

APPLICATION

PERCOLATION TESTING

A 518986

F _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2640

DISTRICT 5TH

DATE 5/27/03

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

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

PROPERTY OWNER SAMIR B. HISHMIEH & MARY WELDON HISHMIEH, T/E
13058 TWELVE HILLS ROAD
ADDRESS CLARKSVILLE, MD. 21029-1143 PHONE 410-531-2316

AGENT OR PROSPECTIVE BUYER N/A
ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION TWELVE HILLS - SECTION THREE LOT NO. 52
ROAD AND DESCRIPTION 13058 TWELVE HILLS ROAD

TAX MAP 28 PARCEL # 381

SIZE OF LOT 3.6260 ACRES TYPE BLDG. SINGLE FAMILY DWELLING
(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]
(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

APPLICATION

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PROPERTY OWNER SAMIR B. HISHMEH & MARY WELDON HISHMEH, T/E

ADDRESS 13058 TWELVE HILLS ROAD
CLARKSVILLE, MD 21029-1143 PHONE 410-531-2310

AGENT OR PROSPECTIVE BUYER N/A

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION TWELVE HILLS - SECTION THREE LOT NO. 51

ROAD AND DESCRIPTION 13058 TWELVE HILLS ROAD

TAX MAP 28 PARCEL # 381

SIZE OF LOT 3.1133 AC TYPE BLDG. SINGLE FAMILY DWELLING
(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]
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THIS IS NOT A PERMIT

AP (4)

Brn, roots
SLM granular
6"

Wk brn
lt brn
LMS w/ some roots
18"

Strong brn
wk org brn
CL Lm
dense
pockets
of strong
org CLLm
Rx < 5%

5'

Str brn, org brn
SLM Qtz
layer 2/10%

6'

MED BRN
Loam, TIGHTLY packed
Rx @ 12% & 20%

(1)

Brn
s.g. & some
bk structure
roots
Loam
Trace Kx

2'

Dense
Str brn
CL Layer
micaceous

3'

rd brn
micaceous
SLM
tightly packed
single grains

4 1/2'

Hard micac.
Saprophyte
layer 2/10-15%

rd brn, dk brn
lt brn
LSand

Rx 2/10-15%
Bottom

12'

(2)

Strong brn
ybrn
SCL Lm
dense
Rx @ 10%

5'

5-10% organic
debris

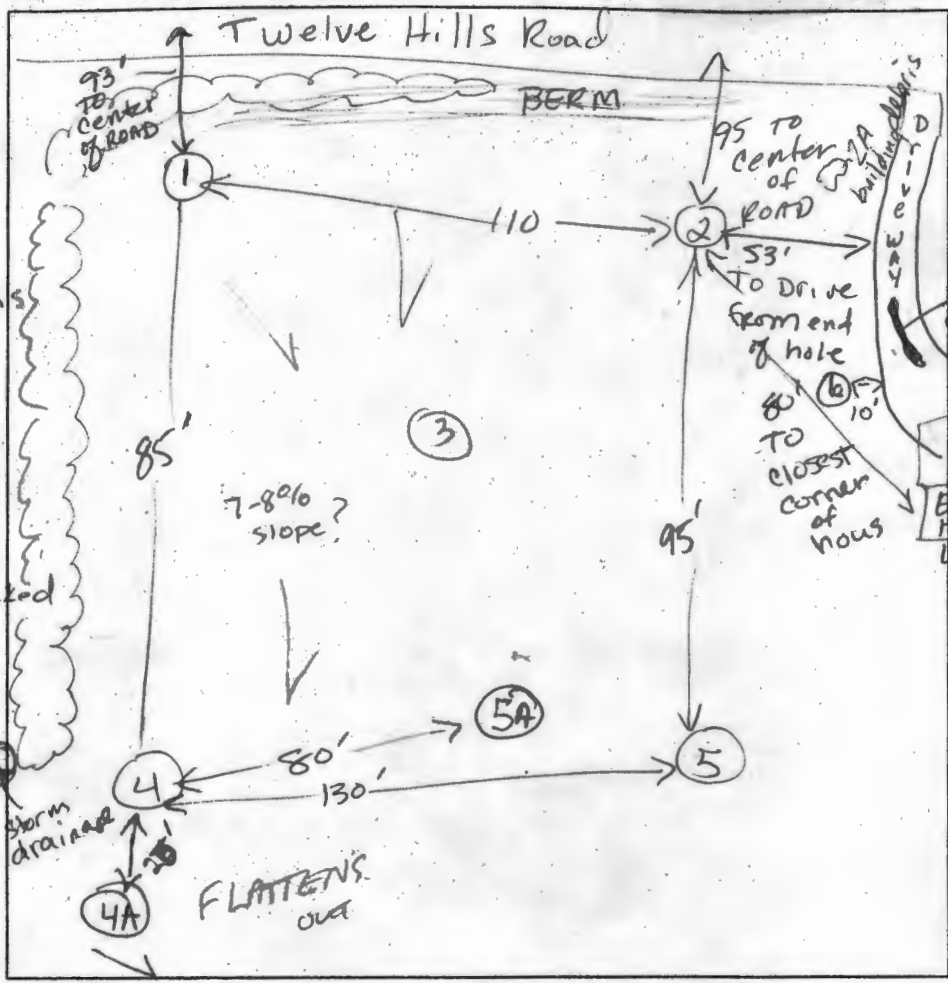
Dense ybr
CL Lm

6" to
6 1/2"

Brn
ybrn
micac.
LSand
Rx 2/10%

Bottom

16'



(6) (5)

Strong org brn
organic material
Dense CL Lm

5'

Decayed
Rock white
Strong org
break open
peds grey/red (spots)

13'

(5A)

DK Brn
Dense
CL Lm

2'

Strong young
CL Lm

5'

Str org
SLM - Lm
R: bboss = 3/4"

some mottles

13' water

(3)

Dense
PBRN
SCL Lm

5'

Dense
CL

Org Lm
to SLM

Trace
Rx

STOPPED
DIGGING
@ 12' OK

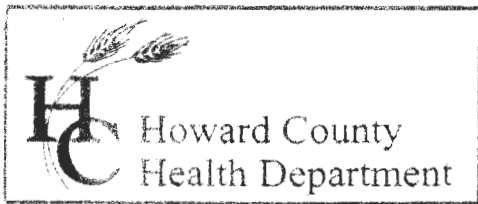
DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2nd INCH	P/F/H
7-14-03	(4)	6 1/2' / 12'v	9:13 ³⁴	9:23	9:31	8	P
	(1)	4 1/2' / 12'v	9:24 ³⁰	9:32 ²⁸	9:41	9	P
	(2)	7' M / 16'v	9:59	10:02	10:07	5	P
	(6)	Visual					F
	(5)	Visual	more Kx frags than @ 4				F
	(4A)	Visual	mottles @ 6 1/2' - water @ 13'				F
	(5A)	5 1/2' / 13'v	11:06	11:01	11:17	6	A/P
	(3)						P

REMARKS ADJUSTED LOT 51 SDA (5A) Well drained soils, expect H₂O to reach 11'

SANITARIAN Kacie Noonan BACKHOE _____ OTHERS _____

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

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



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

July 14, 2003

Mr. and Mrs. Hishmeh
13058 Twelve Hills Road
Clarksville, MD 21029

RE: Percolation test results –**A518986**
Proposed SDA for Subdivision/ Two-lot
Tax Map: 28 Lots:51, 52

Dear Mr. and Mrs. Hishmeh:

Percolation testing conducted Monday, July 14, 2003 on the existing property, proposed lot 51, yielded a limited area of satisfactory soil conditions. Soils included an impermeable deep clay layer around 5' and water table with observed mottles in lower test holes. Copies of the percolation test notes enclosed.


Further review is contingent upon submission of a percolation certification plan by a professional engineer with holes field located by a licensed surveyor. This plan must include the following:

- actual locations of all excavated test holes, labeled as documented on the test notes, and indicate as passed or failed
- suitable well and house location with an accurate house footprint
- locations and intent of any existing structures on the property
- locations of any streams, **drainage swales** (storm drain located on south side of property near adjacent lot), or springs on the property
- field run contour lines at 2-foot intervals with clearly defined elevation labels (Topography on testing plan not accurate with field inspection)
- locations of any wells or septic systems within 100 feet of the property laterally and any wells down slope of the proposed septic area up to 200 feet away
- adjustment of the SDA maintaining 25' from failed test holes (6, 5, and 4A) showing 10,000 square feet
- required "General Notes" such as lot width statement..., but also include...
- an additional note for Lot 51 that says, "The third septic trench system shall be no deeper than 6 feet below grade if/when a second repair system is needed"

Another site inspection for lot 52 is scheduled on Thursday, July 17, 2003. Currently, the existing septic area is shown (topographically) directly upslope of an adjacent lot's well. An inspection is necessary to identify if the topography on the plan matches with topography in the field. Although approval was granted for the septic area in the past,

the Approving Authority may deem it necessary to establish an acceptable septic area according to current COMAR regulations. COMAR 26.04.02.05 (C) states, "On-site sewage disposal systems shall be located downgrade from private water supplies..." Variances are not a norm and would not be considered unless no other options for an acceptable easement can be established.

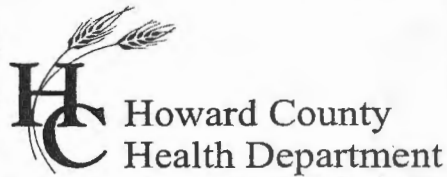
If you have any questions regarding this matter, please contact me at the address below or by calling (410) 313-1771. Thank you in advance for your time and cooperation.

Respectfully,


Kacie Noonan, Sanitarian
Water and Sewerage Program

KDN
Enclosures

cc: Benchmark Engineering, Inc.
File




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

MEMORANDUM

TO: Cindy Hamilton, Planning Manager
Howard County Department of Land Development

FROM: Stuart F. Oster, Registered Sanitarian 
Howard County Environmental Health

DATE: December 1, 2004

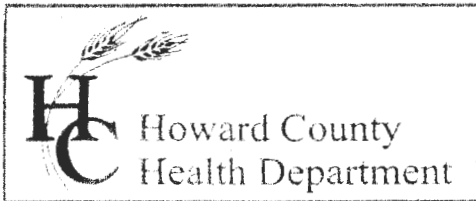
SUBJECT: F-04-091 – Twelve Hills, Section 3, Lot 52

The Percolation Plat was approved and signed by the Health Officer on 8/14/2003 for private septic sewerage service for the above mentioned lot.

The well located on this lot known as Twelve Hills, Lot #52 has been drilled and has received preliminary approval by the Howard County Health Department.

The recordation of plat F-04-091 should not be held up any longer due to issues involving well drilling as the developer of this project has fulfilled this prerequisite. If there are any questions involving this particular memorandum, please call me at 410-313-1771.

Cc: Benchmark – Don Mason (fax 410-465-6644)
File



3525 H Ellicott Mills Drive, Ellicott City, MD 21043
(410) 313-2640 Fax (410) 313-2648
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Penny E. Borenstein, M.D., M.P.H., Health Officer

December 23, 2003

TO: Cindy Hamilton
Chief, Division of Land Development

FROM: Kacie Noonan *KN*
Well and Septic Program
Development Coordination Section

RE: File Number: F-04-091
Title: Twelve Hills, Section 3, Lots 51 & 52

The following comments apply to the plan prepared by Benchmark Engineering. The revisions/corrections mentioned below must be corrected prior to plan approval or signature. Applicant is advised to revise and resubmit prior to signature.

- Please include all necessary Health Department language from the signed Percolation Test Certification Plan.
- Please show proposed well location on Lot 52.
- Please show existing well location on Lot 51.
- As of this date, a well has not been drilled on Lot 52. A well completion report and yield test must be completed on the well to be drilled on Lot 52 prior to final plan approval.

JAB



HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
3430 Courthouse Drive ■ Ellicott City, Maryland 21043 ■ 410-313-2350

Marsha S. McLaughlin, Director

www.co.ho.md.us

FAX 410-313-3467

TDD 410-313-2323

March 9, 2004

Donald A. Mason, P.E.
Benchmark Engineering, Inc.
8480 Baltimore National Pike
Ellicott City, Maryland 21043

RE: F 04-91/Twelve Hills
Sec.3, Lots 51 & 52

Dear Mr. Mason:

In response to your request for an extension of time by which to submit revised plans for the above referenced project, please be advised of the following:

Based upon the information you have submitted indicating the continuous efforts of the property owners to resolve difficulties encountered in providing a suitable lot design for the subject site, this Division will grant a **45 day extension** of time by which to submit revised plans from March 19, 2004, to **May 3, 2004**. This extension of time is necessary in order to incorporate the decision to be rendered in an Administrative Adjustment request to reduce the lot width requirement of proposed Lot 52. The hearing date for the Administrative Adjustment is scheduled after the deadline to submit revised plans.

In addition, you are advised that Comment No. 2 of comments dated January 27, 2004, from the Division of Land Development, should be acted upon as soon as possible. A waiver to Section 16.120(b)(4)(iii) of the Subdivision Regulations will be required to allow environmental areas on lots less than ten acres in size.

If the revised final plans are not received on or before May 3, 2004, this plan will become null and void in accordance with Section 16.144 of the Subdivision and Land Development Regulations. You will be required to comply with all plan submission requirements and regulations in effect at the time of resubmission. Should you have any questions regarding this matter, please contact Jeanette Anders, (410) 313-2350 at your convenience.

Sincerely,

Cindy Hamilton, Chief
Division of Land Development

:btb

cc: Research/DED/SCS/Health
Mr. and Mrs. S.Hishmeh
Mr. Paul Von Steim

