



Maryland

Department of the Environment

Wes Moore, Governor
Aruna Miller, Lt. Governor

Serena McIlwain, Secretary
Suzanne E. Dorsey, Deputy Secretary
Adam Ortiz, Deputy Secretary

October 22, 2025

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

Via email: rdrabick@baylandinc.com

Re: Agency Interest Number: 185168
Tracking Number: 202560152
Tidal Authorization Number: 25-WQC-0030

Dear Town of Queenstown:

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 at with any questions.

Sincerely,

Jonathan Stewart, Chief
Tidal Wetlands Division



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



25-WQC-0030

EFFECTIVE DATE: **October 22, 2025**
CERTIFICATION HOLDER: **Town of Queenstown**
ADDRESS: **P.O. Box 4**
Queenstown, MD 21658
PROJECT LOCATION: **Queenstown Harbor, end of 2nd Ave &**
Eastern Neck Wildlife Refuge
Queenstown, MD 21658

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 Town of Queenstown - Queenstown Harbor Dredging and Material Placement AND AS DESCRIBED IN THE ATTACHED PLAN SHEETS DATED November 3, 2025, 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.

The Maryland Department of the Environment satisfied the statutory and regulatory public notice requirements by placing the WQC on Public Notice from September 15th, 2025, to October 15th, 2025, on Maryland Department of the Environment's Public Notice webpage and advertising in Record Observer on October 19th, 2025.

PROJECT DESCRIPTION

1. Mechanically or hydraulically maintenance dredge a 2,575-foot long by 100-foot wide channel to a depth of 7.0 feet at mean low water; and to deposit approximately 14,600 cubic yards of dredged material at an previously approved disposal site located on the Western shore of the Eastern Neck National Wildlife Refuge; and to provide for periodic maintenance dredging for six years;

2. Construct nine breakwater extensions:
 - a. Type A(1): a 57-foot long by 22-foot wide stone breakwater.
 - b. Type A(2): a 60-foot long by 22-foot wide stone breakwater.
 - c. Type B(1): a 49-foot long by 22-foot wide stone breakwater.
 - d. Type B(2): a 51-foot long by 22-foot wide stone breakwater.
 - e. Type B(3): a 48-foot long by 22-foot wide stone breakwater.
 - f. Type B(4): a 51-foot long by 22-foot wide stone breakwater.
 - g. Type B(5): a 45-foot long by 22-foot wide stone breakwater.
 - h. Type C(1): a 44-foot long by 22-foot wide stone breakwater.
 - i. Type C(2): a 52-foot long by 22-foot wide stone breakwater.
3. Construct two 88-foot long by 8-foot wide low profile stone vents;
4. Emplace 800 (1.5-foot wide by 2.5-foot high) reef balls and;
5. Construct 10 piles for obstruction signs, all within a maximum of 239 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. The Certification Holder shall allow authorized representatives of the Department access to the site of authorized activities during normal business hours to conduct inspections and evaluations of the operations and records necessary to assure compliance with this Certification.
8. No stockpiles of any material shall be placed in Waters of the U.S. or state or private tidal wetlands.
9. Temporary construction trailers or structures, staging areas and stockpiles shall not be located within tidal wetlands, nontidal wetlands, nontidal wetlands buffers, or the 100-year floodplain unless specifically included on the Approved Plan.

10. This Certification is valid for the project identified herein and the associated U.S. Army Corps of Engineers authorization NAB- 2025-60152 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 Certificate does not constitute authorization for disturbance in the 100-foot Critical Area Buffer. “Disturbance” in the Buffer means clearing, grading, construction activities, or removal of any size of tree or vegetation. Any anticipated Buffer disturbance requires prior written approval, before commencement of land disturbing activity, from local jurisdiction in the form of a Buffer Management Plan.
2. 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 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. If the Certificate Holder transports by trucks, the trucks need to be watertight and no dredged material shall be discharged onto the roadways of the State.
5. The Certificate Holder shall conduct subsequent maintenance dredging within the scope of this license 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 license.
 - c. Submit a detailed dredged material disposal plan to be approved by the Water and Science Administration, Tidal Wetlands Division prior to the start of dredging.
 - d. Notify and receive approval from the Water and Science Administration, Compliance Program a minimum of 10 days prior to the start of each maintenance dredging operation.
6. 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.
7. The Certificate Holder shall conduct a post dredge bathymetric survey and forward to the Water and Science Administration, Tidal Wetlands Division within 45 days after the termination of any phase of dredging.
8. The Certificate Holder shall dispose of dredged material only at the dredge disposal site(s) approved by this Wetland License. The Certificate Holder shall submit an application for modification of the License to MDE for approval of any dredge disposal site not authorized within the License.

9. 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.
10. The Certificate Holder shall install, mark, and maintain all dredged material pipelines 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. If Certificate Holder does not obtain approval from the U.S. Coast Guard, or the U.S. Coast Guard denies Certificate Holder's application, the Certificate Holder may only proceed with mechanical dredging or submit an application to MDE for a modification to the associated license.
12. The Certificate Holder shall submit an application and revised plans to MDE for a modification to the associated License, if the U.S. Coast Guard's approval alters the proposed pipeline route.
13. 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.
14. In the event of any inadvertent releases of dredged material into State tidal wetlands from a pipe breakage, all dredging operations shall immediately cease. 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. Certificate Holder shall not resume dredging operations until receiving approval from MDE's Compliance Program.
15. The Licensee shall not perform any in-water work from April 15th through October 15th of any year due to submerged aquatic vegetation restrictions.

STATEMENT OF NECESSITY & CITATIONS

1. Statement of Necessity for General Conditions 1, 2, 3, 4, and Special Conditions 1, 3, 4, and 5: These conditions are necessary to ensure that water quality standards are met, and designated uses are maintained.

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

2. Statement of Necessity for General Conditions 5, 8, 9: 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 Condition 6: This condition is necessary to clarify the scope of this certification to ensure compliance with water quality regulations, without limiting restrictions through other requirements.

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

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

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

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

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

6. Statement of Necessity for Special 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.

Citation: 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 Conditions 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14: Unauthorized discharges may enter regulated waters as result of activity or structural failure. A plan to address inadvertent discharges will prevent or address further violations of water quality standards and failure of water to meet designated uses, including uses of growth and propagation of fish, other aquatic life, wildlife; and other designated uses; and fail to meet general water quality criteria that waters not be polluted by substances in amounts sufficient to be unsightly or create a nuisance.

Citation COMAR 26.08.02.02B(1)d; COMAR 26.08.02.02B(3); COMAR 26.08.02.03B(1) and B(2);26.08.02.01B(2); 26.08.02.02B(1)

8. Statement of Necessity for Special Condition 7: The condition is necessary to ensure that the dredging results 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

9. Statement of Necessity for Special Condition 5: 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 clarify, turbidity, growth and propagation of fish, other aquatic life, and wildlife; and water contact recreation

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

10. Statement of Necessity for Special Condition 15: A time of year restriction is necessary to maintain the designated use for support of estuarine and marine aquatic life and shellfish harvesting.

Citation: Federal and state laws which authorize this condition include but are not limited to: COMAR: 26.08.02.02B(1)(d); 26.08.02.02B(3); COMAR 26.08.02.02-16: COMAR 26.24

CERTIFICATION APPROVED



Heather L. Nelson, Program Manager,
Wetlands and Waterways Protection Program

11/15/2025

Tracking Number: 202560152
Agency Interest Number: 185168

Effective Date: **October 22, 2025**

Enclosure: Plan Sheets dated November 3, 2025

cc: WSA Inspection & Compliance Program
Army Corps of Engineers



25-WL-0103 & 25-WQC-0030

202560152

185168

November 3, 2025

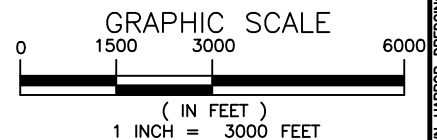
MG

QUEENSTOWN HARBOR DREDGING
AT
QUEEN ANNE'S
COUNTY

APPL. BY: TOWN OF QUEENSTOWN

VICINITY MAP

DATE: NOVEMBER 2025 SHEET 1 OF 12



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"Integrating Engineering and Environment"

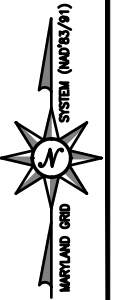
7455 New Ridge Road, Suite T Phone: (410) 694-9401
Hanover, Maryland 21076 Fax: (410) 694-9405
www.baylandinc.com

CHESTER RIVER

EX. FEDERAL
NAVIGATIONAL CHANNEL
(PREVIOUSLY DREDGED
UNDER USACE)

SHEET 4

SHEET 3



MAIN ST.

BLUE STAR MEMORIAL HWY.

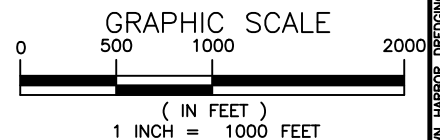
25-WL-0103 & 25-WQC-0030
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November 3, 2025
MG

QUEENSTOWN HARBOR DREDGING
AT
QUEEN ANNE'S
COUNTY

APPL. BY: TOWN OF QUEENSTOWN

MAIN CHANNEL KEY SHEET

DATE: NOVEMBER 2025 SHEET 2 OF 12



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MAIN CHANNEL SEGMENT "A"
2,575' X 100' TO -7.0' MLW
CHANNEL OUTLINE REPRESENTS BOTTOM
WIDTH.
FOR TOTAL IMPACT SEE TYPICAL CROSS
SECTION AND CHANNEL DATA TABLE.
PREVIOUSLY DREDGED QUEENSTOWN
FEDERAL CHANNEL BY THE USACE

TAX ID. 05-005132
BLAKEFORD FARMS LLC
DECOURSEY THOM RD
QUEENSTOWN MD 21658-0000
T.M.051D GRD.0011 P.0050 LOT N/A
DEED: 00416/00001
PLAT: 0019/0038

EX. SHORELINE

CHESTER RIVER

MATCHLINE REFER TO SHEET 4

EX. CHANNEL
MARKER

EX. FEDERAL
NAVIGATIONAL CHANNEL
(PREVIOUSLY DREDGED
UNDER USACE)

25-WL-0103 & 25-WQC-0030

202560152

185168

November 3, 2025

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QUEENSTOWN HARBOR DREDGING AT QUEEN ANNE'S COUNTY

APPL. BY: TOWN OF QUEENSTOWN

CHANNEL PLANS

DATE: NOVEMBER 2025 SHEET 3 OF 12

SAV LEGEND

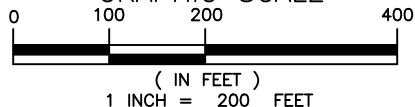
2019-2023 COMPOSITE SAV BED
FROM VIMS INTERACTIVE SAV MAP
AND SAV SURVEY PERFORMED BY
BAYLAND.

LEGEND

- PREVIOUSLY DREDGED CHANNEL
- PROPOSED COUNTY CHANNEL
- SOUNDINGS
- PROPOSED CHANNEL DEPTH
- EXISTING SHORELINE
- EX. VENT TOE
- PR. REEF BALL HABITAT SILL
- PR. MARSH PLANTINGS
- EX. MARSH
- PR. OBSTRUCTION SIGN

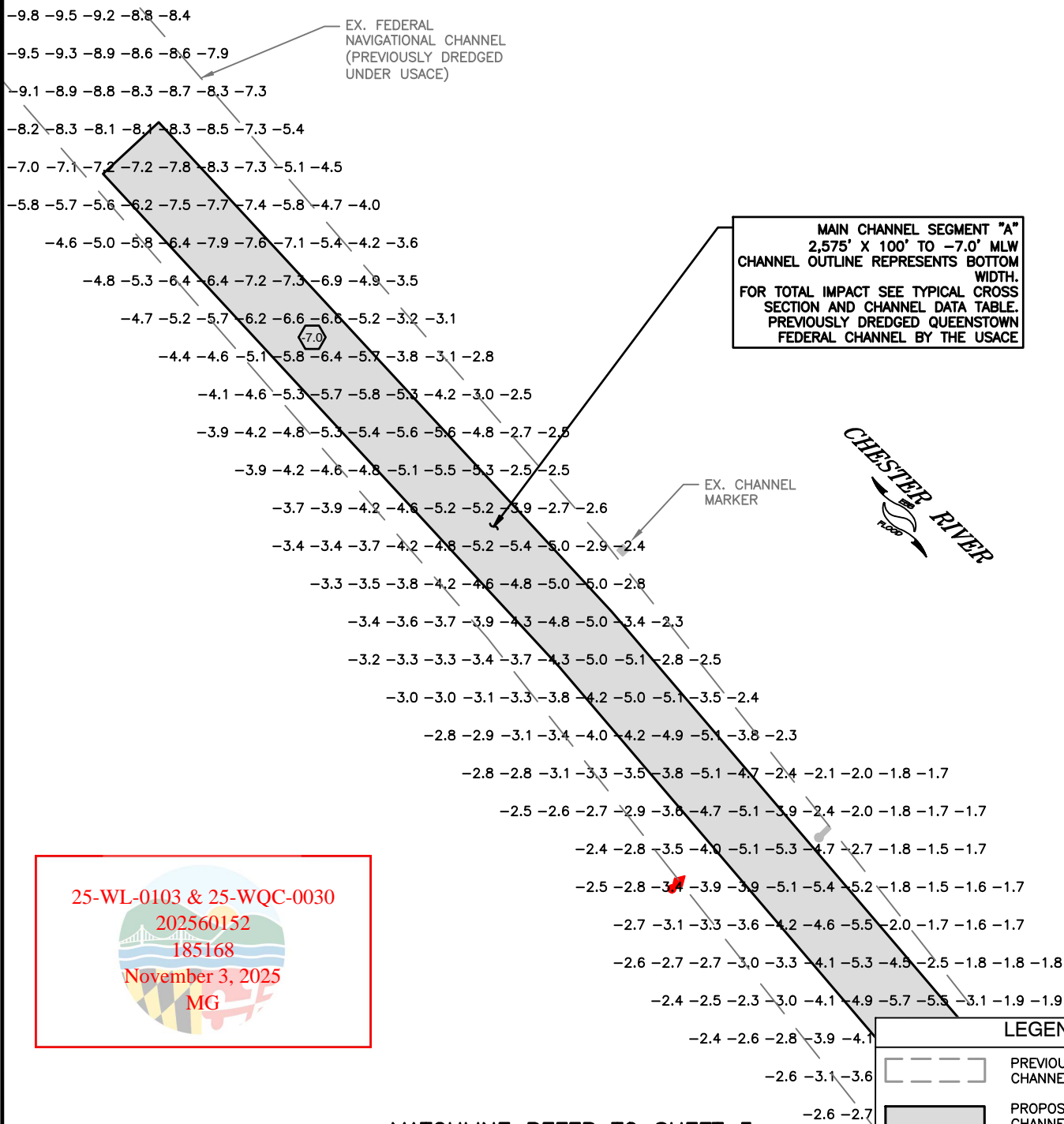
NOTE:
BASEMAP TAKEN FROM QUEEN ANNE'S COUNTY
2023 PLANIMETRICS AND 2020 IMAGERY.

GRAPHIC SCALE



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QUEENSTOWN HARBOR DREDGING AT QUEEN ANNE'S COUNTY

APPL. BY: TOWN OF QUEENSTOWN

CHANNEL PLANS

DATE: NOVEMBER 2025 SHEET 4 OF 12

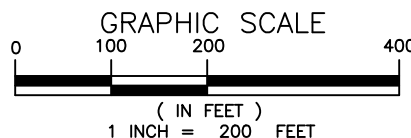
SAV LEGEND

2019-2023 COMPOSITE SAV BED FROM VIMS INTERACTIVE SAV MAP AND SAV SURVEY PERFORMED BY BAYLAND.

LEGEND

- PREVIOUSLY DREDGED CHANNEL
- PROPOSED COUNTY CHANNEL
- SOUNDINGS
- PROPOSED CHANNEL DEPTH
- EXISTING SHORELINE
- EX. VENT TOE
- PR. REEF BALL HABITAT SILL
- PR. MARSH PLANTINGS
- EX. MARSH
- PR. OBSTRUCTION SIGN

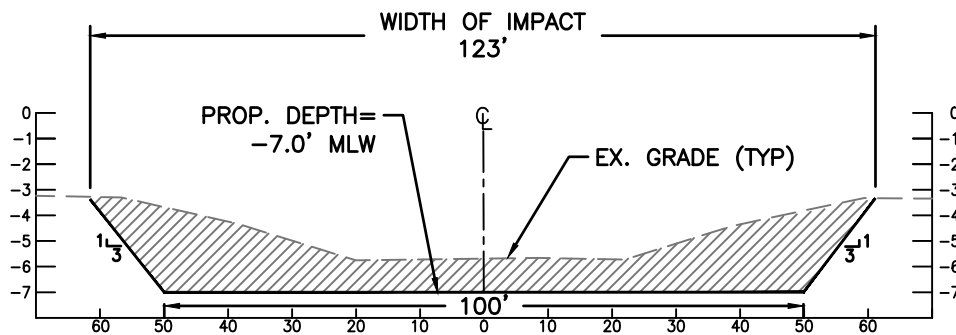
NOTE:
BASEMAP TAKEN FROM QUEEN ANNE'S COUNTY 2023 PLANIMETRICS AND 2020 IMAGERY.



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SECTION A-A

SCALE: NTS

CHANNEL DETAILS

SEGMENT	LENGTH (FT)	WIDTH (FT)	DEPTH (FT)	VOLUME (CY)
A	2,575	100	-7.0	14,600
TOTAL MAIN CHANNEL LENGTH				2,575 LF
TOTAL MAIN CHANNEL VOLUME				14,600 CY
TOTAL MAIN CHANNEL AREA OF IMPACT				294,148 = 6.75 AC
TOTAL NEW AREA OF DREDGING				0 SF = 0.0 AC
TOTAL MAIN CHANNEL AREA OF IMPACT TO COMPOSITE 2019-2023 SAV				0 SF = 0 AC

NOTES:

1. BASEMAP COMPILED FROM QUEEN ANNE'S COUNTY 2023 PLANIMETRICS AND 2020 IMAGERY.
2. MEAN TIDAL RANGE IS APPROXIMATELY 1.2 FEET BASED ON NOAA VDATUM FROM SITE LOCATION 39° 1' 53", -76° 14' 30"
3. HYDROGRAPHIC SURVEY OF QUEENSTOWN HARBOR CHANNEL WAS PERFORMED BY BAYLAND CONSULTANTS AND DESIGNERS INC. ON SEPTEMBER 24, 2024.
4. TOPOGRAPHIC SURVEY OF EASTERN NECK ISLAND PLACEMENT SITE WAS PERFORMED BY BAYLAND CONSULTANTS AND DESIGNERS INC. ON SEPTEMBER 30, 2024.
5. EXISTING SHORELINE AND PIER LOCATIONS BASED ON 2017 KENT COUNTY AND 2023 QUEEN ANNE'S COUNTY PLANIMETRICS.
6. 2019-2023 COMPOSITE SAV BED FROM VIRGINIA INSTITUTE OF MARINE SCIENCES (VIMS) INTERACTIVE SAV MAP AND SAV SURVEY PERFORMED BY BAYLAND.
7. SOUNDINGS ARE IN FEET AND REFER TO MLW.
8. THE PROPOSED MAINTANENCE DREDGING CHANNEL, BY THE TOWN OF QUEENSTOWN, WAS PREVIOUSLY DREDGED BY THE USACE
9. THESE ARE PERMIT DRAWINGS ONLY. DESIGN DRAWINGS WILL BE PREPARED SEPARATELY.

QUEENSTOWN HARBOR DREDGING AT QUEEN ANNE'S COUNTY

APPL. BY: TOWN OF QUEENSTOWN

CHANNEL DETAILS

DATE: NOVEMBER 2025 SHEET 5 OF 12

25-WL-0103 & 25-WQC-0030

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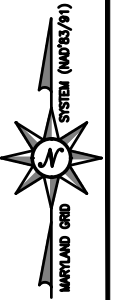
CHESTER RIVER

SHEET 9

SHEET 8

SHEET 7

TAX ID. 05-023319
UNITED STATES DEPT OF THE INTERIOR
FISH AND WILDLIFE SERVICE
EASTERN NECK ISLAND RD
ROCK HALL MD 21661-0000
T.M.0061 GRD.0000 P.0001 LOT N/A
DEED: N/A
PLAT: N/A



QUEENSTOWN HARBOR DREDGING
AT
QUEEN ANNE'S
COUNTY

APPL. BY: TOWN OF QUEENSTOWN

BENEFICIAL REUSE SITE KEY SHEET

DATE: NOVEMBER 2025 SHEET 6 OF 12

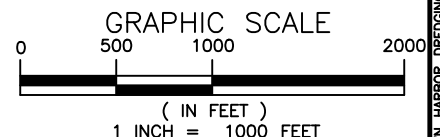
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MATCHLINE REFER TO SHEET 8

PR. BREAKWATER EXTENSION- TYPE B(2)
(51' X 22') (SEE DETAIL SHEET)

EX. VENT TOE (TYP.)

EX. STONE BREAKWATER
(TYP.)

PR. BREAKWATER EXTENSION- TYPE B(1)
(49' X 22') (SEE DETAIL SHEET)

PR. OBSTRUCTION SIGN (TYP.)

PR. TURBIDITY CURTAIN

PR. BREAKWATER EXTENSION- TYPE A(2)
(60' X 22') (SEE DETAIL SHEET)

PR. APPROX. LOCATION
OF HYDRAULIC PIPELINE

PR. APPROX. LOCATION
OF BARGE WITH PUMP
STATION

PR. BREAKWATER EXTENSION- TYPE A(1)
(57' X 22') (SEE DETAIL SHEET)

160' MAX
CHANNELWARD
ENCROACHMENT
FROM MHW

MHW = +1.0' MLW
MLW = 0.0'

PROPOSED
8"-12" HDPE
FLOATING PIPELINE

±5.0'

EX.
BOTTOM

PR. MHW
PR. MLW

EX. MHW
EX. TREE LINE

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PR. HIGH MARSH PLANTINGS
(77,549 SF)

GRAPHIC SCALE

0 50 100 200

(IN FEET)

1 INCH = 100 FEET

QUEENSTOWN HARBOR DREDGING AT QUEEN ANNE'S COUNTY

APPL. BY: TOWN OF QUEENSTOWN

BENEFICIAL REUSE SITE

DATE: NOVEMBER 2025 SHEET 7 OF 12

**TYPICAL HYDRAULIC
PIPELINE SECTION**

SCALE: NTS

NOTE:
BASEMAP TAKEN FROM KENT COUNTY 2017
PLANIMETRICS AND 2020 IMAGERY.

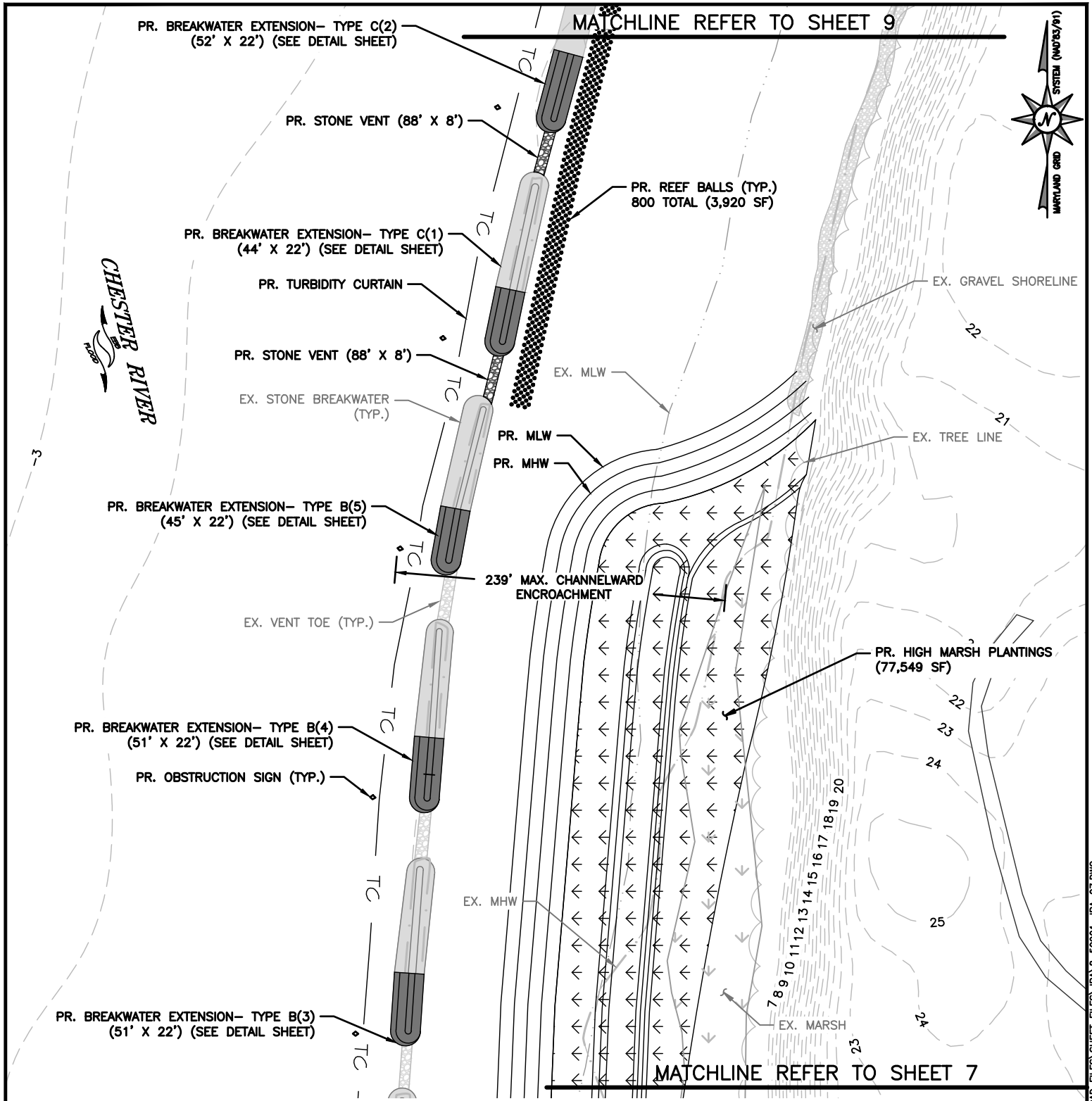


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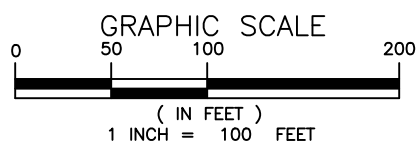
QUEENSTOWN HARBOR DREDGING
AT
QUEEN ANNE'S
COUNTY

APPL. BY: TOWN OF QUEENSTOWN

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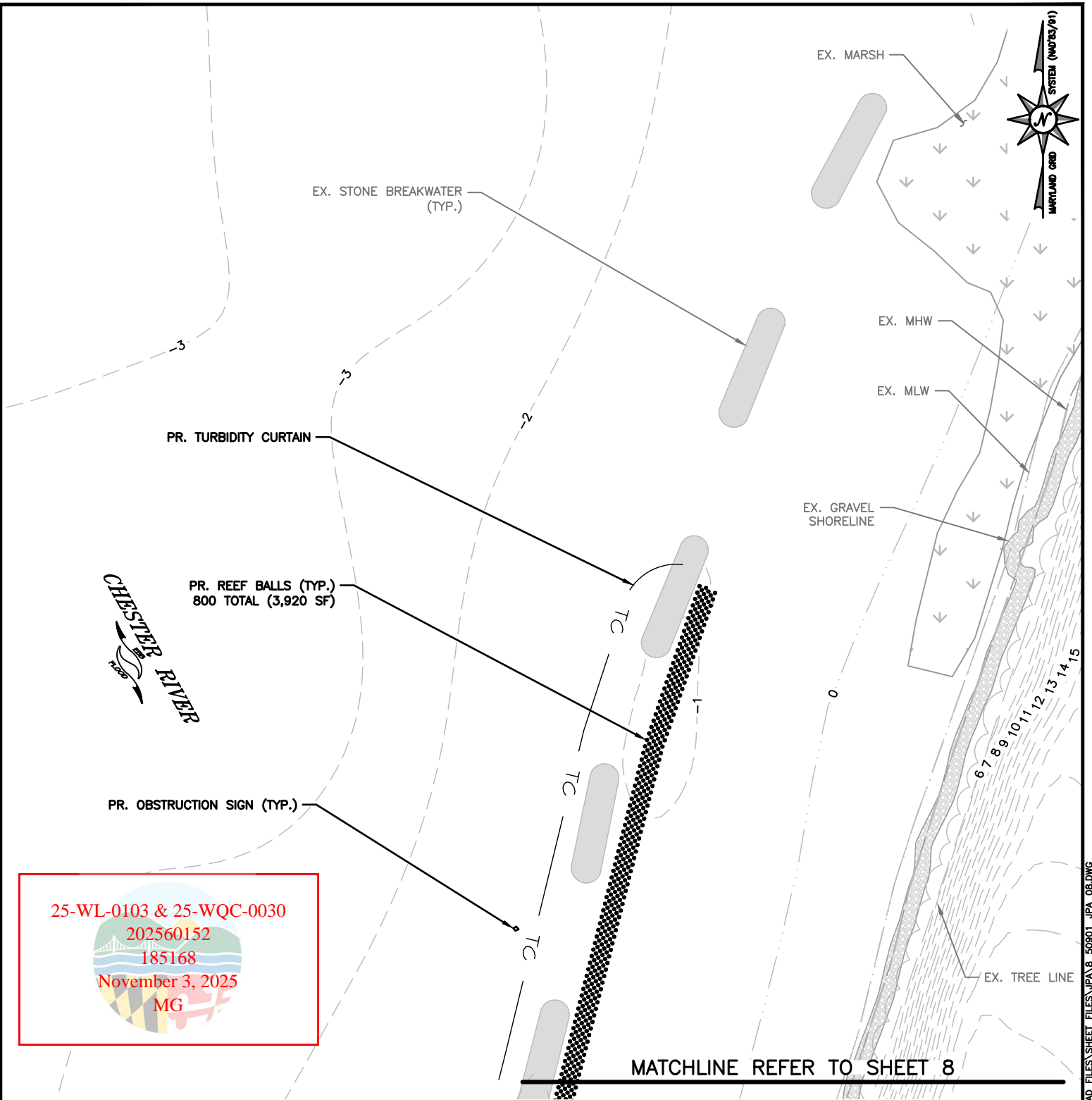


NOTE:
BASEMAP TAKEN FROM KENT COUNTY 2017
PLANIMETRICS AND 2020 IMAGERY.



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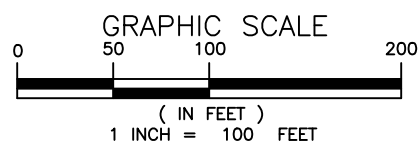


QUEENSTOWN HARBOR DREDGING
AT
QUEEN ANNE'S
COUNTY

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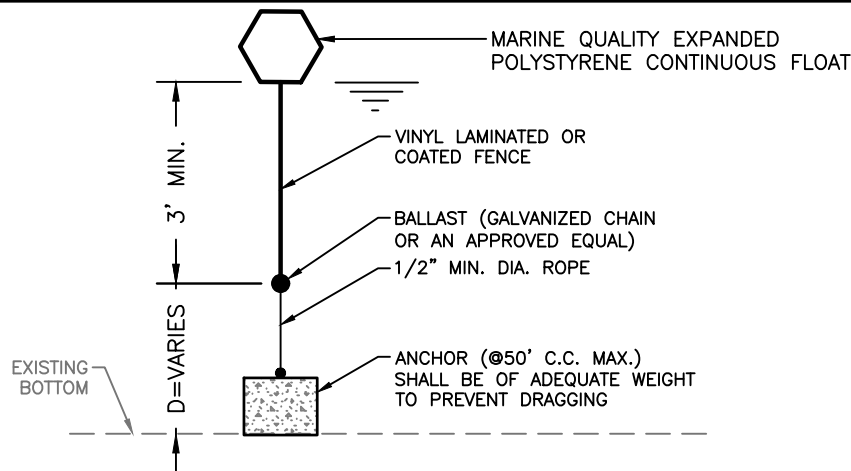
BENEFICIAL REUSE SITE

DATE: NOVEMBER 2025 SHEET 9 OF 12



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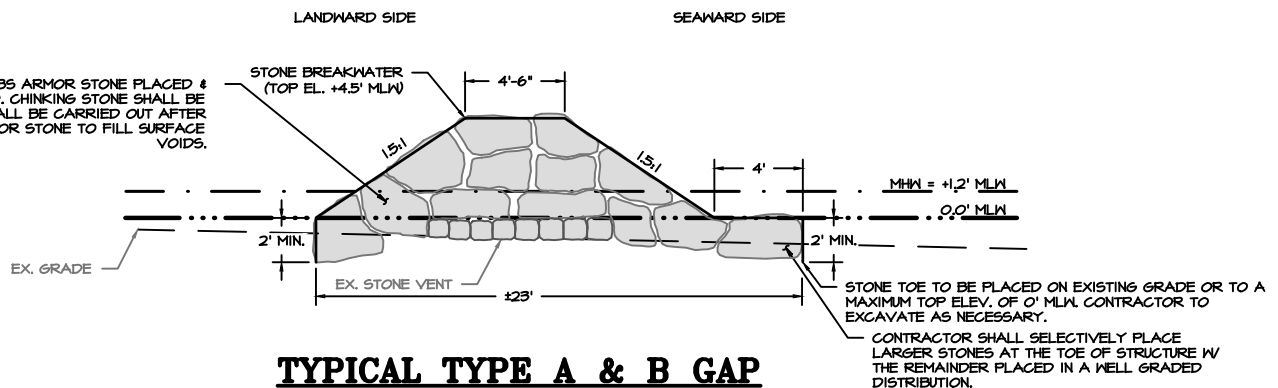
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TYPE II - TURBIDITY CURTAIN DETAIL

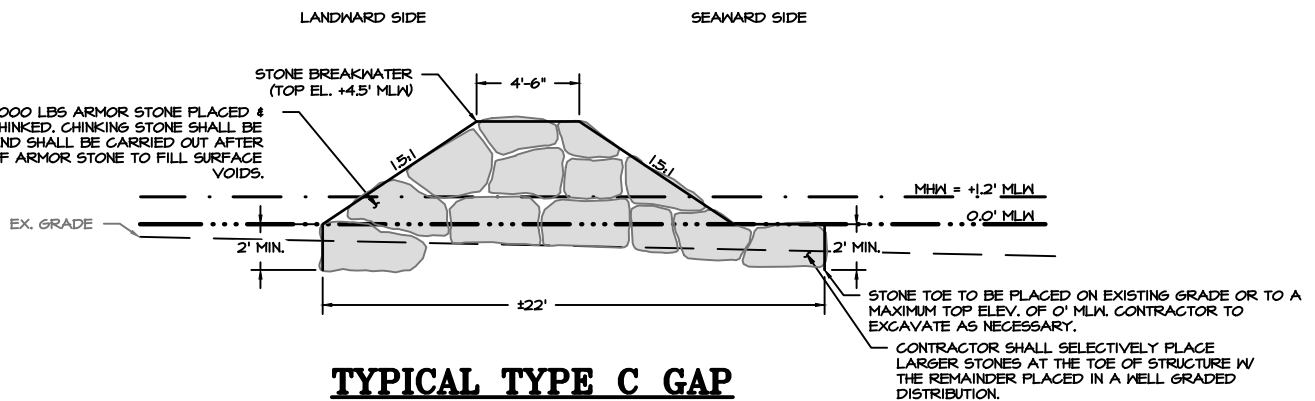
SCALE: NOT TO SCALE

NOTE: TURBIDITY CURTAIN AS REQUIRED BY THE INSPECTOR TO PROTECT ACTIVE SHORELINE WORK AREA - LIMITED TO 400' AT ANY ONE TIME.



TYPICAL TYPE A & B GAP MODIFICATION SECTION

SCALE: 1" = 5'



TYPICAL TYPE C GAP MODIFICATION SECTION

SCALE: 1" = 5'

QUEENSTOWN HARBOR DREDGING AT QUEEN ANNE'S COUNTY

APPL. BY: TOWN OF QUEENSTOWN

DETAILS AND TYPICALS

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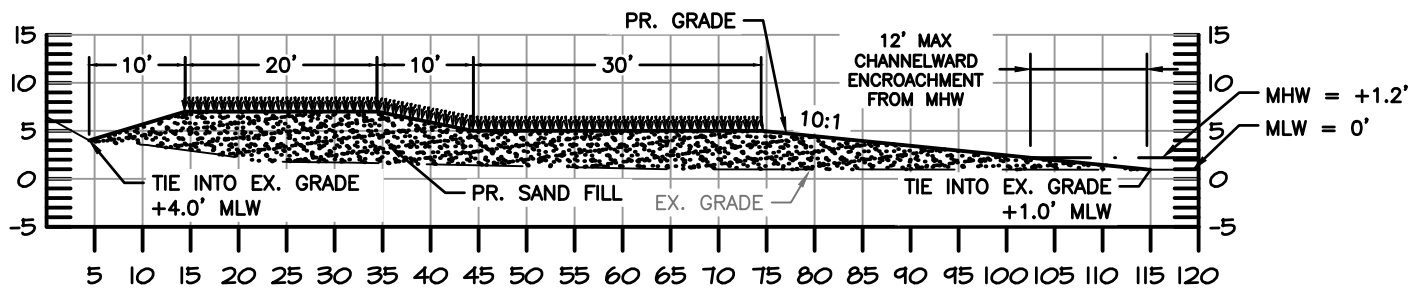
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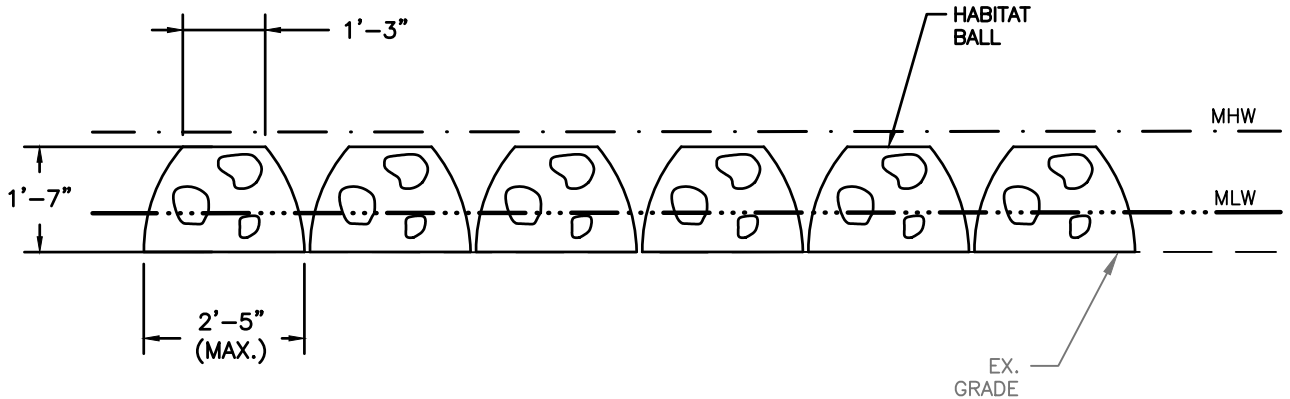
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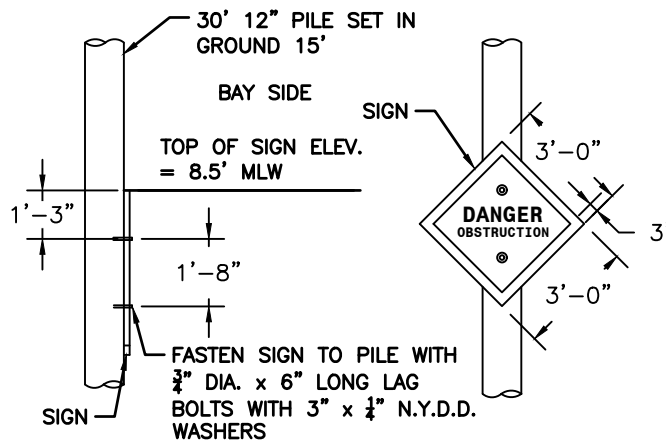
TYPICAL PLACEMENT SECTION

SCALE: 1" = 20'



TYPICAL REEF BALL PROFILE SECTION

SCALE: NOT TO SCALE



TYPICAL HAZARD SIGN DETAIL

SCALE: NOT TO SCALE

QUEENSTOWN HARBOR DREDGING AT QUEEN ANNE'S COUNTY

APPL. BY: TOWN OF QUEENSTOWN

DETAILS AND TYPICALS

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PROJECT SUMMARY

PROPOSED STRUCTURES:

LIVING SHORELINE PLANTINGS – 77,549 SF TOTAL (38,932 SF IMPACT CHANNELWARD OF MHW)
HIGH MARSH PLANTINGS – 77,549 SF TOAL (38,932 SF IMPACT CHANNELWARD OF MHW)

VOLUME OF SAND FILL – 14,600 CY TOTAL

REEF BALL HABITAT SILL

–800 REEF BALLS TOTAL (4.9 SF EACH)
–3,920 SF TOTAL (3,920 SF IMPACT CHANNELWARD OF MHW)

OBSTRUCTION SIGN

–10 SIGNS TOTAL (0.78 SF EACH)
–7.8 SF TOTAL (7.8 SF IMPACT CHANNELWARD OF MHW)

BREAKWATER EXTENSIONS– 10,047 SF TOTAL (10,047 SF IMPACT CHANNELWARD OF MHW)

–TYPE A(1): 57' X 22' (1,263 SF)
–TYPE A(2): 60' X 22' (1,319 SF)
–TYPE B(1): 49' X 22' (1,072 SF)
–TYPE B(2): 51' X 22' (1,117 SF)
–TYPE B(3): 48' X 22' (1,061 SF)
–TYPE B(4): 51' X 22' (1,118 SF)
–TYPE B(5): 45' X 22' (990 SF)
–TYPE C(1): 44' X 22' (975 SF)
–TYPE C(2): 52' X 22' (1,132 SF)

STONE VENT (2) – 479 SF TOTAL (479 SF IMPACT CHANNELWARD OF MHW)

–33' X 7' (231 SF)
–31' X 8' (248 SF)

IMPACT SUMMARY

TOTAL AREA OF IMPACT FROM MHW INTO TIDAL WATERS = 53,386 SF
TOTAL AREA OF PERMANENT IMPACT TO SHALLOW WATER HABITAT = 53,386 SF
TOTAL AREA OF IMPACT TO PRIVATE TIDAL WETLANDS = 0 SF
TOAL AREA OF IMPACT TO SAV = 0 SF

NOTES

1. MEAN TIDAL RANGE IS APPROXIMATELY 1.2 FEET BASED ON NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA) VDATUM FROM SITE LOCATION (LAT) 39°1'53", (LONG) –76°14'30"
2. HYDROGRAPHIC SURVEY OF QUEENSTOWN HARBOR CHANNEL WAS PERFORMED BY BAYLAND CONSULTANTS & DESIGNERS, INC. ON SEPTEMBER 24, 2024. TOPOGRAPHIC SURVEY OF EASTEN NECK ISLAND PLACEMENT SITE WAS PERFORMED BY BAYLAND CONSULTANTS & DESIGNERS INC. ON SEPTEMBER 30, 2024. EXISTING SHORELINE AND PIER LOCATIONS BASED ON 2017 KENT COUNTY AND 2023 QUEEN ANNE'S COUNTY PLANIMETRICS.
3. HORIZONTAL AND VERTICAL CONTROL ESTABLISHED FROM REAL TIME KINEMATIC (RTK) GLOBAL POSITIONING SYSTEM (GPS) CONTROL POINTS. COORDINATES AND BEARINGS SHOWN HEREON ARE REFERRED TO THE MARYLAND COORDINATE SYSTEM (NAD83/1991). ELEVATIONS SHOWN HEREON ARE REFERRED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
4. PROPERTY LINES SHOWN ARE BASED ON KENT COUNTY AND QUEEN ANNE'S COUNTY CADASTRAL DATA.
5. 2019–2023 SUBMERGED AQUATIC VEGETATION (SAV) BEDS OF EASTERN NECK ISLAND AND QUEENSTOWN HARBOR FROM VIRGINIA INSTITUTE OF MARINE SCIENCES (VIMS) INTERACTIVE SAV MAP AND SAV SURVEY PERFORMED BY BAYALND.

QUEENSTOWN HARBOR DREDGING AT QUEEN ANNE'S COUNTY

APPL. BY: TOWN OF QUEENSTOWN

SITE NOTES

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25-WQC-0030

Final Audit Report

2025-11-15

Created:	2025-11-13
By:	Jonathan Stewart (jon.stewart@maryland.gov)
Status:	Signed
Transaction ID:	CBJCHBCAABAAk_J5ZGFlo_vwk69XbtsBZpWK_rCxkuDD

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-  Document created by Jonathan Stewart (jon.stewart@maryland.gov)
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-  Email viewed by Heather Nelson (hnelson@maryland.gov)
2025-11-15 - 5:46:12 PM GMT
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