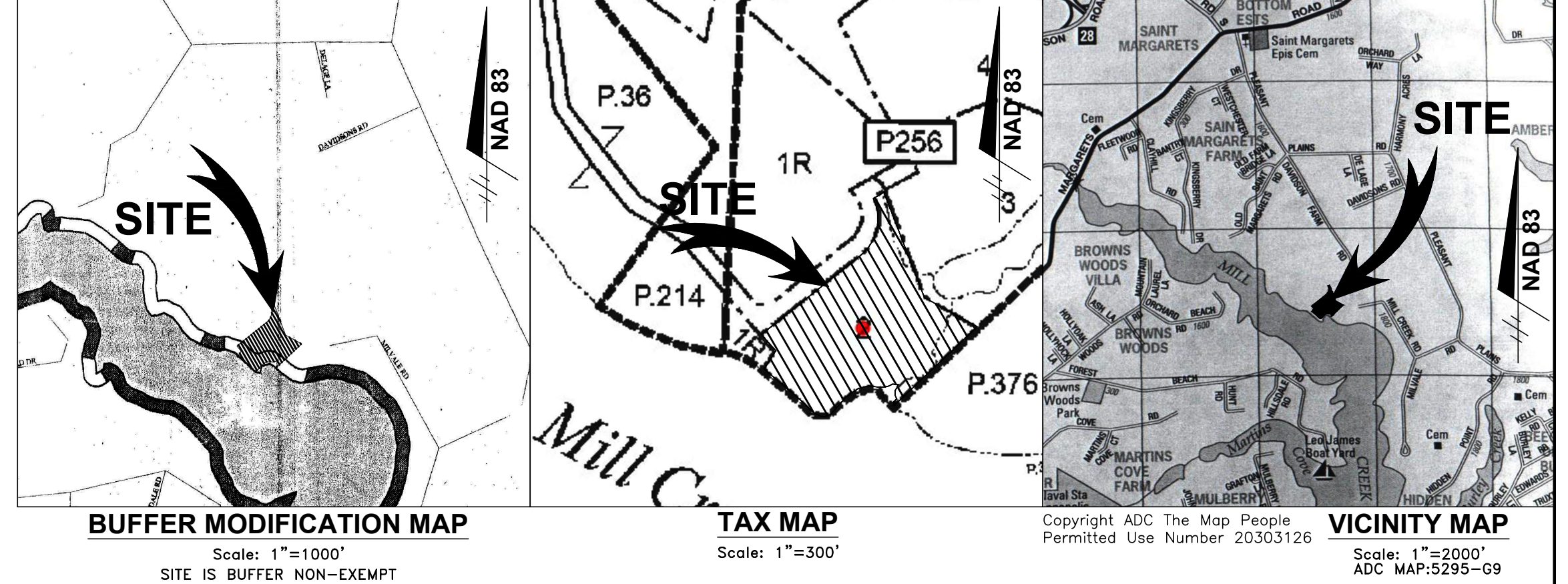
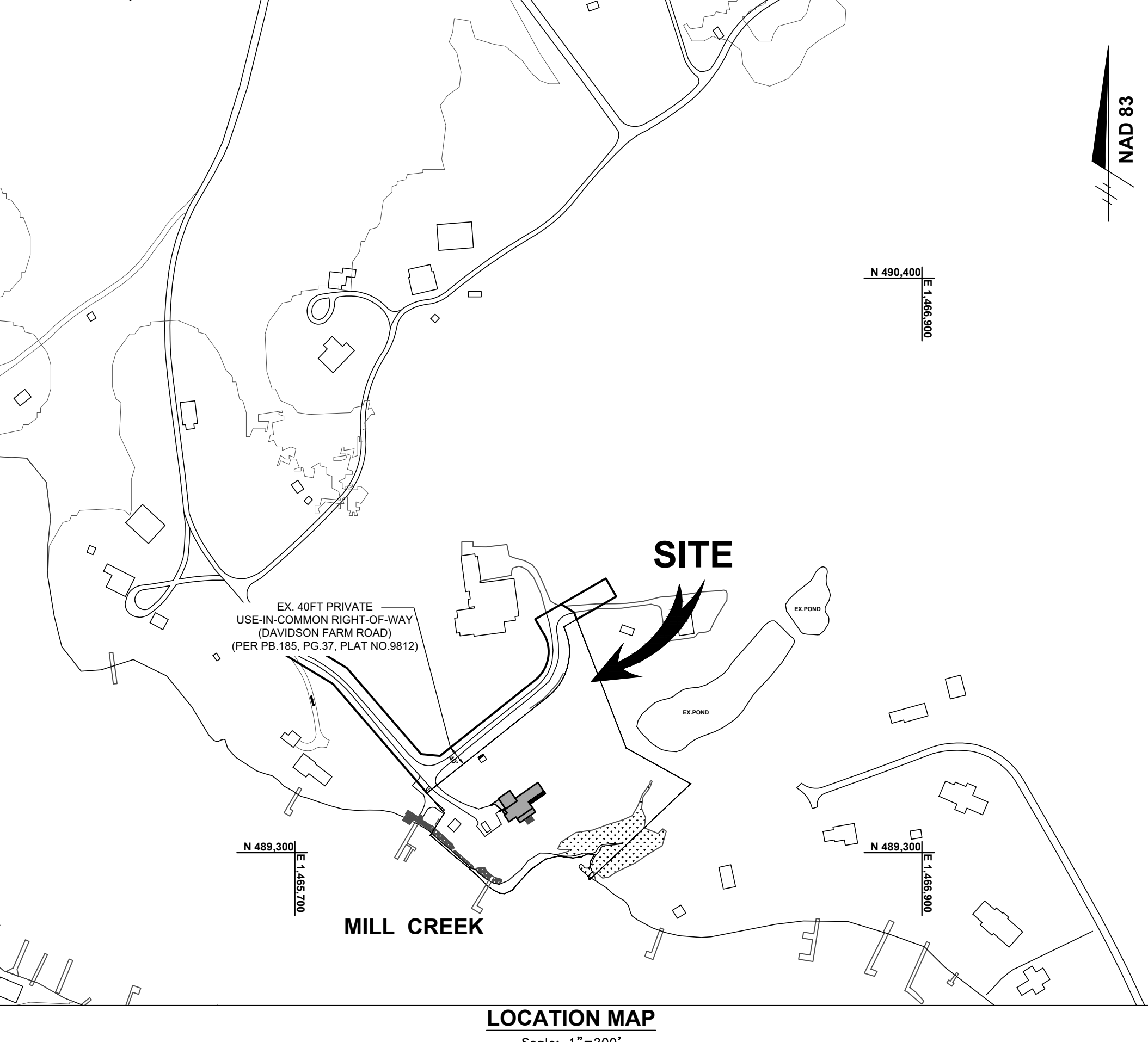


STANDARD RESPONSIBILITY NOTES

SITE DEVELOPMENT AND GRADING PLAN FOR LOT 2 OR 2.690 ACRES 1718 PLEASANT PLAINS ROAD



STORMWATER MANAGEMENT RECORD DRAWING CERTIFICATION  
THIS CERTIFIES TO THE BEST OF MY PROFESSIONAL BELIEF AND KNOWLEDGE, THE APPROVED S.W.M. SYSTEM(S) AS SHOWN HEREON HAVE BEEN CONSTRUCTED IN SUCH A MANNER THAT WOULD BE CONSISTENT WITH THE APPROVED PLANS. ANY CHANGES/MODIFICATIONS ARE SHOWN IN RED.  
ROY C. LITTLE, P.E. #13354 (EXP. 02/28/25)



- 1. I (WE) CERTIFY THAT:
  - a. 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.
  - b. 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.
- 2. 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.
- 3. 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.
- 4. THE GRADING AND SEDIMENT CONTROL APPROVAL ON THIS PLAN EXTENDS ONLY TO THOSE AREAS WITHIN THE LIMITS OF DISTURBANCE.
- 5. 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.
- 6. 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.
- 7. ALL MATERIAL SHALL BE TAKEN TO A SITE WITH AN APPROVED SEDIMENT AND EROSION CONTROL PLAN.
- 8. 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.
- 9. APPROVAL FROM THE INSPECTOR MUST BE REQUESTED ON FINAL STABILIZATION OF ALL SITES PRIOR TO REMOVAL OF SEDIMENT AND EROSION CONTROLS.
- 10. 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: EIRK R. ADDINGTON & REBECCA S. BURROWS TITLE: OWNERS  
AFFILIATION: -  
ADDRESS: 1718 PLEASANT PLAINS ROAD ANNAPOLIS, MD 21409  
TELEPHONE NUMBER: (347)-459-6760 EMAIL ADDRESS: Erik.r.addington@gmail.com

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 SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL. I HAVE REVIEWED THIS EROSION AND SEDIMENT CONTROL PLAN WITH THE OWNER/DEVELOPER.

SIGNATURE \_\_\_\_\_ MD. P.E. LICENSE # 13354 DATE 6-10-2024  
MD. LAND SURVEYOR LICENSE # \_\_\_\_\_ DATE \_\_\_\_\_  
NAME (PRINT) ROY C. LITTLE, P.E. FIRM NAME TERRAIN, INC.  
ADDRESS 106 OLD SOLOMONS ISLAND RD.  
ANNAPOLIS, MD. 21401



For Each Practice in the Drainage Area		New development (NEW), Redevlopment (REDE), or Restoration (REST)			MDP Code			New						
STORM_ID	STRU_NAME	MD E BMP CLASS	MD P BMP TYPE	CONSTRUCTION PURPOSE	ON or OFF SITE	LAND USE	DEVICE DRAINAGE AREA (SF)	IMPERVIOUS AREA (Square feet)	IMPERVIOUS ACRES RESTORED (See Note 3)	MD NORTH COORD (NAD83 - FT)	MD EAST COORD (NAD83 - FT)	WC, (F3) (See Note 5)	Maintenance Responsibility	Comments
	Non Rooftop Disconnect	E	NDRR	REDE	ON	RES	3,343 SF	3,343 SF		N-489365.45	E-1466007.37	265 CF	Individual Homeowner	
	Rain Garden	E	MRRG	REDE	ON	RES	718 SF	718 SF		N-489405.85	E-1466183.34	149 CF	Individual Homeowner	
	Micro Bio-Retention Device	E	MNRB	REDE	ON	RES	2,480 SF	2,480 SF		N-489336.41	E-1466136.55	529 CF	Individual Homeowner	
	Rain Barrels	E	M	REDE	ON	RES	3,377 SF	3,377 SF		N-489413.87	E-1466112.15	74 CF	Individual Homeowner	

NOTES:  
1- Rainfall target (from Table 5.3, Design Manual pp.5.21-22) used to determine ESD goals and size practices (for new development or redevelopment). If practice is for restoration, then PE\_REQ is 1inch.  
2- Rainfall addressed (using both ESD techniques and practices, and structural practices) by the BMPs within the drainage area.  
3- Equals ImperVIOUS Area Draining to Device when PE\_ADR = 1 inch (for restoration only)  
4- Maryland 8-Digit HUC (Hydrologic Unit Code) can be found by using the map at: <https://mda.state.md.us/programs/Water/TMDL/DataCenter/Pages/8DigitWaterheds.aspx>  
5- Water Quality volume, the smaller of the volume of the actual storage volume in the device or the volume from the 1-year 24-hour storm for the drainage area to the device ((L27 x Rv x A)/(12)  
6- If other is selected for maintenance responsibility, please explain the comments column.

STORMWATER MANAGEMENT SUMMARY TABLE				
MINIMUM SIZING CRITERIA	SYMBOL	VOLUME REQUIRED (CUBIC-FEET)	SWM PRACTICE	NOTES
WATER QUALITY VOLUME	(WQv)	203 CF	ESD METHODS	NON-ROOFTOP DISCONNECT, A RAIN GARDEN, A MICRO BIO-RETENTION DEVICE, AND SEVERAL RAIN BARRELS
RECHARGE VOLUME	(Rev)	330 CF	ESD METHODS	NON-ROOFTOP DISCONNECT, A RAIN GARDEN, A MICRO BIO-RETENTION DEVICE, AND SEVERAL RAIN BARRELS
CHANNEL PROTECTION STORAGE VOLUME	(CPv)	1,017 CF	ESD METHODS	NON-ROOFTOP DISCONNECT, A RAIN GARDEN, A MICRO BIO-RETENTION DEVICE, AND SEVERAL RAIN BARRELS
OVERBANK FLOOD PROTECTION	(Op10)	N/A	N/A	NOT REQUIRED DUE TO DRAINAGE TO TIDAL WATER (MILL CREEK)
EXTREME FLOOD	(Of)	N/A	N/A	

OUTFALL STATEMENT  
A FIELD INVESTIGATION OF THE SITE OUTFALL WAS PERFORMED BY TERRAIN INC. IN JUNE 2022. THE SITE IS AN EXISTING RESIDENTIAL CRITICAL AREA 2.69 ACRE LOT IN ANNAPOLIS, MARYLAND. THE PROPOSED DEVELOPMENT IS CONSTRUCTION OF A NEW HOUSE, PARTIAL DRIVEWAY, SEPTIC SYSTEM, DECK, AND SWM. THE SITE DRAINS FROM AN EXISTING PLATED RIGHT-TO-DISCHARGE ON THE FAR RIGHT CORNER OF THE LOT SOUTHWEST DOWN TOWARDS THE WATER (MILL CREEK). THE ULTIMATE OUTFALL IS THE SEVERN RIVER WATERSHED. ALL AREAS ARE WELL VEGETATED AND STABLE. THE OUTFALL CONFIGURATION, SOIL TYPE AND VEGETATIVE COVERS ARE SUCH THAT EROSION OR SEDIMENTATION SHALL NOT OCCUR AS A RESULT OF THE PROPOSED DEVELOPMENT, IF ALL CONSTRUCTION IS IN ACCORDANCE WITH THESE PLANS AND THE AA.CO. DESIGN CRITERIA UTILIZING THE DETAILS AND SPECIFICATION STANDARDS.

\*\*SWM NOTE  
SWM SHALL BE PROVIDED FOR THIS CRITICAL AREA RE DEVELOPMENT BY ESD METHODS TO PROVIDE WATER QUALITY, RECHARGE AND CHANNEL PROTECTION. OP IS NOT REQUIRED DUE TO SITE OUTFALL DRAINING TO TIDAL WATER (MILL CREEK). THE ESD METHODS USED WERE NON-ROOFTOP DISCONNECTS, A RAIN GARDEN, A MICRO BIO-RETENTION DEVICE, AND SEVERAL RAIN BARRELS.

STORMWATER MANAGEMENT DATA FORM

Project Table for Each Drainage Area	
Permit Number	#2976
Project Number	Pleasant Plains Road
Project Name	1718 Pleasant Plains Road
Structure Address	Annapolis
Structure City	MD
State	21409
Structure Zip	2.69 Ac
Total Drainage Area (Acres)	71
RCN - Pre Construction	72
RCN - Post Construction	71
RCN - Woods	71
Total Number of BMPs	4
PE Required (see Note 1)	1.0"
PE Addressed (see Note 2)	1.01"
MD 8-Digit HUC (see Note 4)	02-13-10-02
USGS 12-Digit HUC	

**BUFFER MODIFICATION MAP**  
Scale: 1"=1000'  
SITE IS BUFFER NON-EXEMPT

**SITE ANALYSIS**  
(EARTHWORKS/DISTURBANCE)

- CUT 480 ± CUBIC YARDS
- FILL 400 ± CUBIC YARDS 80 ± CUBIC YARDS SPOIL/BORROW
- PREDOMINANT SOIL TYPE: CRD-'B', COC-'B', & CKA-'C/D'.
- A. TOTAL AREA STRUCTURALLY STABILIZED 0.18 AC. ± 7,800 SQ. FT. ±
- 4B. TOTAL AREA VEGETATIVELY STABILIZED 0.19 AC. ± 8,380 SQ. FT. ±
- 4C. TOTAL AREA OF DISTURBANCE IS 0.37 AC. ± 16,180 SQ. FT. ±

**STRUCTURE/ PARKING ANALYSIS**  
ZONING RA/OS

- A. MAXIMUM HEIGHT FOR PRINCIPLE STRUCTURE= 45 FT. (ALLOWED) = 40 FT. (PROVIDED)
- B. MAXIMUM COVERAGE ( 25 % OF GROSS AREA)= 29,296 SQ. FT. (ALLOWED) ( 2.7 % OF GROSS AREA)= 3,160 SQ. FT. (PROVIDED)
- C. FLOOR AREA PRINCIPLE STRUCTURE= 6,320 SQ. FT. (TL. FLOORS)
- D. PARKING PROVIDED= 2 ON-SITE PARKING MIN (\*3 ON-SITE WHEN OFF STREET PARKING IS PROHIBITED)

**SEQUENCE OF CONSTRUCTION**

**TAX MAP**  
Scale: 1"=300'

**VICINITY MAP**  
Scale: 1"=2000'  
Copyright ADC The Map People  
Permitted Use Number 20353126  
ADC MAP: S295-G9

**GENERAL NOTES**

- TOTAL AREA OF SITE IS 2.690 AC. ± = 117,183 SQUARE FEET.
- EXISTING ZONING IS: RA/OS  
SETBACKS: FRONT-40FT  
REAR-35FT  
SIDE-15FT EACH/40FT COMBINED
- EXISTING USE OF THE SITE IS SINGLE FAMILY DWELLING
- PROPOSED USE OF THE SITE IS PROPOSED ADDITION
- SITE IS KNOWN AS 1718 PLEASANT PLAINS ROAD LOT 2
- EXISTING WELL AND PRIVATE SEPTIC TO BE INSTALLED AND UTILIZED.  
MASTER PLAN CATEGORIES; SEWER-S7( NO PUBLIC SERVICE) BROADNECK WATER-W7( NO PUBLIC SERVICE)
- F.E.M.A. #24003C0189F ZONE AE/X ELEV. 6.0/-
- SITE IS IN THE CRITICAL AREA ZONE. (RCA)
- THIS SITE IS LOCATED WITHIN THE SEVERN RIVER WATERSHED.
- THE SITE IS NOT IN A BOG PROTECTION AREA
- PLEASANT PLAINS ROAD IS A SCENIC OR A HISTORIC ROAD. PLEASANT PLAINS ROAD IS ALSO CLASSIFIED AS A COLLECTOR ROAD.
- CONTOURS SHOWN ON THIS PLAN ARE TAKEN FROM A.A.CO. TOPO AND UTILITY OPERATIONS MAPS. (FOR ON-SITE + OFF-SITE AREAS). BOUNDARY SHOWN ON THIS PLAN DERIVED FROM A FIELD SURVEY BY TERRAIN INC. THE CONTRACTOR SHALL VERIFY THE ELEVATIONS TO HIS OWN SATISFACTION PRIOR TO STARTING WORK. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ENGINEERS ATTENTION IMMEDIATELY.
- CUT AND FILL QUANTITIES PROVIDED UNDER SITE ANALYSIS DO NOT REPRESENT BID QUANTITIES. THESE QUANTITIES DO NOT DISTINGUISH BETWEEN TOPSOIL, STRUCTURAL FILL OR EMBANKMENT MATERIAL, NOR DO THEY REFLECT CONSIDERATION OF UNDERCUTTING OR REMOVAL OF UNSUITABLE MATERIAL. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH SITE CONDITIONS WHICH MAY AFFECT THE WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING AND REPLACING ANY EXISTING FENCES, DRIVEWAYS ETC. DAMAGED OR REMOVED DURING CONSTRUCTION.
- THE CONTRACTOR SHALL NOTIFY MISS UTILITY 1-800-257-7777. 48 HOURS BEFORE STARTING WORK SHOWN ON THESE DRAWINGS.
- THIS PLAN IS INTENDED TO PROVIDE SEDIMENT CONTROL DURING THE GRADING OF THE ROADS AND LOT(S) AND THE CONSTRUCTION OF HOUSE MEASURES HAVE BEEN TAKEN TO PREVENT SEDIMENT FROM LEAVING THE SITE.
- TERRAIN INC. HAS NOT FIELD VERIFIED EXISTING UTILITY INFORMATION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT AND OBTAIN ALL RECORDS, INFORMATION AND LOCATION PRIOR TO COMMENCEMENT OF GRADING OPERATIONS. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ENGINEERS ATTENTION IMMEDIATELY.
- ANY PERTINENT INFORMATION WITHIN 100' OF PROPERTY LINE IS SHOWN.
- THIS GRADING PERMIT# \_\_\_\_\_ WAS REVIEWED UNDER THE (2000 OR 2010) REGULATIONS FOR STORMWATER MANAGEMENT. STORMWATER MANAGEMENT PRACTICES WILL BE PROVIDED FOR THIS SITE IN ACCORDANCE WITH ARTICLE 16, SECTION 4 AND THE FINAL PLAN ON FILE WITH THE OFFICE OF PLANNING AND ZONING. ESD TO THE MEP WAS ACHIEVED THROUGH: NON-ROOFTOP DISCONNECTS, A RAIN GARDEN, A MICRO BIO-RETENTION DEVICE, AND SEVERAL RAIN BARRELS.
- BENCHMARKS:

- OBTAIN ALL NECESSARY PERMITS. CONDUCT A PRE-CONSTRUCTION MEETING; CONTRACTOR TO NOTIFY THE ANNE ARUNDEL COUNTY DEPARTMENT OF INSPECTIONS AND PERMITS AT (410) 222-7780 AT LEAST 48 HOURS PRIOR TO THE START OF CONSTRUCTION. WORK MAY NOT COMMENCE UNTIL THE PERMITEE OR THE RESPONSIBLE PERSONNEL HAVE MET ON-SITE WITH THE SEDIMENT AND EROSION CONTROL INSPECTOR TO REVIEW THE APPROVED PLANS \_\_\_\_\_ 1 DAY
  - INSTALL STABILIZED CONSTRUCTION ENTRANCE AND ALL SEDIMENT CONTROLS AS SHOWN ON PLAN. NO CLEARING OR GRADING IS TO BE DONE EXCEPT WHERE NECESSARY FOR THE INSTALLATION OF SEDIMENT CONTROLS. \_\_\_\_\_ 1 DAY
  - CONTACT THE INSPECTOR FOR APPROVAL OF SEDIMENT CONTROL INSTALLATION, INSPECTIONS AND PERMITS MAY REQUIRE THAT AN INSPECTION AND CERTIFICATION OF THE INSTALLATION OF SEDIMENT CONTROLS ALSO BE PERFORMED BY A DESIGN PROFESSIONAL PRIOR TO CONSTRUCTION COMMENCING. \_\_\_\_\_ 1 DAY
  - CLEAR, GRUB AND ROUGH GRADE SITE ONLY AS SHOWN WITHIN THE LIMITS OF DISTURBANCE. HAUL ALL DEBRIS TO AN APPROVED SITE. INSTALL DRIVEWAY BASE COURSE PRIOR TO ANY HOUSE CONSTRUCTION. \_\_\_\_\_ 1 WEEK
  - INSTALL SEPTIC SYSTEM, WELL OR OTHER UTILITIES AT THIS TIME IF THE ACCESS WILL BE BLOCKED BY BUILDING CONSTRUCTION. ANY SEDIMENT CONTROLS DAMAGED MUST BE REPLACED BY THE END OF THE WORKDAY. \_\_\_\_\_ 2 WEEKS
  - CONSTRUCT PROPOSED FOUNDATION AND ASSOCIATED IMPROVEMENTS. CONSTRUCTION OF THE FIRST FLOOR WALLS OF ANY BUILDING OR STRUCTURE MAY NOT PROCEED UNTIL THE FOUNDATION HAS BEEN BACKFILLED AND ALL DISTURBED AREAS WITHIN THE LIMITS OF DISTURBANCE HAVE BEEN PERMANENTLY OR TEMPORARILY STABILIZED. A CERTIFICATE IS TO BE PROVIDED BY THE ENGINEER TO THE INSPECTOR VERIFYING THE GRADES AND DRAINAGE PATTERNS SHOWN ON THE APPROVED EROSION AND SEDIMENT CONTROL PLAN HAVE BEEN OBTAINED. \_\_\_\_\_ 2 WEEKS
  - ONCE THE SITE IS STABILIZED, WITH THE GRADING INSPECTORS APPROVAL, FRAMING MAY COMMENCE ABOVE THE GROUND FLOOR, DURING BUILDING CONSTRUCTION BEYOND THE GROUND FLOOR, ALL DISTURBED AREAS MUST BE STABILIZED AT THE END OF EACH BUSINESS DAY. ALL AREAS ARE TO BE VEGETATIVELY STABILIZED PER ANNE ARUNDEL SOIL CONSERVATION DISTRICT'S DETAILS AND SPECIFICATIONS FOR VEGETATIVE ESTABLISHMENT. \_\_\_\_\_ 120 DAYS
  - ONCE UPSTREAM AREAS ARE 95% STABILIZED, \*\*INSTALL SWM SYSTEMS, AND DEVICES AND/OR PLANTINGS. (SEDMENT IS TO BE PREVENTED FROM ENTERING SWM SYSTEMS DURING CONSTRUCTION; INFLOW PIPES TO BE CONNECTED AFTER CONTRIBUTING DRAINAGE AREAS ARE STABILIZED.) THE ENGINEER MUST CERTIFY SWM INSTALLATION. \_\_\_\_\_ 1 WEEK
  - FINAL GRADE AND STABILIZE ALL DISTURBED AND AFFECTED AREAS. INSTALL DRIVEWAY TO FINAL SURFACE AND STABILIZE ACCESS WITH CR-6 GRAVEL OR PAVEMENT FROM ACCESS ROAD OR RIGHT-OF-WAY TO THE STRUCTURE. \_\_\_\_\_ 2 DAYS
  - WITH GRADING INSPECTOR'S APPROVAL, REMOVE REMAINING SEDIMENT CONTROLS. \_\_\_\_\_ 1 DAY
  - MAINTENANCE. \_\_\_\_\_ ONGOING
  - \*RSF TO BE FIELD REVIEWED DAILY AND MAINTAINED AS NECESSARY. \_\_\_\_\_ ONGOING
- \*\*SWM DEVICE TO BE INSPECTED AND CERTIFIED BY REGISTERED P.E.

Applicant Ex. 1  
2024-0056-V  
6/11/2024

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE #. 13354, EXPIRATION DATE: 2/28/25. (CORPORATE LICENSE #48856, EXPIRATION DATE: 2/28/2026)

**OWNERS**  
EIRK R. ADDINGTON  
REBECCA S. BURROWS  
1718 PLEASANT PLAINS ROAD  
ANNAPOLIS, MD 21409  
TEL: (347)-459-6760  
EMAIL: Erik.r.addington@gmail.com

**VARIANCE PLAN**

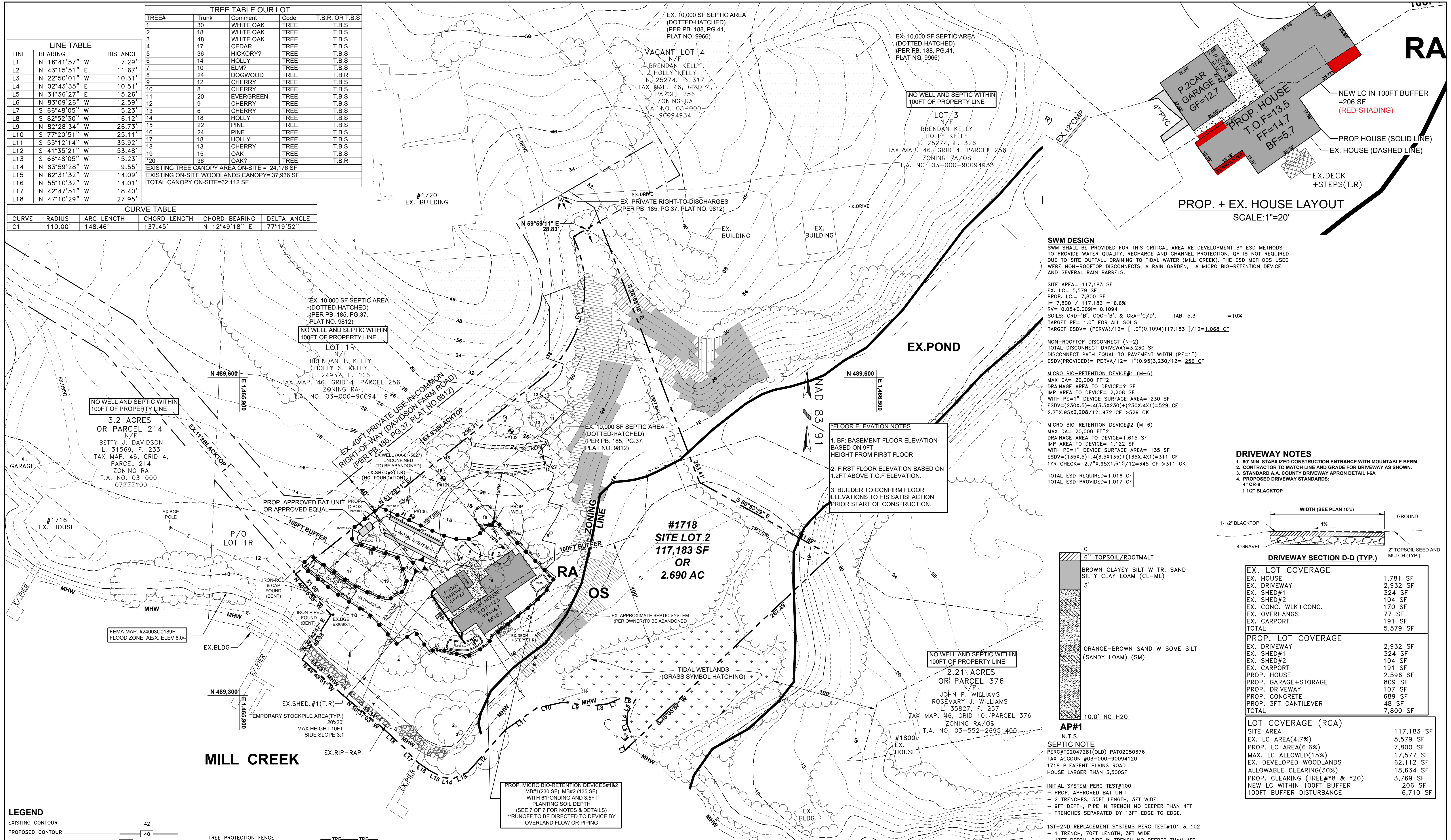
STORCK PROPERTY  
LOT 2 OR 2.690 ACRES  
PB. 185, PG'S 36-37, PLAT NO.'S 9811 & 9812  
1718 PLEASANT PLAINS ROAD  
ANNAPOLIS, MD 21409

TAX MAP 46, GRID 4, PARCEL 256 TAX ACCT#03-000-90094120 ZONING: RA  
THIRD TAX DISTRICT ANNE ARUNDEL COUNTY, MARYLAND

DATE: JUNE, 2024 DRAWN BY: D.J.B.  
SCALE: AS SHOWN CHECKED BY: R.C.L.  
SHEET: 1 OF 2 TERRAIN JOB NO. 2976

53 OLD SOLOMONS ISLAND ROAD, SUITE I  
ANNAPOLIS, MARYLAND 21401  
410-266-1160  
EMAIL: TERRAIN@COMCAST.NET

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**LINE TABLE**

LINE	BEARING	DISTANCE
L1	N 16°41'57" W	7.29'
L2	N 43°15'51" E	11.67'
L3	N 22°50'01" W	10.31'
L4	N 02°43'35" E	10.51'
L5	N 31°36'27" E	15.26'
L6	N 83°09'26" W	12.59'
L7	S 66°48'05" W	15.23'
L8	S 82°52'30" W	16.12'
L9	N 82°28'34" W	26.73'
L10	S 77°20'51" W	25.11'
L11	S 55°12'14" W	35.92'
L12	S 41°35'21" W	53.48'
L13	S 66°48'05" W	15.23'
L14	N 83°59'28" W	9.55'
L15	N 62°31'32" W	14.09'
L16	N 55°10'32" W	14.01'
L17	N 42°47'51" W	18.40'
L18	N 47°10'29" W	27.95'

**TREE TABLE OUR LOT**

TREE#	Trunk	Comment	Code	T.B.R. OR T.B.S.
1	30	WHITE OAK	TREE	T.B.S.
2	18	WHITE OAK	TREE	T.B.S.
3	48	WHITE OAK	TREE	T.B.S.
4	17	CEDAR	TREE	T.B.S.
5	36	HICKORY?	TREE	T.B.S.
6	14	HOLLY	TREE	T.B.S.
7	10	ELM?	TREE	T.B.S.
8	24	DOGWOOD	TREE	T.B.R.
9	12	CHERRY	TREE	T.B.S.
10	8	CHERRY	TREE	T.B.S.
11	20	EVERGREEN	TREE	T.B.S.
12	9	CHERRY	TREE	T.B.S.
13	6	CHERRY	TREE	T.B.S.
14	18	HOLLY	TREE	T.B.S.
15	22	PINE	TREE	T.B.S.
16	24	PINE	TREE	T.B.S.
17	18	HOLLY	TREE	T.B.S.
18	13	CHERRY	TREE	T.B.S.
19	15	OAK?	TREE	T.B.S.
20	36	OAK?	TREE	T.B.R.

EXISTING TREE CANOPY AREA ON-SITE = 24,176 SF  
 EXISTING ON-SITE WOODLANDS CANOPY = 37,936 SF  
 TOTAL CANOPY ON-SITE = 62,112 SF

**CURVE TABLE**

CURVE	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD BEARING	DELTA ANGLE
C1	110.00'	148.46'	137.45'	N 12°49'18" E	77°19'52"

**SWM DESIGN**  
 SWM SHALL BE PROVIDED FOR THIS CRITICAL AREA RE DEVELOPMENT BY ESD METHODS TO PROVIDE WATER QUALITY, RECHARGE AND CHANNEL PROTECTION. OP IS NOT REQUIRED DUE TO SITE OUTFALL DRAINING TO TIDAL WATER (MILL CREEK). THE ESD METHODS USED WERE NON-ROOFTOP DISCONNECTS, A RAIN GARDEN, A MICRO BIO-RETENTION DEVICE, AND SEVERAL RAIN BARRELS.

SITE AREA = 117,183 SF  
 EX. LC = 5,579 SF  
 PROP. LC = 7,800 SF  
 I = 7,800 / 117,183 = 6.6%  
 RV = 0.05 + 0.009I = 0.1094  
 SOILS: CRD-'B', COC-'B', & CKA-'C/D'. TAB. 5.3 I=10%  
 TARGET PE = 1.0" FOR ALL SOILS  
 TARGET ESDV = (PERVA)/12 = [1.0"(0.1094)/117,183 ]/12 = 1.068 CF

NON-ROOFTOP DISCONNECT (N=2)  
 TOTAL DISCONNECT DRIVEWAY = 3,230 SF  
 DISCONNECT PATH EQUAL TO PAVEMENT WIDTH (PE=1")  
 ESDV(PROVIDED) = PERVA/12 = 1"(0.95)/3,230/12 = 256 CF

MICRO BIO-RETENTION DEVICE#1 (M-6)  
 MAX DA = 20,000 FT<sup>2</sup>  
 DRAINAGE AREA TO DEVICE = ? SF  
 IMP AREA TO DEVICE = 2,208 SF  
 WITH PE=1" DEVICE SURFACE AREA = 230 SF  
 ESDV = (230X.5) + 4(3.5X230) + (230X.4X1) = 529 CF  
 2.7"X.95X2,208/12 = 472 CF > 529 OK

MICRO BIO-RETENTION DEVICE#2 (M-6)  
 MAX DA = 20,000 FT<sup>2</sup>  
 DRAINAGE AREA TO DEVICE = 1,615 SF  
 IMP AREA TO DEVICE = 1,122 SF  
 WITH PE=1" DEVICE SURFACE AREA = 135 SF  
 ESDV = (135X.5) + 4(3.5X135) + (135X.4X1) = 311 CF  
 1"R CHECK = 2.7"X.95X1,615/12 = 345 CF > 311 OK

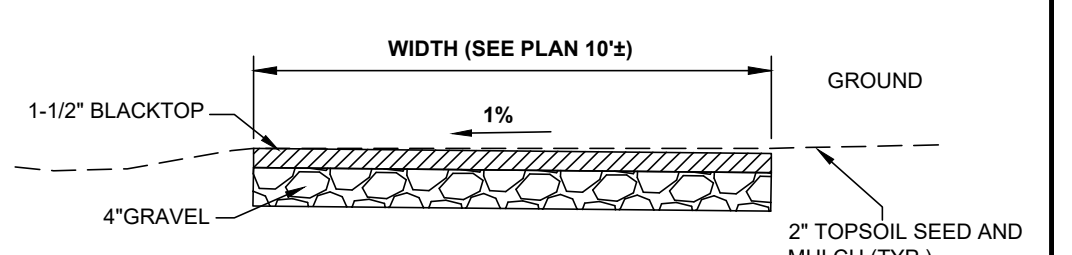
TOTAL ESD REQUIRED = 1,016 CF  
 TOTAL ESD PROVIDED = 1,017 CF

**FLOOR ELEVATION NOTES**

1. BF: BASEMENT FLOOR ELEVATION BASED ON 9FT HEIGHT FROM FIRST FLOOR
2. FIRST FLOOR ELEVATION BASED ON 1.2FT ABOVE T.O.F. ELEVATION.
3. BUILDER TO CONFIRM FLOOR ELEVATIONS TO HIS SATISFACTION PRIOR START OF CONSTRUCTION.

**DRIVEWAY NOTES**

1. 50' MIN. STABILIZED CONSTRUCTION ENTRANCE WITH MOUNTABLE BERM.
2. CONTRACTOR TO MATCH LINE AND GRADE FOR DRIVEWAY AS SHOWN.
3. STANDARD A.A. COUNTY DRIVEWAY APPROX DETAIL I-6A
4. PROPOSED DRIVEWAY STANDARDS:  
 4" CR-6  
 11/2" BLACKTOP



**EX. LOT COVERAGE**

EX. HOUSE	1,781 SF
EX. DRIVEWAY	2,932 SF
EX. SHED#1	324 SF
EX. SHED#2	104 SF
EX. CONC. W/LK+CONC.	170 SF
EX. OVERHANGS	77 SF
EX. CARPORT	191 SF
TOTAL	5,579 SF

**PROP. LOT COVERAGE**

PROP. DRIVEWAY	2,932 SF
EX. SHED#1	324 SF
EX. SHED#2	104 SF
EX. CARPORT	191 SF
PROP. HOUSE	2,596 SF
PROP. GARAGE+STORAGE	809 SF
PROP. DRIVEWAY	107 SF
PROP. CONCRETE	689 SF
PROP. 3FT CANTILEVER	48 SF
TOTAL	7,800 SF

**LOT COVERAGE (RCA)**

SITE AREA	117,183 SF
EX. LC AREA(4.7%)	5,579 SF
PROP. LC AREA(6.6%)	7,800 SF
MAX. LC ALLOWED(15%)	17,577 SF
EX. DEVELOPED WOODLANDS	62,112 SF
ALLOWABLE CLEARING(30%)	18,634 SF
PROP. CLEARING (TREE#*8 & *20)	3,769 SF
NEW LC WITHIN 100FT BUFFER	206 SF
100FT BUFFER DISTURBANCE	6,710 SF

**LEGEND**

EXISTING CONTOUR	42
PROPOSED CONTOUR	40
15% < 25% STEEP SLOPES	[Symbol]
25% > STEEP SLOPES	[Symbol]
EXISTING SPOT ELEVATION	45.00
PROPOSED SPOT ELEVATION	45.00
EXISTING TREE LINE	[Symbol]
STABILIZED CONSTRUCTION ENTRANCE	[Symbol]
REINFORCED SILT FENCE	RSF
TEMPORARY STOCKPILE AREA	[Symbol]
LIMIT OF DISTURBANCE	[Symbol]

TREE PROTECTION FENCE	TPF
FILTER LOG	FL-12
SUPER SILT FENCE	SSF
PERC TEST	[Symbol]
EXISTING BUILDING	[Symbol]
PROPOSED BUILDING	[Symbol]
STORM DRAIN	SD
EXISTING ELECTRIC	E
EXISTING FENCE	X
EX. TIDAL WETLANDS	[Symbol]
BUILDING RESTRICTION LINE	40' BRL
EX. MEAN HIGH WATER	MHW

PROP. MICRO BIO-RETENTION DEVICES#1&2  
 MB#1(230 SF) MB#2(135 SF)  
 WITH 6" PONDING AND 3.5 FT  
 PLANTING SOIL DEPTH  
 (SEE 7 OF 7 FOR NOTES & DETAILS)  
 \*\*RUNOFF TO BE DIRECTED TO DEVICE BY  
 OVERLAND FLOW OR PIPING

**PLAN**  
 SCALE: 1"=40'

**REVISION BLOCK**

NO.	DATE	DESCRIPTION	BY

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**VARIANCE PLAN**

**STORCK PROPERTY**  
 LOT 2 OR 2.690 ACRES  
 PB. 185, PG'S 36-37, PLAT NO.'S 9811 & 9812  
 1718 PLEASANT PLAINS ROAD  
 ANNAPOLIS, MD 21409

TAX MAP 46, GRID 4, PARCEL 256 TAX ACCT#03-000-90094120 ZONING:RA  
 THIRD TAX DISTRICT ANNE ARUNDEL COUNTY, MARYLAND

DATE: JUNE, 2024	DRAWN BY: D.J.B.
SCALE: AS SHOWN	CHECKED BY: R.C.L.
SHEET: 2 OF 2	TERRAIN JOB NO. 2976