



# APPLICATION

## FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) 11-8/07 TEST TIME \_\_\_\_\_ (A/P) 520407

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

Tax ID # 05-341450

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 4 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) Marigene Allison

DAYTIME PHONE \_\_\_\_\_ CELL \_\_\_\_\_ FAX \_\_\_\_\_

MAILING ADDRESS 6717 Mint Hollow Road Highland, MD ZIP \_\_\_\_\_  
STREET CITY/TOWN STATE

APPLICANT Joe & Marci Quill

DAYTIME PHONE 301-681-0866 CELL \_\_\_\_\_ FAX \_\_\_\_\_

MAILING ADDRESS 10018 Reddick Drive Silver Spring, MD ZIP 20901  
STREET CITY/TOWN STATE

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

PROPERTY LOCATION SUBDIVISION/PROPERTY NAME Use Driveway for 6717 Mint Hollow LOT NO. \_\_\_\_\_

PROPERTY ADDRESS 6717 Mint Hollow Rd Highland  
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 34 GRID Z1 PARCEL(S) Z88 PROPOSED LOT SIZE 5.886 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.

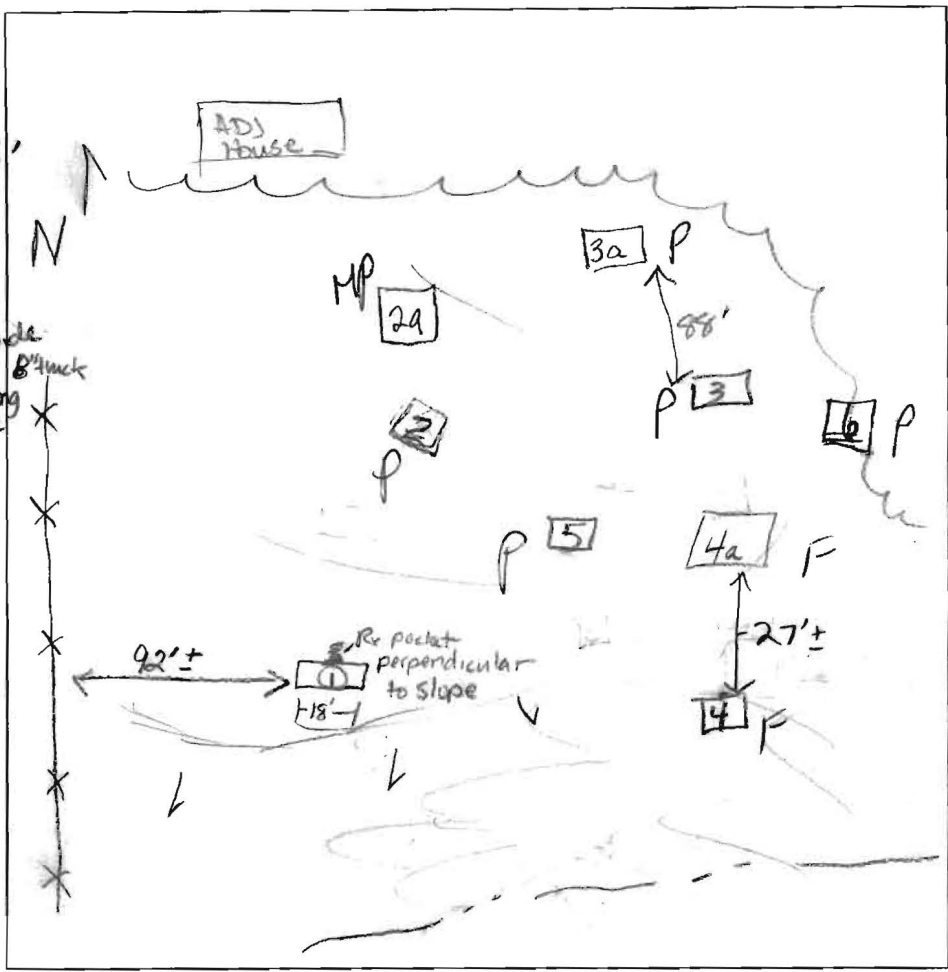
TEST RESULTS WILL BE MAILED TO APPLICANT. Joseph Quill (Joseph Quill)  
SIGNATURE OF APPLICANT

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

APV  
 ①  
 Wk org brn  
 Sil  
 2 1/2 - 3'  
 brn, wk org  
 LS-S  
 3pl  
 Rock 25-30%  
 Rock 6" x 3" x 2"  
 5 1/2' - 6'  
 Rx-Flagstone  
 brn med gr  
 Sand  
 Sig.  
 loose  
 Refusal  
 9 1/2'

③  
 Brn, dk brn  
 CL/L  
 8"  
 12"  
 micac. brn  
 loam  
 3 1/2'  
 wk y brn  
 LS-S  
 Med gr  
 mica 2-40%  
 6'  
 Wk y brn,  
 brn  
 LS  
 micac  
 sig. / E wall  
 3pl  
 Bottom  
 10 1/2'

②  
 Str y brn  
 CL  
 2 1/2'  
 Wk org  
 micac  
 Compact  
 LS  
 6-7'  
 6-7'  
 strong  
 org S  
 compact  
 9'  
 Lt brn,  
 brn  
 S-G-S



(5) F wall  
 8'  
 DK  
 Str org brn  
 Loam  
 15"  
 9'  
 Sil  
 3pl  
 LSand  
 mica 2  
 30%  
 sm chert  
 2" x 3" x 1 1/2"  
 25-30%  
 Bottom  
 12'

3a/2a  
 Str y  
 Sil  
 4 1/2'  
 str red,  
 SL yellow  
 3pl/wk  
 platy  
 Bot 2a  
 refusal  
 @ 8 1/2'  
 10 1/2'

6  
 wa 5'  
 Trace  
 Rx  
 Bottom  
 11'

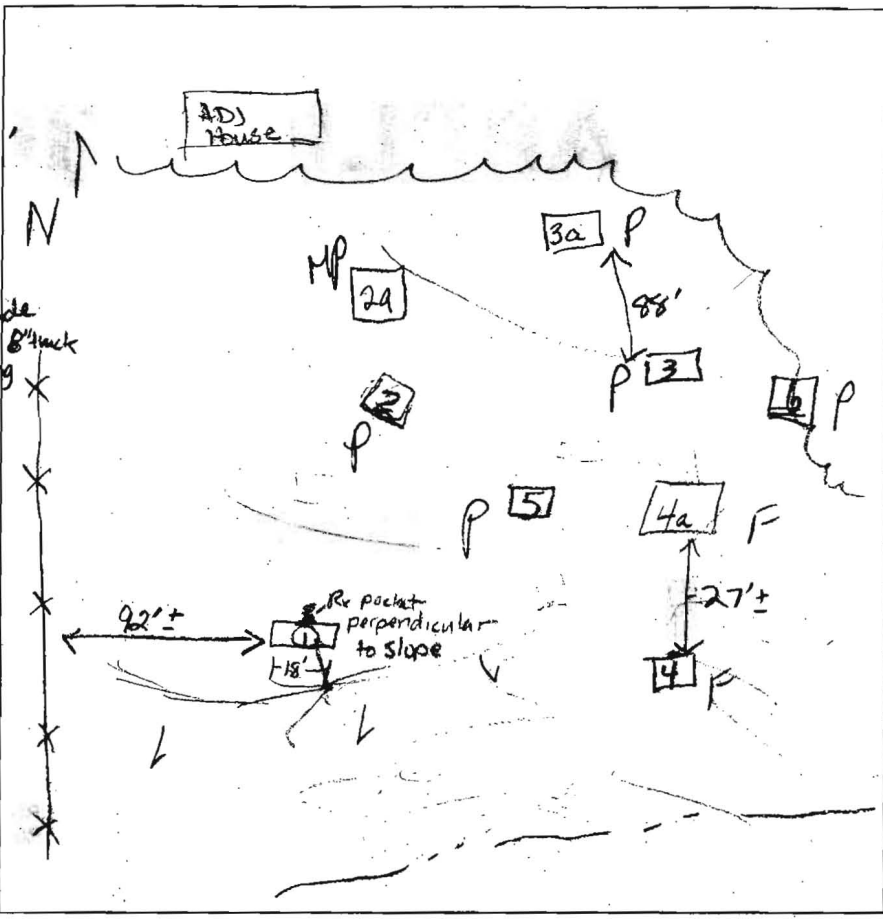
DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2nd INCH	P/F/H
11-8-04	③	2 1/2' S 6 1/2' M 12" diameter	9:29 9:30	9:45 9:34	9:57 9:38	1/2" to go 4+	Est + 25 Min P
	②	3' 0"	9:49	9:52	10:09	16	P
	⑤	5' 8"	10:02	10:07 10" diameter	10:05	3+	P
	④	Refusal @ 6'					Hard Rock begins @ 4' - F
	④a	Refusal @ 7'					F
	③a	5 1/2'	10:33	- Visual			OK
	②a	8'	10:41	Poured bucket		12 min	P
	⑥	6'	11:13	11:19	11:25+	6	P

REMARKS Not per plan 2a, 3a, 4a, 6  
 SANITARIAN Kace BACKHOE Fynck OTHERS Steve Hiss  
 TEST HOLES USED IN SDA \_\_\_\_\_ AVG. PERC TIME 16 SQ. FT/BR 240  
 TRENCH WIDTH 3 INLET DEPTH 2 MAX. BOT DEPTH 5 EFFECTIVE SW 3'

AP  
 ①  
 wk org brn  
 S.L  
 2 1/2' 3'  
 brn, wk org  
 LS-S  
 3pl  
 Rack 25-30%  
 Rack 60x30x2"  
 5 1/2'  
 6'  
 Rx-Flagstone  
 2-3' long  
 1 1/2' wide  
 8" track  
 brn med gr  
 Sand  
 Sig.  
 loose  
 Refusal  
 9 1/2'

③  
 Brn, dk brn  
 CL/L 8"  
 12"  
 micac. brn  
 loam  
 3 1/2'  
 wk y brn  
 LS-S  
 Med gr  
 mica 2-40%  
 6'  
 wk y brn,  
 brn  
 LS  
 mica  
 S.G.  
 Wic. / E wall  
 3pl  
 Bottom

②  
 Str y brn  
 CL  
 2 1/2'  
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 6-7'  
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 6-7'  
 Strng  
 Org S  
 compact  
 9'  
 Lt brn,  
 brn  
 S.G.



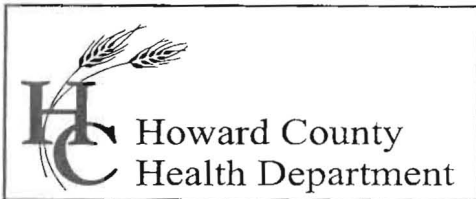
⑤ E wall  
 DK  
 8'  
 Str org brn  
 Loam  
 15'  
 S.L  
 9'  
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 LSand  
 mica 2  
 30%  
 sm chert  
 2" x 3" x 1 1/2"  
 25-30%  
 Bottom  
 12 1/2'

3a/2a  
 Str y  
 S.L  
 4 1/2'  
 str red,  
 SL  
 5  
 3sg/wk  
 Puty  
 Bot 2a  
 refusal  
 @ 8 1/2'  
 10 1/2'

76  
 Wic 5'  
 Trace  
 Rx  
 Bottom  
 11'

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2nd INCH	PIF/H
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 SANITARIAN Kace BACKHOE Fyrck OTHERS Steve Huss  
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 TRENCH WIDTH 3 INLET DEPTH 2 MAX. BOT DEPTH 5 EFFECTIVE SAW 3'



7178 Columbia 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

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

December 22, 2004

LDE

Attn: Steve Heiss

9250 Rumsey Road

Suite 106

Columbia, MD 21045

Re: Allison Property/ Existing Lot of Record  
Percolation Test Plat Review  
Tax Map: 34 Parcel: 288

Dear Steve,

Review of your Percolation Test Plat is not approvable at this time. Due to pockets of excessive rock down slope, the septic area may not extend past the approved holes. For example, there is not a hole dug between failed hole #4a and #3. Therefore, the lowest elevation approvable stops at percolation test hole #3. Slight adjustment for the wells should maintain the required 100' setback. Attached is a rough drawing of a plausible septic disposal area. As a mental note it appears that the BRL will prevent the house from being placed uphill of the SDA; this will become a pumped system.) As a side note, add to the General Notes the necessary lot width statement.

Sincerely,

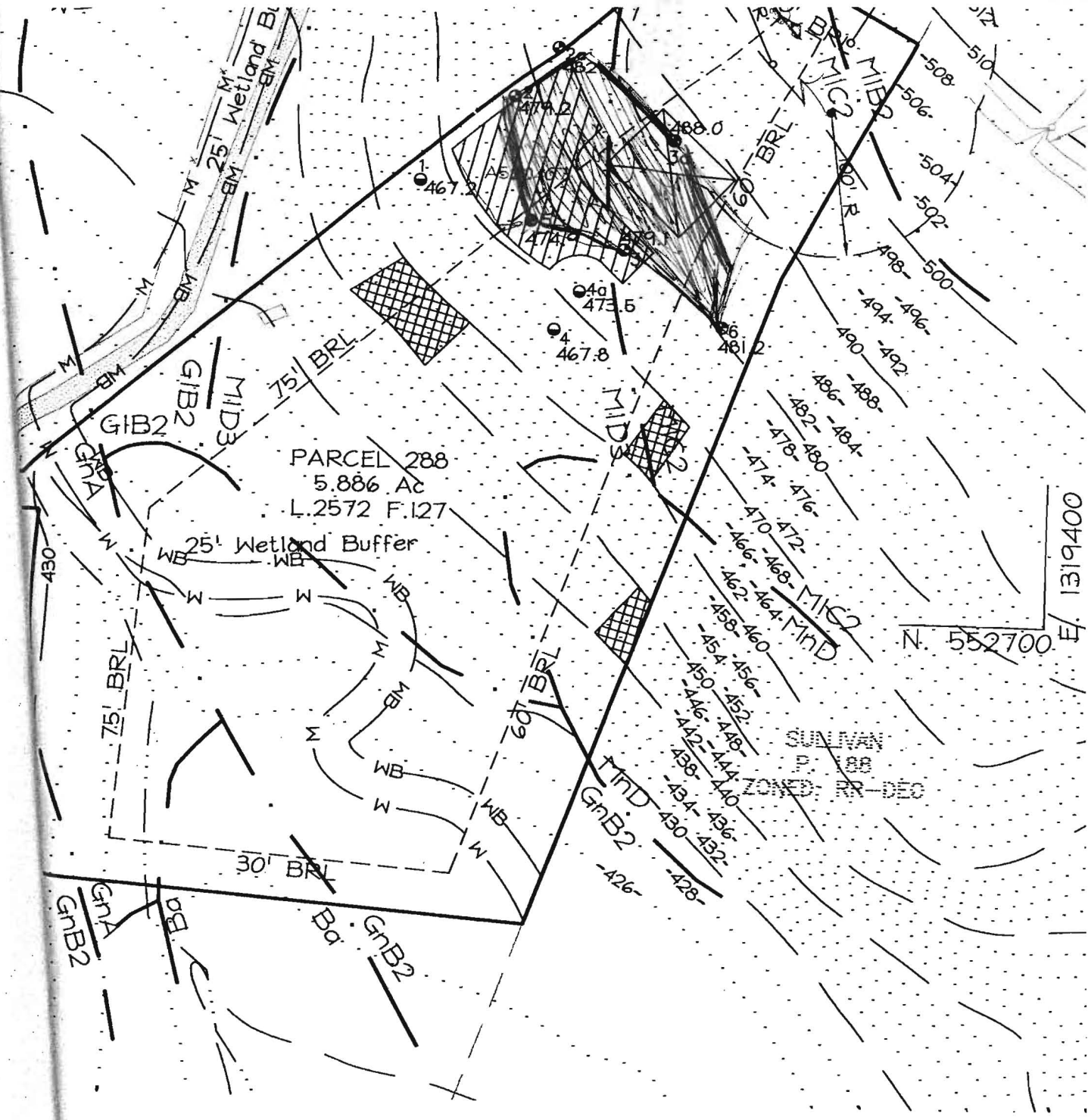
Kacie Noonan, R. S.

Well and Septic Program

Attachment

KN

Cc: file



PARCEL 288  
 5.886 Ac  
 L.2572 F.127

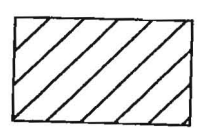
25' Wetland Buffer

N. 552700  
 E. 1319400

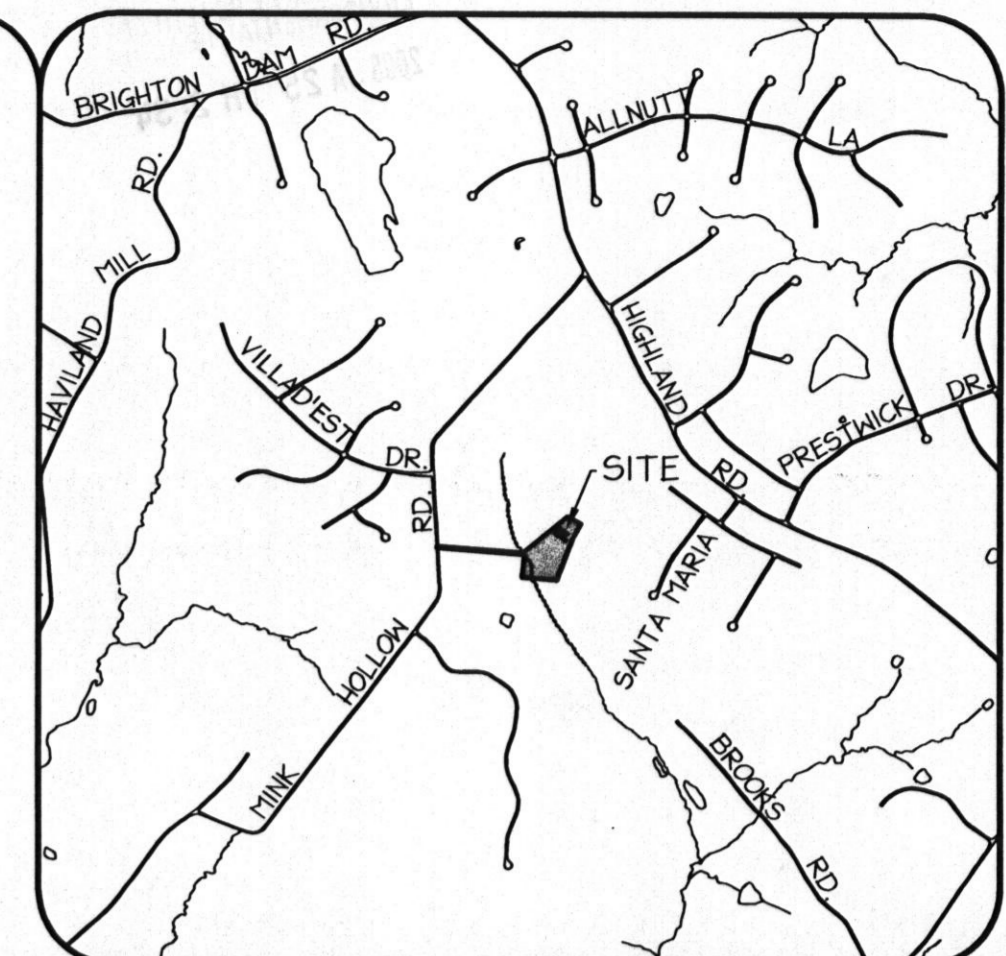
SULLIVAN  
 P. 100  
 ZONED: RR-DEO

...on are based on  
 ...on and are correct  
 ...dge and belief.

...veyor \_\_\_\_\_ Date \_\_\_\_\_



This area designate  
 disposal area required by tl  
 Department of the Environr  
 sewage disposal. Improve  
 this area are restricted unt  
 available. The County Healt  
 the authority to grant adjus  
 sewaae ensement



VICINITY MAP

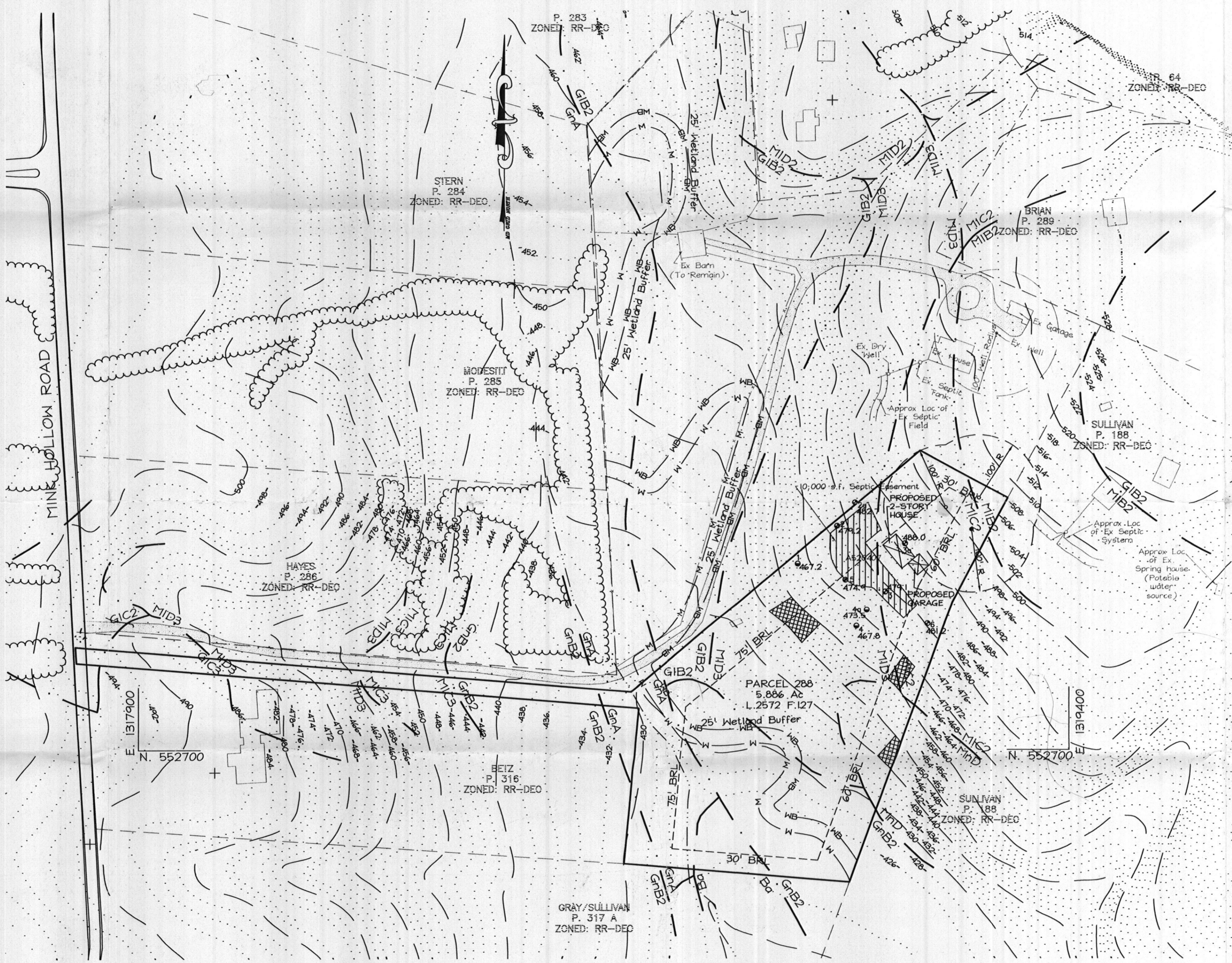
1" = 2000'

NOTES

- The topography shown hereon is based on a Howard County digital photogrammetry map and supplemented with field run topography in the area of the proposed septic easement.
- The property lines shown hereon are based on drawings of record and recorded deeds.
- Unless otherwise shown, no wells or septic systems are located within 100' of the property.
- The purpose of this plan is to provide a useable septic system and well for parcel 288.
- Parcel 288 was established January 10, 1974.
- The lot shown complies with the minimum lot area and ownership width as required by the Maryland State Department of the Environment.
- All wells shall be drilled prior to the issuance of the building permit for parcel 288.

Highlighted well must be drilled first!!

- LEGEND**
- Existing 2' Contour- - - - -
  - Existing 10' Contour- - - - -
  - Existing Fence- x - x - x -
  - Nontidal Wetland Limits- - - - -
  - 25' Wetland Buffer- MB - MB -
  - Existing Treeline- ~~~~~
  - Existing Driveway- = = = =
  - Soils Boundary- - - - -
  - Existing Stream- ~~~~~
  - Percolation Test Hole (Passed)- 2
  - Percolation Test Hole (Failed)- 4
  - 25% or Greater Slopes- [Hatched Box]
  - Proposed Primary Well- •
  - Proposed Secondary- ○



SOILS LEGEND			
HYDROLOGIC SOIL GROUP	SOIL SYMBOL	DESCRIPTION	REMARKS
B	GIB2	Glenelg Loam, 3% - 8% slopes, moderately eroded.	-
B	MIB2	Manor loam, 3% - 8% slopes, moderately eroded.	-
B	MIC2	Manor loam, 8% - 15% slopes, moderately eroded.	-
B	MID3	Manor loam, 15% - 25% slopes, severely eroded.	-
B	MIC3	Manor loam, 8% - 15% slopes, severely eroded.	-
B	GIC2	Glenelg Loam, 8% - 15% slopes, moderately eroded.	-
B	GIC3	Glenelg Loam, 8% - 15% slopes, severely eroded.	-
C	GnB2	Glenelg Silty Loam, 3% - 8% slopes, moderately eroded.	-
C	GnA	Glenelg Silty Loam, 0% - 3% slopes, moderately eroded.	-

**Perc Certification**  
 I certify that the locations shown hereon are based on field locations done under my supervision and are correct to the best of my professional knowledge and belief.

*D. Wayne Keller*  
 D. Wayne Keller, Professional Land Surveyor  
 MD Reg. No. 10585

Date 12/24/05



[Hatched Box] This area designates a private sewage disposal area of at least 10,000 square feet required by the Maryland State Department of the Environment for individual sewage disposal. Improvements of any nature in this area are restricted until public sewage is available. The County Health Officer shall have the authority to grant adjustments to the private sewage easement.

Approved: For private water and private sewerage  
 Howard County Health Department

*Roberto J. Wala*  
 Roberto J. Wala  
 Howard County Health Officer

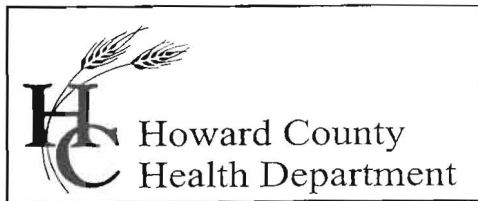
1/27/05  
 Date

**LDE, INC.**  
 9250 Rumsey Road, Suite 106, Columbia, MD. 21045  
 (410) 715-1070 (301) 596-3424 (410) 715-9540 (Fax)

DESIGNED SDH	PERCOLATION APPLICATION TESTING PLAN  <b>ALLISON PROPERTY</b>  Tax Map No. 34 - Grid No. 21 - Parcel 288 5th Election District - Howard County, Maryland Mink Hollow Road Highland, Maryland	SCALE 1" = 100'
DRAWN JLM		DRAWING 1 of 1
CHECKED BDB		JOB NO. 04-042
DATE 12/23/04		FILE NO. -

OWNER: Marigene Allison  
 6717 Mink Hollow Road  
 Highland, MD 20777  
 301-554-3295

CONTRACT PURCHASER:  
 Joe & Nancy Quill  
 10018 Reddick Drive  
 Silver Spring, MD 20901  
 301-681-0666



7178 Columbia 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

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

December 1, 2004

LDE  
Attn: Steve Heiss  
9250 Rumsey Road  
Suite 106  
Columbia, MD 21045

Re: Allison Property/ Existing Lot of Record  
Percolation Test Results A520407  
Tax Map: 34 Parcel: 288

Dear Steve,

Percolation testing conducted on 11/8/04 yielded acceptable test results uphill of percolation test holes #4 and #4a. To continue with the finalization of the Percolation Test Plat, ensure the following criteria are shown on the plat:

- field locate all test holes and label with spot elevations for each test hole, and mark each hole as passed or failed
- show a 1500 square-foot well box between the 508/506 contour line 10' off the lot line (see attached previously approved by Bob Weber) or any other approvable site while maintaining 100' distance to the highest elevation percolation test holes
- show new location of proposed house site
- shade any slope 25% or greater and note in Legend
- locate any major swales, streams, wetland buffers, and any other significant land feature
- ensure all General Notes are included on plan, and also include the date the lot was established

You may wish to combine the percolation certification plan with the building site plan. If you choose to do so, include inverts from the house, septic tanks, and distribution box with trench inverts at 2' and bottom of the trenches at 5'.

For a five bedroom house, 1500 gallon septic tanks are required and 200' of trench. Include the pump chart for the chosen pump showing that it can handle the head pressure existing for the distance of pipe and diameter of pipe on the existing slope. Ensure the septic tanks are not proposed in swales diverting water away from the house.

If you have any other questions or comments, contact me at 410-313-1771. Thank you for your time in this important matter.

Sincerely,

Kacie Noonan, R. S.  
Well and Septic Program

KN

Enclosures

Cc: Christine Martin  
file

Mr. John Boris, R.S.  
Howard County Bureau of Environmental Health  
Water and Sewerage Program  
3525-H Ellicott Mills Drive  
Ellicott City, Maryland 21043-4544

**Re: Allison Property, 6717 Mink Hollow Road, Parcels 287 and 288**

Dear Mr. Boris:

We are writing to explain the latest percolation testing proposal on the Allison Property. Ms. Marigene Allison originally owned both parcels 287 and 288. Parcel 287 consists of 11.017 acres and was planned to be subdivided into one (1) three (3) acre lot and the remainder of the property containing the existing house. A Percolation Testing Application Plan for the subdivision of parcel 287 was submitted to your office, along with the percolation testing applications and the required fee, on June 6, 2004. Please find the receipt from your office enclosed.

Approximately two weeks after the percolation testing application plan for parcel 287 was submitted, we were informed by our client, Mrs. Margaret Cowan, contract purchaser, that she was no longer interested in pursuing the subdivision of parcel 287. Instead, Margaret and her husband decided to buy the entire 11.017 acre parcel and not subdivide it. We immediately notified you of their decision to buy the parcel whole and requested that the percolation testing not be scheduled. The Cowans' are now the legal owners of parcel 287.

Ms. Marigene Allison also owns adjacent parcel 288, consisting of 5.886 acres. This parcel is currently for sale. The contract purchasers of parcel 288, Joe and Marci Quill have now retained our firm to assist them with the percolation testing effort on this 'lot of record'. Until the percolation testing effort is successfully completed, Ms. Marigene Allison retains ownership of parcel 288.

We are herewith submitting two (2) prints of the Percolation Application Testing Plan for parcel 288. This is a 'lot of record' that needs only an approved percolation plat to make application for a building permit. One 10,000 square foot sewage disposal area is proposed on this parcel. Therefore, only a total of five (5) test holes are proposed.

Both parcels 287 and 288 were / are owned by Ms. Marigene Allison. The full percolation testing fee was previously paid for the 10 proposed percolation test holes on parcel 287. Although our office notified you that no percolation testing would be needed on parcel 287, we never requested a refund of the application fee. Therefore, we respectfully request that your office allow the previously paid fee for two (2) lots on parcel 287 to serve as the total fee for the percolation testing of the five (5) holes on parcel 288. The difference between the fee for testing two (2) lots and the fee for testing one (1) lot should adequately cover the fee increase that occurred on July 1<sup>st</sup>.

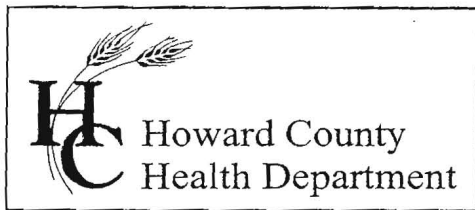
Thank you for your attention to this matter. We look forward to hearing from you regarding possible percolation testing dates.

Sincerely,

A handwritten signature in cursive script that reads "Steve Heiss".

Steve Heiss  
Project Manager

Attachments




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 21, 2004

MEMORANDUM

TO: Marigene Allison  
6717 Mink Hollow Road  
Highland, MD 20777

FROM: Mark Rifkin   
Well and Septic Program

RE: Status of Parcel 12, William Canby Property  
Tax Map, 34, Parcel 288

Subsequent to phone calls requesting information about the referenced property, the Health Department offers the following information for the record:

Percolation tests were conducted on the property in 1976; of these four test holes, one was satisfactory, two were extremely marginal, and one failed due to rock. The inspector also noted concerns with steep slopes and shallow groundwater (copy of test results enclosed). No other percolation tests have been conducted.

While the property has not yet passed a percolation test, the soils information does suggest that there is some potential for approval. Additional percolation testing would be necessary to establish a sewage reserve area before the Health Department can issue any permit approvals. Based on available soils and topographical information, the most potential appears to be at least 60-75% up the hill (at least 400' from the end of the driveway). This would likely result in a situation requiring a pumped septic system since the most appealing house site may be lower on the hillside.

Initiation of the percolation testing process would require preparation of a plan, an application, and a \$225 test fee. Please see the enclosed *Percolation Test Requirements* and an application.

In order to reduce the confusion of multiple requests for information, please forward this information to all realtors or interested buyers. Thank you for your attention to this matter.

MR  
cc: File