



# APPLICATION

## FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) 10/7/03 TEST TIME \_\_\_\_\_ A/P 517963

AGENCY REVIEW: \_\_\_\_\_ DATE \_\_\_\_\_

DO NOT WRITE ABOVE THIS LINE

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

CHECK AS NEEDED:

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

CHECK AS NEEDED:

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

CHECK ONE:

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

IS THE PROPERTY WITHIN 2500' OF ANY RESERVOIR?

- YES
- NO

THE TYPE OF STRUCTURE IS:

- RESIDENTIAL WITH \_\_\_\_\_ 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) Gerald & Shirley Baker

DAYTIME PHONE 301-829-2403 CELL \_\_\_\_\_ FAX \_\_\_\_\_

MAILING ADDRESS 1730 Florence Road  
STREET CITY/TOWN STATE ZIP

APPLICANT Jeff McAlister

DAYTIME PHONE 301-831-7197 CELL \_\_\_\_\_ FAX \_\_\_\_\_

MAILING ADDRESS 2610 Mullinix Mill Road Mt. Airy  
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION  
SUBDIVISION/PROPERTY NAME \_\_\_\_\_ LOT NO. PROPOSED LOT 4

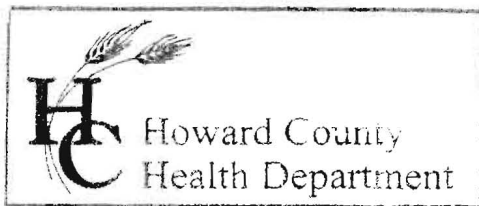
PROPERTY ADDRESS \_\_\_\_\_  
STREET TOWN/POST OFFICE Existing House

TAX MAP PAGE(S) 4 GRID \_\_\_\_\_ PARCEL(S) 151 PROPOSED LOT SIZE 4.97

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. \_\_\_\_\_  
SIGNATURE OF APPLICANT

HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM  
3525-H ELLICOTT MILLS DRIVE, ELLICOTT CITY, MARYLAND 21043-4544 (410) 313-1771 FAX (410) 313-2648  
TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH



3525 H Ellicott Mills Drive, Ellicott City, MD 21043  
(410) 313-2640 Fax (410) 313-2648  
TDD (410) 313-2323 Toll Free 1-866-313-6300  
website: www.hchealth.org

Penny E. Borenstein, M.D., M.P.H., Health Officer

October 8, 2003

Mr. Jeff McAlister  
2610 Mullinix Mill Road  
Mt. Airy, MD 21771

RE: Percolation Testing (II)  
Baker Property  
Tax Map: 6 Parcel: 151

Dear Mr. McAlister:

Further testing for the Baker property on October 7, 2003, yielding only satisfactory results for Lot 1. Lots 2, 3, and 4 have concerns of excessive amounts of rock with an impermeable clay layer or dense heavy loam above. Also noted, the topography for lot 2 does not reflect true field elevations for lot 2 upon the field inspection of myself and Barry Glotfelty; therefore, a certified surveyor needs to locate field-run contour lines and adjust the next percolation test plan accordingly. The test notes for October 7<sup>th</sup> are enclosed.

Per our discussion on October 7, 2003, I will be expecting a new percolation testing plan proposing sand mounds. Please be aware that each additional septic testing plan requires another testing fee of \$225.00 for each lot. Although only two holes were dug on lot 4 while the plan showed three holes, an additional test hole was dug for lot 3 per your approval on the phone with Fyock septic.

If you have any additional questions, please call me personally at 410-313-2694. Thank you for your time in this important matter.

Sincerely,  
*Kacie Noonan*  
Kacie Noonan  
Sanitarian  
Well and Septic Program

KN

Enclosures

Cc: Vanmar Associates  
file

# APPLICATION

PERCOLATION TESTING

A 519669

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH

DISTRICT \_\_\_\_\_

3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 313-2840

DATE 11/20/03

TO: THE COUNTY HEALTH OFFICER  
ELLICOTT CITY, MARYLAND

*When s. system installed  
SAN to SEE OPEN trenches before stone  
is dumped.*

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER Gerald R. Baker & Shirley A. Baker

ADDRESS 1730 Florence Rd. Mt. Airy, MA PHONE 301-829-2403

AGENT OR PROSPECTIVE BUYER Jeffrey McAlister

ADDRESS 2610 Mullinix Mill Rd. Mt. Airy, MA 21771 PHONE 301-831-7197

PROPERTY LOCATION:

SUBDIVISION Baker Property LOT NO. 4 - Existing

ROAD AND DESCRIPTION Florence Rd.

TAX MAP 6 PARCEL # 151

SIZE OF LOT 3.58 (Right Rear) TYPE BLDG. Single Family  
(SINGLE FAMILY DWELLING OR COMMERCIAL)

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE. I FULLY UNDERSTAND THE FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NON-REFUNDABLE UNDER ANY CIRCUMSTANCES. I ALSO AGREE TO COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT.

(SIGNATURE OF APPLICANT)

APPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

DISAPPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

HOLD PENDING FURTHER TESTS \_\_\_\_\_

REASONS FOR REJECTION OR HOLDING \_\_\_\_\_

PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

# THIS IS NOT A PERMIT

51969

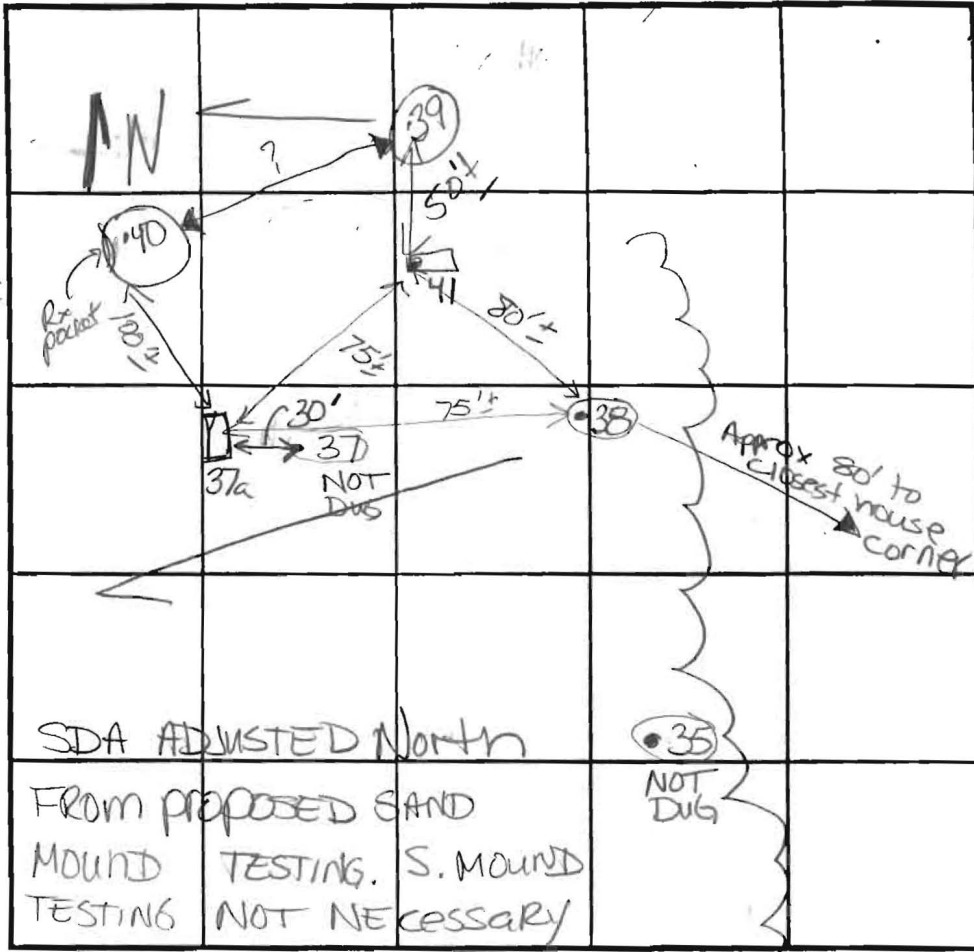
COUNTY #

SOIL PROFILE

0' (40)  
 Brn CLL  
 4'±  
 Brn SCLL  
 5'±  
 Cherty Schist  
 Frags ~10%  
 7' fine SL to LS  
 West X R pocket 35%  
 12' Bottom

(38) N  
 rd brn SCLL  
 0.19 yellow SL  
 4'±  
 2 brn wk org brn  
 Loam mixture  
 Trace R & 2 boulders @ 10'  
 11'± H. Bottom

(37a)  
 wk rd brn  
 hvy L-CLL  
 5'±  
 yellow f-med sized L sand  
 few boulders (2)  
 Sm frags ~10%  
 Bottom 14'



SOIL PROFILE

0' (39)  
 SCLL  
 4'±  
 platy structure  
 sm cherty  
 Frags ~25%+ LS  
 8' less rock  
 L-S- fines  
 Bottom

(41)  
 yCLL  
 2'  
 tan brn SCLL loam  
 platy cherty frags ~25%  
 S wall frag 40%

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
4-28-04	(40)	5 1/2' S	11:07	11:12	11:12	11:18	6min
	(38)	4 1/2' S	10:12	10:15	10:15	10:21	6min
	(37a)	5 1/2' S 30'± west of 37	10:31	10:36	10:36	10:44	8min
	(39)	5 1/2' S	10:52	10:54	10:54	10:57	3min
	(41)	6' M TESTED IN ROCK	11:32	11:37	11:37	11:44	7min
<p>When Installing new septic, SAN to SEE TRENCHES BEFORE #2 stone poured in trenches. Soils very variable.</p>							

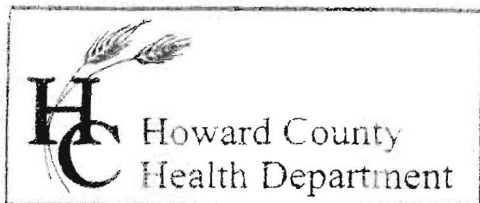
REMARKS Holes DUG NOT PER PLAN. Field locate w/ Mr. McAlister

TYPE OF SOIL \_\_\_\_\_

TESTED BY Kacie ALSO PRESENT Fyock

TRENCH DESIGN DATA. AVERAGE PERCOLATION TIME \_\_\_\_\_ TRENCH WIDTH \_\_\_\_\_

INLET DEPTH \_\_\_\_\_ MAXIMUM BOTTOM DEPTH \_\_\_\_\_ SQ. FT/BEDROOM \_\_\_\_\_



3525 H Ellicott Mills Drive, Ellicott City, MD 21043  
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TDD (410) 313-2323 Toll Free 1-866-313-6300  
website: www.hchealth.org

Penny E. Borenstein, M.D., M.P.H., Health Officer

September 22, 2003

Mr. Jeff McAlister  
2610 Mullinix Mill Road  
Mt. Airy, MD 21771

RE: Percolation Test Date (II)  
Baker Property  
Tax Map: 6 Parcel: 151

Dear Mr. McAlister:

Our office received a newly revised, percolation test plan dated July 16, 2003. Upon our review, the septic easement layout for proposed lot one appears acceptable for additional testing as well as lot three. Please be advised that a plan acceptable for additional testing does not indicate approval of the proposed septic easements. Only a signed percolation certification plan indicates preliminary septic easement approval.

Further testing for the Baker property has been scheduled with our office for October 7, 2003 at 9 a.m.. Due to the resubmittal for proposed lots two and one, testing fees apply. Please write a check for \$450.00 payable to the Director of Finance. It is noted that lot four, the existing house, has not yet been tested; therefore, another testing fee was not included in the total.

Sincerely,

*Kacie Noonan*

Kacie Noonan

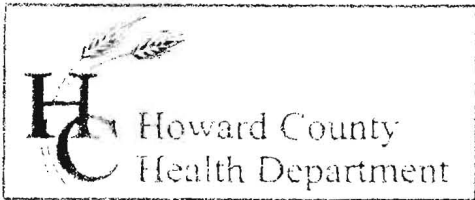
Sanitarian

Well and Septic Program

KN

Cc: file

✓ Sent 10/8/03



3525 H Ellicott Mills Drive, Ellicott City, MD 21043  
(410) 313-2640 Fax (410) 313-2648  
TDD (410) 313-2323 Toll Free 1-866-313-6300  
website: www.hchealth.org

Penny E. Borenstein, M.D., M.P.H., Health Officer

May 3, 2004

Mr. Jeff McAlister  
2610 Mullinix Mill Road  
Mt. Airy, MD 21771

Re: Percolation Testing  
Baker Property/ Proposed 4 Lots  
Tax Map: 6 Parcel: 151

Dear Mr. McAlister:

Percolation testing on April 29, 2004 yielded satisfactory soils for lot 2 and heterogeneous soils for the existing house, lot 4. Adjustments needed the proposed septic easement of lot 3 as well as test notes are included. Per our discussion and notes in the field, have the engineer make the following changes:

- Field locate percolation test holes dug NOT per plan (lot 4). Mark each test hole as the sanitarian notes has them labeled, and identify as passed or failed.
- Remove the proposed sand mound test holes as well as the second, northerly septic area on lot three (holes 39-43) from the plan.
- Mark hole 29 on lot 3 as failed, and adjust the SDA as shown.
- Relocate any proposed wells directly down slope of septic easements or not further than 100 feet away from the septic areas.
- Calculate total septic easement area and include them on the plan.
- Ensure all "General Notes" statements are on the percolation certification plan including the lot width statement, and well drilling/ final recordation statement.

If you have any other questions, contact me at 410-313-1775. If the engineer does not have the "General Notes" statements on hand, have him give me a call and I can fax them to their office.

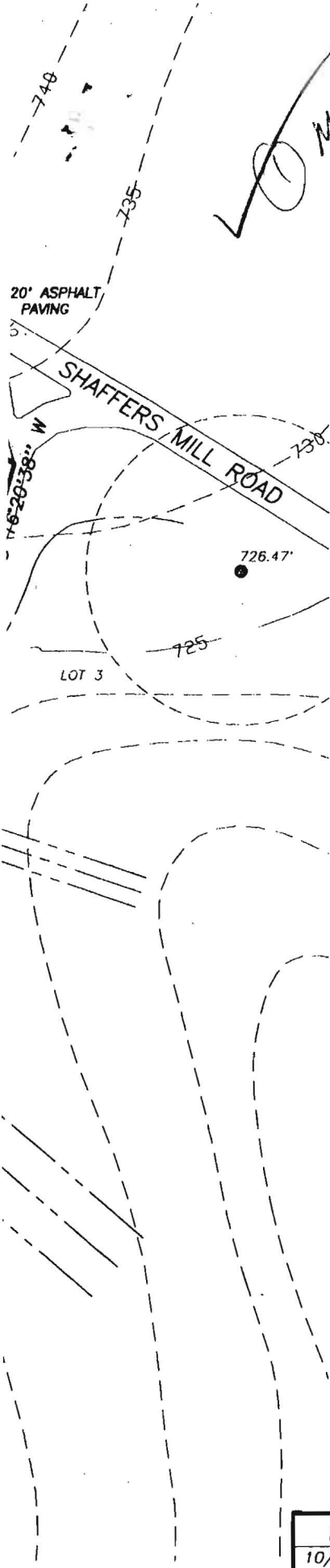
Sincerely,

A handwritten signature in cursive script that reads 'Kacie Noonan'.

Kacie Noonan, R.S.  
Well and Septic Program

KN  
Enclosures

Cc: Vanmar Associates  
file



OWNERS: GERALD R. BAKER  
SHIRLEY A. BAKER  
DEED REFERENCE: LIBER 3399 FOLIO 296  
DATE: NOVEMBER 18, 1994  
GRANTOR: GERALD R. BAKER

2. TAX MAP: 6 GRID: 24 PARCEL: 151
3. NEAREST POTABLE WATER SUPPLY: MT. AIRY DISTANCE: 2 MILE ±
4. THERE IS NO FLOOD HAZARD (100 YEAR FLOOD PLAIN) LOCATED ON THIS PROPERTY ACCORDING TO FEMA FLOOD INSURANCE RATE MAP, COMMUNITY PANEL # 240044 0006 B, REVISED DECEMBER 4, 1986
5. TOPOGRAPHY: HOWARD COUNTY DATUM CONTOUR INTERVALS ARE AT 5 FEET.
6. THERE ARE NO WELLS OR SEPTIC SYSTEMS WITHIN 100' OF THE PROPERTY BOUNDARY UNLESS OTHERWISE SHOWN HEREON.
7. SOIL TYPE: MT. AIRY CHANNERY LOAM ( M1B2, M1D2, M1C2, M1C3, ) GLENELG ( G1C2, G1B2 ) HOWARD COUNTY SOILS MAP No. 5.
8. ZONING DISTRICT: RCDEO
9. ALL WELLS TO BE DRILLED PRIOR TO SUBMITTAL OF SIGNATURE. IT IS THE DEVELOPER'S RESPONSIBILITY TO SCHEDULE THE WELL DRILLING PRIOR TO THE FINAL PLAT SUBMISSION. IT WILL NOT BE CONSIDERED "GOVERNMENT RECORDATION. IF THE WELL DRILLING HOLDS-UP THE HEALTH DEPARTMENT SIGNATURE OF THE RECORD PLAT. ~~IF A WELL SUCCESS RATE IS ACCOMPLISHED AT VARIOUS LOCATIONS WITHIN THE SITE, THE DEVELOPER HAS THE OPTION TO DETOUR OR RELIEF FROM DRILLING THE REMAINING WELLS PRIOR TO BEAR~~

← overlay soil map to id location of these soil prof

remote All wells to be drilled due to well field.

THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREAS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.

THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY MARYLAND STATE DEPARTMENT OF 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 PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS. RECORDATION OF A MODIFIED SEWERAGE EASEMENT SHALL NOT BE NECESSARY.

(PASSED) PERCOLATION TEST SITE:

(FAILED) PERCOLATION TEST SITE:

PROPOSED PERCOLATION TEST SITE:

EXISTING WELL:

PROPOSED HOUSE SITE:

PROPOSED WELL SITE:

DATE	REVISIONS
10/14/02	H.D. COMMENTS
11/25/02	SEPTICS LOTS 1&2
5/21/03	PERC RESULTS & PROP. TESTS
7/15/03	Results & septic esmts.
11/14/03	PERC RESULTS & PROP. TESTS
5/28/04	H.D. COMMENTS

## PERCOLATION CERTIFICATION PLAN

# BAKER PROPERTY

UNLESS OTHERWISE SHOWN HEREON

- 7. SOIL TYPE: MT. AIRY CHANNERY LOAM ( M1B2, M1D2, M1C2, M1C3, )  
GLENELG ( G1C2, G1B2 )  
HOWARD COUNTY SOILS MAP No. 5.
- 8. ZONING DISTRICT: RCDEO

← overlay soil map to id location of these soil prof.

9. ALL WELLS TO BE DRILLED PRIOR TO SUBMITTAL OF SIGNATURE. IT IS THE DEVELOPER'S RESPONSIBILITY TO SCHEDULE THE WELL DRILLING PRIOR TO THE FINAL PLAT SUBMISSION. IT WILL NOT BE CONSIDERED "GOVERNMENT RECOMMENDATION" IF THE WELL DRILLING HOLDS-UP THE HEALTH DEPARTMENT SIGNATURE OF THE RECORD PLAT. IF A WELL SUCCESS RATE IS ACCOMPLISHED AT VARIOUS LOCATIONS WITHIN THE SITE, THE DEVELOPER WILL HAVE THE OPTION TO REQUEST RELIEF FROM DRILLING THE REMAINING WELLS PRIOR TO PLAT.

Remove All wells to be drilled due to well field

10. THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREAS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.

6/21/04  
Most recent plan submitted does not have these revisions


(KN)

301-831-5603


To: Melanie  
From: KC  
Ho Co Health  
Dept


410 313-1775


3 pages total


 THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY MARYLAND STATE DEPARTMENT OF ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL.


MOVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID IN CONNECTION TO PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS. MODIFICATION OF A MODIFIED SEWERAGE EASEMENT SHALL NOT BE NECESSARY.


PROPOSED PERCOLATION TEST SITE: 

EXISTING PERCOLATION TEST SITE: 

PROPOSED PERCOLATION TEST SITE: 

EXISTING WELL: 

PROPOSED HOUSE SITE: 

PROPOSED WELL SITE: 

CONS  
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S 1&2  
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ptic. esmts.  
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ITS

# PERCOLATION CERTIFICATION PLAN

## BAKER PROPERTY

LIBER 3399 FOLIO 296

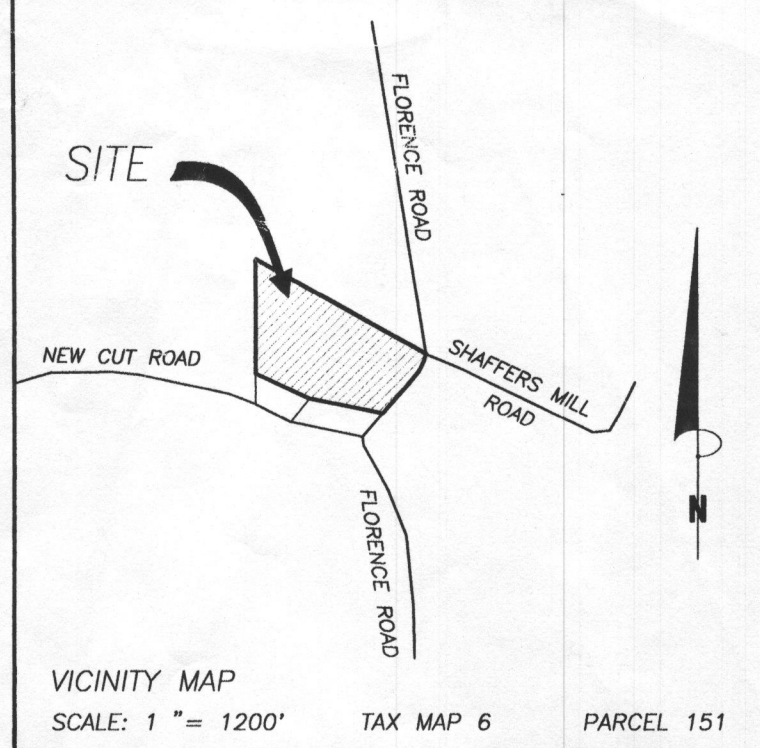
SITUATED ON FLORENCE ROAD  
ELECTION DISTRICT No. 4  
HOWARD COUNTY, MARYLAND  
SCALE: 1" = 100' OCTOBER, 2002



**VANMAR ASSOCIATES, INC.**  
Engineers Surveyors Planners  
310 South Main Street P.O. box 328 Mount Airy, Maryland 21771  
(301) 829 2890 (301)831 5015 (410) 549 2751

REVISOR GAINES  
1/28/04

File name: T:\EP\JOBS\A2-4635\A2-4635



GENERAL NOTES:

- OWNERS: GERALD R. BAKER  
SHIRLEY A. BAKER  
DEED REFERENCE: LIBER 3399 FOLIO 296  
DATE: NOVEMBER 18, 1994  
GRANTOR: GERALD R. BAKER
- TAX MAP: 6 GRID: 24 PARCEL: 151
- NEAREST POTABLE WATER SUPPLY: MT. AIRY  
DISTANCE: 2 MILE ±
- THERE IS NO FLOOD HAZARD (100 YEAR FLOOD PLAIN) LOCATED ON THIS PROPERTY ACCORDING TO FEMA FLOOD INSURANCE RATE MAP, COMMUNITY PANEL # 240044 0006 B, REVISED DECEMBER 4, 1986
- TOPOGRAPHY: HOWARD COUNTY DATUM  
CONTOUR INTERVALS ARE AT 5 FEET.
- THERE ARE NO WELLS OR SEPTIC SYSTEMS WITHIN 100' OF THE PROPERTY BOUNDARY UNLESS OTHERWISE SHOWN HEREON.
- SOIL TYPE: MT. AIRY CHANNERY LOAM (MB2, MD2, MC2, MC3, )  
GLENELG (G1C2, G1B2)  
HOWARD COUNTY SOILS MAP No. 5.
- ZONING DISTRICT: RCDO

THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY MARYLAND STATE DEPARTMENT OF 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 PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS. RECORDATION OF A MODIFIED SEWERAGE EASEMENT SHALL NOT BE NECESSARY.

(PASSED) PERCOLATION TEST SITE:

(FAILED) PERCOLATION TEST SITE:

PROPOSED PERCOLATION TEST SITE:

EXISTING WELL:

PROPOSED HOUSE SITE:

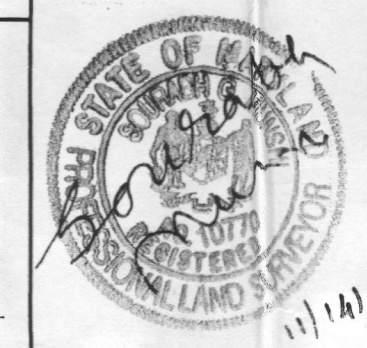
PROPOSED WELL SITE:

DATE	REVISIONS
10/14/02	H.D. COMMENTS
11/25/02	SEPTICS LOTS 1&2
5/21/03	PERC RESULTS & PROP. TESTS
7/15/03	Results & septic esmts.
11/14/03	PERC RESULTS & PROP. TESTS

PERCOLATION TEST PLAN  
BAKER PROPERTY

LIBER 3399 FOLIO 296  
SITUATED ON FLORENCE ROAD  
ELECTION DISTRICT No. 4  
HOWARD COUNTY, MARYLAND  
SCALE: 1" = 100' OCTOBER, 2002

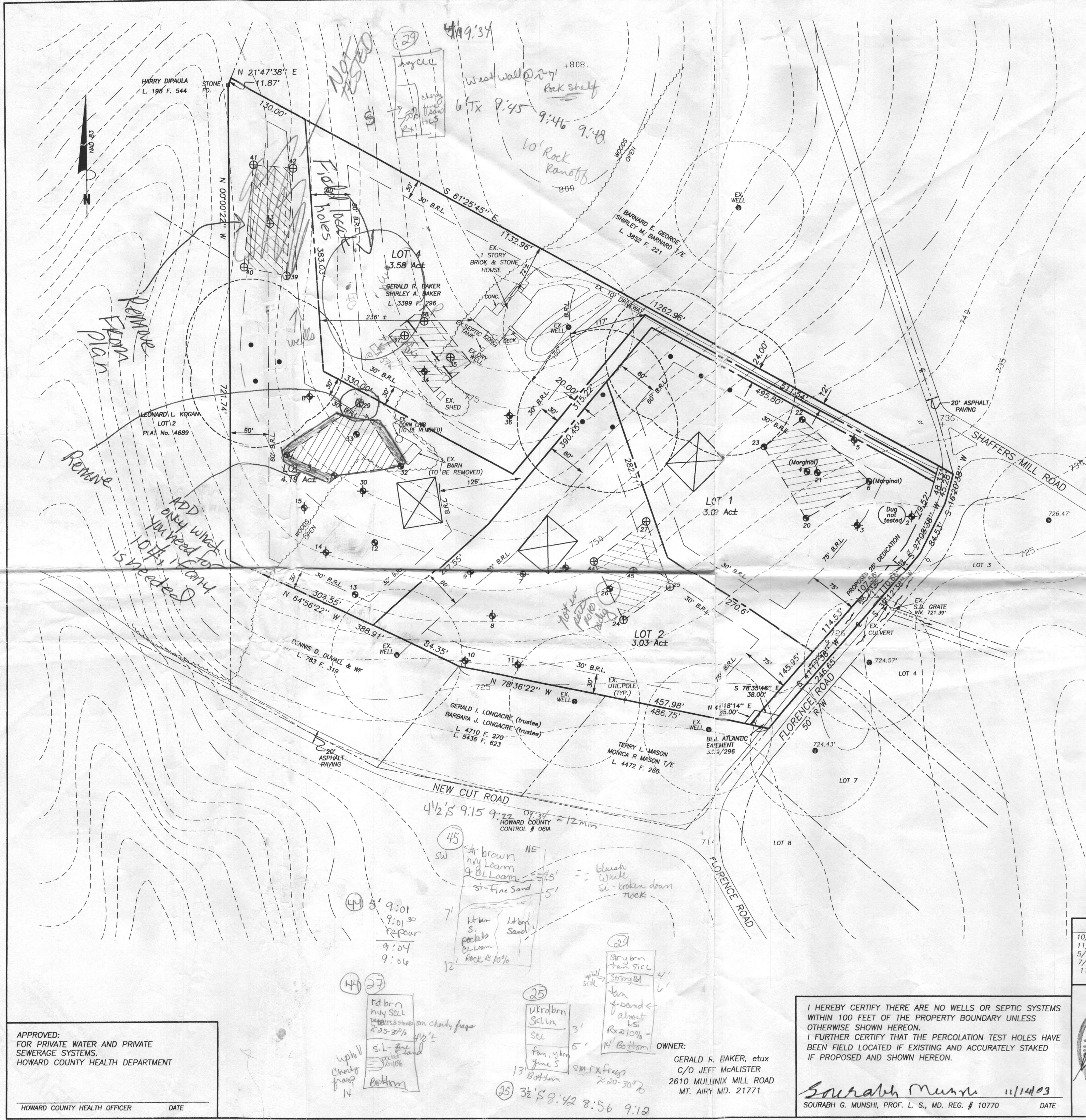
**VANMAR ASSOCIATES, INC.**  
Engineers Surveyors Planners  
310 South Main Street P.O. Box 328 Mount Airy, Maryland 21771  
(301) 828 2890 (301)851 5015 (410) 548 2751



I HEREBY CERTIFY THERE ARE NO WELLS OR SEPTIC SYSTEMS WITHIN 100 FEET OF THE PROPERTY BOUNDARY UNLESS OTHERWISE SHOWN HEREON.  
I FURTHER CERTIFY THAT THE PERCOLATION TEST HOLES HAVE BEEN FIELD LOCATED IF EXISTING AND ACCURATELY STAKED IF PROPOSED AND SHOWN HEREON.

OWNER:  
GERALD R. BAKER, etux  
C/O JEFF McALISTER  
2610 MULLINX MILL ROAD  
MT. AIRY MD. 21771

*Sourabh Munshi* 11/14/03  
SOURABH G. MUNSHI, PROF. L. S., MD. REG. # 10770 DATE



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

HOWARD COUNTY HEALTH OFFICER \_\_\_\_\_ DATE \_\_\_\_\_

45  
st brown nvy loam 9 BL loam si-fine sand

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9:01  
9:01  
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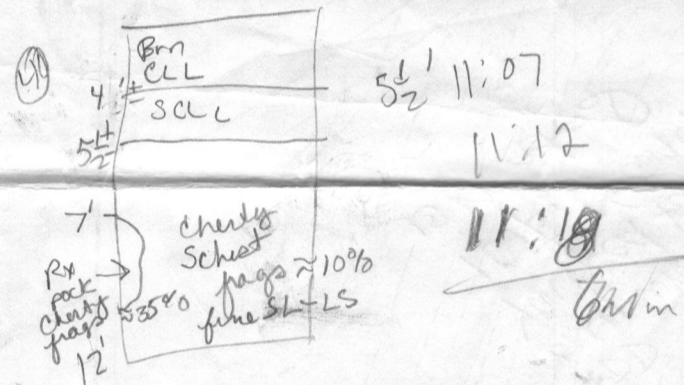
99  
st brown nvy loam 9 BL loam si-fine sand

100  
st brown nvy loam 9 BL loam si-fine sand

27 5' 8:51 8:53 8:55 29 8:45 8:56 9:11

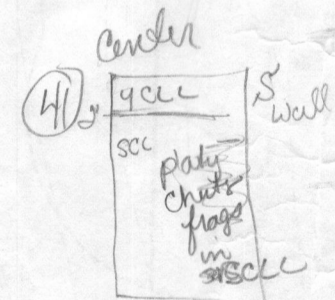
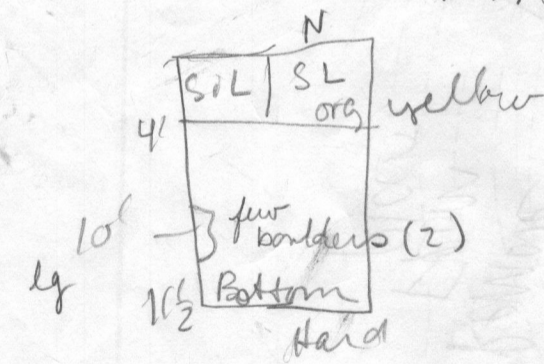
**RECEIVED**  
 NOV 20 2003  
 HOWARD COUNTY HEALTH DEPT.  
 BUREAU OF ENVIRONMENTAL HEALTH

(40)



Sand mound

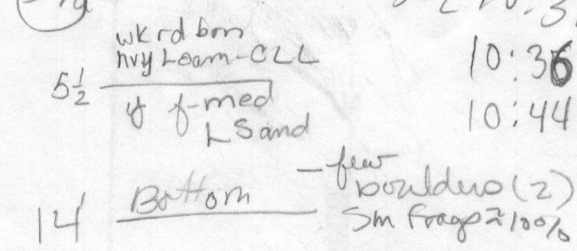
(38) 4 1/2' 10:12 10:15 10:21



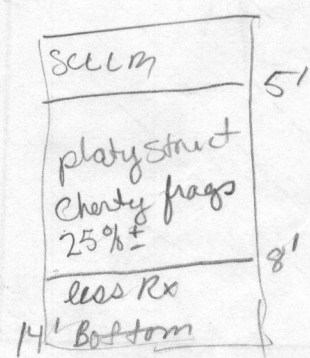
tested in Rock @ 6'

would place bottom

(37) 5 1/2' 10:31 10:36 10:44 8min



(39) 5 1/2' S 10:52 10:54 10:57 3min



SENT  
ON LETTERHEAD

June 2, 2003

Vanmar Associates, Inc.  
C/o Sourabh G. Munshi  
310 South Main Street  
P.O. Box 328  
Mt. Airy, MD 21771

**RE: Revised Percolation Test Plan Proposal: A517963**  
Baker Property  
Tax Map: 6 Parcel: 151

Dear Sourabh G. Munshi:

Our office received a revision of your percolation test plan on May 27, 03. Upon our review, the percolation plan is not acceptable for testing at this time for the following reasons:

- **proposed septic easements on the plan are directly upslope of neighboring wells**
- holes marked "passed" on the plan conflict with the field notes that indicated marginal or failed holes (see enclosed field notes)
- a larger house site for each lot needs to be shown (footprint approximately 55 by 70 feet)

If you have any questions, please contact me at the address above or by calling (410) 313-1771. Thank you in advance for your time and cooperation.

Sincerely,

Kacie Noonan, Sanitarian  
Well and Septic Program

KDN

Enclosures  
Cc: Mr. Baker  
File



3525 H Ellicott Mills Drive, Ellicott City, MD 21043  
(410) 313-2640 Fax (410) 313-2648  
TDD (410) 313-2323 Toll Free 1-866-313-6300  
website: www.hchealth.org

Penny E. Borenstein, M.D., M.P.H., Health Officer

June 19, 2003

Vanmar Associates, Inc.  
C/o Mike VanSant  
310 South Main Street  
P.O. Box 328  
Mt. Airy, MD 21771

*Marked  
on 6/19/03*

**RE: Revised Percolation Test Plan Proposal: A517963**  
Baker Property  
Tax Map: 6 Parcel: 151

Dear Mr. VanSant:

Per our conversation, you expressed a need for clarification on test hole results. Our last letter indicated some holes were marked passed when the notes expressed the results as marginal or failed. Other holes were marked failed when they were not even dug. Detailed notes were taken in the field to help assess these very marginal soils for conventional trench septic systems. Please be advised that percolation testing is one aspect of the site evaluation process done for the acceptability of proposed septic easements. Enclosed is a copy of our regulations pertaining to these issues. I hope the following comments below answer your questions:

- Lot 4, the existing house, has test holes marked passed when the proposed test holes were not dug and tested.
- Test hole # 7 results were marginal and lean towards failing for the following reasons. Although a percolation testing rate at 3'4" passed, there was a restrictive clay loam layer further below at 5'. No signs of perched water table were present, however, the soil layer perched at a rate greater than 30 minutes, with an estimate around 45 minutes. 2 ½ gallons of water was poured in the bottom at 9' and drained in less than a minute. A 4' treatment zone is not established.
- Test hole # 6 perched slowly at 7', however, a perc test was done at 9' in the rock and passed. Treatment area of 4' appears to be available. Further testing and evaluation would be needed yet may not be feasible due to surrounding test hole results and location of adjacent wells downslope. Test hole #6 is shown on the plan as passed. The results are marginal and need to be indicated on the plan as such.
- Test hole #4 perched slowly at 6'10" not meeting our guidelines, however it may pass with a deeper percolation testing. Indicate test hole #4 on plan as marginal.

- Test hole # 2 was marked as failed on the plan. A soil profile was written and appears that the test hole may perc below 6', however, the hole was not tested based on the location of surrounding test holes with failing or marginal results. Indicate on the plan the test hole was dug but not tested.
- Test hole #1 was marked failed on the plan although it was not dug due to the results of test hole #3 and test hole #5. Test hole #1 needs to be removed from the plan since it was not dug or tested.

I thank you for your time in this important matter.

Sincerely,

 (SRK)

Kacie Noonan, Sanitarian  
Well and Septic Program

KDN

Enclosures

Cc: file



3525 H Ellicott Mills Drive, Ellicott City, MD 21043  
(410) 313-2640 Fax (410) 313-2648  
TDD (410) 313-2323 Toll Free 1-866-313-6300  
website: www.hchealth.org

Penny E. Borenstein, M.D., M.P.H., Health Officer

August 25, 2003

Vanmar Associates ✓  
C/o Mike VanSant  
310 South Main Street  
P.O. Box 328  
Mt. Airy, MD 21771

RE: Revised Percolation Test Plan Proposal  
Baker Property  
Tax Map: 6 Parcel: 151

Dear Mr. VanSant:

Our office received a newly revised, percolation test plan proposal on July 24, 2003. Upon our review, the septic easement layout for proposed lot one appears acceptable for additional testing as well as lot three. Please be advised that a plan acceptable for additional testing does not indicate approval of the proposed septic easements. Only a signed percolation certification plan indicates preliminary septic easement approval.

Lot two's proposed septic easement on the submitted plan appears to be directly upslope of an existing well on the Mason property; therefore, the new septic area proposed in this location is unacceptable. In addition, the existing house on proposed lot four is required to establish 10,000 square feet of useable, approvable septic area prior to percolation testing for the other acceptable proposed septic easement locations.

If you would like for a sanitarian to test and evaluate the proposed septic easements for lots one, three, and four, contact our office at 410-313-1771 for additional test dates and fees. Thank you for your time in this important matter.

Sincerely,  
*Kacie Noonan*  
Kacie Noonan  
Sanitarian  
Well and Septic Program

KN

Cc: Jeff McAlister ✓  
file



**VANMAR  
ASSOCIATES INC.**

**Engineers • Surveyors • Planners**

310 South Main Street, P.O. Box 328, Mount Airy, Maryland 21771

(301) 829-2890

(301) 831-5015

(410) 549-2751

(301) 695-0600

Fax (301) 831-5603

**July 15, 2003**

**Ms. Kacie Noonan  
Howard County Health Department  
3525 H. Ellicott Mills Drive  
Ellicott City, Maryland 21043**

**Re: Baker Percolation Test Plan  
A 517963  
Florence Road  
Tax Map: 6 Parcel: 151**

**Dear Ms. Noonan:**

**Thank you for your prompt response to my inquiry regarding the percolation test results. VanMar Associates, Inc. (VMA) has reviewed your correspondence and have caused a revised plan to be prepared and submitted herewith. We offer the following lot by lot response in order that the new plan will be approved for additional percolation testing.**

**Lot 1: Test Hole #1 has been removed. Test Hole #2 has been noted “dug-not tested”. Test Holes #4 and #6 have been noted “marginal”. The proposed septic easement has been amended to an alignment that is similar to the area initially approved for testing and is not directly upgrade of existing wells.**

**Lot 2: Test Hole #7 has been marked as failed. The proposed septic easement has been carefully placed between the gradient flow lines of the existing wells along New Cut Road.**

**Lot 3: The proposed septic easement has been revised uphill by way of an alignment that does not encroach on the previously approved line of Holes #12 and #13. Successful Test Hole #12 has been incorporated into this easement area. Test Hole #16 has been removed from the plan since it was not dug.**

**Lot 4: The proposed test hole symbols have been revised to indicate proposed percolation test site.**



**VANMAR  
ASSOCIATES INC.**

---

**Engineers • Surveyors • Planners**

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Fax (301) 831-5603

**Please review the revised Percolation Test Plan at you earliest convience and inform VMA if the Howard County Health Department concurs with our septic easement to well down gradient assessment. Should the Howard County Health Department disagree with VMA's assessment, then please issue your recommendations as the Approving Authority, in order that a variance may be requested from the Maryland Department of the Environment.**

**If you have any questions, please do not hesitate to contact me.**

**Sincerely,**

**T. Michael VanSant**

**VanMar Associates, Inc.**

**TMV/mag**

**cc: Jeff McAlister**