



# HOWARD COUNTY HEALTH DEPARTMENT

61498

DATE  
8/17/17

AS

Received From

Gregory Custom Remodeling, LLC PHONE # 443-745-1940

For

Percolation Testing & Site Evaluation

CASH

CHECK

NO. 665

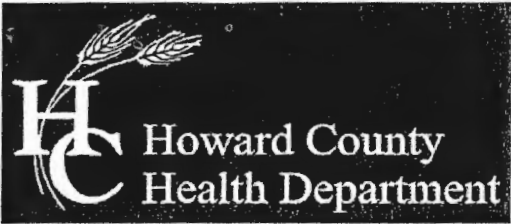
Five thousand & six Dollars — w/100

Dollars

\$ 506.00

Received By

Vicki Delaney



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

4506

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

APPLICATION FOR PERCOLATION TESTING AND SITE EVALUATION

A56498

PROPERTY LOCATION

SUBDIVISION/PROPERTY NAME

PROPERTY ADDRESS 2409 MINNERS Mill RD TOWN ZIP 21723

TAX ACCOUNT # TAX MAP GRID PARCEL LOT NO. PROPOSED LOT SIZE (ACRES)

ZONING CATEGORY TIER

PROPERTY OWNER(S) CHERY MILES

DAYTIME PHONE 443 745 1940 CELL SAME EMAIL CRMILES2@GMAIL.COM

MAILING ADDRESS 2409 MINNERS Mill RD COOKSVILLE, MD 21723

APPLICANT JOSEPH GREGORY RELATIONSHIP TO OWNER: BUILDER

DAYTIME PHONE 443 831 7563 CELL 443 831 7563 EMAIL GREGORYDEMONZUNO@GMAIL.COM

MAILING ADDRESS 622 TANGLEWOOD DR SILVERVILLE MD 21784

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

PROPERTY:

- SUBDIVISION: NUMBER OF LOTS INCLUDING RESIDUE: SUBDIVISION CLASSIFICATION (PER DEPT. OF PLANNING AND ZONING) MAJOR MINOR
CONSTRUCT NEW OSDS ON UNDEVELOPED LOT
REPAIR OR REPLACE FAILING OSDS
UPGRADE EXISTING OSDS

BUILDING:

- RESIDENTIAL WITH 5 EXISTING OR PROPOSED BEDROOMS IN THE COMPLETED STRUCTURE
COMMERCIAL (PROVIDE DETAIL OF TYPE-OF USE AND NUMBERS OF EMPLOYEES/CUSTOMERS ON ACCOMPANYING PLAN)

IS THE PROPERTY WITHIN 2500 FEET OF ANY RESERVOIR?

- 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.

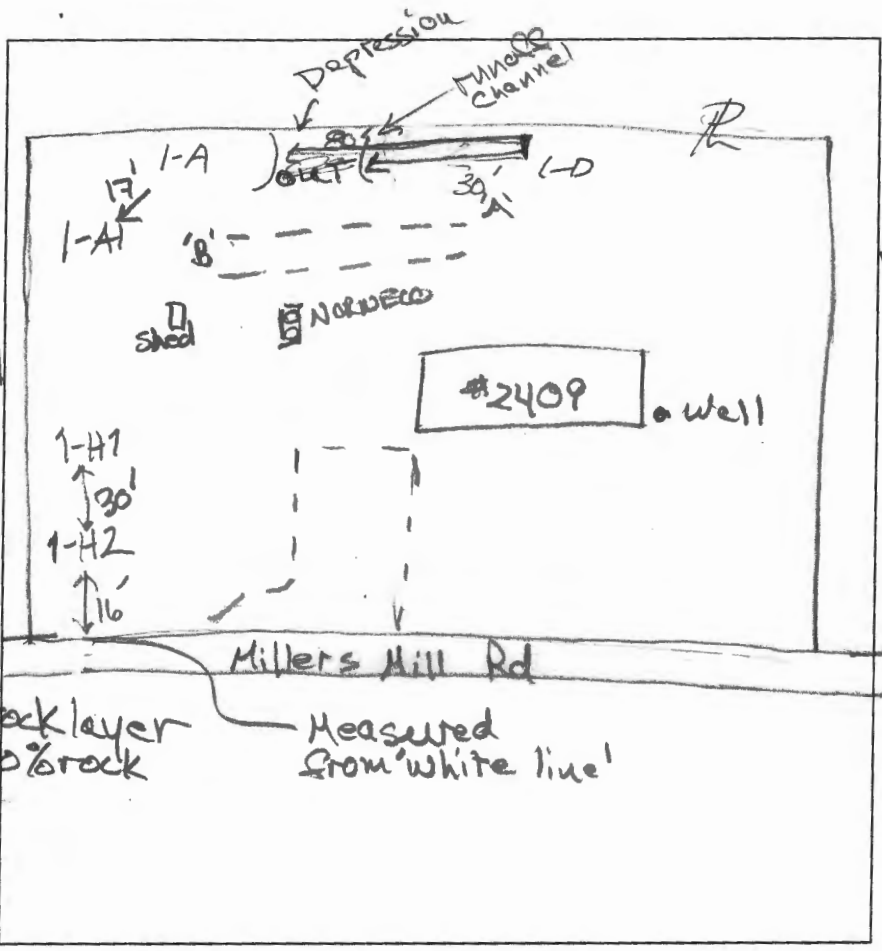
SIGNATURE OF APPLICANT

DATE 8/17/17

# #2409 Millers Mill

A/P \_\_\_\_\_

1-A  
 1' dk brn sl  
 1' lt brn sl  
 2' lt brn bysl  
 3.7' Rock Refusal  
 1-A  
 0.5' dk. brn sl  
 vertical rock layer  
 3' x byls, 80% rock  
 stop



well

1-H1  
 Fill  
 4.5' stop  
 1-H2  
 6' stop

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
10/18/17	1-A1	0.5	Visual	Rock > 50%			F
10/12/17	1-A	3.7'	Refusal	Rock			F
10/18/17	1-H1	0.5	Visual	Fill			F
10/18/17	1-H2	0.5	Visual	Fill			F

REMARKS \_\_\_\_\_  
 SANITARIAN R Bricker BACKHOE Fogels OTHERS Andy Peake  
 TEST HOLES USED IN SDA \_\_\_\_\_ AVG. PERC TIME \_\_\_\_\_ SQ. FT/HR \_\_\_\_\_  
 TRENCH WIDTH \_\_\_\_\_ INLET DEPTH \_\_\_\_\_ MAX. BOT DEPTH \_\_\_\_\_ EFFECTIVE SW \_\_\_\_\_

2409 Millers Mill Rd  
September 7, 2017

AVP

'C' offset 25'

2 ft.  
to Rock > 50%  
5' - R -

See Mark-up  
of Perc Plan

(E)  
brn L  
2 v sbk  
few channers

0.9'  
brn cl  
2 fsbk, ss

3.6'  
red-brn sl  
thick platy  
few mica

5'  
yel-red  
& lt. brn  
sl thick  
few mica  
few channers

6.8'  
pale brn  
& pale yellow  
1/5 few mica  
few channers

12.5'

(F)  
4 ft.  
to Rock > 50%  
5' - R -

(G)  
grey-brn  
& dk brn L  
1 fsbk  
few mica

0.3'  
red-brn L  
2 fsbk  
few mica

1.5'  
yel-brn sl  
2 msbk  
few mica

2.7'  
red-yel sl  
medium platy

3'  
pale yel-red

4'  
lt. yel-brn  
& pale yellow  
thick platy  
few mica

12.5'  
pale yellow  
& lt. yel-brn

13'  
fills  
rock content > 15%  
< 35%

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
9/7/17	G	6'/25'	12:01	12:03	12:06	3	P
9/7/17	F	6.8'/125'	12:36	12:42	12:56	14	P

REMARKS

SANITARIAN

R Bricker

BACKHOE

Sake & Dennis

OTHERS

Joseph Gregory

TEST HOLES USED IN SDA

AVG. PERC TIME

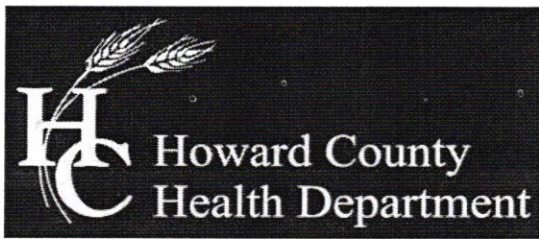
SG. FT/BR

TRENCH WIDTH

INLET DEPTH

MAX. BOT DEPTH

EFFECTIVE SW



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

APPLICATION FOR VARIANCE TO COMAR ONSITE WATER/SEWER FOR MDE APPROVAL

Date Submitted 10/3/2017

2409 MILLER'S MILL ROAD

Property Address

Subdivision Lot Tax Map Grid Parcel Tax Account # 0014 107 319370

Provide a brief site history including previously submitted and active plans with the Health Department or the County (subdivision plans, perc test applications, Building Permit applications):

Septic System Repair (2016); Percolation Test Application Plan; Building Permit Application anticipated

In the area below, list the specific section of the Code of Maryland Regulations (COMAR) to which a variance is being requested and provide a brief summary of the regulation and an explanation of why the variance is being requested (Attach a separate sheet if necessary).

Table with 2 columns: Regulation Section, Summary and Explanation. Row 1: 26.04.04.04.B.(2)(c), A proposed location for a water supply well shall be at least 30 feet from a foundation.

Signature of Cheryl R. Miles

Property Owner's Signature

Health Department Use Only

Reviewed by Robert Zwickler HCHD Staff Date

Recommendation: [X] Recommended [ ] Not Recommended

HCHD Supervisor Date

Comments/Conditions: Well is approx. 25' from proposed addition, and casing needs to be extended RB

Approved by: MDE Representative Date



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

SEWAGE DISPOSAL SYSTEM SPECIFICATIONS WORKSHEET

Address: 2409 Miller's Mill Road

Subdivision: Lot:

B#A installed 11/11/16 Initial system: Application rate: 1.2 Effective area beginning depth: 5 Bottom maximum depth: 6.5
1st Replacement: Application rate: 1.2 Effective area beginning depth: 4 Bottom maximum depth: 8
2nd Replacement: Application rate: Effective area beginning depth: Bottom maximum depth:

Design Flow = 150 gallons per day per bedroom

Design flow + application rate = square footage of drainfield required

Linear length of trench required = drainfield square footage x sidewall reduction percentage + trench width

Sidewall reduction credit formula:

(W+2)/(W+1+2D) x 100 = Percent of length of standard trench where W=trench width and D= depth between effective area beginning depth and trench bottom.

Standard design requirements:

- All trenches must be equal length unless low pressure dosed
All trenches must be on contour.
Minimum trench spacing: 10' for all trenches utilizing sidewall reduction credit.
Additional spacing may be necessary for any trench using over 3.5' of effective sidewall.
In those cases, the spacing formula is 2D +W up to a maximum spacing of 18'.
Minimum trench spacing for trenches with no sidewall credit (bottom area only) is 6' for a 2' wide trench and 9' for a 3' wide trench (spacing is measured edge to edge)
Maximum trench length is 100'
Maximum pipe depth is 4'

Additional requirements:

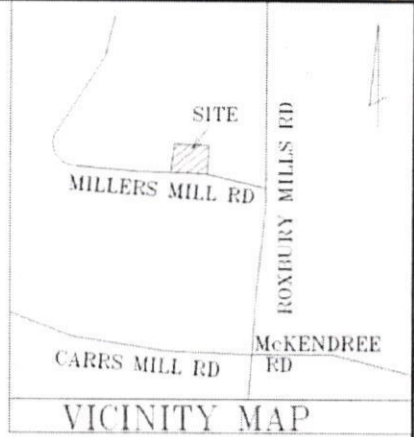
BAT unit installed 11/1/2016

Replacement system requires reduction of setback to back line to 5ft.

Approved: R Bricker Date: 10/30/17

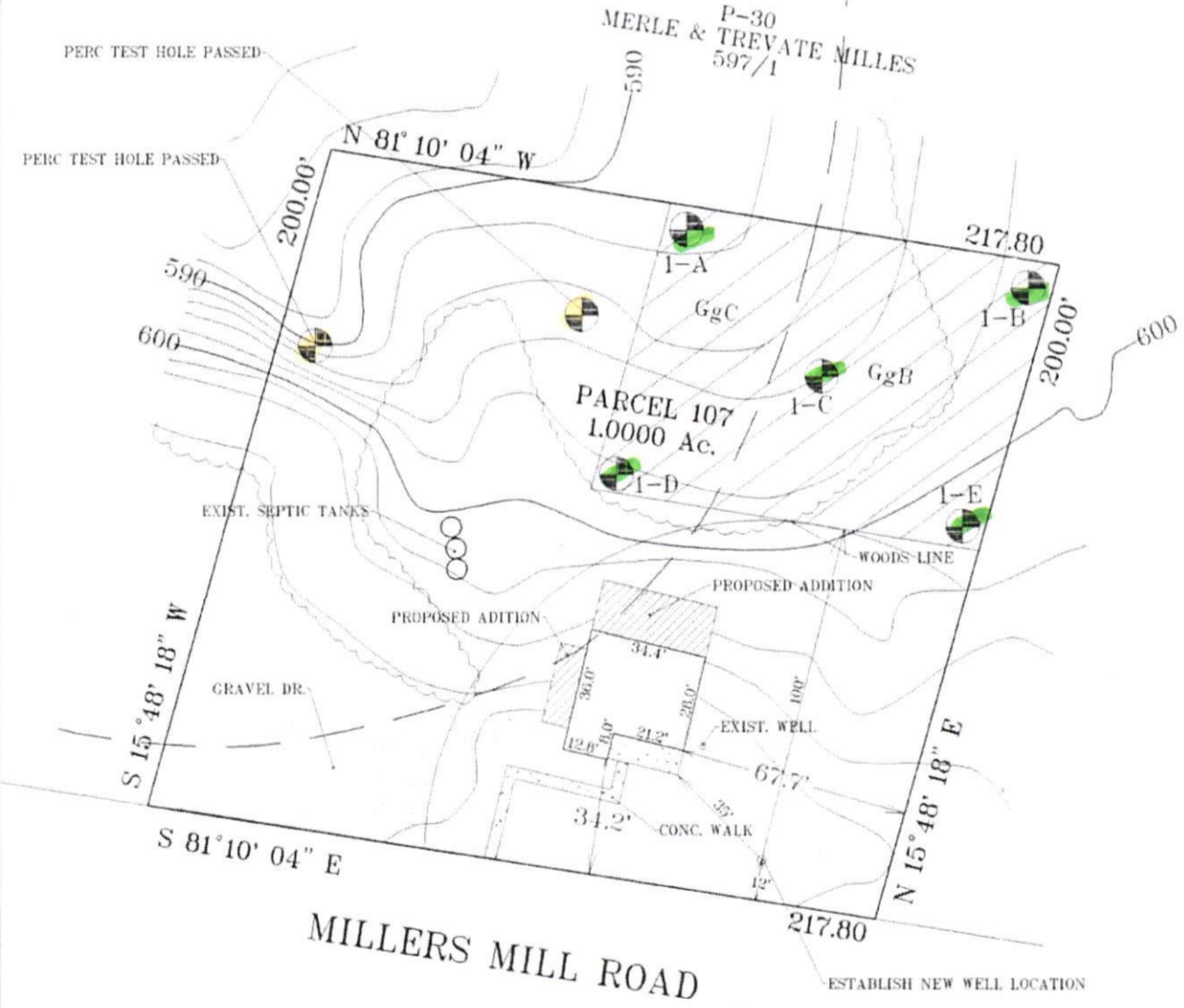
2409 MILLERS MILL ROAD  
 PARCEL: 107  
 TAX MAP NO. 14  
 HOWARD COUNTY  
 MARYLAND

Existing T.Holes  
 Proposed T.Holes



GENERAL NOTES

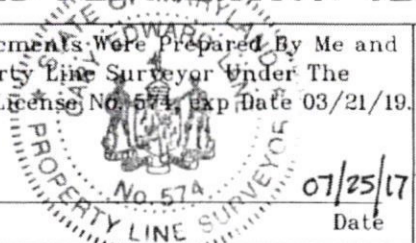
- 1) THERE IS NO GRADING ON THIS SITE.
- 2) DISTURBED AREA FOR THIS SITE IS 702 SQ.FT.
- 3) SITE ZONING IS RC-DEO.
- 4) TOPOGRAPHY SHOWN HEREON IS BASE ON AERIAL TOPOGRAPHY PERFORMED BY HOWARD COUNTY GIS.
- 5) SOILS LOCATION AND CLASSIFICATION BASED ON HOWARD COUNTY GIS SURVEY DATA.
- 6) PERC HOLE TEST PERFORMED ON 9/15/16 PER FOGLE'S SEPTIC CLEAN INC.
- 7) THIS AREA DESIGNATES A PRIVATE SEWAGE DISPOSAL AREA OF AT LEAST 10,000 SQ. FT. AS REQUIRED BY THE MARYLAND DEPARTMENT OF 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 SEWAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE AUTHORITY TO GRANT ADJUSTMENT TO THE PRIVATE SEWAGE EASEMENT RECORDATION OF A REVISED SEWAGE EASEMENT SHALL NOT BE NECESSARY.



REVISED PERCOLATION CERTIFICATION PLAN

I Hereby Certify That These Documents Were Prepared By Me and That I Am a Duly licensed Property Line Surveyor Under The Laws Of The State Of Maryland, License No. 574, Exp. Date 03/21/19.

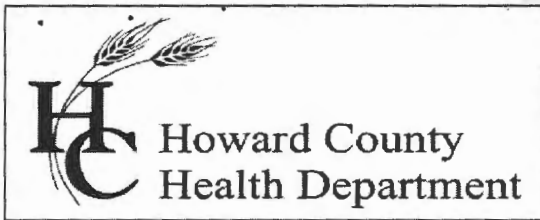
*Gary E. Lane*  
 Gary E. Lane P.L.S.



**MARYLAND LAND SURVEYING**  
 CONSULTING LAND SURVEYORS AND PLANNERS  
 9890 LYON AVENUE  
 LAUREL, MARYLAND 20723  
 (301) 206-2258

Approved For Private Water and Private Sewerage Systems  
 \_\_\_\_\_  
 Health Officer, Howard County Health, Dept. Date

SCALE 1" = 50'	DWG. BY G.E.L.	CASE No.
LIBER 6328 FOLIO 581	ELECTION DISTRICT 04	COUNTY HOWARD
PLAT BOOK PLAT NO.		DATE 07/24/17



## Bureau of Environmental Health

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

September 22, 2017

To: Joseph Gregory, Applicant

RE: Percolation Test Report; 2409 Millers Mill Road (Tax Map 14, Parcel 107)

Percolation testing at 2409 Millers Mill Road was conducted on September 7, 2017. A total of 4 test locations and/or soil profile observations were dug in an attempt to define a sewage disposal area (SDA) on the subject property. The SDA is required in support of a building permit for an addition to the existing house.

Locations of percolation tests that 'PASS' are used to define the sewage disposal areas (SDA) proposed on the Percolation Certification Plan. All percolation test locations, percolation test results, and suitable area for wastewater discharge are certified by the Approving Authority's signature of the Percolation Certification Plan. All percolation test locations must be field located and the respective elevations documented on a Percolation Certification Plan. Field run topography in and around the proposed SDA is required for certification.

Prior to excavating percolation test pits, two previously dug test pits ('A' and 'B', 9/15/2016) were located and two trenches installed in 2016 were located. Both 'A' and 'B' PASS. It was determined that location 'D' would not be dug as it is only about 25 feet from location 'A'.

The elevated area along the west boundary of the property was determined to be deep 'fill', unusable for wastewater disposal. A swale is formed by the mound of fill, and a 25-foot setback must be observed from the centerline of the swale. These conditions eliminate much of the area on the subject property west of the existing trenches.

Initially two test pits ('C' and 'E') were dug in an attempt to expand on the area currently occupied by the two recently installed trenches. Both locations FAIL, as the soil profiles were truncated by rock at 2 feet to 4 feet depth.

Area enough for at least one replacement drainfield is needed, therefore other portions of the property were considered for testing. At the time, it was thought that a well (HO-94-3288) in the pipestem to the neighbor's residence (to the north) may not be in use and potentially could be sealed. Two test pits ('F' and 'G') were dug in the area within 100 feet of this well. Both of these locations 'PASS', however, for the area to be usable for wastewater discharge the well will have to be sealed.

Except for location 'G', portions of the subject property within 100 feet of the well that serves the subject property, were not tested. Other than sealing the neighboring well (which may not be feasible), options for defining an SDA on the subject property that remain include (a) marking the north property line and testing between the existing trenches and the north property line, or (b) determining alternate well locations for the subject property and testing outside the 100-foot setback to those locations. The latter option was considered onsite and only one well potential well location could be identified. This latter option would also entail greater cost as a new well would have to be installed and the existing well sealed.

The existing well was observed on the day of percolation testing. The existing well is in an anteroom at the southeast corner of the house foundation. It is about 3.5 feet beyond the outside plane of the house wall. The top of the well casing is about 6 to 8 inches above the level of the foundation floor and appears to be in fair-to-good condition. Should replacement trench area (i.e., SDA) be found beyond 100 feet from this well, a variance request to Maryland Department of the Environment will be considered to allow the distance from the existing well to the proposed addition to be less than 30 feet but greater than 20 feet. Should the variance be allowed, there will be a requirement for the well casing to be extended to at least 8 inches above the grade and a pitless adapter installed in the casing.

Summarizing the issues relative to the current building permit proposal (B17001884): a Percolation Certification Plan with adequate repair area will have to be signed by the Approving Authority, the variance request will have to be approved by MDE, and the existing well will have to be upgraded or a new well installed and approved, and any wells that are required to be sealed will have to be sealed by a Licensed Well Driller and the Well Abandonment Report(s) received and approved by the Health Department. With completion of these aforementioned items, consideration for approval of B17001884 by the Health Department will be possible.

If you have any questions regarding this evaluation or requirements for a Percolation Certification Plan, please contact me by email or by calling (410) 313-2691.

Respectfully,



Robert Bricker, CPSS, REHS/RS, L.E.H.S.

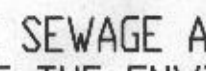
Environmental Sanitarian II

Well and Septic Program






Enclosures (4): mark-up of 'Revised Perc Cert Plan', November 2016 installation sketch, September 2016 perc test sketch, September 2017 perc test results

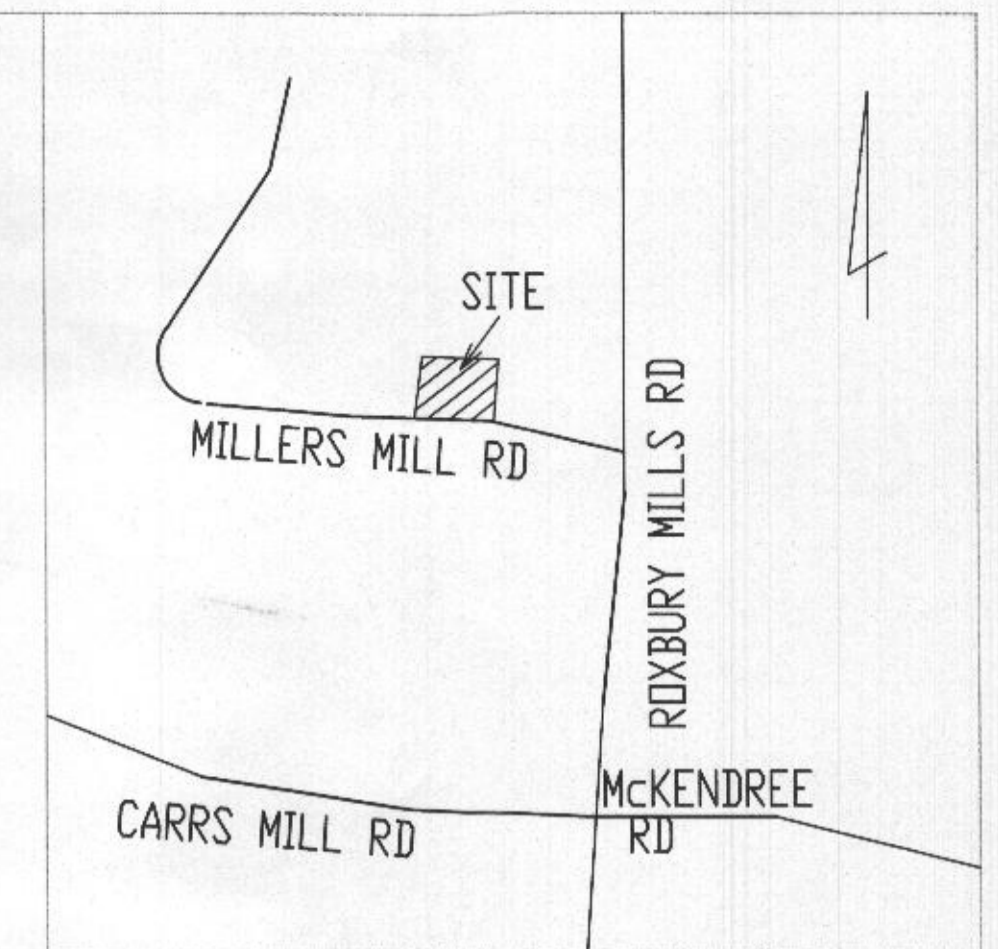
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GENERAL NOTES

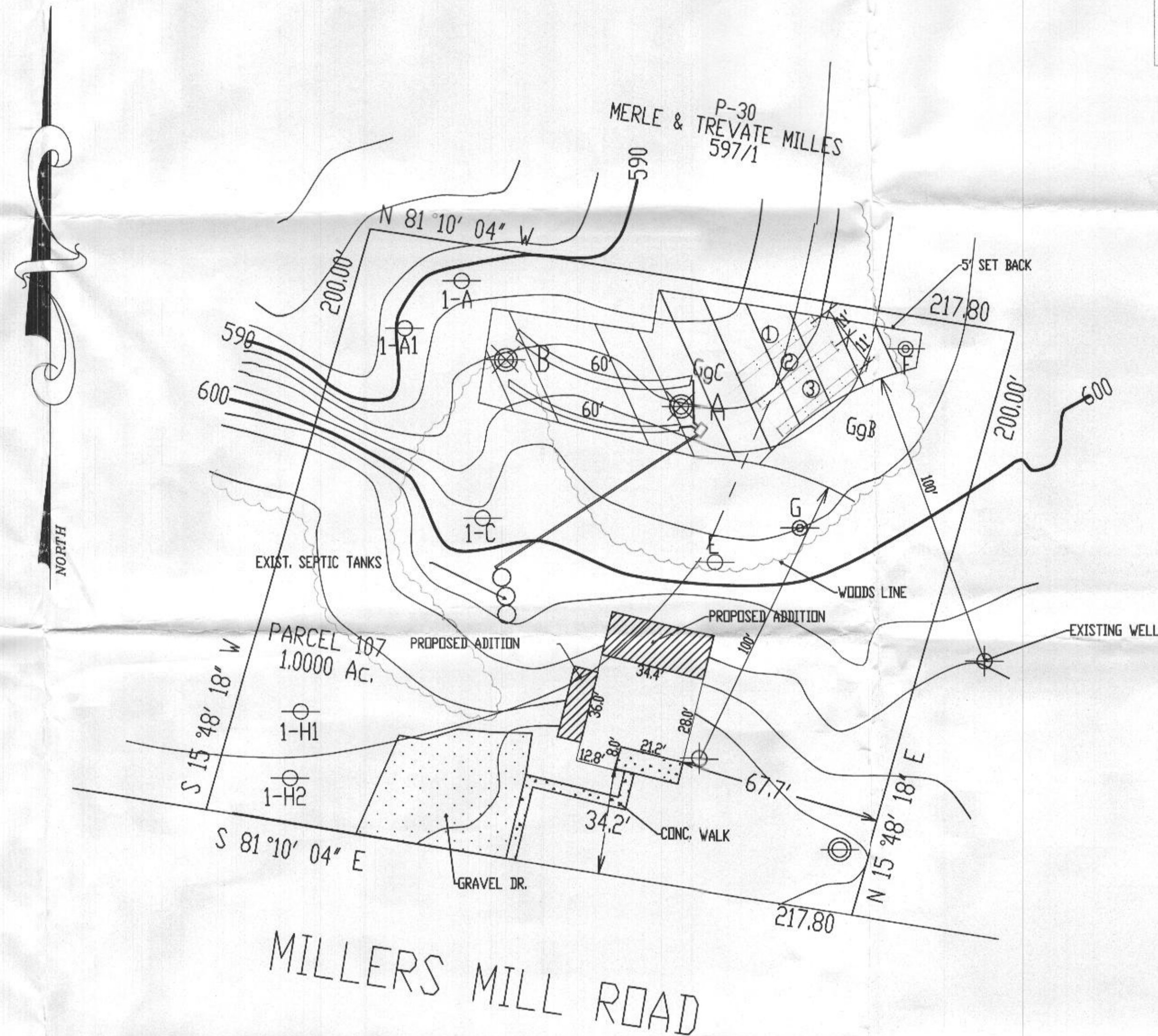
- 1) THERE IS NO GRADING ON THIS SITE.
- 2) DISTURBED AREA FOR THIS SITE IS 702 SQ.FT.
- 3) SITE ZONING IS RC-DE0.
- 4) THE PURPOSE OF THIS SURVEY TO SHOW EXISTING SITE CONDITIONS AND LOCATIONS FOR THE HOUSE ADDITIONS.
- 5) PERC HOLE TEST PERFORMED ON 9/15/16 PER FOGLE'S SEPTIC CLEAN INC.
- 6) THE AREA  DESIGNATES A PRIVATE SEWAGE AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THESE AREAS 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.
- 7) ANY CHANGES TO A PRIVATE SEWAGER AREA SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
- 8) THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP, WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
- 9) EXISTING WELLS, SEPTIC SYSTEMS, AND SEWAGE DISPOSAL AREA WITHIN 100' OF THE PROPERTY AND THOSE WELLS WITHIN 200' DOWN GRADIENT OF EXISTING OR PROPOSED SEPTIC SYSTEMS OR SEWAGE DISPOSAL AREA HAVE BEEN SHOWN.
- 10) TOPOGRAPHY SHOWN IS AT TWO FOOT CONTOUR INTERVALS ( ONE FOOT INTERVALS ARE REQUIRED FOR MOUND SYSTEMS AND SYSTEMS WITH PIPE DEPTH LESS THAN TWO FEET ) AND HAS BEEN FIELD VERIFIED OR FIELD RUN.
- 11) ANY CHANGES TO A PRIVATE SEWAGE AREA SHALL REQUIRE A REVISED PERC CERTIFICATION PLAN.
- 12) AN ADVANCED PRE-TREATMENT SYSTEM, WHICH UTILIZES BEST AVAILABLE TECHNOLOGY TO PERFORM NITROGEN REDUCTION, HAS BEEN INSTALLED ON THE SEPTIC SYSTEM LOCATED AT 2409 MILLERS MILL ROAD.
- 13) THE SUBJECT PROPERTY HAS A LIMITATION OF FIVE (5) BEDROOMS UNLESS AN EXHIBIT PRESENTED BY CERTIFIED PROFESSIONAL DEMONSTRATES THAT THE APPROVED SEWAGE DISPOSAL AREA WILL ACCOMMODATE THE WASTEWATER DISCHARGE FOR A RESIDENCE HAVING MORE THAN 4 BEDROOMS.
- 14) A WAIVER IS REQUESTED TO REDUCE THE SETBACK FROM THE SEWAGE DISPOSAL AREA TO THE BACK PROPERTY TO 5 FEET AS ILLUSTRATED HEREON. AT THE TIME THAT INSTALLATION OF REPAIR TRENCHES IS NEEDED, THE HEALTH DEPARTMENT MAY REQUIRE THAT THE BACK PROPERTY LINE BE MARKED BY A LICENSE REGISTERED MARYLAND STATE SURVEYORS.
- 15) THE CASING OF THE EXISTING WELL MUST BE EXTENDED TO MEET CODE REQUIREMENT, AND A PITLESS ADAPTER FITTED TO IT, PRIOR TO HEALTH DEPARTMENT APPROVAL OF THE BUILDING PERMIT FOR AN ADDITION TO THE RESIDENCE.

LEGEND

1.  THIS SYMBOL DESIGNATES A PASSED TEST PIT.
2.  THIS SYMBOL DESIGNATES A FAILED TEST PIT.
3.  THIS SYMBOL DESIGNATES AN EXISTING WELL.
4.  THIS SYMBOL DESIGNATES ALTERNATE WELL LOCATION.
5.  THIS SYMBOL DESIGNATES TEST PERFORMED ON 09/15/16. PER FOGLE'S SEPTIC CLEAN INC.



VICINITY MAP



REPAIR TRENCH DATA & SIZING

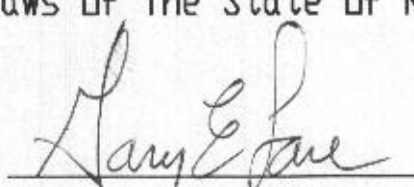
TRENCH	APPLICATION RATE	EX. GROUND ELEVATION	INVERT ELEVATION	BOTTOM OF TRENCH EL.	TRENCH LENGTH	TRENCH WIDTH
1	1.2	593.6	589.6	583.1	30.0'	3.0'
2	1.2	594.2	591.2	583.7	30.0'	3.0'
3	1.2	595.8	591.8	585.3	30.0'	3.0'


SOILS TABLE

SYMBOL	RATING	NAME	K FACTOR	SOIL MAP #
GgB	(B)	GLENELG LOAM, 3-8% SLOPES.	.20	20
GgC	(B)	GLENELG LOAM, 8-15% SLOPES.	.20	20

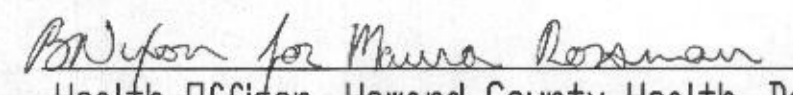
REVISED PERCOLATION CERTIFICATION PLAN

I Hereby Certify That These Documents Were Prepared By Me and That I Am a Duly Licensed Property Line Surveyor Under The Laws Of The State Of Maryland, License No. 574, exp Date 03/21/19.

  
Gary E. Lane P.L.S.      11/13/17 Date



Approved For Private Water and Private Sewerage Systems

  
Maura Roman  
Health Officer, Howard County Health, Dept.      12/6/2017 Date

SCALE 1" = 30'	DWG. BY G.E.L.	CASE No.
LIBER 6328 FOLIO 581	ELECTION DISTRICT 04	COUNTY HOWARD
PLAT BOOK PLAT NO.		DATE 11/19/17

OWNER / DEVELOPER  
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 2409 MILLERS MILL ROAD  
 COOKSVILLE, MD 21723  
 443-745-1940

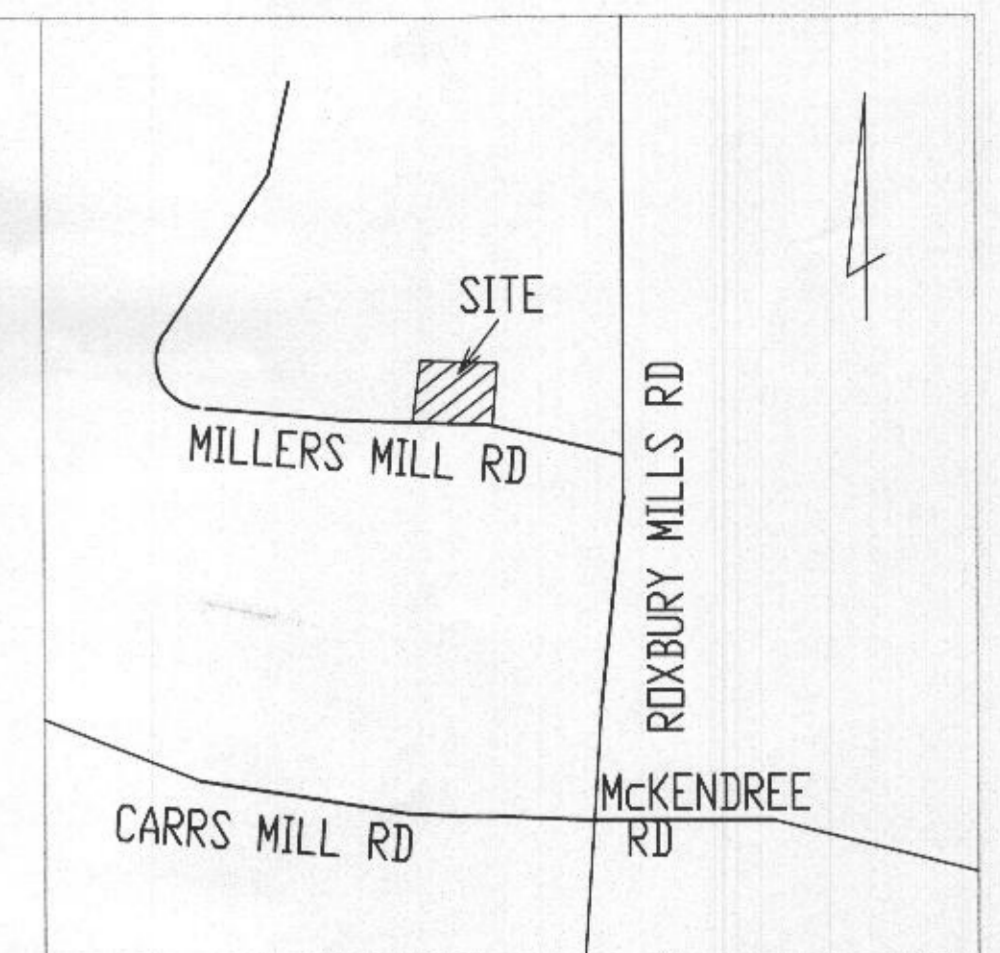
MARYLAND LAND SURVEYING  
 CONSULTING LAND SURVEYORS AND PLANNERS  
 9890 LYON AVENUE  
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GENERAL NOTES

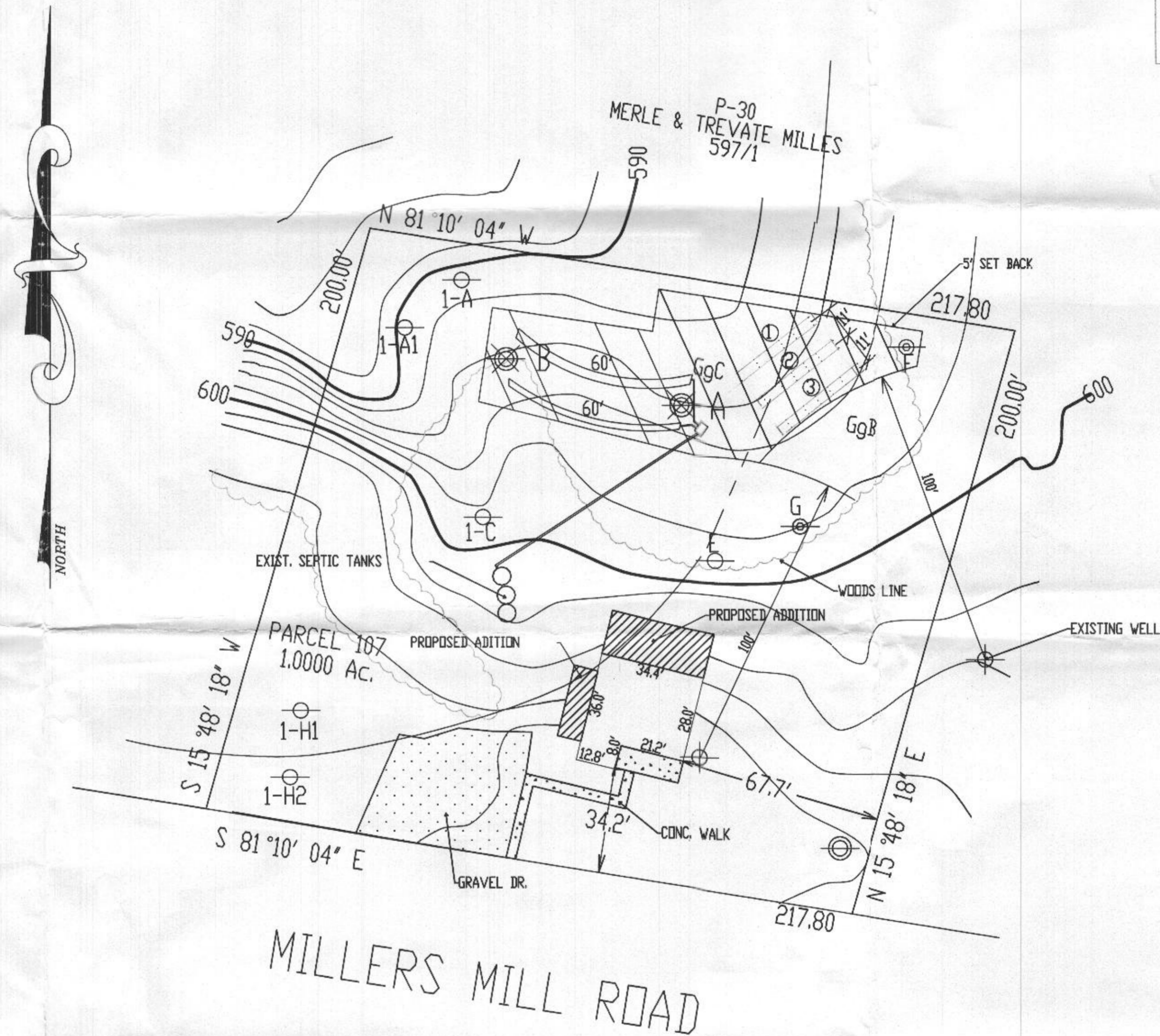
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- 7) ANY CHANGES TO A PRIVATE SEWAGE AREA SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
- 8) THE LOT SHOWN HEREIN COMPLIES WITH THE MINIMUM OWNERSHIP, WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
- 9) EXISTING WELLS, SEPTIC SYSTEMS, AND SEWAGE DISPOSAL AREA WITHIN 100' OF THE PROPERTY AND THOSE WELLS WITHIN 200' DOWN GRADIENT OF EXISTING OR PROPOSED SEPTIC SYSTEMS OR SEWAGE DISPOSAL AREA HAVE BEEN SHOWN.
- 10) TOPOGRAPHY SHOWN IS AT TWO FOOT CONTOUR INTERVALS ( ONE FOOT INTERVALS ARE REQUIRED FOR MOUND SYSTEMS AND SYSTEMS WITH PIPE DEPTH LESS THAN TWO FEET ) AND HAS BEEN FIELD VERIFIED OR FIELD RUN.
- 11) ANY CHANGES TO A PRIVATE SEWAGE AREA SHALL REQUIRE A REVISED PERC CERTIFICATION PLAN.
- 12) AN ADVANCED PRE-TREATMENT SYSTEM, WHICH UTILIZES BEST AVAILABLE TECHNOLOGY TO PERFORM NITROGEN REDUCTION, HAS BEEN INSTALLED ON THE SEPTIC SYSTEM LOCATED AT 2409 MILLERS MILL ROAD.
- 13) THE SUBJECT PROPERTY HAS A LIMITATION OF FIVE (5) BEDROOMS UNLESS AN EXHIBIT PRESENTED BY CERTIFIED PROFESSIONAL DEMONSTRATES THAT THE APPROVED SEWAGE DISPOSAL AREA WILL ACCOMMODATE THE WASTEWATER DISCHARGE FOR A RESIDENCE HAVING MORE THAN 4 BEDROOMS.
- 14) A WAIVER IS REQUESTED TO REDUCE THE SETBACK FROM THE SEWAGE DISPOSAL AREA TO THE BACK PROPERTY TO 5 FEET AS ILLUSTRATED HEREIN. AT THE TIME THAT INSTALLATION OF REPAIR TRENCHES IS NEEDED, THE HEALTH DEPARTMENT MAY REQUIRE THAT THE BACK PROPERTY LINE BE MARKED BY A LICENSE REGISTERED MARYLAND STATE SURVEYORS.
- 15) THE CASING OF THE EXISTING WELL MUST BE EXTENDED TO MEET CODE REQUIREMENT, AND A PITLESS ADAPTER FITTED TO IT, PRIOR TO HEALTH DEPARTMENT APPROVAL OF THE BUILDING PERMIT FOR AN ADDITION TO THE RESIDENCE.

LEGEND

1. [Symbol] THIS SYMBOL DESIGNATES A PASSED TEST PIT.
2. [Symbol] THIS SYMBOL DESIGNATES A FAILED TEST PIT.
3. [Symbol] THIS SYMBOL DESIGNATES AN EXISTING WELL.
4. [Symbol] THIS SYMBOL DESIGNATES ALTERNATE WELL LOCATION.
5. [Symbol] THIS SYMBOL DESIGNATES TEST PERFORMED ON 09/15/16, PER FOGLE'S SEPTIC CLEAN INC.



VICINITY MAP



REPAIR TRENCH DATA & SIZING

TRENCH	APPLICATION RATE	EX. GROUND ELEVATION	INVERT ELEVATION	BOTTOM OF TRENCH EL.	TRENCH LENGTH	TRENCH WIDTH
1	1.2	593.6	589.6	583.1	30.0'	3.0'
2	1.2	594.2	591.2	583.7	30.0'	3.0'
3	1.2	595.8	591.8	585.3	30.0'	3.0'

SOILS TABLE

SYMBOL	RATING	NAME	K FACTOR	SOIL MAP #
GgB	(B)	GLENELG LOAM, 3-8% SLOPES.	.20	20
GgC	(B)	GLENELG LOAM, 8-15% SLOPES.	.20	20

REVISED PERCOLATION CERTIFICATION PLAN

I Hereby Certify That These Documents Were Prepared By Me and That I Am a Duly Licensed Property Line Surveyor Under The Laws Of The State Of Maryland, License No. 574, exp Date 03/21/19.

*Gary E. Lane*  
 Gary E. Lane P.L.S.  
 Date 11/13/17

*Barbara Roseman*  
 Health Officer, Howard County Health, Dept.  
 Date 12/6/2017



SCALE 1" = 30'	DWG. BY G.E.L.	CASE No.
LIBER 6328 FOLIO 581	ELECTION DISTRICT 04	COUNTY HOWARD
PLAT BOOK PLAT NO.		DATE 11/19/17

OWNER / DEVELOPER  
 CHERYL R. MILES  
 2409 MILLERS MILL ROAD  
 COOKSVILLE, MD 21723  
 443-745-1940

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