



APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____ A/P _____

AGENCY REVIEW: _____ DATE _____

DO NOT WRITE ABOVE THIS LINE

I HEREBY APPLY FOR THE NECESSARY TESTING/EVALUATION PRIOR TO ISSUANCE OF SEWAGE DISPOSAL SYSTEM PERMIT(S) TO:

CHECK AS NEEDED:

- ☐ CONSTRUCT NEW SEPTIC SYSTEM(S)
- ☐ REPAIR/ADD TO AN EXISTING SEPTIC SYSTEM
- ☐ REPLACE AN EXISTING SEPTIC SYSTEM

CHECK AS NEEDED:

- ☐ NEW STRUCTURE(S)
- ☒ ADDITION TO AN EXISTING STRUCTURE
- ☐ REPLACE AN EXISTING STRUCTURE

CHECK ONE:

- ☐ CREATE NEW LOT(S)
- ☐ BUILD ON AN EXISTING LOT IN A SUBDIVISION
- ☐ BUILD ON AN EXISTING PARCEL OF RECORD

IS THE PROPERTY WITHIN 2500' OF ANY RESERVOIR?

- ☐ YES
- ☒ NO

THE TYPE OF STRUCTURE IS:

- ☐ RESIDENTIAL WITH 2 BR PROPOSED BEDROOMS IN THE COMPLETED STRUCTURE (NOTE **UNKNOWN** IF APPROPRIATE)
- ☐ COMMERCIAL (PROVIDE DETAIL OF NUMBERS AND TYPES OF EMPLOYEES/ CUSTOMERS ON ACCOMPANYING PLAN)
- ☐ INSTITUTIONAL/GOVERNMENT (PROVIDE DETAIL OF NUMBERS AND TYPES OF EMPLOYEES/USERS ON ACCOMPANYING PLAN)

PROPERTY OWNER(S) KATHERINE A. Wain

DAYTIME PHONE 443.469.8040 CELL 443.469.8040 FAX NONE

MAILING ADDRESS 11937 LEME KEND ROAD, FULTON, MARYLAND 20759
STREET CITY/TOWN STATE ZIP

APPLICANT MARK SCHAEFER

DAYTIME PHONE 301.370.0199 CELL 301.370.0199 FAX NONE

MAILING ADDRESS 208 E. RINGBROOK BLVD #208, MOUNT AERY, MARYLAND 21771
STREET CITY/TOWN STATE ZIP

APPLICANT'S ROLE: DEVELOPER BUILDER BUYER RELATIVE/FRIEND REALTOR ☒ CONSULTANT*

PROPERTY LOCATION

SUBDIVISION/PROPERTY NAME 11937 LEME KEND RD. / BETTER ACRES LOT NO. 13.192 A

PROPERTY ADDRESS 11937 LEME KEND RD FULTON, MD 20759
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 0046 GRID 0001 PARCEL(S) 0181 ~~PROPOSED~~ LOT SIZE 3.19 AC

AS APPLICANT, I UNDERSTAND THE FOLLOWING: THE SYSTEM INSTALLED SUBSEQUENT TO THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS APPLICATION IS COMPLETE WHEN ALL APPLICABLE FEES AND A SUITABLE SITE PLAN HAVE BEEN RECEIVED. I ACCEPT THE RESPONSIBILITY FOR COMPLIANCE WITH ALL M.O.S.H.A. AND "MISS UTILITY" REQUIREMENTS. APPROVAL IS BASED UPON SATISFACTORY REVIEW OF A PERC CERTIFICATION PLAN.

TEST RESULTS WILL BE MAILED TO APPLICANT.

Mark Schaefer
SIGNATURE OF APPLICANT

HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM
7178 COLUMBIA GATEWAY DRIVE COLUMBIA, MARYLAND 21046 (410) 313-2640 FAX (410) 313-2648
TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH

Eshenbaugh, Melanie

From: Eshenbaugh, Melanie
Sent: Wednesday, October 1, 2025 9:02 AM
To: marks@scmanage.com
Subject: FW: 11937 Lime Kiln Road perc test plan

Good morning Mark,

Please see the revision comments that were emailed to Rik yesterday. Is the email listed below still the correct email address for Rik? Thank you kindly!

Melanie Eshenbaugh
Bureau of Environmental Health
Howard County Health Dept.
8930 Stanford Blvd. Columbia, MD 21045
www.hchealth.org



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From: Eshenbaugh, Melanie
Sent: Tuesday, September 30, 2025 2:36 PM
To: 'Rik Stouffer' <rik@nttsurveyors.com>
Subject: 11937 Lime Kiln Road perc test plan

Good afternoon,

I have reviewed the perc test plan received on 9/16/25 and have the following comments:

1. Show the septic areas on the adjacent lots
2. Add appropriate legend items (e.g wells, well box, SDA, soil units, etc.), necessary on PC
3. Suggest using darker color for proposed SDA
4. Change language in notes to state sewage disposal area (SDA)
5. MDE variance may be possible depending on the reestablished SDA
6. Could shift proposal up closer to well arc and closer to property line to avoid a variance
7. What type of addition is being proposed (assumed to be nonliving space)? Clarification will need to be in purpose statement
8. Will need previously approved SDA area shown on PC

Thank you kindly!

Melanie Eshenbaugh

Bureau of Environmental Health
Howard County Health Dept.
8930 Stanford Blvd. Columbia, MD 21045
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11937 Lime Kila Road

N
↑

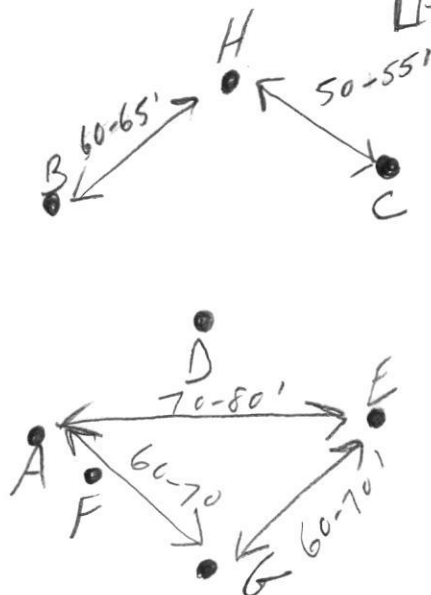
NTS

house

drive

fence

Sked



A

 DB Loom
 Red, SBK
 to platy
 Dense Siderall
 SiL, MFI

 4'
 Ry, Y, Tan
 platy, compact
 SiL, MFI,
 Mangrove
 deposits
 > 50% Rx
 @ 7'

F

 Same
 as
 A
 > 50%
 Rx @
 6

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H	
11/25/25	D	5/12	9:40	9:42	9:46	4	P	
11/25/25	C	5/12	9:54	9:56	9:59	3	P	
11/25/25	E	4/12	10:05	10:08	10:14	6	P	
"	"	B	4/12	10:30	10:32	10:35	2 1/2	P
"	"	A	10'	observation		—	F	
"	"	G	4.5/12	11:06	11:09	11:13	4	P
"	"	H	5/12	11:59	12:01	12:05	4	P
"	"	F	9'	observation		—	F	

REMARKS

Plantings on site, avoided trees to the best of our ability (new)

SANITARIAN

RSP/MRE

BACKHOE

Mike Fogles

OTHERS

M. Kshenbauff

TEST HOLES USED IN SDA

AVG. PERC TIME

SQ. FT/BR

TRENCH WIDTH

INLET DEPTH

MAX. BOT DEPTH

EFFECTIVE SW

 1'
 D
 DB Loom
 SBK, small
 pebbles

 2'
 YR SBK
 MFI, CL

 YB, YR
 platy, MFR
 Fine Mica
 Loom

 3'
 YB, platy
 MVFR
 FSL/SiL
 Many fine
 mica to
 Sap M. R @ 10'

 12'
 Same
 as
 D

E

DB Loom

 1'
 YB, SB, SBK
 MVFI, Dense
 Loom/CL

 2'
 YB, FSBK
 platy, MFI
 Loom

 3'
 PB, YB
 Sap color mix
 platy, fine
 mica, FSL
 SiL Many
 fine mica
 Some clay
 pockets

12'

Maura J. Rossman, M.D., Health Officer

Date: December 4, 2025

To: Rik Stouffer

Re: ***Percolation Test Report***
11937 Lime Kiln Road
Fulton, MD 20759

Percolation tests were conducted at 11937 Lime Kiln Road (Tax Map 0046, Parcel 181) on November 25th, 2025. The purpose of conducting percolation tests was to establish an adequate Sewage Disposal Area (SDA) for the property. Tests and profile descriptions were documented for staked locations A-E and perc holes F-H were added in the field. All but two (A & F) perc holes were successful, and perc testing was carried out at test depths ranging from 4' to 5'. Perc holes B-D, G & H all achieved a PASS with a 1.2 (2-minutes) rate, and hole E had a .8 rate (6 minutes). Water table was not observed in any PASSING perc holes. Perc holes A & F were labeled a VISUAL FAIL due to greater than 50% rock at 6-7' depths. The soil units that were encountered on this site include Glenelg loam (GgB) and Manor loam (MaC) ranging from 3-15% slopes. Field data collected is shown on the Percolation Test Worksheet enclosed with this letter.

All percolation tests conducted were standard tests, measuring rate of fall for a pre-wet period followed by measurement and recordation of the time required for the water level to drop 1 inch. Locations that may be included in the sewage disposal area are represented by test pits having satisfactory soil conditions. The SDA must be large enough to accommodate 3 systems (initial and 2 replacements). There is no guarantee that a suitable SDA can be established based on passing perc holes alone. The next step in the process is to have an engineer/consultant submit a finalized percolation certification plan to the Health Dept. for review and signature.

Should you have any questions regarding this evaluation, please contact me. I may be reached at (410) 313-7324 or by email Meshenbaugh@howardcountymd.gov

Respectfully,
Melanie Eshenbaugh

Melanie Eshenbaugh
Bureau of Environmental Health/Well & Septic Program

Eshenbaugh, Melanie

From: Eshenbaugh, Melanie
Sent: Monday, March 2, 2026 10:33 AM
To: Rik Stouffer
Subject: 11937 Lime Kiln Road PC

Good morning Rik,

Please see the following revision comments for the 1st PC submittal for 11937 Lime Kiln received on 2/18/26 and let me know if you have any questions:

1. Revise note #3 to state private "sewage disposal area" as opposed to private "sewage area"
2. Clarification needed on note #4 regarding located well/septic by visual inspection only
3. Please show old per hole locations for the SDA to be abandoned
4. Show well as a different legend symbol since this is identical to the cleanout legend item
5. Suggest making perc hole font a little larger to easily distinguish passing perc holes from failed holes
6. Show proposed SDA as hatched inside border area
7. Adjust label for septic tank to avoid overlapping with walkway
8. Remove the word "designates" in front of all legend items
9. The well & septic for 11938 Lime Kiln Rd should be shown

Melanie Eshenbaugh
Bureau of Environmental Health
Howard County Health Dept.
8930 Stanford Blvd. Columbia, MD 21045
www.hchealth.org



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11937 Lime Kiln Road PC comments

Revise note #3 to state private “sewage disposal area” as opposed to private “sewage area”

Clarification needed on note #4 regarding located well/septic by visual inspection only

Please show old per hole locations for the SDA to be abandoned

Show well as a different legend symbol since this is identical to the cleanout legend item

Suggest making perc hole font a little larger to easily distinguish passing perc holes from failed holes

Show proposed SDA as hatched inside border area

Adjust label for septic tank to avoid overlapping with walkway

Remove the word “designates” in front of all legend items

The well & septic for 11938 Lime Kiln Rd should be shown

Eschenbaugh, Melanie

From: Rik Stouffer <rik@ntsurveyors.com>
Sent: Monday, March 9, 2026 3:09 PM
To: Eschenbaugh, Melanie
Subject: RE: 11937 Lime Kiln Road PC
Attachments: MISC 12088 D 3-4-26 Model (1).pdf

WARNING!!!

This email originated from someone outside of Howard County
DO NOT CLICK LINKS OR OPEN ATTACHMENTS
unless you recognize the sender and know for sure that the content is safe

Melanie,
Attached is a copy of the revised Perc Certification Plan for 11937 Lime Kiln Road. I will drop off the revised plan in the next few days.

I wanted to respond to your comments:

1. Revise note #3 to state private "sewage disposal area" as opposed to private "sewage area" - Revised per comment
2. Clarification needed on note #4 regarding located well/septic by visual inspection only - Revised note to explain no subsurface location services were used.
3. Please show old per hole locations for the SDA to be abandoned - Added Note 11 explaining the lack of old perc hole information on plat, in health records or evidence on site.
4. Show well as a different legend symbol since this is identical to the cleanout legend item - Changed well symbol.
5. Suggest making perc hole font a little larger to easily distinguish passing perc holes from failed holes - Increased the size of the Perc holes symbol.
6. Show proposed SDA as hatched inside border area - Added hatching in SDA
7. Adjust label for septic tank to avoid overlapping with walkway - Moved label
8. Remove the word "designates" in front of all legend items - Removed "designates" from legend
9. The well & septic for 11938 Lime Kiln Rd should be shown - Added the well however it is over 100' from our property line and upgradient. No health records were found for this property.

Thanks,

Rik Stouffer
Professional Land Surveyor 21260
NTT Associates, Inc.
16205 Old Frederick Road
Mt. Airy, Maryland 21771
Phone: 410-442-2031
Fax: 410-442-1315
Website: <http://www.ntsurveyors.com>

From: Eschenbaugh, Melanie <MEschenbaugh@howardcountymd.gov>
Sent: Monday, March 02, 2026 10:33 AM

Eshenbaugh, Melanie

From: Eshenbaugh, Melanie
Sent: Tuesday, October 14, 2025 2:16 PM
To: Rik Stouffer
Subject: RE: 11937 Lime Kiln Road perc test plan

Good afternoon Rik,

It may be possible with how the percolation testing goes & established SDA we could be dealing with a downgrade well or two. This regulation is COMAR 26.04.02.05b(2) with MDE approval. I hope this answers your question and you have a wonderful day.

Melanie Eshenbaugh
Bureau of Environmental Health
Howard County Health Dept.
8930 Stanford Blvd. Columbia, MD 21045
www.hchealth.org



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From: Rik Stouffer <rik@nttsurveyors.com>
Sent: Friday, October 10, 2025 4:20 PM
To: Eshenbaugh, Melanie <MEshenbaugh@howardcountymd.gov>
Cc: Mark Schaefer <marks@scmanage.com>
Subject: RE: 11937 Lime Kiln Road perc test plan

WARNING!!!

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Melanie,
Thank you for your comments. I have a quick question, what regulation do they need a variance from?

Thanks,

Rik Stouffer
Professional Land Surveyor 21260

NTT Associates, Inc.
16205 Old Frederick Road
Mt. Airy, Maryland 21771
Phone: 410-442-2031
Fax: 410-442-1315
Website: <http://www.nttsurveyors.com>

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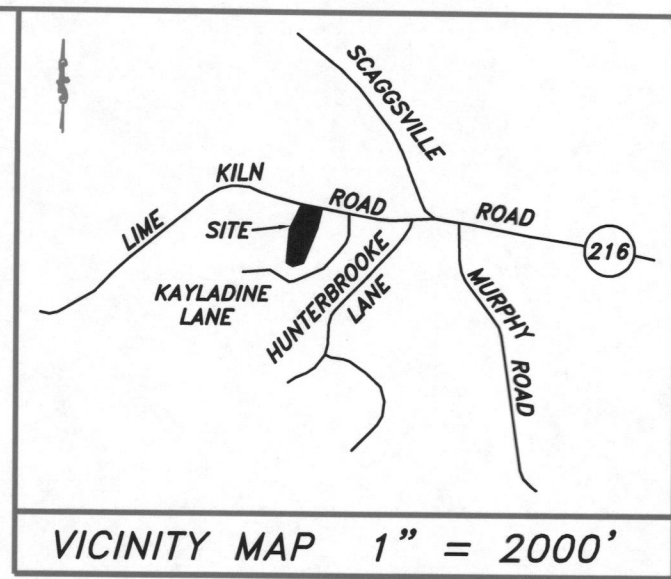
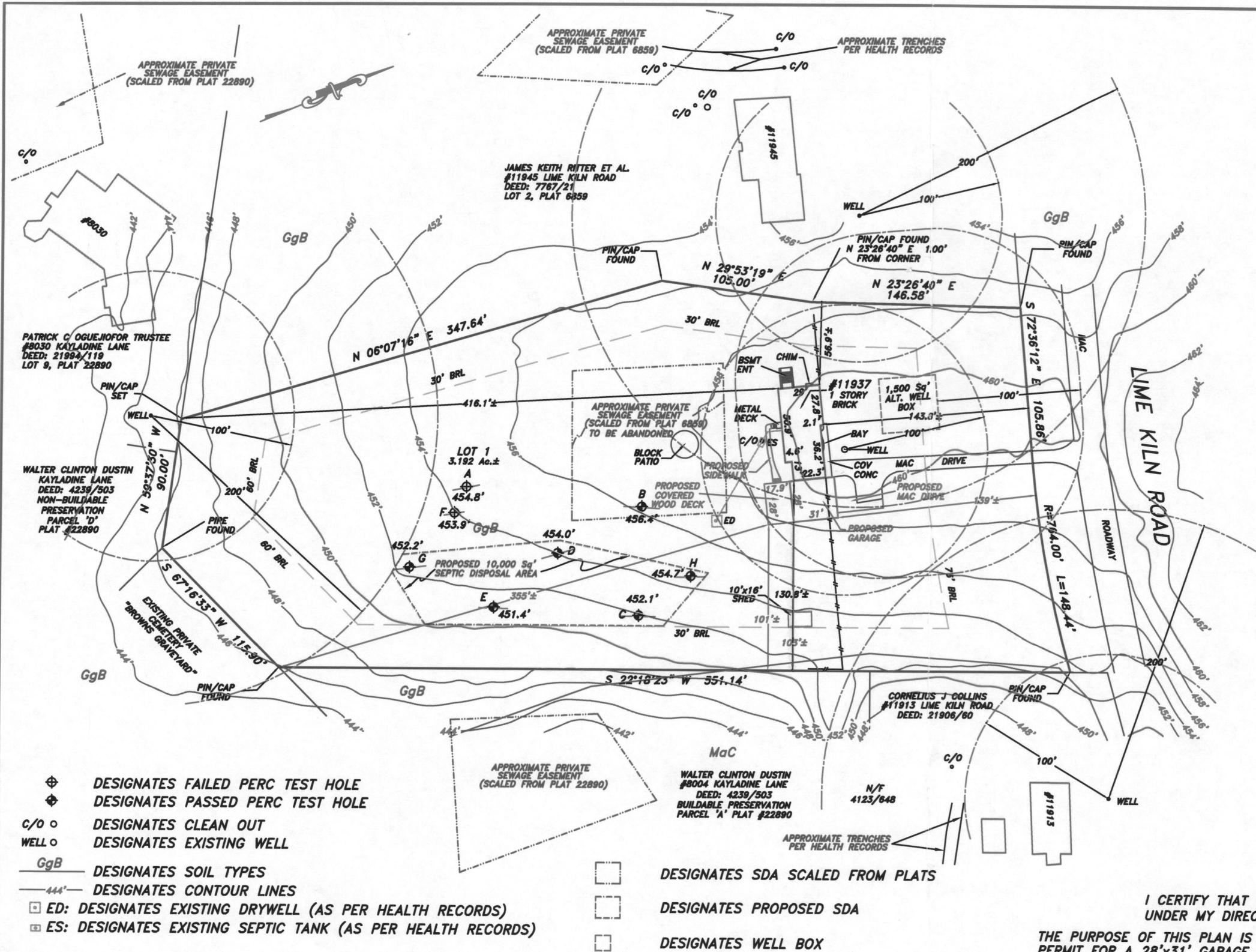
Thank you kindly!

Melanie Eshenbaugh
Bureau of Environmental Health
Howard County Health Dept.
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GENERAL NOTES:

- THIS AREA DESIGNATES A PRIVATE SEWAGE DISPOSAL AREA OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED. THIS SEWAGE DISPOSAL AREA SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE AREA. RECORDATION OF A REVISED SEWAGE AREA SHALL NOT BE NECESSARY.
- SUBJECT PROPERTY WAS CREATED ON AUGUST 15, 1986 BY RECORD PLAT NUMBER 6859.
- ANY CHANGES TO A PRIVATE SEWAGE AREA SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
- ALL EXISTING WELLS, SEPTIC SYSTEMS AND SEWAGE DISPOSAL AREAS WITHIN 100' OF THE PROPERTY BOUNDARIES LOCATED BY VISUAL INSPECTION ONLY.
- ALL EXISTING AND PROPOSED WELLS WITHIN 200' DOWN-GRADIENT OF EXISTING OR PROPOSED SEPTIC SYSTEMS AND SEWAGE DISPOSAL AREA LOCATED BY VISUAL INSPECTION ONLY.
- THE PROPERTY IS LOCATED WITHIN OR ADJACENT TO SOIL TYPES GgB (GLENELG LOAM 3 TO 8%) MaC (MANOR LOAM 8 TO 15%) AS PER HOWARD COUNTY, MARYLAND GIS DATA.
- THE ELEVATIONS AND 2' CONTOURS SHOWN HEREON WERE DERIVED FROM HOWARD COUNTY, MARYLAND GIS INFORMATION AND WERE FIELD VERIFIED BY NTT ASSOCIATES, INC. IN AUGUST, 2025.
- THE SUBJECT PROPERTY IS ZONED RR-DEO.
- THE BUILDINGS ON NEIGHBORING PROPERTIES SHOWN HEREON WERE DERIVED FROM HOWARD COUNTY, MARYLAND GIS INFORMATION.
- THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT.

- ⊕ DESIGNATES FAILED PERC TEST HOLE
- ⊙ DESIGNATES PASSED PERC TEST HOLE
- C/O ⊙ DESIGNATES CLEAN OUT
- WELL ⊙ DESIGNATES EXISTING WELL
- GgB DESIGNATES SOIL TYPES
- 444' DESIGNATES CONTOUR LINES
- ED: DESIGNATES EXISTING DRYWELL (AS PER HEALTH RECORDS)
- ES: DESIGNATES EXISTING SEPTIC TANK (AS PER HEALTH RECORDS)

- DESIGNATES SDA SCALED FROM PLATS
- DESIGNATES PROPOSED SDA
- DESIGNATES WELL BOX

I CERTIFY THAT THE INFORMATION SHOWN HEREIN IS BASED ON FIELD WORK PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION, AND IS CORRECT, TO THE BEST OF MY KNOWLEDGE AND BELIEF.

THE PURPOSE OF THIS PLAN IS TO ESTABLISH A 10,000 Sq' PRIVATE SEWAGE DISPOSAL AREA TO OBTAIN A BUILDING PERMIT FOR A 28'x31' GARAGE ADDITION (NON LIVING SPACE), COVERED WOOD DECK, SIDEWALK AND MACADAM DRIVE.

HOWARD COUNTY, MARYLAND
HEALTH DEPARTMENT

APPROVED FOR PRIVATE WATER AND
PRIVATE SEWERAGE SYSTEMS.

HEALTH OFFICER DATE

OWNER

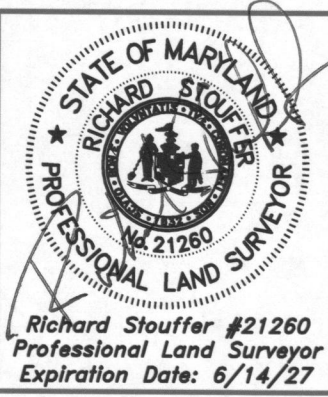
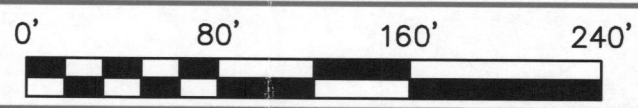
KATHERINE A. WAH
11937 LIME KILN ROAD
FULTON, MARYLAND 20759
Phone: (443) 469-8040

DEVELOPER

SCHAEFER CONSTRUCTION
208 EAST RIDGEVILLE BLVD., STE 202
MT. AIRY, MARYLAND 21771
Phone: (301) 370-0199

The purpose of this drawing is to establish a 10,000 Square-foot Septic Reserve Area for the property shown hereon being known as: #11937 LIME KILN ROAD as shown as LOT 1 on the plat entitled "RITTER ACRES" recorded among the Land Records of Howard County, Maryland as Plat Number 6859 to obtain a Building Permit.

This is to certify that I either personally prepared or was in responsible charge over the preparation of this drawing and the surveying work reflected in it, all set forth in Regulation .12 of Chapter 09.13.06 of the Code of Maryland Annotated Regulations.



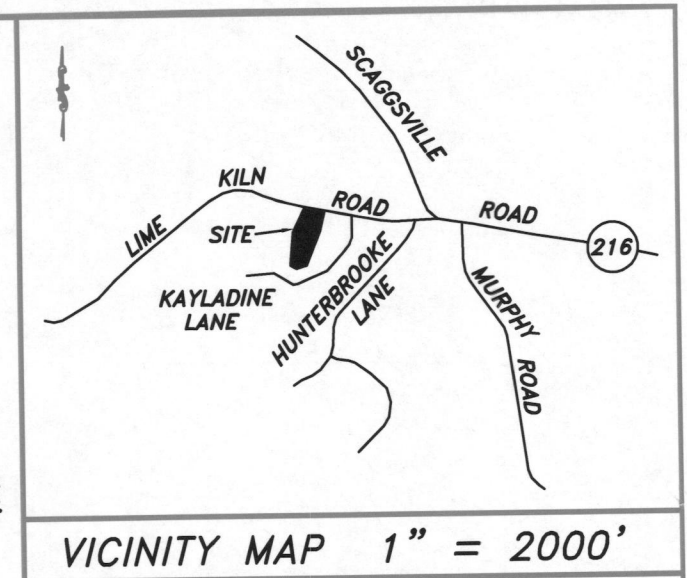
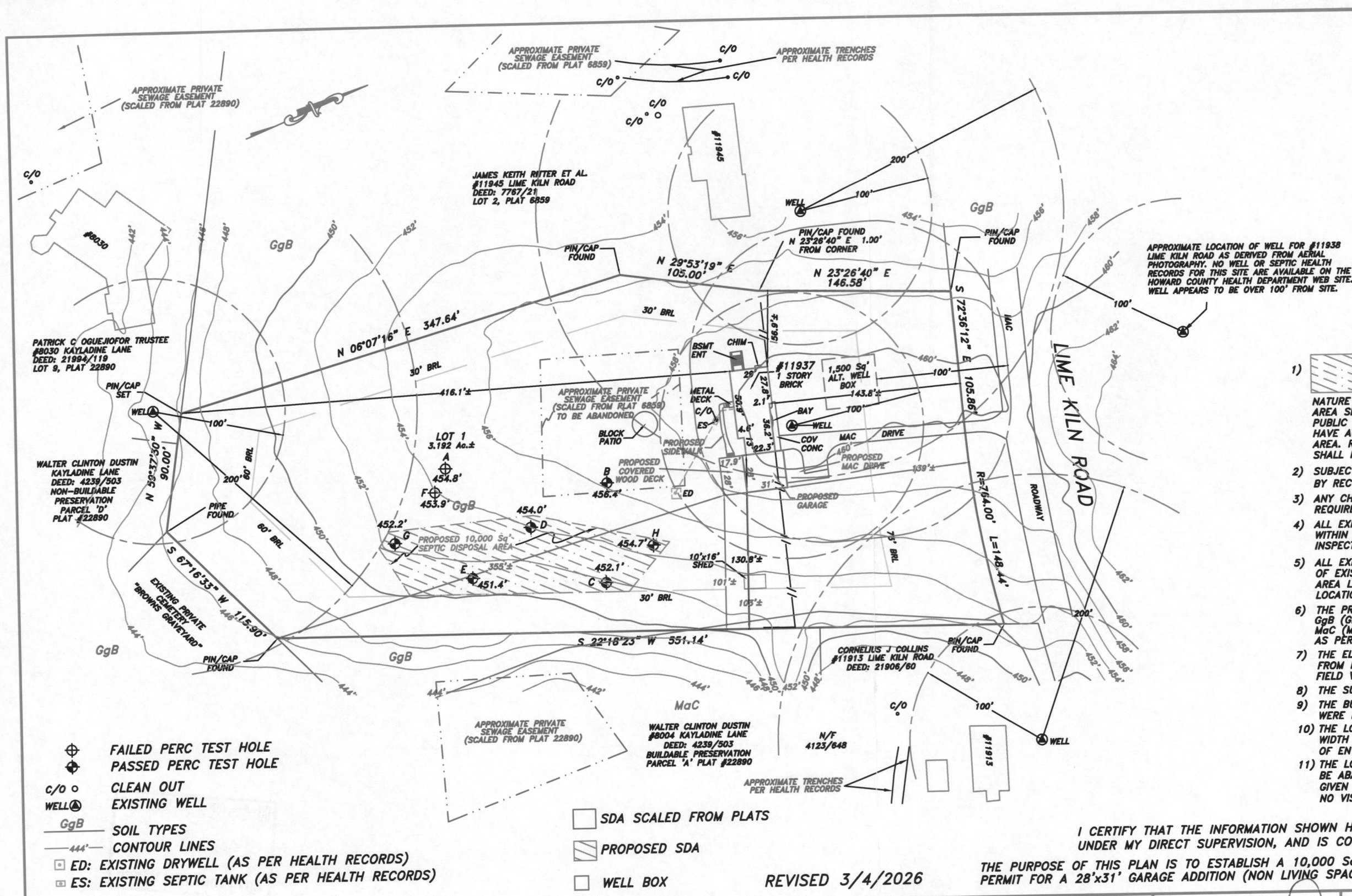
PERCOLATION CERTIFICATION PLAN

11937 LIME KILN ROAD
5th ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

NTT Associates, Inc.

16205 Old Frederick Rd.
Mt. Airy, Maryland 21771
Phone: (410) 442-2031
Fax: (410) 442-1315
www.nttsurveyors.com

Scale: 1" = 80'
Date: 12/1/2025
Field By: SCK RMS
Drawn By: SCK
File No.: MISC 12088 D
Page No.: 1 of 1



- GENERAL NOTES:**
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 - THE LOCATION OF THE OLD PERC HOLES FOR THE EXISTING SDA TO BE ABANDONED COULD NOT BE DETERMINED DUE TO LACK OF INFORMATION GIVEN ON PLAT 6859 AND HEALTH DEPARTMENT RECORDS, AND NO VISIBLE EVIDENCE AT THE SITE.

I CERTIFY THAT THE INFORMATION SHOWN HEREIN IS BASED ON FIELD WORK PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION, AND IS CORRECT, TO THE BEST OF MY KNOWLEDGE AND BELIEF.

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REVISED 3/4/2026

HOWARD COUNTY, MARYLAND HEALTH DEPARTMENT APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS. HEALTH OFFICER: <i>[Signature]</i> DATE: 3/30/26	OWNER KATHERINE A. WAH 11937 LIME KILN ROAD FULTON, MARYLAND 20759 Phone: (443) 469-8040 DEVELOPER SCHAEFER CONSTRUCTION 208 EAST RIDGEVILLE BLVD., STE 202 MT. AIRY, MARYLAND 21771 Phone: (301) 370-0199	The purpose of this drawing is to establish a 10,000 Square-foot Septic Reserve Area for the property shown hereon being known as: #11937 LIME KILN ROAD as shown as LOT 1 on the plat entitled "RITTER ACRES" recorded among the Land Records of Howard County, Maryland as Plat Number 6859 to obtain a Building Permit. This is to certify that I either personally prepared or was in responsible charge over the preparation of this drawing and the surveying work reflected in it, all set forth in Regulation .12 of Chapter 09.13.06 of the Code of Maryland Annotated Regulations. 0' 80' 160' 240'	STATE OF MARYLAND PROFESSIONAL LAND SURVEYOR RICHARD S. STOUTER No. 21260 Richard Stoutter #21260 Professional Land Surveyor Expiration Date: 6/14/27	PERCOLATION CERTIFICATION PLAN 11937 LIME KILN ROAD 5th ELECTION DISTRICT HOWARD COUNTY, MARYLAND NTT Associates, Inc. 16205 Old Frederick Rd. Mt. Airy, Maryland 21771 Phone: (410) 442-2031 Fax: (410) 442-1315 www.nttsurveyors.com Scale: 1" = 80' Date: 12/1/2025 Field By: SCK RMS Drawn By: SCK File No.: MISC 12088 D Page No.: 1 of 1
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