

# APPLICATION

PERCOLATION TESTING

A \_\_\_\_\_

P \_\_\_\_\_

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

11/21/97  
Voluntary  
re-evaluation  
of recorded  
septic easement.  
No fee, AUM

DISTRICT \_\_\_\_\_

DATE 11/14/97

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 Richard E. & Mary V. Muir

ADDRESS 14354 Triadelphia Mill Rd, Dayton, MD 21036 PHONE 410-331-3972

AGENT OR PROSPECTIVE BUYER John C. & Suzette Sommerer

ADDRESS 1812 Tufa Terrace, Silver Spring, MD 20904 PHONE home: 301-384-5211 work: 301-953-5339

PROPERTY LOCATION:

SUBDIVISION Kalmia Farms LOT NO. 7

ROAD AND DESCRIPTION 14762 Betula Way, Dayton, MD

TAX MAP \_\_\_\_\_ PARCEL # \_\_\_\_\_

SIZE OF LOT 3.516 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. Suzette Sommerer  
(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

COUNTY #

SOIL PROFILE

0' A  
red brown  
SiCLM

5.0  
lgt brown  
SiLM  
Some  
sand  
100%  
Rx

10.0  
40-50%  
Rx

11.0

B

4.5  
bright  
red  
SiCLM

lgt  
orange  
SiLM  
100%  
Rx

30-40%  
Rx  
at  
10.5

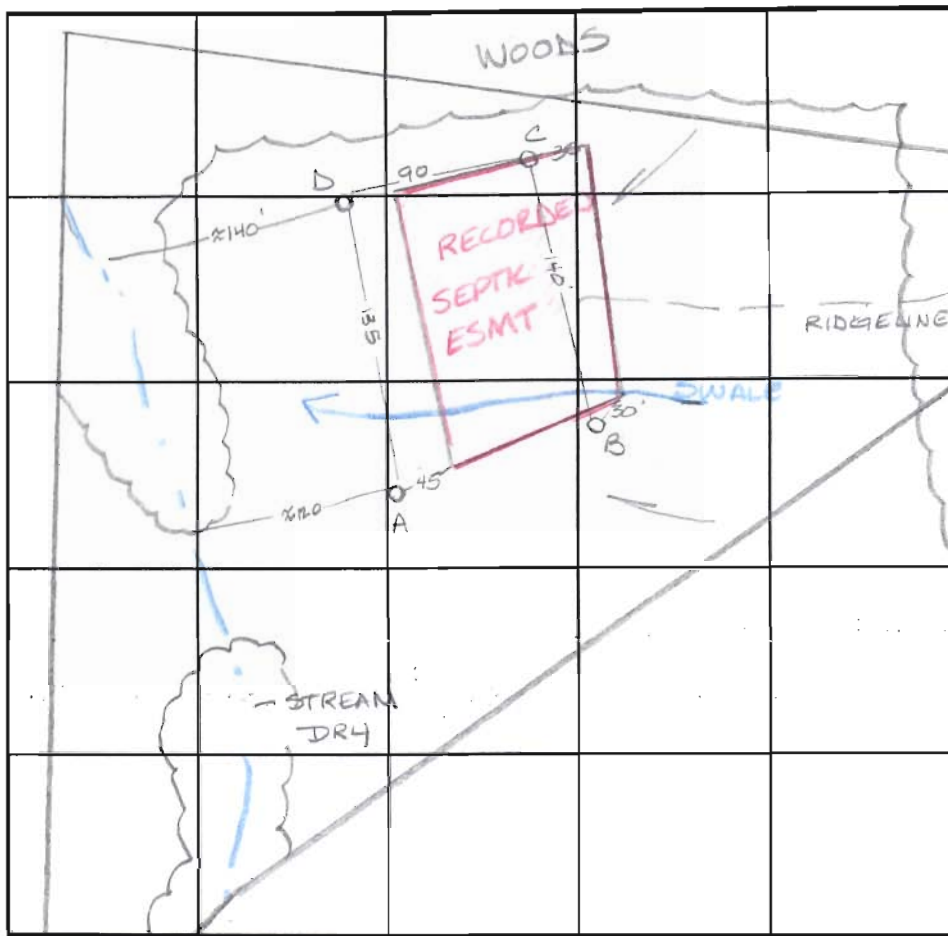
11.0

C,D

4.0  
bright  
red  
SiCLM

grey  
SaLM  
pocket  
of  
40%  
Rx  
from  
7-10'

11.0



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Betula Way (end of court)

SOIL PROFILE

0'

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
11-21-97	A	5.5 / 11.0	10:13	10:14 <sup>30</sup>	10:14 <sup>30</sup>	10:19	4 1/2 min	
	B	Visual	to 11.0 - see profile - OK					
	C	4.0 / 11.0	10:22 <sup>30</sup>	10:24 <sup>30</sup>	10:24 <sup>30</sup>	10:26	2 1/2 min	
	D	Visual	to 11.0 - see profile - OK					

REMARKS Adjust septic esmt. towards woods out of swale

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

TESTED BY Amy McMillen ALSO PRESENT Suzette Sommerer

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 2 min TRENCH WIDTH 3.0

INLET DEPTH 3.0 MAXIMUM BOTTOM DEPTH 5.0 SQ. FT./BEDROOM 190



SEPTIC SPECIFICATIONS WORK-SHEET

SUBDIVISION: Kalmia Farms

A 27487

STREET NAME: Betula Way

LOT NUMBER: 7

AVERAGE PERCOLATION RATE: 2min SQUARE FEET PER BEDROOM: 180

NUMBER OF BEDROOMS: \_\_\_\_\_ LINEAR FEET OF TRENCH PER BEDROOM: 60

TOTAL LINEAR FEET OF TRENCH: \_\_\_\_\_ SEPTIC TANK CAPACITY: \_\_\_\_\_

TOP SEAMED TANK REQUIRED?  YES  NO

COMPARTMENTED TANK REQUIRED? YES  NO

TRENCH DIMENSIONS: Trench to be 3.0 feet wide. Inlet 3.0 feet below original grade. Bottom maximum depth 5.0 feet below original grade.

Effective area begins at 4.0 feet below original grade. 2.0 feet of stone below distribution pipe.

=====
PUMPED SYSTEM PROPOSED: YES  NO

PUMPED SEPTIC SYSTEM DETAIL: \_\_\_\_\_ gallon pump chamber.

YES NO Top seamed pump chamber required?

Note 1: Septic pump detail to be provided by installer prior to issuance of septic permit.

Note 2: Pump performance test is necessary prior to Health Department approval of pumped septic system.

=====
LOCATION: Hold for possible revised perc permit 11/21/97 JLU

ADDITIONAL NOTES: \_\_\_\_\_

Reviewer: \_\_\_\_\_

Date: \_\_\_\_\_



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**HOWARD COUNTY HEALTH DEPARTMENT**

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*Joyce M. Boyd, M.D., County Health Officer*

11-21-97

TO: MRS. Sommerer  
(FAX) 301-953-6587

FROM: Amy McMullen

RE: Kalmia Farms - Lot 7

Here is a copy of the approved area  
for a well site - The well may go  
anywhere within the shaded area

A McMullen

Number of pages (including cover sheet): 2





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## HOWARD COUNTY HEALTH DEPARTMENT

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*Joyce M. Boyd, M.D., County Health Officer*

November 21, 1997

Richard E. & Mary V. Muir  
14354 Triadelphia Mill Road  
Dayton, Maryland 21036

RE: Percolation test results  
Application Number: 27487  
Proposed Use: Re-evaluation of the  
recorded septic easement  
Property ID: Kalmia Farms - Lot 7  
Betula Way

Dear Mr. & Mrs. Richard Muir:

Percolation testing conducted November 21, 1997 on the above referenced property yielded satisfactory soil conditions.

Copies of the percolation test results are enclosed.

A Percolation Certification Plan showing the following information should be submitted to this office by a registered engineer:

- actual locations & elevations of all excavated test holes
- suitable house and well sites on each lot
- locations of existing wells and septics that are on the property
- locations of all existing structures on the property
- locations of existing wells and septics within 100 feet of property boundaries
- streams/swales/springs and any other relevant landscape features
- contour lines

This plan should be submitted within 60 days to allow field verification if necessary.

If you have any questions regarding this matter, please feel free to contact me at the address below or by calling (410) 313-2640.

Very truly yours,

Amy Mc Millen, R.S.  
Water and Sewerage Program

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AM:am

cc:File

Bureau of Environmental Health  
3525-H Ellicott Mills Drive Ellicott City, Maryland 21043-4544  
Water and Sewerage, Permits (410) 313-2640 Community Environmental Health (410) 313-2644  
Food Protection Program (410) 313-2642 TDD (410) 313-2323

THE JOHNS HOPKINS UNIVERSITY  
 APPLIED PHYSICS LABORATORY  
 LAUREL, MD 20723-6099



ENGINEERING ANALYSIS (A3B)  
 CLASS "B" FACSIMILE COVER SHEET

11/25/97  
 Date

TO

NAME Amy McMillen

OF Howard Co. Environmental Health

FAX PHONE NO. 410-313-2648

TELEPHONE NO. 410-313-2640

FROM:

NAME Suzette Sommerer

FAX PHONE NO. 301-953-6587  
410-792-6587

TELEPHONE NO. 301-953-5339

2

Total Pages  
 (including cover)

SUBJECT Site Plan for 14762 Betula Way, Kaimia Farms

REMARKS

Amy,

Here is the site plan. I made the house NICE & BIG, as you suggested (no way we would want that monster - we'd get lost inside!). I think you'll probably get a second copy from Easterday with the well permit application, but I just wanted to make sure you had everything you needed. Thanks for your help in putting this together.

Suzette

THE DATA IN THIS COMMUNICATION IS SOLELY FOR INFORMATIONAL PURPOSES AND SHALL IN NO WAY CONSTITUTE A CONTRACTUAL COMMITMENT ON THE PART OF JHU/APL.

I hereby certify that all pages of this message are UNCLASSIFIED.

Sender Signatur : Suzette Sommerer

Date 11/26/97



THE JOHNS HOPKINS UNIVERSITY  
 APPLIED PHYSICS LABORATORY  
 LAUREL, MD 20723-6069

NO. 017 201

ENGINEERING ANALYSIS (A3B)  
 CLASS "B" FACSIMILE COVER SHEET

14762

12/2/97  
 Date

TO:

NAME: Amy McMillen

OF: Howard Co. Environmental Health

FAX PHONE NO: 410-313-2648

TELEPHONE NO: 410-313-2640

FROM:

NAME: Suzette Sommerer

FAX PHONE NO: 301-953-6587  
410-792-6587

TELEPHONE NO: 301-953-5339

2  
 Total Pages  
 (including cover)

SUBJECT: Site Plan for 14762 Betula Way, Kalmia Farms

REMARKS

Amy,  
 I've signed the plan, as requested.

Suzette

THE DATA IN THIS COMMUNICATION IS SOLELY FOR INFORMATIONAL PURPOSES AND SHALL IN NO WAY BE CONSIDERED A CONTRACTUAL COMMITMENT ON THE PART OF JHU/APL.

It is hereby declared all pages of this message are UNCLASSIFIED.

Signature: [Handwritten Signature]

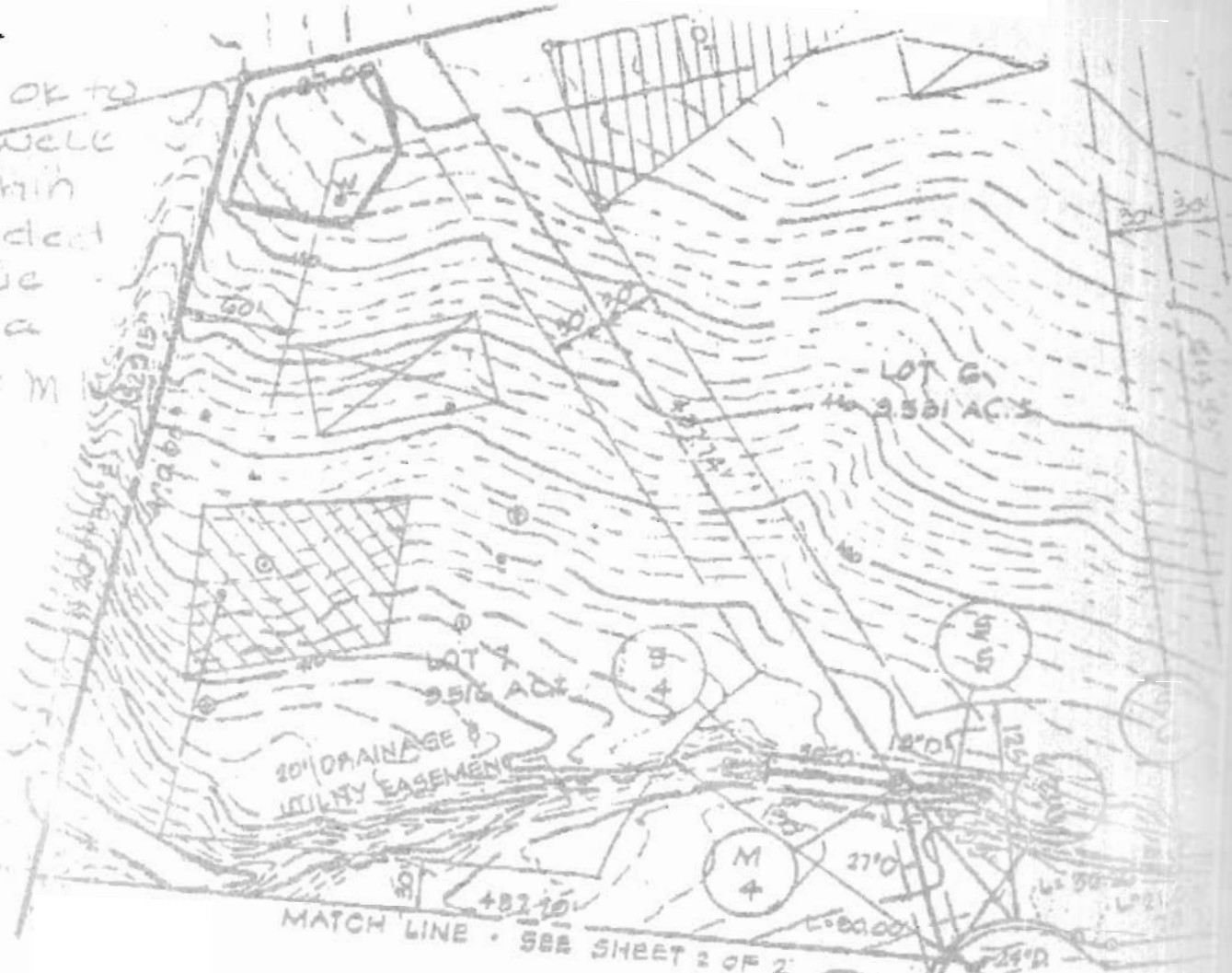
12/2/97

P2-511

410-792-6587

11/21/97 OK to  
 drill well  
 within  
 shaded  
 blue  
 area  
 A.M.M.

W.S.E.C.  
 1/27/18, 11/01, 10/3/90



### PERCOLATION TEST DATA

**OLD LOT NUMBERS**

- Original Perc Holes
- ⊙ New Perc Holes 11/97

**NEW LOT NO.**

**AVERAGE PERC. TIME IN MINUTES FOR 2ND INCH. ITS HIGHEST**

**MAX. DEPTH PERMITTED FOR EFFLUENT PIPE TO ENTER SEWAGE DISPOSAL AREA AT ITS HIGHEST ELEV. WITH REF. TO EX. GRADE AT TIME OF TEST**

4/77	7/77	4/78	7/78	7/79	11/79	11/79	TIME	MAX. DEPTH
58	69	1	1	1	1	1	9	3 1/2'
57	68	2	2	2	2	2	6	3 1/2'
56	67	3	3	3	3	3	11	4'
55	66	4	4	4	4	4	10	4'
54	65	5	5	5	5	5	13	4'
53	64	6	6	6	6	6	3	4'
52	63	7	7	7	7	7	7	4'
51	62	8	8	8	8	8	8	3'
50	61	9	9	9	9	9	6	4'
49	60	10	10	10	10	10	7	2 1/2'
48	59	11	11	11	11	11	13	4'
47	58	12	12	12	12	12	8	4'
46	57	13	13	13	13	13	7	4'
45	56	14	14	14	14	14	7	4'
44	55	15	15	15	15	15	7	4'



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**HOWARD COUNTY HEALTH DEPARTMENT**

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*Joyce M. Boyd, M.D., County Health Officer*

*12/2/97*

**TO:** Suzette Sommerer

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**FROM:** Amy Mc Millen

Howard County Environmental Health

**RE:** Kalmia Farms - Lot 7

Suzette,

Here is a copy of the <sup>REVISED</sup> site plan I would like to send to our Health Officer for approval. This plan has all the "legal jargon" the banks like to see before they approve loans. If it is O.K. with you, please sign note #3 and I will send the plan for signature. Thank you.

**Number of pages (including cover sheet):** 2

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Bureau of Environmental Health  
3525-H Ellicott Mills Drive Ellicott City, Maryland 21043-4544  
Water and Sewerage, Permits (410) 313-2640 Community Environmental Health (410) 313-2644  
Food Protection Program (410) 313-2642 TDD (410) 313-2323

2:30 TO DISCUSS OF PROCESS

To: CW 11/10/97

Date 11/10 Time 8:30  AM  PM

**WHILE YOU WERE OUT**

M. Suzette Sommerer

of \_\_\_\_\_

Phone (    ) (301) 953 5339

Area Code	Number	Extension	
TELEPHONED	<input checked="" type="checkbox"/>	PLEASE CALL	<input checked="" type="checkbox"/>
CALLED TO SEE YOU	<input type="checkbox"/>	WILL CALL AGAIN	<input type="checkbox"/>
WANTS TO SEE YOU	<input type="checkbox"/>	URGENT	<input type="checkbox"/>

RETURNED YOUR CALL

Message Re: schedule  
meeting to discuss  
Kalmia Farms-lot 7  
Betula Way  
kin

Operator



REORDER #23-000

TO: FILE

KALMIA FARMS, LOT 7

I spoke to Suzette Sommerer  
we agreed that at least  
the 4 perc holes that  
make up the approved  
area would be reexamined.  
I called the contractor  
to let them know # of  
holes, and to schedule  
test date 11/14/97. (DKS)  
10:00