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SOILS LEGEND

SYMBOL	NAME / DESCRIPTION	GROUP	'K' FACTOR
GbB	GLADSTONE LOAM, 3 TO 8 PERCENT SLOPES	A	0.28
MaD	MANOR LOAM, 15 TO 25 PERCENT SLOPES	B	0.28

NOTES:
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.

DRYWELL (M-5) SIZE CHART

LOT/ADDRESS	DRYWELL #	WELL SIZE
LOT 2 6317 GUILFORD ROAD	DW 1	10.0' X 10.0' X 5.0' DEEP
LOT 3 6313 GUILFORD ROAD	DW 2	10.0' X 9.0' X 5.0' DEEP
	DW 3	10.0' X 8.0' X 5.0' DEEP
	DW 4	10.0' X 7.5' X 5.0' DEEP
LOT 4 6309 GUILFORD ROAD	DW 5	10.0' X 8.0' X 5.0' DEEP
	DW 6	10.0' X 8.0' X 5.0' DEEP
	DW 7	9.5' X 7.5' X 5.0' DEEP
LOT 5 6305 GUILFORD ROAD	DW 8	10.0' X 8.0' X 5.0' DEEP
	DW 9	10.0' X 7.5' X 5.0' DEEP

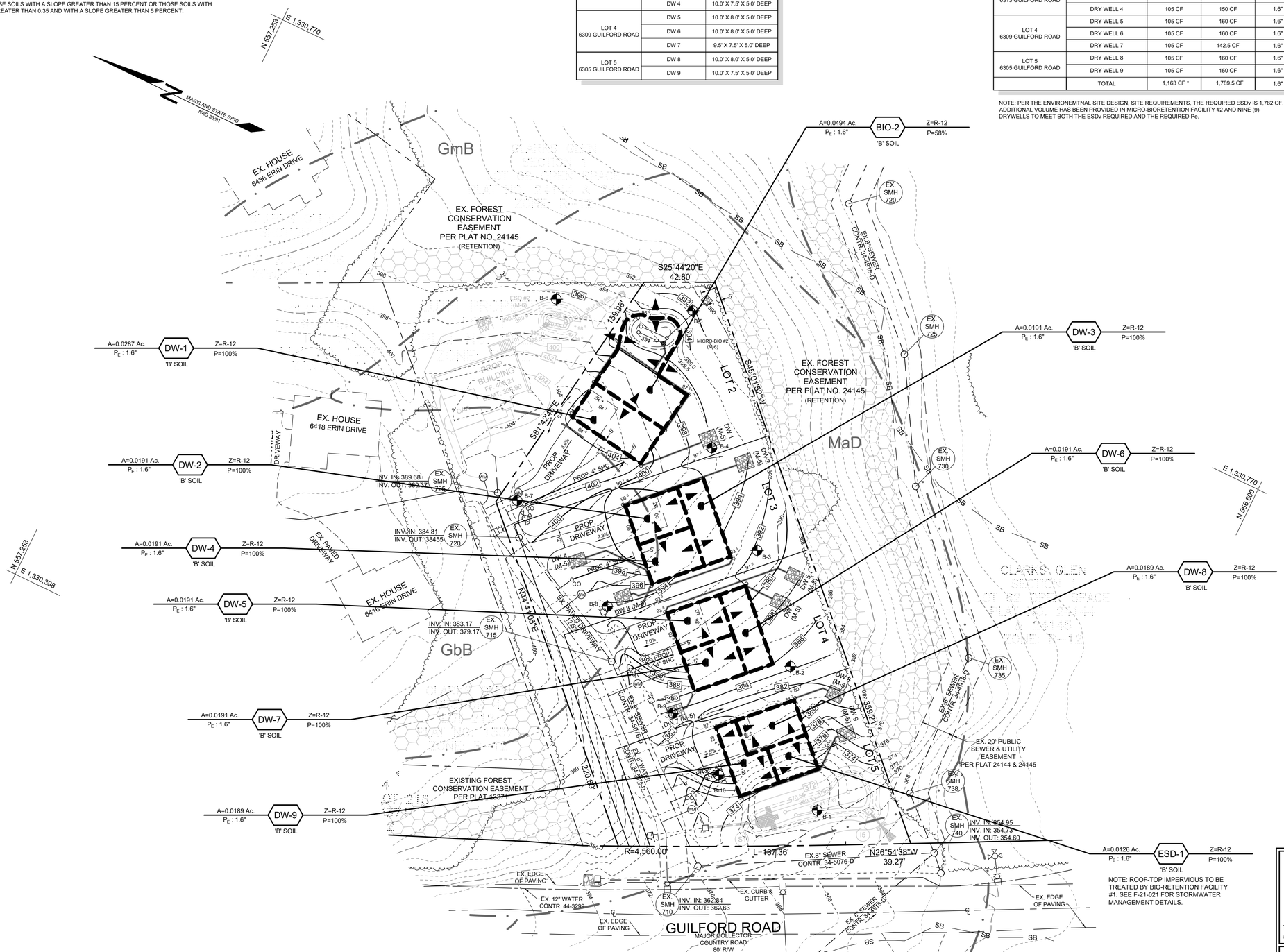
STORMWATER MANAGEMENT SUMMARY

LOT/ADDRESS	FACILITY	ESDv REQUIRED	ESDv PROVIDED	REQUIRED Pe	TREATED Pe
LOT 2 6317 GUILFORD ROAD	MICRO-BIORETENTION 2	166 CF	327 CF	1.6"	3.19"
	DRY WELL 1	157 CF	200 CF	1.6"	2.02"
LOT 3 6313 GUILFORD ROAD	DRY WELL 2	105 CF	180 CF	1.6"	2.73"
	DRY WELL 3	105 CF	160 CF	1.6"	2.42"
	DRY WELL 4	105 CF	150 CF	1.6"	2.27"
LOT 4 6309 GUILFORD ROAD	DRY WELL 5	105 CF	160 CF	1.6"	2.42"
	DRY WELL 6	105 CF	160 CF	1.6"	2.42"
	DRY WELL 7	105 CF	142.5 CF	1.6"	2.16"
LOT 5 6305 GUILFORD ROAD	DRY WELL 8	105 CF	160 CF	1.6"	2.42"
	DRY WELL 9	105 CF	150 CF	1.6"	2.27"
	TOTAL	1,163 CF *	1,789.5 CF	1.6"	2.35"

NOTE: PER THE ENVIRONEMTNAL SITE DESIGN, SITE REQUIREMENTS, THE REQUIRED ESDv IS 1,782 CF. ADDITIONAL VOLUME HAS BEEN PROVIDED IN MICRO-BIORETENTION FACILITY #2 AND NINE (9) DRYWELLS TO MEET BOTH THE ESDv REQUIRED AND THE REQUIRED Pe.

LEGEND

- EXISTING CONTOUR GIS — 382
- EXISTING CONTOUR FIELD RUN — 382
- PROPOSED CONTOUR — 382
- EXISTING TREELINE
- EXISTING CENTERLINE
- SOILS BOUNDARY
- EXISTING SUPER SILT FENCE — SSF
- EXISTING FOREST CONSERVATION EASEMENT
- EXISTING FIRE HYDRANT
- EXISTING WATER VALVE
- EXISTING WATER METER — WM
- PROPOSED SEWER CLEANOUT — CO
- EXISTING SEWER MANHOLE — EX. SMH 725
- SOIL BORINGS COMPLETED UNDER F-21-021 — B-1
- PROPOSED DRYWELL (M-5) AND ROOFLEADER — DW 1
- PROPOSED WATER HOUSE CONNECTION
- PROPOSED RANGE OF ADDRESS SIGN
- DRAINAGE DIVIDE



NOTE: ROOF-TOP IMPERVIOUS TO BE TREATED BY BIO-RETENTION FACILITY #1. SEE F-21-021 FOR STORMWATER MANAGEMENT DETAILS.

THE SOIL BORINGS SHOWN ON THIS PLAN WERE COMPLETED IN AUGUST OF 2018 UNDER F-21-021. THE RECORD OF SOIL EXPLORATION LOGS ARE INCLUDED IN THE STORMWATER MANAGEMENT REPORT FOR THIS PLAN, F-24-030.

ON LOT 1, THE STORMWATER MANAGEMENT FACILITY ESD #2, THE PROPOSED HOUSE AND ITS IMPROVEMENTS,SHALL BE CONSTRUCTED UNDER THE SDP-24-022 PLAN. THE BIO-RETENTION FACILITY ESD #1, SHOWN ON LOT 5 HAS BEEN BONDED AND WILL BE CONSTRUCTED UNDER THE APPROVED F-21-021 PLAN. THE LINEWORK PROVIDED ON THIS SHEET ARE FOR INFORMATIONAL PURPOSES. FOR ADDITIONAL STORMWATER MANAGEMENT INFORMATION PERTAINING TO ESD FACILITIES #1 AND 2, REFER TO F-21-021 AND SDP-24-022.

PLAN VIEW
SCALE: 1"=30'

GRAPHIC SCALE
30 0 15 30 60 120
(IN FEET)
1 INCH = 30 FEET

OWNER/DEVELOPER

LLU, LLC
12143 CLARKSVILLE PIKE
CLARKSVILLE, MARYLAND 21029
C/O RON BAQUOL
RLBDEVLLC2@GMAIL.COM
443-250-7272

STORMWATER MANAGEMENT DRAINAGE AREA MAP, NOTES, DETAILS & PLAN
LUTFI PROPERTY

LUTFI PROPERTY LOTS 2 THRU 5, A RESUBDIVISION OF NON-BUILDABLE BULK PARCEL 'A' AS SHOWN ON PLAT NUMBER 26221 LUTFI PROPERTY LOT 1 AND NON-BUILDABLE BULK PARCEL 'A'

TAX MAP 35 GRID 13 — PARCEL 56
5TH ELECTION DISTRICT — HOWARD COUNTY, MARYLAND

STATE OF MARYLAND — PAUL SILL — 22025 — PROFESSIONAL ENGINEER

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Woodbine, Maryland 21797
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Civil Engineering & Surveying for Land Development

DESIGN BY: PS
DRAWN BY: TB
CHECKED BY: PS
SCALE: AS SHOWN
DATE: JULY 3, 2024
PROJECT #: 23-065
SHEET #: 5 of 8

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

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

DocuSigned by: Child Edmundson — 7/26/2024
CHIEF, DEVELOPMENT ENGINEERING DIVISION — DATE

DocuSigned by: 7263F2E4EE414490... — 7/26/2024
CHIEF, DIVISION OF LAND DEVELOPMENT — DATE

NO.	DESCRIPTION	DATE

REVISIONS

F-24-030