



Bureau of Environmental Health
8930 Stanford Blvd | Columbia, MD 21045
410.313.2640 - Voice/Relay
410.313.2648 - Fax
1.866.313.6300 - Toll Free

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

APPLICATION
FOR PERCOLATION TESTING AND SITE EVALUATION

PROPERTY LOCATION

SUBDIVISION/PROPERTY NAME 13983 TRIADELPHIA MILL RD
PROPERTY ADDRESS 13983 TRIADELPHIA MILL RD DAYTON MD 21036
TAX ACCOUNT # TAX MAP 27 GRID 24 PARCEL 13 LOT NO. LOT SIZE (ACRES) 4.34
ZONING CATEGORY RR-DEDTIER

PROPERTY OWNER(S) ROBIN L. MCCLAVIE
DAYTIME PHONE 410-900-3600 CELL EMAIL
MAILING ADDRESS 13983 TRIADELPHIA MILL RD. DAYTON MD 21036

APPLICANT MILDENBERG, BOEMER & ASSOC. RELATIONSHIP TO OWNER: ENGINEER
DAYTIME PHONE 410-947-0294 CELL EMAIL
MAILING ADDRESS 8318 FORREST ST. SUITE 300 ELLICOTT CITY MD 21043

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

PROPERTY:
SUBDIVISION: TOTAL NUMBER OF BUILDABLE LOTS ON PLAT:
SUBDIVISION CLASSIFICATION (PER DEPT. OF PLANNING AND ZONING)
CONSTRUCT NEW OSDS ON UNDEVELOPED LOT
X UPGRADE EXISTING OSDS FOR BUILDING PERMIT BUILDING PERMIT NUMBER: B-24004813
REPAIR OR REPLACE FAILING OSDS
BUILDING:
RESIDENTIAL WITH 3 EXISTING OR PROPOSED BEDROOMS IN THE COMPLETED STRUCTURE
COMMERCIAL (PROVIDE DETAIL OF TYPE OF USE/NUMBERS OF EMPLOYEES/CUSTOMERS ON ACCOMPANYING PLAN)
IS THE PROPERTY WITHIN 2500 FEET OF ANY RESERVOIR?
X YES
NO

AS APPLICANT, I UNDERSTAND THE FOLLOWING:

- THIS APPLICATION IS VALID FOR TWO(2) YEARS FROM DATE OF FEE PAYMENT AND APPROVAL IS BASED UPON HEALTH OFFICER SIGNATURE OF A PERC CERTIFICATION PLAN PRIOR TO EXPIRATION OF THIS PERMIT.
THE APPLICATION FEE IS NON-REFUNDABLE
THIS APPLICATION MUST BE ACCOMPANIED BY ALL APPLICABLE FEES AND A SUITABLE SITE PLAN IN ORDER TO BE PROCESSED
THIS IS A PUBLIC DOCUMENT

I declare and affirm that to the best of my knowledge, the information contained herein is correct. I declare that I am the owner of the property or duly authorized to make this application on behalf of the owner. I agree to comply with all applicable state and county regulations.
By signature of this application, I hereby grant Howard County Health Department officials the right to enter onto the property for the purpose of inspecting the property as directly related to the requested permit/service.
SIGNATURE OF APPLICANT DATE 3.24.2025

JW 7/17/2024

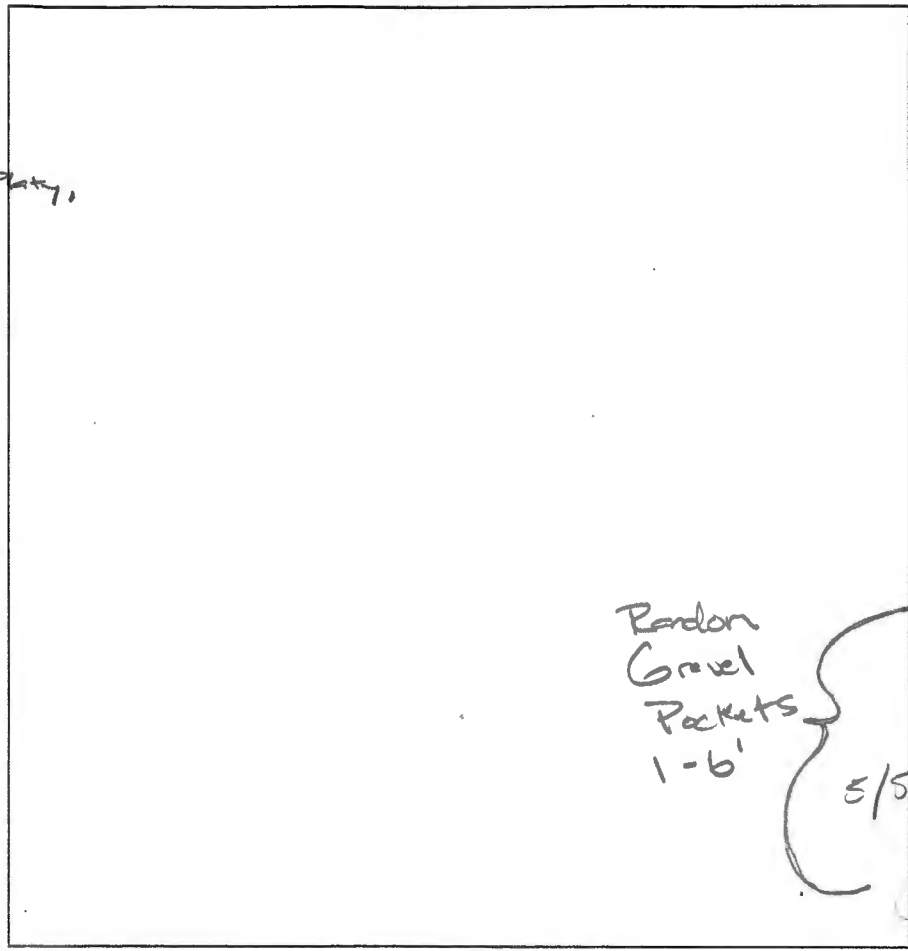
A/P

B-5
 1' DB, L
 SB, FSBK/MPlaty,
 dense, CL
 3' YB, MPlaty,
 SiCL, less
 dense
 4.5' YB, Platy,
 SiL/Si, soft
 10-20 Rx
 12'

B-4
 30-40%
 Rx
 Channery
 Flat Sandstone
 3'

750%
 Rx
 Channery
 Flat Sandstone
 HB
 7'

B-1
 DB, L
 40-50% cobbie
 YB, FSBK/MPlaty,
 dense, CL,
 40-50% Rx
 Cobble
 3' YB, Thin Platy,
 Less dense,
 SiCL, <10% Rx
 4.5' YB, Platy,
 SiL/Si, soft,
 <10% Rx
 12'



Random
 Gravel
 Pockets
 1-6'

5/5.5'

B-6
 40-50%
 Rx
 Channery
 Flat Sandstone
 4' HB

B-7
 0.5' DB, L
 YR, FSBK/Thin
 Platy,
 CL, very dense
 YR, Thin Platy,
 SiCL, dense
 7' YB, Thin Platy
 SiL/Si, H
 12'

(note
 1.2-0.8)

B-8
 1' DB, L
 Red, Thin
 CL
 4' Sandy/Silt
 Loam,
 Fine Mica,
 Soft
 14'

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
4/23/20	B-5	5.5 12	10:19	10:22	10:28	6	F
	B-1	5.5 12	11:24	11:30	11:38	8	F
	B-4	7	OBSERVATION				F
	B-6	4	OBSERVATION				F
	B-7	8 12	12:36	12:40	12:47	7	F
	B-8	4 14	OBSERVATION				F

REMARKS _____

SANITARIAN _____ BACKHOE _____ OTHERS _____

TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____

TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

A/P _____

B-9

DB, L

2' YR, FSBIC/Thin platy,
CL, Dense/Dense
Sidewell,

4' 20-40% Gravel, Cobble, some boulders
SB, FSBIC/Thin platy,
SL/SiL, Less
Dense sidewall

(5.5') SiL/SL, Thin
platy, YB,
Soft sidewall

14'

Gravel
pockets
1-5'

$$\frac{w + z}{w + 1 + z, 6}$$

$$(6') \frac{4}{3 + 12} = 0.26$$

0.8 rate

$$z \text{ width } (5') \frac{4}{13} = 0.30$$

$$(4') \frac{4}{11} = 0.36$$

$$150 \times 3 = 450$$

$$450 / 0.8 = 562.5$$

$$562.5 / 2 = 281.25$$

$$(6' \text{ SWC}) 281.25 \times 0.26 = 74.9$$

$$(5' \text{ SWC}) 281.25 \times 0.30 = 84.3$$

$$(4' \text{ SWC}) 281.25 \times 0.36 = 101.25$$

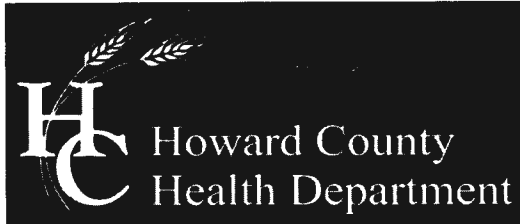
DATE	TEST #	DEPTH	START	BREAK 1' DROP	STOP 2' DROP	TIME OF 2ND INCH	P/F/H
	B9	6 14	3:19	3:24	3:32	8	T

REMARKS _____

SANITARIAN _____ BACKHOE _____ OTHERS _____

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Bureau of Environmental Health

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Main: 410-313-2640 | Fax: 410-313-2648

TDD 410-313-2323 | Toll Free 1-866-313-6300

www.hchealth.org

Facebook: www.facebook.com/hocohealth

Twitter: HowardCoHealthDep

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

Date: April 7, 2025

To: Robin L Mclave
13983 Triadelphia Mill Rd.
Dayton, MD 21036

Re: 13983 Triadelphia Mill Rd.
Dayton, MD 21036
Percolation Test Report

Sent 5/7

Percolation tests were conducted at 13983 Triadelphia Mill Rd. (Tax Map 27, Parcel 13) on 4/23/2025. Tests and profile descriptions were documented for locations B-1, B-4, B-5, B-6, B-7, B-8 & B-9. Out of 7 test holes 5 passed (B-5, B-1, B-7, B-8 & B-9)

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. Areas that may be included in the septic reserve area are represented by test locations having satisfactory soil conditions. The sewage disposal area must be at least 10,000sqft. 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) 313-6357 or by email rfreemon@howardcountymd.gov

Respectfully,

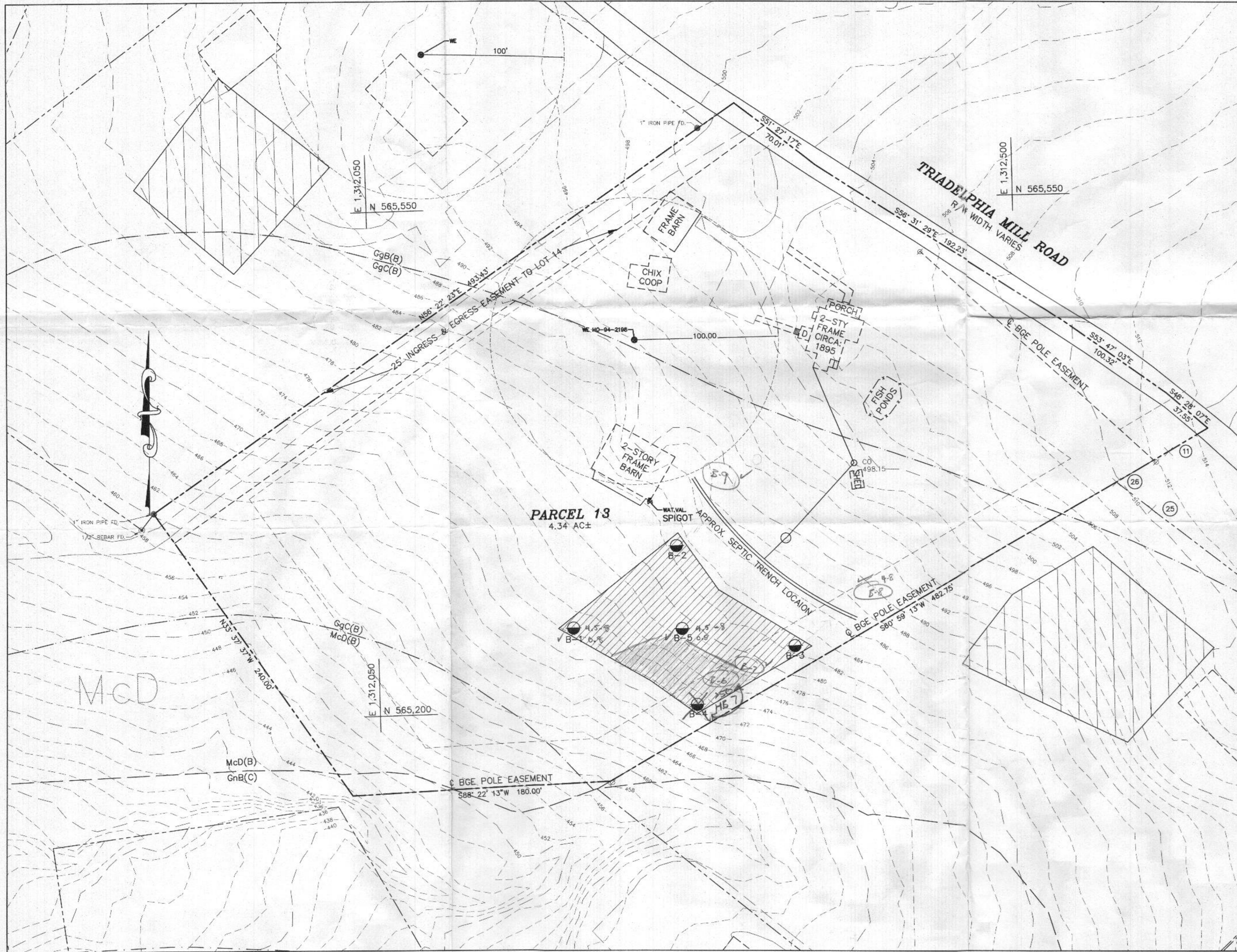
A handwritten signature in black ink, appearing to read 'Robert Freemon', is written above the typed name.

Robert Freemon
Bureau of Environmental Health
Well & Septic Program

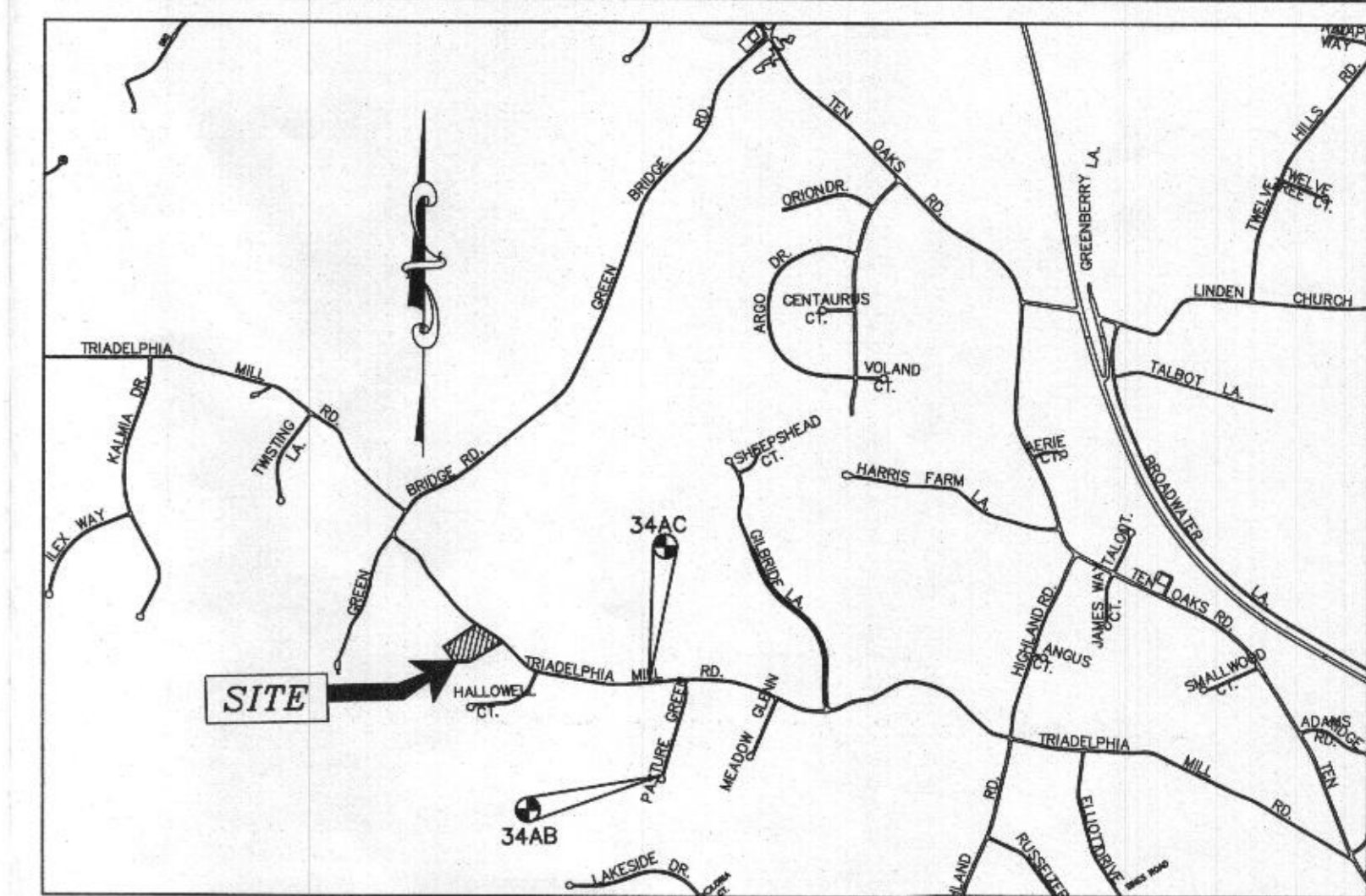
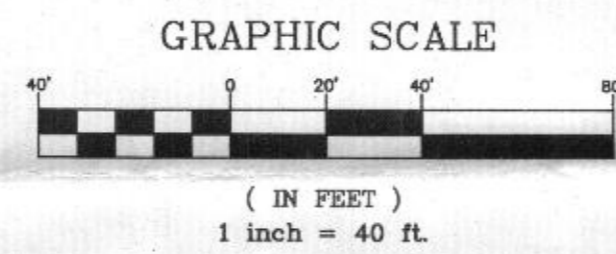
Attachment: Percolation Field Notes

SOILS TABLE

SYMBOL	RATING	DESCRIPTION	K FACTOR	MAP NO.	COMMENTS
GgB	B	GLENELG LOAM, 2-8% SLOPES	0.37		
GgC	B	GLENELG LOAM, 8-15% SLOPES	0.43		
GnB	C	GLENVILLE-BAILE SILT LOAMS, 0-8% SLOPES	0.49		
McD	B	MANOR LOAM, 15-25% SLOPES, VERY ROCKY	0.28		



PERCOLATION PLAN
SCALE: 1"=40'



VICINITY MAP
SCALE: 1" = 2000'
ADC MAP 24 GRID F6

GENERAL NOTES:

1. THE SUBJECT PROPERTY IS ZONED RR-DEO PER THE 10/06/2013 COMPREHENSIVE ZONING PLAN.
2. **PARCEL BACKGROUND:**
ADDRESS: 13983 TRIADELPHIA MILL ROAD, WOODBINE MD, 21797
TAX MAP 027: PARCEL 13, GRID 24
ELECTION DISTRICT: 5
DEED REFERENCE: L18435, F.218
AREA: 4.34 AC±
TOTAL NUMBER OF UNITS: 1
PROPOSED USE FOR SITE: RESIDENTIAL.
3. PROJECT BOUNDARY IS BASED ON A FIELD RUN MONUMENTED BOUNDARY SURVEY PERFORMED ON OR ABOUT MARCH 2025 BY MILDENBERG, BOENDER & ASSOC.
4. TOPOGRAPHY SHOWN HERE IS GIS AND HAS BEEN FIELD VERIFIED BY MILDENBERG, BOENDER & ASSOC, INC. IN MARCH 2025 TO ACCURATELY REPRESENT THE RELATIVE CHANGES ON THE SUBJECT PROPERTY.
5. ALL WELLS AND SEPTIC SYSTEMS LOCATED WITHIN 100' OF THE PROPERTY BOUNDARIES HAVE BEEN SHOWN.
6. SOILS LOCATION AND CLASSIFICATION BASED ON HOWARD COUNTY GIS SOIL SURVEY
7. WELL LOCATIONS SHOWN ARE BASED ON HEALTH DEPARTMENT RECORDS VERIFIED BY FIELD VISIT.
8. ANY CHANGES TO A PRIVATE SEWAGE AREA SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
9. SEPTIC TANKS AND DRAIN FIELD SHOWN IS BASED ON DATA PROVIDED BY HOWARD COUNTY HEALTH DEPARTMENT.
10. THIS AREA DESIGNATES A PRIVATE SEWAGE AREA OF AT LEAST 10,000 S.F. AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IT PROVIDES AT LEAST ENOUGH AREA TO ACCOMMODATE AN INITIAL AND TWO REPLACEMENT SEPTIC SYSTEMS AS REQUIRED BY THE HOWARD COUNTY HEALTH DEPARTMENT. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS AREA SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE AREA. RECORDATION OF A MODIFIED SEWAGE AREA SHALL NOT BE NECESSARY.
11. THE LOTS SHOWN HEREIN COMPLIED WITH THE MINIMUM OWNERSHIP, WIDTH AND LOT AREA AS REQUIRED BY DEPARTMENT OF THE ENVIRONMENT.
12. TO THE BEST OF OUR KNOWLEDGE, ALL EXISTING WELLS AND SEWAGE DISPOSAL AREAS WITHIN 100 FEET OF THE PROPERTY AND THOSE WELLS WITHIN 200' DOWN GRADIENT OF EXISTING OR PROPOSED SEPTIC SYSTEMS OR SEWAGE DISPOSAL AREAS HAVE BEEN SHOWN
13. THIS SYMBOL DENOTES PROPOSED BORING LOCATION.
14. THE PROPERTY IS A SUBJECT TO BUILDING PERMIT B24004813.

NO.	REVISION	DATE

PERCOLATION TESTING PLAN

13983 TRIADELPHIA MILL RD.

TAX MAP: 27 PARCEL: 13 BLOCK: 24 ZONING: RR-DEO
5TH ELECTION DISTRICT - HOWARD COUNTY, MARYLAND

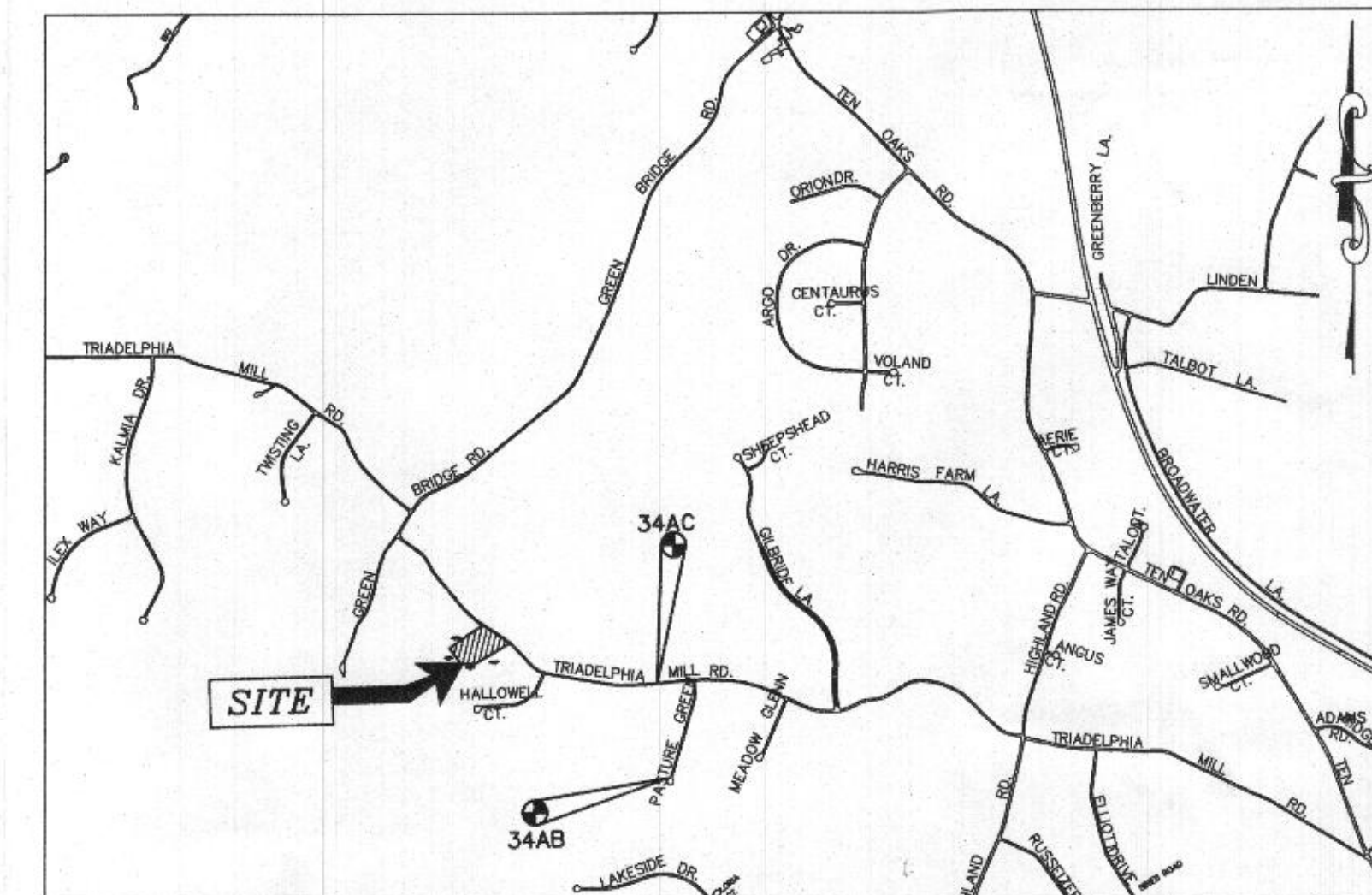
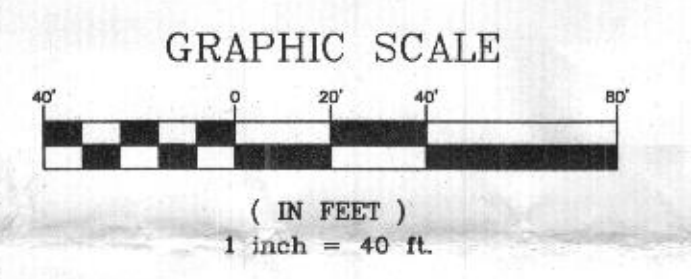
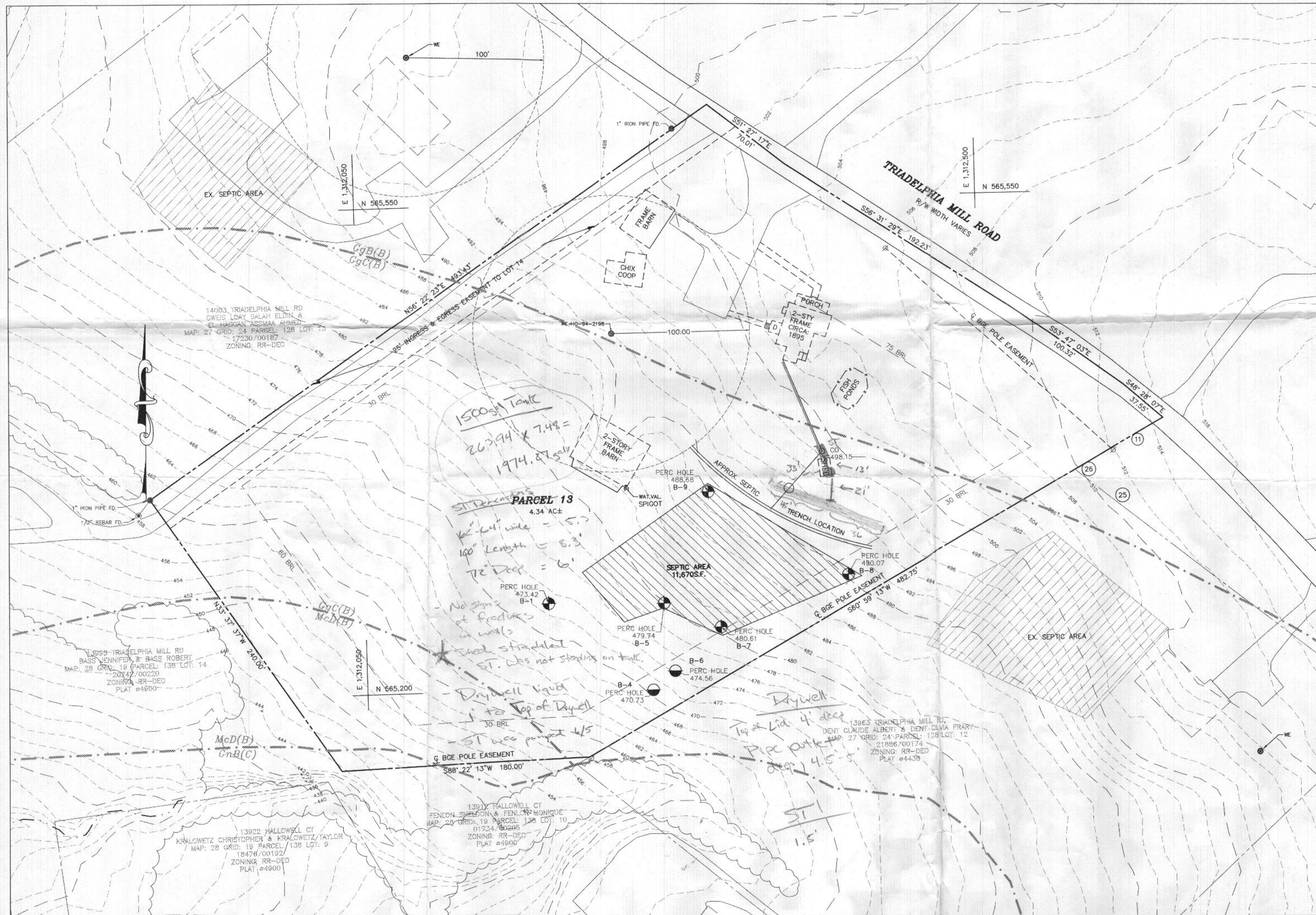


MILDENBERG, BOENDER & ASSOC., INC.
8318 FORREST STREET - SUITE 300, ELLICOTT CITY, MD 21043
(410) 997-0296 | mba-eng.com

	PROFESSIONAL CERTIFICATION I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DAILY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 28859 EXP. DATE: 08/08/2025 DATE: _____ SAMER A. ALOMER, P.E.	PROJECT: 25-007 ILLUSTRATION: MMM SCALE: 1"=40' DATE: 02/24/2025	DATE: 3/24/2025 ENGINEERING: MMM APPROVAL: SAA 1 OF 1
	COUNTY FILE NUMBER		

SOILS TABLE

SYMBOL	RATING	DESCRIPTION	K FACTOR
GgB	B	GLENELG LOAM, 2-8% SLOPES	0.37
GgC	B	GLENELG LOAM, 8-15% SLOPES	0.43
GnB	C	GLENVILLE-BAILE SILT LOAMS, 0-8% SLOPES	0.49
McD	B	MANOR LOAM, 15-25% SLOPES, VERY ROCKY	0.28



VICINITY MAP
 SCALE: 1" = 2000'
 ADC MAP 24 GRID F6
 STA. 34AC N: 564860.537 E: 1314455.351 EL: 529.832
 STA. 34AB N: 563703.574 E: 1314539.530 EL: 521.118

- GENERAL NOTES:**
- THE SUBJECT PROPERTY IS ZONED RR-DEO PER THE 10/06/2013 COMPREHENSIVE ZONING PLAN.
 - PARCEL BACKGROUND:
 ADDRESS: 13983 TRIADDELPHIA MILL ROAD, WOODBINE MD, 21797
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 - THIS SYMBOL DENOTES FAILED SOIL BORING.
 - THIS SYMBOL DENOTES PASSED SOIL BORING.
 - THE PROPERTY IS A SUBJECT TO BUILDING PERMIT B24004813.
 - A SIGNED ON-SITE SEWAGE DISPOSAL SYSTEM (OSDS) PLAN WILL BE REQUIRED PRIOR TO BUKING PERMIT APPROVAL.
 - THE EXISTING HOUSE AND DRIVEWAY ON SITE ARE TO REMAIN.

LEGEND

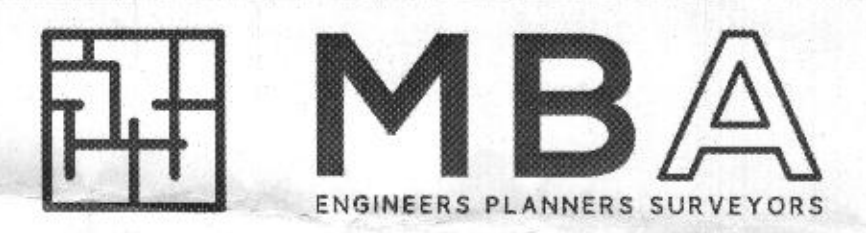
	PROPOSED SEPTIC AREA
	EXISTING SEPTIC AREA
	EXISTING WELL
	SOIL LINE
	EXISTING TREELINE

NO.	REVISION	DATE

PERC CERTIFICATION PLAN

13983 TRIADDELPHIA MILL RD.

TAX MAP: 27 PARCEL: 13 BLOCK: 24 ZONING: RR-DEO
 5TH ELECTION DISTRICT - HOWARD COUNTY, MARYLAND



MILDENBERG, BOENDER & ASSOC., INC.
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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. 25609
 EXP. DATE 08/08/2025
 SAMER A. ALOMER, P.E. 05/18/2025 DATE

PROJECT	DATE
25-007	05/11
ILLUSTRATION	ENGR
MBM	MBM
SCALE	ASPT
1"=40'	SAJ

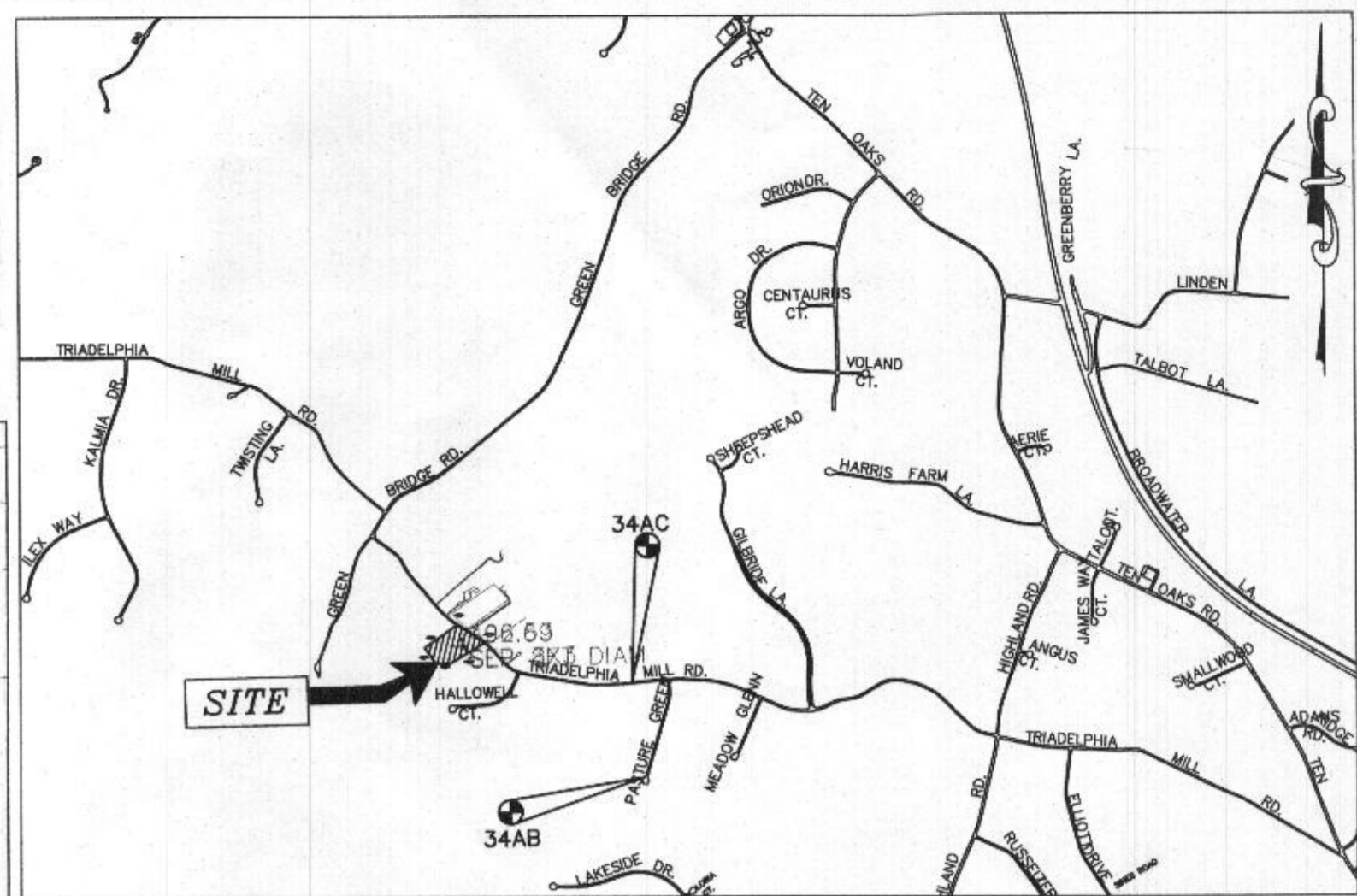
PURPOSE STATEMENT:
 THE PURPOSE OF THIS PERCOLATION CERTIFICATION PLAN IS TO PROVIDE ADEQUATE SEWAGE DISPOSAL AREA OF 10,000 S.F. FOR THE EXISTING DWELLING.

APPROVED FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS
 COUNTY HEALTH OFFICER _____ DATE _____
 HOWARD COUNTY HEALTH DEPARTMENT

DEVELOPER/OWNER
 ROBIN MCCLAVE
 13983 TRIADDELPHIA MILL ROAD
 WOODBINE MD, 21797
 410-900-3600

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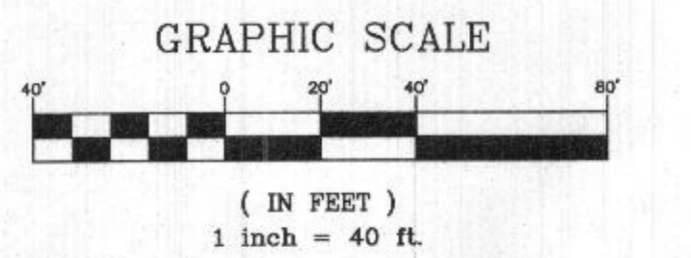
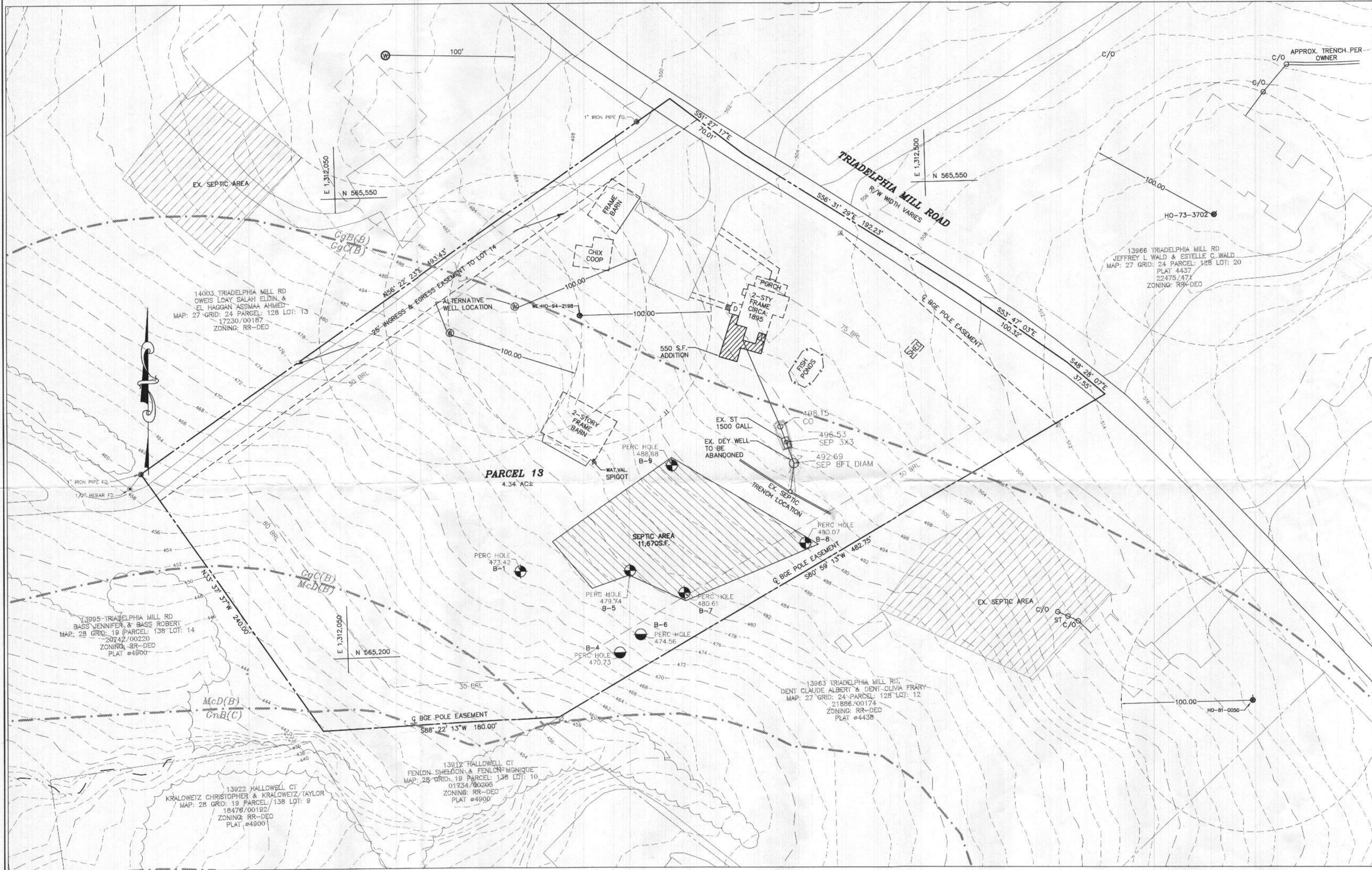


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- THE EXISTING HOUSE AND DRIVEWAY ON SITE ARE TO REMAIN.



LEGEND

	PROPOSED SEPTIC AREA
	EXISTING SEPTIC AREA
	EXISTING WELL
	SOIL LINE
	ALTERNATIVE WELL

PURPOSE STATEMENT:
 THE PURPOSE OF THIS PERCOLATION CERTIFICATION PLAN IS TO PROVIDE ADEQUATE SEWAGE DISPOSAL AREA OF 10,000 S.F. FOR THE EXISTING DWELLING AND THE 550 S.F. ADDITION, SUBJECT TO BUILDING PERMIT B24004813

NO.	REVISION	DATE

PERC CERTIFICATION PLAN

13983 TRIADELPHIA MILL RD.

TAX MAP: 27 PARCEL: 13 BLOCK: 24 ZONING: RR-DEO
 5TH ELECTION DISTRICT - HOWARD COUNTY, MARYLAND

MBA
 ENGINEERS PLANNERS SURVEYORS

MILDENBERG, BOENDER & ASSOC., INC.
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SAMER A. ALQOMER, P.E.	PM	ENGINEERING
06/30/2025	MM	MM
DATE	SCALE	APPROVAL
	1"=40'	SA

1 OF 1

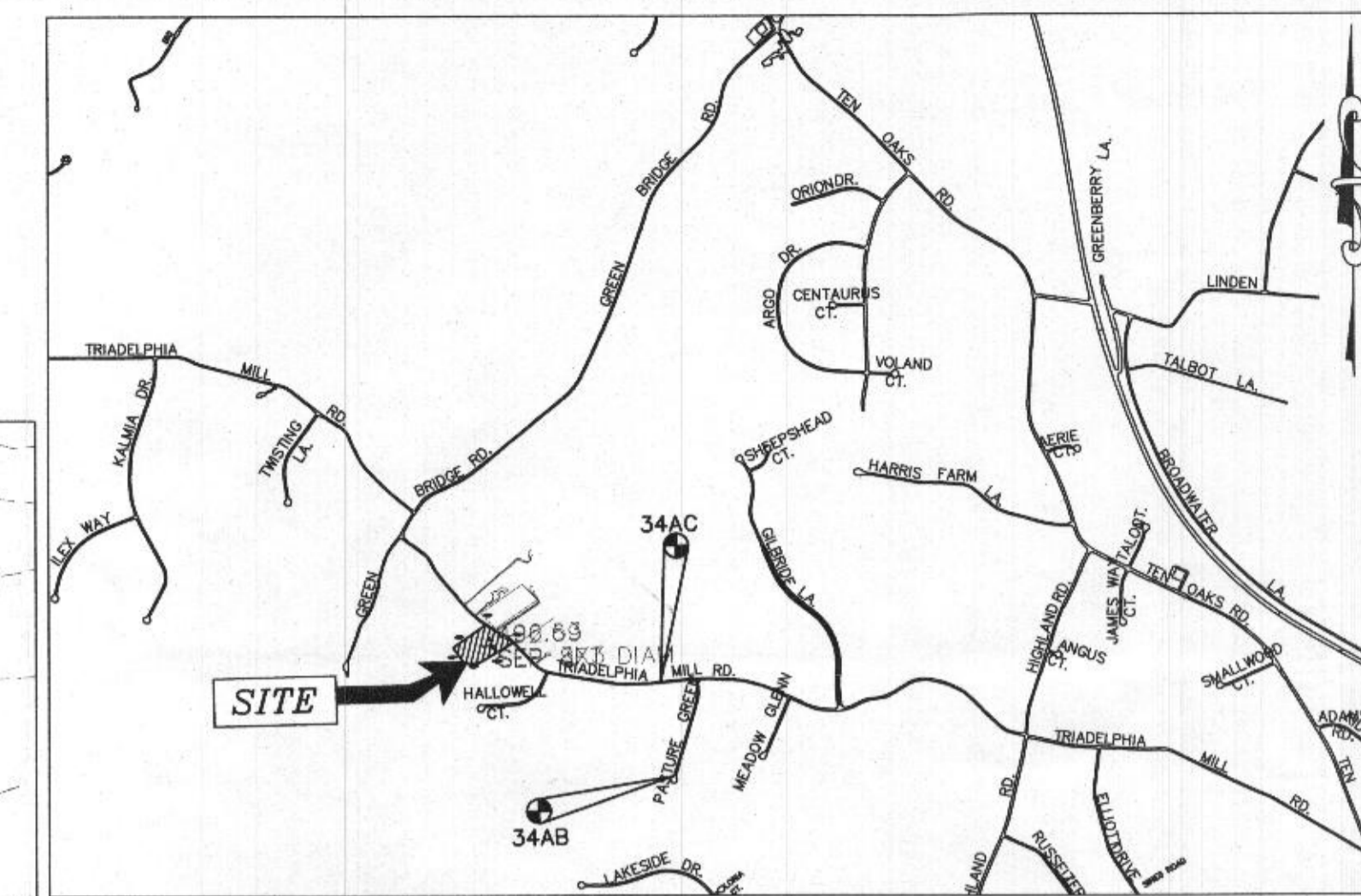
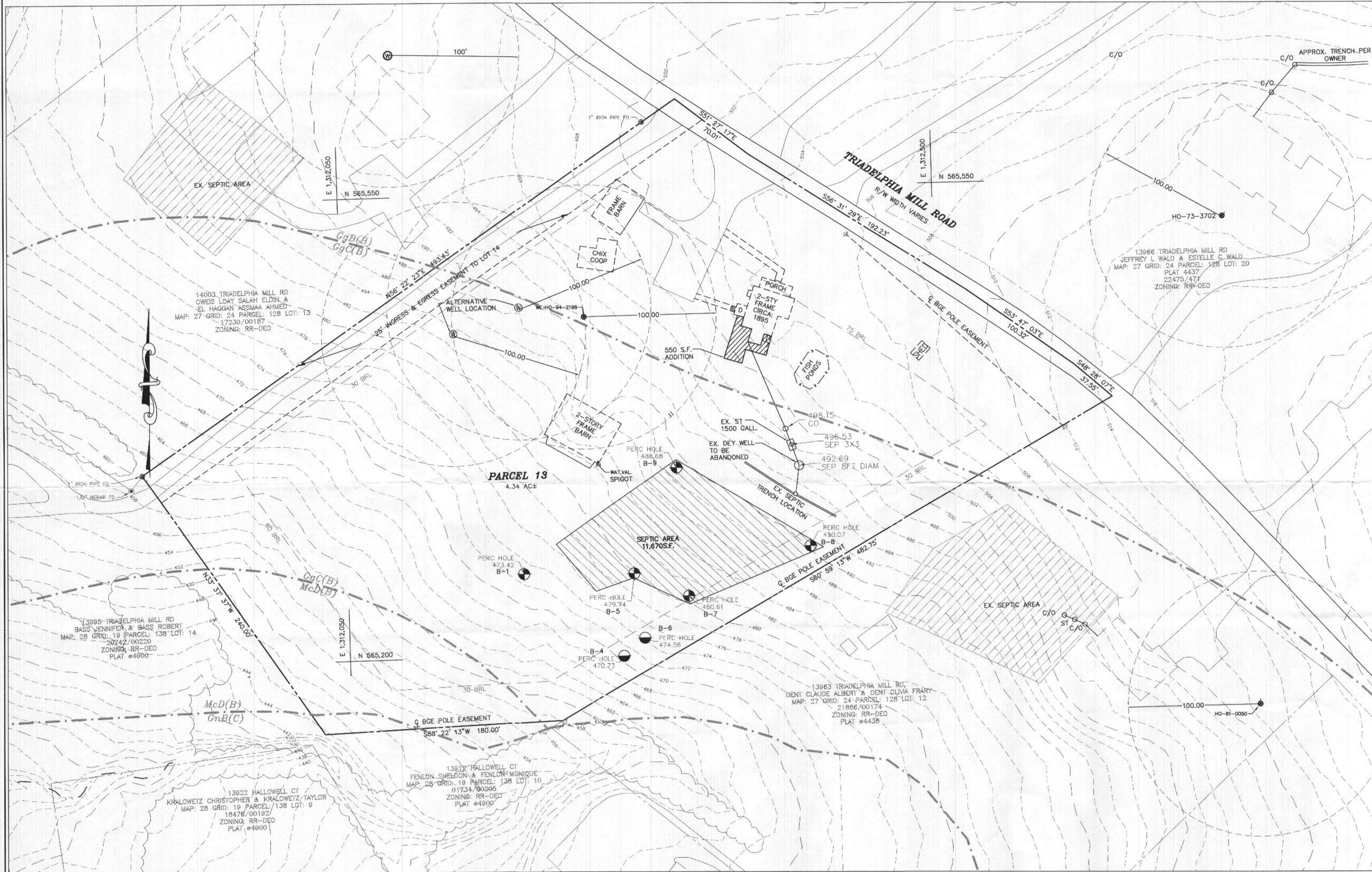
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 APPROVED FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS

 COUNTY HEALTH OFFICER

DEVELOPER/OWNER
 ROBIN MCCLAVE
 13983 TRIADELPHIA MILL ROAD
 WOODBINE MD, 21797
 410-900-3600

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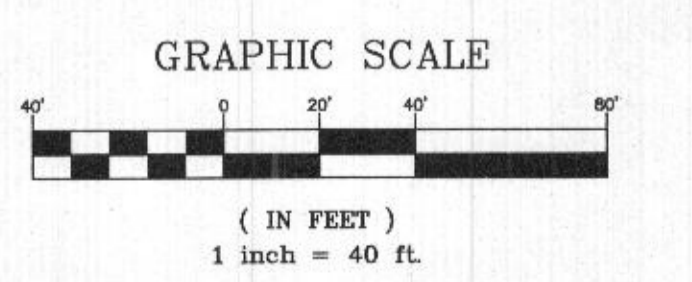
SYMBOL	RATING	DESCRIPTION	K FACTOR
GgB	B	GLENELG LOAM, 2-8% SLOPES	0.37
GgC	B	GLENELG LOAM, 8-15% SLOPES	0.43
GnB	C	GLENVILLE-BAILE SILT LOAMS, 0-8% SLOPES	0.49
McD	B	MANOR LOAM, 15-25% SLOPES, VERY ROCKY	0.28



VICINITY MAP
 SCALE: 1" = 2000'
 ADC MAP 24 GRID F6

STA. 34AC N: 564860.537 E: 1314455.351 EL: 529.832
 STA. 34AB N: 563703.574 E: 1314539.530 EL: 521.118

- GENERAL NOTES:**
- THE SUBJECT PROPERTY IS ZONED RR-DEO PER THE 10/06/2013 COMPREHENSIVE ZONING PLAN.
 - PARCEL BACKGROUND:**
 ADDRESS: 13983 TRIADDELPHIA MILL ROAD, WOODBINE MD, 21797
 TAX MAP 027; PARCEL 13; GRID 24
 ELECTION DISTRICT: 5
 DEED REFERENCE: L18435, F.218
 AREA: 4.34 AC±
 TOTAL NUMBER OF UNITS: 1
 PROPOSED USE FOR SITE: RESIDENTIAL.
 - PROJECT BOUNDARY IS BASED ON A FIELD RUN MONUMENTED BOUNDARY SURVEY PERFORMED ON OR ABOUT MARCH 2025 BY MILDENBERG, BOENDER & ASSOC.
 - TOPOGRAPHY SHOWN HERE IS GIS AND HAS BEEN FIELD VERIFIED BY MILDENBERG, BOENDER & ASSOC, INC. IN MARCH 2025 TO ACCURATELY REPRESENT THE RELATIVE CHANGES ON THE SUBJECT PROPERTY.
 - SOILS LOCATION AND CLASSIFICATION BASED ON HOWARD COUNTY GIS SOIL SURVEY
 - WELL LOCATIONS SHOWN ARE BASED ON HEALTH DEPARTMENT RECORDS VERIFIED BY FIELD VISIT.
 - ANY CHANGES TO A PRIVATE SEWAGE AREA SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
 - EXISTING DRY WELL MUST BE PROPERLY ABANDONED PRIOR TO BUILDING PERMIT APPROVAL.
 - THIS AREA DESIGNATES A PRIVATE SEWAGE AREA OF AT LEAST 10,000 S.F. AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IT PROVIDES AT LEAST ENOUGH AREA TO ACCOMMODATE AN INITIAL AND TWO REPLACEMENT SEPTIC SYSTEMS AS REQUIRED BY THE HOWARD COUNTY HEALTH DEPARTMENT. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS AREA SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE AREA. RECORDATION OF A MODIFIED SEWAGE AREA SHALL NOT BE NECESSARY.
 - THE LOTS SHOWN HEREIN COMPLIED WITH THE MINIMUM OWNERSHIP, WIDTH AND LOT AREA AS REQUIRED BY DEPARTMENT OF THE ENVIRONMENT.
 - TO THE BEST OF OUR KNOWLEDGE, ALL EXISTING WELLS AND SEWAGE DISPOSAL AREAS WITHIN 100 FEET OF THE PROPERTY AND THOSE WELLS WITHIN 200' DOWN GRADIENT OF EXISTING OR PROPOSED SEPTIC SYSTEMS OR SEWAGE DISPOSAL AREAS HAVE BEEN SHOWN
 - THIS SYMBOL DENOTES FAILED SOIL BORING.
 - THIS SYMBOL DENOTES PASSED SOIL BORING
 - THE PROPERTY IS A SUBJECT TO BUILDING PERMIT B24004813.
 - A SIGNED ON-SITE SEWAGE DISPOSAL SYSTEM (OSDS) PLAN WILL BE REQUIRED PRIOR TO BUILDING PERMIT APPROVAL.
 - THE EXISTING HOUSE AND DRIVEWAY ON SITE ARE TO REMAIN.



LEGEND

	PROPOSED SEPTIC AREA
	EXISTING SEPTIC AREA
	EXISTING WELL
	SOIL LINE
	ALTERNATIVE WELL

PURPOSE STATEMENT:
 THE PURPOSE OF THIS PERCOLATION CERTIFICATION PLAN IS TO PROVIDE ADEQUATE SEWAGE DISPOSAL AREA OF 10,000 S.F. FOR THE EXISTING DWELLING AND THE 550 S.F. ADDITION, SUBJECT TO BUILDING PERMIT B24004813

PERC CERTIFICATION PLAN

13983 TRIADDELPHIA MILL RD.

TAX MAP: 27 PARCEL: 13 BLOCK: 24 ZONING: RR-DEO
 5TH ELECTION DISTRICT - HOWARD COUNTY, MARYLAND

MBA
 ENGINEERS PLANNERS SURVEYORS

MILDENBERG, BOENDER & ASSOC., INC.
 8318 FORREST STREET - SUITE 300, ELLICOTT CITY, MD 21043
 (410) 997-0296 | mba-eng.com

NO.	REVISION	DATE

PROJECT	DATE
25-007	06/30/2025

ILLUSTRATION	ENGINEERING
PM	MMM

SCALE	APPROVAL
1"=40'	SA

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. 28859
 EXP. DATE 08/08/2025

SAMER A. ALKMER, P.E. 06/30/2025 DATE

1 OF 1

HOWARD COUNTY HEALTH DEPARTMENT
 APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS

[Signature] 2/18/25
 COUNTY HEALTH OFFICER DATE

DEVELOPER/OWNER
 ROBIN MCCLAVE
 13983 TRIADDELPHIA MILL ROAD
 WOODBINE MD, 21797
 410-900-3600



Bureau of Environmental Health

8930 Stanford Boulevard, Columbia, MD 21045

Main: 410-313-2640 | Fax: 410-313-2648

TDD 410-313-2323 | Toll Free 1-866-313-6300

www.hchealth.org

Facebook: www.facebook.com/hocohealth

Twitter: HowardCoHealthDep

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

MEMORANDUM

RE: Yaniv Barsheshet and Robin McClave
13983 Triadelphia Mill Rd.
Dayton, MD 21036
(B24004813)

FROM: Robert Freemon *RF*
Well & Septic Program

DATE: 2/11/2024 *Sent 2/11/24*

After review of building permit B24004813 here are my comments. Prior to building permit approval, the following is required.

1. **Percolation Certification Plan (PC)**
2. **On-Site Sewage Disposal System Evaluation (OSDS)**
 - **On-Site Sewage Disposal System Upgrade**
 - **Abandonment of Existing Systems**

Percolation Certification Plan (PC): A percolation certification plan is a plan signed by the Health Dept. designating a sewage disposal area on the property. Before a perc cert can be created perc testing is required. Prior to testing the Health Dept. must receive a filled-out perc testing application, the perc permit fee of \$597 (payable to the Director of Finance) and a perc test plan. The fee for the perc permit covers testing, plan review and certification. Homeowners will need to hire a septic contractor or a friend with a backhoe to dig holes 12-16ft deep. As for the test plan, homeowners will typically hire a civil/septic engineer who has worked with us before. Once the Health Dept. has received all three (application, fee, test plan) and we approve of the test plan we will schedule a date for perc testing. Based on the test results the engineer will finalize the perc cert and submit it for review and signature.

On-Site Sewage Disposal System Evaluation (OSDS): During percolation testing the existing septic system will be exposed for evaluation. If the existing system is determined to be inadequate by the Health Dept. the existing septic system will need to be properly abandoned and a new system installed.

On-site Sewage Disposal System (OSDS): An OSDS must be planned and installed with Health Dept. approval. Using the perc results and total number of bedrooms proposed the engineer will design a septic plan. Once the Health Dept. approves of the septic plan a septic contractor will need to pick up the septic permit and pay the fee of \$496 (payable to the Director of Finance) prior to installation. During installation inspections will be made and a final approval may be given.

Abandonment of Existing System: The existing septic system must be properly abandoned. The existing septic system must be pumped out, crushed, and filled with clean dirt. Documentation of the septic abandonment must be submitted to the Health Dept.

Freemon, Robert

From: Freemon, Robert
Sent: Tuesday, February 11, 2025 12:16 PM
To: MAUREENMC1@YAHOO.COM; chesapeakedesignco@gmail.com
Subject: 13983 Triadelphia Mill Rd.
Attachments: HCHD BP Process.pdf; 13983 Triadelphia Mill Rd. BP.pdf; ENGINEERS Surveyors REV 6-28-02.pdf; SEPTIC CONTRACTORS_updated 8-14-20.pdf; P36642_05-387116_13983_TRIADELPHIA_MILL.pdf

Hi,
Attached are my comments regarding building permit B24004813. Additional information is attached and can be found on our website (see signature below). If you have any questions let me know.



*8930 Stanford Blvd. Columbia, MD 21045
Bureau of Environmental Health
Well and Septic Program*

*Robert "Spencer" Freemon
Phone: 410-313-6357*

EMAIL: rfreemon@howardcountymd.gov

GIS INTERACTIVE: <https://data.howardcountymd.gov/InteractiveMap.html>

WEBSITE: <https://www.howardcountymd.gov/Departments/Health/Environmental-Health/Well-and-Septic>

Freemon, Robert

From: Freemon, Robert
Sent: Wednesday, February 19, 2025 1:41 PM
To: Chesapeake Design
Subject: RE: 13983 Triadelphia Mill Rd.

Hi Maureen,

Due to the amount of additional living space proposed (regardless of bedroom count) it triggers the need to make sure this property has reserve area for future septic systems and to make sure the existing septic system meets current regulation. Septic systems do not last forever so it is vital to have reserved replacement area designated on the property. Although you may not be adding bedrooms you are increasing the amount of livable space within the dwelling. If more living space is being added, more people can live within the dwelling. If more people can live within the dwelling there is the potential for more bedrooms to be added. In addition to reserving replacement area on the property, Health is also required to make sure the existing septic system is adequate under today's standards for the total number of bedrooms proposed (regardless if changing or not). Prior to approving a large amount of living space to the property this is what would be required. If the owners have addition questions regarding regulation, they can view our webpage for additional information.



*8930 Stanford Blvd. Columbia, MD 21045
Bureau of Environmental Health
Well and Septic Program*

*Robert "Spencer" Freemon
Phone: 410-313-6357*

EMAIL: rffreemon@howardcountymd.gov

GIS INTERACTIVE: <https://data.howardcountymd.gov/InteractiveMap.html>

WEBSITE: <https://www.howardcountymd.gov/Departments/Health/Environmental-Health/Well-and-Septic>

From: Chesapeake Design <chesapeakedesignco@gmail.com>
Sent: Wednesday, February 12, 2025 1:37 PM
To: Freemon, Robert <rffreemon@howardcountymd.gov>
Subject: Re: 13983 Triadelphia Mill Rd.

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Good afternoon Mr. Freemon and thank you for all this information. I'm sorry to have missed your call yesterday. I have passed this along to the homeowners and they are asking why they are required to complete these steps if no Bedrooms are being added in the plans? Would you mind clarifying this requirement when you have a moment?

I appreciate your help and response,
Maureen

Maureen Copeland, Architect
717.599.9590

On Tue, Feb 11, 2025 at 12:17 PM Freemon, Robert <rfreemon@howardcountymd.gov> wrote:

Hi,

Attached are my comments regarding building permit B24004813. Additional information is attached and can be found on our website (see signature below). If you have any questions let me know.



8930 Stanford Blvd. Columbia, MD 21045

Bureau of Environmental Health

Well and Septic Program

Robert "Spencer" Freemon

Phone: 410-313-6357

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