#### **GENERAL NOTES**

- SUBJECT PROPERTY ZONED R-20 IN ACCORDANCE WITH THE OCTOBER 6, 2013 COMPREHENSIVE ZONING PLAN.
- TOTAL AREA OF PROPERTY = 0.944 ACRES±
- PROPERTY ADDRESS: 10707 MOOSBERGER COURT, COLUMBIA MARYLAND, 21044 PLAT REFERENCE: PLAT #3815
- DEED REFERENCE: LIBER: 1108 FOLIO: 63
- THE BOUNDARY SHOWN HERE ON IS BASED ON DEED PLOTS. THE TOPOGRAPHY SHOWN IS BASED ON HOWARD COUNTY GIS FLOWN IN 2018
- THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP, WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT. THE SOILS SHOWN HAVE BEEN TAKEN FROM THE NRCS WEB SOIL SURVEY WEBSITE.
- 10. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO HISTORIC STRUCTURES OR CEMETERIES WITHIN TH
- PROJECT BOUNDARY. 11. A FIELD REVIEW WAS PERFORMED BY BUCKHARDT ENGINEERING, LLC IN JULY OF 2023 HAS CONFIRMED THAT STEEP SLOPES, WETLAND BUFFERS, AND STREAM BUFFERS ARE NOT PRESENT ON THE PROPERTY. NO FLOODPLAINS CAN BE FOUND ON SITE.
- 12. PUBLIC WATER AND SEWER WILL BE USED WITHIN THIS SITE. 13. EXISTING UTILITIES ARE LOCATED BY THE USE OF ANY OR ALL OF THE FOLLOWING: ROAD CONSTRUCTION PLANS, FIELD SURVEYS, PUBLIC WATER AND SEWER PLANS AND OTHER AVAILABLE RECORD DRAWINGS. APPROXIMATE LOCATION OF THE EXISTING UTILITIES ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY. ON JANUARY 5TH 2024, SILL ENGINEERING GROUP, LLC PERFORMED FOUR STORMWATER MANAGEMENT
- TEST BORINGS, SEE SHEET #5 FOR BORING LOGS. 15. THIS PLAN IS EXEMPT FROM FOREST CONSERVATION OBLIGATIONS PER SECTION 16.1202(b)(2)(i) OF THE COUNTY CODE BY FILING A DECLARATION OF INTENT FOR A SINGLE RESIDENTIAL LOT WITH THE TOTAL
- AREA OF CUTTING, CLEARING OR GRADING OF FOREST RESOURCES LESS THAN 20,000SF. 16. THE CONTRACTOR SHALL NOTIFY MISS UTILITY AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK BEING DONE
- 17. PARKING: 2 PARKING SPACES ARE REQUIRED. 2 PARKING SPACES ARE PROPOSED.
- APPROVAL OF THIS ENVIRONMENTAL CONCEPT PLAN DOES NOT CONSTITUTE AN APPROVAL OF ANY SUBSEQUENT AND ASSOCIATED SUBDIVISION PLAT/PLAN AND/OR SITE DEVELOPMENT PLAN AND/OR REDLINE REVISION PLAN. REVIEW OF THIS PROJECT FOR COMPLIANCE WITH THE HOWARD COUNTY SUBDIVISION AND LAND DEVELOPMENT REGULATIONS SHALL OCCUR AT THE SUBDIVISION PLAN/PLAT AND/OR SITE DEVELOPMENT PLAN STAGES AND/OR REDLINE REVISION PROCESS. THE APPLICANT AND CONSULTANT SHOULD EXPECT ADDITIONAL AND MORE DETAILED REVIEW COMMENTS (INCLUDING COMMENTS THAT MAY ALTER THE OVERALL SITE DESIGN) AS THIS PROJECT PROGRESSES THOUGH THE PLAN REVIEW PROCESS.
- 19. PER SECTION 1.3.2(1) OF THE HOWARD COUNTY FOREST CONSERVATION MANUAL, WE ARE EXEMPT FROM FOREST CONSERVATION REQUIREMENTS, AS THE SUBJECT PROPERTY IS A RESIDENTIAL DEVELOPMENT ON A SINGLE LOT, WITH LESS THAN 20,000SF OF FOREST TO BE CLEARED.

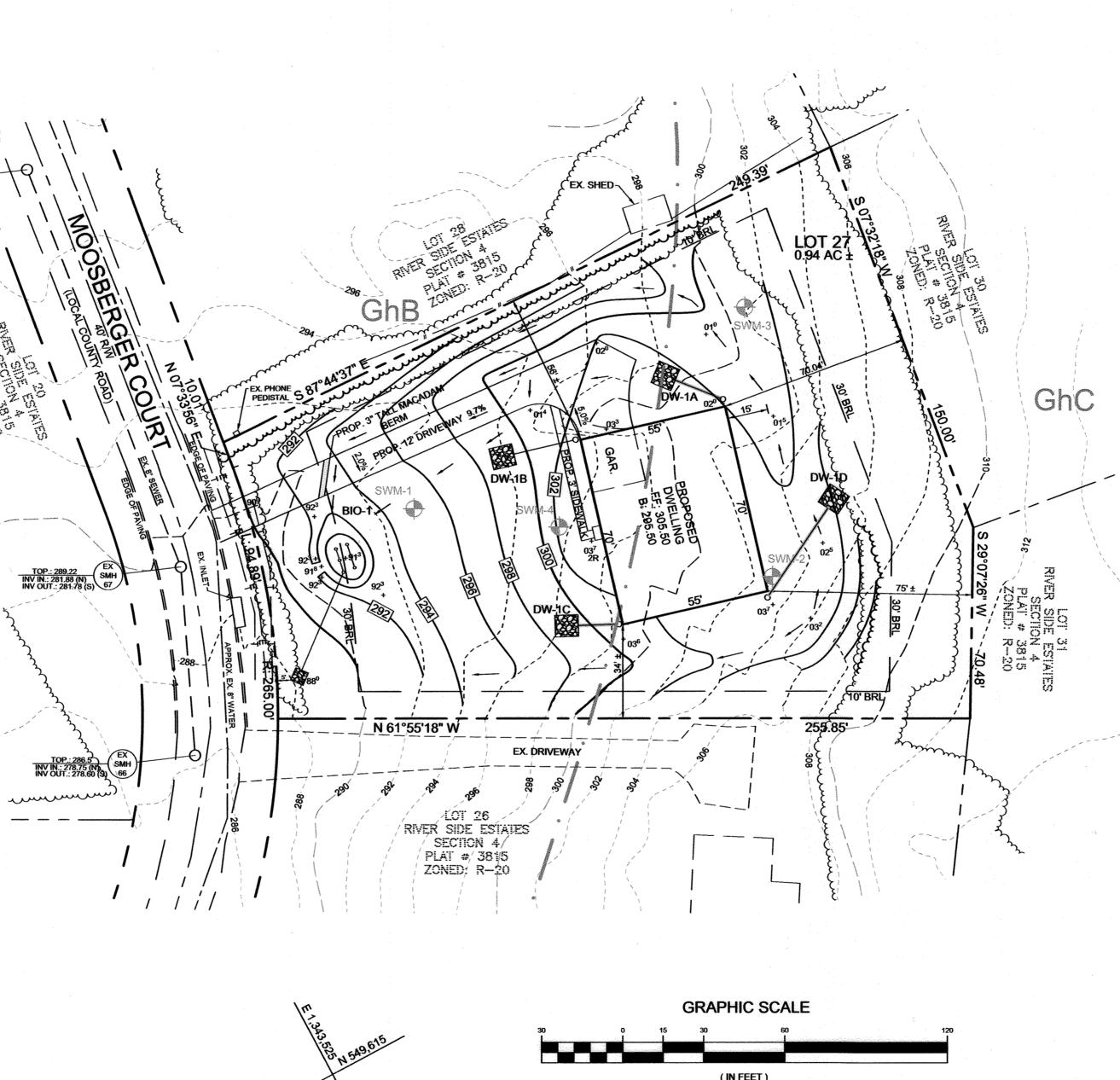
## STORMWATER MANAGEMENT **NOTES & DESIGN NARRATIVE**

BELOW IS A LIST TO DESCRIBE THE STORMWATER MANAGEMENT REQUIREMENTS AND ACHIEVEMENTS FOR THE SITE PER THE 2000 MARYLAND STORMWATER DESIGN MANUAL, VOLUMES I AND II, AS AMENDED BY THE STORMWATER MANAGEMENT ACT OF 2007.

- 1. SITE IS LOCATED WITHIN THE MIDDLE PATUXENT RIVER WASTERSHED BASIN NO. 02-13-11-06-09-58. ENVIRONMENTALLY SENSITIVE AREAS HAVE BEEN AVOIDED. NO STREAMS, WETLANDS, OR THEIR
- BUFFERS EXIST WITHIN THE LIMIT OF DISTURBANCE. 2. TO THE GREATEST EXTENT PRACTICABLE THE NATURAL FLOW PATTERNS OF THE SITE HAVE BEEN
- MAINTAINED. 3. A STABILIZED CONSTRUCTION ENTRANCE AND SUPER SILT FENCE ARE USED AS SEDIMENT AND EROSION CONTROL MEASURES.
- THE STORMWATER MANAGEMENT OBLIGATIONS FOR THIS LOT WILL BE MET BY THE USE OF FOUR (4
- DRYWELLS AND 1 MICRO-BIORETENTION FACILITY 5. NO WAIVER PETITIONS OR DESIGN MANUAL WAIVERS HAVE BEEN APPLIED FOR

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING 5.14.24 CHIEF, DEVELOPMENT ENGINEERING DIVISION DAT 516124 CHIEF, DIVISION OF LAND DEVELOPMEN

# ENVIRONMENTAL CONCEPT PLAN WOLFE PROPERTY HOWARD COUNTY, MARYLAND



TOP.: 289.22 INV IN.: 281.88 (N) INV OUT.: 281.78 (S

-----

( IN	FEET)
INCH	= 30 FEET

		STUR	NWAIERI	MANAGEN	IENI SUMI	ARY TABLE		• • • • • • • •
LOT	Pe ESDv		Dv	RECHARGE		SWM PRACTICES		
	REQUIRED	PROVIDED	REQUIRED	PROVIDED	REQUIRED	PROVIDED	MICRO-BIO	DRYWELL
27	1.2"	1.6*	780 CF	814 CF	166 CF	166 CF	1	4

#### LEGEND

EXISTING CONTOUR (FIELD RUN) ----- 382 EXISTING CONTOUR (GIS) PROPOSED CONTOUR EXISTING SPOT ELEVATION PROPOSED SPOT ELEVATION DIRECTION OF FLOW EXISTING TREELINE

\_\_\_\_\_382

SWM-1

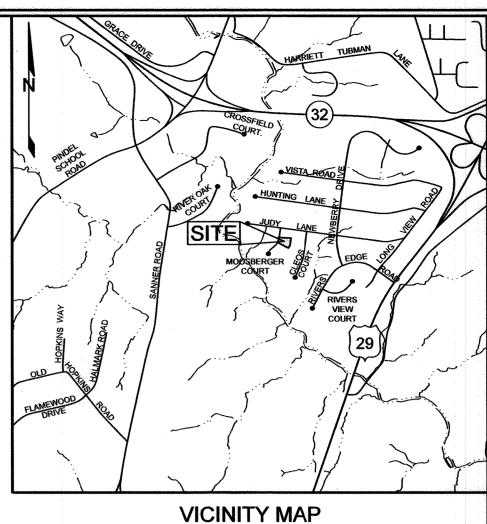
+ 8253

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PROPOSED TREELINE

PROPOSED STORMWATER TEST BORING



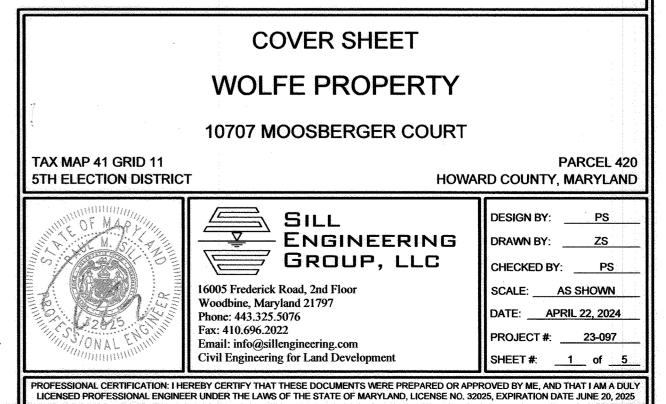
SCALE: 1"=2000'

ENVIRONMENTAL AREA	SIZE OR USE
TOTAL PROJECT AREA	0.9445 AC ±
ROW TO BE DEDICATED	0 AC
PROPOSED PROJECT AREA	0.7923 AC ±
LIMIT OF DISTURBANCE	0.7923 AC ±
GREEN OPEN AREA (LAWN)	0.0 AC ±
ROPOSED IMPERVIOUS AREA	0.1491 AC ±
STREAM BUFFER	0.0 AC ±
PROPOSED SITE USES	RESIDENTIAL
WETLANDS	0 AC ±
WETLAND BUFFERS	0 AC ±
FLOODPLAINS	0 AC ±
FLOODPLAIN BUFFERS	0 AC ±
EXISTING FOREST	0.0 AC ±
SLOPES 15%-24.9%	0 AC ±
SLOPES GREATER THAN 25%	0 AC ±
HIGHLY ERODIBLE SOILS	0 AC ±

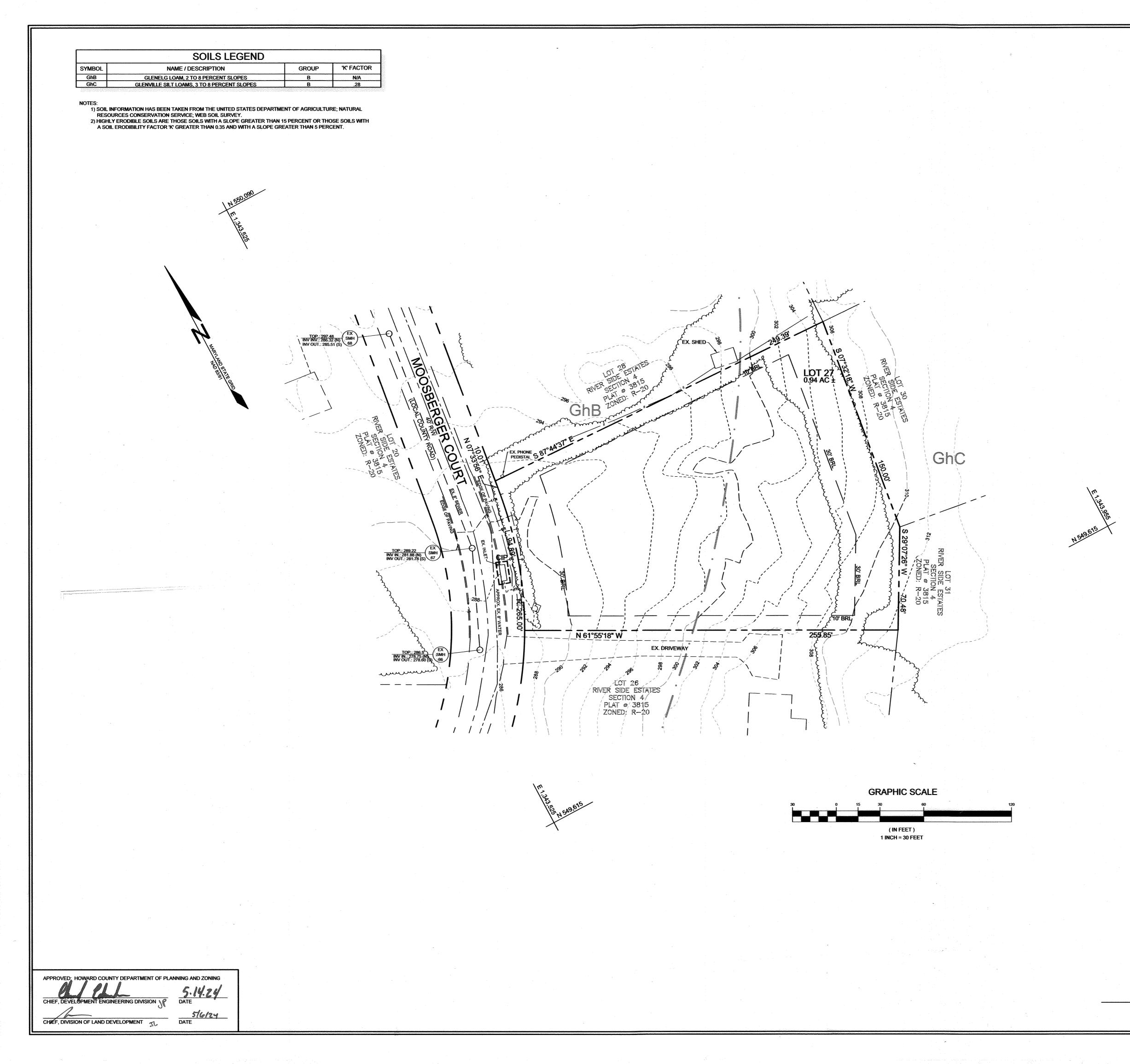
1) SOIL INFORMATION HAS BEEN TAKEN FROM THE UNITED STATES DEPARTMENT OF AGRICULTURE; NATURAL RESOURCES CONSERVATION SERVICE; WEB SOIL SURVEY.

2) HIGHLY ERODIBLE SOILS ARE THOSE SOILS WITH A SLOPE GREATER THAN 15 PERCENT OR THOSE SOILS WITH A SOIL ERODIBILITY FACTOR 'K' **GREATER THAN 0.35 AND WITH A SLOPE GREATER** THAN 5 PERCENT

	SHEET INDEX	
SHEET NO.	DESCRIPTION	
1	COVER SHEET	
2	EXISTING CONDITIONS PLAN	
3	CONCEPTUAL GRADING & SEDIMENT AND EROSION CONTROL PLAN	
4	CONCEPTUAL DRAINAGE AREA MAP	
5	STORMWATER MANAGEMENT NOTES & DETAILS	



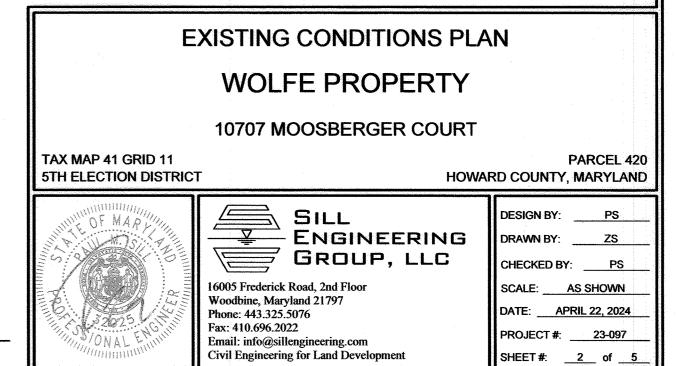
**OWNER/DEVELOPER** LLOYD & PEARL WOLFE 10711 MOOSBERGER COURT COLUMBIA, MARYLAND 21044



## LEGEND

EXISTING CONTOUR (FIELD RUN) -----382 EXISTING CONTOUR (GIS) EXISTING SPOT ELEVATION DIRECTION OF FLOW EXISTING TREELINE

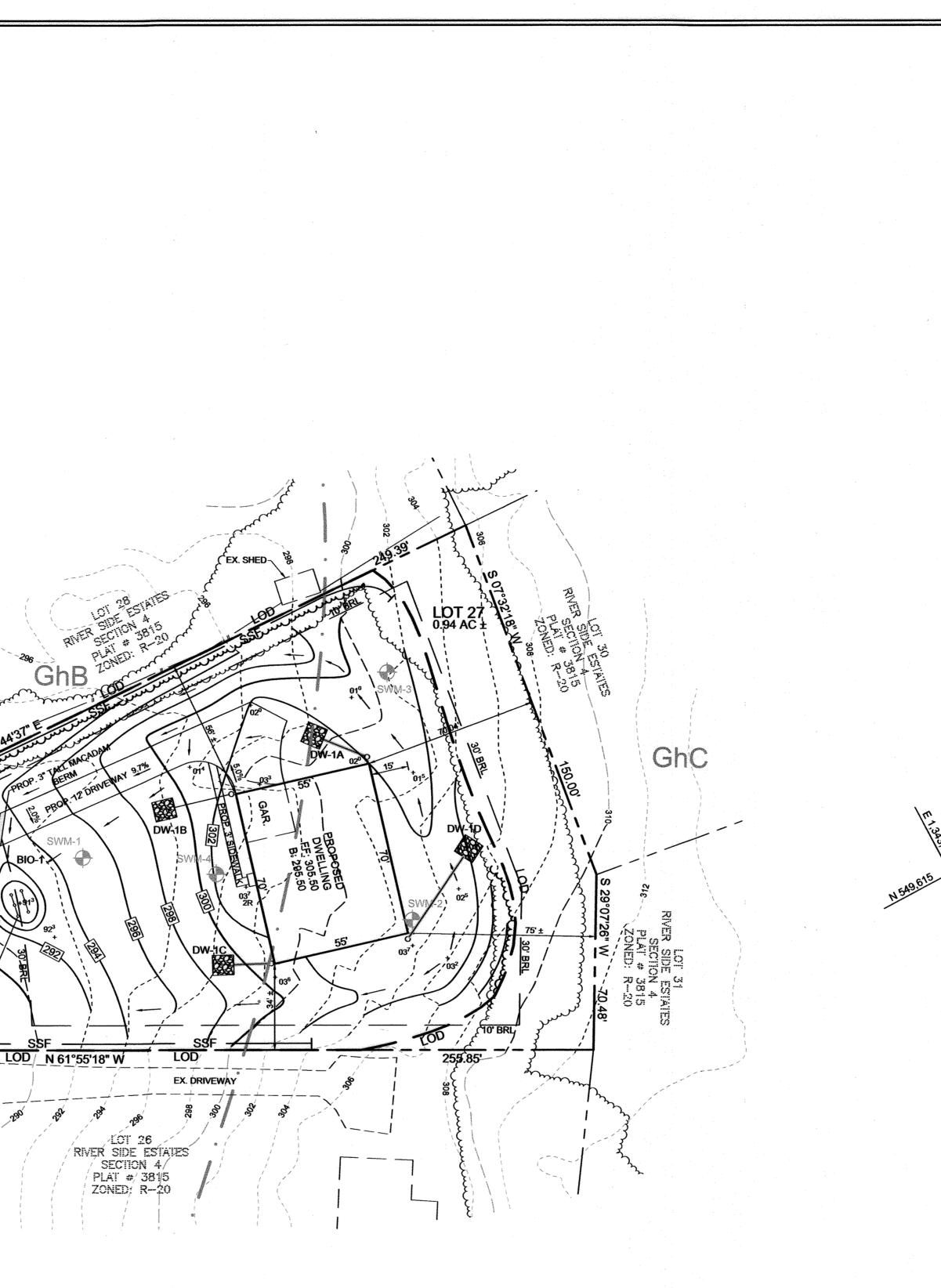
\_\_\_\_\_382 382.3 mmmm

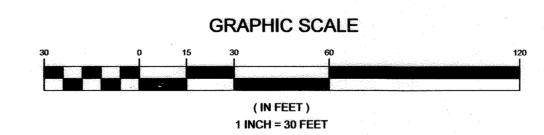


PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 32025, EXPIRATION DATE JUNE 20, 2025

**OWNER/DEVELOPER** LLOYD & PEARL WOLFE 10711 MOOSBERGER COURT COLUMBIA, MARYLAND 21044

SYMBOL	SOILS LEGEND	GROUP 'K' FACTOR
	ENELG LOAM, 2 TO 8 PERCENT SLOPES ILLE SILT LOAMS, 3 TO 8 PERCENT SLOPES	B N/A B 28
NOTES: 1) SOIL INFORMATION HA RESOURCES CONSERV	S BEEN TAKEN FROM THE UNITED STATES DEPARTMI /ATION SERVICE; WEB SOIL SURVEY.	MENT OF AGRICULTURE; NATURAL
2) HIGHLY ERODIBLE SOI	ATION SERVICE; WEB SOIL SURVEY. LS ARE THOSE SOILS WITH A SLOPE GREATER THAN ICTOR 'K' GREATER THAN 0.35 AND WITH A SLOPE GR	
	LN 550,090	
	E-1-3433 525	
	525	
	in the	TOP: 297.48 INV INV: 286.32 (N) SMH INV OUT: 285.51 (S) 68
	MARTIE	TOP:: 297.48 INV INV:: 286.32 (N) (SMH) INV OUT:: 285.51 (S) 68
	ALD SIDIE	
		NE CONTRACTOR
		TOP: 289.22 INV/ IN- 281.98 (N) EX SMH
		INV OUT : 281-78 (s) 67
		2288-1 PROX. EX 8" WATER
		TOP::286.5 INV IN::278.75 (N) INV OUT::278.60 (3) 66
		1 / / / / /
		/m /m
ED: HOWARD COUNTY DEPAI	RTMENT OF PLANNING AND ZONING DIVISION JP DATE DIVISION JP DATE DATE	

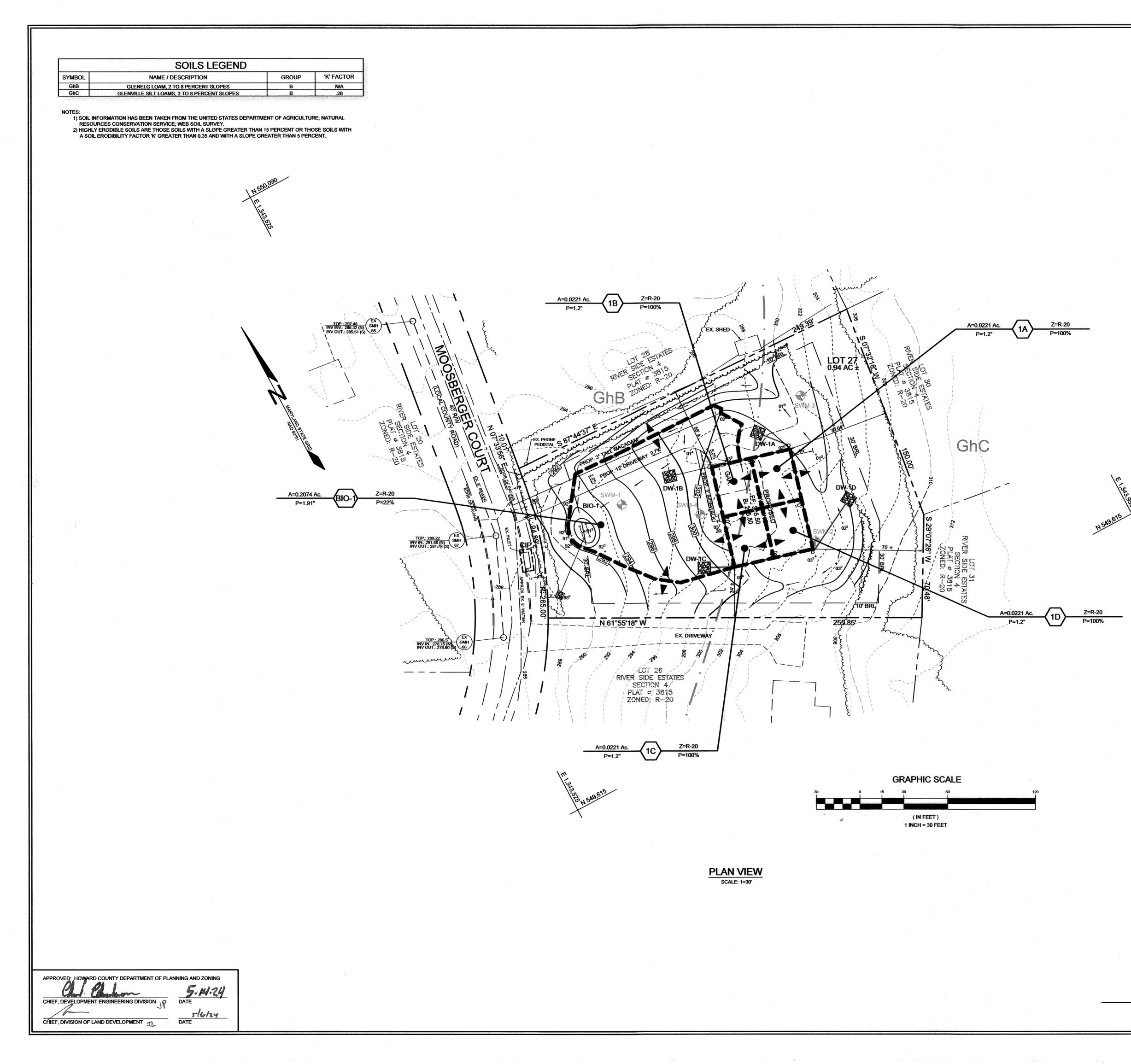




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		LEGEND	
		EXISTING GIS CONTOUR	382 382
		PROPOSED CONTOUR	<u>82</u>
		PROPOSED TREELINE	
		EXISTING ELECTRIC E -	——————————————————————————————————————
		EXISTING FENCE LINE	
		STABILIZED CONSTRUCTION ENTRANCE	
		SOIL BOUNDARY • • • •	uzanimatumana o aurostranananae A_1
		PROPOSED STORMWATER TEST BORING	
		CURB INLET PROTECTION	CIP
·		STANDARD SY	MBOL
D	ETAIL E- 9-3 CURB INL		
		$MAXIMUM DRAINAGE AREA = \frac{1}{4}$	NCRE
			4 IN
	6 FT MAX. SPAC	2 IN X 4 IN WEIR CING OF 34 TO 11/2 STONE ACCERS 34 TO 11/2 STONE	PROVED
		N x 4 IN ANCHORS, T MIN. LENGTH	
3,22			
X.			IN SPACER ANIZED WARE
NONNON		CLOT	
GEOTEXTII ¼ IN GALVANIZE		2 IN × 4 IN SPACER	
HARDWARE CLOTH		SECTION A-A	
CONST	RUCTION SPECIFICATIONS		
	NOMINAL 2 INCH × 4 INCH LUMBER NONWOVEN GEOTEXTILE AS SPECIFI		
		ERTICAL SPACERS (MAXIMUM 6 FEET APART).	
30 1	ACH A CONTINUOUS PIECE OF ½ INC NCHES AND A MINIMUM LENGTH OF , EXTENDING IT 2 FEET BEYOND TH	CH GALVANIZED HARDWARE CLOTH, WITH A MINIMUM WID 4 FEET LONGER THAN THE THROAT OPENING, TO THE 2 IROAT ON EACH SIDE.	TH OF 2x4
		OVEN GEOTEXTILE OF THE SAME DIMENSIONS AS THE HAI ID SECURELY ATTACH TO THE 2x4 WEIR.	RDWARE
LENG		LET THROAT AND NAIL TO 2x4 ANCHORS (MINIMUM 2 FE SS THE INLET TOP AND HOLD IN PLACE BY SANDBAGS O	
		I FOOT BEYOND THE ENDS OF THE THROAT OPENING.	
SPAN		GEOTEXTILE TO THE CONCRETE GUTTER AND FACE OF C HARDWARE CLOTH AND GEOTEXTILE WITH CLEAN $\frac{3}{4}$ to 1 Rete.	
9. AT N BYPA		TEMPORARY SANDBAG OR ASPHALT BERM TO PREVENT I	NLET
SEDI	MENT AFTER EACH RAIN EVENT TO	RES FREQUENT MAINTENANCE. REMOVE ACCUMULATED MAINTAIN FUNCTION AND AVOID PREMATURE CLOGGING. ELY DRAIN WITHIN 24 HOURS AFTER A STORM EVENT. IT	
CLOG		E ACCUMULATED SEDIMENT AND CLEAN, OR REPLACE	
	MARYLAND STANDARDS AND SPECI	FICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL	
	DEPARTMENT OF AGRICULTURE RESOURCES CONSERVATION SERVICE	2011 MARYLAND DEPARTMENT OF ENVIR WATER MANAGEMENT ADMINISTR	
	CONC	CEPTUAL GRADING & SEDI	MENT
		ND EROSION CONTROL PL	
		WOLFE PROPERTY	
		10707 MOOSBERGER COURT	
	TAX MAP 41 GRID 11 5TH ELECTION DISTRICT	T HOWA	PARCEL 420 RD COUNTY, MARYLAND
			DESIGN BY:PS
	M. THE		DRAWN BY:ZS
		16005 Frederick Road, 2nd Floor	CHECKED BY:PS SCALE:AS SHOWN
EVELOPER	A LOS CALL	Woodbine, Maryland 21797 Phone: 443.325.5076 Fax: 410.696.2022	DATE:
EARL WOLFE	SVONAL ENTITIE	Email: info@sillengineering.com Civil Engineering for Land Development	PROJECT #: SHEET #:
ERGER COURT ARYLAND 21044		EREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APP ER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 320	

OWNER/DEVELOPE LLOYD & PEARL WOLFE 10711 MOOSBERGER COURT COLUMBIA, MARYLAND 21044

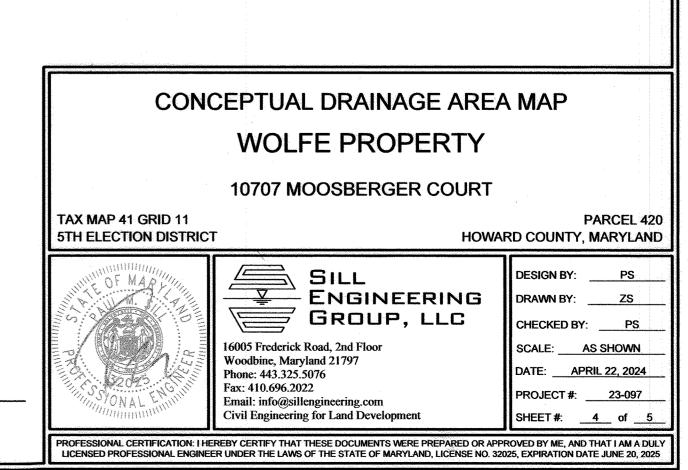


## LEGEND

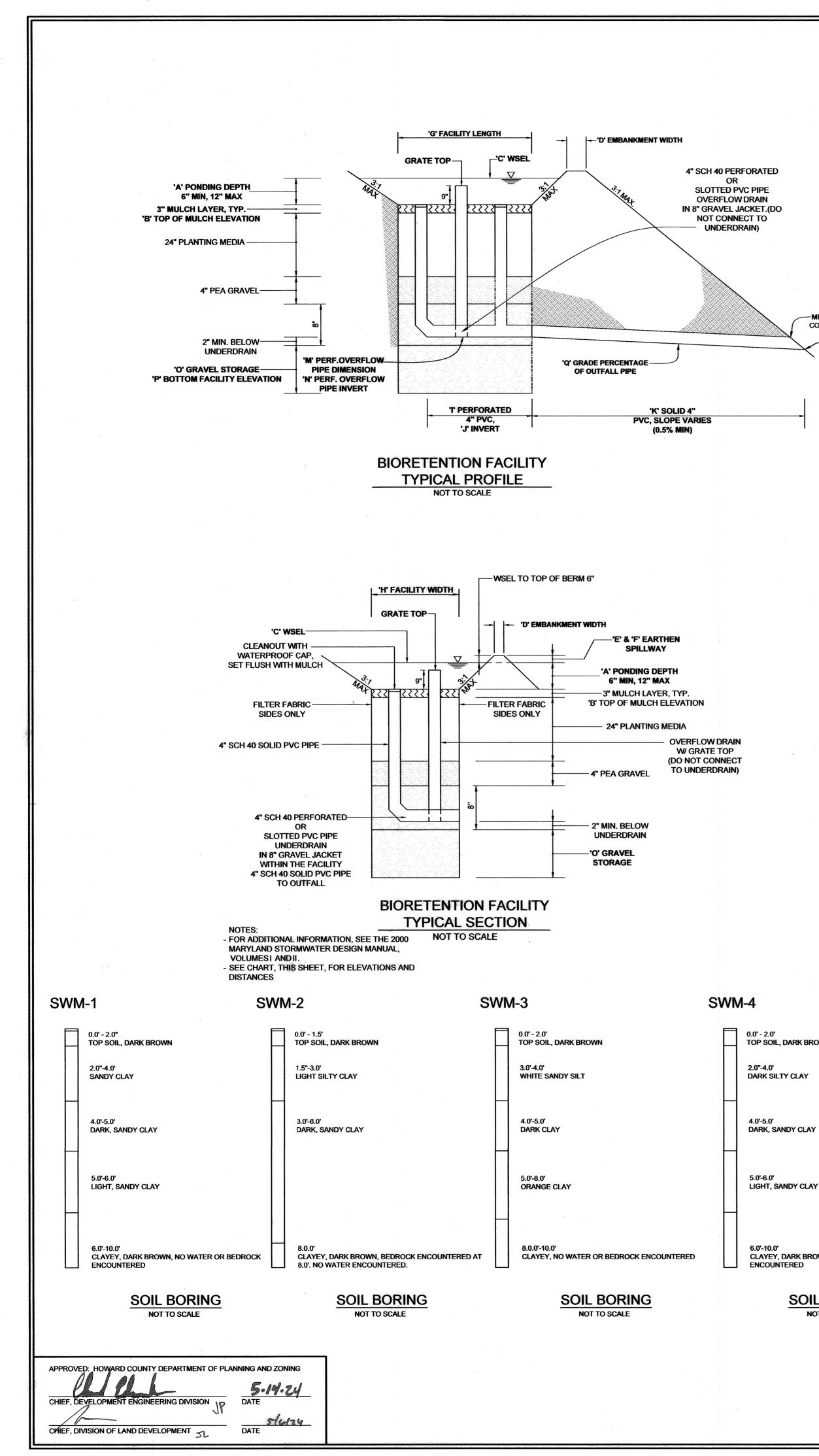
TEST BORING

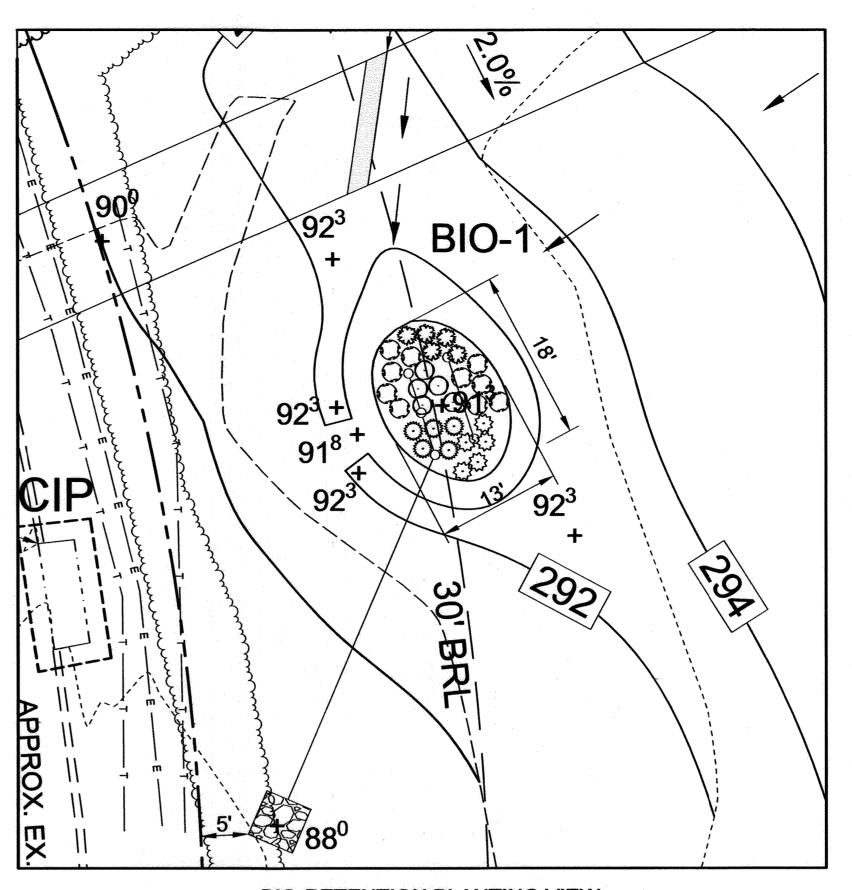
EXISTING GIS CONTOUR	
EXISTING FIELD RUN CONTOU	IF
PROPOSED CONTOUR	
EXISTING TREELINE	
PROPOSED TREELINE	
EXISTING TELECOM	
EXISTING ELECTRIC	
EXISTING FENCE LINE	
SOIL BOUNDARY	
PROPOSED STORMWATER	

----382



OWNER/DEVELOPER LLOYD & PEARL WOLFE 10711 MOOSBERGER COURT COLUMBIA, MARYLAND 21044





**BIO-RETENTION PLANTING VIEW** SCALE: 1=10'

BIORETENTION PLANT LIST						
KEY	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	NOTE	
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	5	ASCLEPIAS TUBEROSA	BUTTERFLY MILKWEED	1 GAL	1-2 FT. TALL	
1.M.2 	5	AGASTACHE FOENICICULUM	GIANT HYSSOP	1 GAL.	3-6 FT. TALL	
)	5	LIATRIS PYCNOSTACHYA	PRAIRIE BLAZINGSTAR	1 GAL.	3-6 FT. TALL	
in the second	5	LOBELIA SIPHILITICA	BLUE LOBELIA	1 GAL.	1-3 FT. TALL	
$\bigcirc$	10	ECHINCEA	PURPLE CONEFLOWER	1 GAL.	1-2 FT. TALL	

NOTE: IF THERE ARE DISCREPANCIES BETWEEN THE PLANT LIST AND THE PLAN, THE GREATER QUANTITY SHALL PREVAIL. WITH THE APPROVAL OF THE LANDSCAPE ARCHITECT, PLANTINGS MAY BE ADJUSTED ON SITE TO ALLOW FOR FINAL LOCATIONS OF UTILITIES AND OTHER SITE CONDITIONS.

NOTE: PLANT MATERIAL MUST COVER A MINIMUM 50% OF THE MULCH AREA AT MATURE GROWTH. **BIORETENTION = 185 S.F.** 

MATERIALS SPECIFICATIONS FOR MICRO-BIORETENTION, **RAIN GARDEN & LANDSCAPE INFILTRATION** 

	SPECIFICATION	SIZE	NOTES
PLANTINGS	SEE PLANT LIST THIS SHEET	N/A	PLANTINGS ARE SITE-SPECIFIC, SEE PLANT LIST THIS SHEET
PLANTING SOIL [2'-4' TO 4' DEEP]	LOAMY SAND (60% - 65%) & COMPOST (35%-40%) OR SANDY LOAM (30%), COARSE SAND (30%) & COMPOST (40%)	N/A	USDA SOIL TYPES LOAMY SAND OR SANDY LOAM; CLAY CONTENT < 5%
ORGANIC CONTENT	MIN. 10% BY DRY WEIGHT (ASTM-D-2974)		
	SHREDDED HARDWOOD		AGED 6 MONTHS, MINIMUM; NO PINE OR WOOD CHIPS
PEA GRAVEL DIAPHRAGM	PEA GRAVEL: ASTM-D-448	NO. 8 OR NO. 9 (1/8" TO 3/8")	
CURTAIN DRAIN (IF REQUIRED)	ORNAMENTAL STONE: WASHED COBBLES	STONE: 2" TO 5" 🚿	
GEOTEXTILE		N/A	PE TYPE 1 NONWOVEN
UNDERDRAIN GRAVEL	AASHTO M-43	NO. 57 OR NO. 6 AGGREGATE (3/8" TO 3/4")	
UNDERDRAIN PIPING	F 758, TYPE PS 28 OR AASHTO M-278	4" TO 6" RIGID SCHEDULE 40 PVC OR SDR35	SLOTTED OR PERFORATED PIPE, 3/8" PERF. @ 6" ON CENTER, 4 HOLES PER ROW; MINIMUM OF 3" OF GRAVEL OVER PIPES; NOT NECESSARY UNDERNEATH PIPES. PERFORATED PIPE SHALL BE WRAPPED WITH 1/4" GALVANIZED HARDWARE CLOTH.
POURED IN PLACE CONCRETE (IF REQUIRED)	MSHA MX NO.3; F'c= 3500 PSI @ 28 DAYS, NORMAL WEIGHT, AIR-ENTRAINED; REINFORCING TO MEET ASTM-615-60	N/A	ON-SITE TESTING OF POURED-IN-PLACE CONCRETE REQUIRED: 28 DAY STRENGTH AND SLUMP TEST; ALL CONCRETE DESIGN (CAST-IN-PLACE OR PRE-CAST) <i>NOT USING PREVOUSLY APPROVED STATE OR LOCAL</i> <i>STANDARDS</i> REQUIRES DESIGN DRAWINGS SEALED AND APPROVED BY A PROFESSIONAL STRUCTURAL ENGINEER LICENSED IN THE STATE OF MARYLAND- DESIGN TO INCLUDE MEETING ACI CODE 350.R/89; VERTICAL LOADING [H-10 OR H-20]; ALLOWABLE HORIZONTAL LOADING (BASED ON SOIL PRESSURES); AND ANALYSIS OF POTENTIAL CRACKING.
SAND	AASHTO-M-6 OR ASTM-C-33	0.02" TO 0.04"	SAND SUBSTITUTIONS SUCH AS DIABASE AND GRAYSTONE (AASHTO) #10 ARE NOT ACCEPTABLE. NO CALCIUM CARBONATED OR DOLOMITIC SAND SUBSTITUTIONS ARE ACCEPTABLE. NO "ROCK DUST" CAN BE USED FOR SAND.

-MITER PIPE END TO

CONFORM TO SLOPE

'L' OUTFALL INVER

TOP SOIL, DARK BROWN

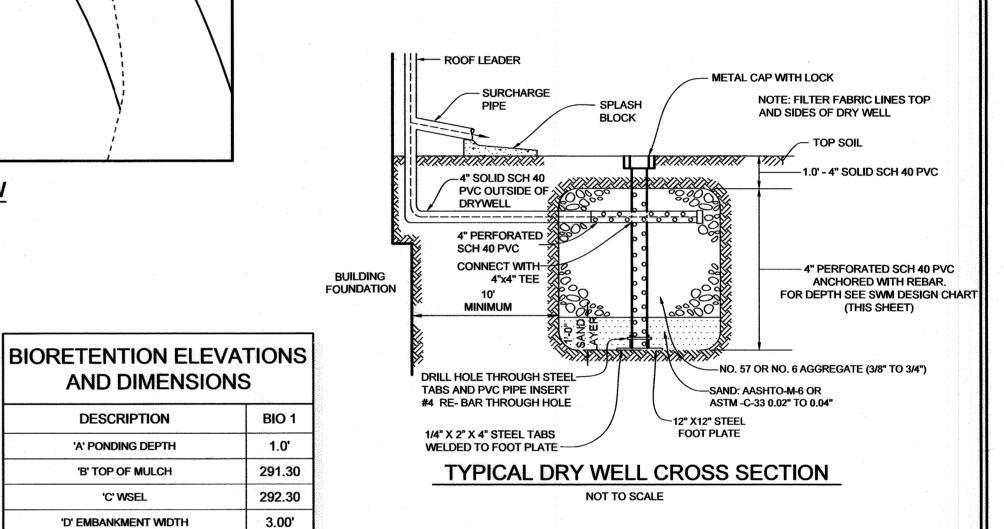
CLAYEY, DARK BROWN, NO WATER OR BEDROCK

SOIL BORING NOT TO SCALE

#### PRIVATELY OWNED AND MAINTAINED **MICRO-BIORETENTION FACILITIES (M-6)** 1. THE OWNER SHALL MAINTAIN THE PLANT MATERIAL, MULCH LAYER AND SOIL LAYER ANNUALLY.

**OPERATION AND MAINTENANCE SCHEDULE FOR** 

- MAINTENANCE OF MULCH AND SOIL IS LIMITED TO CORRECTING AREAS OF EROSION OR WASH OUT. ANY MULCH REPLACEMENT SHALL BE DONE IN THE SPRING. PLANT MATERIAL SHALL BE CHECKED FOR DISEASE AND INSECT INFESTATION AND MAINTENANCE WILL ADDRESS DEAD MATERIAL AND PRUNING. ACCEPTABLE REPLACEMENT PLANT MATERIAL IS LIMITED TO THE FOLLOWING: 2000 MARYLAND STORMWATER DESIGN MANUAL, VOLUME II, TABLE A.4.1 AND 2.
- THE OWNER SHALL PERFORM A PLANT INSPECTION IN THE SPRING AND IN THE FALL OF EACH YEAR DURING THE INSPECTION, THE OWNER SHALL REMOVE DEAD OR DISEASED VEGETATION CONSIDERED BEYOND TREATMENT, REPLACE DEAD PLANT MATERIAL WITH ACCEPTABLE REPLACEMENT PLANT MATERIAL, TREAT DISEASED TREES AND SHRUBS, AND REPLACE ALL DEFICIENT STAKES AND WIRES. THE OWNER SHALL INSPECT THE MULCH EACH SPRING. THE MULCH SHALL BE REPLACED EVERY TWO TO THREE YEARS. THE PREVIOUS MULCH LAYER SHALL BE REMOVED BEFORE THE NEW LAYER IS
- APPLIED. 4. THE OWNER SHALL CORRECT SOIL EROSION ON AN AS NEEDED BASIS, WITH A MINIMUM OF ONCE PER MONTH AND AFTER EACH HEAVY STORM.



#### **OPERATION AND MAINTENANCE SCHEDULE FOR PRIVATELY** OWNED AND MAINTAINED DRY WELLS (M-5)

- THE MONITORING WELLS AND STRUCTURES SHALL BE INSPECTED ON A QUARTERLY BASIS AND AFTER EVERY LARGE STORM EVENT.
- 2. WATER LEVELS AND SEDIMENT BUILD UP IN THE MONITORING WELLS SHALL BE RECORDED OVER A PERIOD OF SEVERAL DAYS TO INSURE TRENCH DRAINAGE.
- 3. A LOG BOOK SHALL BE MAINTAINED TO DETERMINE THE RATE AT WHICH THE FACILITY DRAINS. 4. WHEN THE FACILITY BECOMES CLOGGED SO THAT IT DOES NOT DRAIN DOWN WITHIN THE 72 HOURS
- TIME PERIOD. CORRECTIVE ACTION SHALL BE TAKEN. THE MAINTENANCE LOG BOOK SHALL BE AVAILABLE TO HOWARD COUNTY FOR INSPECTION TO INSURE
- COMPLIANCE WITH OPERATION AND MAINTENANCE CRITERIA. ONCE THE PERFORMANCE CHARACTERISTICS OF THE INFILTRATION FACILITY HAVE BEEN VERIFIED, THE MONITORING SCHEDULE CAN BE REDUCED TO AN ANNUAL BASIS UNLESS THE PERFORMANCE DATA INDICATES THAT A MORE FREQUENT SCHEDULE IS REQUIRED.

DRYWELL (M-5) DESIGN CHART						
LOT	DRYWELL #	VOLUME REQUIRED	VOLUME PROVIDED	WELL SIZE		
27	1A	91 CF	136 CF	8.0' X 8.5' X 5.0' DEEP		
20	1B	91 CF	136 CF	8.0' X 8.5' X 5.0' DEEP		
20	1C	91 CF	136 CF	8.0' X 8.5' X 5.0' DEEP		
20	1D	91 CF	136 CF	8.0' X 8.5' X 5.0' DEEP		

## **STORMWATER MANAGEMENT NOTES & DETAILS** WOLFE PROPERTY

10707 MOOSBERGER COURT

TAX MAP 41 GRID 11 **5TH ELECTION DISTRICT** 



**OWNER/DEVELOPER** LLOYD & PEARL WOLFE 10711 MOOSBERGER COURT COLUMBIA, MARYLAND 21044

AND DIMENSIONS

1.0'

4.50'

4.00'

13.00'

18.00'

9.00'

288.21

44.00'

288.00

9.00'

288.21

288.38 286.38

0.5%

'A' PONDING DEPTH

'B' TOP OF MULCH

'C' WSEL

'D' EMBANKMENT WIDTH

'E' SPILLWAY WIDTH

'F' SPILLWAY LENGTH

'G' FACILITY LENGTH (AVERAGE)

'H' FACILITY WIDTH (AVERAGE)

**'I' PERF. UNDERDRAIN PIPE DIMENSION** 

'J' UNDERDRAIN PIPE INVERT

'K' SOLID UNDERDRAIN DIMENSION

'L' OUTFALL INVERT

'M' PERF. OVERFLOW PIPE DIMENSION

'N' OVERFLOW PIPE INVERT

'O' TOP OF GRAVEL STORAGE

'P' BOTTOM ELEVATION OF FACILITY

'Q' GRADE % OF OUTFALL PIPE

PARCEL 420