



APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____

AP 545025

AGENCY REVIEW: _____

DATE 5-8-13

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 UNKNOWN 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) TOM & KIM MONROE

DAYTIME PHONE (301) 776-8256 CELL (301) 335-4653 FAX _____

MAILING ADDRESS 12671 LIME KILN ROAD FULTON MD 20759
STREET CITY/TOWN STATE ZIP

APPLICANT TOM & KIM MONROE

DAYTIME PHONE (301) 776-8256 CELL (301) 335-4653 FAX _____

MAILING ADDRESS 12671 LIME KILN ROAD FULTON MD 20759
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION
SUBDIVISION/PROPERTY NAME LIME KILN / BROWN'S BRIDGE ROAD LOT NO. _____

PROPERTY ADDRESS LIME KILN / BROWN'S BRIDGE ROAD FULTON, MD
STREET TOWN/POST OFFICE STATE

TAX MAP PAGE(S) 40 GRID 23 PARCEL(S) 244 (2ND PARCE) PROPOSED LOT SIZE 1.3 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.

Thomas H. Monroe / Kim Monroe
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

A/P _____

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H

REMARKS _____

SANITARIAN _____ BACKHOE _____ OTHERS _____

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

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

AVP _____

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H

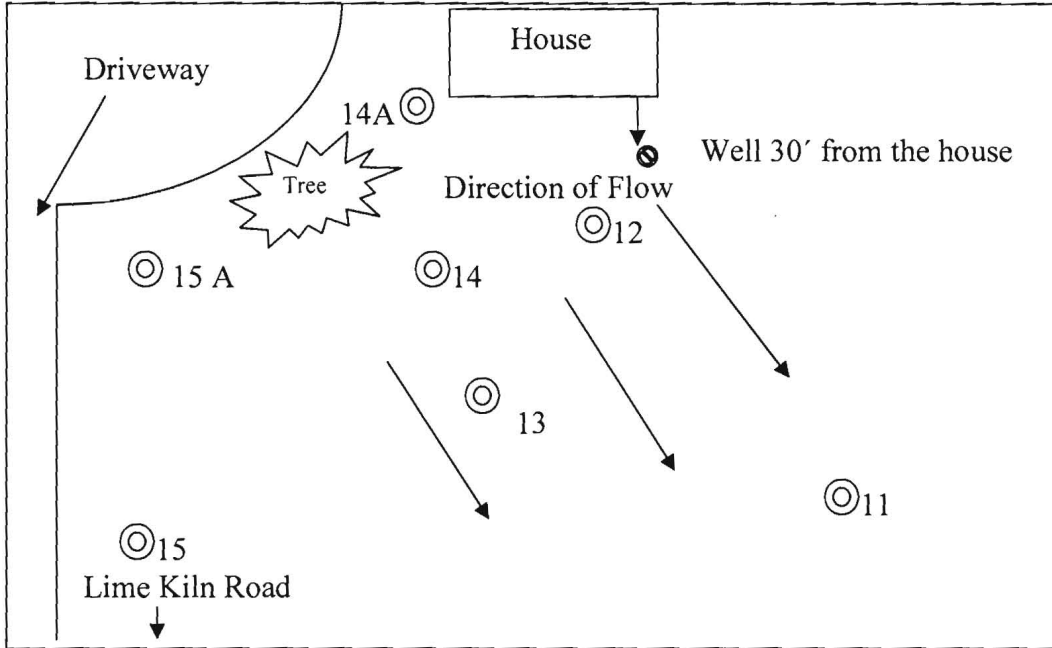
REMARKS _____

SANITARIAN _____ BACKHOE _____ OTHERS _____

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

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

NOT TO SCALE



#11
 2sbk, Dk. Gray Black SCL
 -----0.5'
 Red-Brown SCL Dense
 ↓
 20-30% RX Modeling at 7'
 -----7'
 Red Brown SCL
 Much Mica H2O in the Bottom
 Refusal @ 8'
 -----8'

14
 2sbk, Dk. Brn SCL
 -----0.5'
 Red-Brown SCL Dense
 10-20% RX Many Mica
 -----4'
 Red-Brown Yellow SL
 10-20% RX Many Mica
 -----8'
 Red Brown Yellow SL
 @9' Moist H2O @13'
 -----14'

12
 2sbk, Dk. Brn Black SCL
 -----0.5'
 Red-Brown SCL Dense
 -----3'
 Red Brown SL Many Mica
 5-10% RX Moist at 10'
 -----11'
 Red Brown SL
 H2O @ 11'
 -----14'

14A
 2sbk, Dk. Gray Black SCL
 -----0.5'
 Red-Brown SCL
 -----2'
 Red-Brown Yellow SL
 Much Mica 5% - 10% Rx
 Shale @12'
 H2O seeping in @14'
 -----14'

Date	Test	Depth	Start	Break 1" Drop	Break 2" Drop	Time of 2 nd Inch	P/F/H
5-13-14	11	8	Refusal	@8'			Fail
5-13-14	12	4' / 14'	10:18	10:23	10:27	4 min.	Pass
5-13-14	13	4' / 14'	10:41	10:49	10:58	9 min.	Pass
5-13-14	14	4.5' / 13'	10:05	10:10	10:19	9 min.	Pass
5-13-14	14A	4' / 14'	11:17	11:19	11:22	3 min.	Pass
5-13-14	15	4.5 / 14	10:29	11:02	Not to second peg	No Buffer	Fail #
5-13-14	15A	4' / 14'	11:06	11:14	11:31	17 min.	Pass

13
 2sbk, Dk. Brn SCL
 -----0.5'
 Red-Brown SCL Dense
 -----3'
 Red-Brown Yellow SL Silty
 10-20% RX Many Mica
 -----10'
 Red Brown Yellow SL
 Moist@13'
 H2O in the Bottom

15
 2sbk, Dk. Gray Black SCL
 -----0.5'
 Red-Brown SCL Dense
 Much Mica
 -----4.5'
 Red-Brown Yellow SL
 Many Mica 5-10% RX
 Silty and Moist @9'
 H2O@13'
 H2O in the Bottom

Remarks: Perc holes must be surveyed on Percolation Certification Plan.
 Cannot use Percolation holes #11 and #15 due to failure. Well must be abandoned to established area. New well must be drilled.

Sanitarian D. Bernard Backhoe Others

Test Holes Used in 5 in SDA Avg. Perc Time 8 min. SQ.FT/BR

Trench Width 3' Inlet Depth 4' Max Bot. Depth 6' Effective S/W 2



APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

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- 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 _____ PROPOSED BEDROOMS IN THE COMPLETED STRUCTURE (NOTE **UNKNOWN** IF APPROPRIATE)
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- INSTITUTIONAL/GOVERNMENT (PROVIDE DETAIL OF NUMBERS AND TYPES OF EMPLOYEES/USERS ON ACCOMPANYING PLAN)

PROPERTY OWNER(S) TOM & KIM MONROE

DAYTIME PHONE (301) 776-8256 CELL (301) 335-4653 FAX _____

MAILING ADDRESS 12671 LIME KILN ROAD FULTON, MD 20759
STREET CITY/TOWN STATE ZIP

APPLICANT TOM & KIM MONROE

DAYTIME PHONE (301) 776-8256 CELL (301) 335-4653 FAX _____

MAILING ADDRESS 12671 LIME KILN ROAD FULTON, MD 20759
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION
SUBDIVISION/PROPERTY NAME 12671 LIME KILN ROAD LOT NO. —

PROPERTY ADDRESS 12671 LIME KILN ROAD
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 40 GRID 23 PARCEL(S) 244 (1st PARCEL) PROPOSED LOT SIZE 8.45 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.

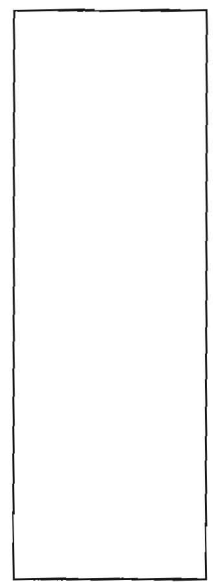
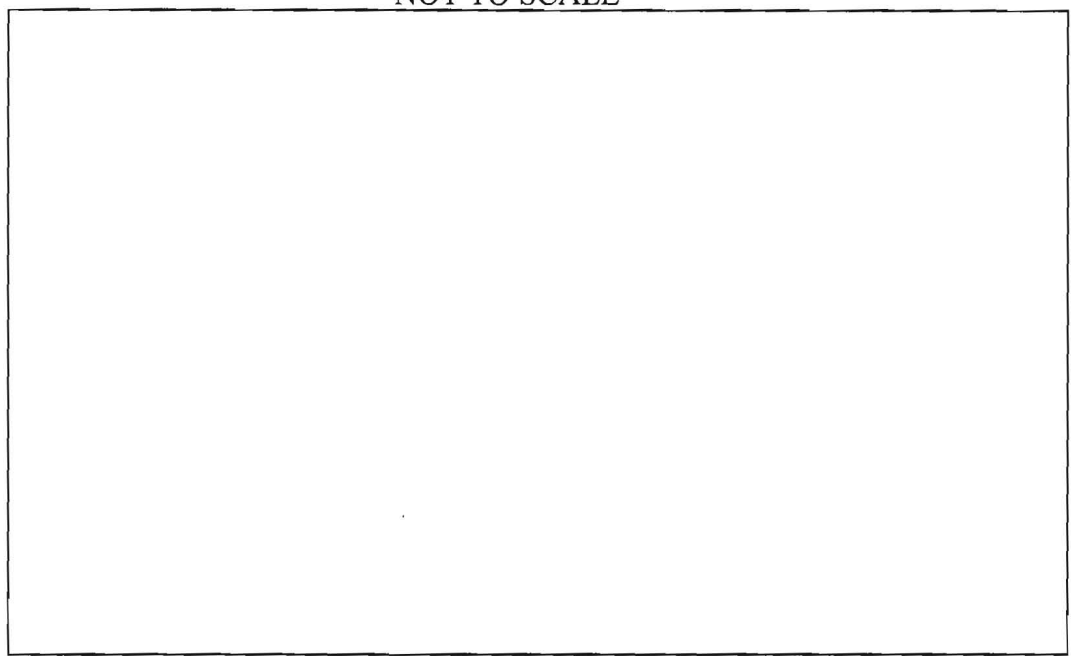
TEST RESULTS WILL BE MAILED TO APPLICANT. Kim Monroe
SIGNATURE OF APPLICANT

HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM
1718 COLUMBIA GATEWAY DRIVE COLUMBIA, MARYLAND 21046 (410) 313-2640 FAX (410) 313-2648
TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH

NOT TO SCALE

15 A

2sbk , Dk.
 Gray
 Black SCL
 -----0.5'
 Red-Brown
 SCL
 -----3'
 Red Brown
 Yellow
 SL Medium
 Much Mica
 5-10% RX
 -----10'
 Red Brown
 SL
 Moist@10'
 H2O in the
 Bottom @14'
 -----14'



Date	Test	Depth	Start	Break 1" Drop	Break 2" Drop	Time of 2 nd Inch	P/F/H
5-13-14	15A	4' / 14'	11:06	11:14	11:30	3 min.	Pass

Remarks: __ Perc holes must be surveyed on Percolation _Certification Plan.
 Cannot use Percolation holes #11 and #15 due to failure. Well must be
 abandoned to established area. New well must be drilled.

Sanitarian _D.Bernard_____ Backhoe __ Others__ __

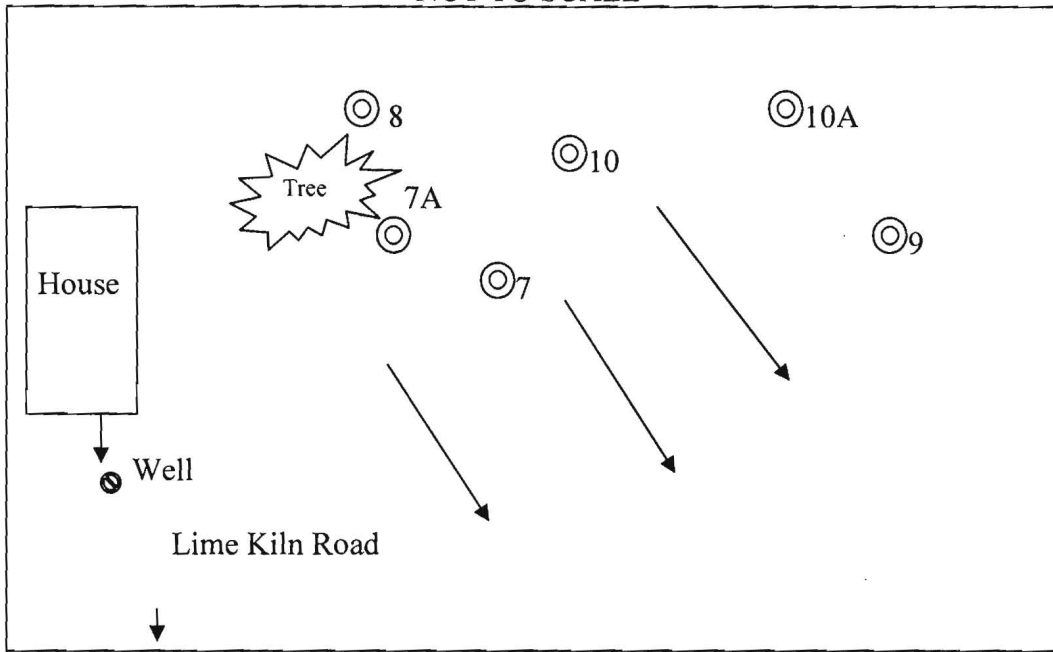
Test Holes Used in _5_ in SDA _ Avg. Perc Time __ 8 min. __ SQ.FT/BR __

Trench Width _3'_ Inlet Depth _4'_ Max Bot.Depth _6'_ Effective S/W _2_

A 545025_ Percolation Information- 12671 Lime Kiln Road-Lot 2

NOT TO SCALE

#7
 2sbk , Dk. Gray
 Black SCL
 -----0.5'
 Red-Brown SCL
 Dense
 -----2.5'
 Red Brown SL
 Much Mica
 -----11'
 Red Brown Yellow SL
 Moist @12
 H2O @ 13' and in the bottom,
 -----14'



9
 2sbk , Dk. Brn SCL
 -----0.5'
 Red-Brown SCL Dense
 10-20% RX
 Many Mica
 -----2'
 Red-Brown Yellow FSL
 Shist @ 7
 H2O seeping in @ 8'
 H2O in the bottom @9
 -----9'

7A
 2sbk , Dk. Brn Black SCL
 -----0.5'
 Red-Brown SCL Dense
 -----3'
 Red Brown Yellow SL
 Many Mica
 20-30% RX and Shale
 ↓
 -----14'

Date	Test	Depth	Start	Break 1" Drop	Break 2" Drop	Time of 2 nd Inch	P/F/H
5-13-14	7	4' / 14'	11:48	11:50	11:55	5 min.	Pass
5-13-14	7A	4' / 14'	12:40	12:54	1:21	27 min.	Pass
5-13-14	8	4' / 12'	12:53	1:05	1:23	18 min.	Pass
5-13-14	9	3.5' / 9'	12:23	12:25	12:26	1 min.	No Buffer
		Repour	12:21	12:22	12:23	1 min.	Fail
5-13-14	10	4' / 14'	12:02	12:12	12:19	7 min	Pass
5-13-14	10A	3.5' / 14'	12:53	1:05	1:23	18 min.	Pass

10
 2sbk , Dk. Gray Black SCL
 -----0.5'
 Red-Brown SCL
 -----2'
 Red-Brown Yellow SL
 Much Mica
 Manganese Deposits at 10'
 ↓
 10-20% RX H2O seeping in @14'
 14'

8
 2sbk , Dk. Brn SCL
 -----0.5'
 Red-Brown SCL Dense
 -----3'
 Red-Brown Yellow SL
 10-20% RX
 Many Mica
 -----8'
 Red Brown Yellow SL
 10-20%Shale @8'
 20-30% Shale @12
 -----12'

10A
 2sbk , Dk. Gray Black SCL
 -----0.5'
 Red-Brown SCL
 Much Mica
 -----2'
 Red-Brown Yellow SL
 Many Mica
 5-10% RX
 H2O in the Bottom @14'
 -----14'

Remarks: Perc holes must be surveyed on Percolation Certification Plan.
 Area was modified to get percolation testing area. Several proposed percs were located in a swale. Cannot use Percolation hole #9 due high water table. Well must be abandoned to established area. New well must be

Sanitarian D.Bernard Backhoe Others

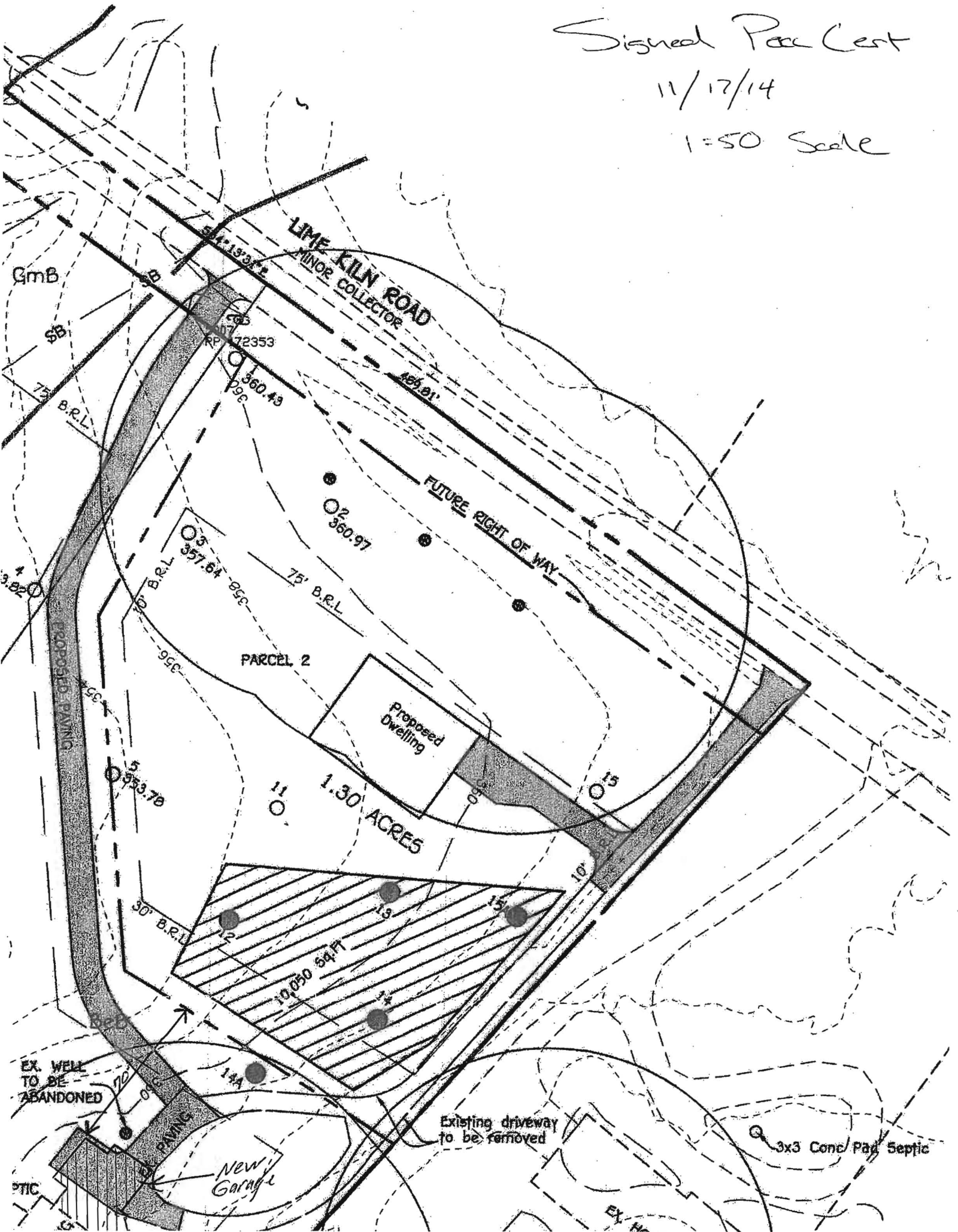
Test Holes Used in 5 in SDA Avg. Perc Time 1min. SQ.FT/BR

Trench Width 3' Inlet Depth 4' Max Bot.Depth 6' Effective S/W 2

Signed Per Cent

11/17/14

1=50 Scale





Bureau of Environmental Health

8930 Stanford Blvd., 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., Acting Health Officer

Date: May 19, 2014

To: Mrs. Kim Monroe
12671 Lime Kiln Road
Fulton, Maryland 20759
Via E-mail: mdmonroes@gmail.com

CC: Stephanie Tuite, FCC
Via E-mail: stephanie@fcc-eng.com

RE: **Percolation Testing Report
12671 Lime Kiln Road**

Mrs. Monroe,

Percolation testing was conducted on the referenced property on May 13, 2014. The purpose for conducting these percolation tests was for an anticipated establishment of new sewage disposal area and to establish a sewage disposal area for the existing house. The new disposal area for the house will be used to redesign septic area to accommodate an addition.

A total of thirteen (13) test holes were evaluated and ten (10) were found to be satisfactory with moderate percolation rates. Three test hole where not acceptable due to high water table. Acceptable ranges for recommended inlet and trench bottom depth may be confirmed at the time of installation. There was no evidence of failure on the existing lot and the current absorption system is not adequately sized to accommodate an addition. Additions where the existing system is not adequate and needs to be upgraded will require the "Best Available Technology". The existing tank and trenches will have to be abandoned by a licensed septic installer. Due to the location of the newly established passed percs the well with have to be abandoned and a new well will have to be drilled. 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. Areas that may be included in a septic reserve are represented by test locations having satisfactory soil conditions. The area of the septic reserve must be at least 10,000 square feet, though Howard County Code [3.805.A.2.X] requires that the area be large enough to accommodate an initial drain field and two repair drain fields for the planned residence.

The next step in this process is to have your engineer/architect submit a Percolation Certification Plan to confirm the design of the septic reserve area. **Please make sure that the percolation testing sites are field located and verified.** If you have any questions regarding this evaluation or requirements for the Percolation Certification Plan, please contact me at the above address or by telephone at (410) 313-2775.

Respectfully,

A handwritten signature in cursive script that reads 'Dana Bernard'.

Dana Bernard, REHS/RS
Environmental Sanitarian II
Well and Septic Program

Enclosures (3)

Cc: File

**FISHER, COLLINS
& CARTER, INC.**

**CIVIL ENGINEERING CONSULTANTS
and LAND SURVEYORS**

Terrell A. Fisher, P.E., L.S.
Earl D. Collins, P.E.
Charles J. Crovo, Sr., P.E., L.S.

Paul W. Kriebel, P.E.
Mark L. Robel, P.L.S.
Aldo M. Vitucci, P.E.

May 8, 2013

Mr. Michael J. Davis
Assistant Director
Bureau of Environmental Health
Howard County Health Dept.
7178 Columbia Gateway Dr.
Columbia, MD 21046-4544

RE: Percolation Application
Lime Kiln Road
(2nd Parcel – TM 40, Parcel 244)

Dear Mike:

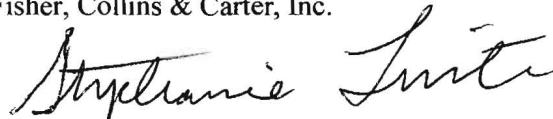
On behalf of our clients, Tom and Kim Monroe, we are submitting the following package:

- 1). Two (2) print copies of a plan entitled "Percolation Test Plan – Lime Kiln Road" sheet 1 of 1 dated May 8, 2013.
- 2). Original signed Application for Percolation Testing.
- 3). One (1) set of deeds.
- 4). Check payable to the Howard County Health Department in the amount of \$506.00.

Please note that two parcels exist per the attached deeds. The 2nd parcel is planned to be reconfigured by Adjoiner Transfer as discussed by our clients with the Department of Planning and Zoning. Upon successful percolation testing, a waiver to reconfigure the parcel lines will be submitted for approval by the Department of Planning and Zoning. Upon approval of the waiver petition, the Perc Certification Plan will be submitted for signature.

Thank you for your time and consideration of this submission. If you should have any questions or comments, please do not hesitate to call.

Very truly yours,
Fisher, Collins & Carter, Inc.



Stephanie J. Tuite, RLA, PE, LEED AP BD&C

WO #13014-6001

c.c. Tom & Kim Monroe

Bernard, Dana

From: Stephanie Tuite [Stephanie@fcc-eng.com]
Sent: Tuesday, June 18, 2013 9:41 AM
To: Bernard, Dana
Subject: RE: 12671 Lime Kiln Road

Thanks.

Stephanie J. Tuite, RLA, PE, LEED AP BD&C
Fisher, Collins & Carter, Inc.

From: Bernard, Dana [mailto:dbernard@howardcountymd.gov]
Sent: Tuesday, June 18, 2013 9:39 AM
To: Stephanie Tuite
Subject: RE: 12671 Lime Kiln Road

Confirmed for the 16th at 9 am.

From: Stephanie Tuite [mailto:Stephanie@fcc-eng.com]
Sent: Tuesday, June 18, 2013 9:22 AM
To: Bernard, Dana
Subject: RE: 12671 Lime Kiln Road

Yes, please schedule the 16th. I have confirmed with the owner. 9am?
Steph

Stephanie J. Tuite, RLA, PE, LEED AP BD&C
Fisher, Collins & Carter, Inc.

From: Bernard, Dana [mailto:dbernard@howardcountymd.gov]
Sent: Monday, June 17, 2013 1:55 PM
To: Stephanie Tuite
Subject: RE: 12671 Lime Kiln Road

We received your new proposal on May 29, 2013 and it has been reviewed. My first available date is July 16, 2013. Let me know if this is a good day for you?

Thanks
Dana

From: Stephanie Tuite [mailto:Stephanie@fcc-eng.com]
Sent: Monday, June 17, 2013 10:35 AM
To: Bernard, Dana
Subject: 12671 Lime Kiln Road

Have you had a chance to take a look at the new proposal for 12671 Lime Kiln Road that we sent in 2.5 weeks ago? Do you have any potential test dates I can run by the owner to get an excavator scheduled?

Steph

Stephanie J. Tuite, RLA, PE, LEED AP BD&C

Fisher, Collins & Carter, Inc.

10272 Baltimore National Pike

Ellicott City, Maryland 21042

(410) 461-2855 x 1833

(410) 750-3784 (fax)

(410) 491-5962 (cell)

Stephanie@fcc-eng.com

Bernard, Dana

From: Bernard, Dana
Sent: Thursday, May 16, 2013 3:16 PM
To: 'Stephanie Tuite'
Subject: Lime Kiln Road Percolation Test Plan

Good Afternoon Stephanie,

After reviewing your test plan and the deed submitted, I discovered that the actual deeded 1.3 acre parcel is the light grey area off of Brown's Bridge Road. The area you are presenting on your plan for percolation testing is a new area on the 8.524 acre parcel. If your client will be subdividing the 8.524 acre parcel, the owner will have to do percolation testing to establish a 10,000 square foot septic area on the existing property. Therefore, we will have to collect an additional \$506 to complete percolation testing. Also you must submit a new percolation certification testing plan showing the new testing area on the existing property.

Dana Bernard, REHS/RS 
Environmental Specialist II
Bureau of Environmental Health
Well and Septic Program
Phone (410) 313-2775
E-mail: DBernard@howardcountymd.gov

Lakeview Title Company
DEED - PERSONAL REPRESENTATIVE
File No. 12-22462
Tax ID # 05 369037

1/2

000260

This Deed, made this 26th day of September, 2012, by and between MARTHA T. GIBBS, PERSONAL REPRESENTATIVE, of THE ESTATE OF LESTER A. TAYMAN, GRANTOR, and THOMAS H. MONROE and KIM MONROE, GRANTEES.

Whereas, on April 4, 2012, the Orphans' Court of Howard County, State of Maryland (the "Court") granted administration of the Estate of the Decedent to MARTHA T. GIBBS as Personal Representative of the Estate of the Decedent in Estate No. 23204.

Whereas, Grantor in the capacity as Personal Representative in the Estate of the Decedent has complete and full power and authority by law, to grant and convey the entire fee simple interest in the hereinafter described property; and

Whereas, as part of the administration of the Estate of the Decedent, Grantor desires to convey the entire fee simple estate in the hereinafter described property to the Grantees.

- **Witnesseth** -

That in consideration of the sum of Five Hundred Twenty Five Thousand Dollars 00/100 (\$525,000.00), which includes the amount of any outstanding Mortgage or Deed of Trust, if any, the receipt whereof is hereby acknowledged, the said Grantor as Personal Representative as the Estate of the Decedent, does hereby grant and convey to THOMAS H. MONROE and KIM MONROE, as tenants by the entirety unto the survivor of them, his or her heirs and assigns, in fee simple, all that lot of ground situate in the County of Howard, State of Maryland and described as follows, that is to say:

60
20
5250
2625

BEGINNING for the same at a stone heretofore set on the Southwestern edge of the thirty foot wide right-of-way of the county road known as the Lime Kiln Road, the said point being at the end of the fourth or North 53 degrees 15 minutes West 178 perches line of that land, the land herein described being a part thereof, which by deed dated May 8th, 1882, and recorded among the Land Records of Howard County in Liber No. 12, folio 139, etc., was granted and conveyed by Pennell Palmer and wife to Mary Ann Childs and leaving the said road and running with the fifth line, as now surveyed; thence (1) South 47 degrees 14 minutes West 741.87 feet to an iron pipe now set: thence running with the fifth line;

(2) North 71 degrees 26 minutes West 163.4 feet to the corner post of the existing fence at the end of the thirdly described line of that land which by deed dated November 3, 1962, and recorded among the said Land Records in Liber No. 392, folio 242, etc., was granted and conveyed by Guinevere Warfield, unmarried, to Quentin Jones and wife; thence running reversely with the third and second lines of the said conveyance to Jones;

(3) North 75 degrees 54 minutes West 154.61 feet to an iron pipe heretofore set; thence (4) North 53 degrees 54 minutes West 168.1 feet, passing over an iron pipe heretofore set on the Southeastern margin of the thirty foot wide right-of-way of the county road known as the Brown's Bridge Road; thence running with the road centerline and with the ninth or North 21 degrees 30 minutes East 10.3 perches line of the said Child's land; (5) North 27 degrees 56 minutes East 169.95 feet; thence leaving the said road and running with the center of a ditch and with the tenth to fifteenth lines, inclusively of the said conveyance to Childs; (6) North 76 degrees 27 minutes East 98.71 feet to an iron pipe now set; thence (7) South 89 degrees 24 minutes East 82.5 feet to an iron pipe now set; thence (8) North 88 degrees 54 minutes East 1000.00 feet to an iron pipe now set.

10/10/2012 12:06 PM Csh 0045 Reg 0048
T/Ref 0048056745 Grp 000001 R/Line 000001
01 - Main Location
\$2,625.00
Validation Number: 0048-061726
1000000000-1300-409910-1300000000-999999
9999999999
Parcel Number: 5369037
Doc Type: Deed
Doc No: 000001
Consolidation: 000001

minutes East 70.12 feet to an iron pipe now set; thence (9) North 84 degrees 36 minutes East 74.25 feet to an iron pipe now set; thence (10) North 21 degrees 6 minutes East 66 feet to a point in a swamp; thence (11) North 13 degrees 6 minutes East 136.12 feet to an iron pipe now set; thence running with a part of the sixteenth line; (12) North 33 degrees 9 minutes West 108.54 feet to a point in said road; thence along center of said road (13) North 51 degrees 17 minutes East 297.21 feet to a railroad spike now set in the centerline intersection of the Brown's Bridge Road, and the aforementioned Lime Kiln Road; thence running with the center of the Lime Kiln Road; (14) South 48 degrees 19 minutes East 491.49 feet to a nail now set; thence (15) South 47 degrees 14 minutes West 15 feet to the point of the beginning, containing 8.524 acres of land, more or less.

And

BEGINNING for the same at a point in the center of Brown's Bridge Road at the end of the fifth or North twenty-seven degrees fifty-six minutes East one hundred sixty-nine and ninety-five one-hundredths foot line of a deed dated evenly herewith from the said Roland Childs and Martha Clark Childs, his wife, to the said Lester A. Tayman and Mary J. Tayman, his wife, and intended to be recorded among the Land Records of Howard County prior hereto, and running thence with the 6th, 7th, 8th, 9th, 10th, 11th, and 12th lines of said deed, North 76 degrees 27 minutes East 98.71 feet to an iron pipe now set; thence South 89 degrees 24 minutes East 82.5 feet to an iron pipe now set; thence North 88 degrees 36 minutes East 70.12 feet to an iron pipe now set; thence North 84 degrees 36 minutes East 74.25 feet to an iron pipe now set; thence North 21 degrees 6 minutes East 66 feet to a point in a swamp; thence North 13 degrees 6 minutes East 136.12 feet to an iron pipe now set; North 33 degrees 9 minutes West 108.54 feet to a point in a said Road; thence running in a Southwesterly direction along the center line of said Brown's Bridge Road to the place of beginning, containing 1.30 acres, more or less.

BEING the fee simple property which, by Deed dated August 13, 1964 and recorded in the Land Records of the County of Howard, Maryland, in Liber 423, folio 27 was granted and conveyed by ROLAND CHILDS AND MARTHA CLARK CHILDS unto LESTER A. TAYMAN and MARY J. TAYMAN.

ALSO BEING the fee simple property which, by Deed dated August 13, 1964 and recorded in the Land Records of the County of Howard, Maryland, in Liber 423, folio 27 and in Liber 423, folio 31 was granted and conveyed by ROLAND CHILDS AND MARTHA CLARK CHILDS unto LESTER A. TAYMAN and MARY J. TAYMAN; said MARY J. TAYMAN, having departed this life on or about September 13, 1994 vesting title by operation of law unto LESTER A. TAYMAN, surviving tenant by the entirety; said LESTER A. TAYMAN, having departed this life on or about February 25, 2012, Estate No. 23204.

Together with the buildings and improvements thereon erected, made or being; and all and every, the rights, alleys, ways, waters, privileges, appurtenances and advantages thereto belonging, or in anywise appertaining.

To Have and To Hold the said tract of ground and premises above described and mentioned, and hereby intended to be conveyed, together with the rights, privileges, appurtenances and advantages thereto belonging or appertaining unto and to the proper use and benefit of the said THOMAS H. MONROE and KIM MONROE, as tenants by the entirety unto the survivor of them, his or her heirs and assigns, in fee simple.

And Grantor does hereby covenant to execute such further assurances of the same as may be requisite.

Witness the hand and seal of Grantor the day and year first above written.

Martha T. Gibbs, Personal Representative
By: MARTHA T. GIBBS, PERSONAL
REPRESENTATIVE
of THE ESTATE OF LESTER A.
TAYMAN

STATE OF MARYLAND } ss
COUNTY OF Howard

I hereby certify that on this 26 day of September, 2012 before me, the undersigned officer, a Notary Public in and for the State aforesaid, personally appeared MARTHA T. GIBBS, known to me or satisfactorily proven to be the person whose name is subscribed to the within instrument, and acknowledged herself or himself to be the Personal Representative of THE ESTATE OF LESTER A. TAYMAN and who, in my presence, signed and sealed the foregoing Deed and acknowledged it to be his/her act and deed as Personal Representative of the foregoing Estate, giving oath under penalties of perjury that the consideration recited herein is correct.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.

Mary Calder
MARY CALDER
NOTARY PUBLIC
HOWARD COUNTY
STATE OF MARYLAND
My commission expires March 18, 2014
Notary Public
My commission expires _____

THIS IS TO CERTIFY that the within Deed was prepared by, or under the supervision of the undersigned, an Attorney duly admitted to practice before the Court of Appeals of Maryland.

Kevin S. Yurmann
Kevin S. Yurmann, Attorney

AFTER RECORDING, PLEASE RETURN TO:
Lakeview Title Company
Suite 304
10025 Governor Warfield Parkwy
Columbia, MD 21044

ADT has certified this document for recording on 09/26/2012. This document is for recording only and does not constitute a deed or any other instrument. No warranty is made by ADT regarding the accuracy of the information provided. For more information, please contact ADT at 1-800-451-1111.

LB

OWNER OCCUPANCY AFFIDAVIT

THOMAS H. MONROE and KIM MONROE, the Grantees in the within Deed hereby certify under the penalties of perjury, as evidenced by the joinder herein, that the land conveyed in this Deed is residentially improved owner-occupied real property and that the residence will be occupied by us as my/our principal residence for at least seven (7) months of the twelve (12) month period immediately following the date of the attached Deed /Assignment.

<p>Witness</p> <p>_____</p> <p>Witness</p> <p>_____</p> <p>Witness</p> <p>_____</p> <p>Witness</p> <p>_____</p>	<p><i>Thomas H. Monroe</i></p> <p>THOMAS H. MONROE</p> <p><i>Kim Monroe</i></p> <p>KIM MONROE</p> <p>_____</p> <p>_____</p>
---	---

STATE OF MARYLAND, Howard COUNTY to wit:

I HEREBY CERTIFY, that on this 9/26/12 before me, the subscriber, a Notary Public of the State and County aforesaid, personally appeared THOMAS H. MONROE and KIM MONROE, the parties herein, known to me (or satisfactorily proven) to be the persons whose names are subscribed to the within instrument, and acknowledged the foregoing to be their act, and in my presence signed and sealed the same.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.

Mary Calder

Notary Public

My Commission Expires

MARY CALDER
NOTARY PUBLIC
HOWARD COUNTY
STATE OF MARYLAND
MY COMM. EXP. MARCH 18, 2014

2012
MARYLAND
FORM

**Certification of Exemption from Withholding Upon
Disposition of Maryland Real Estate
Affidavit of Residence or Principal Residence**

Based on the certification below, Transferor claims exemption from the tax withholding requirements of §10-912 of the Tax-General Article, Annotated Code of Maryland. Section 10-912 provides that certain tax payments must be withheld and paid when a deed or other instrument that effects a change in ownership of real property is presented for recordation. The requirements of §10-912 do not apply when a transferor provides a certification of Maryland residence or certification that the transferred property is the transferor's principal residence.

1. Transferor Information

Name of Transferor

THE ESTATE OF LESTER A. TAYMAN

2. Reasons for Exemption

Resident Status

Transferor, am a resident of the State of Maryland.
 Transferor is a resident entity as defined in Code of Maryland Regulations (COMAR) 03.04.12.02B(11), I am an agent of Transferor, and I have authority to sign this document on Transferor's behalf.

Principal Residence

Although I am no longer a resident of the State of Maryland, the Property is my principal residence as defined in IRC 121 and is recorded as such with the State Department of Assessments and Taxation.

Under penalty of perjury, I certify that I have examined this declaration and that, to the best of my knowledge, it is true, correct, and complete.

3a. Individual Transferors

Witness

Name

Signature

TRF TO SURE \$	40.00
RECORDING FEE	20.00
TR TAX COUNTY	5,250.00
TR TAX STATE	2,625.00
TOTAL	7,935.00
Rest HOE2	Rest \$ 70320
MDR NTN	\$ 585
Oct 10, 2012	03:17 PM

3b. Entity Transferors

Witness/Attest

THE ESTATE OF LESTER A. TAYMAN

Name of Entity

By *Martha T. Gibbs*

MARTHA T. GIBBS

Name

PERSONAL REPRESENTATIVE

Title

State of Maryland Land Instrument Intake Sheet

Baltimore City County: Howard
Information provided is for the use of the Clerk's Office, State Department of Assessments and Taxation, and County Finance Office Only.
(Type or Print in Black Ink Only--All Copies Must Be Legible)

Space Reserved for Circuit Court Clerk Recording Validation

1 Type(s) of Instruments
2 Conveyance Type Check Box
3 Tax Exemptions (if applicable)
Cite or Explain Authority

4 Consideration and Tax Calculations
Table with columns for Consideration Amount and Finance Office Use Only Transfer and Recordation Tax Consideration.

5 Fees
Table with columns for Amount of Fees, Doc. 1, and Doc. 2. Includes rows for Recording Charge, Surcharge, State Recordation Tax, State Transfer Tax, County Transfer Tax, and Other.

6 Description of Property
SDAT requires submission of all applicable information. A maximum of 40 characters will be indexed in accordance with the priority cited in Real Property Article Section 3-104(g)(3)(i).

7 Transferred From
Doc. 1 - Grantor(s) Name(s)
Doc. 2 - Grantor(s) Name(s)

8 Transferred To
Doc. 1 - Grantee(s) Name(s)
Doc. 2 - Grantee(s) Name(s)

9 Other Names to Be Indexed
Doc. 1 - Additional Names to be Indexed (Optional)
Doc. 2 - Additional Names to be Indexed (Optional)

10 Contact/Mail Information
Instrument Submitted By or Contact Person
Name: Pat Cronin
Firm: Lakeview Title Company
Address: Suite 304, 10025 Governor Warfield Parkway
Columbia, MD 21044 Phone: (410) 992-4447

11 Assessment Information
IMPORTANT: BOTH THE ORIGINAL DEED AND A PHOTOCOPY MUST ACCOMPANY EACH TRANSFER
Will the property being conveyed be the grantee's principal residence?
Does transfer include personal property? If yes, identify:
Was property surveyed? If yes, attach copy of survey (if recorded, no copy required).

Assessment Use Only - Do Not Write Below This Line
Table with columns for Terminal Verification, Agricultural Verification, Whole, Part, Tran. Process Verification, Transfer Number, Date Received, Deed Reference, and Assigned Property No. Includes rows for Year, Land, Buildings, Total, Geo., Zoning, Use, Town Cd., Map, Grid, Parcel, Ex. St., Sub, Plat, Section, Ex. Cd., Block, Lot, Section, Occ. Cd.

REMARKS:

Made to Horton
Aug. 26-1964
Horton, Md.
12417



THIS DEED, Made this 13th day of August, in the year nineteen hundred and sixty four, by Roland Childs and Martha Clark Childs, his wife, of Howard County, in the State of Maryland.

WITNESSETH, That in consideration of Five Dollars (\$5.00), and other valuable considerations, the said Roland Childs and Martha Clark Childs, his wife, do grant and convey unto Lester A. Tayman and Mary J. Tayman, his wife, as tenants by the entireties, in fee simple, all that piece or parcel of ground, situate and lying in the Fifth Election District of Howard County, in the State of Maryland, which, according to a survey thereof made by Claude M. Skinner, Junior, Registered Engineer and Land Surveyor, on or about April 8th, 1964, is more particularly described and referred to as follows, that is to say:

BEGINNING for the same at a stone heretofore set on the Southwestern edge of the thirty foot wide right-of-way of the county road known as the Lime Kiln Road, the said point being at the end of the fourth or North 53 degrees 15 minutes West 178 perches line of that land, the land herein described being a part thereof, which by deed dated May 8th, 1882, and recorded among the Land Records of Howard County in Liber No. 12, folio 139, etc., was granted and conveyed by Pennell Palmer and wife to Mary Ann Childs and leaving the said road and running with the fifth line, as now surveyed; thence (1) South 47 degrees 14 minutes West 741.87 feet to an iron pipe now set; thence running with the fifth line; (2) North 71 degrees 26 minutes West 163.4 feet to the corner post of the existing fence at the end of the thirdly described line of that land which by deed dated November 3, 1962, and recorded among the said Land Records in Liber No. 392, folio 242, etc., was granted and conveyed by Guinevere Warfield, unmarried, to Quentin Jones and wife; thence running reversely with the third and second lines of the said conveyance to Jones; (3) North 75 degrees 54 minutes West 154.61 feet to an iron pipe heretofore set; thence (4) North 53 degrees 54 minutes West 168.1

feet, passing over an iron pipe heretofore set on the Southeastern margin of the thirty foot wide right-of-way of the county road known as the Brown's Bridge Road; thence running with the said road centerline and with the ninth or North 21 degrees 30 minutes East 10.3 perches line of the said Child's land; (5) North 27 degrees 56 minutes East 169.95 feet; thence leaving the said road and running with the center of a ditch and with the tenth to fifteenth lines, inclusively, of the said conveyance to Childs; (6) North 76 degrees 27 minutes East 98.71 feet to an iron pipe now set; thence (7) South 89 degrees 24 minutes East 82.5 feet to an iron pipe now set; thence (8) North 88 degrees 36 minutes East 70.12 feet to an iron pipe now set; thence (9) North 84 degrees 36 minutes East 74.25 feet to an iron pipe now set; thence (10) North 21 degrees 6 minutes East 66 feet to a point in a swamp; thence (11) North 13 degrees 6 minutes East 136.12 feet to an iron pipe now set; thence running with a part of the sixteenth line; (12) North 33 degrees 9 minutes West 108.54 feet to a point in said road; thence along center of said road (13) North 51 degrees 17 minutes East 297.21 feet to a railroad spike now set in the centerline intersection of the Brown's Bridge Road, and the aforementioned Lime Kiln Road; thence running with the center of the Lime Kiln Road; (14) South 48 degrees 19 minutes East 491.49 feet to a nail now set; thence (15) South 47 degrees 14 minutes West 15 feet to the point of the beginning, containing 8.524 acres of land, more or less.

SUBJECT to a Baltimore Gas and Electric Company pole line right-of-way, the centerline of which is more particularly described as follows:

BEGINNING for the same at a point 97.75 feet on the third line of the land herein described and running the two following courses and distances, (1) North 55 degrees 15 minutes East 147.28 feet to an electric pole; thence (2) North 39 degrees 51 minutes East 719.95 feet to a point 192.85 feet on the thirteenth line of the land herein described.

FOR TITLE of the said Roland Childs, see recitals relative thereto in a mortgage from the Roland Childs and V. Louise Childs to Federal Land Bank of Baltimore, dated April 22nd, 1921, and recorded among the Land Records of Howard County in Liber H.B.N. No. 114, folio 604, reference to which said mortgage is made for title purposes, said mortgage having heretofore been fully paid and released. Also see deed from Theodore E. Childs, et al., to the said Roland Childs, dated June 13th, 1927, and recorded among the Land Records of Howard County in Liber H.B.N. No. 131, folio 108, etc.

TOGETHER with the buildings and improvements thereon and all and every the rights and appurtenances thereto belonging, or in anywise appertaining.

TO HAVE AND TO HOLD the aforesaid piece or parcel of ground unto and to the proper use and benefit of the said Lester A. Tayman and Mary J. Tayman, his wife, as tenants by the entireties, in fee simple, subject to the aforesaid pole line right-of-way.

AND the said Roland Childs and Martha Clark Childs, his wife, covenant that they will execute such other and further assurances of said land as may be requisite.

AS WITNESS OUR HANDS AND SEALS.

Roland Childs (SEAL)

Roland Childs

WITNESS:

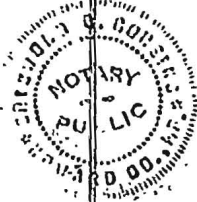
Martha Clark Childs (SEAL)

Martha Clark Childs

STATE OF MARYLAND, HOWARD COUNTY, SCT.:

I HEREBY CERTIFY, That on this 13th day of August 1964, before me, the subscriber, a Notary Public of the State of Maryland, in and for Howard County aforesaid, personally appeared Roland Childs and Martha Clark Childs, his wife, and each acknowledged the foregoing deed to be their respective acts.

AS WITNESS my hand and Notarial Seal.



Carroll Blaisdell

Notary Public

" Pursuant to a Resolution adopted by the Planning Commission of Howard County on July 29th, 1964, relaxing the minimum requirements of the Subdivision Regulations, the above conveyance is authorized.

Thomas G. Harris, Jr.
Thomas G. Harris, Jr.
Planning Director.

Received for record August 13, 1964 at 4:00
o'clock P. M. Same day recorded and examined per
W. Harvey Hill *WHH*, Clerk

*Mill to Frontier
Aug 26, 1964
Fulton, Md.*

13418

THIS DEED, Made this 13th day of August, in the year nineteen hundred and sixty-four, by Roland Childs and Martha Clark Childs, his wife, of Howard County, in the State of Maryland.

WITNESSETH, That in consideration of Five Dollars (\$5.00) and other valuable considerations, the said Roland Childs and Martha Clark Childs, his wife, do grant and convey unto Lester A. Tayman and Mary J. Tayman, his wife, as tenants by the entireties, in fee simple, all that piece or parcel of ground, situate and lying on Brown's Bridge Road, in the Fifth Election District of said Howard County, in the State of Maryland, which is more particularly described as follows, that is to say:

BEGINNING for the same at a point in the center of Brown's Bridge Road at the end of the fifth or North twenty-seven degrees fifty-six minutes East one hundred sixty-nine and ninety-five one-hundredths foot line of a deed dated evenly herewith from the said Roland Childs and Martha Clark Childs, his wife, to the said Lester A. Tayman and Mary J. Tayman, his wife, and intended to be recorded among the Land Records of Howard County prior hereto, and running thence with the 6th, 7th, 8th, 9th, 10th, 11th, and 12th lines of said deed, North 76 degrees 27 minutes East 98.71 feet to an iron pipe now set; thence South 89 degrees 24 minutes East 82.5 feet to an iron pipe now set; thence North 88 degrees 36 minutes East 70.12 feet to an iron pipe now set; thence North 84 degrees 36 minutes East 74.25 feet to an iron pipe now set; thence North 21 degrees 6 minutes East 66 feet to a point in a swamp; thence North 13 degrees 6 minutes East 136.12 feet to an iron pipe now set; ~~thence running with a part of the sixteenth line;~~ North 33 degrees 9 minutes West 108.54 feet to a point in said Road; thence running in a Southwesterly direction along the center line of said Brown's Bridge Road to the place of beginning, containing 1.30 acres, more or less.

BEING all and the same lot or parcel of ground of which the said Roland Childs and Martha Clark Childs have been in visible, notorious, adverse, exclusive, hostile, and continuous possession for more than twenty consecutive years prior hereto.

TOGETHER with the buildings and improvements thereon and all and every the rights and appurtenances thereto belonging, or in anywise appertaining.

TO HAVE AND TO HOLD the aforesaid piece or parcel of ground unto and to the proper use and benefit of the said Lester A. Tayman and Mary J. Tayman, his wife, as tenants by the entireties, in fee simple.

AS WITNESS OUR HANDS AND SEALS.

WITNESS:

Grimold Blausin Roland Childs (SEAL)
Roland Childs

Martha Clark Childs (SEAL)
Martha Clark Childs

STATE OF MARYLAND, HOWARD COUNTY, SCT.:

I HEREBY CERTIFY, That on this 13th day of August, 1964, before me, the subscriber, a Notary Public of the State of Maryland, duly commissioned and qualified, and residing in Howard County aforesaid, personally appeared Roland Childs and Martha Clark Childs, his wife, and each acknowledged the foregoing deed to be their respective act.

AS WITNESS my hand and notarial seal.

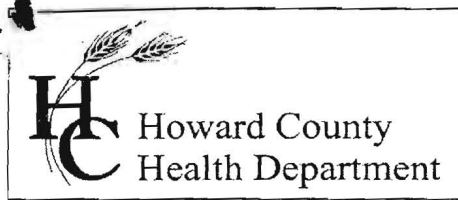


Grimold Blausin
Notary Public.

"Pursuant to a Resolution adopted by the Planning Commission of Howard County on July 29th, 1964, relaxing the minimum requirements of the Subdivision Regulations, the above conveyance is authorized."

Thomas G. Harris, Jr.
Thomas G. Harris, Jr.
Planning Director.

Received for record August 17, 1964 at 4:01
o'clock P.M. Same day recorded and examined per
W. Harvey Hill W.H.H., Clerk



Bureau of Environmental Health
7178 Gateway Drive Columbia, MD 21046
(410) 313-2640 Fax (410) 313-2648
TDD (410) 313-2323 Toll Free 1-866-313-6300
Website: www.hchealth.org

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

Date: July 22, 2013

To: Fisher, Collins, and Carter, Inc.
C/o Stephanie Tuite
10272 Baltimore National Pike
Ellicott City, Maryland 21042

RE: **Percolation Testing Report**
12671 Lime Kiln Road, Tax Map 40, Parcel 244

Mrs. Tuite,

Percolation testing was conducted on the referenced property on July 16, 2013. The purpose for conducting these percolation tests was for an anticipated establishment of a sewage disposal area for 1 lot and an existing house.

A total of five (5) test holes were evaluated and five (5) were found to be **unsatisfactory**. There were **no acceptable ranges** for recommended inlet and trench bottom depth. The majority of the holes tested failed due to high levels of water and/or high rock content. Initially the homeowner did not want to dig on the existing lot; therefore, holes were not dug on the existing lot due to the failure of the subdivided lot. If the homeowner would like to establish a septic area for further development of the existing property we will have to schedule additional percolation testing at no additional cost to the homeowner. The septic system on the existing lot did not show signs of failure and the well on the existing lot was up to Howard County Code. 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. Areas that may be included in a septic reserve are represented by test locations having **satisfactory** soil conditions. The area of the septic reserve must be at least 10,000 square feet, though Howard County Code [3.805.A.2.X] requires that the area be large enough to accommodate an initial drain field and two repair drain fields for the planned residence.

If you have any questions regarding this evaluation, please contact me at the above address or by telephone at (410) 313-2775.

Respectfully,

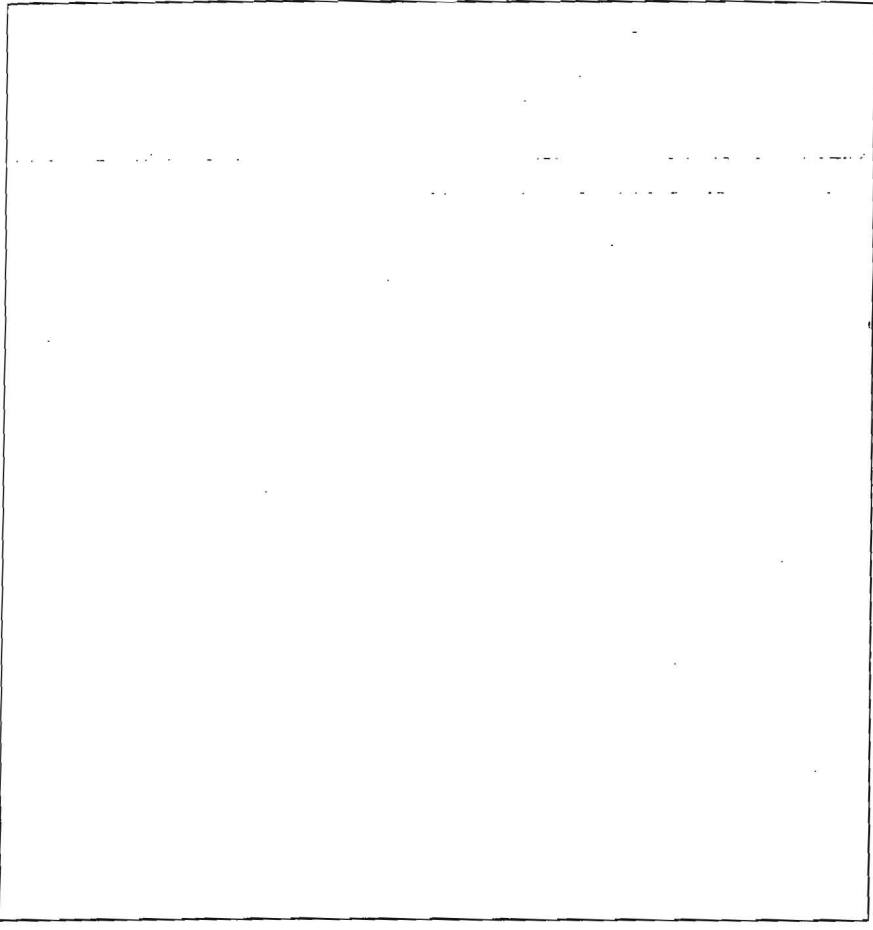

Dana Bernard, REHS/RS
Environmental Specialist II
Well and Septic Program

Enclosures (2)
File

1901
 Red Brown
 Yellow
 20%-30%
 Quartz
 Refusal
 @
 3'

1902
 Red Brown
 Yellow
 Silty Dense
 Sh
 Much
 mica
 10
 Red Brown
 Yellow
 Silty H₂O
 Loam
 Wet @ 11'
 many
 mica
 14'

1903
 Red
 Brown
 Yellow
 SCL
 30-40%
 R₄
 Refusal
 @
 3'



1904
 Red Brown
 Yellow
 SCL 4'
 Red Brown
 SCL
 @ 7'
 Grey Cl
 Brown 9'
 H₂O
 @
 9'
 ↓ 12'

A05
 Red
 Brown
 Grey
 wet
 SCL
 Dense
 Refusal
 @ 2'
 30-40%
 R₄ 2'

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
7-16-13	1901	3'	Refusal @ 3'				F
7-16-13	1902	3/14	10:25				F
7-16-13	1903	3'	Refusal				F
7-16-13	1904	12'	H ₂ O @ 9'				F
7-16-13	A05	2'	Refusal				F

REMARKS H₂O level too high to establish septic easement.
 SANITARIAN DBernard BACKHOE _____ OTHERS _____
 TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SAW _____



Office of the Health Officer

7178 Columbia Gateway Drive, Columbia, MD 21046-2147

Main: 410-313-6300 | Fax: 410-313-6303

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

www.hchealth.org

Facebook: www.facebook.com/hocohealth

Twitter: [HowardCoHealthDep](https://twitter.com/HowardCoHealthDep)

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

TO: Fisher, Collins, and Carter, Inc.
C/O Stephanie Tuite [Stephanie@fcc-eng.com]
10272 Baltimore National Pike
Ellicott City, Maryland 21042

FROM: Dana Bernard, REHS/RS
Well and Septic Program

RE: 12671 Lime Kiln Road
Percolation Certification Testing Plan

DATE: September 3, 2013

The following comments apply to the plan prepared by Fisher, Collins, and Carter, Inc. and are advised to revise and resubmit.

- ✦ Testing plan proposals for a conventional septic and for sand mounds should be presented separately.

- ✦ **Conventional proposal** must be corrected and show the following.
 1. Percolation holes should be shown and labeled with elevations.
 2. Septic area must be contained within the proposed lot.
 3. Proposed septic area must be 100 feet away from the center of the stream.
 4. Topography must be clear with elevations shown throughout plan.
 5. Potential Conventional sites must be staked for field review.
 6. Please label all structures on plan.

- ✦ **Sand Mound Proposal** must be corrected and show the following:
 1. Percolation holes should be shown and labeled with elevations.
 2. Septic area must be contained within the proposed lot.
 3. Proposed septic area must be 100 feet away from the center of the stream.
 4. Topography must be clear with elevations and shown throughout plan.
 5. Topography must contain 1 foot contours.
 6. Potential Sand mound sites must be staked for field review.
 7. Please label all structures on plan.

If you are presenting three (3) conventional sites and three (3) sand mound sites for testing; we can schedule the conventional sites for one day and the sand mound testing the following day.

If you have any questions or correspondence, I can be reached at the above address or by telephone at (410) 313-2775.

Sincerely,

Dana Bernard, REHS/RS

Environmental Specialist II

Phone (410) 313-2775

E-mail: DBernard@howardcountymd.gov

Bernard, Dana

From: Bernard, Dana
Sent: Monday, February 24, 2014 10:12 AM
To: 'Stephanie Tuite'
Subject: 12671 Lime Kiln Road



Office of the Health Officer
8930 Stanford Blvd., Columbia, MD 21045
Main: 410-313-6300 | Fax: 410-313-6303
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

TO: Fisher, Collins, and Carter, Inc.
C/O Stephanie Tuite [Stephanie@fcc-eng.com]
10272 Baltimore National Pike
Ellicott City, Maryland 21042

FROM: Dana Bernard, REHS/RS
Well and Septic Program

RE: 12671 Lime Kiln Road
Percolation Certification Testing Plan

DATE: February 24, 2014

The following comments apply to the plan prepared by Fisher, Collins, and Carter, Inc. and are advised to revise and resubmit at the time of percolation certification plan approval.

➤ **Conventional proposal** must be corrected and show the following.

1. Proposed well sites must be 10 feet from the driveway.

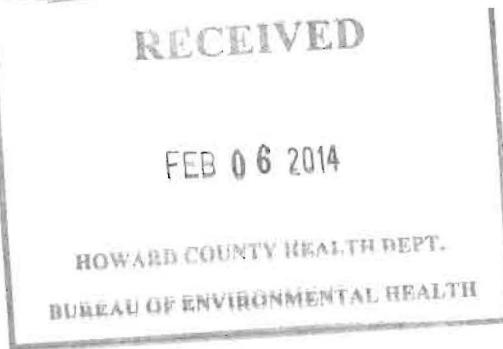
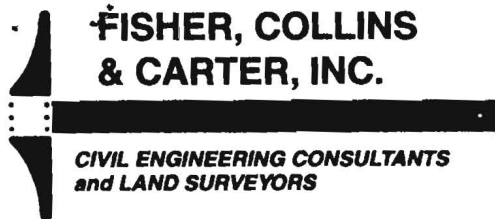
If you are presenting a conventional site and a sand mound site for testing together; we can schedule the conventional sites for one day and the sand mound testing the following day. However, the testing must occur when the ground warms up around April. But if you would like to schedule the conventional test only, we can schedule at your earliest convenience.

If you have any questions or correspondence, I can be reached at the above address or by telephone at (410) 313-2775.

Sincerely,

A handwritten signature in cursive script that reads 'Dana Bernard'.

Dana Bernard, REHS/RS
Environmental Specialist II
Phone (410) 313-2775
Fax (410) 313-2648
E-mail: DBernard@howardcountymd.gov



Terrell A. Fisher, P.E., L.S.
Earl D. Collins, P.E.
Charles J. Crovo, Sr., P.E., L.S.

Paul W. Kriebel, P.E.
Mark L. Robel, P.L.S.
Aldo M. Vitucci, P.E.

February 6, 2014

Ms. Dana Bernard
Bureau of Environmental Health
Howard County Health Dept.
7178 Columbia Gateway Dr.
Columbia, MD 21046-4544

RE: Revised Percolation Test Plans
Lime Kiln Road & 12671 Lime Kiln Road
(1st & 2nd Parcel – TM 40, Parcel 244)

Dear Ms. Bernard:

On behalf of our clients, Tom and Kim Monroe, we are resubmitting the attached revised Percolation Test Plans for the above referenced property.

Please note that again we have shown two proposals, one for conventional testing and one for sand mound testing. (1) The locations for a conventional septic easements have been shown along with associated numbered perc holes on one plan. (2) Considering the potential for shallow depth to groundwater, we have proposed locations for potential sand mounds along with associated test hole locations on a second plan. As mentioned previously, we are request to potential test for both alternate proposal on-site the same day so that the owner will not have to bring an excavator to the site again and pay more mobilization fees. We have done this previously and feel it may be necessary here.

The following is a point by point response to the comments in your letter dated September 3, 2013:

Conventional Proposal

1. The five (5) previously tested holes have been labeled with elevations.
2. Septic areas are within the proposed lot.
3. Proposed septic area is over 100 feet from the centerline of the stream.
4. Topography is clear throughout the plan with labels.
5. As typical, the perc holes will be staked prior to excavation.
6. Structures have been labeled.

Sand Mound Proposal

1. The five (5) previously tested holes have been labeled with elevations.
2. Septic areas are within the proposed lot.
3. Proposed septic area is over 100 feet from the centerline of the stream.
4. Topography is clear throughout the plan with labels.
5. The areas proposed for sand mound show field topography (1 foot contours). Existing driveway and well was field located as part of the field survey.
6. As typical, the sand mound sites and perc holes will be staked prior to excavation.
7. Structures have been labeled.

**FISHER, COLLINS
& CARTER, INC.**

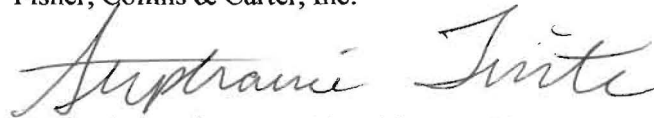
**CIVIL ENGINEERING CONSULTANTS
and LAND SURVEYORS**

Terrell A. Fisher, P.E., L.S.
Earl D. Collins, P.E.
Charles J. Crovo, Sr., P.E., L.S.

Paul W. Kriebel, P.E.
Mark L. Robel, P.L.S.
Aldo M. Vitucci, P.E.

Thank you for your time and consideration of this submission. If you should have any questions or comments or wish for us to meet to discuss, please do not hesitate to call.

Very truly yours,
Fisher, Collins & Carter, Inc.



Stephanie J. Tuite, RLA, PE, LEED AP BD&C

WO #13014-6001

c.c. Tom & Kim Monroe



Office of the Health Officer
8930 Stanford Blvd., Columbia, MD 21045
Main: 410-313-6300 | Fax: 410-313-6303
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

TO: Fisher, Collins, and Carter, Inc.
C/O Stephanie Tuite [Stephanie@fcc-eng.com]
10272 Baltimore National Pike
Ellicott City, Maryland 21042

FROM: Dana Bernard, REHS/RS
Well and Septic Program

RE: 12671 Lime Kiln Road 
Percolation Certification Plan

DATE: September 9, 2014

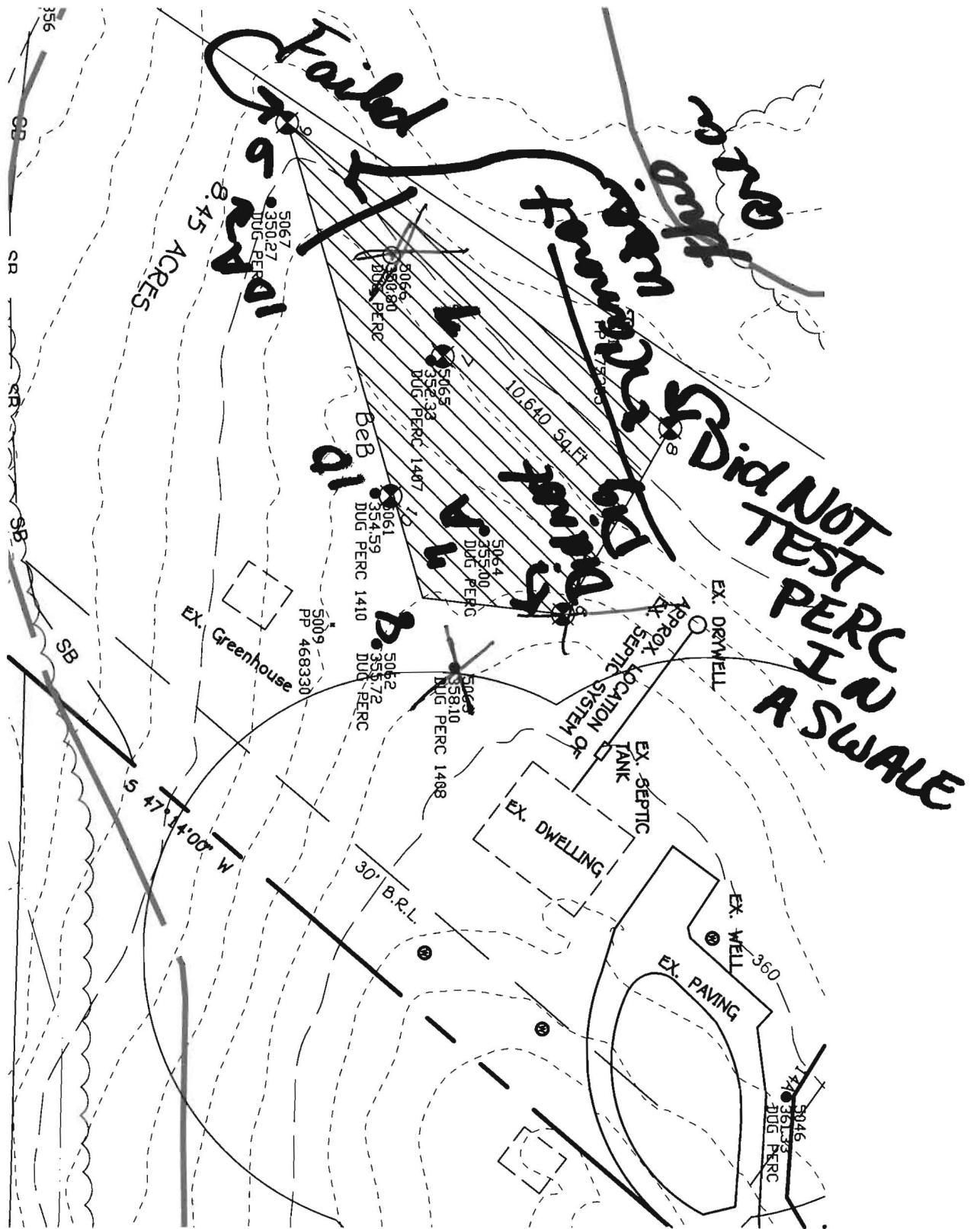
The following comments apply to the plan prepared by Fisher, Collins, and Carter, Inc. and are advised to revise and resubmit at the time of percolation certification plan approval.

- ✚ The existing well must be labeled to be abandoned.
- ✚ The well and septic system at 12655 Lime Kiln Road must be field located to insure proper setback distances.
- ✚ A note must state that the final will not be signed until the new wells are drilled and the existing well is abandoned.

If you have any questions or correspondence, I can be reached at the above address or by telephone at (410) 313-2775.

Sincerely,

Dana Bernard, REHS/RS
Environmental Specialist II
Phone (410) 313-2775
Fax (410) 313-2648
E-mail: DBernard@howardcountymd.gov





Bureau of Environmental Health

7178 Columbia Gateway Drive, Columbia, MD 21046-2147

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](https://twitter.com/HowardCoHealthDep)

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

MEMORANDUM

DATE: October 14, 2014

TO: Fisher, Collins, and Carter, Inc.
C/O Tony Fertita
Via e-mail: tonyf@fcc-eng.com

FROM: Dana Bernard
Well and Septic Program
Development Coordination Section

RE: 12671 Lime Kiln Road
Percolation Certification Plan

The following comments apply to the plan presented by Fisher, Collins, and Carter, Inc.

- ✚ Show septic system for neighboring lot (12655 Lime Kiln Road).
- ✚ Show a purpose statement on the plan.
- ✚ Label all lots and structures.
- ✚ Has approval been granted for the ad joiner? If so, can we have a copy for our file?
- ✚ Move wells on the front lot and redesign to make into a well box. Well boxes are preferred and allow room for required setbacks.

Respectfully,


Dana Bernard, REHS/RS
Environmental Sanitarian II
Well and Septic Program

Cc: File

Bernard, Dana

From: Stephanie Tuite [Stephanie@fcc-eng.com]
Sent: Tuesday, September 09, 2014 12:08 PM
To: Bernard, Dana
Subject: RE: 12671 Lime Kiln Road

That was what I was thinking.

Stephanie J. Tuite, RLA, PE, LEED AP BD&C
Fisher, Collins & Carter, Inc.

From: Bernard, Dana [mailto:dbernard@howardcountymd.gov]
Sent: Tuesday, September 09, 2014 12:07 PM
To: Stephanie Tuite
Subject: RE: 12671 Lime Kiln Road

Modify the note to say that the wells are to be drilled/abandoned prior to building permit?

From: Stephanie Tuite [mailto:Stephanie@fcc-eng.com]
Sent: Tuesday, September 09, 2014 12:02 PM
To: Bernard, Dana
Subject: RE: 12671 Lime Kiln Road

Okay. So I will leave the language and it will get drilled at some point.
Steph

Stephanie J. Tuite, RLA, PE, LEED AP BD&C
Fisher, Collins & Carter, Inc.

From: Bernard, Dana [mailto:dbernard@howardcountymd.gov]
Sent: Tuesday, September 09, 2014 12:00 PM
To: Stephanie Tuite
Subject: RE: 12671 Lime Kiln Road

Even though you are requesting a adjoinder transfer we will still require all of our requirements as if you were going to submit a final.

From: Stephanie Tuite [mailto:Stephanie@fcc-eng.com]
Sent: Tuesday, September 09, 2014 11:52 AM
To: Bernard, Dana
Subject: RE: 12671 Lime Kiln Road

I am not sure I understand. So the note you requested about the wells being drilled prior to final plan. I cannot really add the note since I know a final isn't being done. Am I okay to change it to reference prior to builing permit?

Steph

Stephanie J. Tuite, RLA, PE, LEED AP BD&C

Fisher, Collins & Carter, Inc.

From: Bernard, Dana [<mailto:dbernard@howardcountymd.gov>]
Sent: Tuesday, September 09, 2014 11:49 AM
To: Stephanie Tuite
Subject: RE: 12671 Lime Kiln Road

The county waiver is fine. However, all of our requirements remain the same.

From: Stephanie Tuite [<mailto:Stephanie@fcc-eng.com>]
Sent: Tuesday, September 09, 2014 11:32 AM
To: Bernard, Dana
Subject: RE: 12671 Lime Kiln Road

The county has agreed to accept a waiver to allow an adjoiner transfer rather than a subdivision plat. Can I modify the note to say that the wells are to be drilled/abandoned prior to building permit?

Steph

Stephanie J. Tuite, RLA, PE, LEED AP BD&C
Fisher, Collins & Carter, Inc.

From: Bernard, Dana [<mailto:dbernard@howardcountymd.gov>]
Sent: Tuesday, September 09, 2014 10:33 AM
To: Stephanie Tuite
Subject: 12671 Lime Kiln Road

Stephanie,

I have attached a memo regarding 12671 Lime Kiln Road. If you have any questions please don't hesitate to give me a call.

Thank you & Have a*""
,,,'',,*""),,,'',,*""
(,,'', (,,'', * Wonderful Day !

Dana Bernard, REHS/RS
Environmental Specialist II
Bureau of Environmental Health
Well and Septic Program
Phone (410) 313-2775
E-mail: DBernard@howardcountymd.gov

**FISHER, COLLINS
& CARTER, INC.**

**CIVIL ENGINEERING CONSULTANTS
and LAND SURVEYORS**

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Earl D. Collins, P.E.
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Paul W. Kriebel, P.E.
Mark L. Robel, P.L.S.
Aldo M. Vitucci, P.E.

Transmittal

Via: Fax Mail Messenger E-Mail To Be Picked Up
 Fax (original to follow via U.S. Mail)

To: Bureau of Environmental Health 8930 Stanford Blvd Columbia, MD 21046-4544	Attn: Dana Fax: (410) 313-2648 Phone: (410) 313-2640
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From: Stephanie Tuite	CC:
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Re: Percolation Certification Plan	W.O.# 13014-6001
Date: 11/5/14	Pages: Page(s) Including this cover

We are forwarding: <input checked="" type="checkbox"/> Prints <input type="checkbox"/> Copy of Letter <input type="checkbox"/> Specifications <input type="checkbox"/> Shop drawings <input checked="" type="checkbox"/> Other <input type="checkbox"/> Urgent <input type="checkbox"/> For your use <input type="checkbox"/> As requested <input type="checkbox"/> For Review & Comment

Remarks:

Attached please find two copies of the Percolation Certification Plan Dated 11/5/2014.

Please call with any questions.



Tony Fertitta
Fisher, Collins & Carter, Inc.

CONFIDENTIALITY NOTICE

This transmission contains confidential information which may be legally privileged, and is intended only for the use of the individual named above. If you are not the intended recipient, you are hereby notified that any distribution (except to the intended recipient), copying, or disclosure of this transmission is strictly prohibited.

**FISHER, COLLINS
& CARTER, INC.**

**CIVIL ENGINEERING CONSULTANTS
and LAND SURVEYORS**

Terrell A. Fisher, P.E., L.S.
Earl D. Collins, P.E.
Charles J. Crovo, Sr., P.E., L.S.

Paul W. Kriebel, P.E.
Mark L. Robel, P.L.S.
Aldo M. Vitucci, P.E.

August 23, 2013

Ms. Dana Bernard
Bureau of Environmental Health
Howard County Health Dept.
7178 Columbia Gateway Dr.
Columbia, MD 21046-4544

RE: Revised Percolation Test Plan
Lime Kiln Road & 12671 Lime Kiln
Road
(1st & 2nd Parcel – TM 40, Parcel 244)

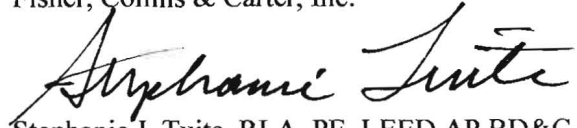
Dear Ms. Bernard:

On behalf of our clients, Tom and Kim Monroe, we are resubmitting the attached revised Percolation Test Plans for the above referenced property.

Please note that we have shown two potential locations for a conventional septic easement along with associated numbered perc holes. Considering the potential for shallow depth to groundwater, we have proposed locations for potential sand mounds along with associated test hole locations. As mentioned in my email to you earlier this week, we would like to assume we will be testing for both on-site so that the owner will not have to bring an excavator to the site again and pay more mobilization fees. We have done this previously and feel it may be necessary here.

Thank you for your time and consideration of this submission. If you should have any questions or comments or wish for us to meet to discuss, please do not hesitate to call.

Very truly yours,
Fisher, Collins & Carter, Inc.


Stephanie J. Tuite, RLA, PE, LEED AP BD&C

WO #13014-6001

c.c. Tom & Kim Monroe

**FISHER, COLLINS
& CARTER, INC.**

**CIVIL ENGINEERING CONSULTANTS
and LAND SURVEYORS**

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Paul W. Kriebel, P.E.
Mark L. Robel, P.L.S.
Aldo M. Vitucci, P.E.

May 29, 2013

Mr. Michael J. Davis
Assistant Director
Bureau of Environmental Health
Howard County Health Dept.
7178 Columbia Gateway Dr.
Columbia, MD 21046-4544

RE: Percolation Application
Lime Kiln Road & 12671 Lime Kiln
Road
(1st & 2nd Parcel – TM 40, Parcel 244)

Dear Mike:

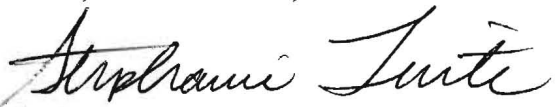
On behalf of our clients, Tom and Kim Monroe, we are resubmitting the following package:

- 1). Two (2) print copies of a plan entitled "Percolation Test Plan – Lime Kiln Road" sheet 1 of 1 dated May 29, 2013.
- 2). Original signed Application for Percolation Testing for 12671 Lime Kiln Road.
- 3). Check payable to the Howard County Health Department in the amount of \$506.00 for 12671 Lime Kiln Road.

Please note per previous application submitted on May 8, 2013, the two parcels exist per the deeds submitted with the previous submittal. The 2nd parcel is planned to be reconfigured by Adjoiner Transfer as discussed by our clients with the Department of Planning and Zoning. Upon successful percolation testing, a waiver to reconfigure the parcel lines will be submitted for approval by the Department of Planning and Zoning. Upon approval of the waiver petition, the Perc Certification Plan will be submitted for signature.

Thank you for your time and consideration of this submission. If you should have any questions or comments, please do not hesitate to call.

Very truly yours,
Fisher, Collins & Carter, Inc.

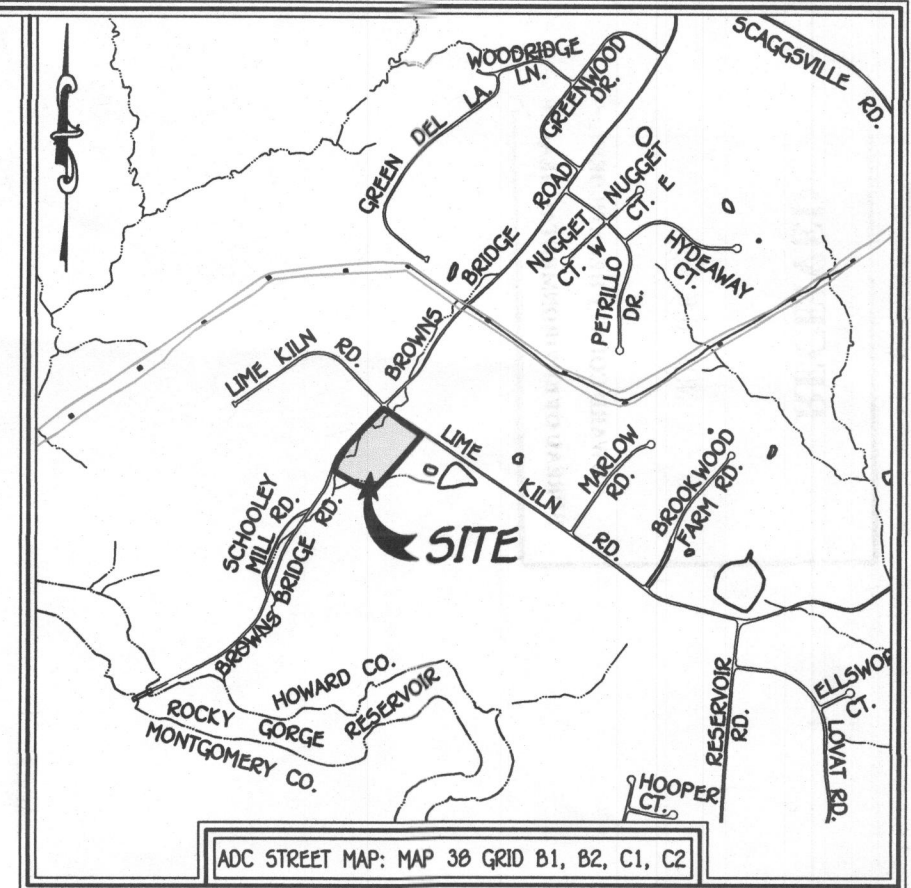

Stephanie J. Tuite, RLA, PE, LEED AP BD&C

WO #13014-6001

c.c. Tom & Kim Monroe

LEGEND

- EXISTING 2' CONTOURS
- - - EXISTING 10' CONTOURS
- EXISTING TREE LINE
- Soil Lines and Types
- ⊙ DENOTES PROPOSED WELL
- DENOTES PASSED PERC
- 1 PREVIOUSLY FAILED PERC HOLE
- DENOTES 1500 Sq.Ft. ALTERNATE WELL SITE



VICINITY MAP
SCALE: 1" = 2000'

GENERAL NOTES:

1. THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THESE EASEMENTS 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 SEWERAGE EASEMENT. RECORDATION OF A MODIFIED SEWERAGE EASEMENT SHALL NOT BE NECESSARY.
2. ADJUSTMENTS TO SEPTIC EASEMENT AREA IS NOT PERMITTED WITHOUT ADDITIONAL TESTING.
3. THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
4. NO EXISTING WELLS AND/OR SEWERAGE INFORMATION WAS AVAILABLE FROM COUNTY RECORDS WITHIN 100 FEET OF THE SITE.
5. ALL HOUSE SITES SHOWN COMPLY WITH MINIMUM BUILDING RESTRICTION REGULATIONS.
6. TOPOGRAPHY SHOWN IS FROM HOWARD COUNTY GIS TOPOGRAPHY AT 2' CONTOUR INTERVAL AND FIELD RUN BY FISHER, COLLINS & CARTER, INC.
7. BOUNDARY OUTLINE BASED ON A FIELD SURVEY BY FISHER, COLLINS AND CARTER, INC.
8. ANY CHANGES TO A PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVISED PERC CERTIFICATION PLAN.
9. DEED REFERENCES: LIBER 14361, FOLIO 001 & LIBER 423, FOLIO 27.
10. THE FINAL WILL NOT BE SIGNED UNTIL THE NEW WELLS ARE DRILLED AND THE EXISTING WELL IS ABANDONED.
11. PARCEL 244 (PARCEL 2) WILL BE CONSIDERED A NON-BUILDABLE LOT BY THE HEALTH DEPARTMENT UNTIL THE WELLS FOR BOTH PARCELS 1 AND 2 HAVE BEEN DRILLED IN THEIR APPROVED LOCATION WITH COMPLETION REPORTS APPROVED BY THE HEALTH DEPARTMENT AND THE EXISTING WELL HAS BEEN PROPERLY ABANDONED WITH ABANDONMENT REPORT SUBMITTED TO HEALTH DEPARTMENT. THE SEWAGE DISPOSAL AREA FOR PARCEL 2 IS NOT APPROVED FOR USE UNTIL THE EXISTING WELL LESS THAN 100' AWAY IS ABANDONED.



PERC CERTIFICATION
I certify that the location shown is based on field locations done under my direct supervision and are correct.
Signature of Professional Land Surveyor: Terrell A. Fisher, Professional Land Surveyor No. 11514, Expires 12/13/15
Date: 11/5/14

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS.
HOWARD COUNTY HEALTH DEPARTMENT.
Signature for Maureen Rozman, County Health Officer
Date: 11/17/2014

SOILS LEGEND

SOIL	NAME	CLASS
BeB	Benevol silt loam, 3 to 8 percent slopes	B
Co	Codorus and Hayboro silt loam, 0 to 3 percent slopes	C
GmB	Glennville silt loam, 3 to 8 percent slopes	C
MaD	Manor loam, 15 to 25 percent slopes	B
whB	Wiltshire silt loam, 3 to 8 percent slopes	C

**PERCOLATION CERTIFICATION PLAN
LIME KILN ROAD &
12671 LIME KILN ROAD**

TAX MAP #40 GRID #23 PARCELS: 244 (1ST & 2ND PARCEL)
FIFTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
SCALE: 1"=50' DATE: NOVEMBER 5, 2014

OWNER
TOM & KIM MONROE
12671 LIME KILN ROAD
FULTON, MARYLAND 20759
(301) 776-8256

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTENNIAL SQUARE OFFICE PARK - 10712 BALTIMORE NATIONAL Pk.
ELLSWORTH CITY, MARYLAND 21042
(410) 461-2995