

APPLICATION

PERCOLATION TESTING

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
P.O. BOX 476 ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 461-9933

A 41237

P _____

DISTRICT 4

DATE March 21, 1988

Tax ID # 1404312619

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I, HEREBY, APPLY FOR THE NECESSARY TEST IN ORDER TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER The Estate of Motie B. Cuthbertson
c/o Mr. William B. Dulany-Co-Executor
ADDRESS Ms. Elaine Z. Howes-Co-Executor PHONE 848-3333
123-127 East Main Street, Westminster, MD 21157
PROSPECTIVE BUYER Ms. Barbara Freburger
ADDRESS 3525 Angus Valley Trail, Ellicott City, 21043
1205 Haverhill Road, Baltimore, MD 21229 PHONE 644-8070 465-1250

PROPERTY LOCATION: West side of Bennett Branch Road approximately 450' north of the Bennett Branch Road/Penn Shop Road Intersection
SUBDIVISION Cuthbertson Property LOT NO. 3

ROAD AND DESCRIPTION The proposed lot is located on the west side of Bennett Branch Road as described above. 689 Ridge Road

TAX MAP 6 PARCEL # 17

SIZE OF LOT 3.0 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. Robert N. Bond
(Tel. - 363-0150) (SIGNATURE OF APPLICANT)
Agent For Ms. Barbara Freburger, Buyer

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 5-9-88 All soils unsuitable for septic fields. Recommend rejection. JEN 7-27-88 PERC SATISFACTORY - SHALLOW SIST. ONLY - hold for PLAT PERC. H&W LOCATION — NOT PLATTED AS OF 9/97 RE-EVALUATION REQD (CW)

THIS IS NOT A PERMIT

Highest 8
9
5
3
4
6
2
7
Lowest 0

SOIL PROFILE

0-3.0 Br si
sa cl lm,
roots,
L 20%
rock

3.0-6.5' Br sa
si lm,
broken slate
rock frags,
L 70%

6.5' Bottom

0-3.0 Br si sa
cl lm, some
rock frags
L 20%

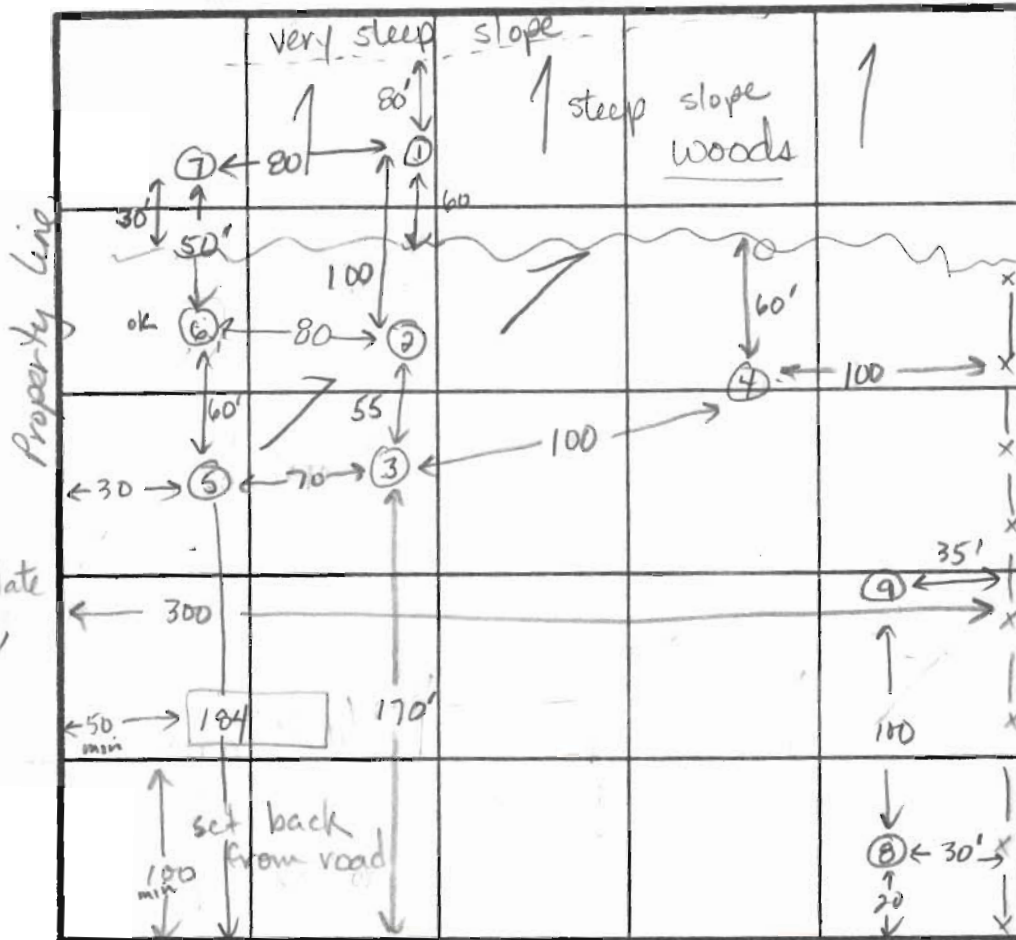
3-6.0 Br si sa
lm, broken
slate rock
fragments,
L 65%

6.0 Bottom

0-5.0 Br si
sa cl lm,
some
rock frags
L 40%

5.0-8.5 Br sa si
lm, broken
slate rx
frags,
L 70%

8.5 Bottom



0-5.0 Br sa
si cl lm,
some
broken
rx frags
L 25%

5.0-7.5 Br sa si
loam,
broken
shale
frags,
L 60%

7.5 Bottom

0-4.5 Br sa
si cl
lm, L 20%
broken
rx frags

4.5-10.5 Br sa
si lm,
some
broken
rock,
L 40%
relict
structure
at 7.0 ft

10.5 Bottom

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Bennett Branch Road

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
5-9-88	1	6.5 V	Rock (slate)	at 3.0 ft			Failed
	2	6.0 V	Rock (slate)	at 3.0 ft			Failed
	3	8.5 V	Rock (slate)	at 5.0 ft			Failed
	4	7.5 V	Rock (slate)	at 5.0 ft			Failed
	5	3.5 S	2:24:24	3:04	3/4 inch	slow	Failed
		6.0 M	2:19:00	2:20:30	2:20:30	2:22:50	Failed
		10.5 D	Bottom (Rock w/ structure @ 7.0 ft)				
	6	2.5 S	2:47:30	2:49:30	2:49:30	2:53:00	4 min
		4.0 M	2:55:30	2:56:54	2:56:54	2:58:30	2 min
		8.0 D	Bottom (Rock w/ structure @ 5.5 ft)				

REMARKS All holes have fractured rock at varying depths, with thick clay layers. Only hole #6 passed but barely.
TYPE OF SOIL 0-4 Br si sa cl, L 20% frags, 4-10 Br sa si lm, L 70% broken slate frags

TESTED BY J E Nadeau

ALSO PRESENT Dale Fogle
Ms. Cuthbertson's family

EH-12-1079

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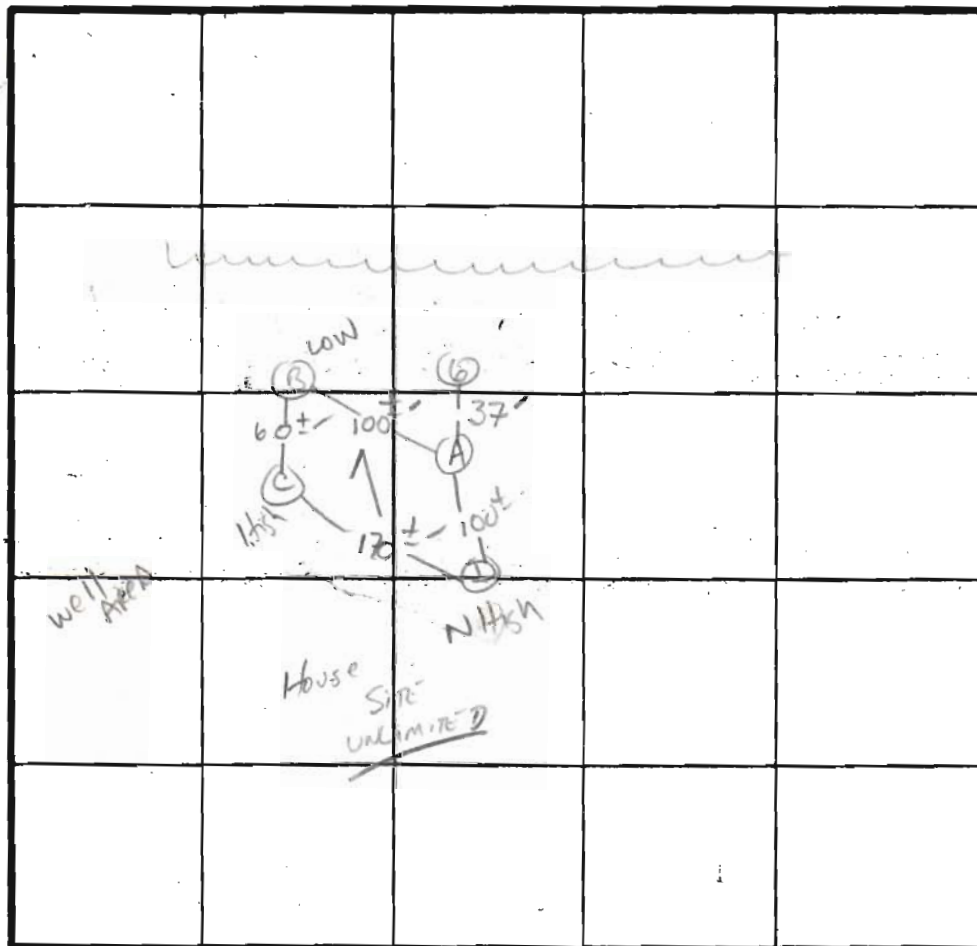
X Perc 13 min

225 #/BR

Inlet ~~3.0~~

Bottom ~~5.5~~

SOIL PROFILE



8
0-1.5pk br si cl
1m, <40% rx
1.5-11.0 Br sa si
1m, <40%
rock frags
11.0 Bottom

9
0-3.5 Br si cl
1m, <100%
rock
3.5-10.0 Red sa si
1m, broken
shale rock
<80%
frags,
relict
structure
apparent
at 3.5 ft
10.0 Refusal

0-5.5 Br si sa
cl 1m,
<15%
rock
frags
5.5-8.0 Br sa
si 1m,
some
broken
slate
frags,
<65%
relict
structure
at 4.0 ft
8.0 Bottom

7
0-2.0 Br si
cl 1m,
<20%
rock
frags
2.0-3.5 Br sa
si 1m,
some
broken slate
rock
frags,
<65%
3.5 Bottom

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE
BENNETT ROAD

DATE	TEST NO	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
5-9-88	7	3.5 V	Rock (slate)		at 2.0 ft		Failed
		3.5 S	4:00:35	4:15:30	no movement		Failed
	8	3.0 S	3:37:40	3:54:00	3/4 inch	slow	Failed
		6.0 M	3:32:00	3:32:30	3:32:30	3:34:00	15 min Failed
		11.0 D	Bottom (see profile)				Failed
7-22-88	A S	4.0'	9:01	9:50	Failed		
	A M	8.0'	8:57	8:58	8:58	9:01	3 min
	B S	4.0'	9:13:30	9:23	9:23	9:46	23 min
	B M	9.0'	9:09	9:09:45	9:09:45	9:11:25	1 min 40 sec.
	C S	4.0'	9:30:15	9:35	9:35	9:42	7 min
	C M	8.0'	9:26	9:27:15	9:27:15	9:30:45	3.5 min
	D S	4.0'	9:49	10:23	Failed		
	D M	8.0'	9:47:15	9:49:30	9:49:30	9:53	3.5 min
	A S	4.5'	9:55	10:10	10:10	10:35	25 min
	D S	4.5'	10:23	10:43	10:43	11:15	32 min

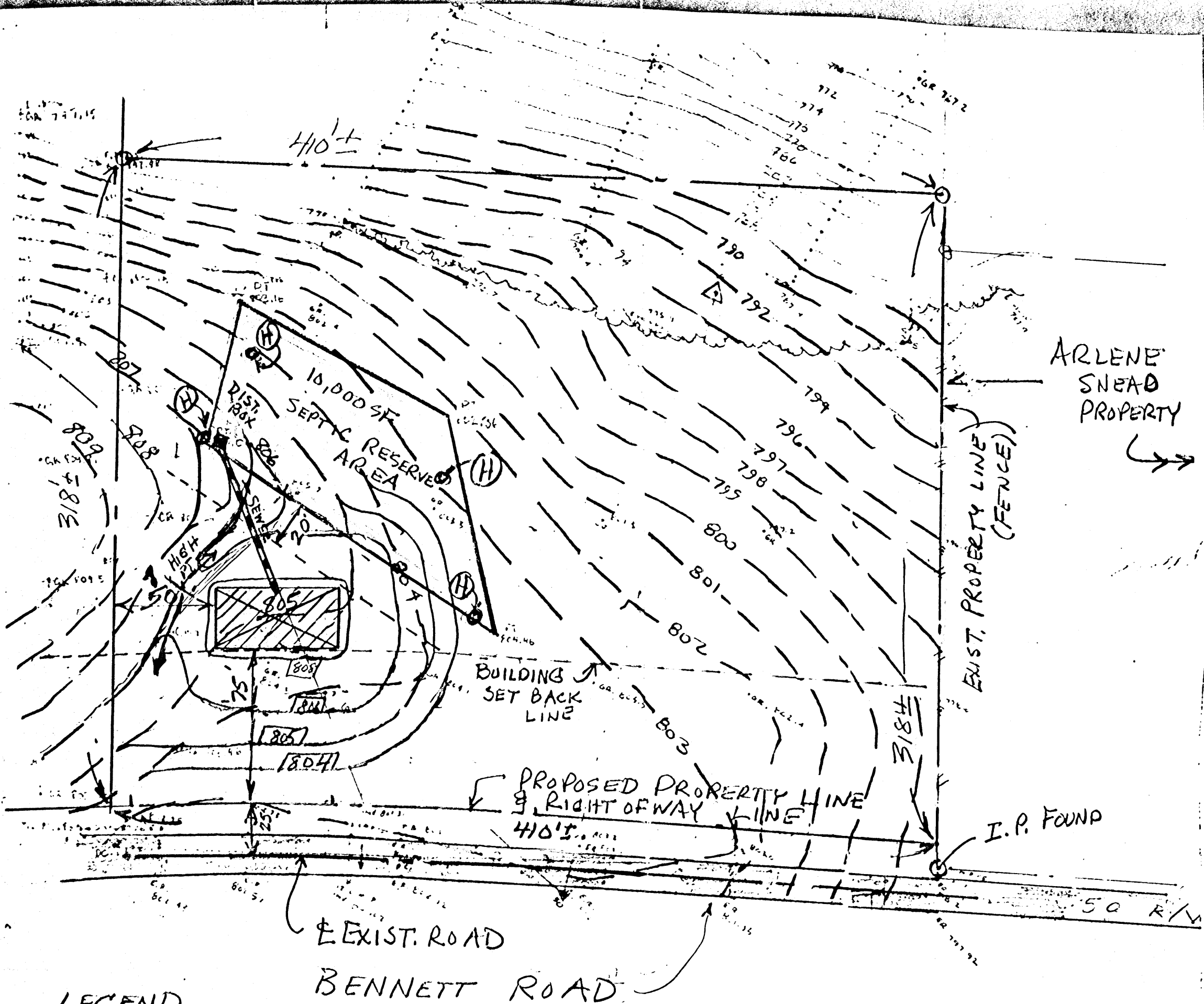
- See RAT FOR Profiles -

REMARKS: Owner may be able to obtain adjacent lot and continue perc testing there.

TYPE OF SOIL: Mt May

TESTED BY: S. April (7-27-88)

ALSO PRESENT: Owners & Foreman SS.



HOWARD COUNTY HEALTH DEPARTMENT

JOYCE M. BOYD, M.D., M.P.H.
COUNTY HEALTH OFFICER



Bureau of Environmental Health
3525 Ellicott Mills Drive
Ellicott City, Maryland 21043

Director - 461-9956
Water & Sewerage, Permits - 461-9933
Community Environmental Health - 461-9944
Technical Services - 461-9955

May 25, 1988

*LIMITED ~~NOTE~~ SUCCESS ON RETEST
SEE LETTER OF AUGUST 3, 1988
JULY 28, 1988
~~JULY 19, 1988~~*

Ms. Barbara Freburger
1205 Haverhill Road
Baltimore, Maryland 21229

RE: Percolation Testing
Cuthbertson Property - Lot 3
Bennett Branch Road

Dear Ms. Freburger:

Percolation testing performed on May 9, 1988 on the above referenced lot revealed unsatisfactory subsurface soil conditions. Thick clay layers were found to overlie extremely rocky overburden in excess of approximately 70 percent.

Therefore, this lot cannot be approved for a septic system. Additional testing may be possible if other areas on the property are available.

If you have any questions regarding this matter, please feel free to contact me at the above address or by calling 461-9933.

Very truly yours,

Craig Williams / J. Wallace

Craig Williams, Director
Water and Sewerage Program

CW:JR

HOWARD COUNTY HEALTH DEPARTMENT

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Technical Services - 461-9955

August 3, 1988

RETEST REQ'D
IN FORMAL PERC PLAT SUBMITTED,
NOT EVALUATED.

Ms. Barbara Freburger
3525 Angus Valley Trail
Ellicott City, Maryland 21043

RE: Percolation Testing
Cuthbertson Property
Lot 3
Tax Map 6 Parcel 17

Dear Ms. Freburger:

Percolation testing conducted July 28, 1988 on the above referenced property indicated satisfactory soil conditions.

Approval is contingent upon submission by a registered engineer of a plat showing certified test hole locations and a suitable house and well site.

This should be submitted within sixty (60) days to allow field verification if necessary.

If you have any questions regarding this matter, please feel free to contact me at the above address or by calling 461-9933.

Very truly yours,

Craig Williams, Director
Water and Sewerage Program

CW:JR

cc: Tax Assessment Office

ON T. BALLARD - 1968

ON T. BALLARD, JR. PRESIDENT
ERT N. BOND, SENIOR VICE PRESIDENT
EDMUND G. HART, VICE PRESIDENT
KENNETH L. EVANS, VICE PRESIDENT

MICHAEL K. KELLY, VICE PRESIDENT
RONALD W. RYE, VICE PRESIDENT
M. BROWER, SECY.-TREAS.
PAUL D. UPTON, ASSOCIATE

THE WILSON T. BALLARD COMPANY
CONSULTING ENGINEERS

17 GWYNNS MILL COURT
OWINGS MILLS, MARYLAND 21117

TELEPHONE 363-0150
AREA CODE 301

August 15, 1988

Mr. Sid Able
Howard County
George Howard Building
3430 Court House Drive
Ellicott City, MD 21043

Re: Cuthbertson Property
Lot 3 Located on
Bennett Road
File: 301-189

Dear Mr. Able:

We are enclosing a copy of the two study plans prepared for the subject lot showing the location of the septic reserve area based on the successful perc holes recently tested and approved by you, the various set-back lines, possible house location and a grading study. The study shows that there are many limitations for the siting of the house on this lot due to the septic reserve area and that only a small area located at the front southeast corner of the 3 acre lot would be available for the well location and even this area would be at a slightly lower elevation than the highest elevation of the septic reserve area (1' to 2') which may be unacceptable.

We are writing to request your review of our analysis of the lot and for any suggestions you may have. We are wondering if the configuration of the septic reserve area can be revised slightly to allow more flexibility with the house location and increase the area in which a successful well may be located. We will appreciate any help you can give us. Please give the undersigned a call after you have reviewed the study plans.

Very truly yours,

THE WILSON T. BALLARD COMPANY

By Robert N. Bond

RNB:di
Enclosures
cc: Mrs. Barbara Freburger
File