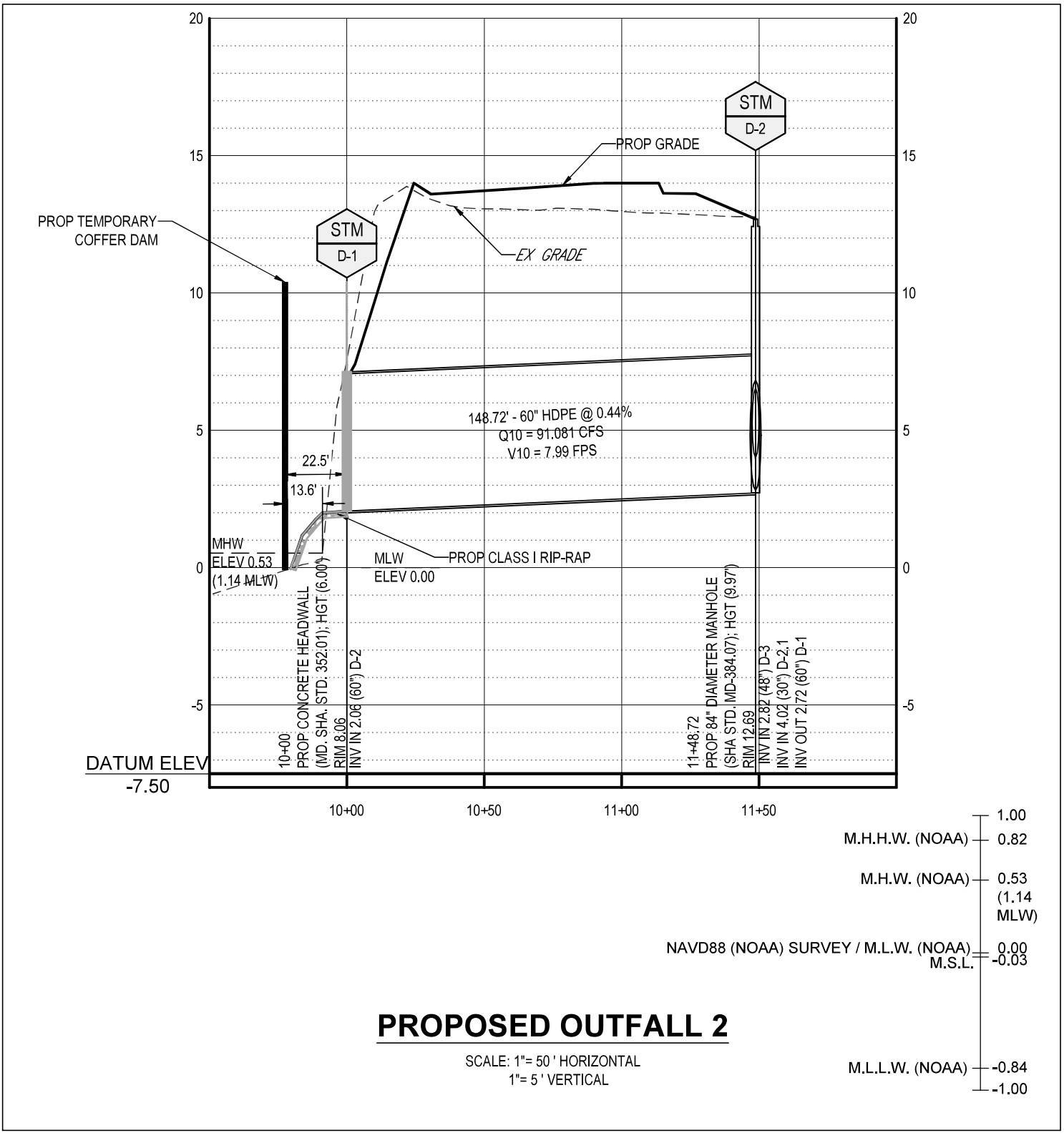
1/7/25 | DMD | MDA220013.03

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-C(VL-EXHA-MDA220013.03-----)LAYOUT: PROFILE 2

1/7/25 | DMD | MDA220013.03

SPARROWS POINT CONTAINER TERMINAL

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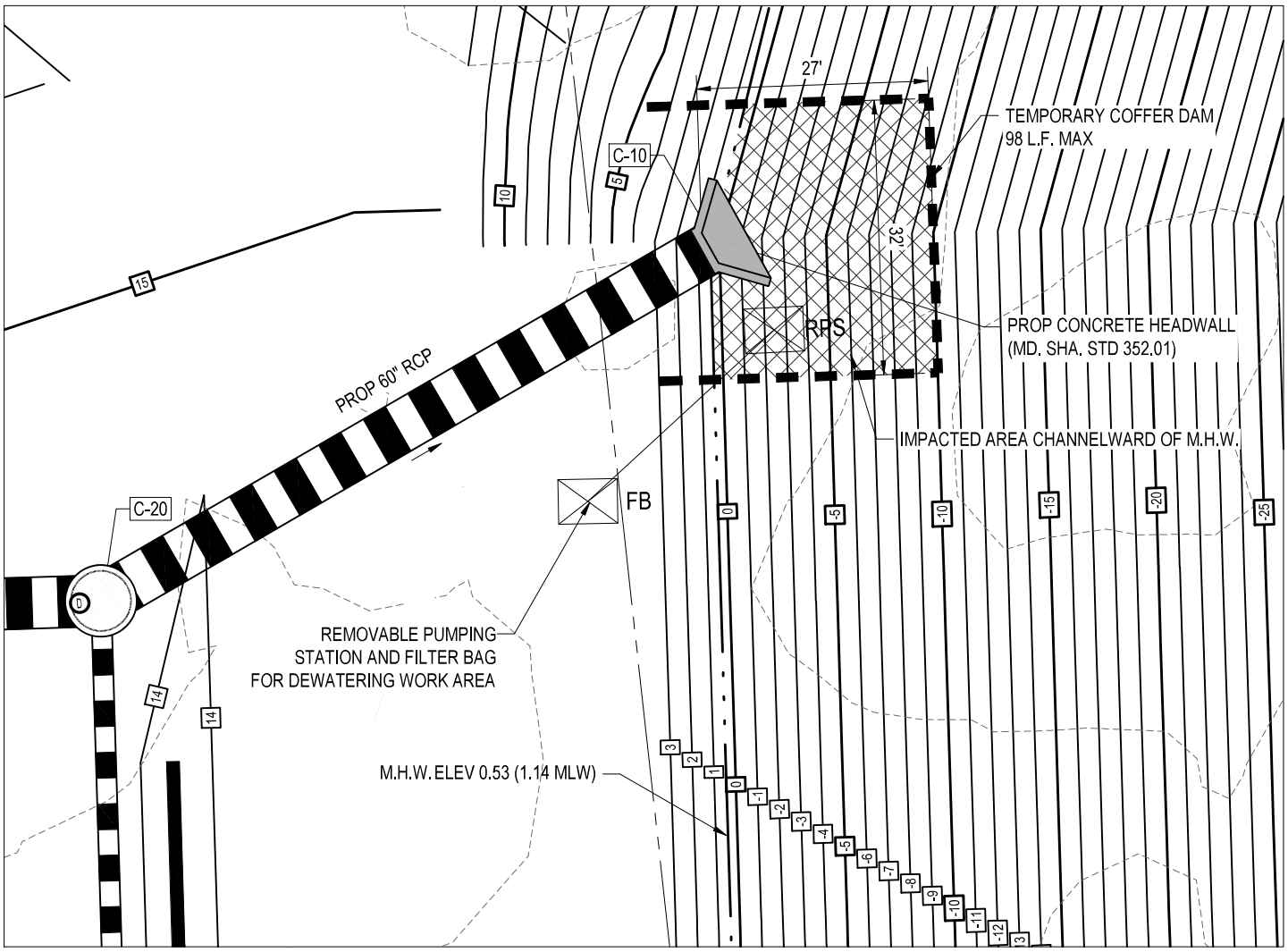
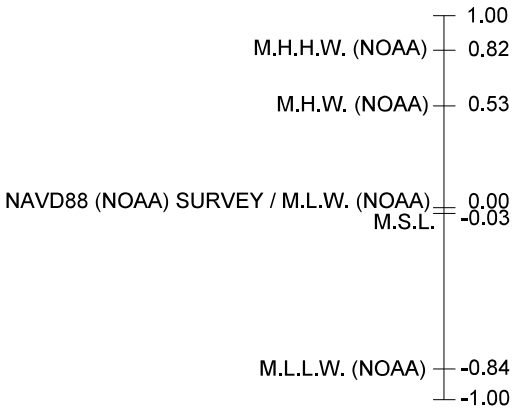
TOWSON, MARYLAND 21204
Phone: (410) 821-7900
Fax: (410) 821-7987
MD@BohlerEng.com

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

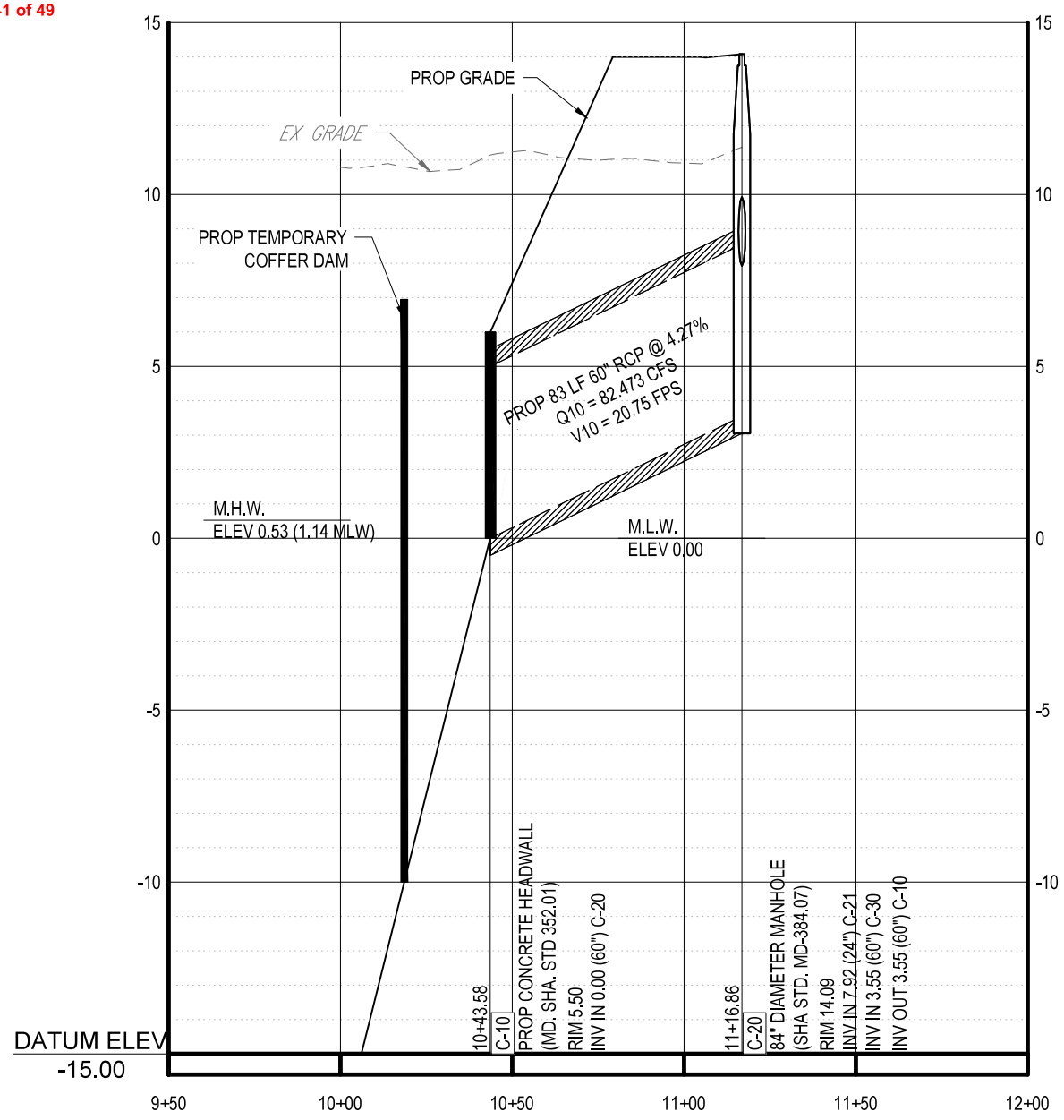
05/01/2025 | DMD | MDA220013.03

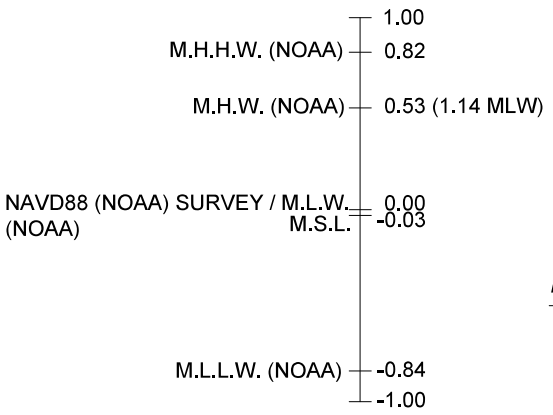
SPARROWS POINT CONTAINER TERMINAL

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 3

SCALE: 1" = 20'

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

05/01/2025 | 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'

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. OUTFALL #2: 60" DIAMETER OUTFALL, WITH 15'X20' STONE, 15' CHANNELWARD OF MHWL. 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

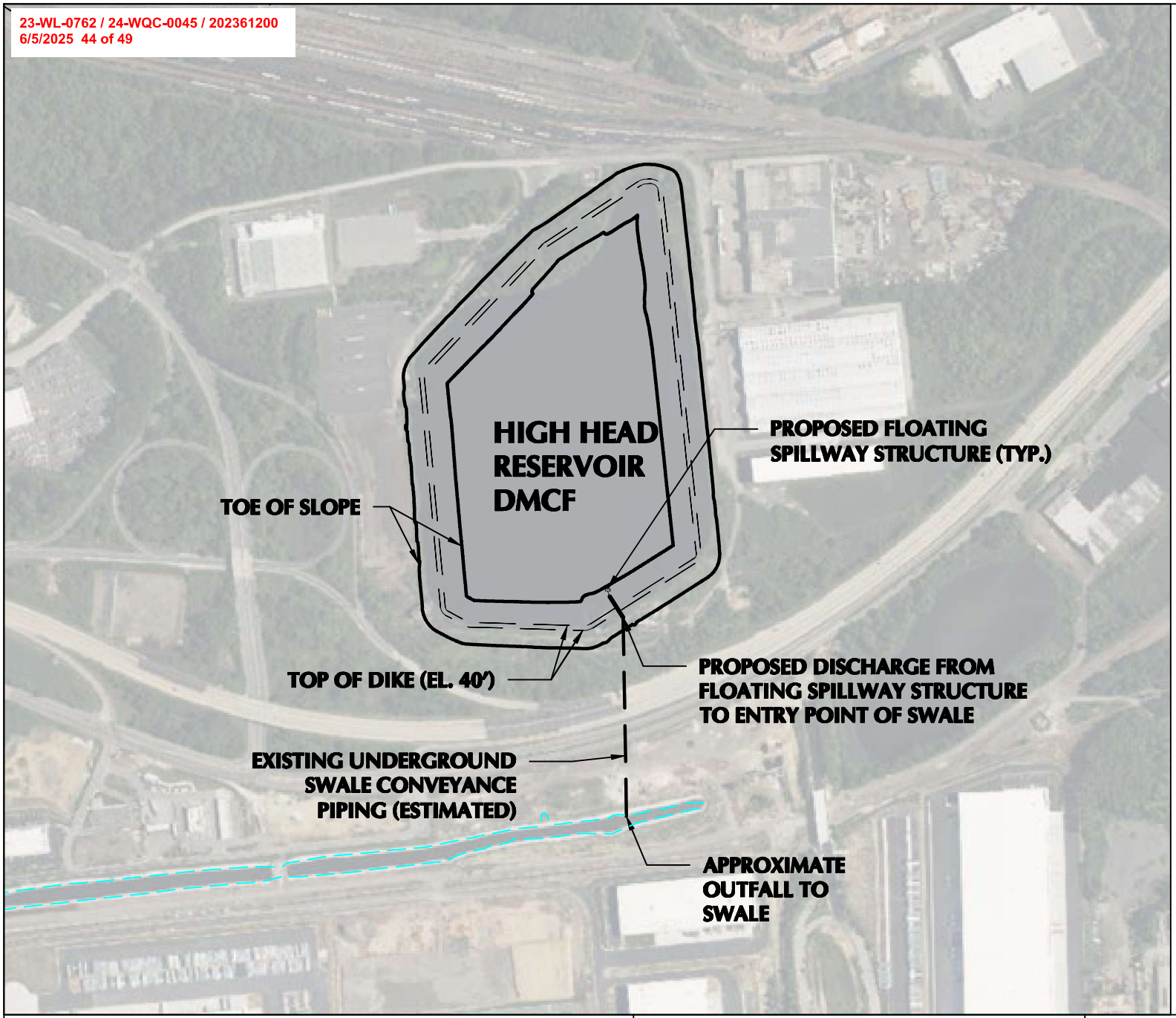
SPARROWS POINT CONTAINER TERMINAL

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

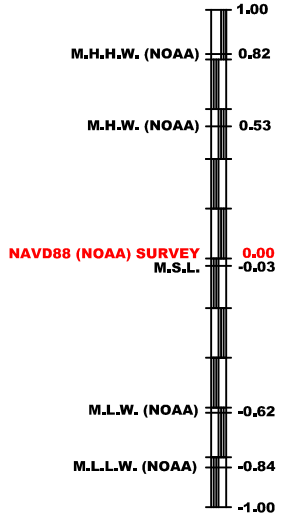
50 25 12.5 0
1"= 50'


High Head Industrial Basin DMCF
Placement Area
Outer Edge of Dike
High Head Industrial Basin DMCF Effluent Pipeline
Offshore Diffuser Area
Baltimore Harbor Channels (Federal Navigation Channels)
Sparrows Point Channel
Tradepoint Atlantic Property
23-WL-0762 / 24-WQC-0045 / 202361200
6/5/2025 43 of 47
High Head Industrial Basin DMCF
Offshore Diffuser Area
High Head Industrial Basin DMCF Effluent Pipeline
High Head Industrial Basin DMCF Outfall
Sparrows Point Country Club
Peninsula Expy
Wire Mill Rd
Grays Rd
N Point Blvd
Dundalk Ave
Bethlehem Blvd
Bear Creek
Sparrows Point Blvd
Canal Rd
Mardigian Rd
Old Road Bay
Litol Rd
Ore Pier Rd
Wharf Rd
Brewerton Angle
Brewerton Channel
Patapsco River
695
157
151
0
0.5
Miles



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



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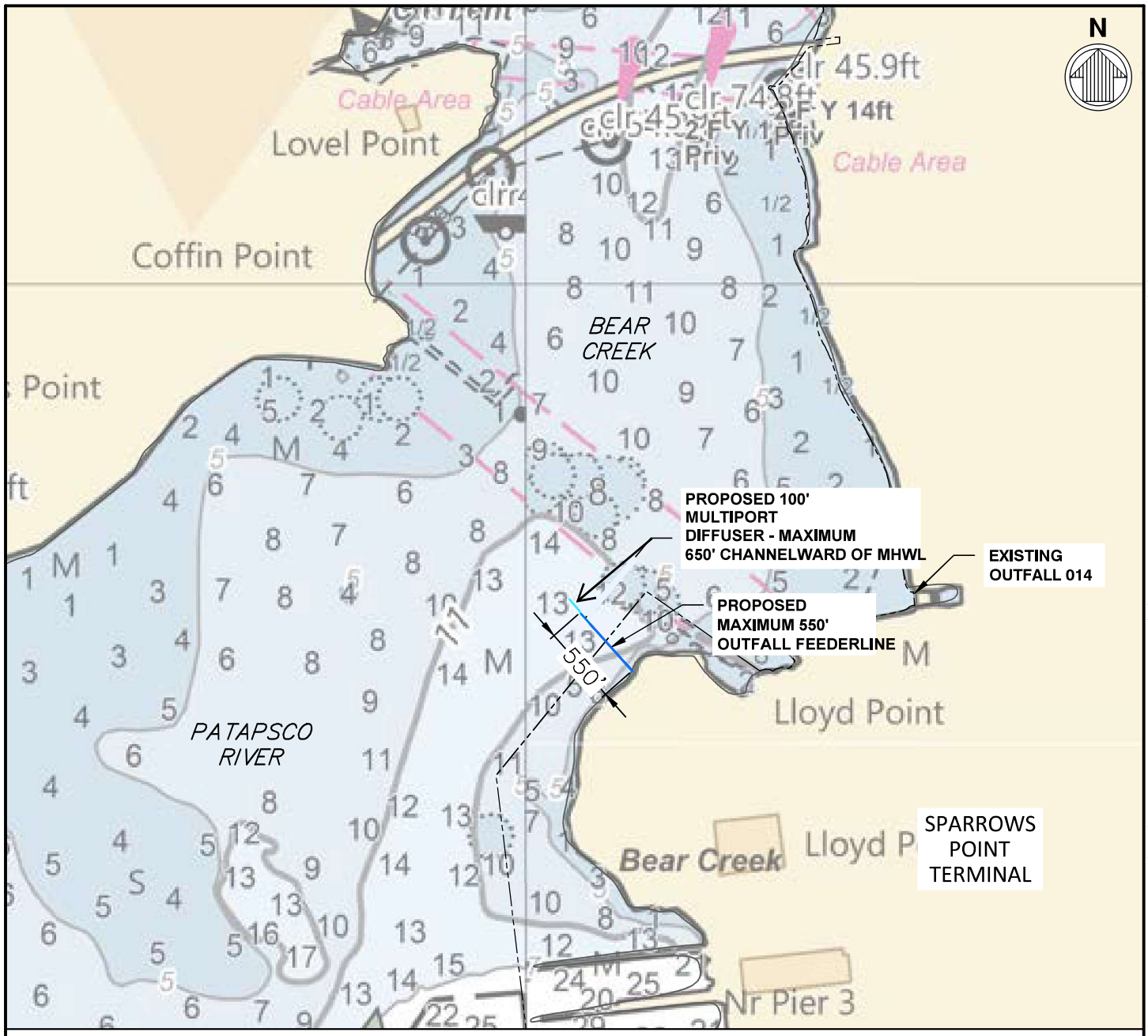
SPARROWS POINT CONTAINER TERMINAL

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:
TRADEPOINT ATLANTIC
6995 BETHLEHEM BLVD.
BALTIMORE, MARYLAND 21219

HIGH HEAD INDUSTRIAL BASIN DMCF OUTFALL AND DIFFUSER

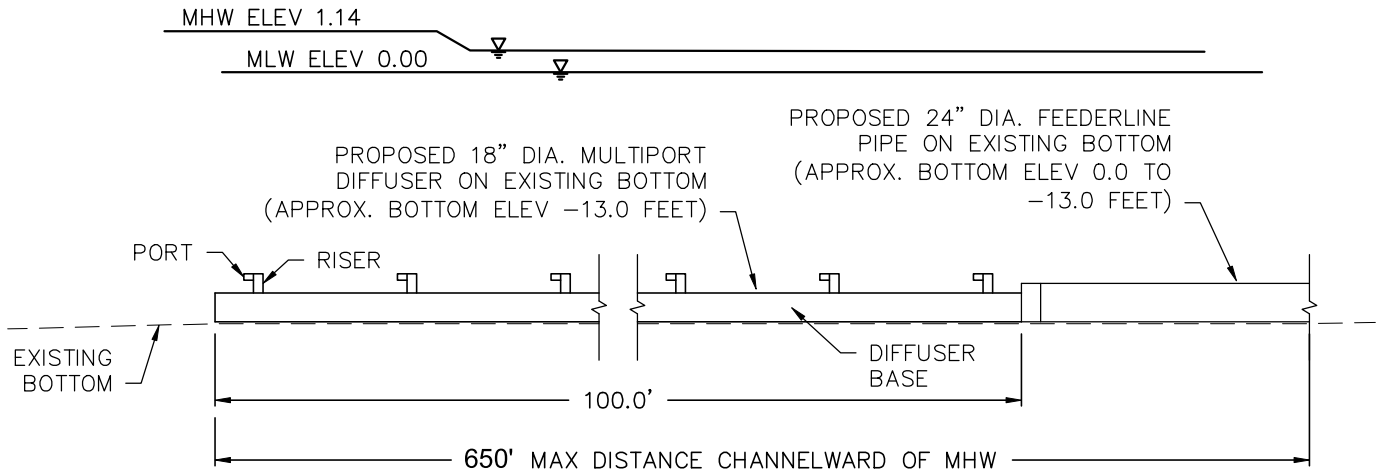
PROJECT LOCATION:
PATAPSCO RIVER / BEAR CREEK
BALTIMORE COUNTY, MARYLAND

0 1000' 2000'
1"=1000'

DATE: JUN 4, 2025

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

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

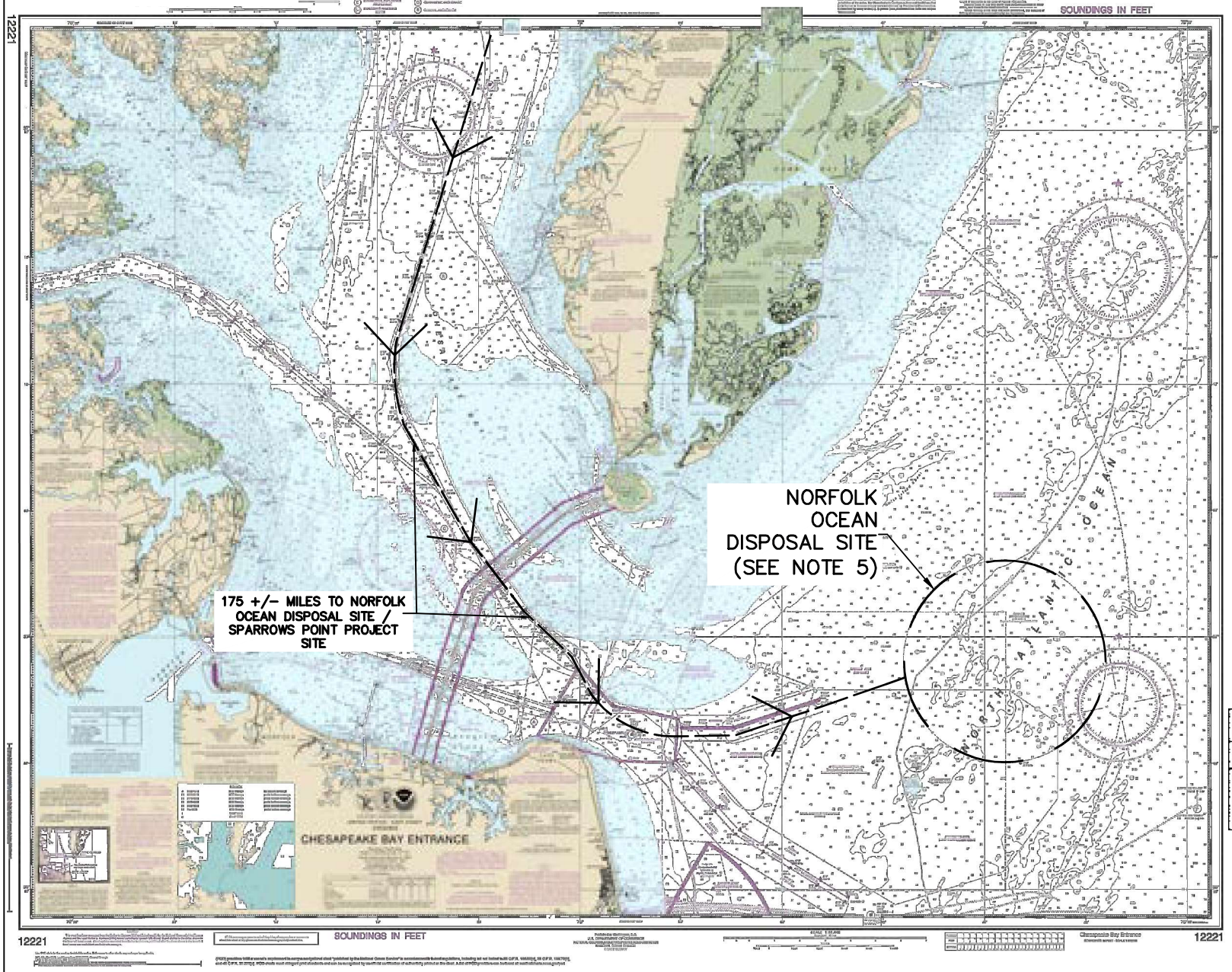
HATCH

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 TRADEPOINT

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