



**Maryland**  
Department of  
the Environment

Wes Moore, Governor  
Aruna Miller, Lt. Governor

Serena McIlwain, Secretary  
Suzanne E. Dorsey, Deputy Secretary

November 20, 2023

BayLand Consultants & Designers, Inc  
c/o Chris Rager  
Bayland Consultants & Designers, Inc  
7455 New Ridge Road, Ste T  
Hanover, MD 21076

Via email: [crager@baylandinc.com](mailto:crager@baylandinc.com)

Re: Agency Interest Number: 88592  
Tracking Number: 202061428  
Tidal Authorization Number: 23-WQC-0041

Dear Cove Creek Club HOA:

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

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

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

You should not begin any work until you have obtained all necessary State, local, and federal authorizations. Please contact James Chang at [James.Chang@maryland.gov](mailto:James.Chang@maryland.gov) or 410-537-4519 with any questions.

Sincerely,

*Tammy Roberson*

Tammy K. Roberson,  
Chief  
Tidal Wetlands Division



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



23-WQC-0041

EFFECTIVE DATE: **November 20, 2023**  
CERTIFICATION HOLDER: **Cove Creek Club HOA**  
ADDRESS: **Attn: Mark A McCloy**  
**114 North Creek Ct**  
**Stevensville, MD 21666**

PROJECT LOCATION: **114 North Creek Ct**  
**Stevensville, MD 21666**

**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, WATER AND SCIENCE ADMINISTRATION HAS DETERMINED THAT THE REGULATED ACTIVITIES DESCRIBED IN THE REQUEST FOR CERTIFICATION FOR THE PROPOSED MAINTENANCE DREDGE AND BEACH NOURISHMENT AND AS DESCRIBED IN THE ATTACHED PLAN SHEETS DATED OCTOBER 31, 2022 AND ANY SUBSEQUENT MODIFICATIONS APPROVED BY THE DEPARTMENT WILL NOT VIOLATE MARYLAND'S WATER QUALITY STANDARDS, IF CONDUCTED IN ACCORDANCE WITH THE CONDITIONS OF THIS CERTIFICATION.**

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

## **PROJECT DESCRIPTION**

*Mechanically or hydraulically maintenance dredge a 540-foot long by 25-foot wide spur channel to the depth of 5.0 feet at mean low water and mechanically dredge a 150-foot long by 100-foot wide area at the entrance of the channel to a depth of 5.0 feet at mean low water; and to deposit approximately 900 cubic yards of dredging material at an approved upland disposal site located southwest of Terrapin Lane and Penny Lane; and to provide for periodic maintenance dredging for six years; and construct a beach nourishment project by emplacing approximately 1,707 cubic yards of dredged material into a 39,501 square foot area to reclaim lost beach, all extending a maximum of 78 feet channelward of the mean high water line.*

## **GENERAL CONDITIONS**

1. All water quality-related performance standards and conditions required by the Department in any state issued authorization for activities in tidal wetlands, nontidal wetlands, their 100-year floodplains, nontidal wetlands buffers, or nontidal wetland expanded buffers to ensure that any discharges will not result in a failure to comply with water quality standards in COMAR 26.08.02 or any other water quality requirements of state law or regulation shall be met.
2. This Certification does not obviate the need to obtain required authorizations or approvals from other State, federal or local agencies as required by law.
3. All additional authorizations or approvals, including self-certifying General Permits issued by the Department, shall be obtained and all conditions shall be completed in compliance with such authorizations.
4. The proposed project shall be constructed in accordance with the approved final plan by the Department, or, if Department approval is not required, the plan approved by the U.S. Army Corps of Engineers, and its approved revisions.
5. All fill and construction materials not used in the project shall be removed and disposed of in a manner which will prevent their entry into waters of this State.
6. This Certification does not authorize any injury to private property, any invasion of rights, or any infringement of federal, state, or local laws or regulations.
7. Authorized representatives of the Department shall be provided access to the site of authorized activities during normal business hours to conduct inspections and evaluations of the operations and records necessary to assure compliance with this Certification.
8. Temporary construction trailers or structures, staging areas and stockpiles shall not be located within tidal wetlands, nontidal wetlands, nontidal wetlands buffers, or the 100-year floodplain unless specifically included on the Approved Plan.
9. This Certification is valid for the project identified herein and the associated U.S. Army Corps of Engineers authorization NAB-2020-61428 until such time that it expires or is not administratively extended

## **SPECIAL CONDITIONS**

1. All Critical Area requirements shall be followed and all necessary authorizations from the Critical Area Commission (“Commission”) shall be obtained. This Certification does not constitute authorization for disturbance in the 100-foot Critical Area Buffer. “Disturbance” in the Buffer means clearing, grading, construction activities, or removal of any size of tree vegetation. Any anticipated Buffer disturbance requires prior written approval, before commencement of land disturbing activity, from local jurisdiction in the form of a Buffer Management Plan
2. All work performed under this Water Quality Certificate 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. Licensing by MCLB shall occur prior to the beginning of construction activities. A list of licensed marine contractors may be obtained by

contacting the MCLB at 410-537-3249, by e-mail at [MDE.MCLB@maryland.gov](mailto:MDE.MCLB@maryland.gov) or by accessing the Maryland Department of the Environment, Environmental Boards webpage.

3. The issuance of this Certificate 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 Certificate Holder of the obligation to resolve any existing noncompliant structures and activities within tidal wetlands.
4. The Certificate Holder shall transport all dredged material in watertight trucks. No dredged material shall be discharged onto the roadways of the state.
5. The Certificate Holder shall dispose of dredged material only at the dredge disposal site approved by this Certificate. The Certificate Holder shall submit an application for modification of the Certificate to MDE for approval of any dredge disposal site not authorized within the Certificate.
6. The Certificate Holder shall conduct subsequent maintenance dredging within the scope of this certificate in terms of authorized dredge area and authorized depths. The Certificate Holder shall:
  - a. Dredge no more than 500 cubic yards of material at each maintenance dredging.
  - b. Comply with all applicable conditions of this Certification.
  - c. Submit a detailed dredged material disposal plan to be approved by the Water and Science Administration, Tidal Wetlands Division prior to the start of dredging.
  - d. Notify and receive approval from the Water and Science Administration, Compliance Program a minimum of 10 days prior to the start of each maintenance dredging operations.
7. If hydraulic dredging is performed, the dredged material placement site (DMP) shall be constructed to limit turbidity in the discharge to waters of the State. A turbidity sample of the discharge water shall be performed every hour of active pumping to the DMP or when there is an observed change in the clarity of the water. Turbidity in the discharge may not exceed 150 units at any time or 50 units as a monthly average. Units shall be measured in Nephelometer Turbidity Units. A logbook of all turbidity monitoring shall be kept on site. The dredger shall have a person at the discharge point of the DMP in constant radio communication. If a problem is incurred, the dredging operation shall be immediately shut down until the reason for the problem can be ascertained and rectified.
8. The Certificate Holder shall stake the dredge area and receive approval from the Water and Science Administration's Compliance Division prior to the start of dredging.
9. The Certificate Holder shall conduct a post dredge bathymetric survey and forward it to the Water and Science Administration, Tidal Wetlands Division within 45 days after the termination of any phase of dredging.
10. Dredged material pipelines shall be installed, marked and maintained in accordance with all U.S. Coast Guard requirements for navigational safety. Dredge material pipelines and associated equipment shall be removed as soon as practicable, upon completion of activities authorized under this Certificate.
11. The Certificate Holder shall contact the Commander, Fifth Coast Guard District Fifth Coast Guard District, Federal Building, 431 Crawford Street, Portsmouth, Virginia 23705 and obtain approval for the installation of the hydraulic dredge pipe along the proposed route.
12. If the Certificate Holder does not obtain approval from the U.S. Coast Guard, or the U.S. Coast Guard denies the Certificate Holder's application, The Certificate Holder may only proceed with mechanical dredging or submit an application to MDE for a modification to the State License.

13. If the U.S. Coast Guard's approval alters the proposed pipeline route, the certificate holder shall submit an application and revised plans to MDE for a modification to the State license.
14. To ensure navigational safety, the Certificate Holder shall conspicuously mark the location of the pipeline along the entire length of the pipeline route. The Certificate Holder shall verify that the signs/markers on the pipeline remain visible and conspicuous throughout the dredging operations.
15. The dredge operator shall have a person at the discharge point of the DMP in constant radio communication. If a problem is incurred, the dredging operation shall be immediately shut down until the reason for the problem can be ascertained and rectified. MDE compliance shall be notified.
16. In the event of any inadvertent releases of dredged material into State tidal wetlands from a pipe breakage, all dredging operations shall immediately cease. The Certificate Holder shall take steps to stop all dredged material from entering State tidal wetlands and shall immediately notify MDE's Compliance Program of the pipe breakage. The Certificate Holder shall not resume dredging operations until receiving approval from MDE's Compliance Program.
17. The Certificate Holder shall use clean substrate fill material, no more than 10% of which shall pass through a standard 100 sieve for the beach nourishment.

## **CITATIONS AND STATEMENTS OF NECESSITY**

1. Statement of Necessity for General Conditions 1, 2, 3, 4, and Special Conditions 1, 3: These conditions are necessary to ensure that water quality standards are met, and designated uses are maintained: 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 26.08.02.10E; COMAR 26.23.02.06; COMAR 26.17.04; COMAR 26.23; COMAR 26.24

2. Statement of Necessity for General Conditions 5, 8, and Special Conditions 15, 16, 17: 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.

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

3. Statement of Necessity for General Conditions 6: The 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

4. Statement of Necessity for General Conditions 7: 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.

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 26.23.02.06; COMAR 26.23; COMAR 26.24; COMAR 26.17.04

5. Statement of Necessity for General Conditions 9: This Certification is valid for the project identified herein and the associated U.S. Army Corps of Engineers authorization NAB-2020-61428 until such time that it expires or is not administratively extended.

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 26.23.02.06; COMAR 26.23; COMAR 26.24; COMAR 26.17.04

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

7. Statement of Necessity for Special Condition 4, 7: The condition is necessary to ensure that no dredged material enters waters of the United States or State and will not result in a violation of water quality standards for turbidity and interfere with designated uses.

Citations: COMAR 26.08.02.02B(1)(d); COMAR 26.08.02.02B(3); COMAR 26.08.02.03B

8. Statement of Necessity for Special Condition 4, 5, 6: This condition is necessary to ensure that dredged material is removed which prevents its re-entry into Waters of the United States, where its release may result in failure to meet turbidity standards and failure to meet designated uses for Turbidity; Discharge of dredged material may interfere with designated uses or support of estuarine and marine aquatic life and shellfish harvesting and may result impacts to water quality, clarity, growth and propagation of fish, other aquatic life, and wildlife.

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, 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; 26.08.02.01B(2); 26.08.02.02B(1) and 26.08.02.02B(3) 26.08.02.03B

9. Statement of Necessity for Special Conditions 6: The limits on the scope of maintenance dredging are necessary to ensure that no discharges would violate water quality standards and designated uses for water clarity, turbidity, growth and propagation of fish, other aquatic life, and wildlife; and water contact .

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; 33 U.S.C. § 1341(a), (b), & (d); 33 U.S.C. § 1251(b); 33 U.S.C. § 1370; Md. Ann. Code, Env. Article, Title 1, Subtitles 3 and 4; Md. Ann. Code, Md. Ann. Code, Env. Article, Title 9, Subtitle 3; Md. Ann. Code, Env. Article, Title 16; COMAR 26.08; COMAR 26.08.02.10G(3); COMAR 26.24

10. Statement of Necessity for Special Conditions 8: The condition is necessary to ensure that no dredged material will result in a violation of water quality standards for turbidity and interfere with designated uses.

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, 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 26.08.02.03B(1)(b); COMAR 26.08.02.03B(2)

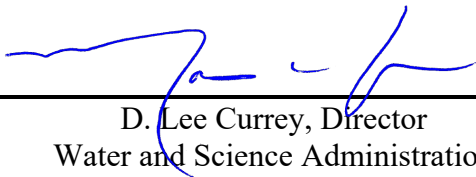
11. Statement of Necessity for Special Conditions 9: The condition is necessary to ensure that discharges associated with dredging result in water depths which are appropriate to support designated uses of fishing and water contact recreation and propagation of fish, other aquatic life and wildlife; and ensure that no discharges are unsightly, create a nuisance, change to an objectionable color or interferes with designated uses.

Citations: COMAR 26.08.02.01B(2); COMAR 26.08.02.02B(1); 26.08.02.02B(3); COMAR 26.08.02.03B

12. Statement of Necessity for Special Conditions 10, 11, 12, 13, 14: The condition is necessary to ensure that discharge will not interfere with designed uses for water contact, recreation, and fishing. It is necessary to ensure a nuisance is not created.

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

## CERTIFICATION APPROVED

  
\_\_\_\_\_  
D. Lee Currey, Director  
Water and Science Administration

11/20/2023

\_\_\_\_\_  
Date

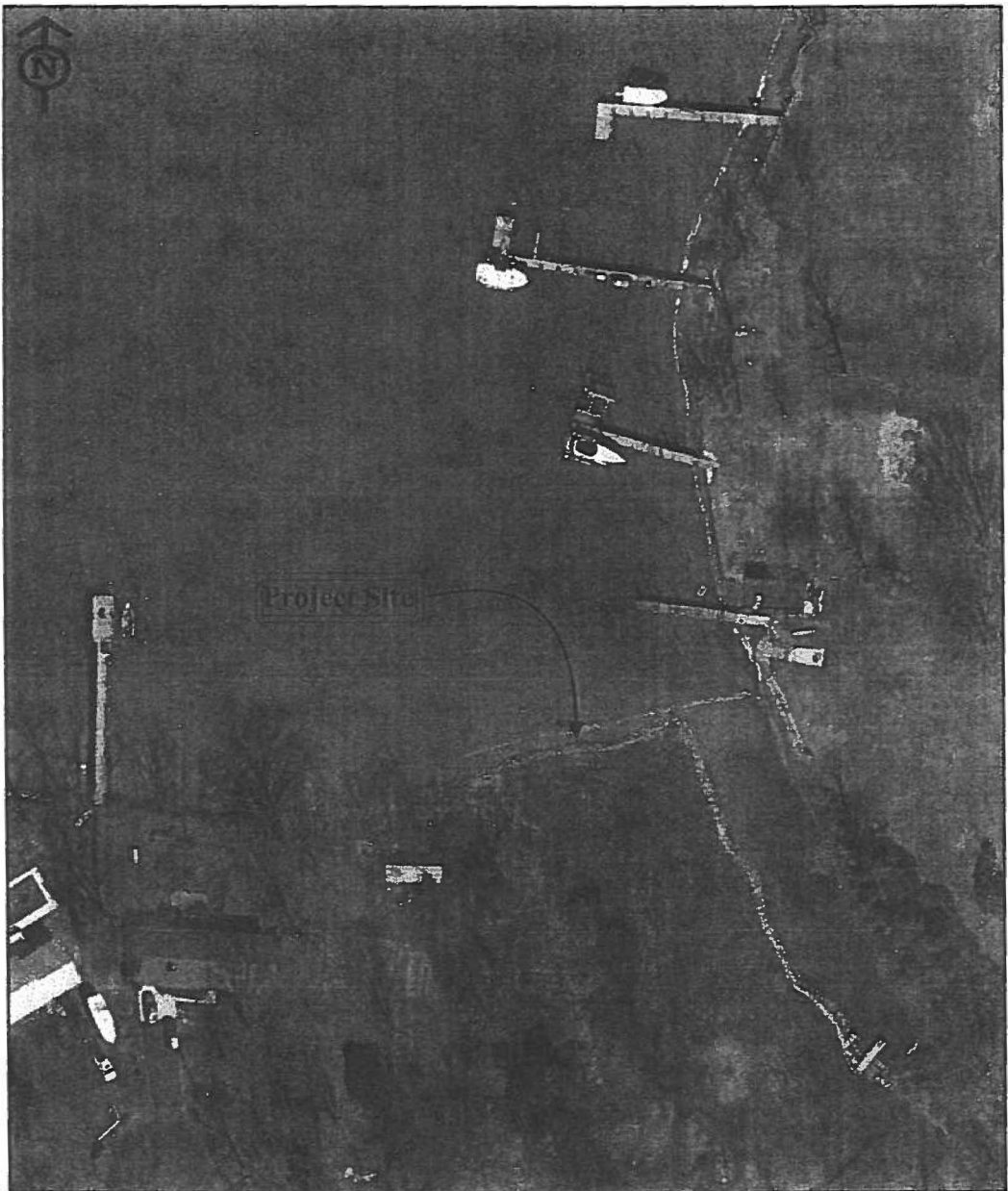
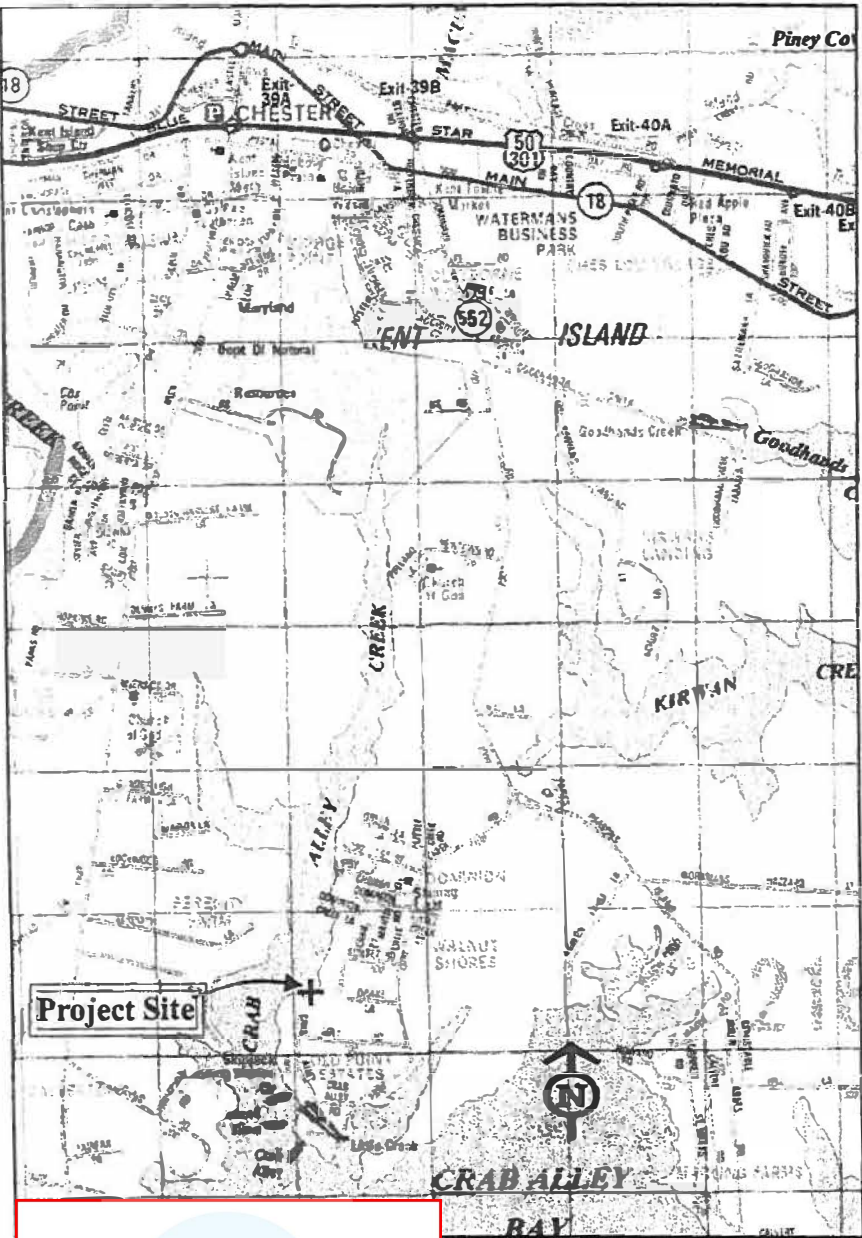
Tracking Number: 202061428  
Agency Interest Number: 88592

Effective Date: **November 20, 2023**

Enclosure: Plan Sheets dated **October 31, 2022**

cc: WSA Inspection & Compliance Program  
Army Corps of Engineers





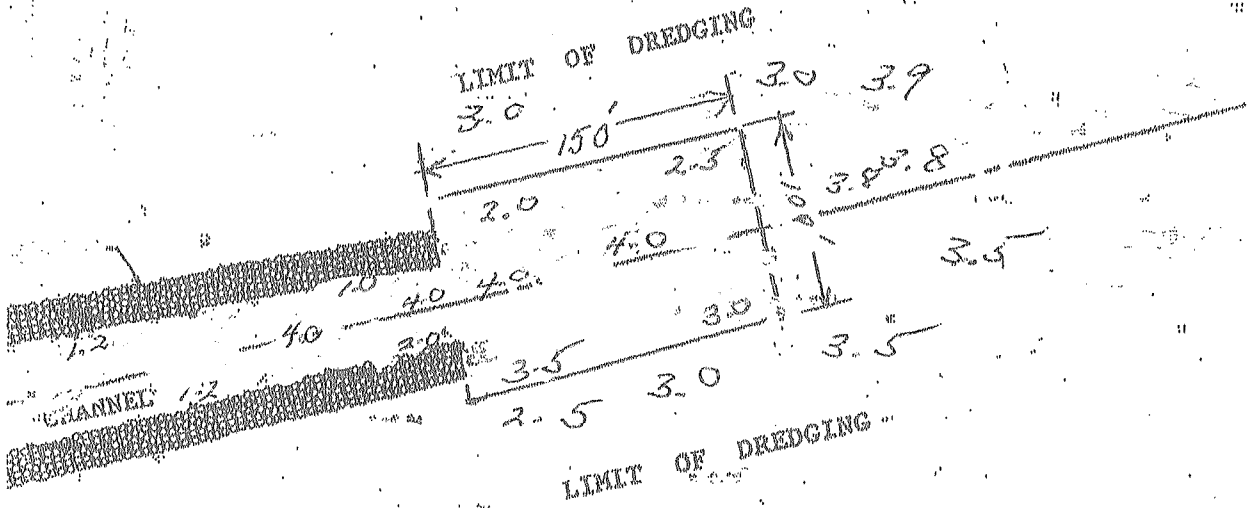
20-WL-0957(R1)  
 202061428  
 88592  
 10-31-2022  
 JNC

**APPLICANT:** Cove Creek Club  
 114 North Creek Ct  
 Stevensville, MD 21666

**PROPOSED** Maintenance Dredging – Eastern Bay  
**AT:** Cove Creek Club Marina & Entrance Channel  
**COUNTY:** Queen Annes **STATE:** Maryland

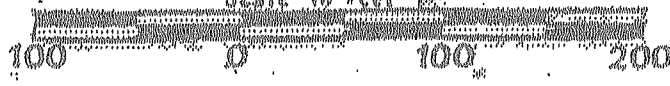


# Eastern Bay



## PLAN VIEW

Scale in feet



THIS PLAN IS FOR PERMIT PURPOSE ONLY

20-WL-0957(R1)  
 202061428  
 88592  
 10-31-2022  
 JNC  
 2 of 16

*Current August 2026*

-- Eastern Bay

APPLICANT: Cove Creek Club

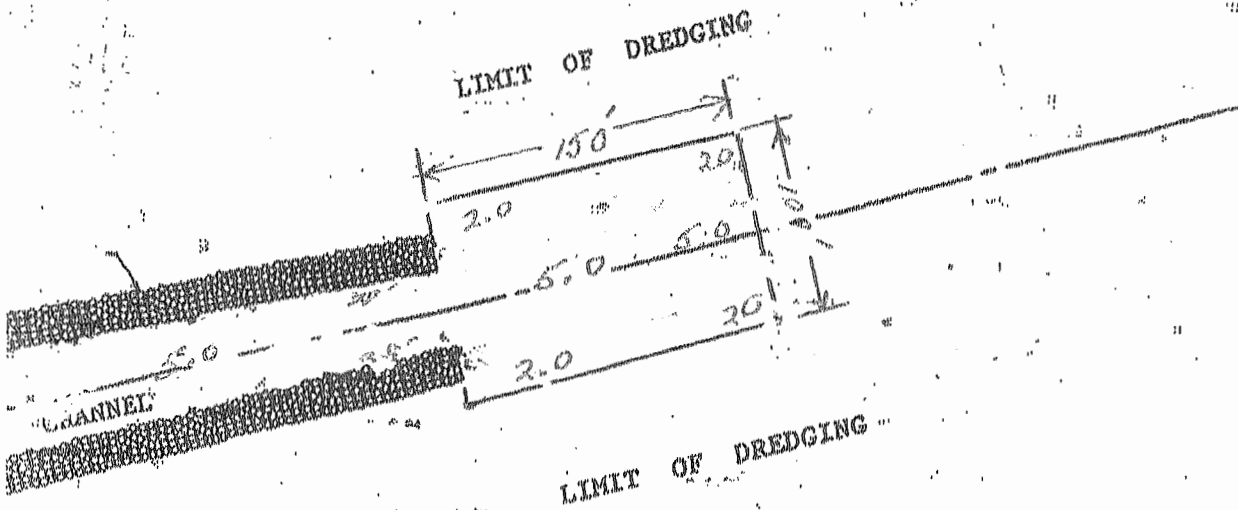
114 North Creek Ct

Stevensville, MD 21666

AT: Cove Creek Club Marina & Entrance Channel

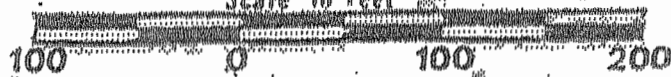
COUNTY: Queen Annes STATE: Maryland

# Eastern Bay



## PLAN VIEW

Scale in Feet

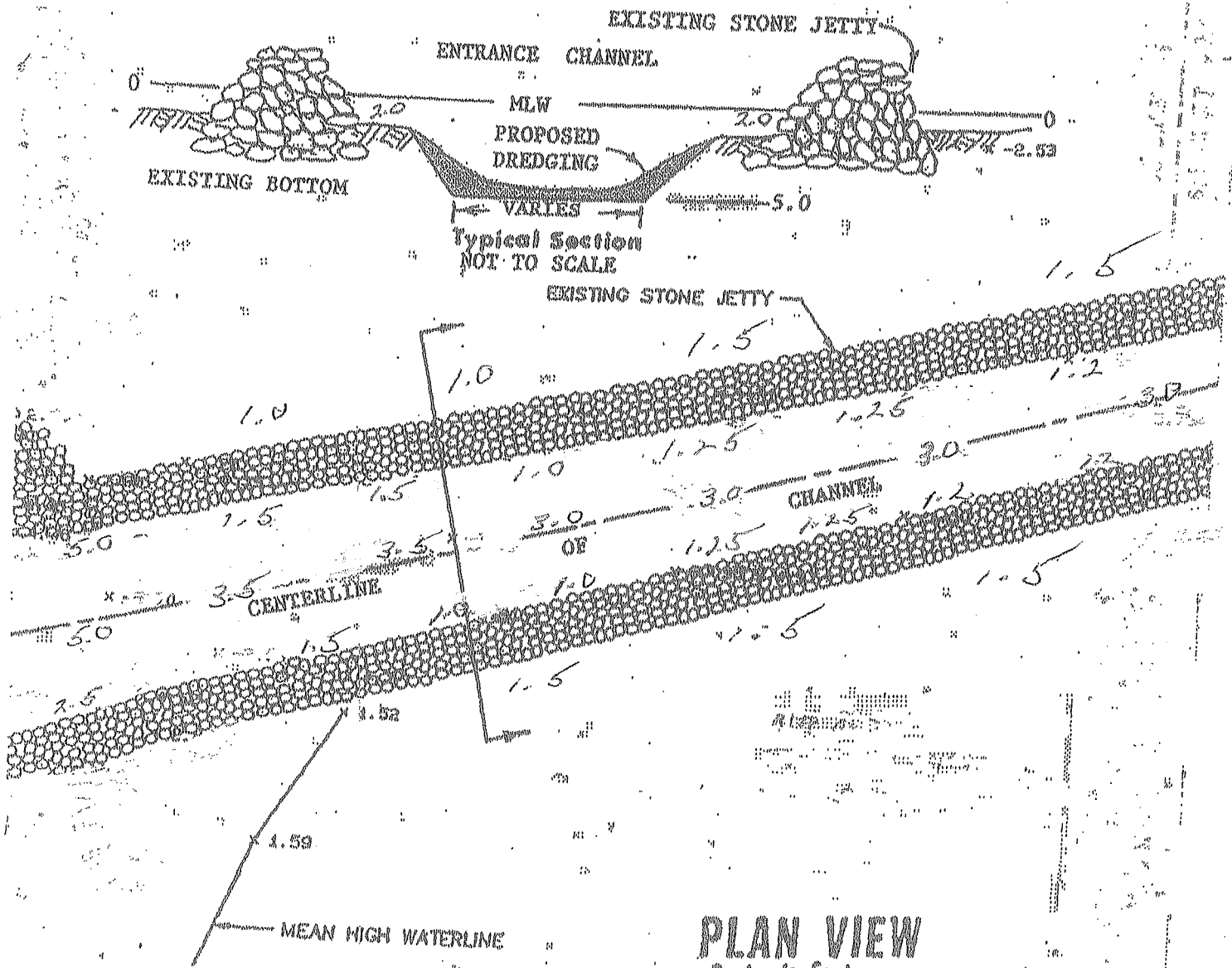


THIS PLAN IS FOR PERMIT PURPOSE ONLY

20-WL-0957(R1)  
202061428  
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10-31-2022  
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3 of 16

APPLICANT: Cove Creek Club  
114 North Creek Ct  
Stevensville, MD 21666

PROPOSED Maintenance Dredging -- Eastern Bay  
AT: Cove Creek Club Marina & Entrance Channel  
COUNTY: Queen Annes STATE: Maryland



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20-WL-0957(R1)  
 202061428  
 88592  
 10-31-2022  
 JNC  
 4 of 16

Current August 2020

APPLICANT: Cove Creek Club

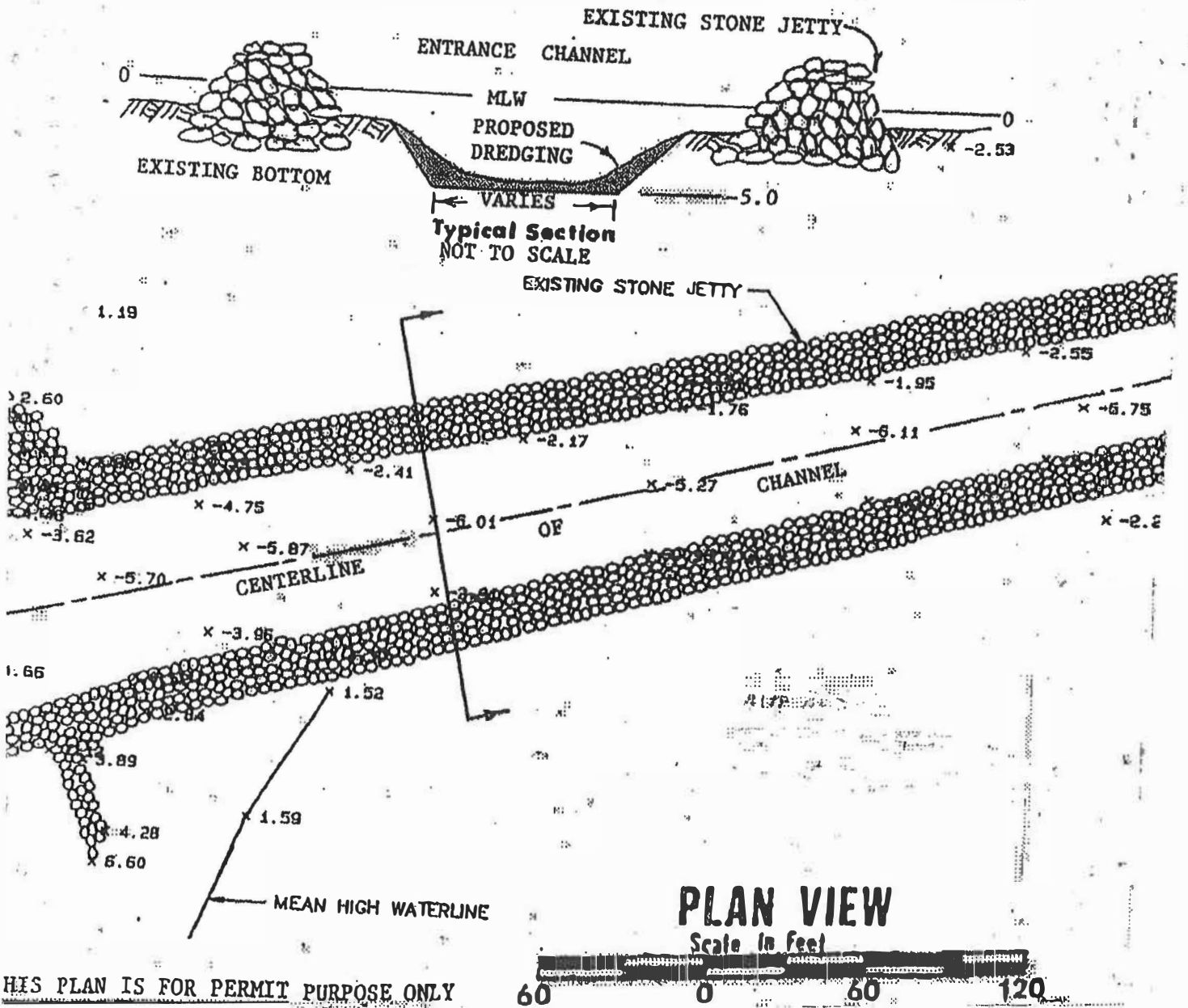
— Eastern Bay

114 North Creek Ct

AT: Cove Creek Club Marina & Entrance Channel

Stevensville, MD 21666

COUNTY: Queen Annes STATE: Maryland

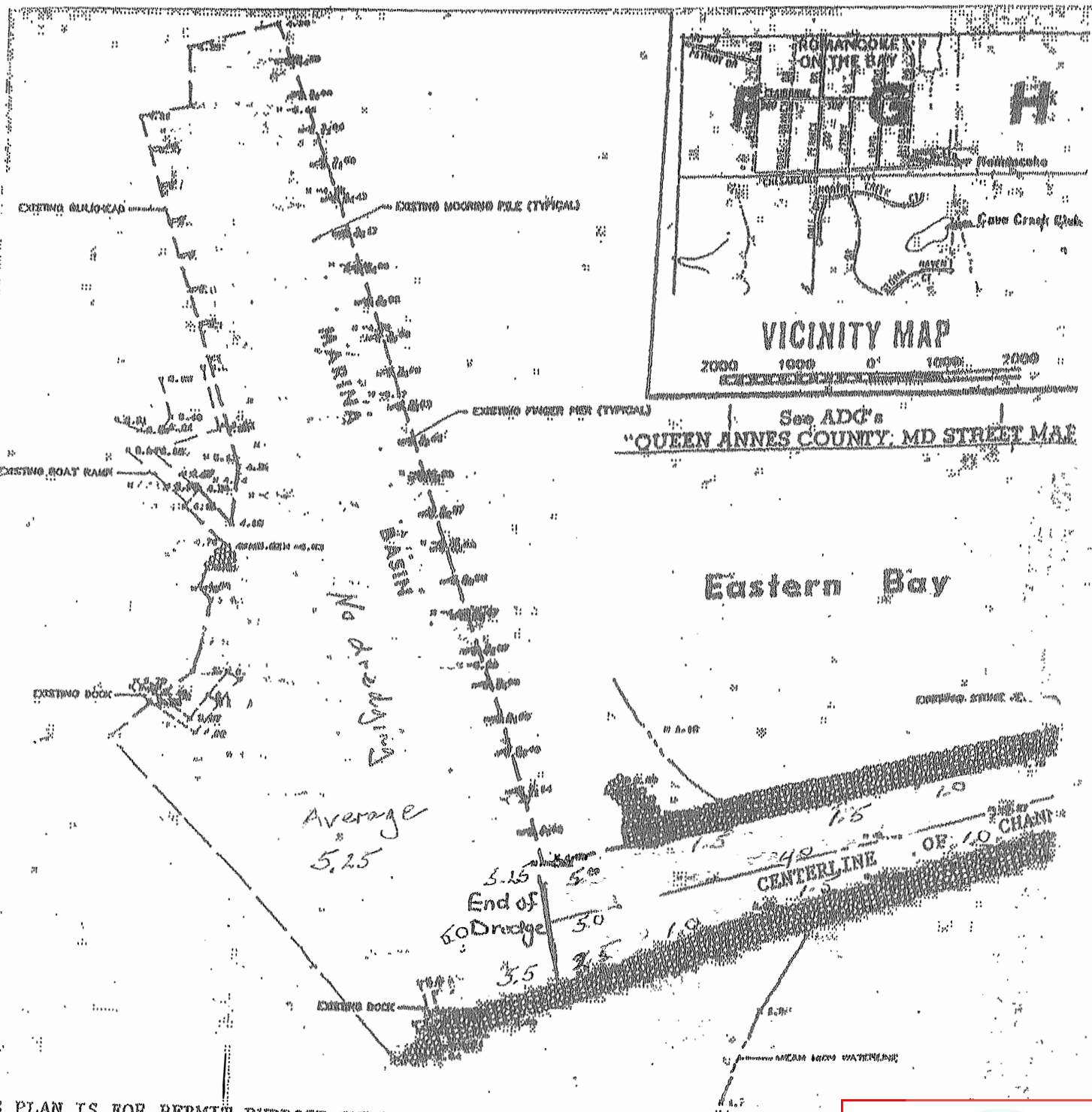


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 5 of 16

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PROPOSED Maintenance Dredging – Eastern Bay  
 AT: Cove Creek Club Marina & Entrance Channel  
 COUNTY: Queen Annes STATE: Maryland





THIS PLAN IS FOR PERMIT PURPOSE ONLY.

20-WL-0957(R1)  
 202061428  
 88592  
 10-31-2022  
 JNC  
 6 of 16

*Current August*

APPLICANT: Cove Creek Club  
 114 North Creek Ct  
 Stevensville, MD 21666

— Eastern Bay  
 AT: Cove Creek Club Marina & Entrance Channel  
 COUNTY: Queen Annes STATE: Maryland





**SPOIL SITE**

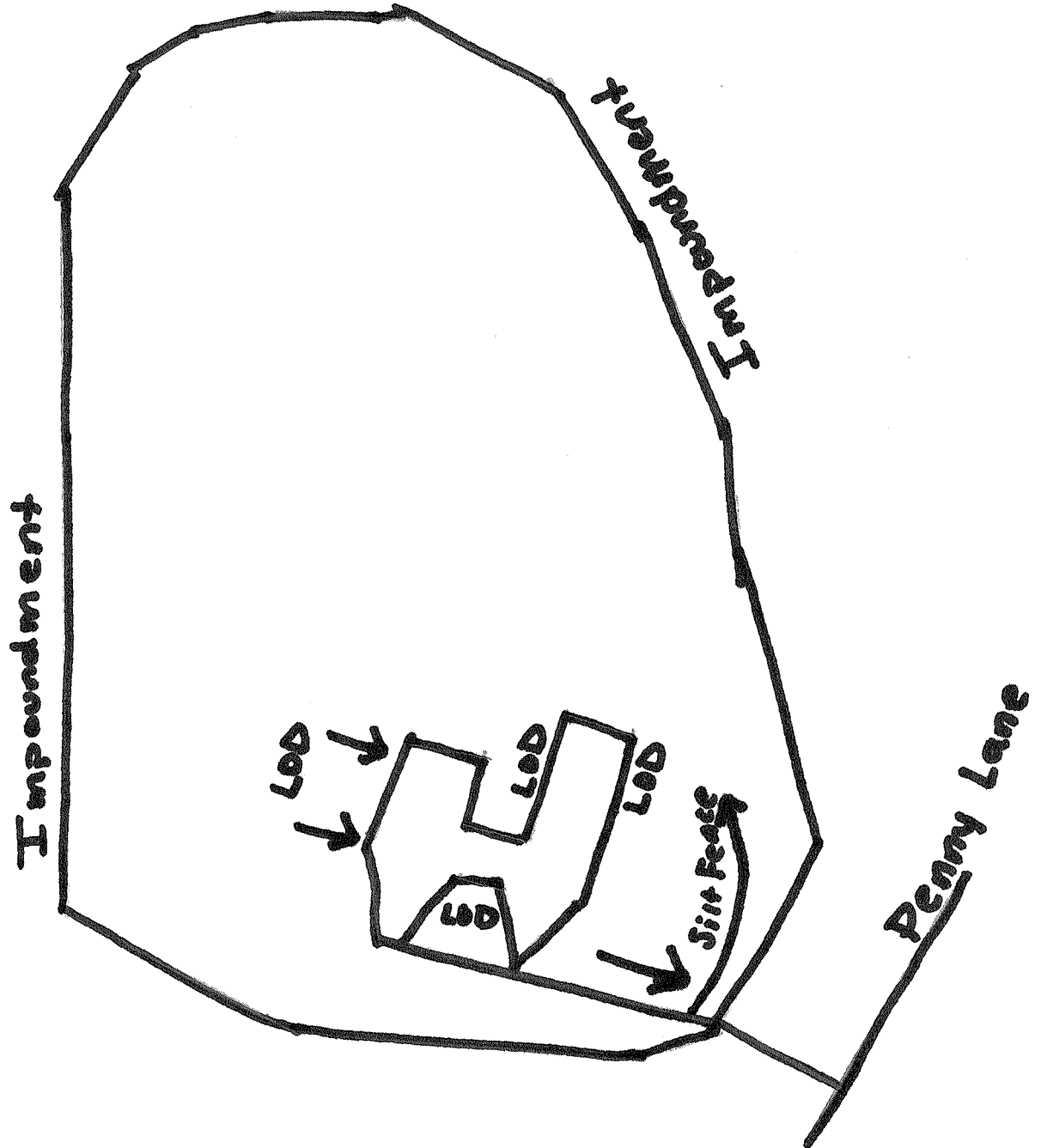
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20-WL-0957(R1)  
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 10-31-2022  
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 7 of 16

APPLICANT: Cove Creek Club  
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PROPOSED Maintenance Dredging – Eastern Bay  
 AT: Cove Creek Club Marina & Entrance Channel  
 COUNTY: Queen Annes STATE: Maryland

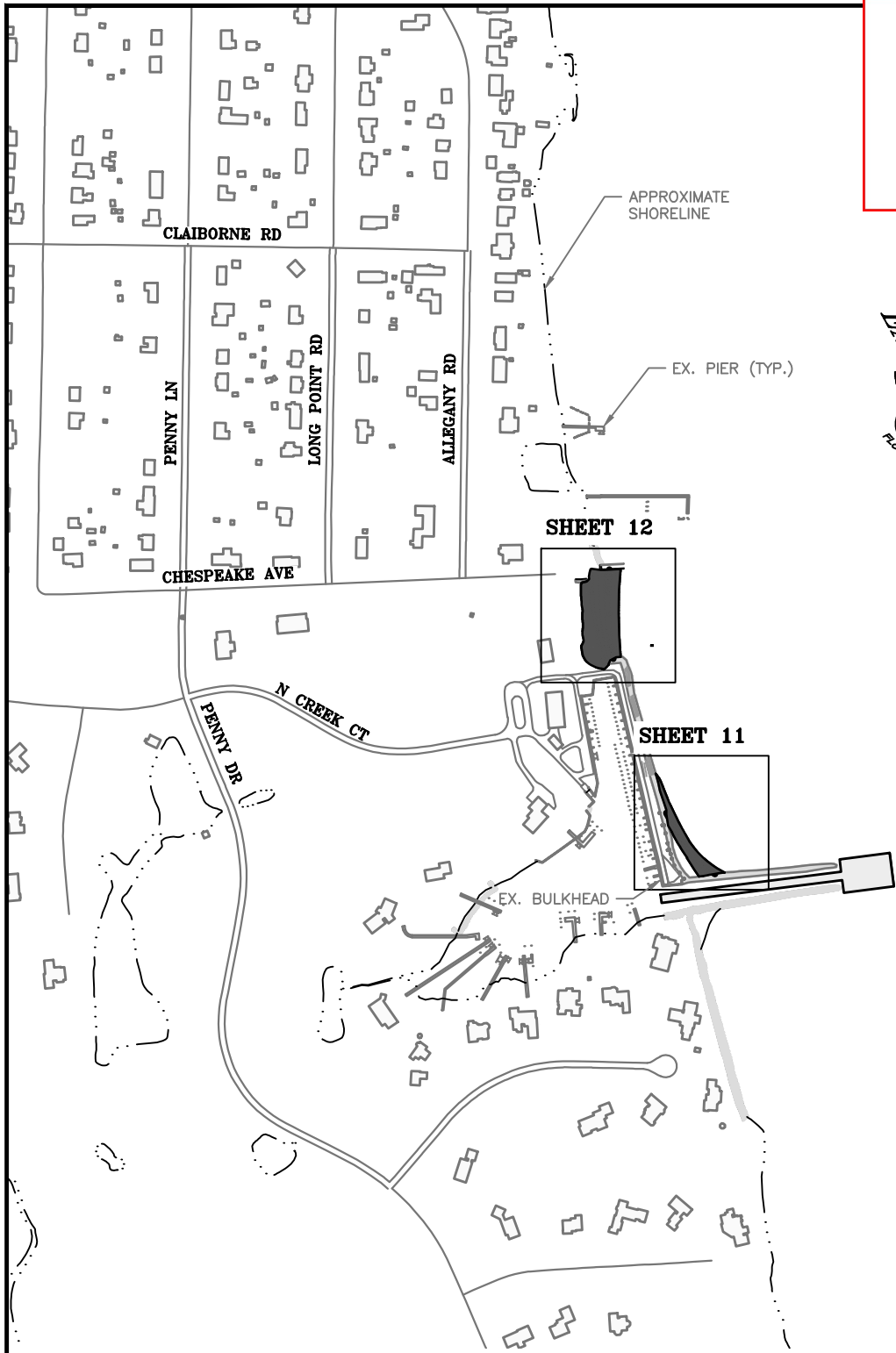
Dredge Spoil Site  
LOD = 14,620 SF  
Scale: 7" = 1,000



10/24/20

20-WL-0957(R1)  
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10-31-2022  
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8 of 16

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9 of 16

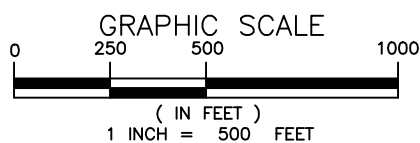


**COVE CREEK CLUB DREDGING AND  
BEACH NOURISHMENT  
AT  
QUEEN ANNE'S COUNTY, MD**

APPL. BY: COVE CREEK CLUB

**PLACEMENT KEY SHEET**

DATE: OCTOBER 2022 SHEET 9 OF 16



**NOTE:**  
1. BASEMAP TAKEN FROM QUEEN ANNE'S  
COUNTY 2015 PLANIMETRICS AND 2019  
IMAGERY.

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

20-WL-0957(R1)  
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10 of 16



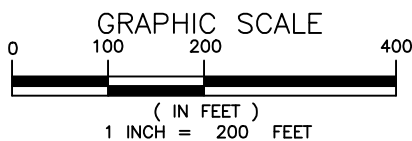
# COVE CREEK CLUB DREDGING AND BEACH NOURISHMENT AT QUEEN ANNE'S COUNTY, MD

APPL. BY: COVE CREEK CLUB

## EXISTING CONDITIONS

DATE: OCTOBER 2022 SHEET 10 OF 16

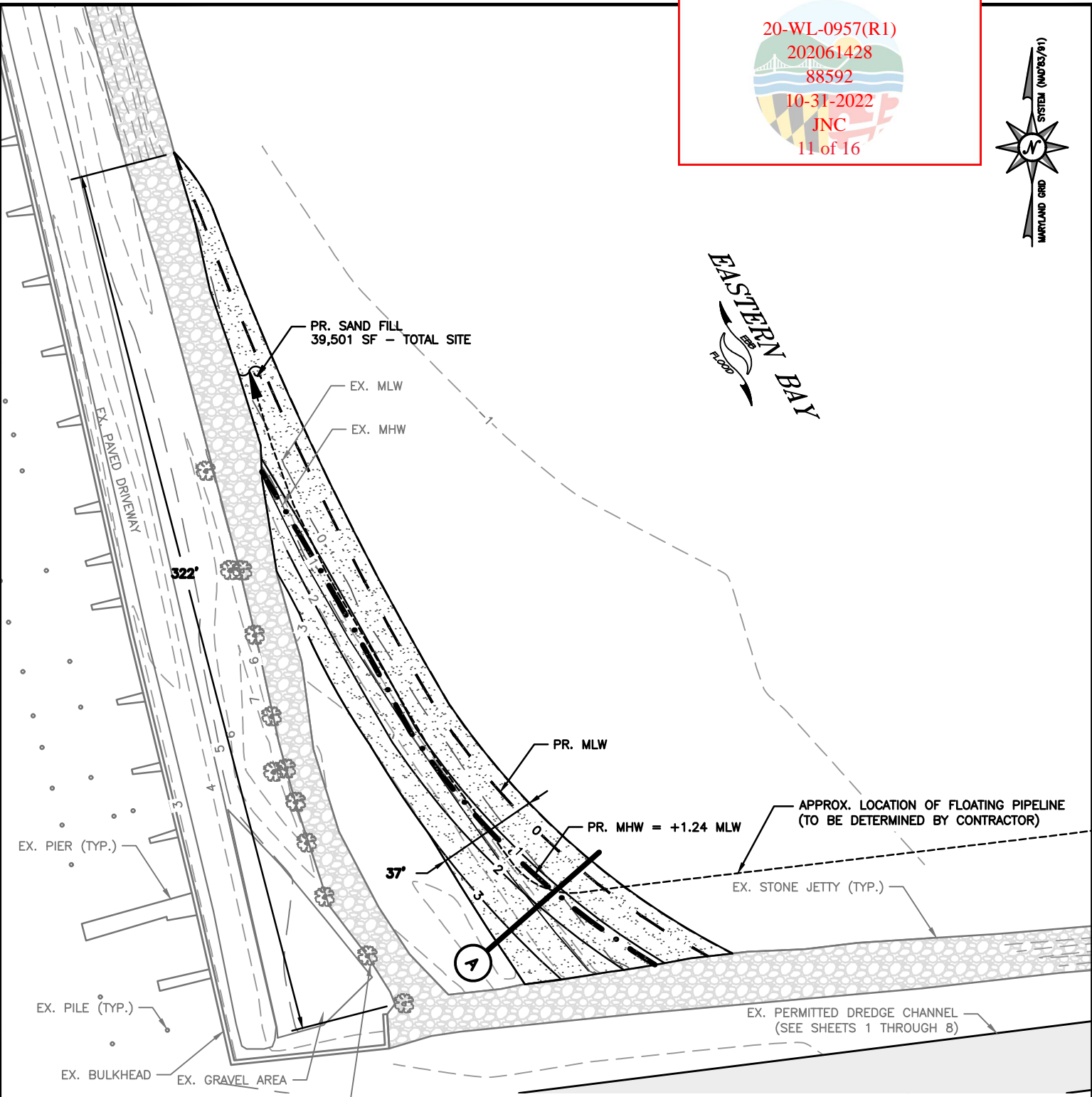
**NOTE:**  
1. BASEMAP TAKEN FROM QUEEN ANNE'S  
COUNTY 2015 PLANIMETRICS AND 2019  
IMAGERY.



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Hanover, Maryland 21076 Fax: (410) 694-9405  
www.baylandinc.com

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 10-31-2022  
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 11 of 16



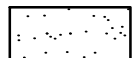


**COVE CREEK CLUB DREDGING AND  
 BEACH NOURISHMENT  
 AT  
 QUEEN ANNE'S COUNTY, MD**

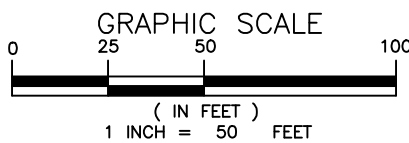
APPL. BY: COVE CREEK CLUB

**SITE PLAN**

DATE: OCTOBER 2022 SHEET 11 OF 16

**LEGEND**

-  PR. SAND FILL
-  PR. MLW
-  PR. MHW



**NOTE:**

1. BASEMAP TAKEN FROM QUEEN ANNE'S COUNTY 2015 PLANIMETRICS AND 2019 IMAGERY.



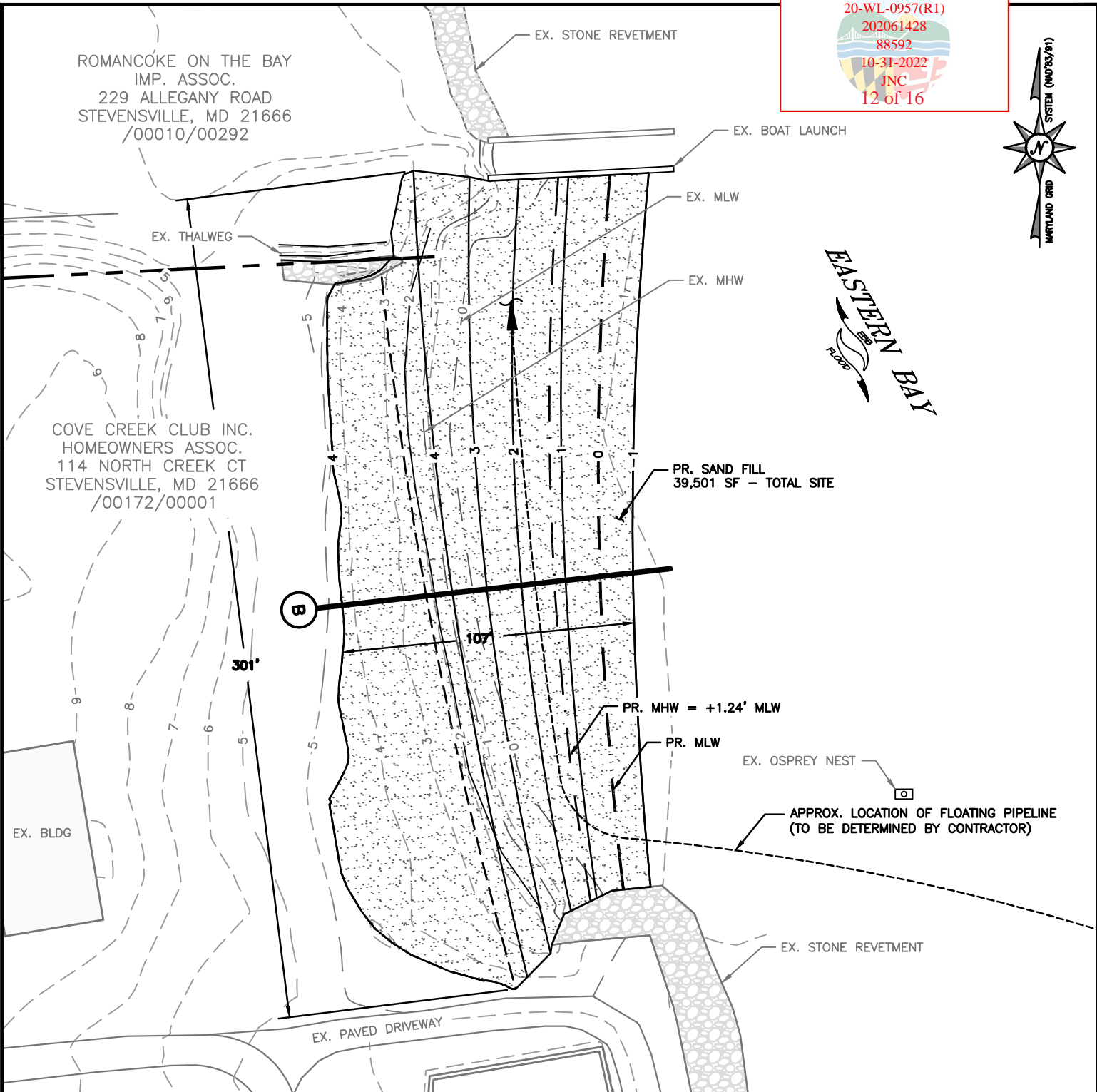
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 12 of 16



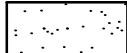


**COVE CREEK CLUB DREDGING AND  
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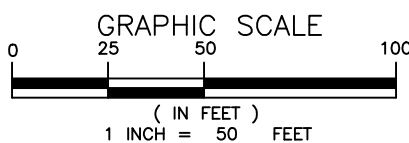
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**SITE PLAN**

DATE: OCTOBER 2022 SHEET 12 OF 16

**LEGEND**

-  PR. SAND FILL
-  PR. MLW
-  PR. MHW



**NOTE:**  
 1. BASEMAP TAKEN FROM QUEEN ANNE'S  
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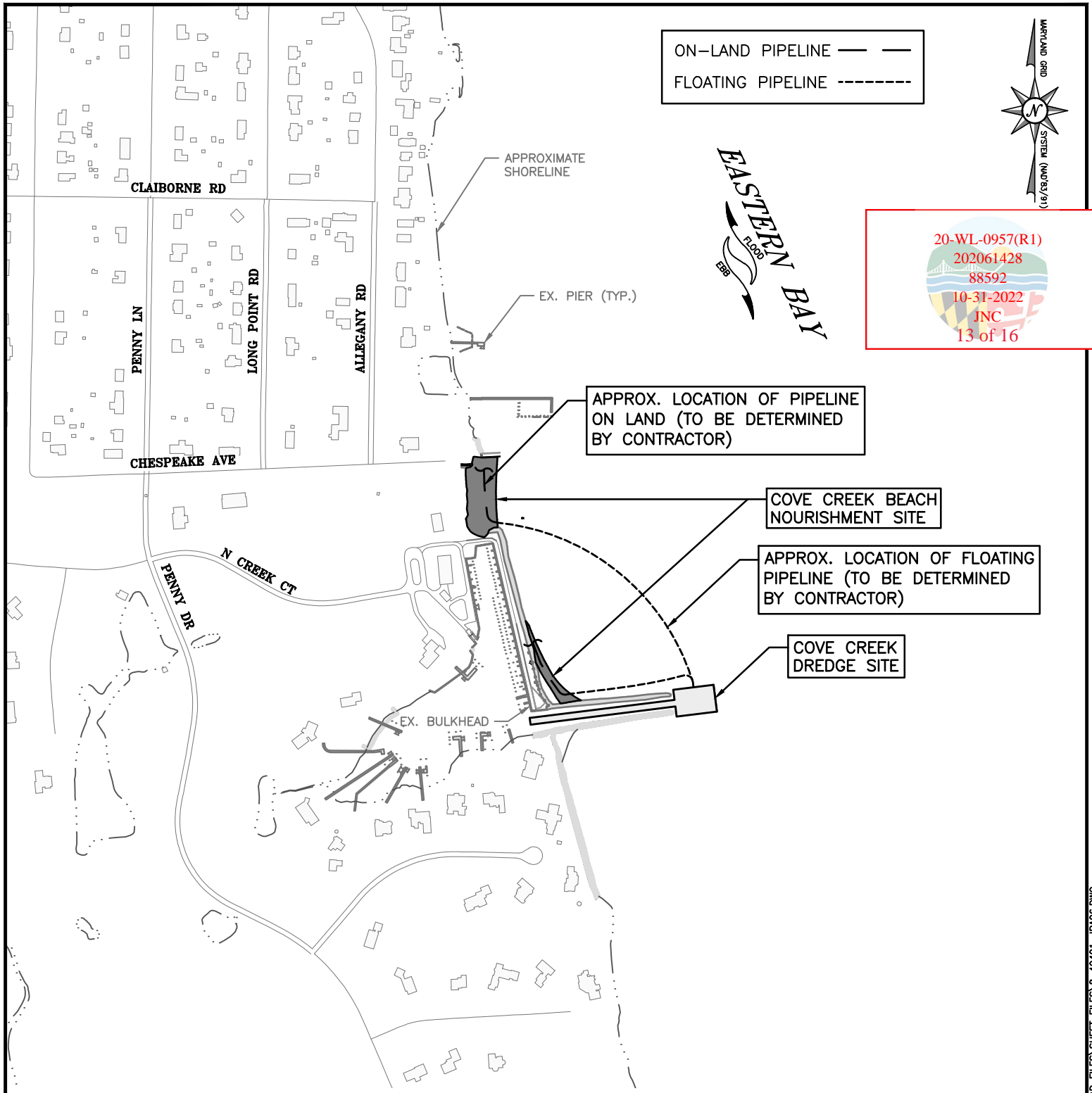
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ON-LAND PIPELINE — — —  
FLOATING PIPELINE - - - - -



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13 of 16

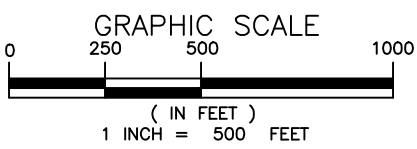


# COVE CREEK CLUB DREDGING AND BEACH NOURISHMENT AT QUEEN ANNE'S COUNTY, MD

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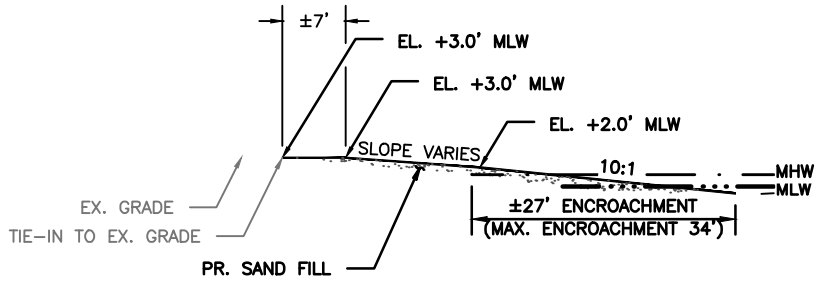
## HYDRAULIC PIPELINE PLAN

DATE: OCTOBER 2022 SHEET 13 OF 12

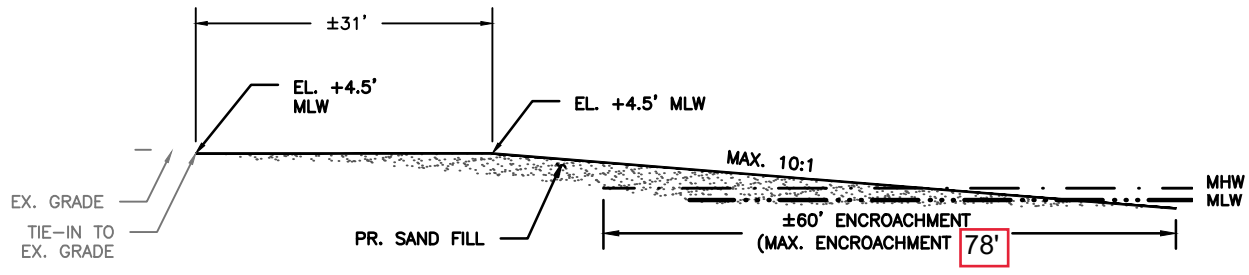


NOTE:  
1. BASEMAP TAKEN FROM QUEEN ANNE'S COUNTY 2015 PLANIMETRICS AND 2019 IMAGERY.

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**SECTION A**  
 SCALE: 1" = 20'



**SECTION B**  
 SCALE: 1" = 20'

COVE CREEK CLUB DREDGING AND  
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 QUEEN ANNE'S COUNTY, MD

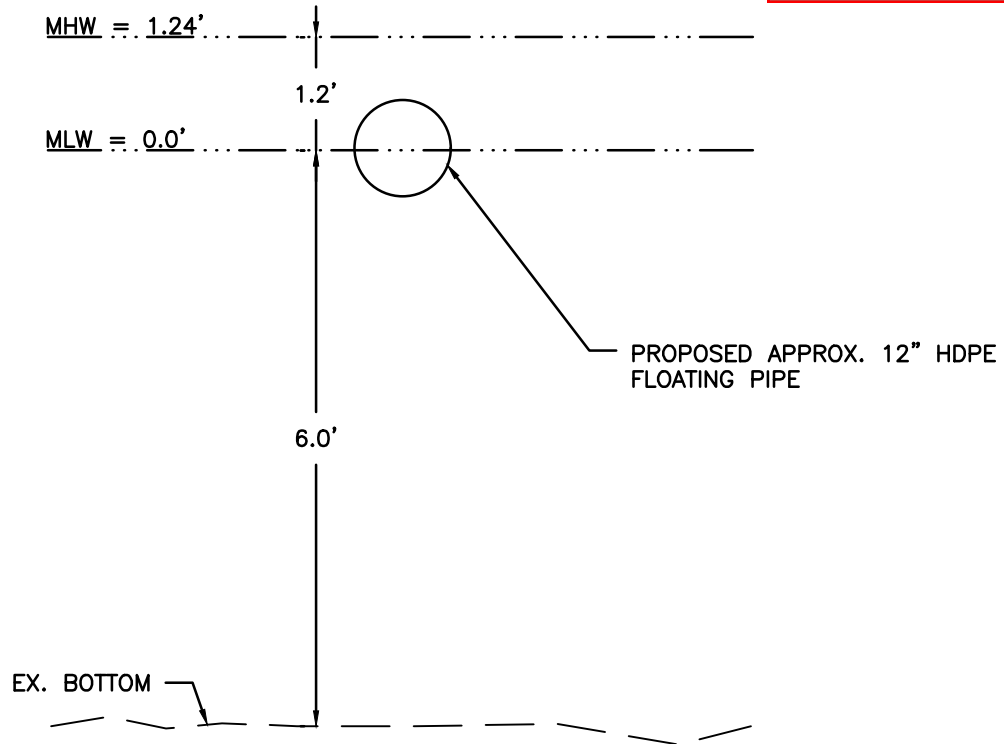
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**CROSS SECTIONS**

DATE: OCTOBER 2022 SHEET 14 OF 16

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## TYPICAL HYDRAULIC INGRESS/EGRESS PIPE SECTION

SCALE: NTS

COVE CREEK CLUB DREDGING AND  
BEACH NOURISHMENT  
AT  
QUEEN ANNE'S COUNTY, MD

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HYDRAULIC PIPELINE SECTION

DATE: OCTOBER 2022 SHEET 15 OF 16



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## PROJECT SUMMARY

SAND FILL - 1,707 CY TOTAL (39,501 SF);  
MAX. CHANNELWARD ENCROACHMENT - 78 FT  
TOTAL LENGTH - 623 LF  
AVERAGE WIDTH - 72 FT

## IMPACT SUMMARY

TOTAL AREA OF IMPACTS FROM MHW INTO TIDAL WATERS: 0 SF  
TOTAL NEW AREA OF PERMANENT IMPACT TO SHALLOW WATER HABITAT (NEW SAND PLACEMENT): 18,541 SF (0.43 ACRES)  
AREA OF IMPACT TO PRIVATE TIDAL WETLANDS: 0 SF

## NOTES

1. BASEMAP COMPILED FROM QUEEN ANNE'S COUNTY 2015 PLANIMETRICS AND 2019 IMAGERY.
2. CONTOURS ARE IN FEET AND REFER TO MLW.
3. TIDAL RANGE ~1.24 FEET.
4. HYDROGRAPHIC AND TOPOGRAPHIC SURVEY PERFORMED BY BAYLAND CONSULTANTS & DESIGNERS, INC. ON 02/17/2022 AND 03/01/2022.
5. THESE ARE PERMIT DRAWINGS ONLY AND SUBJECT TO CHANGE DURING THE PERMIT PROCESS. DESIGN DRAWINGS ARE TO BE PREPARED SEPARATELY.
6. NO SUBMERGED AQUATIC VEGETATION (SAV) OBSERVED WITHIN THE LAST 5 YEARS.

# COVE CREEK CLUB DREDGING AND BEACH NOURISHMENT AT QUEEN ANNE'S COUNTY, MD

APPL. BY: COVE CREEK CLUB

## SITE NOTES

DATE: OCTOBER 2022 SHEET 16 OF 16

20-WL-0957(R1)  
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10-31-2022  
JNC  
16 of 16



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