



Maryland  
Department of  
the Environment

Larry Hogan, Governor  
Boyd K. Rutherford, Lt. Governor

Horacio Tablada, Secretary  
Suzanne E. Dorsey, Deputy Secretary

September 24, 2024

Bay Ridge Civic Association  
Attention: Lily Openshaw  
c/o BayLand Consultants and Designers, Inc  
Attention: Ryan Drabick  
rdrabick@baylandinc.com

Via email: rdrabick@baylandinc

Re: Agency Interest Number: 91845  
Tracking Number: 202460456  
Tidal Authorization Number: 24-WQC-0029

Dear Ms. Openshaw,

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 Mel Throckmorton at mel.throckmorton@maryland.gov with any questions.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Jon Stewart'.

Jon Stewart  
Acting Division Chief  
Tidal Wetlands Division



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



24-WQC-0029

EFFECTIVE DATE: **September 24, 2024**  
CERTIFICATION HOLDER: **Bay Ridge Civic Association**  
ADDRESS: **80 East Lake Dr**  
**Annapolis, MD 21403**  
PROJECT LOCATION: **Herndon Ave NE to Upshur Ave**  
**Annapolis, MD 21403**

**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 Bay Ridge Civic Association Beach Nourishment PROJECT AND AS DESCRIBED IN THE ATTACHED PLAN SHEETS DATED June 5<sup>th</sup>, 2024 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 August 1<sup>st</sup>, 2024 to September 1<sup>st</sup>, 2024 on Maryland Department of the Environment's Public Notice webpage and advertising in the Capital Gazette on September 2<sup>nd</sup>, 2024.*

## **PROJECT DESCRIPTION**

Nourish 220,858 square feet of beach with 48,000 cubic yards of sand fill with all work to take place within a maximum of 75 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. 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-2024-60456 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. The Certificate Holder shall construct the beach nourishment area in accordance with the following conditions:
  - a. The Certificate Holder shall use clean substrate fill material, no more than 10% of which shall pass through a standard number 100 sieve.
  - b. If the fill is graded hydraulically, the licensee shall use a turbidity curtain around the perimeter of the instream work.
  - c. If the existing bank is to be cleared or graded:
    - i. The Certificate Holder shall perform all work under and in accordance with an approved Soil Erosion and Sediment Control Plan from the applicable sediment and erosion control agency; and
    - ii. The Certificate Holder shall perform all work under and in accordance with the Critical Area requirements of the local jurisdiction in the form of an approved Buffer Management Plan.
5. The Certificate Holder shall not perform any construction from November 15th through March 1st of any year to protect wintering waterfowl. The proposed project site is located in a Historic Waterfowl Concentration Area.

## **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.

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

2. Statement of Necessity for General Conditions 5, 8, 9 and Special Condition 4: 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

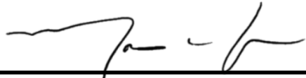
6. Statement of Necessity for Special Condition 2: Expertise for conducting certain activities is required to ensure that there is no violation of water quality standards nor interference with designated uses. This condition is necessary to ensure that discharges will be conducted in a manner which does 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 Condition 5: 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.

**CERTIFICATION APPROVED**



---

D. Lee Currey, Director  
Water and Science Administration

9/27/2024

---

Date

Tracking Number: 202460456  
Agency Interest Number: 91845

Effective Date: September 24, 2024

Enclosure: Plan Sheets dated June 5<sup>th</sup>, 2024

cc: WSA Inspection & Compliance Program  
Army Corps of Engineers

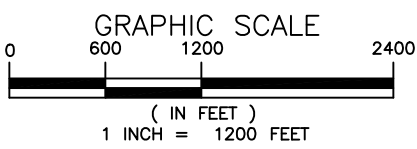


**BEACH NOURISHMENT  
AT  
RIVER DRIVE  
ANNE ARUNDEL COUNTY, MD**

APPL. BY: BAY RIDGE CIVIC ASSOCIATION, INC.

**VICINITY MAP**

24-WQC-0029  
202460456  
91845  
6/5/24  
MT



**NOTE:**  
BASEMAP TAKEN FROM ANNE ARUNDEL COUNTY  
2016 PLANIMETRICS AND 2017 IMAGERY.

**Bay and**  
Consultants & Designers, Inc.

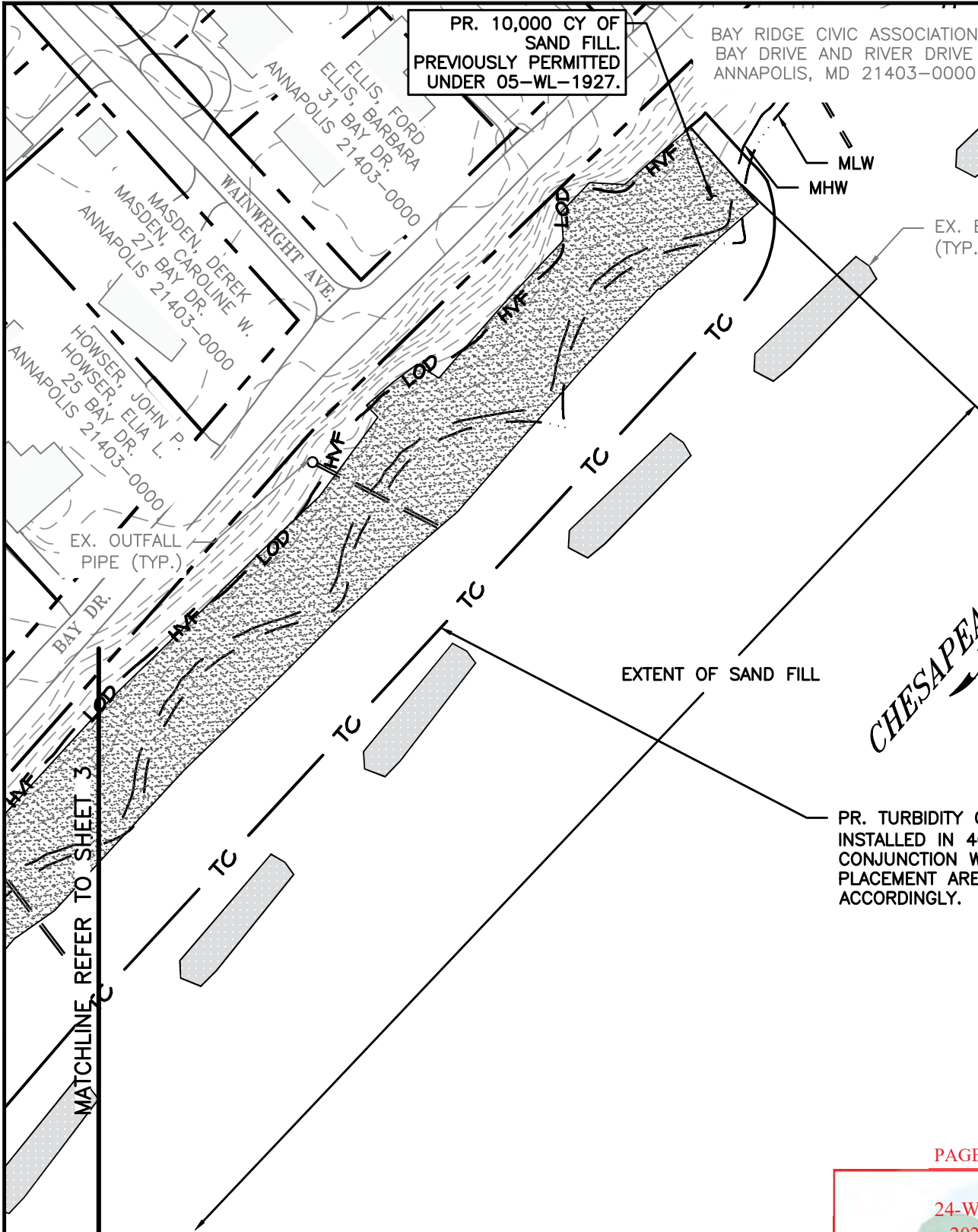
*"Integrating Engineering and Environment"*

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

Z:\B\_02206\_BRCA\_RIVER\_DR\_BEACH\_NOURISH\_CAD\_FILES\SHEET\_FILES\B\_02206\_JPA01.DWG

PR. 10,000 CY OF SAND FILL. PREVIOUSLY PERMITTED UNDER 05-WL-1927.

BAY RIDGE CIVIC ASSOCIATION  
BAY DRIVE AND RIVER DRIVE  
ANNAPOLIS, MD 21403-0000



EX. BREAKWATER (TYP.)

CHESAPEAKE BAY  
EBB  
FLOOD

EXTENT OF SAND FILL

PR. TURBIDITY CURTAIN TO BE INSTALLED IN 400' INTERVALS IN CONJUNCTION WITH THE ACTIVE PLACEMENT AREA, PHASED ACCORDINGLY.

MATCHLINE REFER TO SHEET 3

### BEACH NOURISHMENT AT RIVER DRIVE ANNE ARUNDEL COUNTY, MD

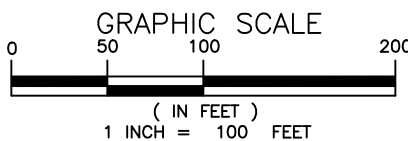
APPL. BY: BAY RIDGE CIVIC ASSOCIATION, INC.

### BEACH NOURISHMENT SITE

PAGE 2 OF 10

24-WQC-0029  
202460456  
91845  
6/5/24  
MT

NOTE: BASEMAP TAKEN FROM ANNE ARUNDEL COUNTY 2016 PLANIMETRICS AND 2017 IMAGERY.

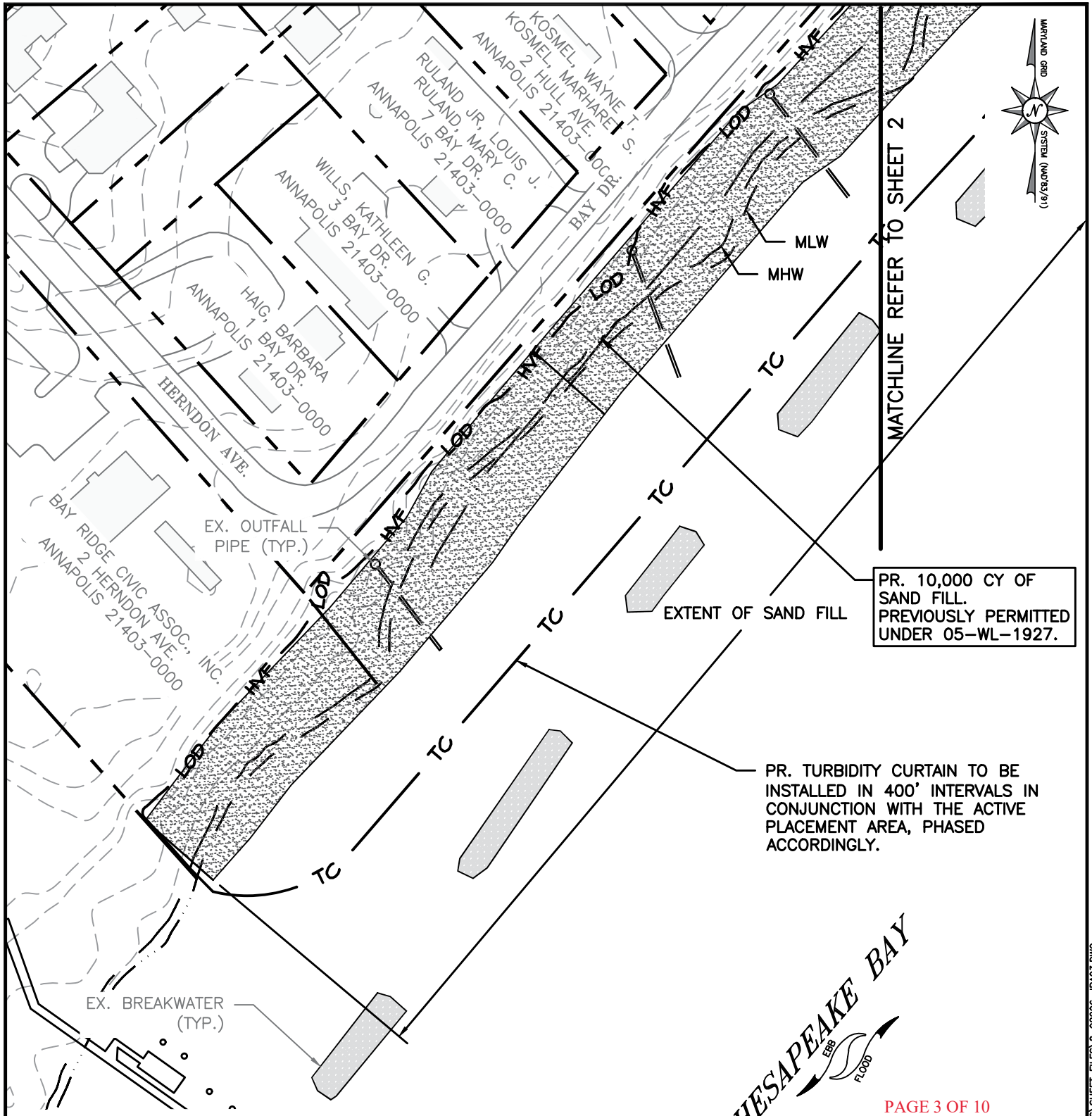


**Bay and Sand**  
Consultants & Designers, Inc.  
"Integrating Engineering and Environment"

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

Z:\B\_02206\_BRCA\_RIVER\_DR\_BEACH\_NOURISH\_RENEW\CAD\_FILES\SHEET\_FILES\B\_02206\_IPA02.DWG





MATCHLINE REFER TO SHEET 2

PR. 10,000 CY OF SAND FILL. PREVIOUSLY PERMITTED UNDER 05-WL-1927.

PR. TURBIDITY CURTAIN TO BE INSTALLED IN 400' INTERVALS IN CONJUNCTION WITH THE ACTIVE PLACEMENT AREA, PHASED ACCORDINGLY.

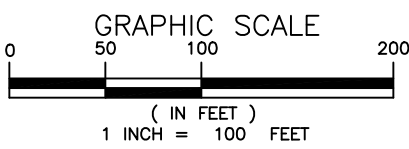


PAGE 3 OF 10

BEACH NOURISHMENT AT RIVER DRIVE ANNE ARUNDEL COUNTY, MD

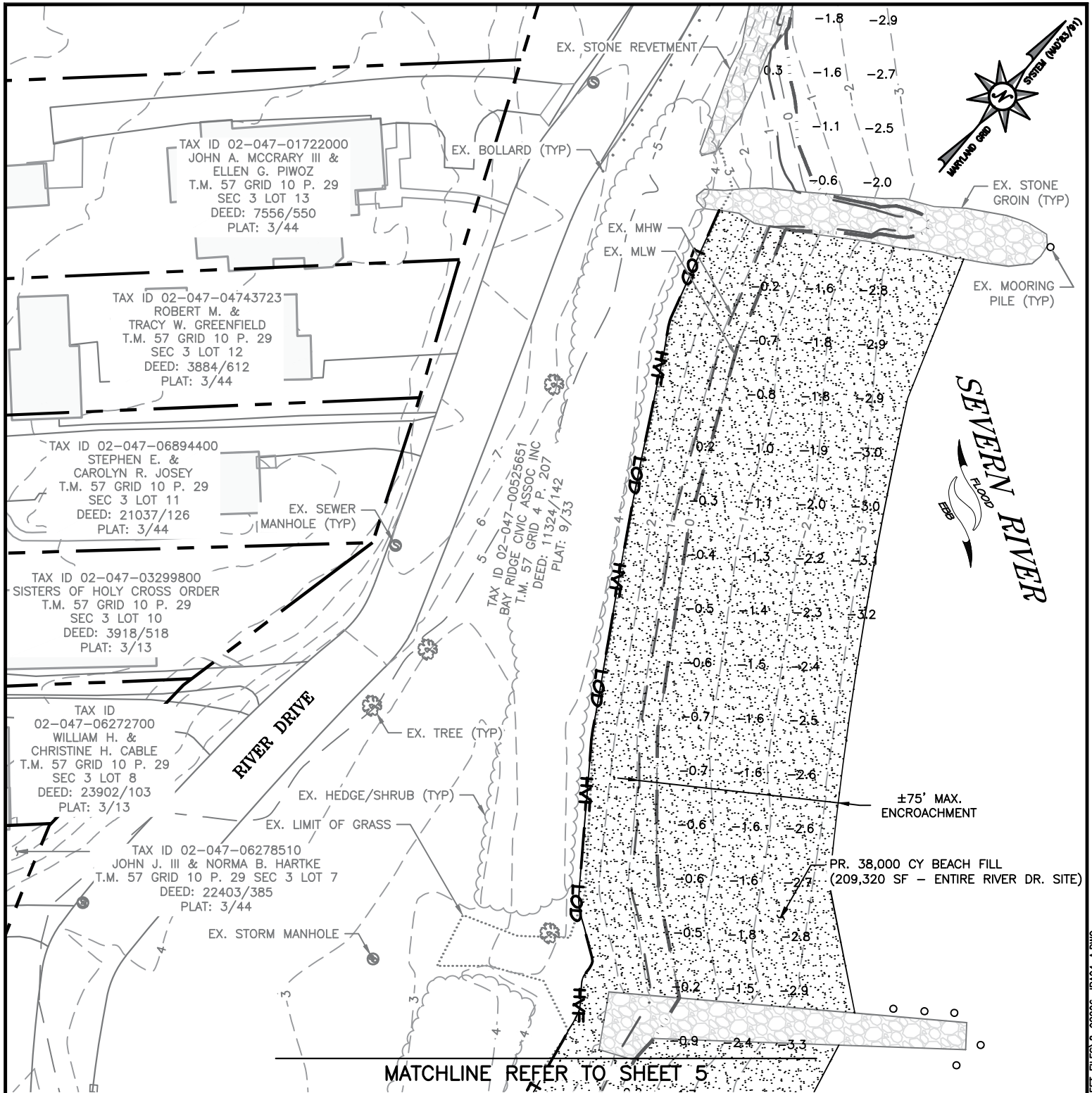
APPL. BY: BAY RIDGE CIVIC ASSOCIATION, INC.

BEACH NOURISHMENT SITE



24-WQC-0029  
202460456  
91845  
6/5/24  
MT  
NOTE: BASEMAP TAKEN FROM ANNE ARUNDEL COUNTY 2016 PLANIMETRICS AND 2017 IMAGERY.

**Bay Land**  
Consultants & Designers, Inc.  
"Integrating Engineering and Environment"  
7455 New Ridge Road, Suite F Phone: (410) 694-9401  
Hanover, Maryland 21076 Fax: (410) 694-9405  
www.baylandinc.com

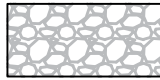



PAGE 4 OF 10

**BEACH NOURISHMENT  
AT  
RIVER DRIVE  
ANNE ARUNDEL COUNTY, MD**

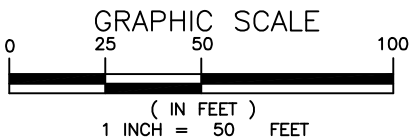
24-WQC-0029  
202460456  
91845  
6/5/24  
MT

**HATCH LEGEND**

-  EX. STONE GROIN
-  PR. SAND FILL

APPL. BY: BAY RIDGE CIVIC ASSOCIATION, INC.

**RIVER DRIVE BEACH NOURISHMENT SITE**

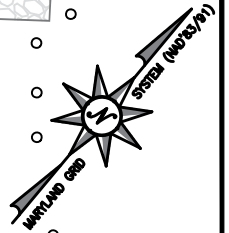



**Bay and Sand**  
Consultants & Designers, Inc.  
"Integrating Engineering and Environment"

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

Z:\B\_02206\_BRCA\_RIVER\_DR\_BEACH\_NOURISH\_RENEW\CAD\_FILES\SHEET\_FILES\B\_02206\_IPA04\_A.DWG

MATCHLINE REFER TO SHEET 4



TAX ID 02-047-00525651  
BAY RIDGE CIVIC ASSOC INC  
T.M. 57 GRID 4 P. 207  
DEED: 11324/142  
PLAT: 9/33

TAX ID 02-047-00292100  
JOHN & MELISSA MCMANUS  
T.M. 57 GRID 10 P. 29 SEC 3 LOT 5  
DEED: 31124/288  
PLAT: 3/44

TAX ID 02-047-07103900  
MARY L. CARTER  
T.M. 57 GRID 10 P. 29 SEC 3 LOT 4  
DEED: 23579/86  
PLAT: 3/44

TAX ID 02-047-02287750  
ROBERT A. WRIGHT  
T.M. 57 GRID 10 P. 29  
SEC 3 LOT 3  
DEED: 10608/43  
PLAT: 3/44

TAX ID 02-047-05398400  
ERIC GREENE &  
LYNN E. MORRIS  
T.M. 57 GRID 10  
P. 29 SEC 3 LOT 1  
DEED: 7321/150  
PLAT: 3/44

BAINBRIDGE AVENUE

RIVER DRIVE

EX. SHRUB/HEDGE

EX. MLW

EX. MHW

EX. LIMIT OF GRASS

EX. STORM INLET (TYP)

EX. SIGN

EX. SEWER MANHOLE

PREVIOUSLY PERMITTED BEACH NOURISHMENT AREA  
UNDER U.S. ARMY CORPS OF ENGINEER  
CENAB-OP-RMN (BAY RIDGE CIVIC  
ASSOCIATION/BEACH NOURISHMENT) 2019-61790  
AND MARYLAND WETLAND LICENSE NO. 19-WL-1083R

MATCHLINE REFER TO SHEET 6

±75' MAX. ENCROACHMENT

PR. 38,000 CY BEACH FILL  
(209,320 SF - ENTIRE RIVER DR. SITE)

SEVERN RIVER

EX. MOORING PILE (TYP)

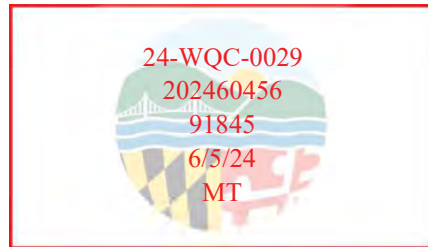
EX. STONE GROIN (TYP)

PAGE 5 OF 10

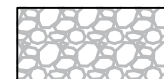
# BEACH NOURISHMENT AT RIVER DRIVE ANNE ARUNDEL COUNTY, MD

APPL. BY: BAY RIDGE CIVIC ASSOCIATION, INC.

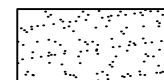
## RIVER DRIVE BEACH NOURISHMENT SITE



### HATCH LEGEND

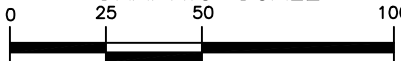


EX. STONE GROIN



PR. SAND FILL

GRAPHIC SCALE



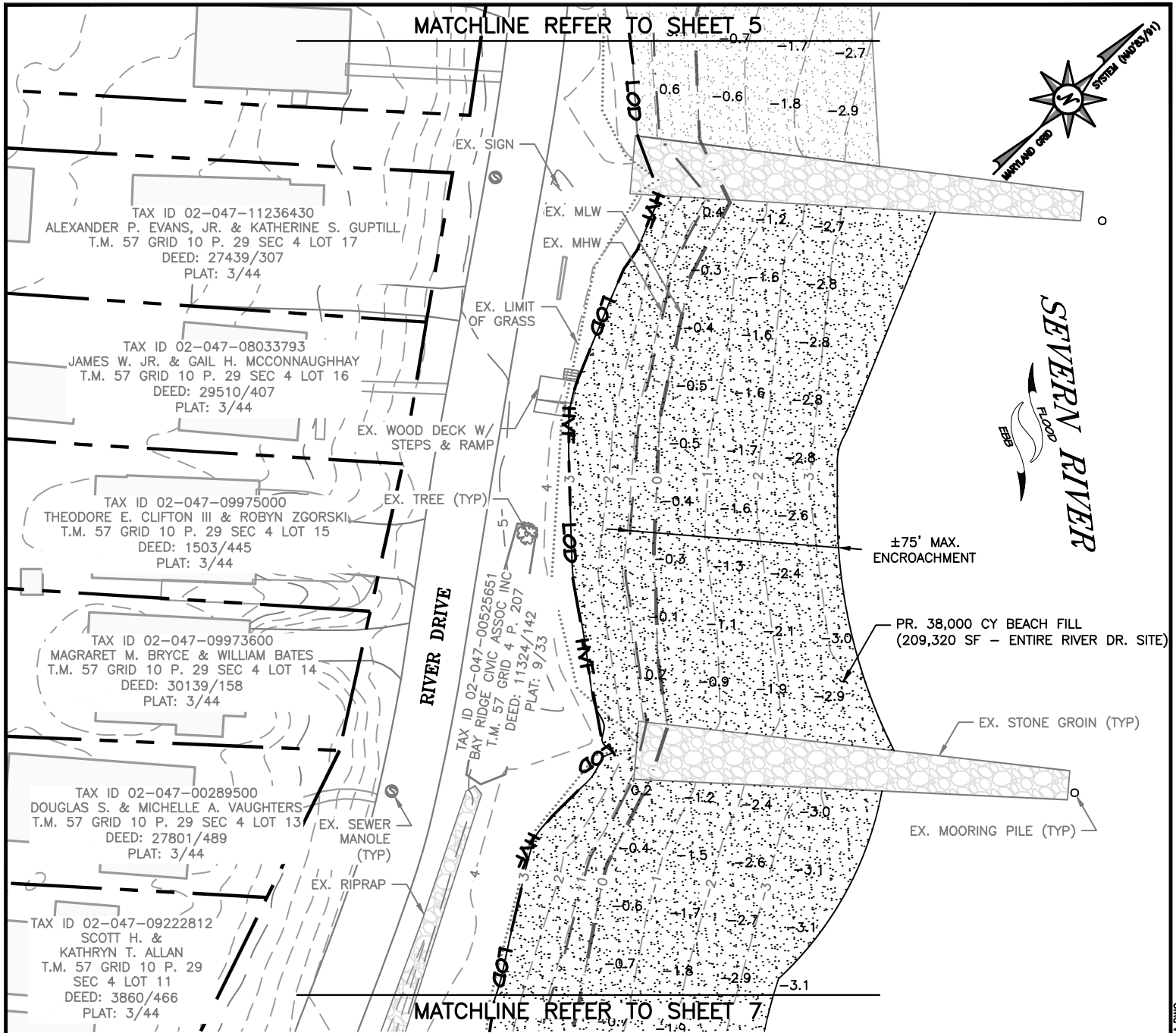
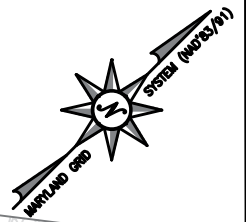
( IN FEET )  
1 INCH = 50 FEET

**Bayland**  
Consultants & Designers, Inc.  
"Integrating Engineering and Environment"

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

Z:\B\_02206\_BRCA\_RIVER\_DR\_BEACH\_NOURISHMENT\CAD\_FILES\SHEET\_FILES\B\_02206\_IPA05\_A.DWG

MATCHLINE REFER TO SHEET 5



TAX ID 02-047-11236430  
ALEXANDER P. EVANS, JR. & KATHERINE S. GUPTILL  
T.M. 57 GRID 10 P. 29 SEC 4 LOT 17  
DEED: 27439/307  
PLAT: 3/44

TAX ID 02-047-08033793  
JAMES W. JR. & GAIL H. MCCONNAUGHAY  
T.M. 57 GRID 10 P. 29 SEC 4 LOT 16  
DEED: 29510/407  
PLAT: 3/44

TAX ID 02-047-09975000  
THEODORE E. CLIFTON III & ROBYN ZGORSKI  
T.M. 57 GRID 10 P. 29 SEC 4 LOT 15  
DEED: 1503/445  
PLAT: 3/44

TAX ID 02-047-09973600  
MAGRARET M. BRYCE & WILLIAM BATES  
T.M. 57 GRID 10 P. 29 SEC 4 LOT 14  
DEED: 30139/158  
PLAT: 3/44

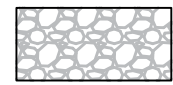
TAX ID 02-047-00289500  
DOUGLAS S. & MICHELLE A. VAUGHTERS  
T.M. 57 GRID 10 P. 29 SEC 4 LOT 13  
DEED: 27801/489  
PLAT: 3/44

TAX ID 02-047-09222812  
SCOTT H. & KATHRYN T. ALLAN  
T.M. 57 GRID 10 P. 29 SEC 4 LOT 11  
DEED: 3860/466  
PLAT: 3/44

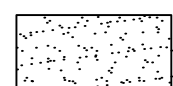
TAX ID 02-047-00525651  
BAY RIDGE CIVIC ASSOC INC  
T.M. 57 GRID 4 P. 207  
DEED: 11324/142  
PLAT: 9/33

MATCHLINE REFER TO SHEET 7

**HATCH LEGEND**

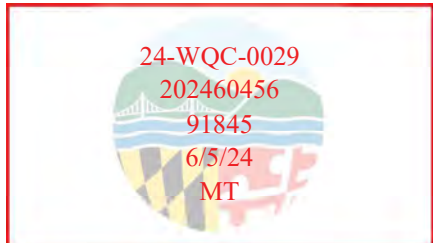


EX. STONE GROIN



PR. SAND FILL

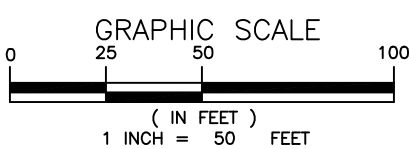
PAGE 6 OF 10



**BEACH NOURISHMENT  
AT  
RIVER DRIVE  
ANNE ARUNDEL COUNTY, MD**

APPL. BY: BAY RIDGE CIVIC ASSOCIATION, INC.

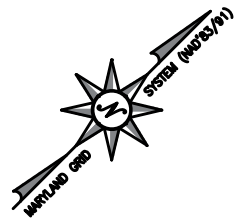
**RIVER DRIVE BEACH NOURISHMENT SITE**



**Bayland**  
Consultants & Designers, Inc.  
"Integrating Engineering and Environment"  
7455 New Ridge Road, Suite F Phone: (410) 694-9401  
Hanover, Maryland 21076 Fax: (410) 694-9405  
www.baylandinc.com

Z:\B\_02206\_BRCA\_RIVER\_DR\_BEACH\_NOURISH\_RENEW\CAD\_FILES\SHEET\_FILES\B\_02206\_IPA06\_A.DWG

MATCHLINE REFER TO SHEET 6



TAX ID 02-047-09222812  
SCOTT H. &  
KATHRYN T. ALLAN  
T.M. 57 GRID 10 P. 29  
SEC 4 LOT 11  
DEED: 3860/466  
PLAT: 3/44

TAX ID 02-047-90010867  
RICHARD E. &  
DONNA J. NASH  
T.M. 57 GRID 10 P. 29  
SEC 4 LOT 10  
DEED: 8558/340  
PLAT: 3/44

TAX ID 02-047-09843609  
LAWRENCE W. III &  
BRYNN E. HOOPER  
T.M. 57 GRID 10 P. 29  
SEC 4 LOT 8  
DEED: 33293/134  
PLAT: 3/44

TAX ID 02-047-90006043  
DOMINGO C. &  
SANDRA J. NUNEZ  
T.M. 57 GRID 10 P. 29  
SEC 4 LOT 8  
DEED: 26604/165  
PLAT: 3/44

TAX ID 02-047-90067635  
JUSTIN CASHMAN &  
KELLY M. SULLIVAN  
T.M. 57 GRID 10 P. 29  
SEC 4 LOT 7R  
DEED: 18934/484  
PLAT: 5105/293

TAX ID 02-047-06432800  
ROBERT L. &  
ROY D. HOTTEL  
T.M. 57 GRID 10 P. 29  
SEC 4 LOT 5  
DEED: 29660/155  
PLAT: 3/44

EX. HEDGE/SHRUB

EX. SANITARY  
MANHOLE (TYP)

TAX ID 02-047-00525651  
BAY RIDGE CIVIC ASSOC INC  
T.M. 57 GRID 4 P. 207  
DEED: 11324/142  
PLAT: 9/33

EX. LIMIT  
OF GRASS

RIVER DRIVE

MATCHLINE REFER TO SHEET 8

PR. 38,000 CY BEACH FILL  
(209,320 SF - ENTIRE RIVER DR. SITE)

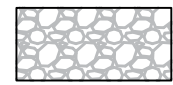
EX. STONE GROIN (TYP)

EX. MOORING PILE (TYP)

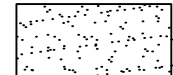
±75' MAX.  
ENCROACHMENT

SEVERN RIVER  
FLOOD  
PLAIN

### HATCH LEGEND

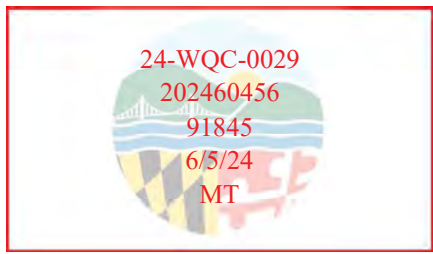


EX. STONE GROIN



PR. SAND FILL

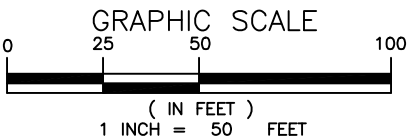
PAGE 7 OF 10



## BEACH NOURISHMENT AT RIVER DRIVE ANNE ARUNDEL COUNTY, MD

APPL. BY: BAY RIDGE CIVIC ASSOCIATION, INC.

### RIVER DRIVE BEACH NOURISHMENT SITE



**Bayland**  
Consultants & Designers, Inc.  
"Integrating Engineering and Environment"

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

Z:\B\_02206\_BRCA\_RIVER\_DR\_BEACH\_NOURISH\_RENEW\CAD\_FILES\SHEET\_FILES\B\_02206\_IPA07\_A.DWG

TAX ID 02-047-06432800  
 ROBERT L. &  
 ROY D. HOTTEL  
 T.M. 57 GRID 10 P. 29  
 SEC 4 LOT 5  
 DEED: 29660/155  
 PLAT: 3/44

TAX ID 02-047-10583506  
 JONATHAN M. &  
 MICHELE E. LEEB  
 T.M. 57 GRID 10 P. 29  
 SEC 4 LOT 4  
 DEED: 31524/494  
 PLAT: 3/44

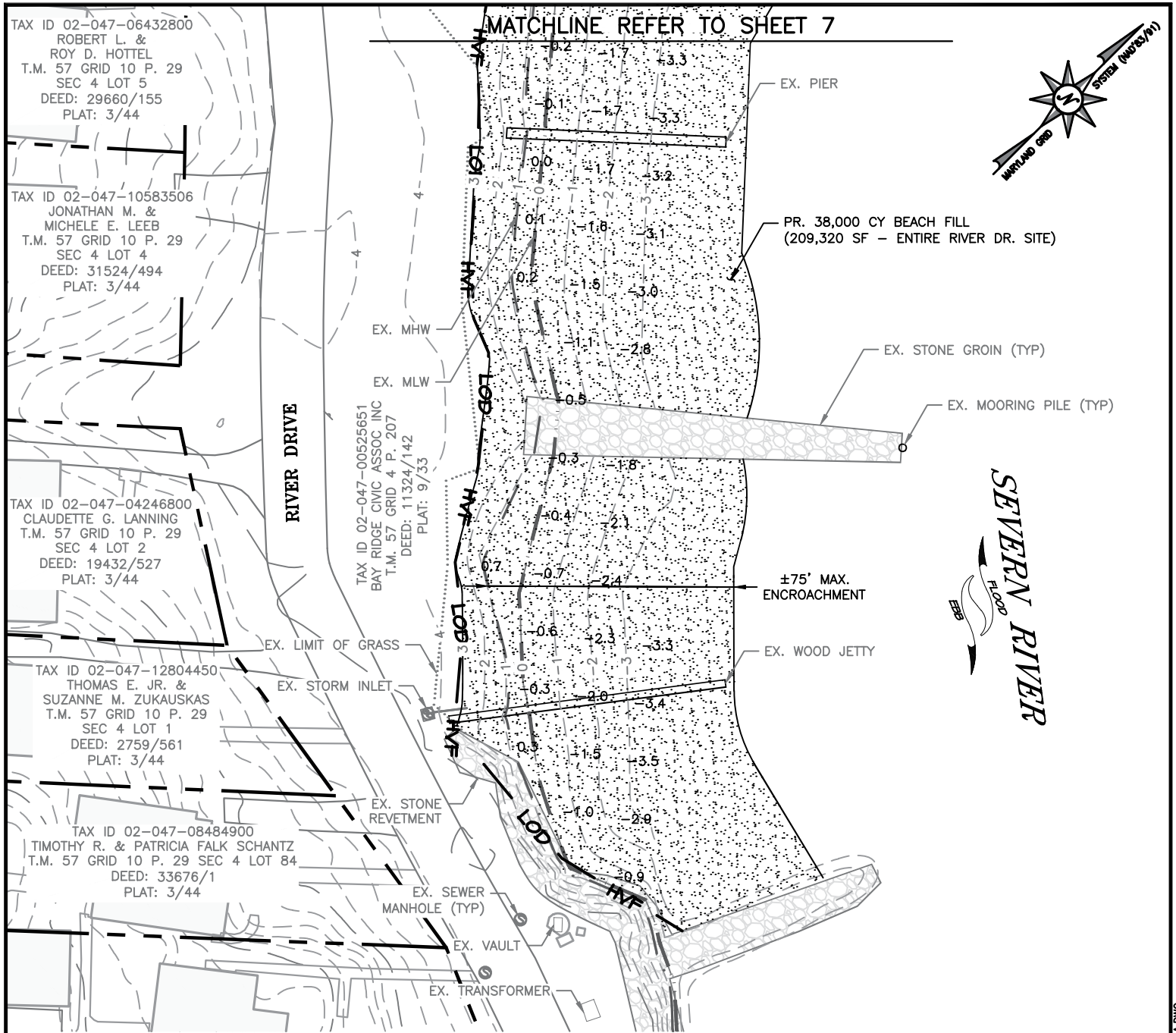
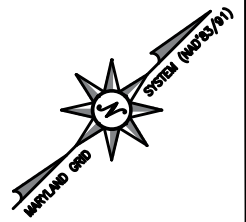
TAX ID 02-047-04246800  
 CLAUDETTE G. LANNING  
 T.M. 57 GRID 10 P. 29  
 SEC 4 LOT 2  
 DEED: 19432/527  
 PLAT: 3/44

TAX ID 02-047-12804450  
 THOMAS E. JR. &  
 SUZANNE M. ZUKAUSKAS  
 T.M. 57 GRID 10 P. 29  
 SEC 4 LOT 1  
 DEED: 2759/561  
 PLAT: 3/44

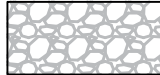
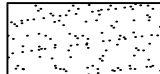
TAX ID 02-047-08484900  
 TIMOTHY R. & PATRICIA FALK SCHANTZ  
 T.M. 57 GRID 10 P. 29 SEC 4 LOT 84  
 DEED: 33676/1  
 PLAT: 3/44

TAX ID 02-047-00525651  
 BAY RIDGE CIVIC ASSOC INC  
 T.M. 57 GRID 4 P. 207  
 DEED: 11324/142  
 PLAT: 9/33

MATCHLINE REFER TO SHEET 7



**HATCH LEGEND**

-  EX. STONE GROIN
-  PR. SAND FILL

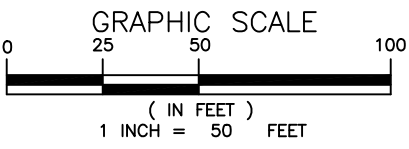
PAGE 8 OF 10

24-WQC-0029  
 202460456  
 91845  
 6/5/24  
 MT

**BEACH NOURISHMENT  
 AT  
 RIVER DRIVE  
 ANNE ARUNDEL COUNTY, MD**

APPL. BY: BAY RIDGE CIVIC ASSOCIATION, INC.

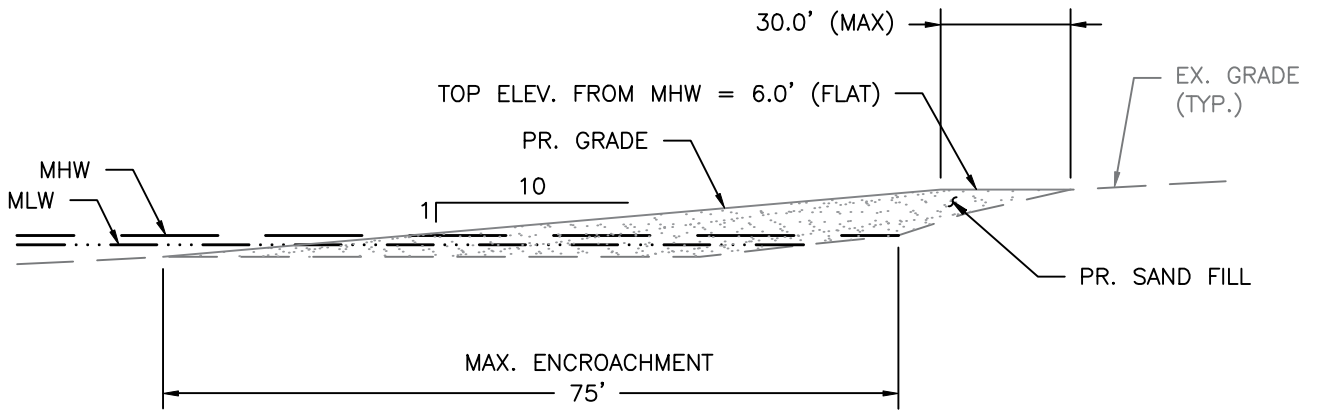
**RIVER DRIVE BEACH NOURISHMENT SITE**



**Bay and Land**  
 Consultants & Designers, Inc.  
 "Integrating Engineering and Environment"

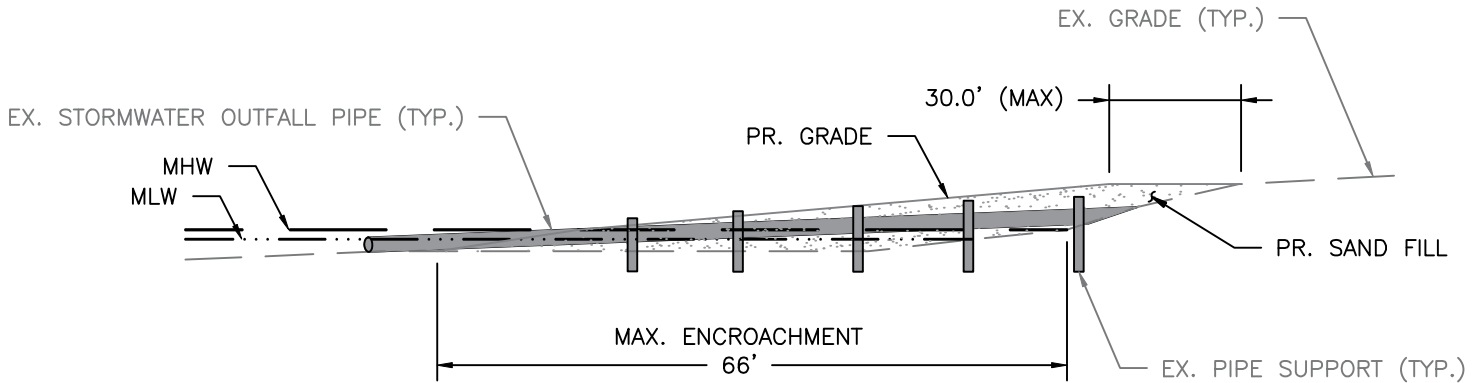
7455 New Ridge Road, Suite F Phone: (410) 694-9401  
 Hanover, Maryland 21076 Fax: (410) 694-9405  
 www.baylandinc.com

Z:\B\_02206\_BRCA\_RIVER\_DR\_BEACH\_NOURISH\_RENEW\CAD\_FILES\SHEET\_FILES\B\_02206\_IPA08\_C\_A.DWG



**TYPICAL BEACH FILL SECTION**

SCALE: 1" = 20'



**TYPICAL OUTFALL SECTION**

SCALE: 1" = 20'

BEACH NOURISHMENT  
AT  
RIVER DRIVE  
ANNE ARUNDEL COUNTY, MD

APPL. BY: BAY RIDGE CIVIC ASSOCIATION, INC.

BEACH NOURISHMENT SITE

PAGE 9 OF 10

24-WQC-0029  
202460456  
91845  
6/5/24  
MT

**Bay and**  
Consultants & Designers, Inc.  
*"Integrating Engineering and Environment"*  
7455 New Ridge Road, Suite F Phone: (410) 694-9401  
Hanover, Maryland 21076 Fax: (410) 694-9405  
www.baylandinc.com

Z:\B\_02206\_BRCA\_RIVER\_DR\_BEACH\_NOURISH\_RENEW\CAD\_FILES\SHEET\_FILES\B\_02206\_IPA04.DWG

## PROJECT SUMMARY

### SAND FILL:

RIVER DRIVE SITE - 209,320 SF, 2,331 LF (38,000 CY) (175,985 SF IN TIDAL WATERS)

BAY RIDGE SITE - 100,384 SF, 1390 LF (10,000 CY) (44,873 SF IN TIDAL WATERS)

## IMPACT SUMMARY

TOTAL PROPOSED IMPACT = 309,704 SF (7.11 AC)

TOTAL AREA OF IMPACT FROM MHW INTO TIDAL WATERS = 220,858 SF

TOTAL AREA OF IMPACT TO PRIVATE TIDAL WETLANDS = 0 SF

## NOTES

1. BASEMAP COMPILED FROM ANNE ARUNDEL COUNTY PLANIMETRICS AND AERIAL PHOTOGRAPHY.
2. SOUNDINGS AND CONTOURS ARE IN FEET AND REFER TO MLW.
3. TIDAL RANGE IS ~0.9'.
4. BATHYMETRIC SURVEY WAS PERFORMED BY DRUM, LOYKA & ASSOCIATES, LLC. ON JULY 19, 2019.
5. THESE ARE PERMIT DRAWINGS ONLY AND SUBJECT TO CHANGE DURING THE PERMIT PROCESS. DESIGN DRAWINGS ARE TO BE PREPARED SEPARATELY.

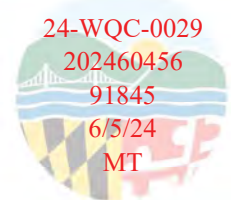
PAGE 10 OF 10

BEACH NOURISHMENT  
AT  
RIVER DRIVE  
ANNE ARUNDEL COUNTY, MD

APPL. BY: BAY RIDGE CIVIC ASSOCIATION, INC.

## SITE NOTES

DATE: FEBRUARY 2024 SHEET 10 OF 10



  
**Consultants & Designers, Inc.**  
"Integrating Engineering and Environment"  
7455 New Ridge Road, Suite F Phone: (410) 694-9401  
Hanover, Maryland 21076 Fax: (410) 694-9405  
www.baylandinc.com