



Initial Review: _____
Updated On: _____
Complete: _____
Official Use Only

Coastal Zone Management Act Federal Consistency Form

This document provides the Delaware Coastal Management Program (DCMP) with a Federal Consistency Determination or Certification for activities regulated under the Coastal Zone Management Act of 1972, as amended, and NOAA's Federal Consistency Regulations, 15 C.F.R. Part 930. Federal agencies and other applicants for federal consistency are not required to use this form; it is provided to applicants to facilitate the submission of a Consistency Determination or Consistency Certification. In addition, federal agencies and applicants are only required to provide the information required by NOAA's Federal Consistency Regulations.

Project/Activity Name: _____

I. Federal Agency or Non-Federal Applicant Contact Information:

Contact Name/Title: _____

Federal Agency Contractor Name (if applicable): _____

Federal Agency: _____
(either the federal agency proposing an action or the federal agency issuing a federal license/permit or financial assistance to a non-federal applicant)

Mailing Address: _____

City: _____ State: _____ Zip Code: _____

E-mail: _____ Telephone #: _____

II. Federal Consistency Category:

Federal Activity or Development Project
(15 C.F.R. Part 930, Subpart C)

Federal License or Permit Activity
(15 C.F.R. Part 930, Subpart D)

Outer Continental Shelf Activity
(15 C.F.R. Part 930, Subpart E)

Federal License or Permit Activity which occurs
wholly in another state (interstate consistency
activities identified in DCMP's Policy document)

Federal Financial Assistance
(15 C.F.R. Part 930, Subpart F)

III. Detailed Project Description (attach additional sheets if necessary):

IV. General Analysis of Coastal Effects (attach additional sheets if necessary):

V. Detailed Analysis of Consistency with DCMP Enforceable Policies (attach additional sheets if necessary):

Policy 5.1: Wetlands Management

Policy 5.2: Beach Management

Policy 5.3: Coastal Waters Management (includes wells, water supply, and stormwater management. Attach additional sheets if necessary)

Policy 5.4: Subaqueous Land and Coastal Strip Management

Policy 5.5: Public Lands Management

Policy 5.6: Natural Lands Management

Policy 5.7: Flood Hazard Areas Management

Policy 5.8: Port of Wilmington

Policy 5.9: Woodlands and Agricultural Lands Management

Policy 5.10: Historic and Cultural Areas Management

Policy 5.11: Living Resources

Policy 5.12 Mineral Resources Management

Policy 5.13: State Owned Coastal Recreation and Conservation

Policy 5.14: Public Trust Doctrine

Policy 5.15: Energy Facilities

Policy 5.16: Public Investment

Policy 5.17: Recreation and Tourism

Policy 5.18: National Defense and Aerospace Facilities

Policy 5.19: Transportation Facilities

Policy 5.20: Air Quality Management

Policy 5.21: Water Supply Management

Policy 5.22: Waste Disposal Management

Policy 5.23: Development

Policy 5.24: Pollution Prevention

Policy 5.25: Coastal Management Coordination

VI. JPP and RAS Review (Check all that apply):

Has the project been reviewed in a monthly Joint Permit Processing and/or Regulatory Advisory Service meeting?

JPP

RAS

None

*If yes, provide the date of the meeting(s): _____

VII. Statement of Certification/Determination and Signature (Check one and sign below):

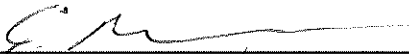
FEDERAL AGENCY CONSISTENCY DETERMINATION. Based upon the information, data, and analysis included herein, the federal agency, or its contracted agent, listed in (I) above, finds that this proposed activity is consistent to the maximum extent practicable with the enforceable policies of the Delaware Coastal Management Program.

OR

FEDERAL AGENCY NEGATIVE DETERMINATION. Based upon the information, data, and analysis included herein, the federal agency, or its contracted agent, listed in (I) above, finds that this proposed activity will not have any reasonably foreseeable effects on Delaware's coastal uses or resources (Negative Determination) and is therefore consistent with the enforceable policies of the Delaware Coastal Management Program.

OR

NON-FEDERAL APPLICANT'S CONSISTENCY CERTIFICATION. Based upon the information, data, and analysis included herein, the non-federal applicant for a federal license or permit, or state or local government agency applying for federal funding, listed in (I) above, finds that this proposed activity complies with the enforceable policies of the Delaware Coastal Management Program and will be conducted in a manner consistent with such program.

Signature:		
Printed Name:	Ed Moran	Date: 4/19/23

Pursuant to 15 C.F.R. Part 930, the Delaware Coastal Management Program must provide its concurrence with or objection to this consistency determination or consistency certification in accordance with the deadlines listed below. Concurrence will be presumed if the state's response is not received within the allowable timeframe.

Federal Consistency Review Deadlines:

Federal Activity or Development Project (15 C.F.R. Part 930, Subpart C)	60 days with option to extend an additional 15 days or stay review (15 C.F.R. § 930.41)
Federal License or Permit (15 C.F.R. Part 930, Subpart D)	Six months, with a status letter at three months. The six month review period can be stayed by mutual agreement. (15 C.F.R. § 930.63)
Outer Continental Shelf Activity (15 C.F.R. Part 930, Subpart E)	Six months, with a status letter at three months. If three month status letter not issued, then concurrence presumed. The six month review period can be stayed by mutual agreement. (15 C.F.R. § 930.78)
Federal Financial Assistance to State or Local Governments (15 C.F.R. Part 930, Subpart F)	State Clearinghouse schedule

OFFICIAL USE ONLY:

Reviewed By:	Fed Con ID:	Date Received:
Public notice dates:	to	Comments Received: <input type="checkbox"/> NO <input type="checkbox"/> YES <i>[attach comments]</i>
Decision type: <small>(objections or conditions attach details)</small>	Decision Date:	

DETAILED PROJECT DESCRIPTION

Fort Mott was part of the Harbor Defenses of the Delaware whose construction was started in 1872. As part of construction, an approximate 1,350-foot long seawall running along the shoreline was constructed. The original seawall was a stone masonry wall and later repairs included adding a concrete facing. This seawall provides shoreline protection against heavy erosion caused by the Delaware River and tidal fluctuation. However, the majority of seawall is deteriorating, resulting in areas of loose and/or displaced stone masonry, and defective and undermined concrete-faced wall sections. Failure of the seawall not only compromises the shoreline protection, but also threatens the rest of the historical Harbor Defense. Therefore, it is essential to implement a comprehensive rehabilitation.

A majority of the seawall has experienced different degrees of erosion at the base, leading to undermining of the wall. Therefore, a short sheet pile wall will be installed approximately 5 feet from the base of the existing seawall. The 5-foot clearance is necessary to limit the potential of encountering any original timber cribbing or pile foundation obstructions during sheet pile installation. After the installation of the sheet pile wall, the undermined voids at the base of the seawall and the space between the above grade part of the sheet pile and the face of the seawall will be filled with approximately 500 cubic yards of concrete. This will produce a durable concrete apron which will protect the base of the wall and increase the wall stability. To reduce the potential toe erosion and cover the exposed face of the sheet pile wall, approximately 710 cubic yards of riprap will be placed at the waterside of the installed sheet pile.

The new sheet pile wall and concrete apron will extend along the entire length of the wall with a local change at the sluice pipe inlet to facilitate the installation of the proposed tidegate and gate transition box described below.

Rehabilitation of the existing exposed seawall face will vary according to the existing conditions of the seawall. For the seawall sections with exposed stone faces, the repairs will include resetting the dislodged or fallen stones, stitching and tying stones using steel ties and/or dowels, and pointing/repointing joints between stones. For the seawall sections with a concrete face, the repairs will include repairing cracks, joints and spalls, and replacing missing concrete sections.

Lastly, areas of the roadway which have collapse due to loss of soil through the open joints in the seawall will be repaired. Voids within the existing seawall will be grouted and the collapsed areas will be backfilled after installing a new sand drain behind the wall.

Associated with the rehabilitation of the seawall, is the need to repair the existing sluice gate near the northwest end of the seawall to allow free exchange of water to the existing moat during high and low-tide conditions. A new self-regulating tidegate (SRT) will be installed on an approximate 5-foot wide by 5-foot long concrete transition box on the waterside of the existing seawall. The SRT will allow a free exchange of water, but the tidegate will automatically close during a high storm tide to reduce landside flooding. The SRT will utilize the existing 21-inch sluice pipe to eliminate the need to demolish a length of the seawall and excavate the existing roadway. The existing stone masonry training walls at the beginning of the moat at the landside of the seawall will also be rebuilt and sediment and debris within the first 50 feet of the moat will be removed. Finally, the first 50 feet of the bottom of the moat will be protected with riprap.

An application for a Department of the Army permit pursuant to Section 10 of the Rivers and Harbors Act and Section 404 of the Clean Waters Act was submitted for the project as described above (File No. NAP-2022-01031-97).

U.S. Army Corps of Engineers (USACE)
NATIONWIDE PERMIT PRE-CONSTRUCTION NOTIFICATION (PCN)

For use of this form, see 33 CFR 330; the proponent agency is CECW-CO-R.

Form Approved -
OMB No. 0710-0003
Expires: 08-31-2023

DATA REQUIRED BY THE PRIVACY ACT OF 1974

Authority Rivers and Harbors Act, Section 10, 33 USC 403; Clean Water Act, Section 404, 33 USC 1344; Regulatory Program of the Corps of Engineers (Corps); Final Rule 33 CFR 320-332.

Principal Purpose Information provided on this form will be used in evaluating the nationwide permit pre-construction notification.

Routine Uses This information may be shared with the Department of Justice and other federal, state, and local government agencies, and the public and may be made available as part of the agency coordination process.

Disclosure Submission of requested information is voluntary, however, if information is not provided the permit application cannot be evaluated nor can a permit be issued.

The public reporting burden for this collection of information, 0710-0003, is estimated to average 11 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or burden reduction suggestions to the Department of Defense, Washington Headquarters Services, at whs.mc-alex.esd.mbx.dd-dod-information-collections@mail.mil. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number.

PLEASE DO NOT RETURN YOUR RESPONSE TO THE ABOVE EMAIL.

One set of original drawings or good reproducible copies which show the location and character of the proposed activity must be attached to this application (see *sample drawings and/or instructions*) and be submitted to the district engineer having jurisdiction over the location of the proposed activity. An application that is not completed in full will be returned.

(ITEMS 1 THRU 4 TO BE FILLED BY THE CORPS)

1. APPLICATION NO.	2. FIELD OFFICE CODE	3. DATE RECEIVED	4. DATE APPLICATION COMPLETE
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(ITEMS BELOW TO BE FILLED BY APPLICANT)

<p>5. APPLICANT'S NAME</p> <p>First - Edward Middle - Last - Mulvan</p> <p>Company - NJDEP/NHR Office of Resource Development</p> <p>Company Title -</p> <p>E-mail Address - edward.mulvan@dep.nj.gov</p>	<p>8. AUTHORIZED AGENT'S NAME AND TITLE (<i>agent is not required</i>)</p> <p>First - Christopher Middle - S. Last - Adams</p> <p>Company - GZA GeoEnvironmental, Inc.</p> <p>E-mail Address - christopher.adams@gza.com</p>
<p>6. APPLICANT'S ADDRESS</p> <p>Address- Mail Code 501-04A, P.O. Box 420</p> <p>City - Trenton State - NJ Zip - 08625 Country - Mercer</p>	<p>9. AGENT'S ADDRESS</p> <p>Address- 55 Lane Road, Suite 407</p> <p>City - Fairfield State - NJ Zip - 07004 Country - Essex</p>
<p>7. APPLICANT'S PHONE NOs. with AREA CODE</p> <p>a. Residence b. Business c. Fax d. Mobile</p> <p>(609) 984-3819</p>	<p>10. AGENT'S PHONE NOs. with AREA CODE</p> <p>a. Residence b. Business c. Fax d. Mobile</p> <p>(973) 774-3345 (973) 600-3514</p>

STATEMENT OF AUTHORIZATION

11. I hereby authorize, Christopher Adams, P.E. to act in my behalf as my agent in the processing of this nationwide permit pre-construction notification and to furnish, upon request, supplemental information in support of this nationwide permit pre-construction notification.


 _____ 10/13/22
 SIGNATURE OF APPLICANT DATE

NAME, LOCATION, AND DESCRIPTION OF PROJECT OR ACTIVITY

12. PROJECT NAME or TITLE (*see instructions*)
 Fort Mott Seawall Rehabilitation

25. Is any portion of the nationwide permit activity already complete? Yes No If Yes, describe the completed work:

26. List the name(s) of any species listed as endangered or threatened under the Endangered Species Act that might be affected by the proposed NWP activity or utilize the designated critical habitat that might be affected by the proposed NWP activity. (see instructions)
Data regarding rare species information for the project site was received from the NJDEP Office of Natural Lands Management, Natural Heritage Program. The results identified Atlantic Sturgeon and Shortnose Sturgeon as endangered species at the site. To protect the fish species, the timing restrictions listed on the NJDEP DLRP permit restricting all sediment generating activities and other work below mean high-water line from March 1 through June 30 of each calendar year will be followed.

27. List any historic properties that have the potential to be affected by the proposed NWP activity or include a vicinity map indicating the location of the historic property or properties. (see instructions)
Fort Mott State Park is listed as a historic property. An Application for Project Authorization was submitted to the New Jersey Historic Preservation Office (NJHPO) and project approval was issued on September 14, 2021. Richard Grubb & Associates, Inc. is provided cultural resources support for the project and will provide archaeological monitoring during construction.

28. For a proposed NWP activity that will occur in a component of the National Wild and Scenic River System, or in a river officially designated by Congress as a "study river" for possible inclusion in the system while the river is in an official study status, identify the Wild and Scenic River or the "study river":
Not Applicable

29. If the proposed NWP activity also requires permission from the Corps pursuant to 33 U.S.C. 408 because it will alter or temporarily or permanently occupy or use a U.S. Army Corps of Engineers federally authorized civil works project, have you submitted a written request for section 408 permission from the Corps district having jurisdiction over that project? Yes No
If "yes", please provide the date your request was submitted to the Corps district:

30. If the terms of the NWP(s) you want to use require additional information to be included in the PCN, please include that information in this space or provide it on an additional sheet of paper marked Block 30. (see instructions)
Information regarding the original design of the seawall is not available. The proposed design does not alter the elevation or the length of the existing seawall.

31. Pre-construction notification is hereby made for one or more nationwide permit(s) to authorize the work described in this notification. I certify that the information in this pre-construction notification is complete and accurate. I further certify that I possess the authority to undertake the work described herein or am acting as the duly authorized agent of the applicant.


SIGNATURE OF APPLICANT

10/13/22
DATE


SIGNATURE OF AGENT

2022-10-13
DATE

The pre-construction notification must be signed by the person who desires to undertake the proposed activity (applicant) and, if the statement in Block 11 has been filled out and signed, the authorized agent.

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

**Instructions for Preparing a
Department of the Army
Nationwide Permit (NWP) Pre-Construction Notification (PCN)**

Blocks 1 through 4. To be completed by the Corps of Engineers.

Block 5. Applicant's Name. Enter the name and the e-mail address of the responsible party or parties. If the responsible party is an agency, company, corporation, or other organization, indicate the name of the organization and responsible officer and title. If more than one party is associated with the preconstruction notification, please attach a sheet of paper with the necessary information marked Block 5.

Block 6. Address of Applicant. Please provide the full address of the party or parties responsible for the PCN. If more space is needed, attach an extra sheet of paper marked Block 6.

Block 7. Applicant's Telephone Number(s). Please provide the telephone number where you can usually be reached during normal business hours.

Blocks 8 through 11. To be completed, if you choose to have an agent.

Block 8. Authorized Agent's Name and Title. Indicate name of individual or agency, designated by you, to represent you in this process. An agent can be an attorney, builder, contractor, engineer, consultant, or any other person or organization. Note: An agent is not required.

Blocks 9 and 10. Agent's Address and Telephone Number. Please provide the complete mailing address of the agent, along with the telephone number where he / she can be reached during normal business hours.

Block 11. Statement of Authorization. To be completed by the applicant, if an agent is to be employed.

Block 12. Proposed Nationwide Permit Activity Name or Title. Please provide a name identifying the proposed NWP activity, e.g., Windward Marina, Rolling Hills Subdivision, or Smith Commercial Center.

Block 13. Name of Waterbody. Please provide the name (if it has a name) of any stream, lake, marsh, or other waterway to be directly impacted by the NWP activity. If it is a minor (no name) stream, identify the waterbody the minor stream enters.

Block 14. Proposed Activity Street Address. If the proposed NWP activity is located at a site having a street address (not a box number), please enter it in Block 14.

Block 15. Location of Proposed Activity. Enter the latitude and longitude of where the proposed NWP activity is located. Indicate whether the project location provided is the center of the project or whether the project location is provided as the latitude and longitude for each of the "corners" of the project area requiring evaluation. If there are multiple sites, please list the latitude and longitude of each site (center or corners) on a separate sheet of paper and mark as Block 15.

Block 16. Other Location Descriptions. If available, provide the Tax Parcel Identification number of the site, Section, Township, and Range of the site (if known), and / or local Municipality where the site is located.

Block 17. Directions to the Site. Provide directions to the site from a known location or landmark. Include highway and street numbers as well as names. Also provide distances from known locations and any other information that would assist in locating the site. You may also provide a description of the location of the proposed NWP activity, such as lot numbers, tract numbers, or you may choose to locate the proposed NWP activity site from a known point (such as the right descending bank of Smith Creek, one mile downstream from the Highway 14 bridge). If a large river or stream, include the river mile of the proposed NWP activity site if known. If there are multiple locations, please indicate directions to each location on a separate sheet of paper and mark as Block 17.

Block 18. Identify the Specific Nationwide Permit(s) You Propose to Use. List the number(s) of the Nationwide Permit(s) you want to use to authorize the proposed activity (e.g., NWP 29).

Block 19. Description of the Proposed Nationwide Permit Activity. Describe the proposed NWP activity, including the direct and indirect adverse environmental effects the activity would cause. The description of the proposed activity should be sufficiently detailed to allow the district engineer to determine that the adverse environmental effects of the activity will be no more than minimal. Identify the materials to be used in construction, as well as the methods by which the work is to be done.

Provide sketches when necessary to show that the proposed NWP activity complies with the terms of the applicable NWP(s). Sketches usually clarify the activity and result in a quicker decision. Sketches should contain sufficient detail to provide an illustrative description of the proposed NWP activity (e.g., a conceptual plan), but do not need to be detailed engineering plans.

The written descriptions and illustrations are an important part of the application. Please describe, in detail, what you wish to do. If more space is needed, attach an extra sheet of paper marked Block 19.

Block 20. Description of Proposed Mitigation Measures. Describe any proposed mitigation measures intended to reduce the adverse environmental effects caused by the proposed NWP activity. The description of any proposed mitigation measures should be sufficiently detailed to allow the district engineer to determine that the adverse environmental effects of the activity will be no more than minimal and to determine the need for compensatory mitigation or additional mitigation measures.

Block 21. Purpose of Nationwide Permit Activity. Describe the purpose and need for the proposed NWP activity. What will it be used for and why? Also include a brief description of any related activities associated with the proposed project. Provide the approximate dates you plan to begin and complete all work.

Block 22. Quantity of Wetlands, Streams, or Other Types of Waters Directly Affected by the Proposed Nationwide Permit Activity. For discharges of dredged or fill material into waters of the United States, provide the amount of wetlands, streams, or other types of waters filled, flooded, excavated, or drained by the proposed NWP activity. For structures or work in navigable waters of the United States subject to Section 10 of the Rivers and Harbors Act of 1899, provide the amount of navigable waters filled, dredged, or occupied by one or more structures (e.g., aids to navigation, mooring buoys) by the proposed NWP activity.

For multiple NWPs, or for separate and distant crossings of waters of the United States authorized by NWPs 12 or 14, attach an extra sheet of paper marked Block 21 to provide the quantities of wetlands, streams, or other types of waters filled, flooded, excavated, or drained (or dredged or occupied by structures, if in waters subject to Section 10 of the Rivers and Harbors Act of 1899) for each NWP. For NWPs 12 and 14, include the amount of wetlands, streams, or other types of waters filled, flooded, excavated, or drained for each separate and distant crossing of waters or wetlands. If more space is needed, attach an extra sheet of paper marked Block 22.

Block 23. Identify Any Other Nationwide Permit(s), Regional General Permit(s), or Individual Permit(s) Used to Authorize Any Part of Proposed Activity or Any Related Activity. List any other NWP(s), regional general permit(s), or individual permit(s) used or intended to be used to authorize any part of the proposed project or any related activity. For linear projects, list other separate and distant crossings of waters and wetlands authorized by NWPs 12 or 14 that do not require PCNs. If more space is needed, attach an extra sheet of paper marked Block 23.

Block 24. Compensatory Mitigation Statement for Losses of Greater Than 1/10-Acre of Wetlands When Pre-Construction Notification is Required. Paragraph (c) of NWP general condition 23 requires compensatory mitigation at a minimum one-for-one replacement ratio will be required for all wetland losses that exceed 1/10-acre and require pre-construction notification, unless the district engineer determines in writing that either some other form of mitigation is more environmentally appropriate or the adverse environmental effects of the proposed NWP activity are no more than minimal without compensatory mitigation, and provides an activity-specific waiver of this requirement. Describe the proposed compensatory mitigation for wetland losses greater than 1/10 acre, or provide an explanation of why the district engineer should not require wetland compensatory mitigation for the proposed NWP activity. If more space is needed, attach an extra sheet of paper marked Block 24.

Block 25. Is Any Portion of the Nationwide Permit Activity Already Complete? Describe any work that has already been completed for the NWP activity.

Block 26. List the Name(s) of Any Species Listed As Endangered or Threatened under the Endangered Species Act that Might be Affected by the Nationwide Permit Activity. If you are not a federal agency, and if any listed species or designated critical habitat might be affected or is in the vicinity of the proposed NWP activity, or if the proposed NWP activity is located in designated critical habitat, list the name(s) of those endangered or threatened species that might be affected by the proposed NWP activity or utilize the designated critical habitat that might be affected by the proposed NWP activity. If you are a Federal agency, and the proposed NWP activity requires a PCN, you must provide documentation demonstrating compliance with Section 7 of the Endangered Species Act.

Block 27. List Any Historic Properties that Have the Potential to be Affected by the Nationwide Permit Activity. If you are not a Federal agency, and if any historic properties have the potential to be affected by the proposed NWP activity, list the name(s) of those historic properties that have the potential to be affected by the proposed NWP activity. If you are a Federal agency, and the proposed NWP activity requires a PCN, you must provide documentation demonstrating compliance with Section 106 of the National Historic Preservation Act.

Block 28. List the Wild and Scenic River or Congressionally Designated Study River if the Nationwide Permit Activity Would Occur in such a River. If the proposed NWP activity will occur in a river in the National Wild and Scenic River System or in a river officially designated by Congress as a "study river" under the Wild and Scenic Rivers Act, provide the name of the river. For a list of Wild and Scenic Rivers and study rivers, please visit <http://www.rivers.gov/>.

Block 29. Nationwide Permit Activities that also Require Permission from the Corps Under 33 U.S.C. 408. If the proposed NWP activity also requires permission from the Corps under 33 U.S.C. 408 because it will temporarily or permanently alter, occupy, or use a Corps federal authorized civil works project, indicate whether you have submitted a written request for section 408 permission from the Corps district having jurisdiction over that project.

Block 30. Other Information Required For Nationwide Permit Pre-Construction Notifications. The terms of some of the Nationwide Permits include additional information requirements for preconstruction notifications:

- * NWP 3, Maintenance –information regarding the original design capacities and configurations of the outfalls, intakes, small Impoundments, and canals.
- * NWP 31, Maintenance of Existing Flood Control Facilities –a description of the maintenance baseline and the dredged material disposal site.
- * NWP 33, Temporary Construction, Access, and Dewatering –a restoration plan showing how all temporary fills and structures will be removed and the area restored to pre-project conditions.
- * NWP 44, Mining Activities –If reclamation is required by other statutes, then a copy of the final reclamation plan must be submitted with the pre-construction notification.
- * NWP 45, Repair of Uplands Damaged by Discrete Events –documentation, such as a recent topographic survey or photographs, to justify the extent of the proposed restoration.
- * NWP 48, Commercial Shellfish Aquaculture Activities –(1) a map showing the boundaries of the project area, with latitude and longitude coordinates for each corner of the project area; (2) the name(s) of the species that will be cultivated during the period this NWP is in effect; (3) whether canopy predator nets will be used; (4) whether suspended cultivation techniques will be used; and (5) general water depths in the project area (a detailed survey is not required).
- * NWP 49, Coal Remining Activities –a document describing how the overall mining plan will result in a net increase in aquatic resource functions must be submitted to the district engineer and receive written authorization prior to commencing the activity.
- * NWP 50, Underground Coal Mining Activities –If reclamation is required by other statutes, then a copy of the reclamation plan must be submitted with the pre-construction notification.

If more space is needed, attach an extra sheet of paper marked Block 30.

Block 31. Signature of Applicant or Agent. The PCN must be signed by the person proposing to undertake the NWP activity, and if applicable, the authorized party (agent) that prepared the PCN. The signature of the person proposing to undertake the NWP activity shall be an affirmation that the party submitting the PCN possesses the requisite property rights to undertake the NWP activity (including compliance with special conditions, mitigation, etc.).

DELINEATION OF WETLANDS, OTHER SPECIAL AQUATIC SITES, AND OTHER WATERS

Each PCN must include a delineation of wetlands, other special aquatic sites, and other waters, such as lakes and ponds, and perennial, intermittent, and ephemeral streams, on the project site. Wetland delineations must be prepared in accordance with the current wetland delineation manual and regional supplement published by the Corps. The permittee may ask the Corps to delineate the special aquatic sites and other waters on the project site, but there may be a delay if the Corps does the delineation, especially if the project site is large or contains many wetlands, other special aquatic sites, and other waters. The 45 day PCN review period will not start until the delineation is submitted or has been completed by the Corps.

DRAWINGS AND ILLUSTRATIONS

General Information.

Three types of illustrations are needed to properly depict the work to be undertaken. These illustrations or drawings are identified as a Vicinity Map, a Plan View or a Typical Cross-Section Map. Identify each illustration with a figure or attachment number. For linear projects (e.g. roads, subsurface utility lines, etc.) gradient drawings should also be included. Please submit one original, or good quality copy, of all drawings on 8½x11 inch plain white paper (electronic media may be substituted). Use the fewest number of sheets necessary for your drawings or illustrations. Each illustration should identify the project, the applicant, and the type of illustration (vicinity map, plan view, or cross-section). While illustrations need not be professional (many small, private project illustrations are prepared by hand), they should be clear, accurate, and contain all necessary information.

ADDITIONAL INFORMATION AND REQUIREMENTS

For proposed NWP activities that involve discharges into waters of the United States, water quality certification from the State, Tribe, or EPA must be obtained or waived (see NWP general condition 25). Some States, Tribes, or EPA have issued water quality certification for one or more NWPs. Please check the appropriate Corps district web site to see if water quality certification has already been issued for the NWP(s) you wish to use. For proposed NWP activities in coastal states, state Coastal Zone Management Act consistency concurrence must be obtained, or a presumption of concurrence must occur (see NWP general condition 26). Some States have issued Coastal Zone Management Act consistency concurrences for one or more NWPs. Please check the appropriate Corps district web site to see if Coastal Zone Management Act consistency concurrence has already been issued for the NWP(s) you wish to use.

Block 19 – Description of Proposed Nationwide Permit Activity

Block 22 – Quantity of Wetlands, Streams, or Other Types of Waters Directly Affected by
Proposed Nationwide Permit Activity

PERMIT APPLICATION: NAP-2022-01031-97 (FORT MOTT STATE PARK SA)

REVISED BLOCK 19 – DESCRIPTION OF PROPOSED NATIONWIDE PERMIT ACTIVITY

The proposed project includes the repair of an existing seawall with the installation of 1,354 linear feet of AZ 18-700 steel sheet piles, five (5) feet waterward of the existing seawall. Concrete will be discharged within the undermined voids at the base of the existing seawall and between the base of the existing seawall and proposed sheet pile wall to create a 6,670 square-foot (0.153 ac) concrete apron. At the waterward side of the proposed sheet pile wall, 7,140 square feet (0.164 ac) of 18-inch diameter riprap will be placed to about five (5) feet waterward of the sheet pile wall. Additional repairs to the existing seawall include resetting the dislodged or fallen stones, stitching and tying stones using steel ties and/or dowels, and pointing/repointing joints between stones; and repair to cracks, joints and spalls, and replacing missing concrete sections. Additionally, backfill will be replaced behind the seawall to repair areas of roadway which have been lost due to erosion through open joints in the seawall.

The proposed project also includes repairs to the existing sluice gate near the northwest end of the seawall. This would include the installation of a new self-regulating tide gate (SRT) on a concrete transition box on the seawall in the Delaware River. The training walls in the existing moat on the tributary side of the sluice gate will be rebuilt. Additionally, a 1,190 square-foot (0.027 ac) area of sediment will be excavated, and 18-inch diameter riprap will be placed over a 2,440 square-foot (0.056 ac) area below the high tide line for the first 50 feet of the moat.

BLOCK 22 – QUANTITY OF WETLANDS, STREAMS, OR OTHER TYPES OF WATERS DIRECTLY AFFECTED BY PROPOSED NATIONWIDE PERMIT ACTIVITY

Coastal wetlands maps, pursuant to the Wetlands Act of 1970 (N.J.S.A. 13:9A-1 et seq.), depict coastal wetlands near center of the seawall. In addition to the mapped coastal wetlands near the center of the wall, there are tidally influenced wetlands along the coast at the northwest end of the wall. The tidally influenced wetlands are not mapped on the 1970s Coastal Wetland Maps and therefore are regulated under the NJDEP Freshwater Wetland Protection Act.

Within the limit of disturbance there is a total of about 0.017 acres (758 square feet) of disturbance to wetlands regulated under the Freshwater Wetland Protection Act.

Within the limit of disturbance there is a total of about 0.271 acres (11,825 square feet) of disturbance to State open waters.

Within the limit of disturbance there is a total of about 0.039 acres (1,705 square feet) of disturbance to coastal wetlands as depicted on the 1970 Coastal Wetlands map.



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January 12, 2022
12.0077027.00

Ms. Kendall Papineau
Philadelphia District U.S. Army Corps of Engineers
100 Penn Square E
Philadelphia, PA 19107-3390

Re: Response to ACOE Comments
NAP-2022-01031-97
Fort Mott State Park SA
Pennsville, New Jersey, 08070

Dear Ms. Papineau:

GZA GeoEnvironmental, Inc. is providing the following responses to the bullet points listed in your email dated December 19, 2022. The responses are being provided in support of the ACOE Permit application for the seawall rehabilitation project at Fort Mott State Park located in Pennsville, New Jersey.

Bullet 1: How will work be completed (from barge or from uplands?) will there be staging areas in uplands?

GZA Response: *In general, the work will be conducted from the existing roadway upland of the seawall and there will be no heavy equipment in the Delaware River. Specifically, the new sheet piles will be installed using a rig or excavator working from the existing roadway. A variable moment vibratory hammer will be used to better control noise and vibrations during installation. The riprap will also be placed from the roadway. Use of a turbidity barrier shall be specified as well to reduce sediment migration outside the project limits. The installation of the concrete apron will also be completed from the roadway. The placement of concrete will follow the tide cycles since the area will be exposed below the mean tide level. Finally, the detailed repairs to the existing wall will be completed with manual labor and materials.*

Bullet 2: Description/schedule of activities.

GZA Response: *The general sequence of construction is as follows:*

1. *Mobilize and install soil erosion and sediment control measures.*
2. *Install proposed sheet pile wall along toe of existing seawall.*
3. *Install new SRT Gate:*
 - *Install sheet piles around sluice pipe entrance waterward of seawall.*
 - *Dewater area, prepare subgrade and clean existing seawall face.*
 - *Place concrete for SRT transition box, new liner wall on the face of seawall above transition box, and apron between seawall and sheet pile wall around transition box.*
 - *Install SRT Gate.*



4. Complete the moat rehabilitation work.
 - Remove debris and sediment within the first 50 feet of the moat.
 - Repair the existing grizzly grate at the beginning of the moat.
 - Reconstruct the existing stone masonry training walls.
 - Regrade the first 50 feet of the moat and place riprap.
5. Prepare subgrade between existing seawall and sheet pile wall and place concrete for the new apron. Concrete will be placed during low tide and will be contained between the existing seawall and new sheet pile wall to avoid discharge of concrete within the Delaware River.
6. Complete existing seawall repairs. Seawall will be repaired in-kind.
7. Place concrete cap where missing along top of the seawall.
8. Drill and inject grout to fill voids on the landside of the existing seawall.
9. Excavate behind the existing seawall (landside) and install filter sand and weep holes at designated locations.

Bullet 3: Temporary project vessels, if any.

GZA Response: No temporary project vessels are required for this project.

Bullet 4: Anticipated start date, anticipated end date.

GZA Response: Pending permit approval, the project is expected to begin in Fall 2023 and be completed in Winter 2024.

Bullet 5: Results of grain size analysis or general description of composition of sediment.

GZA Response: There is no sediment along the seawall. The riverbed along the seawall generally consists of fine to coarse sand with varying amounts of silt and gravel.

Bullet 6: Range of water depths at MLW and MHW.

GZA Response: The top of the proposed apron and sheet pile wall along the toe of the seawall will range between a minimum elevation of -2 feet at the existing tide gate and a maximum elevation of 5 feet at the end of the existing wall. The majority of the apron will be constructed with a top elevation at El. 1. MLW is at El. -2.79 and MHW is at El. 2.65. Therefore, the proposed apron is above the MLW level and water depths along the proposed apron at MHW range between 0 feet and 4.65 feet.

Bullet 7: Salinity range (PPT)

GZA Response: Based on monitoring data collected by the Delaware River Basin Commission from the Pea Patch Island monitoring station (31DELRBC-091005) between March 2000 through October 2021, the salinity ranged from 0.1 ppt to 9.4 ppt with an average of about 2.4 ppt.

Bullet 8: Water temperature range (F)

GZA Response: The water temperature ranges from the mid 30s to the mid 80s, based on monitoring data collected by the Delaware River Basin Commission from the Pea Patch Island monitoring station (31DELRBC-091005) between March 2000 through October 2021

Bullet 9: Pile diameter and quantity (# of steel sheet piles, not just length).

GZA Response: The proposed design requires 295 pairs (590 sheets) of AZ 18-700 sheet piles. The steel sheet piles are not round but have a "Z"-shaped cross-section and the length of each sheet is 27.56 inches with a thickness of 0.35 inches.



Bullet 10: Please provide any additional information about archaeological resources as this will be a factor in the Federal review. I noticed that there will be Archaeological monitoring during construction. How did this come about? Was this a term of the NJDEP Permit? Was a phase 1 archaeological survey completed?

GZA Response: *The work is within the Fort Mott and Finn's Point National Cemetery Historic District. Per the NJDEP Waterfront Development regulations (N.J.A.C. 7:7-9.34), archaeological, historical, and architectural resources listed or eligible or listing in the New Jersey Register and the National Register of Historic Places must be identified in order to determine if the project will affect such resources. Therefore, an Application for Project Authorization was submitted to the NJ Historic Preservation Office which included background information on the site. The proposed project was found to meet the Secretary of the Interior's Standards for the Treatment of Historic Properties-Rehabilitation and does not constitute as an encroachment on the Fort Mott and Finn's Point National Cemetery Historic District. We previously provided these documents to you.*

Archaeological monitoring was requested by the State of New Jersey (Owner) as part of the project scope. An Archeological Monitoring Plan was developed and included in the package to the NJ Historic Preservation Office.

Thank you and please contact Jason Poppe at (973) 774-3324 with any questions.

Sincerely,
GZA GEOENVIRONMENTAL, INC.

A handwritten signature in blue ink, appearing to read "Jason Poppe".

Jason T. Poppe, P.E.
Project Manager

A handwritten signature in black ink, appearing to read "C. Adams".

Christopher S. Adams, P.E.
Principal/Senior Vice President

Cc: Ronald Kraemer, NJDPMC
Jeffrey Adams, NJDEP Office of Resource Development

Jason Poppe

From: Jason Poppe
Sent: Monday, January 23, 2023 2:20 PM
To: Papineau, Kendall L CIV USARMY CENAP (USA)
Cc: Kraemer, Ronald; Adams, Jeffrey; Christopher Adams
Subject: RE: Additional Information: NAP-2022-01031-97 (Fort Mott State Park SA)
Attachments: IMG_2370.JPEG; 2020-253 Fort Mott Monitoring Plan 2-25-2021.pdf

Hi Kendall,

Please see responses in **red** below and corresponding attachments.

Thank you,

Jason Poppe, P.E.

Project Manager

GZA | 55 Lane Road, Suite 407 | Fairfield, NJ 07004

o: 973-774-3324 | c: 201-213-1998 | jason.poppe@gza.com | www.gza.com | [LinkedIn](#)

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From: Papineau, Kendall L CIV USARMY CENAP (USA) <Kendall.L.Papineau@usace.army.mil>
Sent: Thursday, January 19, 2023 6:23 PM
To: Jason Poppe <Jason.Poppe@gza.com>
Cc: Kraemer, Ronald <Ronald.Kraemer@treas.nj.gov>; Adams, Jeffrey <Jeffrey.Adams@dep.nj.gov>; Christopher Adams <Christopher.Adams@gza.com>
Subject: [EXTERNAL] RE: Additional Information: NAP-2022-01031-97 (Fort Mott State Park SA)

Hi Jason,

Thank you for sending this. I need a little bit more information regarding two of the questions.

- Did not quite get a complete answer to if there will be staging areas in uplands and the extent of the upland area where the work would occur from. I need to determine the permit area for our Cultural Resources review and this geographic description would also include reasonably related work in the uplands such as staging.
All work will occur from the upland side of the seawall and will be limited to an area within 20 feet of the seawall. Within that 20-foot wide area, there is an existing asphalt roadway, about 9 feet wide, which runs parallel to the seawall from the southern end to just beyond the moat. The area between the seawall and the paved roadway is grass covered. Any temporary staging will also be limited to this area. The attached photos show an overall view of the seawall and upland area looking north for your reference.
- Has a copy of the archaeological monitoring plan been provided with the application materials? If not, please provide. We have responsibility to review affects on these resources and coordinate with SHPO/Tribes as necessary. To make this process an expeditious as possible, please provide this information.
Yes, the archaeological monitoring plan was included as Appendix B in the Application for Project Authorization that was emailed to you on December 6, 2022. For ease of review, I have attached the monitoring plan as a separate document.

Best,
Kendall

Kendall Papineau
Senior Regulatory Project Manager
Philadelphia District U.S. Army Corps of Engineers
Cell: (267) 559-1522
Office: (215) 656-5873

From: Jason Poppe <Jason.Poppe@gza.com>
Sent: Friday, January 13, 2023 11:32 AM
To: Papineau, Kendall L CIV USARMY CENAP (USA) <Kendall.L.Papineau@usace.army.mil>
Cc: Kraemer, Ronald <Ronald.Kraemer@treas.nj.gov>; Adams, Jeffrey <Jeffrey.Adams@dep.nj.gov>; Christopher Adams <Christopher.Adams@gza.com>
Subject: [URL Verdict: Neutral][Non-DoD Source] RE: Additional Information: NAP-2022-01031-97 (Fort Mott State Park SA)

Hello Kendall,

Please see attached letter with responses to your recent questions/comments regarding the Fort Mott Seawall Rehabilitation Project.

Please reach out if you have any questions.

Thank you,

Jason Poppe, P.E.

Project Manager

GZA | 55 Lane Road, Suite 407 | Fairfield, NJ 07004

o: 973.774.3324 | c: 201.213.1998 | jason.poppe@gza.com | www.gza.com | [LinkedIn](#)

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From: Papineau, Kendall L CIV USARMY CENAP (USA) <Kendall.L.Papineau@usace.army.mil>
Sent: Monday, December 19, 2022 4:06 PM
To: Jason Poppe <Jason.Poppe@gza.com>
Subject: [EXTERNAL] Additional Information: NAP-2022-01031-97 (Fort Mott State Park SA)

Good afternoon Jason,

I am working on preparing the Public Notice, documents to send to our Cultural Resources Specialist/Tribal Liaison, and documents for the ESA and EFH consultations. Please provide responses to the bullet points below as they are necessary for continuing processing the application. Feel free to give me a call to clarify anything.

- How will work be completed (from barge or from uplands?) will there be staging areas in uplands?
- Description/schedule of activities.
- Temporary project vessels, if any
- Anticipated start date, anticipated end date
- Results of grain size analysis or general description of composition of sediment
- Range of water depths at MLW and MHW
- Salinity range (PPT)

- Water temperature range (F)
- Pile diameter and quantity (# of steel sheet piles, not just length)
- Please provide any additional information about archaeological resources as this will be a factor in the Federal review. I noticed that there will be Archaeological monitoring during construction. How did this come about? Was this a term of the NJDEP Permit? Was a phase 1 archaeological survey completed?

Kendall Papineau
Senior Regulatory Project Manager
Philadelphia District U.S. Army Corps of Engineers
Cell: (267) 559-1522
Office: (215) 656-5873

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For information about GZA GeoEnvironmental, Inc. and its services, please visit our website at www.gza.com.

Jason Poppe

From: Jason Poppe
Sent: Monday, January 30, 2023 2:31 PM
To: Papineau, Kendall L CIV USARMY CENAP (USA)
Cc: Kraemer, Ronald; Adams, Jeffrey; Christopher Adams
Subject: RE: Additional Information: NAP-2022-01031-97 (Fort Mott State Park SA)

Kendall,

For the SRT gate installation, sheet piles will be installed perpendicular to, and between the new sheet pile wall and existing seawall to create an approximate 14' by 12' area around the entrance to the existing sluice pipe. The water within this small area will be pumped out to facilitate the installation of the proposed SRT transition box, concrete apron, SRT Gate and protective cage. The SRT transition box will be 5' wide by 4' 8" high and will extend waterward about 5' 4" from the base of the existing seawall. The sheet piles surrounding the sluice pipe will initially be installed with the top of sheets at El. 4.0 to act as a temporary cofferdam. Following the completion of all components related to the SRT Gate, the sheet piles will be cut off at El. -3.0 to match the invert of the new SRT Gate.

The sequencing/schedule of activities was revised to further detail the SRT Gate installation. The placement of riprap was also added to the sequencing.

- Mobilize and install soil erosion and sediment control measures.
- Install proposed sheet pile wall along toe of existing seawall.
- Install new SRT Gate:
 - Install sheet piles around sluice pipe entrance between the existing seawall and new sheet pile wall with the top of sheets at El. 4.0 to act as a temporary cofferdam.
 - Dewater area, prepare subgrade and clean existing seawall face.
 - Place concrete for SRT transition box, concrete apron between seawall and sheet pile wall around transition box, and liner wall on the face of seawall.
 - Install access ladder, SRT Gate, and protective cage around SRT gate.
 - Cut sheet piles to the top of the apron at El. -3.0.
- Complete the moat rehabilitation work.
 - Remove debris and sediment within the first 50 feet of the moat.
 - Repair the existing grizzly grate at the beginning of the moat.
 - Reconstruct the existing stone masonry training walls.
 - Regrade the first 50 feet of the moat and place riprap.
- Prepare subgrade between existing seawall and sheet pile wall and place concrete for the new apron. Concrete will be placed during low tide and will be contained between the existing seawall and new sheet pile wall to avoid discharge of concrete within the Delaware River.
- Place riprap waterward of the new sheet pile wall. Riprap will be placed during low tide.
- Complete existing seawall repairs. Seawall will be repaired in-kind.
- Place concrete cap where missing along top of the seawall.
- Drill and inject grout to fill voids on the landside of the existing seawall.
- Excavate behind the existing seawall (landside) and install filter sand and weep holes at designated locations.

Thanks,

Jason Poppe, P.E.

Project Manager

GZA | 55 Lane Road, Suite 407 | Fairfield, NJ 07004

o: 973.774.3324 | c: 201.213.1998 | jason.poppe@gza.com | www.gza.com | [LinkedIn](#)

From: Papineau, Kendall L CIV USARMY CENAP (USA) <Kendall.L.Papineau@usace.army.mil>
Sent: Tuesday, January 24, 2023 2:21 PM
To: Jason Poppe <Jason.Poppe@gza.com>
Cc: Kraemer, Ronald <Ronald.Kraemer@treas.nj.gov>; Adams, Jeffrey <Jeffrey.Adams@dep.nj.gov>; Christopher Adams <Christopher.Adams@gza.com>
Subject: [EXTERNAL] RE: Additional Information: NAP-2022-01031-97 (Fort Mott State Park SA)

Hi Jason,

In the response to sequencing/schedule of activities, the placement of riprap in front of the sheet piles is omitted. Also, can you expand on the dewatering for the SRT transition box as well as the dimension of the concrete box.

Thank you,
Kendall

Kendall Papineau
Senior Regulatory Project Manager
Philadelphia District U.S. Army Corps of Engineers
Cell: (267) 559-1522
Office: (215) 656-5873

From: Jason Poppe <Jason.Poppe@gza.com>
Sent: Friday, January 13, 2023 11:32 AM
To: Papineau, Kendall L CIV USARMY CENAP (USA) <Kendall.L.Papineau@usace.army.mil>
Cc: Kraemer, Ronald <Ronald.Kraemer@treas.nj.gov>; Adams, Jeffrey <Jeffrey.Adams@dep.nj.gov>; Christopher Adams <Christopher.Adams@gza.com>
Subject: [URL Verdict: Neutral][Non-DoD Source] RE: Additional Information: NAP-2022-01031-97 (Fort Mott State Park SA)

Hello Kendall,

Please see attached letter with responses to your recent questions/comments regarding the Fort Mott Seawall Rehabilitation Project.

Please reach out if you have any questions.

Thank you,
Jason Poppe, P.E.
Project Manager
GZA | 55 Lane Road, Suite 407 | Fairfield, NJ 07004
o: 973.774.3324 | c: 201.213.1998 | jason.poppe@gza.com | www.gza.com | [LinkedIn](#)

From: Papineau, Kendall L CIV USARMY CENAP (USA) <Kendall.L.Papineau@usace.army.mil>
Sent: Monday, December 19, 2022 4:06 PM
To: Jason Poppe <Jason.Poppe@gza.com>
Subject: [EXTERNAL] Additional Information: NAP-2022-01031-97 (Fort Mott State Park SA)

Good afternoon Jason,

I am working on preparing the Public Notice, documents to send to our Cultural Resources Specialist/Tribal Liaison, and documents for the ESA and EFH consultations. Please provide responses to the bullet points below as they are necessary for continuing processing the application. Feel free to give me a call to clarify anything.

- How will work be completed (from barge or from uplands?) will there be staging areas in uplands?
- Description/schedule of activities.
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- Anticipated start date, anticipated end date
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- Salinity range (PPT)
- Water temperature range (F)
- Pile diameter and quantity (# of steel sheet piles, not just length)
- Please provide any additional information about archaeological resources as this will be a factor in the Federal review. I noticed that there will be Archaeological monitoring during construction. How did this come about? Was this a term of the NJDEP Permit? Was a phase 1 archaeological survey completed?

Kendall Papineau
Senior Regulatory Project Manager
Philadelphia District U.S. Army Corps of Engineers
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Office: (215) 656-5873

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For information about GZA GeoEnvironmental, Inc. and its services, please visit our website at www.gza.com.



**US Army Corps
of Engineers**
Philadelphia District
100 South Independence Mall West
Philadelphia, PA 19106
Attn: CENAP-OPR

Public Notice

Comment Period Begins: February 10, 2023
Comment Period Ends: March 13, 2023
File Number: NAP-2022-01031-97
File Name: Fort Mott State Park SA
Contact: Kendall Papineau
Email: Kendall.L.Papineau@usace.army.mil

This District has received an application for a Department of the Army permit pursuant to Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. 403) and Section 404 of the Clean Water Act (33 U.S.C. 1344).

The purpose of this notice is to solicit comments and recommendations from the public concerning issuance of a Department of the Army permit for the work described below.

APPLICANT: NJDEP/NHR Office of Resource Development

AGENT: GZA GeoEnvironmental, Inc.

LOCATION: The project is located in the Delaware River at 454 Fort Mott Road in the Township of Pennsville, Salem County, New Jersey (Center coordinates: 39.60382°, -75.55400°)

PURPOSE: To meet the need for maintenance to an existing seawall, bank stabilization of an eroding shoreline, and to provide upland flood protection.

PROJECT DESCRIPTION:

The proposed project includes the repair of an existing seawall and the addition of additional bank stabilization measures, including the installation of a concrete apron and riprap, along the existing seawall. The additional bank stabilization measures include the installation of 1,354 linear feet of AZ 18-700 steel sheet piles located five (5) feet waterward of the existing wall and driven to approximately 2-feet above grade. Concrete would be discharged within the undermined voids at the base of the existing seawall and between the base of the seawall and proposed sheet pile wall to create a 6,670 square-foot (0.152 ac) concrete apron. At the waterward side of the proposed sheet pile, 7,140 square feet (0.164 ac) of 18-inch diameter riprap would be placed approximately five (5) feet waterward of proposed sheet piles.

Repairs to the existing seawall would include resetting the dislodged and/or fallen stones, stitching and tying stones using steel ties and/or dowels, and pointing/repointing joints between stones, and repair to cracks, joints and spalls, and replacing missing concrete sections. Additionally, backfill will be replaced behind the seawall to repair areas of roadway which have been lost due to erosion through open joints in the seawall.

The proposed project also includes repairs to an existing sluice gate near the northwest end of the seawall and installation of a new self-regulating tide gate (SRT). The SRT would be installed on a 5-foot by 5-foot concrete transition box on the seawall in the Delaware River. Construction and installation of the transition box and tide gate would involve temporary dewatering of the area by the installation of temporary sheet-piles in front of and perpendicular to the wall to create an approximately 14-foot by 12-foot area for the construction of the transition box. Additionally, the training walls in the existing moat on the tributary side of the sluice gate would be rebuilt. Lastly, a 1,190 square foot (0.027 ac) area of sediment would be excavated, and 18-inch diameter riprap would be placed over a 2,440 square-foot (0.056 ac) area below the high tide line.

The anticipated start date of the project is Fall 2023 to be completed in Winter 2024. The sequence of activities would commence as follows: i) installation of sheet piles; then temporary cofferdam, dewatering, pouring of concrete for SRT transition box and apron, and installation of the SRT Gate; ii) repairs to training walls, regrading and placement of riprap in the tributary; iii) pouring of the concrete apron between wall and sheet piles; iv) placement of rip-rap in front of sheet piles; and v) lastly, the completion of seawall repairs, replacement of missing concrete cap on top of seawall and excavation behind seawall and installation of filter sand and weep holes.

Installation of sheet piles and placement of riprap would be conducted using machinery located in uplands. Sheet piles would be installed using a rig excavator and vibratory hammer. Concrete would be poured during low tide when the area is dry. A turbidity curtain would be utilized during construction and would also be placed from the uplands. Detailed repairs to the existing wall would be completed manually.

For additional project details, see the attached plans identified as: "P1219-00 – Fort Mott Seawall Rehabilitation Fort Mott State Park, Pennsville, NJ 08070 – Fort Mott Seawall USACE NWP-3 Impact Drawings," prepared by GZA GeoEnvironmental Inc, dated November 2022, unrevised, sheet 1 of 1; and "P1219-00 – Fort Mott Seawall Rehabilitation Fort Mott State Park, Pennsville, NJ 08070 – Repair Category Sections," prepared by GZA GeoEnvironmental Inc, dated July 2021, unrevised, sheet 6 of 12

MITIGATION

The applicant has stated that the proposed project has been designed to avoid and minimize adverse effects on the aquatic environment to the maximum extent practicable. Information provided in the application and on the plans indicates that compensatory mitigation is neither practicable nor feasible for the amount of dredged or fill material to be discharged into waters of the United States.

The proposed project would result in the total loss of 3,090 square feet (0.07 ac) of coastal wetland. The NJDEP Division of Land Resource Protection (DLRP) issued Permit No. 1708-07-0003.2 LUP210002 for the subject project which required the purchase of 0.039 mitigation credits from Abbot Creek, an approved mitigation bank. The Corps has determined that this amount of compensatory mitigation adequately offsets the lost functions and values of the impacted coastal wetlands affected by the proposed project and will not require additional compensatory mitigation.

CORPS EVALUATION FACTORS

The decision whether to issue a permit will be based on an evaluation of the activity's probable impact including its cumulative impacts on the public interest. The decision will reflect the national concern for both protection and utilization of important resources. The benefits which reasonably may be expected to accrue from the work must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the work will be considered including the cumulative effects thereof. Among these factors are conservation, economics, aesthetics, general environmental concerns, wetlands, cultural values, fish and wildlife values, flood hazards, flood plain values, land use, navigation, shore erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs and welfare of the people.

The evaluation of the impact of this project will also include application of the Clean Water Act Section 404(b)(1) Guidelines promulgated by the Administrator, U.S. Environmental Protection Agency if the project includes a discharge of dredge or fill material pursuant to Section 404 of the Clean Water Act.

ENDANGERED SPECIES

A preliminary review of this application indicates that species and/or their critical habitat pursuant to Section 7 of the Endangered Species Act (ESA) may be present in the action area. This office will forward this Public Notice to the U.S. Fish and Wildlife Service (USFWS) and/or National Marine Fisheries Service (NMFS) with a request for technical assistance on whether any ESA-listed species or their critical habitat may be present in the area which would be affected by the proposed activity. This office will evaluate the potential effects of the proposed actions on ESA-listed species or their critical habitat and will consult with the USFWS and/or NMFS, as appropriate. ESA

Section 7 consultation would be concluded prior to the final decision on this permit application.

CULTURAL RESOURCES AND TRIBAL TRUST

The District's Cultural Resource Specialist and Tribal Liaison is currently reviewing the proposed permit action for potential impacts to Historic Properties eligible for or listed on the National Register of Historic Places and for potential issues concerning the Tribes. A determination of effects will be coordinated with the State Historic Preservation Office, the Tribes and other consulting parties as necessary.

ESSENTIAL FISH HABITAT

The Magnuson-Stevens Fishery Conservation and Management Act (MSA) requires all federal agencies to consult with the National Marine Fisheries Service (NMFS) for all actions, or proposed actions, permitted, funded, or undertaken by the agency that may adversely affect Essential Fish Habitat (EFH). A preliminary review of this application indicates that EFH is present within the project area. This office will evaluate the potential effects of the proposed actions on EFH and will consult with NMFS, as appropriate. Consultation would be concluded prior to the final decision on this permit application.

WATER QUALITY CERTIFICATE

In accordance with Section 401 of the Clean Water Act, a Water Quality Certificate (WQC) is required from the State government in which the work is located. The applicant has received a WQC from the State for the subject project.

COASTAL ZONE MANAGEMENT ACT

In accordance with Section 307(c) of the Coastal Zone Management Act of 1972, applicants for Federal Licenses or Permits to conduct an activity affecting land or water uses in a State's coastal zone must provide certification that the activity complies with the State's Coastal Zone Management (CZM) Program. The applicant has received a CZM consistency concurrence from the State for the subject project.

SUBMISSION OF COMMENTS AND PUBLIC HEARING REQUEST

Any comments received will be considered by this office to determine whether to issue, modify, condition, or deny a permit for this proposed project. To make this decision, comments are used to assess the probable impact on the public interest. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

Comments on the proposed work must be submitted, in writing, within the comment period indicated in the header above. Any person may request, within the comment period specified in this notice, that a public hearing be held to consider this application.

Requests for a public hearing must be in writing and state the reasons for holding a public hearing.

Please provide any comments, request for a public hearing, or requests for additional information to the Regulatory Project Manager indicated above. All Public Notices are posted on our website at:

<https://www.nap.usace.army.mil/Missions/Regulatory/Public-Notices/>

FOR: Todd A. Schaible
Chief, Regulatory Branch

J:\77000 to 77050\77027, NUDPMC Ft. Mott Seawall Rehabilitation, P1219--00\Drawings\Location maps for permitting\locationmap.dgn



UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.			
NO.	ISSUE/DESCRIPTION	BY	DATE

P1219 - Fort Mott Sea Wall Rehabilitation
 Fort Mott State Park, Salem County, Pennsville, NJ 08070
 Portion of Google Maps

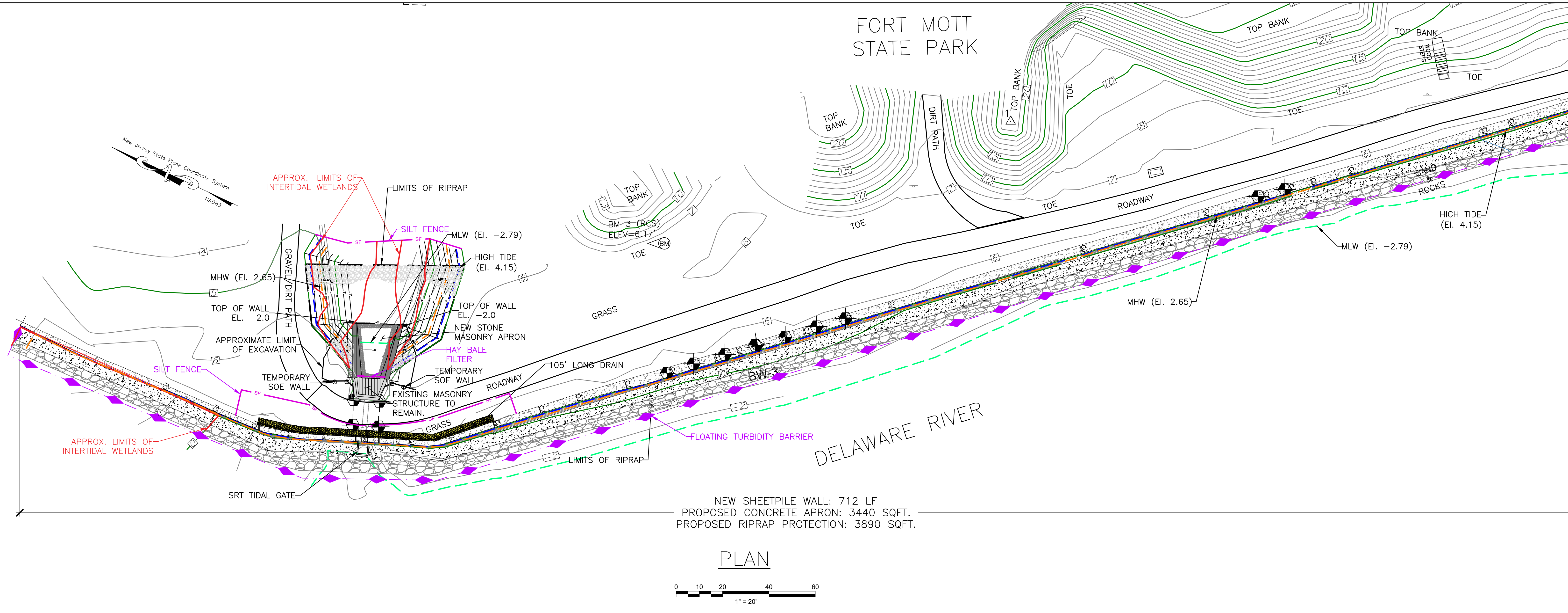
LOCATION MAP

PREPARED BY:
GZA GeoEnvironmental, Inc.
 Engineers and Scientists
 www.gza.com
NI Certificate of Authorization 24GCA29951800

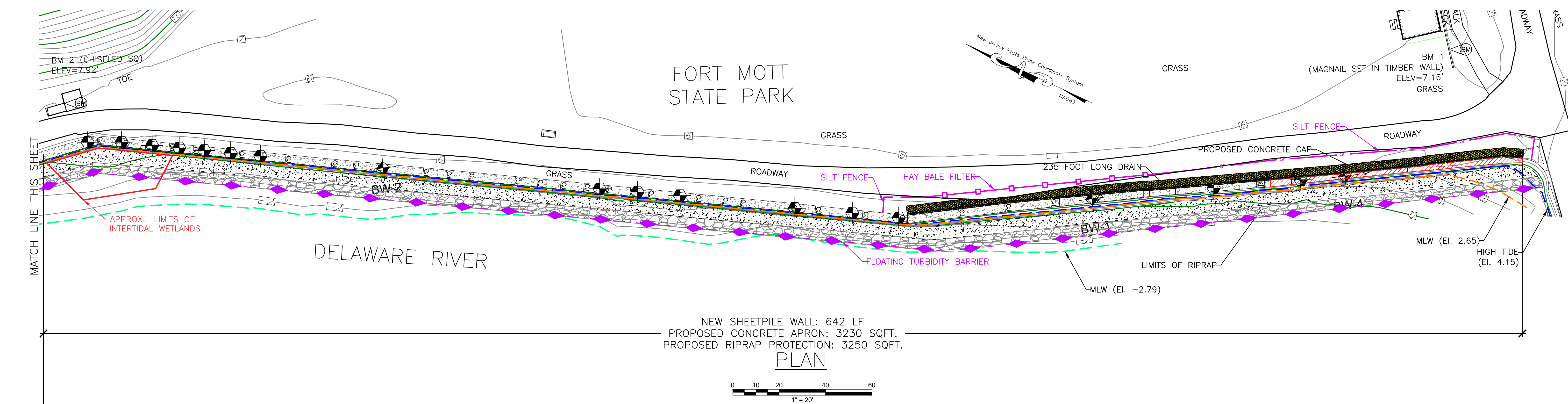
PROJ MGR: HF REVIEWED BY: JP
 DESIGNED BY: DRAWN BY: APB
 DATE: 1/29/2021 PROJECT NO. 12.0077027.00

PREPARED FOR:
 State of New Jersey
 DPMC Bureau of Design and Construction
 P.O. Box 235
 Trenton, New Jersey 08625-0235

CHECKED BY: CSA
 SCALE: NOT TO SCALE
 REVISION NO.



- LEGEND**
- BUILDING
 - WOODS LINE
 - 450' CONTOUR
 - STORM DRAIN
 - FENCE - METAL
 - SIGN
 - TRAVERSE
 - CONCRETE JOINT
 - BENCHMARK
 - EXISTING CONCRETE CAP
 - SHEET PILE WALL
 - PROPOSED CONCRETE APRON
 - INJECTION GROUTING LOCATION
 - LOCATION OF TEMPORARY FLOATING TURBIDITY BARRIER
 - SILT FENCE
 - HAY BALE FILTER
 - RIPRAP
 - MLW
 - MHW
 - HIGH TIDE
- GENERAL NOTES:**
- EXISTING PAVED ROADWAY SHALL SERVE AS A STABILIZED CONSTRUCTION ACCESS AND SHALL BE SWEEPED AND KEPT CLEAN AT ALL TIMES.
 - ALL TURBID WATER SHALL BE PUMPED WATER SHALL BE PUMPED INTO A SEDIMENT FILTER BAG BEFORE DISCHARGING INTO THE RIVER.
- SOIL MANAGEMENT AND PREPARATION NOTES:**
- BEFORE THE PLACEMENT OF TOPSOIL, THOROUGHLY TILL AREAS TO BE TREATED TO A DEPTH OF 6 INCHES BY SCARIFYING, DISKING, HARROWING OR OTHER APPROVED METHODS.
- USDA SOIL SURVEY NOTES:**
- ALL SOIL WITHIN THE LIMIT OF DISTURBANCE IS LABELS AS:
SoN4 - Sassafras-Woodstown complex, 0 to 2 percent slopes



- SCOPE OF REPAIRS:**
- SEAWALL REPAIRS SHALL INCLUDE STRENGTHENING OF FOUNDATION AND STABILIZATION OF TOE BY INSTALLATION OF SHEET PILES APPROXIMATELY 5 FEET FROM TOE OF WALL, THEN FILLING SPACE BETWEEN SHEET PILE AND WALL WITH CONCRETE TO CREATE AN APRON. RIPRAP PROTECTION SHALL BE PLACED ON THE RIVERSIDE OF THE NEW SHEETPILES.
 - MOAT REPAIRS SHALL INCLUDE CLEARING AND REMOVAL OF DEBRIS FROM THE LANDSIDE OF MOAT, CONSTRUCTION OF NEW STONE MOAT TRAINING WALLS AND APRON, AND REGRADING/RIPRAP PLACEMENT FOR EROSION PROTECTION WITHIN THE MOAT.
 - INJECTION GROUT LOCATIONS ARE BASED ON GZA'S OBSERVATIONS AND MEASUREMENTS OF AREAS OF MAJOR EROSION AT BASE AND UNDERMINING OF THE SEAWALL.

INTERTIDAL WETLANDS BELOW HIGH TIDE IMPACT SUMMARY TABLE		
DESIGNATION	DISTURBANCE AREA (sq. ft.)	DISTURBANCE AREA (acre)
INTERTIDAL WETLAND	3,090	0.07
CONCRETE BELOW HIGH TIDE	6,670	0.15
RIPRAP BELOW HIGH TIDE	9,580	0.22

NO.	ISSUE/DESCRIPTION	BY	DATE
<p>UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THIS DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THIS DRAWING SHALL NOT BE REPRODUCED, COPIED, DULLED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.</p>			
<p>P1219-00 - FORT MOTT SEAWALL REHABILITATION FORT MOTT STATE PARK PENNSVILLE, NJ 08070</p>			
<p>FORT MOTT SEAWALL USACE NWP-3 IMPACT DRAWINGS</p>			
<p>PREPARED BY: GZA GeoEnvironmental Inc. Engineers and Scientists www.gza.com</p>	<p>PREPARED FOR: State of New Jersey DPMC Bureau of Design and Construction P.O. Box 235 Trenton, New Jersey 08625-0235</p>		
<p>PROJ MGR: HF DESIGNED BY: AJC DATE: NOVEMBER, 2022</p>	<p>REVIEWED BY: HF DRAWN BY: JTP PROJECT NO.: 12.0077027.00</p>	<p>CHECKED BY: CSA SCALE: AS NOTED REVISION NO.</p>	<p>DWG 1 SHEET NO. 1 OF 1</p>
<p>CHRISTOPHER S. ADAMS, P.E. N.J. PROFESSIONAL ENGINEER NO. 34025110000 GSE</p>			

