



STATE OF MARYLAND
DEPARTMENT OF THE ENVIRONMENT
WATER AND SCIENCE ADMINISTRATION
WATER QUALITY CERTIFICATION
26-WQC-0001



EFFECTIVE DATE: **August 24, 2026**

CERTIFICATION HOLDER: **Maryland Transportation Authority
300 Authority Drive
Dundalk, Maryland 21222
Attn: Zhihua Kuang**

PROJECT LOCATION: **William Preston Lane Jr. Memorial Bridge over Chesapeake Bay in
Anne Arundel and Queen Anne's Counties**

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 MARYLAND DEPARTMENT OF THE ENVIRONMENT (DEPARTMENT) HAS DETERMINED THAT THE REGULATED ACTIVITY DESCRIBED IN THE REQUEST FOR CERTIFICATION FOR THE BAY BRIDGE PROTECTION DESIGN-BUILD PROJECT ASSOCIATED WITH U.S. ARMY CORPS OF ENGINEERS (CORPS) AUTHORIZATION NAB-2025-61639-M43, WILL NOT VIOLATE MARYLAND'S WATER QUALITY STANDARDS, IF CONDUCTED IN ACCORDANCE WITH THE TERMS AND CONDITIONS OF THIS CERTIFICATION.

THIS CERTIFICATION IS HEREBY GRANTED WITH CONDITIONS. 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. THE CERTIFICATION HOLDER SHALL COMPLY WITH THE CONDITIONS LISTED BELOW.

PROJECT DESCRIPTION

Tracking Number: 202561639

Agency Interest Number: 24302

Construct sixteen 104.5-foot diameter cellular dolphins to protect Chesapeake Bay Bridge piers 24, 25, 26, 27, 32, and 33 within a maximum of 9,240 feet channelward of the mean high water line. The construction of the dolphins includes driving sheet piling and H-piles below the substrate of the Bay using vibratory and impact hammer methods to create a closed cell. Approximately 10,000 cubic yards of material will be mechanically dredged from each cell, and the closed structure will be filled with crushed stone. Approximately 160,000 total cubic yards of material will be dredged and 309,300 total cubic yards of crushed stone fill will be placed within all sixteen cellular dolphins. Install a maximum of 32 temporary composite test piles, consisting of an H-pile welded to a flat web sheet piling. The temporary pilings will be fully removed upon completion of testing.

This Water Quality Certification (Certification) is issued under authority of Section 401 of the Federal Water

Pollution Control Act and its Amendments, Title 9, Subtitle 3 of the Environment Article, and Code of Maryland Regulations (COMAR) 26.08.02.10. The Department has determined from a review of the request application file that the project activities described in the above will not violate Maryland's water quality standards, provided that the following conditions are satisfied. The Department satisfied statutory and regulatory public notice requirements by placing this WQC on Public Notice from April 1, 2026 to April 30, 2026 on the Department's Public Notice webpage and advertising in The Capital and The Record Observer on April 3, 2026.

SPECIAL CONDITIONS

1. The Certification Holder shall comply with all Critical Area requirements and obtain all necessary authorizations from local jurisdiction. 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 or 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 Certification 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. If the Certification Holder transports dredged material by trucks, the trucks shall be watertight and no dredged material shall be discharged onto the roadways of the State.
5. This Certification provides no justification or assurances for future dredging. All proposed dredging projects shall be evaluated on the biological and physical characteristics of the project site at the time an application is made. Water depths are acknowledged as existing and depicted on the attached plans dated August 12, 2026.
6. The Certification Holder shall submit a request for modification of Wetlands License 25-WL-1047 when the dredge disposal facility has been identified and an acceptance letter from the facility can be provided. The License must be subsequently modified prior to the commencement of any dredge work under this Certification to include the dredge disposal facility.
7. The Certification Holder shall submit final construction plans for the Department to review and approval prior to construction. Each plan submission shall include a brief summary of avoidance and

minimization efforts, or, for plans that have been previously reviewed by the Department, a summary of plan changes related to regulated resources. Modification of Wetlands License 25-WL-1047 may be required by the Department upon review.

8. The Certification Holder shall install appropriate hazard notification, visibility, and safety requirements on all temporary pilings, temporary structures, or monitoring devices in tidal waters.
9. To protect important aquatic species in tidal waters, pile driving activities are prohibited between January 15 and May 15 inclusive, of any year. Dredging and filling within the constructed closed cellular dolphin structures are not subject to this restriction period.
10. To minimize disturbance to waterfowl on the concrete islands supporting piers 23 and 28, construction of dolphin structures WPD-6 and EPD-6 is prohibited from April 1 through August 15 inclusive, of any year.
11. Tidal In-Water Construction Plan (TIWC Plan): No construction of the pier protection structures shall commence prior to the Department's approval of a TIWC Plan, which also includes the plan for noise management. The TIWC Plan shall be submitted for review and approved at least 30 days prior to the pier protection construction work authorized under this Certification. The Certification Holder shall implement and comply with the TIWC plan in accordance with the approved plan. The TIWC Plan shall ensure consistency with Certification conditions and water quality regulations. The TIWC Plan shall include detailed support for the implementation of appropriate practices to protect water quality, marine life, and estuarine habitat, and mitigation/recovery plans for unavoidable/unexpected impacts, and address the following at a minimum:
 - a. Modeling/Test Pile Study:
 - i. Include latest modeling results determining the underwater noise impacts of different pile driving methods and materials.
 - ii. Include information from modeling and/or test pile program that determines if simultaneously installing multiple piles would magnify the noise impact radius in areas where they overlap.
 - iii. Include detailed methods of confirming test pile study results.
 - b. Best Management Practices (BMPs): BMPs to protect marine life during construction such as a zone of safe fish passage, bubble curtains, and other applicable best management practices shall be developed in consultation with the Department and DNR and included in the TIWC Plan.
 - c. Hold Points:
 - i. The TIWC Plan shall stipulate conditions leading to "hold points," which would stop pile driving, or other in-water work injurious to marine life until coordination has occurred with DNR's Environmental Review Program.
 - ii. The Licensee shall submit a weekly report to the Department and DNR while in-water tidal construction activities are ongoing summarizing the work and documenting the total injured/killed fish, including species and size of all injured/killed fish, approximate location relative to where the pile driving or noise-generating activity was occurring, and time/date. A final report summarizing the fish kills associated with construction shall be submitted to the Department within 60 days of completion of the construction.
 - d. Compensation: The Certification Holder shall provide compensation for fish mortality. The Licensee shall provide payment into a Special Fund as designated by DNR. Monetary values associated with fish kills shall be evaluated in accordance with an approved Fish Mortality Mitigation Cost Table included as an Appendix to the TIWC Plan.
 - e. Approval/Modification:

- i. Construction plans for in-water work shall be submitted for review and receive approval from the Department prior to the start of construction for each plan set and shall follow the submittal requirements listed under Special Condition 8;
 - ii. The Certification Holder shall comply with all approved plans, best management practices, and avoidance measures, and the project shall comply with all relevant water quality standards listed in COMAR at all times;
 - iii. The TIWC Plan can only be modified upon approval by the Department.
12. A pre-construction meeting shall be held with the Department, MDE Compliance Program, the USACE, MDTA, other agency stakeholders as available, and MDTA's primary contractors and subcontractors to provide the opportunity for all to review and discuss the construction plans and license conditions. All meeting participants shall be notified of this meeting a minimum of 14 days prior to the date of the meeting.
13. The Certification Holder shall not allow debris or construction material to enter any tidal wetlands. The Licensee shall implement best management practices to minimize the quantity of material entering these waterways. The Certification Holder shall immediately remove all debris inadvertently introduced into tidal wetlands as a result of any construction activity. Debris shall be disposed of at an approved upland disposal site and in a manner that does not adversely impact surface or subsurface flow into or out of tidal wetlands.
14. The Certification Holder shall coordinate with the Department and Maryland Historical Trust (MHT) if project plans expand to new areas. All bottom disturbing activities must cease if a shipwreck or any potential archaeological resources (including finds of structural timbers, machinery, and glass, ceramic, metal, wood, leather, textile, bone, or stone artifacts) are found. Work shall not proceed within 50 meters (164 feet) of the discovery until written recommendations are provided by MHT.
15. Mitigation is required for impacts related to the permanent fill placed in State tidal wetlands in accordance with COMAR 26.24. The Certification Holder shall submit the Final Compensatory Mitigation Plan to MDE within 30 days of the submission of final construction plans as required in Special Condition 8. The Certification Holder shall implement the mitigation plan in accordance with the approved plan and schedule. Authorization for the proposed mitigation may be required by the Department upon review.

GENERAL CONDITIONS

1. The Certification Holder shall comply with all water quality-related performance standards and conditions required by the Department or the Board of Public Works (BPW) 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.
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. The Certification Holder shall obtain and comply with all additional authorizations or approvals, including self-certifying General Permits issued by the Department.

4. The Project shall be constructed and activities conducted in accordance with the final plan approved by the Department or BPW (or if Department or BPW approval is not required, then in accordance with the plan approved by the Corps), and its approved revisions (Approved Plan).
5. 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.
6. 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.
7. Structures and activities may not interfere with movement of aquatic life, fish, and other wildlife nor cause their entanglement.
8. The Certification Holder may not conduct activities which result in the introduction of non-native species with adverse effects on the aquatic ecosystem into waters or wetlands.
9. No stockpiles of any material shall be placed in Waters of the U.S. or state or private tidal wetlands. All fill and construction materials not used in the project shall be removed and disposed of in a manner approved by the Department which will prevent their entry into waters of this State.
10. Temporary construction trailers or structures, staging areas and stockpiles may not be located within tidal wetlands, nontidal wetlands, nontidal wetlands buffers, nontidal wetland expanded buffers, or the 100-year floodplain unless specifically included on the Approved Plan.
11. The Certification Holder shall adhere to the construction time of year restrictions, unless waived or amended by the Department or BPW, as identified in a state authorization.
12. The Certification Holder shall obtain and comply with an erosion and sediment control plan approved by the appropriate authority (if applicable), including following the stabilization requirements set forth in COMAR 26.17.01.07 and "2011 Maryland Standards and Specifications for Soil Erosion and Sediment Control," as may be amended for activities which result in an earth disturbance subject to the requirements in Annotated Code of Maryland, Environment Article, Title 4 and COMAR 26.17.01.
13. The disturbance of the bottom of the waterway and sediment transport into adjacent State waters shall be minimized.
14. The Certification Holder shall notify the Compliance Program at mde.wsacompliance@maryland.gov a minimum of 2 weeks prior to commencement of regulated activities and discharges.
15. The Certification Holder shall notify the Water and Science Administration, Wetlands and Waterways Protection Program, in writing, upon transferring property ownership or responsibility for compliance with these conditions to another person. The new owner/operator shall request, in writing, transfer of this Certification to his/her name.
16. The Certification Holder shall ensure that a copy of this Certification, including the Approved Plans, is available at the site until the authorized work is complete.
17. This Certification is valid for the project identified herein and the associated Corps authorization NAB-2025-61639-M43 until such time that the Corps authorization expires or is not administratively extended.

STATEMENTS OF NECESSITY AND CITATIONS

1. Statement of Necessity for General Conditions 1, 2, 3, 4, 10, and Special Conditions 1 and 3: 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 Condition 5: This condition is necessary to clarify the scope of this certification to ensure compliance with water quality regulations, without limiting restrictions through other requirements.

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 26.08.02.10E; COMAR 26.23.02.06; COMAR 26.17.04; COMAR 26.23; COMAR 26.24

3. Statement of Necessity for General Condition 6 and Special Condition 12: 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 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.

Citations: 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

4. Statement of Necessity for General Condition 7 and Special Conditions 9 and 11: Movement of aquatic life and passage of flows is essential for growth and propagation of aquatic life, fish, and other wildlife to meet these designated uses.

Citations: 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 26.08.02.02B(1)(d); COMAR 26.08.02.02B(2) - B(8); 26.08.02.03B(1)(b); 26.08.02.03B(2)(e); COMAR 26.17.01; COMAR 26.23.02.06A; COMAR 26.23; COMAR 26.17.04

5. Statement of Necessity for General Condition 8: Nuisance or non-native species may spread and disrupt and dislodge native species from their habitat, leading to declines in distribution, density, growth and propagation. This may result in failure to support native species; and growth, propagation of fish, other aquatic life, and wildlife. Limitations on loss will sustain habitat for a variety of aquatic species. The conditions ensure that discharges will not result in failure to support designated uses.

Citations: COMAR 26.08; COMAR 26.08.02.02.B(1)(d); COMAR 26.08.02.02B(2)(a); COMAR 26.08.02.02B(3)(b); COMAR 26.08.02B(4))(a); COMAR 26.08.02.02B(5); COMAR 26.08.02.02B(6)(a); COMAR 26.08.02.02B(7); COMAR 26.08.02.02B(8)(a); COMAR 26.08.02.03B(1)(b); COMAR 26.08.02.03B(2)(e); COMAR 26.23.02.06A; COMAR 26.23; COMAR 26.17.04

6. Statement of Necessity for General Conditions 9, 10, 12, and Special Conditions 7, 11, and 13: Fill or construction material within or adjacent to regulated resources 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.

Citations: 26.08.02.03B(1)-B(2); COMAR 26.08.02.03-3; COMAR 26.23; COMAR 26.24; COMAR 26.17.04

7. Statement of Necessity for General Condition 11 and Special Condition 9: The growth and propagation of fish, other aquatic life, and wildlife and support of estuarine and marine aquatic life and shellfish harvesting are dependent upon certain times during the year and specific environmental conditions. The condition is necessary to ensure that activities are restricted during the critical growth, propagation, movement, and harvesting periods to ensure that designated uses will be met.

Citations: Md. Ann. Code, Env. Article, Title 9, Subtitle 3; Md. Ann. Code, Env. Article, Title 16; COMAR 26.08; COMAR 26.08.02.02B(1)(d); COMAR 26.08.02.02B(2)(a); COMAR 26.08.02.02B(3); COMAR 26.08.02.02B(4)(a); COMAR 26.08.02.02B(5); COMAR 26.08.02.02B(6)(a); COMAR 26.08.02.02B(7); COMAR 26.08.02.02B(8)(a); COMAR 26.08.02.03B(1)(b); COMAR 26.08.02.03B(2)(e)

8. Statement of Necessity for General Condition 13: Restrictions on instream construction are necessary to protect designated uses for propagation and growth of fish, other aquatic life, and wildlife and comply with numeric water quality standards for turbidity and clarity.

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 26.08.02.03-3.D; COMAR 26.23.02.06; COMAR 26.08.02.02B(1)(d); COMAR 26.08.02.02B(2)(a); COMAR 26.08.02.02B(3); COMAR 26.08.02.02B(4)(a); COMAR 26.08.02.02B(5); COMAR 26.08.02.02B(6)(a); COMAR 26.08.02.02B(7); COMAR 26.08.02.02B(8)(a); COMAR 26.08.02.03B(1)(b); COMAR 26.08.02.03B(2)(e); COMAR 26.08.02.03-3.

9. Statement of Necessity for General Condition 14: The condition is necessary to ensure that Compliance personnel are aware of when discharges are taking place so that an inspection can be undertaken to ensure that water quality standards are met.

Citation: MD Env Code § 1-301 (2019)

10. Statement of Necessity for General Condition 15: In order to ensure that water quality standards will be met and conditions followed, a responsible party must be identified for accountability if needed. A change in ownership or other responsibility must be indicated as the new Certification Holder.

Citations: COMAR 26.08.02.10E(2)

11. Statement of Necessity for General Condition 16: This condition ensures that the Certification Holder and persons conducting work have the certification on the site for referral so that approved discharges will not result in violations of water quality standards.

Citations: 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, 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 26.24; COMAR 26.08.02.01E(2); COMAR 26.23.02.06; COMAR 26.17.01; COMAR 26.23;

12. Statement of Necessity for General Condition 17: 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

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

Citations: Federal and state laws which authorize this condition include but are not limited to: 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

14. Statement of Necessity for Special Conditions 4, 6, and 7: Unauthorized discharges may enter regulated waters as result of activity or structural failure. A plan to address inadvertent discharges will prevent or address further violations of water quality standards and failure of water to meet designated uses, including 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.

Citations: Federal and state laws which authorize this condition include but are not limited to: COMAR 26.08.02.02B(1)d; COMAR 26.08.02.02B(3); COMAR 26.08.02.03B(1) and B(2); 26.08.02.01B(2); 26.08.02.02B(1)

15. Statement of Necessity for Special Condition 5: The condition is necessary to ensure that discharges associated with dredging result in water depths which are appropriate to support designated uses of fishing and water contact recreation 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 interferes with designated uses.

Citations: Federal and state laws which authorize this condition include but are not limited to: COMAR 26.08.02.01B(2); COMAR 26.08.02.02B(1); 26.08.02.02B(3); COMAR 26.08.02.03B

16. Statement of Necessity for Special Conditions 7 and 11: 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: Federal and state laws which authorize this condition include but are not limited to: 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

17. Statement of Necessity for Special Condition 8: Structures that are not clearly visible can interfere with designated uses for recreation. Temporary structures that are not properly marked can result in pieces of the structure discharging to navigable waters. The conditions are necessary to ensure that structures do not result in additional discharges that would violate water quality standards and designated uses for water clarity, turbidity, growth, and propagation of fish, other aquatic life, wildlife, and recreation. The condition is necessary to ensure that the discharge will not interfere with designated uses for water contact recreation and fishing nor create a nuisance.

Citations: Federal and state laws which authorize this condition include but are not limited to: COMAR 26.08.02.02B(1)(d); COMAR 26.08.02.02B(3); COMAR 26.08.02.03B; COMAR 26.08.02.01B(1) & B(2); COMAR 26.08.02.03B(1)(a); COMAR 26.08.02.03B(2)(d)

18. Statement of Necessity for Special Condition 9 and 10: A time-of-year restriction is necessary to protect migratory fish species between January 15 and May 15 to find suitable spawning habitat. 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: Federal and state laws which authorize this condition include but are not limited to: 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

19. Statement of Necessity for Special Condition 11: A hold point for agency coordination, adaptive management, reporting, and compensation is necessary to protect migratory and resident fish, mammals, and aquatic life; and offset the loss of these species by providing compensation due to unavoidable impacts or alteration of the designated uses.

Citations: Federal and state laws which authorize this condition include but are not limited to: 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

20. Statement of Necessity for Special Condition 11 and 15: 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: 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 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; COMAR 26.23.02.06; COMAR 26.24

21. Statement of Necessity for Special Condition 14: The condition is necessary to ensure that discharges which result from disturbance of the bottom will comply with water quality standards and not interfere with, nor harm, the designated use for water contact recreation associated with underwater diving among archeological artifacts.

Citations: Federal and state laws which authorize this condition include but are not limited to: COMAR 26.08.02.02B(3) and COMAR 28.08.02.02B(1)(a)-(b)

CERTIFICATION APPROVED



Heather L. Nelson, Program Manager
Wetlands and Waterways Protection Program
Water and Science Administration

Effective Date: August 24, 2026

Enclosure: Plan Sheets dated August 12, 2026

cc: WSA Inspection & Compliance Program
U.S. Army Corps of Engineers



LEGEND

- Distance Line
- Limit of Work
- Dolphin Cells

NOT FOR CONSTRUCTION

BB-3023 BAY BRIDGE
PROTECTION PROJECT
ANNE ARUNDEL COUNTY
WATERS OF THE US IMPACT PLATES



AI# 24302

FEBRUARY 2026



0 2,000 4,000 FT

SCALE: 1 IN = 2,500 FT

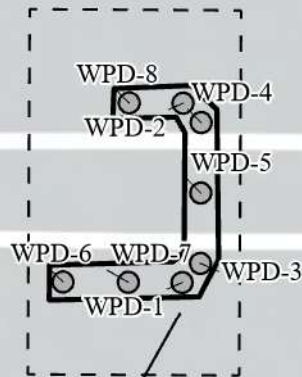
wsp

WSP USA, Inc.
1 EAST PRATT STREET SUITE 300
BALTIMORE, MD 21202
(410) 727-5030

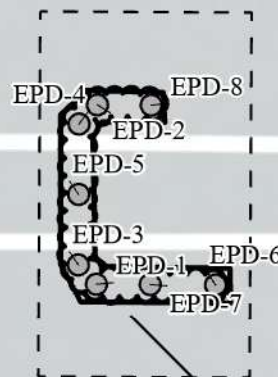
CHANNELWARD
EXTENT SHEET

CHESAPEAKE BAY

William Preston Lane Jr Memorial Bridge



APPROXIMATE LOCATION OF BRIDGE PROTECTION SYSTEM, WEST SIDE



APPROXIMATE LOCATION OF BRIDGE PROTECTION SYSTEM, EAST SIDE

CHESAPEAKE BAY

25-WL-1047 & 26-WQC-0001

202561639

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8/12/2026

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Note: All temporary impacts caused by spudding used to maintain construction barges in place will remain within the Limit of Work.

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COVER SHEET LEGEND

 Dolphin Cells

 Limit of Work

 Bridge Protection System

NOT FOR CONSTRUCTION

BB-3023 BAY BRIDGE
PROTECTION PROJECT
ANNE ARUNDEL COUNTY
WATERS OF THE US IMPACT PLATES



PERMIT TRACKING #: 202561639 / 25-WL-1047

JULY 2026



0 1,000 2,000 FT

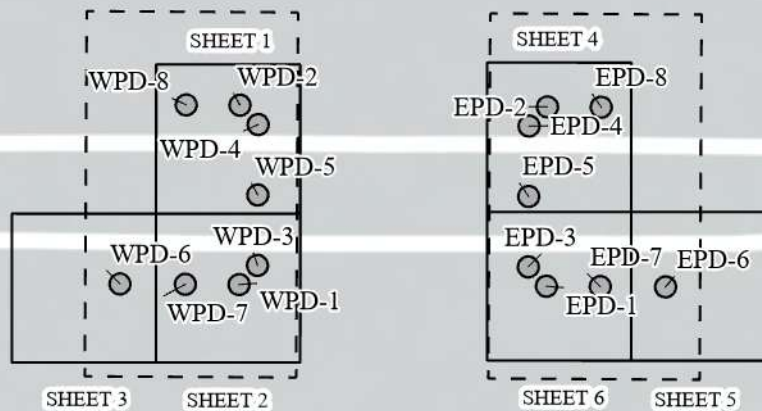
SCALE: 1 IN = 1,000 FT

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BALTIMORE, MD 21202
(410) 727-5030

COVER SHEET

CHESAPEAKE BAY

William Preston Lane Jr Memorial Bridge



CHESAPEAKE BAY

25-WL-1047 & 26-WQC-0001

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COVER SHEET LEGEND

 Sheet Extents

 Dolphin Cells

 Limit of Work

NOT FOR CONSTRUCTION

BB-3023 BAY BRIDGE
PROTECTION PROJECT
ANNE ARUNDEL COUNTY
WATERS OF THE US IMPACT PLATES



PERMIT TRACKING #: 202561639 / 25-WL-1047

JULY 2026



 FT
0 1,000 2,000

SCALE: 1 IN = 1,000 FT

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(410) 727-5030

COVER SHEET

LEGEND

EXISTING CONDITIONS

-  Piers
-  Major Contour
-  Minor Contour

PROPOSED CONDITIONS

-  Dolphin Caps
-  Limit of Work

IMPACTS LEGEND

-  Dolphin Cells

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BB-3023 BAY BRIDGE
PROTECTION PROJECT
ANNE ARUNDEL COUNTY
WATERS OF THE US IMPACT PLATES



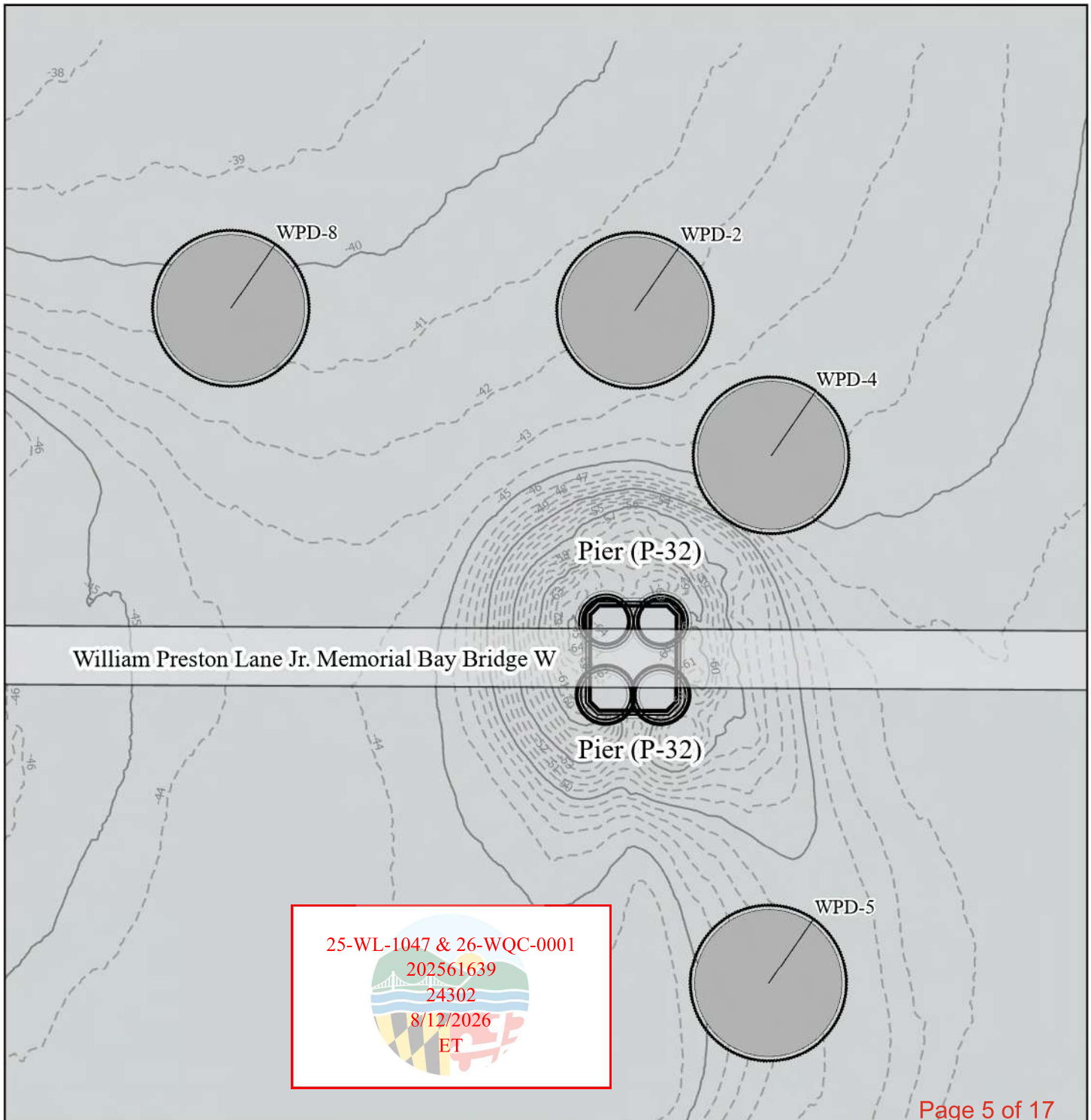
AI# 24302

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1 EAST PRATT STREET SUITE 300
BALTIMORE, MD 21202
(410) 727-5010

FEBRUARY 2026

LEGEND SHEET



SHEET 1 IMPACTS:

Number of Dolphins	Total Waters of the U.S. Permanent Impacts
4	34,308 SF

BB-3023 BAY BRIDGE
PROTECTION PROJECT
ANNE ARUNDEL COUNTY
WATERS OF THE US IMPACT PLATES



AI# : 24302

JULY 2026



0 50 100 FT

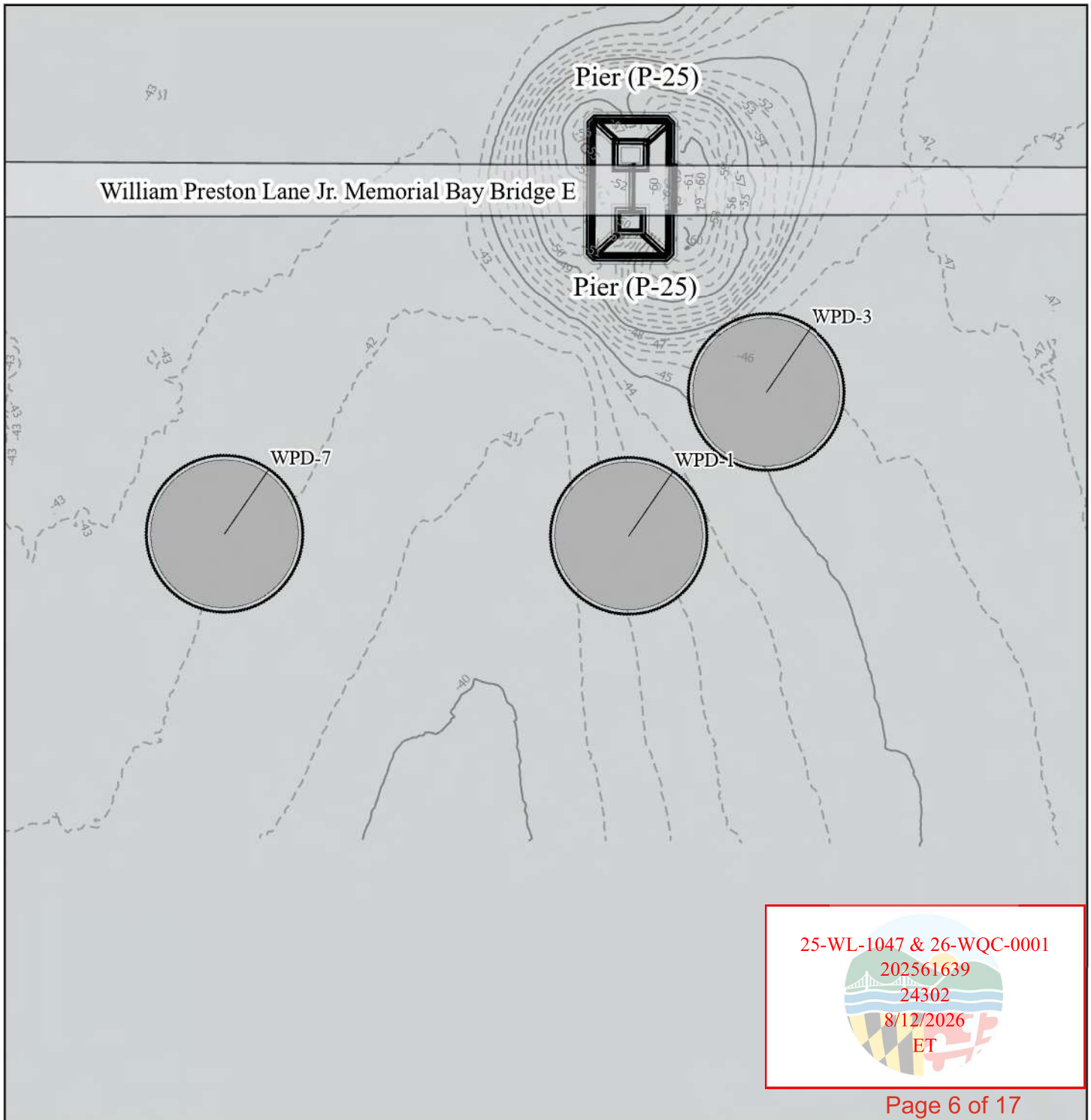
wsp
WSP USA Inc.
1 EAST PRATT STREET SUITE 300
BALTIMORE, MD 21202
(410) 727-5000

SCALE: 1" = 100'

SHEET NO: 1 OF 6

Notes:

(1) Each dolphin cell constitutes approximately 8577 square feet of permanent impact.



SHEET 2 IMPACTS:

Number of Dolphins	Total Waters of the U.S. Permanent Impacts
3	25,731 SF

BB-3023 BAY BRIDGE
 PROTECTION PROJECT
 ANNE ARUNDEL COUNTY
 WATERS OF THE US IMPACT PLATES



AI# : 24302

JULY 2026



0 50 100 FT



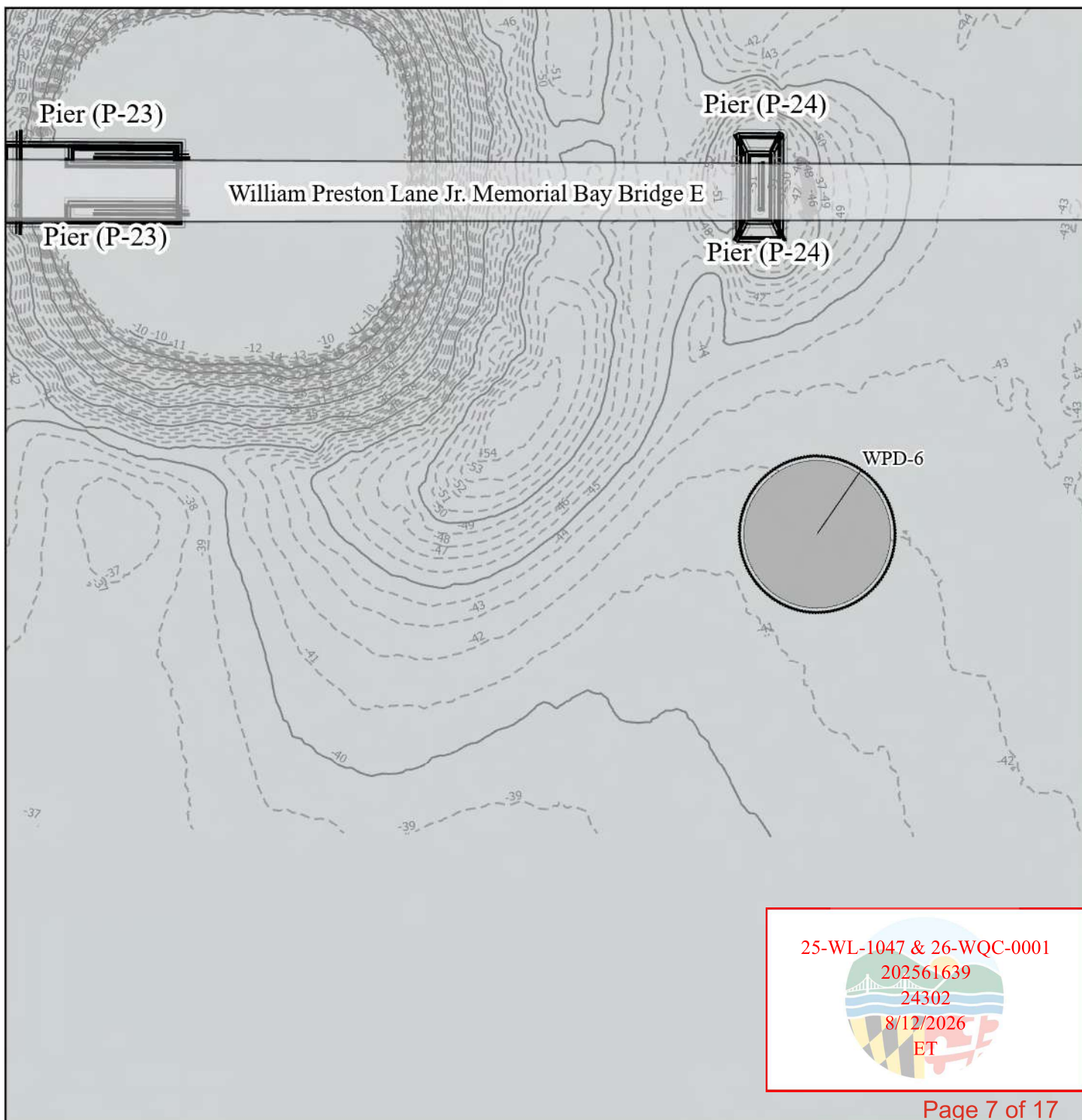
WSP USA Inc.
 1 EAST PRATT STREET SUITE 300
 BALTIMORE, MD 11202
 (410) 727-5000

SCALE: 1" = 100'

SHEET NO: 2 OF 6

Notes:

(1) Each dolphin cell constitutes approximately 8577 square feet of permanent impact.



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SHEET 3 IMPACTS:

Number of Dolphins	Total Waters of the U.S. Permanent Impacts
1	8,577 SF

BB-3023 BAY BRIDGE
PROTECTION PROJECT
ANNE ARUNDEL COUNTY
WATERS OF THE US IMPACT PLATES



AI# : 24302

JULY 2026



0 50 100 FT

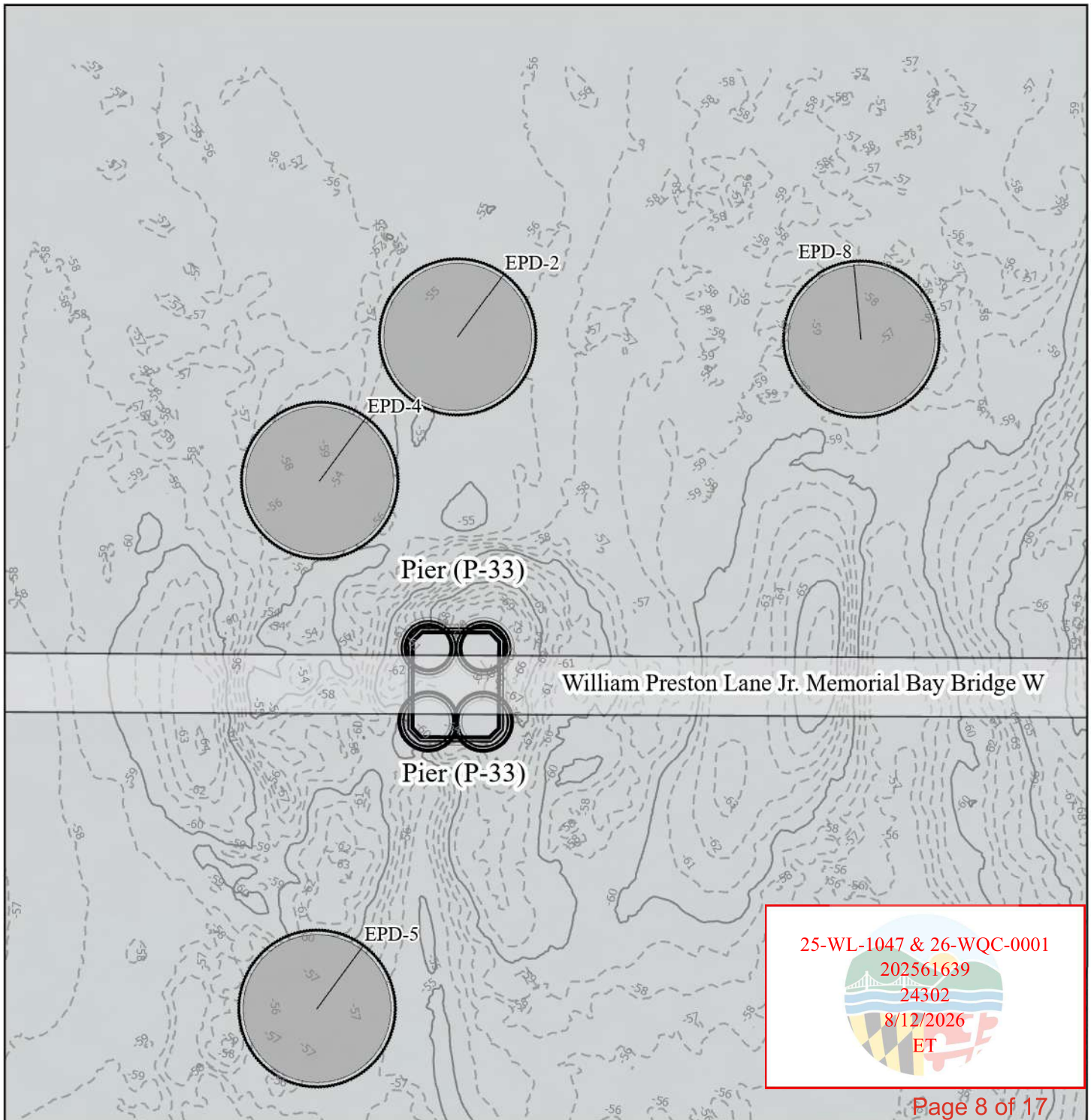
wsp
WSP USA Inc
1 EAST PRATT STREET SUITE 300
BALTIMORE, MD 11202
(410) 727-5000

SCALE: 1" = 100'

SHEET NO: 3 OF 6

Notes:

(1) Each dolphin cell constitutes approximately 8577 square feet of permanent impact.



SHEET 4 IMPACTS:

Number of Dolphins	Total Waters of the U.S. Permanent Impacts
4	34,308 SF

BB-3023 BAY BRIDGE
PROTECTION PROJECT
ANNE ARUNDEL COUNTY
WATERS OF THE US IMPACT PLATES



AI# : 24302

JULY 2026



0 50 100 FT

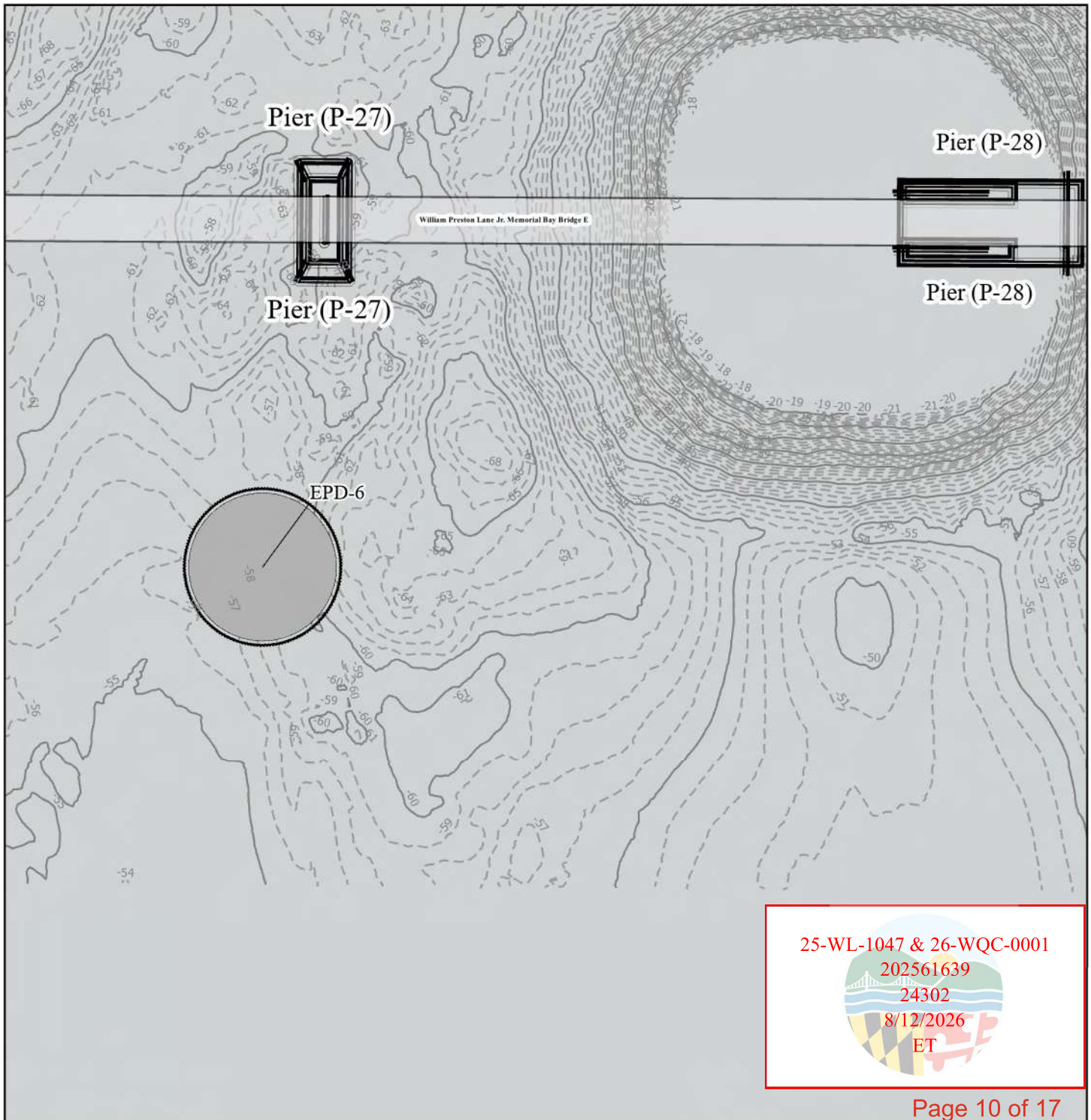
wsp
WSP USA Inc
1 EAST PRATT STREET SUITE 300
BALTIMORE, MD 11202
(410) 727-5000

SCALE: 1" = 100'

SHEET NO: 4 OF 6

Notes:

(1) Each dolphin cell constitutes approximately 8577 square feet of permanent impact.



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SHEET 6 IMPACTS:

Number of Dolphins	Total Waters of the U.S. Permanent Impacts
1	8,577 SF

BB-3023 BAY BRIDGE
PROTECTION PROJECT
ANNE ARUNDEL COUNTY
WATERS OF THE US IMPACT PLATES



AI# : 24302

JULY 2026



0 50 100 FT

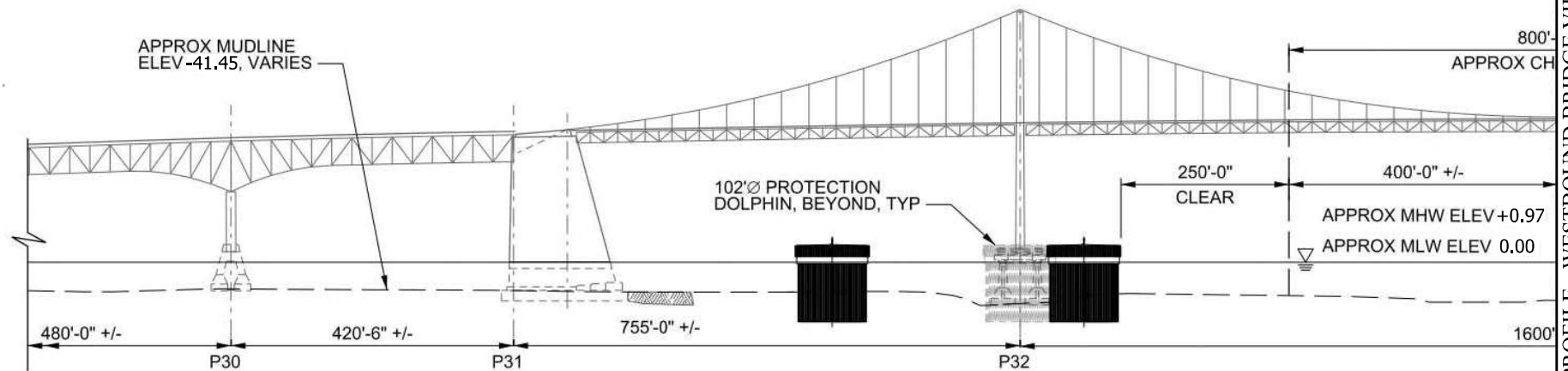
wsp
WSP USA Inc
1 EAST PRATT STREET SUITE 300
BALTIMORE, MD 11202
(410) 727-5000

SCALE: 1" = 100'

SHEET NO: 6 OF 6

Notes:

(1) Each dolphin cell constitutes approximately 8577 square feet of permanent impact.



ELEVATION - WESTBOUND BRIDGE - LOOKING NORTH

25-WL-1047 & 26-WQC-0001

202561639

24302

8/12/2026

ET

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MATCHLINE TO PROFILE - WESTBOUND BRIDGE VIEW - SHEET 2

MLW Referenced at 0.0	
MHHW	1.21
MHW	0.97
NAVD88	0.55
MSL	0.5
DTL	0.5
MLW	0
MLLW	-0.22

NOTES:
1. UNSUITABLE MATERIAL WITHIN FOOTPRINT OF DOLPHIN SHALL BE REMOVED BY DREDGING AND REPLACED BY GRANULAR FILL.
2. ALTERNATIVELY, UNSUITABLE MATERIAL MAY BE IMPROVED IN-PLACE USING APPROVED METHODS, PROVIDED THAT REQUIRED MATERIAL PERFORMANCE CHARACTERISTICS ARE ACHIEVED.

NOT FOR CONSTRUCTION

BB-3023 BAY BRIDGE
PROTECTION PROJECT
ANNE ARUNDEL COUNTY
WATERS OF THE US IMPACT PLATES



PERMIT TRACKING #: 202561639 / 25-WL-1047

MAY 2026



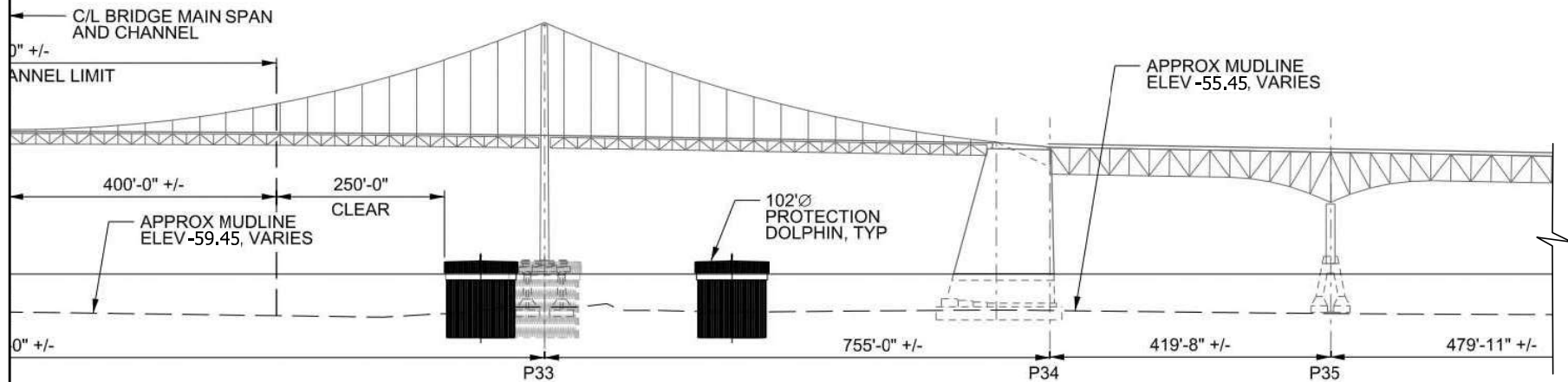
0 250 500 FT

SCALE: 1 IN = 250 FT

wsp

WSP USA Inc.
100 LIGHT STREET, SUITE 1000
BALTIMORE, MD 21202

PROFILE- WESTBOUND
BRIDGE VIEW - SHEET 1



ELEVATION - WESTBOUND BRIDGE - LOOKING NORTH

25-WL-1047 & 26-WQC-0001

202561639

24302

8/12/2026

ET

MLW Referenced at 0.0

MHHW	1.21
MHW	0.97
NAVD88	0.55
MSL	0.5
DTL	0.5
MLW	0
MLLW	-0.22

NOTES:

1. UNSUITABLE MATERIAL WITHIN FOOTPRINT OF DOLPHIN SHALL BE REMOVED BY DREDGING AND REPLACED BY GRANULAR FILL.
2. ALTERNATIVELY, UNSUITABLE MATERIAL MAY BE IMPROVED IN-PLACE USING APPROVED METHODS, PROVIDED THAT REQUIRED MATERIAL PERFORMANCE CHARACTERISTICS ARE ACHIEVED.

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BB-2023 BAY BRIDGE
PROTECTION PROJECT
ANNE ARUNDEL COUNTY
WATERS OF THE US IMPACT PLATES



PERMIT TRACKING #: 202561639 / 25-WL-1047

MAY 2026



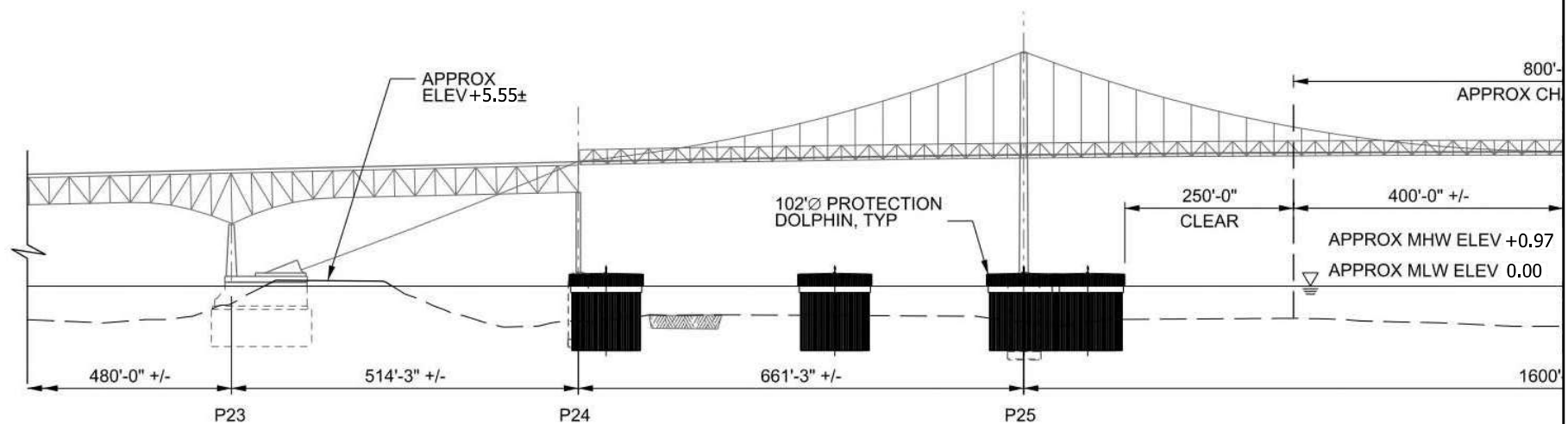
0 250 500 FT

SCALE: 1 IN = 250 FT

wsp

WSP USA Inc.
100 LIGHT STREET, SUITE 1000
BALTIMORE, MD 21202

PROFILE- WESTBOUND
BRIDGE VIEW - SHEET 2



ELEVATION - EASTBOUND BRIDGE - LOOKING NORTH

25-WL-1047 & 26-WQC-0001

202561639

24302

8/12/2026

ET

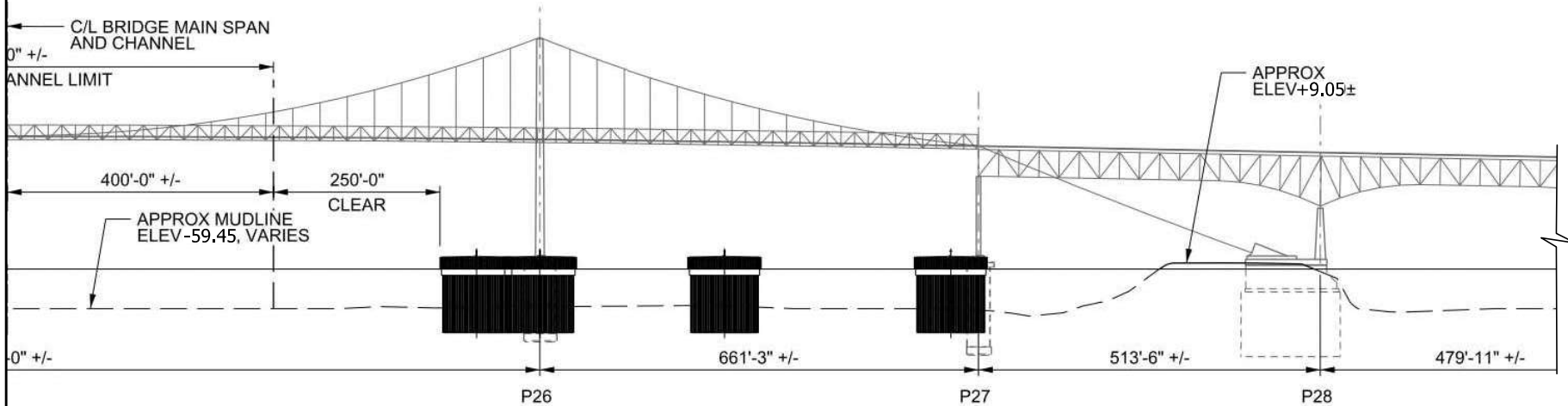
MATCHLINE TO PROFILE - EASTBOUND BRIDGE VIEW - SHEET 2

MLW Referenced at 0.0	
MHHW	1.21
MHW	0.97
NAVD88	0.55
MSL	0.5
DTL	0.5
MLW	0
MLLW	-0.22

NOTES:
 1. UNSUITABLE MATERIAL WITHIN FOOTPRINT OF DOLPHIN SHALL BE REMOVED BY DREDGING AND REPLACED BY GRANULAR FILL.
 2. ALTERNATIVELY, UNSUITABLE MATERIAL MAY BE IMPROVED IN-PLACE USING APPROVED METHODS, PROVIDED THAT REQUIRED MATERIAL PERFORMANCE CHARACTERISTICS ARE ACHIEVED.

NOT FOR CONSTRUCTION

BB-3023 BAY BRIDGE PROTECTION PROJECT ANNE ARUNDEL COUNTY WATERS OF THE US IMPACT PLATES		
PERMIT TRACKING #: 202561639 / 25-WL-1047	MAY 2026	
SCALE: 1 IN = 250 FT		WSP USA Inc. 100 LIGHT STREET, SUITE 1000 BALTIMORE, MD 21202
PROFILE - EASTBOUND BRIDGE VIEW - SHEET 1		



ELEVATION - EASTBOUND BRIDGE - LOOKING NORTH

25-WL-1047 & 26-WQC-0001

202561639

24302

8/12/2026

ET

MLW Referenced at 0.0	
MHHW	1.21
MHW	0.97
NAVD88	0.55
MSL	0.5
DTL	0.5
MLW	0
MLLW	-0.22

NOTES:

1. UNSUITABLE MATERIAL WITHIN FOOTPRINT OF DOLPHIN SHALL BE REMOVED BY DREDGING AND REPLACED BY GRANULAR FILL.
2. ALTERNATIVELY, UNSUITABLE MATERIAL MAY BE IMPROVED IN-PLACE USING APPROVED METHODS, PROVIDED THAT REQUIRED MATERIAL PERFORMANCE CHARACTERISTICS ARE ACHIEVED.

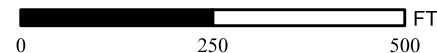
NOT FOR CONSTRUCTION

BB-3023 BAY BRIDGE
PROTECTION PROJECT
ANNE ARUNDEL COUNTY
WATERS OF THE US IMPACT PLATES



PERMIT TRACKING #: 202561639 / 25-WL-1047

MAY 2026

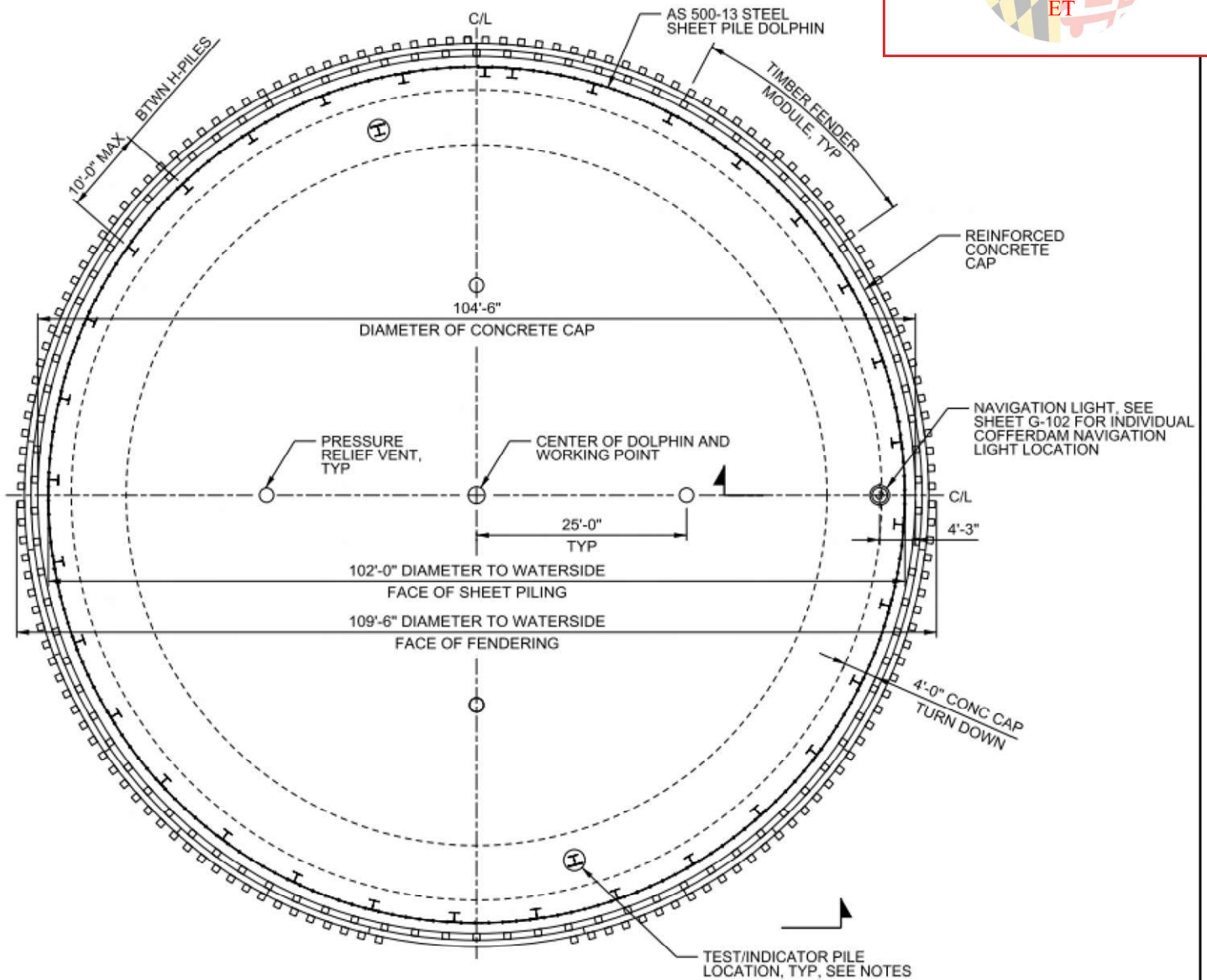


SCALE: 1 IN = 250 FT

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100 LIGHT STREET, SUITE 1000
BALTIMORE, MD 21202

PROFILE - EASTBOUND
BRIDGE VIEW - SHEET 2



MLW Referenced at 0.0	
MHHW	1.21
MHW	0.97
NAVD88	0.55
MSL	0.5
DTL	0.5
MLW	0
MLLW	-0.22

NOTES:

1. TEST / INDICATOR PILES MUST BE LOCATED WITHIN THE FOOTPRINT OF THE PROPOSED DOLPHIN LOCATION, BUT MAY BY OTHERWISE PROVIDED IN A LOCATION DETERMINED BY THE CONTRACTOR.
2. ALL TEST / INDICATOR PILES MUST BE REMOVED IN THEIR ENTIRETY AT THE COMPLETION OF THE PROGRAM, AND NO TEST INDICATOR PILES MAY BE ABANDONED IN PLACE. UNATTENDED PILES REQUIRE MARKING AS A NAVIGATION HAZARD.

BB-3023 BAY BRIDGE
PROTECTION PROJECT
ANNE ARUNDEL COUNTY
WATERS OF THE US IMPACT PLATES



PERMIT TRACKING #: 202561639 / 25-WL-1047

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BALTIMORE, MD 21202

MAY 2026

DOLPHIN PLAN VIEW - TYPICAL
SECTION

NOT FOR CONSTRUCTION

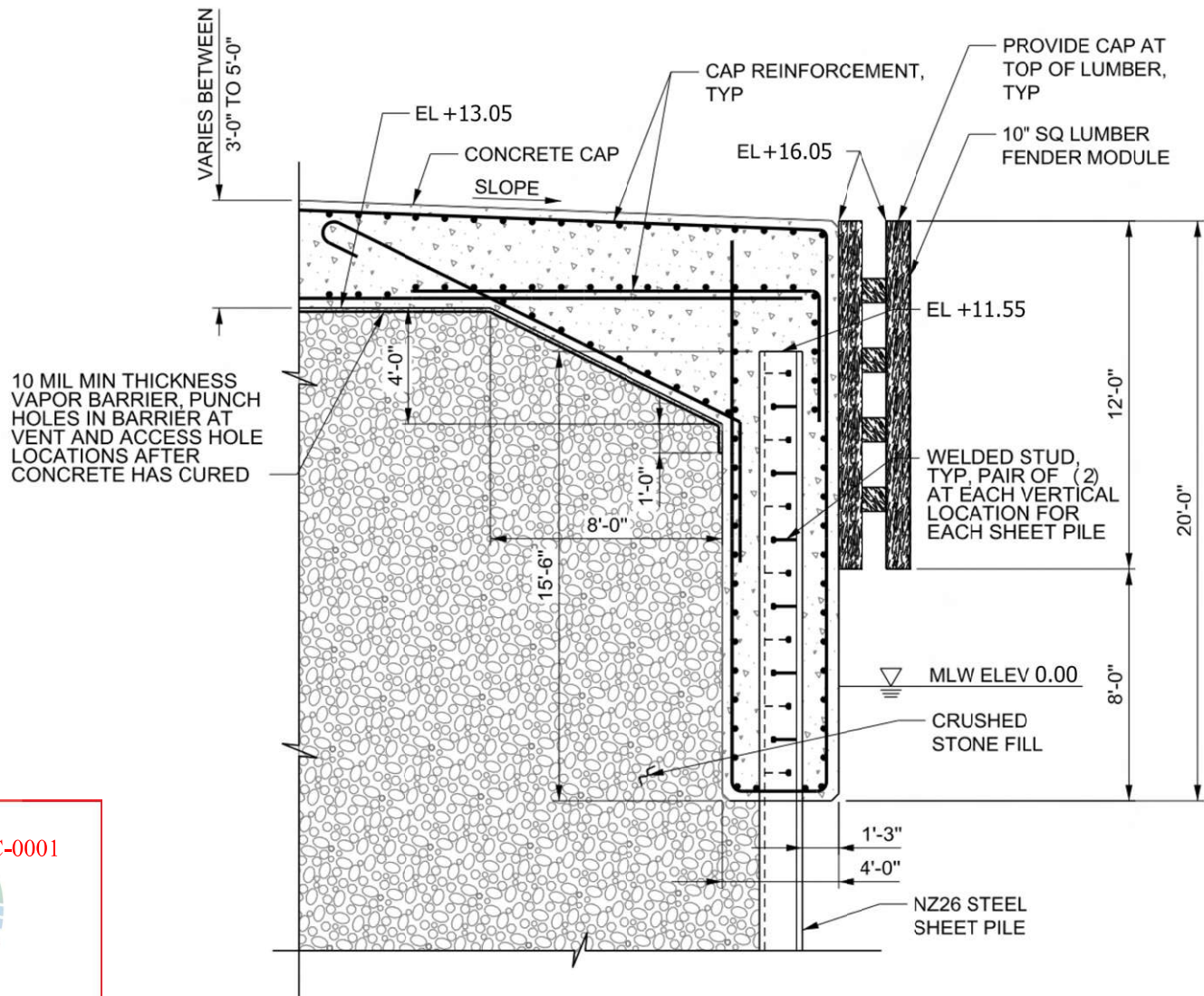
25-WL-1047 & 26-WQC-0001

202561639

24302

8/12/2026

ET



MLW Referenced at 0.0	
MHHW	1.21
MHW	0.97
NAVD88	0.55
MSL	0.5
DTL	0.5
MLW	0
MLLW	-0.22

NOT FOR CONSTRUCTION

BB-3023 BAY BRIDGE PROTECTION PROJECT

ANNE ARUNDEL COUNTY

WATERS OF THE US IMPACT PLATES

PERMIT TRACKING #: 202561639 / 25-WL-1047

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BALTIMORE, MD 21202

MAY 2026

DOLPHIN SECTION VIEW - TYPICAL SECTION

