

BEFORE YOU DIG CALL
1-800-257-7777 OR DIAL 811



DOWN'S PARK SHORELINE IMPROVEMENTS

ANNE ARUNDEL COUNTY DEPARTMENT OF PUBLIC WORKS

ANNE ARUNDEL COUNTY, MD

PROJECT NO. P469700
PROPOSAL NO. P469716
APRIL 2023

SHEET LIST TABLE

SHEET NUMBER	SHEET TITLE
1	COVER SHEET
2	EXISTING CONDITIONS
3	EXISTING CONDITIONS
4	EXISTING CONDITIONS
5	EXISTING CONDITIONS
6	SITE PLAN
7	SITE PLAN
8	SITE PLAN
9	CROSS SECTIONS & DETAILS

GENERAL CONSTRUCTION NOTES

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH ANNE ARUNDEL COUNTY STANDARD SPECIFICATIONS AND/OR DETAILS FOR CONSTRUCTION AND THE STATE HIGHWAY ADMINISTRATION'S HIGHWAY DRAINAGE MANUAL STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL CONTACT "MISS UTILITY" AT 1-800-257-7777 A MINIMUM OF 48 HOURS IN ADVANCE OF ANY EXCAVATION, BORING, PILE DRIVING AND/OR DIGGING FOR THE LOCATION OF GAS, ELECTRIC, TELEPHONE, WATER AND SEWER LINES. NECESSARY PRECAUTIONS SHALL BE TAKEN BY THE CONTRACTOR TO PROTECT EXISTING SERVICES AND MAINS AND ANY DAMAGE TO THEM SHALL BE REPAIRED IMMEDIATELY AT HIS OWN EXPENSE.
- IT SHALL BE DISTINCTLY UNDERSTOOD THAT FAILURE TO MENTION SPECIFICALLY ANY WORK WHICH WOULD NATURALLY BE REQUIRED TO COMPLETE THE PROJECT SHALL NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY TO COMPLETE SUCH WORK.
- WORK IS TO BE CONFINED TO WITHIN THE LIMITS SHOWN ON THE SITE PLAN. DEBRIS ALONG THE SHORELINE AND IN THE NEAR SHORE AREA WILL BE REMOVED AND DISPOSED OF OFF-SITE. AFTER SHORELINE CLEANUP, MATERIALS ARE TO BE BROUGHT TO THE SITE BY WATER ACCESS OR LAND ACCESS ROUTES AS SHOWN ON THE PLANS. THE STONE SILL STRUCTURES SHALL BE BUILT IN THE LOCATION SHOWN ON THE SITE PLAN. CONSTRUCTION WILL BE COMPLETED BY CLEANING UP THE WORK AREA, RAKING FERTILIZING, AND SEEDING AND MULCHING DISTURBED AREAS, AND PLANTING OF THE MARSH GRASSES.
- ALL EXCESS MATERIALS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AT AN APPROVED DISPOSAL LOCATION.
- DISTURBANCES THAT DO NOT DRAIN TO A SEDIMENT CONTROL DEVICE SHALL BE STABILIZED BY THE END OF THE WORKDAY. NO MORE AREA SHALL BE DISTURBED THAN CAN BE STABILIZED BY THE END OF THE WORKDAY. NO DISTURBED AREA SHALL BE LEFT UNSTABILIZED OVERNIGHT UNLESS THE RUNOFF IS DIRECTED TO AN APPROVED SEDIMENT CONTROL DEVICE. SLOPES SHALL BE STABILIZED IMMEDIATELY WITH TOPSOIL, SEED AND EROSION CONTROL MATTING (IF REQUIRED). SEE NOTE 12.
- ALL STONE USED FOR THE SILLS SHALL BE DURABLE QUARRIED STONE. THE STONE SHALL BE HARD AND ANGULAR, FREE FROM EITHER LAMINATIONS, WEAK CLEAVAGES, OR UNDESIRABLE WEATHERINGS, AND OF SUCH CHARACTER THAT IT WILL NOT DISINTEGRATE FROM THE ACTION OF AIR, SALT, WATER OR HANDLING. SEDIMENTARY STONE WILL GENERALLY BE UNACCEPTABLE. INDIVIDUAL STONES WILL BE FREE FROM THIN, SLABBY PIECES HAVING A MAXIMUM DIMENSION OF MORE THAN THREE AND ONE-HALF (3.5) TIMES THE LEAST DIMENSION.
- THE WORK INSTALLED AS A PART OF THE PROJECT WILL CONTAIN NO FAULTY MATERIALS, OR ANY CARELESS OR UNSKILLED WORKMANSHIP.
- THE CONTRACTOR SHALL CORRECT, REPAIR OR REMOVE AND REPLACE WITH PROPER WORK AT NO COST TO THE COUNTY ANY WORK FOUND NOT TO BE AS PER THE GUARANTEE. THE CONTRACTOR SHALL ALSO MAKE GOOD ALL DAMAGES CAUSED TO OTHER WORK OR MATERIALS IN THE PROCESS OF FULFILLING THE GUARANTEE.
- CONTRACTOR MUST STAY WITHIN THE LIMITS OF DISTURBANCE (LOD) WHEN STOCKPILING MATERIAL OR STORING EQUIPMENT.
- ALL DISTURBED AREAS SHALL HAVE PERMANENT OR TEMPORARY STABILIZATION COMPLETED WITHIN:
 - END OF THE WORK DAY FOR AREAS WITHIN WATERWAYS.
 - THREE CALENDAR DAYS ON SLOPES GREATER THAN 3:1 AND TO THE SURFACE OF ALL PERIMETER SEDIMENT CONTROLS.
 - SEVEN CALENDAR DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS.
- ALL DISTURBED AREAS WITH SLOPES GREATER THAN 3:1 SHALL BE STABILIZED WITH TEMPORARY SOIL STABILIZATION MATTING THAT HAS A SUFFICIENT DESIGN SHEAR STRESS FOR THE APPLICATION OR AS SHOWN ON THE APPROVED SEDIMENT AND EROSION CONTROL PLANS.
- ALL TREES WITH A DIAMETER GREATER THAN 12 INCHES WITHIN THE LIMIT OF DISTURBANCE SHALL NOT BE REMOVED UNLESS PRIOR APPROVAL IS OBTAINED OR EXPLICITLY SHOWN ON THE PLANS TO BE REMOVED. ALL TREES WITHIN THE LIMIT OF DISTURBANCE THAT ARE NOT TO BE REMOVED SHALL BE PROTECTED WITH TREE PROTECTION FENCING OR TREE REINFORCED PLANKING.
- ALL ROADS SHALL BE CLEANED AND CLEARED BY THE END OF EACH WORK DAY. ANY MUD OR ROCKS TRACKED ON THE ROADWAYS SHALL BE SWEEPED OFF BEFORE THE END OF EACH WORK DAY.
- ALL STAKING, RESTAKING, AND CUT SHEETS SHALL BE PERFORMED BY A REGISTERED LAND SURVEYOR OR PROFESSIONAL ENGINEER AT THE CONTRACTOR'S EXPENSE.
- ALL CONSTRUCTION TO BE PERFORMED IN ACCORDANCE WITH STATE OF MARYLAND OCCUPATIONAL SAFETY LAWS.
- CONTRACTOR MUST ENSURE THAT COPIES OF FEDERAL, STATE, AND COUNTY PERMITS ARE POSTED ON SITE PRIOR TO THE START OF ANY WORK.
- CONTRACTOR SHALL RESTORE ALL AREAS IMPACTED BY CONSTRUCTION ACTIVITY. THIS SHALL INCLUDE BUT IS NOT LIMITED TO GRASS AREAS, ROADS AND PAVED AREAS, ETC.

GENERAL SITE NOTES

- MEAN TIDE RANGE IS APPROXIMATELY 1.0 FEET BASED ON NOAA TIDE STATION 8575512 IN ANNAPOLIS, MD.
- HORIZONTAL AND VERTICAL CONTROL ESTABLISHED FROM REAL TIME KINEMATIC (RTK) GLOBAL POSITIONING SYSTEM (GPS) CONTROL POINTS. COORDINATES AND BEARINGS SHOWN HEREON REFER TO THE MARYLAND COORDINATE SYSTEM (MD83/91). ELEVATIONS SHOWN HEREON REFER TO MEAN LOW WATER (MLW). CONTROL POINTS SET BY BAYLAND CONSULTANTS & DESIGNERS, INC. ON 11/29/2022.

POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
TPS# 500	527,331.95'	1,472,848.11'	15.49'	YELLOW PLASTIC CAP (YPC)
TPS# 501	527,249.96'	1,473,035.49'	11.34'	YELLOW PLASTIC CAP (YPC)
TPS# 502	527,039.51'	1,473,008.62'	4.10'	YELLOW PLASTIC CAP (YPC)
TPS# 504	526,801.51'	1,473,040.27'	3.58'	YELLOW PLASTIC CAP (YPC)
TPS# 505	526,690.21'	1,473,029.42'	7.08'	YELLOW PLASTIC CAP (YPC)
- TOPOGRAPHIC AND HYDROGRAPHIC SURVEYS WERE PERFORMED BY BAYLAND NOVEMBER 23 - 29, 2022.
- CONTOURS SHOWN OUTSIDE OF LIMIT OF WORK ARE BASED ON ANNE ARUNDEL COUNTY 2020 LIDAR.
- PROPERTY LINES SHOWN ARE BASED ON ANNE ARUNDEL COUNTY CADASTRAL DATA.
- THE PROJECT SITE IS WITHIN FEMA FLOODPLAIN LIMITS (ZONE VE - 7 FT NAVD88) SHOWN ON FEMA FIRM 24003C0185F.
- THE PROJECT SITE IS WITHIN RESOURCE CONSERVATION AREA (RCA) OF CHESAPEAKE BAY CRITICAL AREA.
- THE PROJECT SITE IS WITHIN THE 100' CRITICAL AREA BUFFER.
- MARYLAND WETLAND LICENSE NO. XL-W-XXXX. U.S. ARMY CORPS OF ENGINEERS PERMIT XXXXXXXX.

SEQUENCE OF CONSTRUCTION

STEP 1	- ESTABLISH ALL PERMITS HAVE BEEN OBTAINED. PERMITS SHALL BE DISPLAYED ON SITE AT ALL TIMES THROUGHOUT THE DURATION OF THE PROJECT.	1 DAY
STEP 2	- THE CONTRACTOR SHALL CALL "MISS UTILITY" (1-800-257-7777) A MINIMUM OF TWO WEEKS IN ADVANCE OF ANY EXCAVATION, BORING, PILE DRIVING AND/OR DIGGING FOR THE LOCATION OF GAS, ELECTRIC, TELEPHONE, WATER AND SEWER LINES. NOTIFY THE ANNE ARUNDEL COUNTY DEPARTMENT OF INSPECTIONS AND PERMITS (410-222-7780) AT LEAST 48 HOURS BEFORE COMMENCING WORK, AND M.D.E. INSPECTIONS AND COMPLIANCE (410-537-3510) AT LEAST TEN (10) DAYS PRIOR TO COMMENCING TIDAL WORK. WORK MAY NOT COMMENCE UNTIL THE PERMITTEE OR THE RESPONSIBLE PERSONNEL HAVE MET ON SITE WITH THE SEDIMENT AND EROSION CONTROL INSPECTOR TO REVIEW THE APPROVED PLANS.	1 DAY
STEP 3	- HOLD A PRE-CONSTRUCTION MEETING BETWEEN PROJECT REPRESENTATIVES INCLUDING BUT NOT LIMITED TO ACO DPW, DRP REPRESENTATIVES, ENGINEER, CONTRACTORS, UTILITY REPRESENTATIVES, INSPECTOR, ETC.	1 DAY
STEP 4	- CLEAR MINIMUM AREA NECESSARY TO INSTALL ANY REQUIRED ACCESS AND EROSION AND SEDIMENT CONTROL MEASURES. THIS SHALL INCLUDE BUT NOT BE LIMITED TO STABILIZED CONSTRUCTION ENTRANCE, TURBIDITY CURTAIN, AND ANY OTHER SEDIMENT EROSION CONTROLS AS DIRECTED BY THE SEDIMENT CONTROL INSPECTOR.	5 DAYS
STEP 5	- ONCE THE SEDIMENT CONTROLS HAVE BEEN INSTALLED, CONTACT THE INSPECTOR FOR APPROVAL OF SEDIMENT CONTROL INSTALLATION PRIOR TO COMMENCING WORK. INSPECTIONS AND PERMITS MAY REQUIRE THAT AN INSPECTION AND CERTIFICATION OF THE INSTALLATION OF SEDIMENT CONTROL ALSO BE PERFORMED BY A DESIGN PROFESSIONAL PRIOR TO CONSTRUCTION COMMENCING.	1 DAY
STEP 6	- PERFORM NECESSARY BEACH CLEARING, DEMO EXISTING CONCRETE PATH, STONE DUST PATH, WALL, STONE WALL PROTECTION, AND PILINGS. CLEAR PROJECT AREA OF ANY TRASH AND DEBRIS. DISPOSE OFF-SITE TO AN APPROVED UPLAND DISPOSAL SITE.	5 DAYS
STEP 7	- INSTALL STONE STRUCTURES AS INDICATED ON THE PLANS.	45 DAYS
STEP 8	- PLACE SAND FILL AND GRADE AS SHOWN ON THE PLANS. NO MORE AREA SHALL BE DISTURBED BY GRADING/EXCAVATION THAN CAN BE PROTECTED BY THE STONE STRUCTURES AND/OR STABILIZED BY THE END OF EACH WORKING DAY. THE INTENTION OF THIS RESTRICTION IS TO ENSURE GRADING OPERATIONS DO NOT OUT-PACE STABILIZATION EFFORTS. STOCKPILE ALL MATERIAL SUITABLE FOR REUSE AND/OR AS DIRECTED BY THE ENGINEER.	25 DAYS
STEP 9	- INSTALL MARSH PLANTINGS AND SHRUBS AS SHOWN ON THE PLANS. INSTALL GOOSE AND DEER PROTECTION FENCING.	15 DAYS
STEP 10	- RESURFACE AND INSTALL ACCESS PATH. WORK CAN BE DONE CONCURRENTLY W/ STEPS 7 & 8.	10 DAYS
STEP 12	- ONCE THE AREA HAS BEEN 95% STABILIZED AND WITH PERMISSION OF THE SEDIMENT CONTROL INSPECTOR, REMOVE ALL REMAINING SEDIMENT CONTROL DEVICES. IMMEDIATELY STABILIZE ANY DISTURBED AREAS THAT RESULT FROM THE SEDIMENT CONTROL DEVICES.	1 DAY
TOTAL:		110 DAYS



LOCATION MAP

SCALE: 1"=2000'

LEGEND

APPROXIMATE PROPERTY LINE	---	EX. STONE REVETMENT	
EX. PATH	==	EX. TREE	
EX. CHAINLINK FENCE	-X-	EX. BENCH	
EX. WOOD FENCE	-□-	EX. SIGN	
EX. MAJOR CONTOUR	-○-	PR. MLW	
EX. MINOR CONTOUR	-○-	PR. MHW	
EX. MLW	-○-	PR. MAJOR CONTOUR	
EX. MHW	-○-	PR. MINOR CONTOUR	
EX. TOP OF BANK	-TOB-	PR. SAND FILL	
EX. BOTTOM OF BANK	-BOB-	PR. MARSH PLANTINGS	
CRITICAL AREA BUFFER	-CAB-	PR. SHRUB PLANTINGS	
EX. FEMA FLOODPLAIN (ZONE AE)	-ZONE AE-	PR. BREAKWATER EXTENSION	
EX. FEMA FLOODPLAIN (ZONE VE)	-ZONE VE-	PR. ADA ACCESSIBLE PERMEABLE PAVER	
EX. 500-YEAR FEMA FLOODPLAIN	-500-YR-	PR. RESURFACED PATH	
EX. MARSH	-MARSH-		

CONSULTANT'S CERTIFICATION

THE DEVELOPER'S PLAN TO CONTROL SILT AND EROSION IS ADEQUATE TO CONTAIN THE SILT AND EROSION ON THE PROPERTY COVERED BY THE PLAN. I CERTIFY THAT THIS PLAN OF EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THIS SITE, AND WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE AASCD PLAN SUBMITTAL GUIDELINES AND THE CURRENT MARYLAND STANDARDS AND SPECIFICATION FOR SOIL EROSION AND SEDIMENT CONTROL. I HAVE REVIEWED THIS EROSION AND SEDIMENT CONTROL PLAN WITH THE OWNER / DEVELOPER.

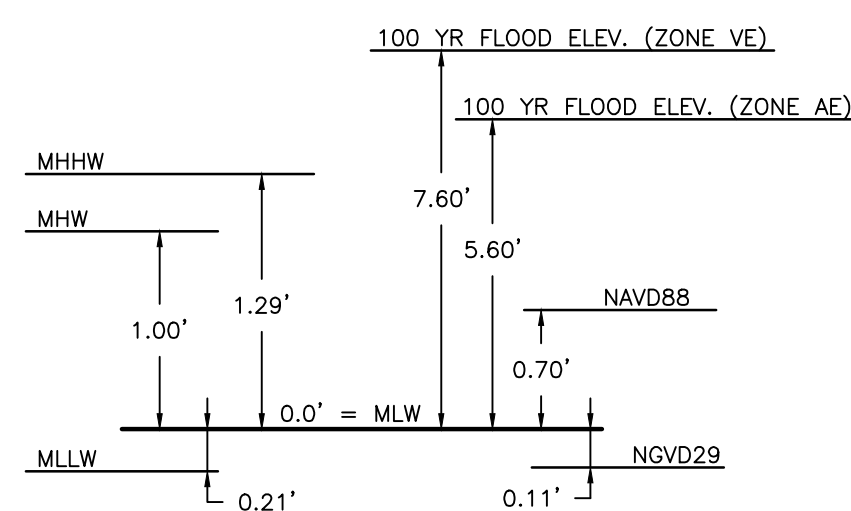
MD P.E. LICENSE # 21194
NAME SEPEHR BAHARLOU
FIRM NAME BAYLAND CONSULTANTS & DESIGNERS, INC.
ADDRESS 7455 NEW RIDGE ROAD, SUITE T
CITY HANOVER, STATE MD, ZIP CODE 21076



PROJECT INFORMATION

- OWNER/DEVELOPER: ANNE ARUNDEL COUNTY DPW CONTACT: MELISSA HARLINSKI
 - OWNER/DEVELOPER INFORMATION: 2662 RIVA ROAD - 3RD FLOOR ANNAPOLIS, MD 21401
 - ENGINEER: BAYLAND CONSULTANTS AND DESIGNERS, INC.
 - ENGINEER INFORMATION: 7455 NEW RIDGE ROAD, SUITE T HANOVER, MARYLAND 21076 410-694-9401
 - TAX MAP: 25
 - PARCEL: 271
 - DEED REF: 02979/00812
 - LOT: N/A
 - DISTRICT: 03
 - ZONING: OS
 - USE: COUNTY PARK
 - SUBWATERSHED: BODKIN CREEK
 - WATERSHED: PATAPSCO RIVER
 - GRADING PERMIT:
 - WETLAND LICENSE:
- ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE IN ACCORDANCE WITH THIS SEDIMENT AND EROSION CONTROL PLAN, AND FURTHER, AUTHORIZE THE RIGHT OF ENTRY FOR PERIODIC ON-SITE EVALUATION BY THE ANNE ARUNDEL SOIL CONSERVATION DISTRICT (AASCD) BOARD OF SUPERVISORS OR THEIR AUTHORIZED AGENTS.
 - ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE FROM THE MARYLAND DEPARTMENT OF THE ENVIRONMENT'S APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT.
RESPONSIBLE PERSONNEL ON SITE: _____
 - IF APPLICABLE, THE APPROPRIATE ENCLOSURE WILL BE CONSTRUCTED AND MAINTAINED ON SEDIMENT BASIN(S) INCLUDED IN THIS PLAN. SUCH STRUCTURE(S) WILL BE IN COMPLIANCE WITH THE ANNE ARUNDEL COUNTY CODE.
 - THE DEVELOPER IS RESPONSIBLE FOR THE ACQUISITION OF ALL EASEMENTS, RIGHT, AND/OR RIGHTS-OF-WAY THAT MAY BE REQUIRED FOR THE SEDIMENT AND EROSION CONTROL PRACTICES, STORM WATER MANAGEMENT PRACTICES AND THE DISCHARGE OF STORM WATER ONTO OR ACROSS ADJACENT OR DOWNSTREAM PROPERTIES INCLUDED IN THE PLAN.
 - FOR INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, PERMANENT AND/OR TEMPORARY STABILIZATION PER THE AASCD VEGETATIVE ESTABLISHMENT SHALL BE COMPLETED WITHIN THREE CALENDAR DAYS FOR THE SURFACE OF ALL CONTROLS, DIKES, SWALES, DITCHES, PERIMETER SLOPES AND ALL SLOPES GREATER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1); AND SEVEN DAYS FOR ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
 - THE GRADING AND SEDIMENT CONTROL APPROVAL ON THIS PLAN EXTENDS ONLY TO THOSE AREAS WITHIN THE LIMITS OF DISTURBANCE.
 - THE APPROVAL OF THIS PLAN FOR SEDIMENT AND EROSION CONTROL DOES NOT RELIEVE THE DEVELOPER/CONSULTANT FROM COMPLYING WITH FEDERAL, STATE OR COUNTY REQUIREMENTS PERTAINING TO ENVIRONMENTAL ISSUES.
 - THE DEVELOPER MUST REQUEST THAT THE SEDIMENT AND EROSION CONTROL INSPECTOR APPROVE WORK COMPLETED IN ACCORDANCE WITH THE APPROVED EROSION AND SEDIMENT CONTROL PLAN, THE GRADING OR BUILDING PERMIT, AND THE ORDINANCE.
 - ALL MATERIAL SHALL BE TAKEN TO A SITE WITH AN APPROVED SEDIMENT AND EROSION CONTROL PLAN.
 - FIRST PHASE INSPECTION AND APPROVAL OF THE SEDIMENT AND EROSION CONTROL INSPECTOR SHALL BE REQUIRED UPON COMPLETION OF THE INSTALLATION OF EROSION AND SEDIMENT CONTROLS PRIOR TO PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING. OTHER BUILDING OR GRADING INSPECTION APPROVALS MAY NOT BE AUTHORIZED UNTIL THE INITIAL APPROVAL BY THE SEDIMENT AND EROSION CONTROL INSPECTOR IS GIVEN. INSPECTION AND PERMITS MAY ALSO REQUIRE THAT AN INSPECTION AND CERTIFICATION OF THE INSTALLATION OF SEDIMENT CONTROL ALSO BE PERFORMED BY A DESIGN PROFESSIONAL PRIOR TO CONSTRUCTION COMMENCING.
 - APPROVAL FROM THE INSPECTOR MUST BE REQUESTED ON FINAL STABILIZATION OF ALL SITES PRIOR TO REMOVAL OF SEDIMENT AND EROSION CONTROLS.
 - EXISTING TOPOGRAPHY MUST BE FIELD VERIFIED BY RESPONSIBLE PERSONNEL TO THE SATISFACTION OF THE SEDIMENT CONTROL INSPECTOR PRIOR TO COMMENCING WORK.

SIGNATURE OF DEVELOPER/OWNER _____ DATE _____
PRINT: NAME: MELISSA HARLINSKI
TITLE: PROJECT MANAGER
AFFILIATION: ANNE ARUNDEL COUNTY DEPARTMENT OF PUBLIC WORKS
ADDRESS: 2662 RIVA ROAD, ANNAPOLIS, MARYLAND 21401
TELEPHONE NUMBER: 410-222-7556
EMAIL ADDRESS: PWHARL45@AACCOUNTY.ORG



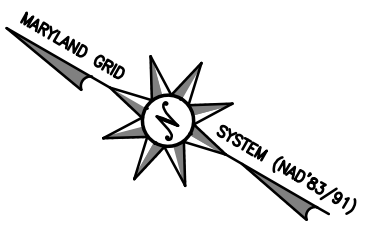
DATUM CONVERSIONS

NOT TO SCALE

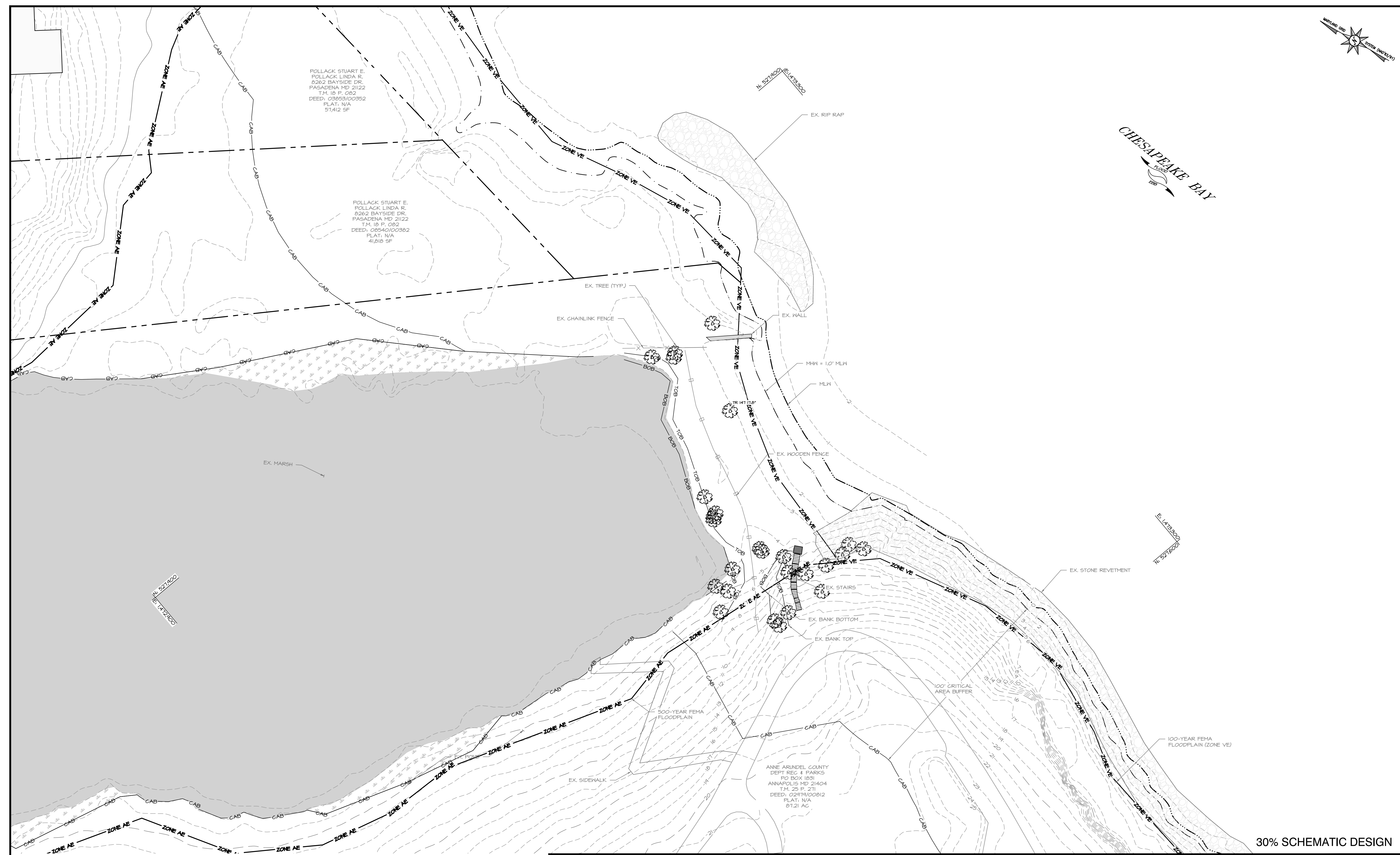
NOTE: DATUM COMPARISON BASED ON NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA) VDATUM FROM SITE LOCATION (LONG -76°26'04", (LAT) 39°06'47".

30% SCHEMATIC DESIGN

 Bayland Consultants & Designers, Inc. "Integrating Engineering and Environment" 7455 New Ridge Road, Suite T Phone: (410) 694-9401 Hanover, Maryland 21076 Fax: (410) 694-9405 www.baylandinc.com BAYLAND JOB NO. 5_13802		ANNE ARUNDEL COUNTY DEPARTMENT OF PUBLIC WORKS		SCALE: AS NOTED DESIGNED BY: AJ 4/19/23 DRAWN BY: EM/MJ 4/19/23 CHECKED BY: SB 4/19/23 SHEET NO. 1 OF 9 PROJECT NO. P469700 PROPOSAL NO. P469716		DOWN'S PARK SHORELINE IMPROVEMENT COVER SHEET
		REVISED DATE BY APPROVED DATE	APPROVED DATE	APPROVED DATE	APPROVED DATE	
		CHIEF ENGINEER	PROJECT MANAGER			
		APPROVED	APPROVED			
		ASSISTANT CHIEF ENGINEER	CHIEF, RIGHT OF WAY			

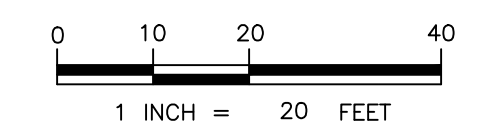


CHESAPEAKE BAY



30% SCHEMATIC DESIGN

- NOTES:**
1. BASEMAP COMPILED FROM ANNE ARUNDEL COUNTY 2020 PLANIMETRICS AND 2020 IMAGERY.
 2. TIDAL RANGE IS 1.0 FEET.
 3. BATHYMETRY IS FROM BAYLAND SURVEY DATED NOVEMBER 21, 23, 28, AND 29 2022.
 4. SOUNDINGS ARE IN FEET AND REFER TO MLW.

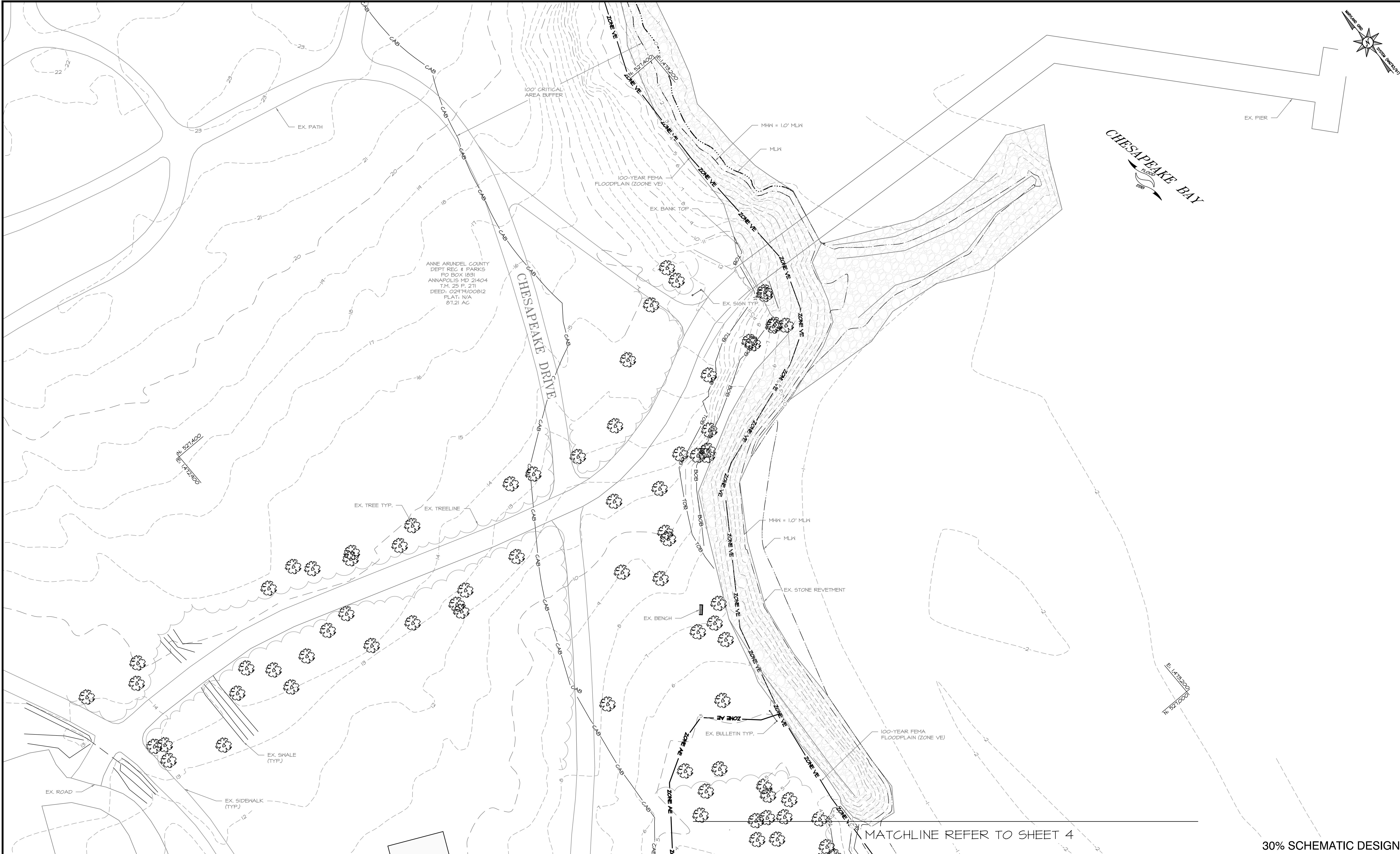
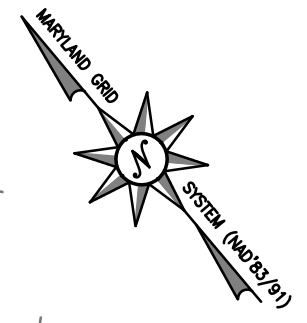


Bayland
 Consultants & Designers, Inc.
"Integrating Engineering and Environment"
 7455 New Ridge Road, Suite T Phone: (410) 694-9401
 Hanover, Maryland 21076 Fax: (410) 694-9405
 www.baylandinc.com
 BAYLAND JOB NO. 5_13802

REVISED		APPROVED		APPROVED		SCALE: 1" = 20'	
DATE	BY	DATE	DATE	DATE	DATE	DESIGNED BY: AJ	4/19/23
						DRAWN BY: EM/MJ	4/19/23
						CHECKED BY: SB	4/19/23
						SHEET NO.	2 OF 9
						PROJECT NO.	P469700
						PROPOSAL NO.	P469716

ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS
DOWN'S PARK SHORELINE IMPROVEMENT
EXISTING CONDITIONS

Z:\5_13802_DOWN'S_PARK_SHORELINE_IMPROVEMENTS\DWG_Files\Sheet_Files\5_13802_0301



ANNE ARUNDEL COUNTY
DEPT REC & PARKS
PO BOX 69
ANNAPOLIS MD 21404
TM. 25 P. 271
DEED: 02819/00812
PLAT: N/A
87.21 AC

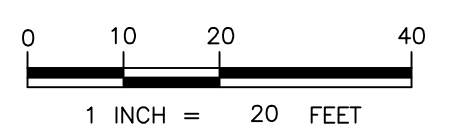
CHESAPEAKE DRIVE

CHESAPEAKE BAY

MATCHLINE REFER TO SHEET 4

30% SCHEMATIC DESIGN

- NOTES:**
1. BASEMAP COMPILED FROM ANNE ARUNDEL COUNTY 2020 PLANIMETRICS AND 2020 IMAGERY.
 2. TIDAL RANGE IS 1.0 FEET.
 3. BATHYMETRY IS FROM BAYLAND SURVEY DATED NOVEMBER 21, 23, 28, AND 29 2022.
 4. SOUNDINGS ARE IN FEET AND REFER TO MLW.



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

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

BAYLAND JOB NO. 5_13802

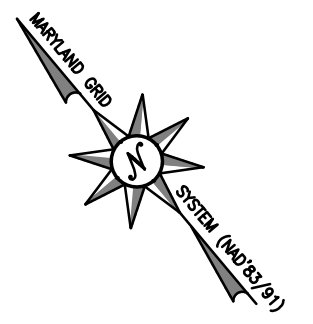
REVISED		APPROVED		DATE		APPROVED		DATE	
DATE	BY								

ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS

SCALE:	1" = 20'
DESIGNED BY:	AJ 4/19/23
DRAWN BY:	EM/MJ 4/19/23
CHECKED BY:	SB 4/19/23
SHEET NO.:	3 OF 9
PROJECT NO.:	P469700
PROPOSAL NO.:	P469716

DOWN'S PARK SHORELINE
IMPROVEMENT
EXISTING CONDITIONS

Z:\S_13802_DOWN'S PARK SHORELINE IMPROVEMENTS\DWG Files\Sheet Files\S_13802_E02



CHESAPEAKE BAY

E. 1472400
N. 5267000

MATCHLINE REFER TO SHEET 3

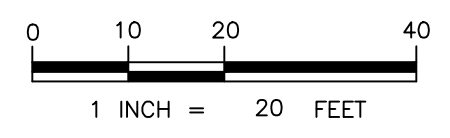
MATCHLINE REFER TO SHEET 5

30% SCHEMATIC DESIGN

ANNE ARUNDEL COUNTY
DEPT REC & PARKS
PO BOX 1831
ANNAPOLIS MD 21404
T.M. 25 P. 271
DEED: 02474/00812
PLAT: N/A
87.21 AC

CHESAPEAKE DRIVE

- NOTES:**
1. BASEMAP COMPILED FROM ANNE ARUNDEL COUNTY 2020 PLANIMETRICS AND 2020 IMAGERY.
 2. TIDAL RANGE IS 1.0 FEET.
 3. BATHYMETRY IS FROM BAYLAND SURVEY DATED NOVEMBER 21, 23, 28, AND 29 2022.
 4. SOUNDINGS ARE IN FEET AND REFER TO MLW.



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

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

BAYLAND JOB NO. 5_13802

REVISED		APPROVED		DATE		APPROVED		DATE	
DATE	BY								

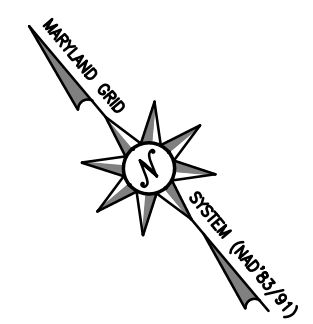
SCALE:	1" = 20'
DESIGNED BY:	AJ 4/19/23
DRAWN BY:	EM/MJ 4/19/23
CHECKED BY:	SB 4/19/23
SHEET NO.:	4 OF 9
PROJECT NO.:	P469700
PROPOSAL NO.:	P469716

ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS

DOWN'S PARK SHORELINE IMPROVEMENT

EXISTING CONDITIONS

Z:\5_13802_DOWN'S PARK SHORELINE IMPROVEMENT\DWG Files\Sheet Files\5_13802_8303



CHESAPEAKE BAY

N 526500 E 1473200

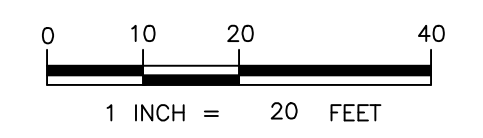
E 1473200
N 526500



ANNE ARUNDEL COUNTY
DEPT REG 42ARK5
PO BOX 1031
ANNAPOLIS MD 21404
TM 25.P. 211
DEED: 02419100812
PLAT: N/A
87.21 AC

30% SCHEMATIC DESIGN

- NOTES:**
1. BASEMAP COMPILED FROM ANNE ARUNDEL COUNTY 2020 PLANIMETRICS AND 2020 IMAGERY.
 2. TIDAL RANGE IS 1.0 FEET.
 3. BATHYMETRY IS FROM BAYLAND SURVEY DATED NOVEMBER 21, 23, 28, AND 29 2022.
 4. SOUNDINGS ARE IN FEET AND REFER TO MLW.



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

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

BAYLAND JOB NO. 5_13802

REVISED		APPROVED		DATE		APPROVED		DATE	
DATE	BY								

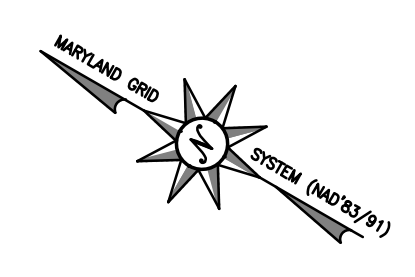
SCALE: 1" = 20'
 DESIGNED BY: AJ 4/19/23
 DRAWN BY: EM/MJ 4/19/23
 CHECKED BY: SB 4/19/23
 SHEET NO. 5 OF 9
 PROJECT NO. P469700
 PROPOSAL NO. P469716

ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS

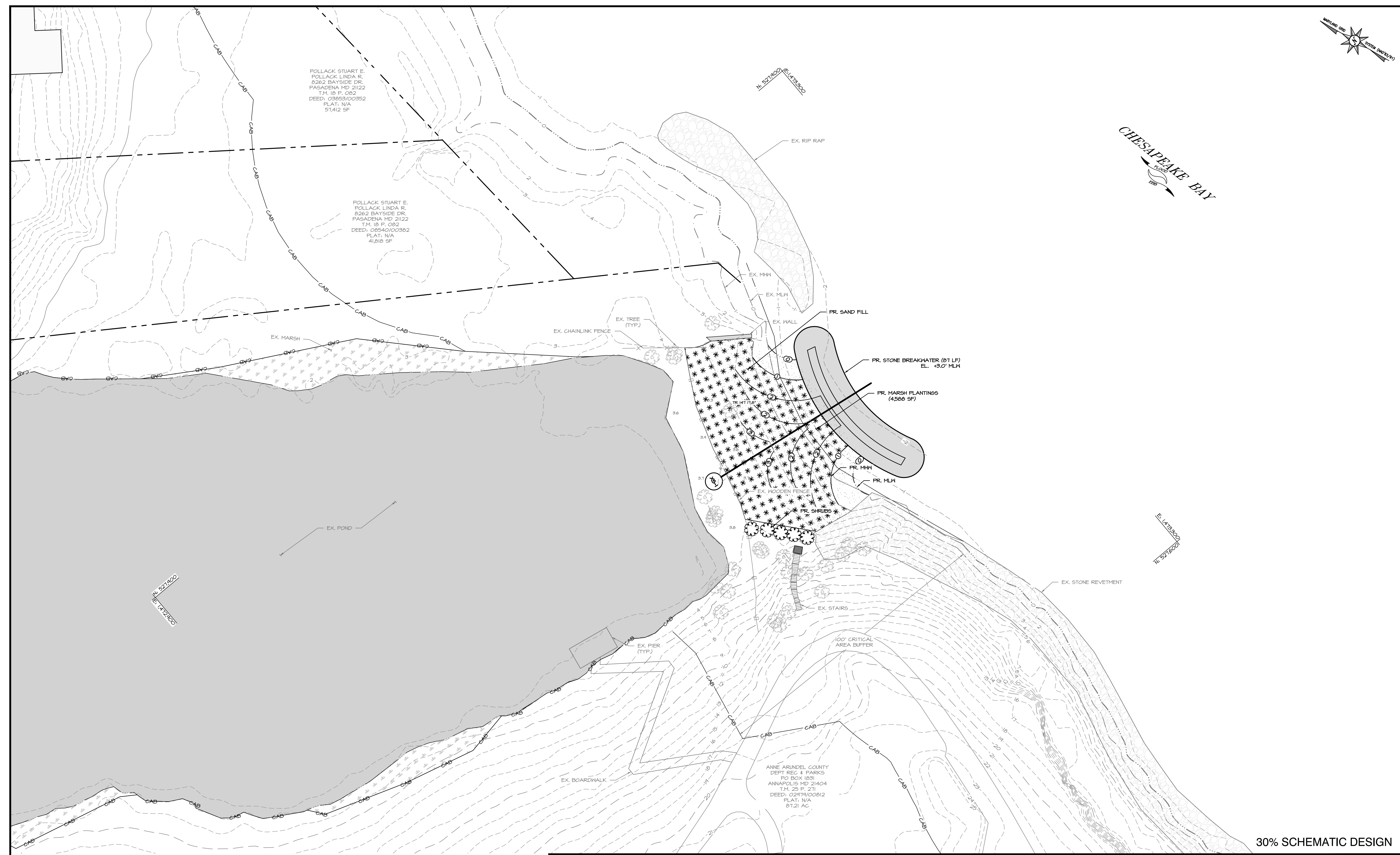
DOWN'S PARK SHORELINE IMPROVEMENT

EXISTING CONDITIONS

Z:\S_13802_DOWN'S PARK SHORELINE IMPROVEMENT\DWG Files\Sheet Files\S_13802_804

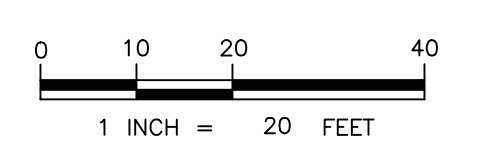


CHESAPEAKE BAY



30% SCHEMATIC DESIGN

- NOTES:**
1. BASEMAP COMPILED FROM ANNE ARUNDEL COUNTY 2020 PLANIMETRICS AND 2020 IMAGERY.
 2. TIDAL RANGE IS 1.0 FEET BASED ON NOAA'S V-DATUM CONVERSION AT LAT: 39.113, LONG: -76.434.
 3. BATHYMETRY IS FROM BAYLAND SURVEY DATED NOVEMBER 21, 23, 28, AND 29, 2022.
 4. SOUNDINGS ARE IN FEET AND REFER TO MLW.



Bayland
 Consultants & Designers, Inc.
"Integrating Engineering and Environment"
 7455 New Ridge Road, Suite T Phone: (410) 694-9401
 Hanover, Maryland 21076 Fax: (410) 694-9405
 www.baylandinc.com
 BAYLAND JOB NO. 5_13802

ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS

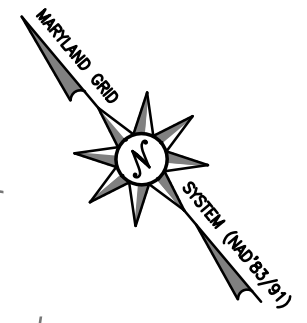
REVISED DATE	BY	APPROVED	DATE	APPROVED	DATE

SCALE: 1" = 20'
DESIGNED BY: AJ 4/19/23
DRAWN BY: EM/MJ 4/19/23
CHECKED BY: SB 4/19/23
SHEET NO. 6 OF 9
PROJECT NO. P469700
PROPOSAL NO. P469716

DOWNSPARK SHORELINE IMPROVEMENT

SITE PLAN

Z:\S_13802\DOWNSPARK_SHORELINE_IMPROVEMENTS\DWG_Files\Sheet_Files\S_13802_SPC1

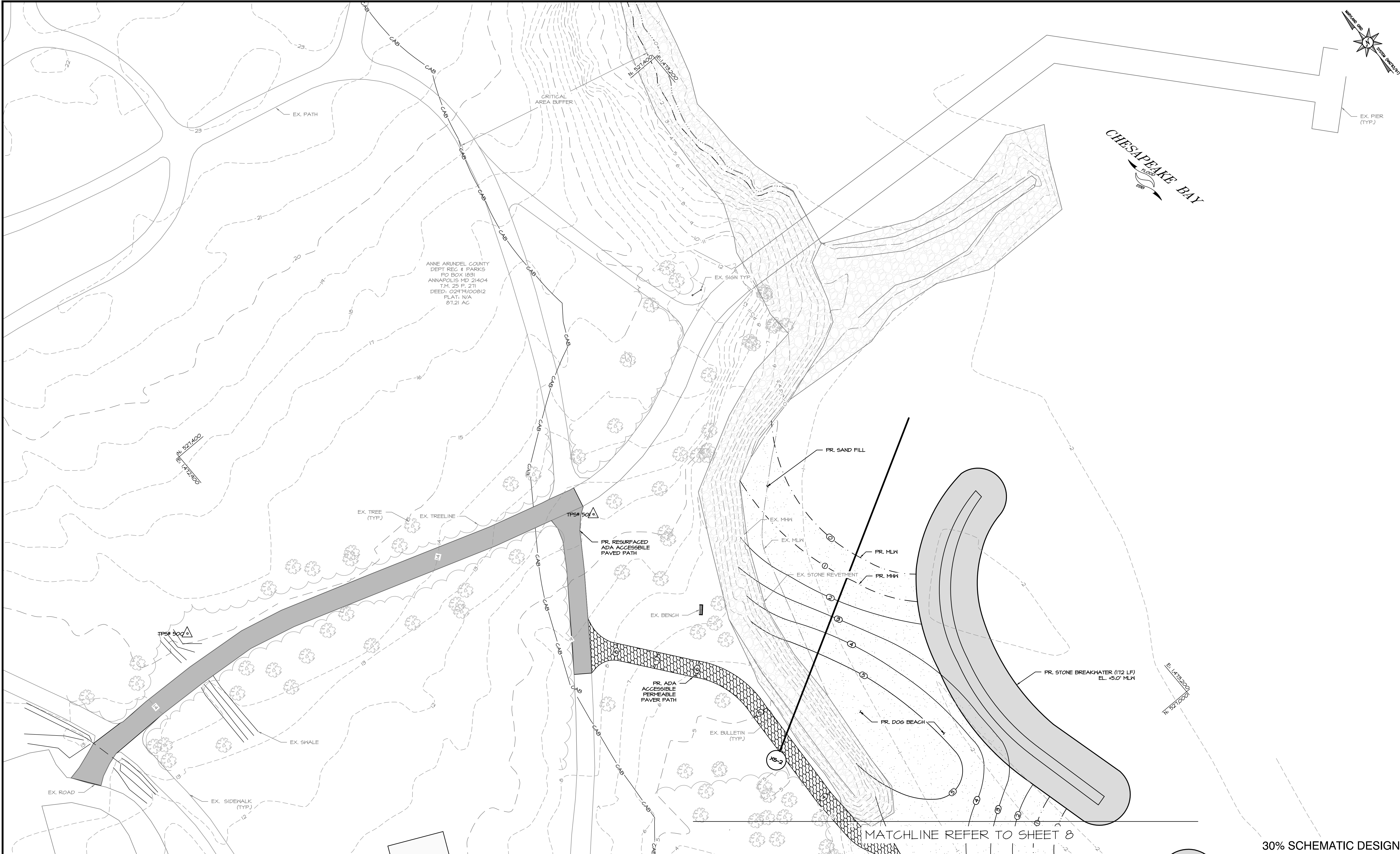


CHESAPEAKE BAY

ANNE ARUNDEL COUNTY
DEPT REC & PARKS
PO BOX 68
ANNAPOLIS MD 21404
TM. 25 P. 271
DEED: 02419/00812
PLAT: N/A
87.21 AC

N. 521400
E. 1727800

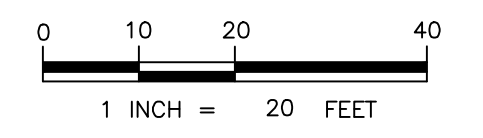
E. 1478200
N. 9212000



MATCHLINE REFER TO SHEET 8

30% SCHEMATIC DESIGN

- NOTES:**
1. BASEMAP COMPILED FROM ANNE ARUNDEL COUNTY 2020 PLANIMETRICS AND 2020 IMAGERY.
 2. TIDAL RANGE IS 1.0 FEET BASED ON NOAA'S V-DATUM CONVERSION AT LAT: 39.113, LONG: -76.434.
 3. BATHYMETRY IS FROM BAYLAND SURVEY DATED NOVEMBER 21, 23, 28, AND 29, 2022.
 4. SOUNDINGS ARE IN FEET AND REFER TO MLW.



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

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

BAYLAND JOB NO. 5_13802

REVISED		APPROVED		DATE		APPROVED		DATE	
DATE	BY								

SCALE: 1" = 20'

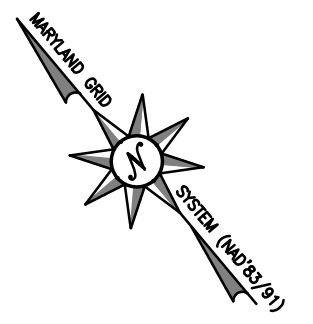
DESIGNED BY: AJ	4/19/23
DRAWN BY: EM/MJ	4/19/23
CHECKED BY: SB	4/19/23
SHEET NO.	7 OF 9
PROJECT NO.	P469700
PROPOSAL NO.	P469716

ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS

DOWNSPARK SHORELINE IMPROVEMENT

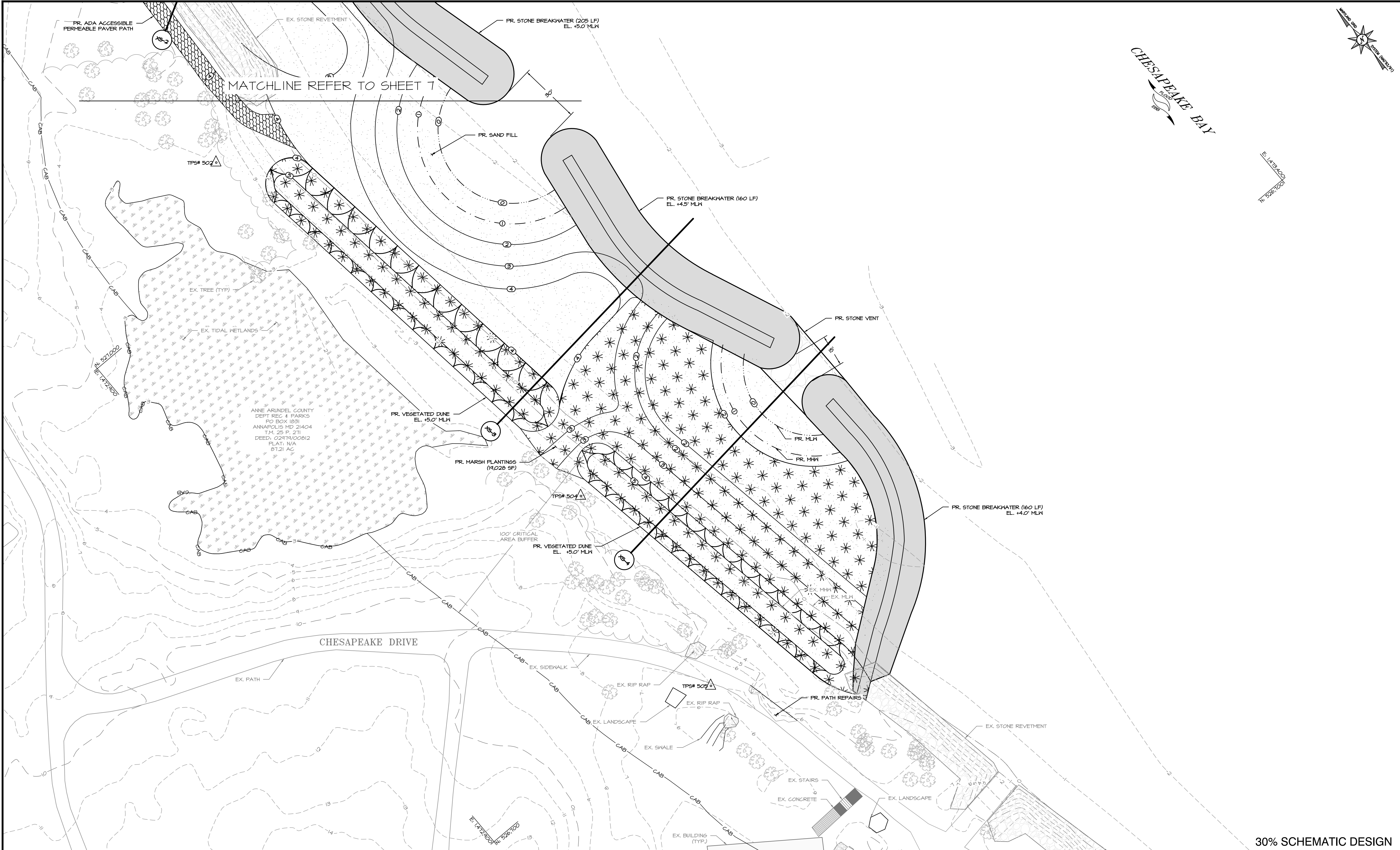
SITE PLAN

Z:\S_13802_DOWNSPARK_SHORELINE_IMPROVEMENTS\DWG_Files\Sheet_Files\S_13802_S502



CHESAPEAKE BAY

E. 1472.400
N. 526.700

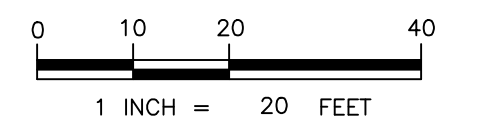


ANNE ARUNDEL COUNTY
DEPT REC & PARKS
PO BOX 1831
ANNAPOLIS MD 21404
T.M. 25 P. 271
DEED: 02479/00812
PLAT: N/A
81.21 AC

CHESAPEAKE DRIVE

30% SCHEMATIC DESIGN

- NOTES:**
1. BASEMAP COMPILED FROM ANNE ARUNDEL COUNTY 2020 PLANIMETRICS AND 2020 IMAGERY.
 2. TIDAL RANGE IS 1.0 FEET BASED ON NOAA'S V-DATUM CONVERSION AT LAT: 39.113, LONG: -76.434.
 3. BATHYMETRY IS FROM BAYLAND SURVEY DATED NOVEMBER 21, 23, 28, AND 29, 2022.
 4. SOUNDINGS ARE IN FEET AND REFER TO MLW.



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

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

BAYLAND JOB NO. 5_13802

REVISED		APPROVED		DATE		APPROVED		DATE	
DATE	BY								

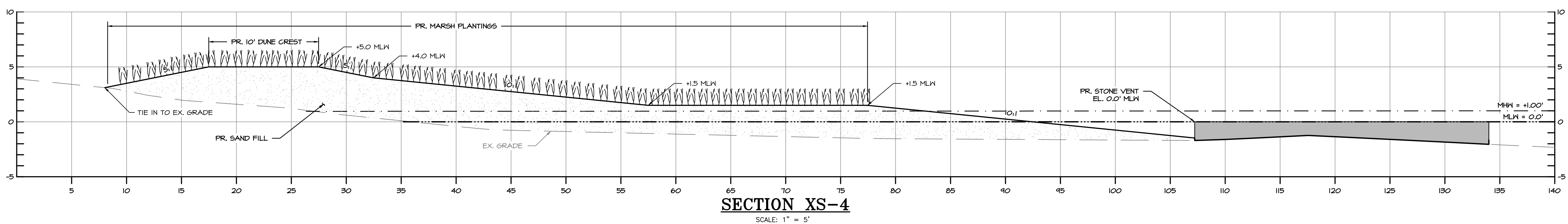
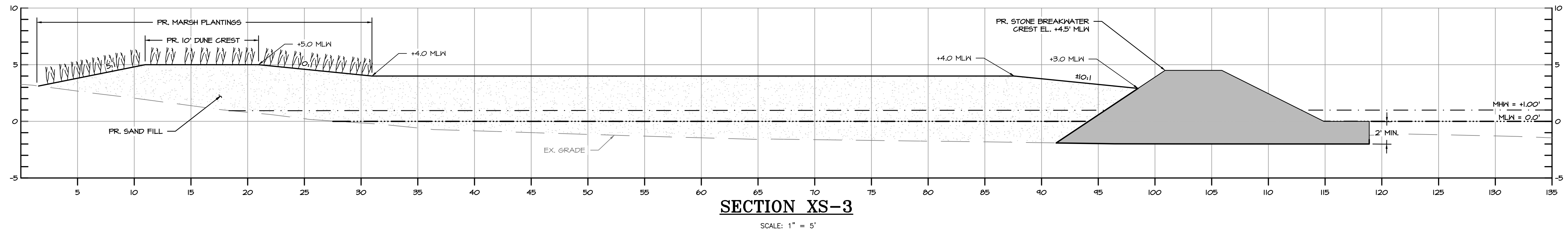
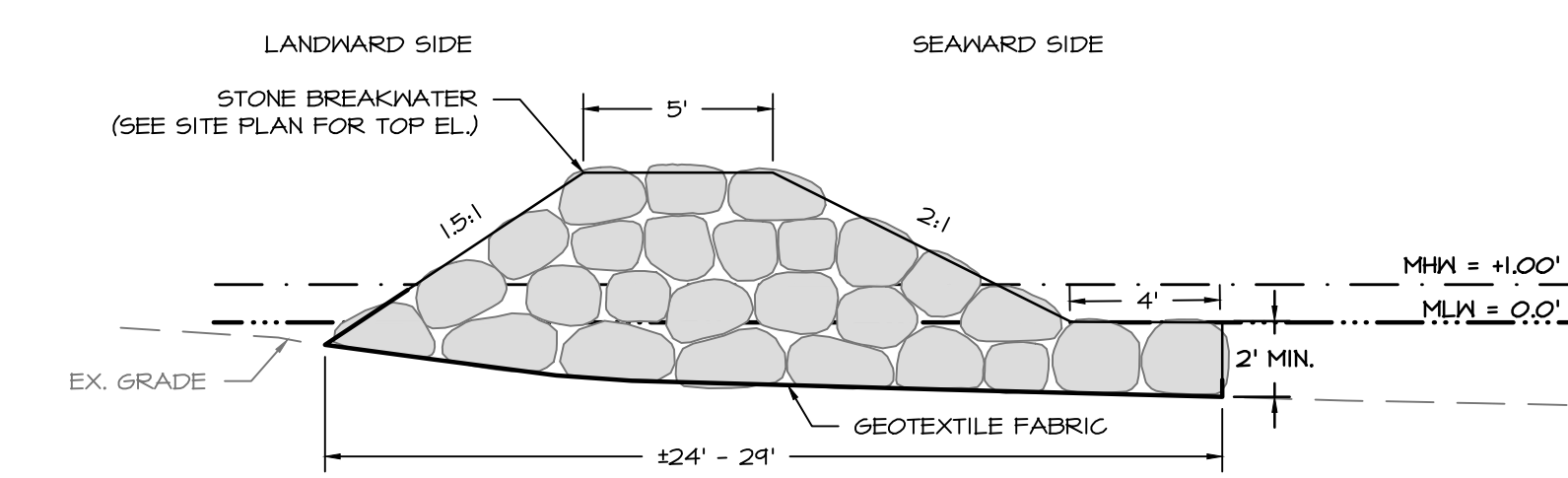
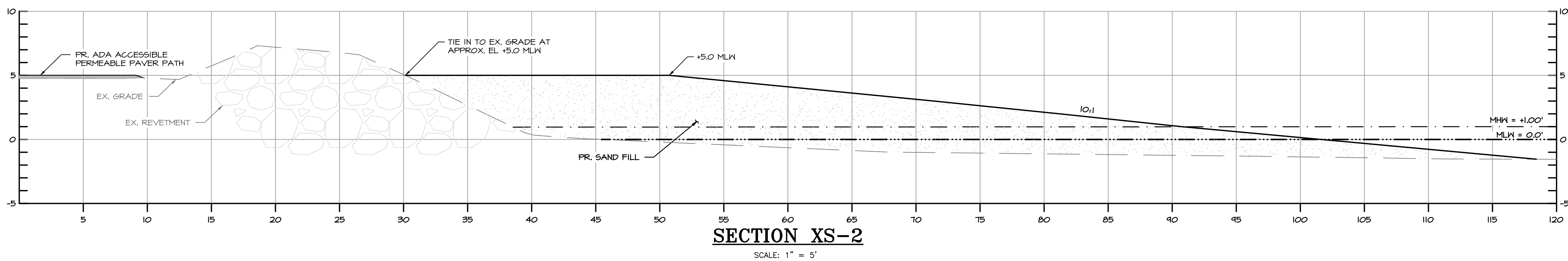
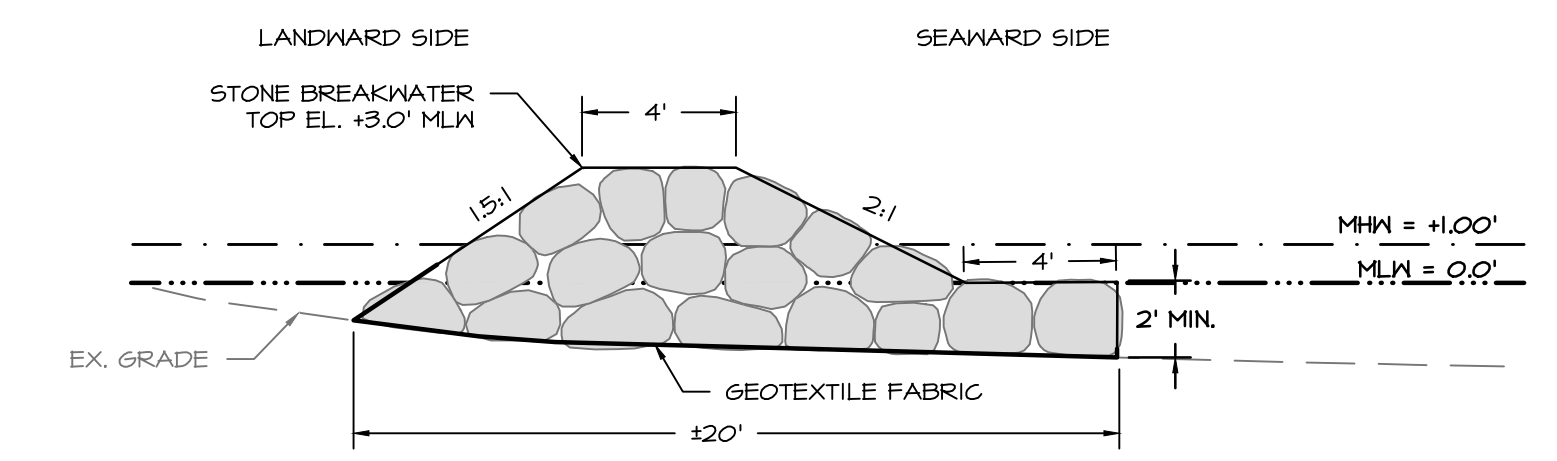
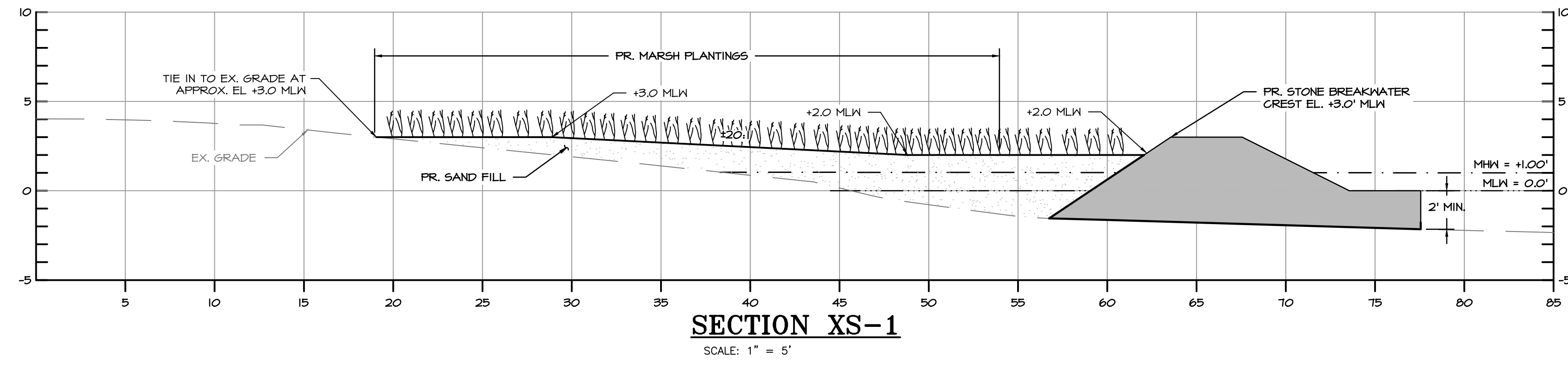
SCALE: 1" = 20'
DESIGNED BY: AJ 4/19/23
DRAWN BY: EM/MJ 4/19/23
CHECKED BY: SB 4/19/23
SHEET NO. 8 OF 9
PROJECT NO. P469700
PROPOSAL NO. P469716

ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS

DOWNSPARK SHORELINE IMPROVEMENT

SITE PLAN

Z:\S_13802_DOWNS_PARK_SHORELINE_IMPROVEMENTS\DWG_Files\Sheet Files\S_13802_SPC3



30% SCHEMATIC DESIGN

Bayland
Consultants & Designers, Inc.
"Integrating Engineering and Environment"
7455 New Ridge Road, Suite T Phone: (410) 694-9401
Hanover, Maryland 21076 Fax: (410) 694-9405
www.baylandinc.com
BAYLAND JOB NO. 5_13802

ANNE ARUNDEL COUNTY				DEPARTMENT OF PUBLIC WORKS			
REVISED	DATE	BY	APPROVED	DATE	APPROVED	DATE	SCALE: 1" = 5'
							DESIGNED BY: AJ 4/19/23
							DRAWN BY: EM/MJ 4/19/23
							CHECKED BY: SB 4/19/23
							SHEET NO. 9 OF 9
							PROJECT NO. P469700
							PROPOSAL NO. P469716

DOWNSPARK SHORELINE IMPROVEMENT
CROSS SECTIONS & DETAILS

Z:\5_13802_DOWNSPARK_SHORELINE_IMPROVEMENTS\00_Files\Sheet_Files\5_13802_XS601