

APPLICATION

PERCOLATION TESTING

A 5113417

P _____

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2640

EXISTING parcel -
purpose for testing
is to establish
septic easement

DISTRICT _____

DATE 1/13/99

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 John F & Pat R Sullivan

ADDRESS 13185 Highland RD. Highland MD PHONE 301-854-3749
20777

AGENT OR PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION Sullivan Property LOT NO. Parcel 5

ROAD AND DESCRIPTION Santa Maria Ave.

TAX MAP _____ PARCEL # _____

SIZE OF LOT _____ TYPE BLDG. SFD
(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. John F Sullivan
(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

511347

COUNTY #

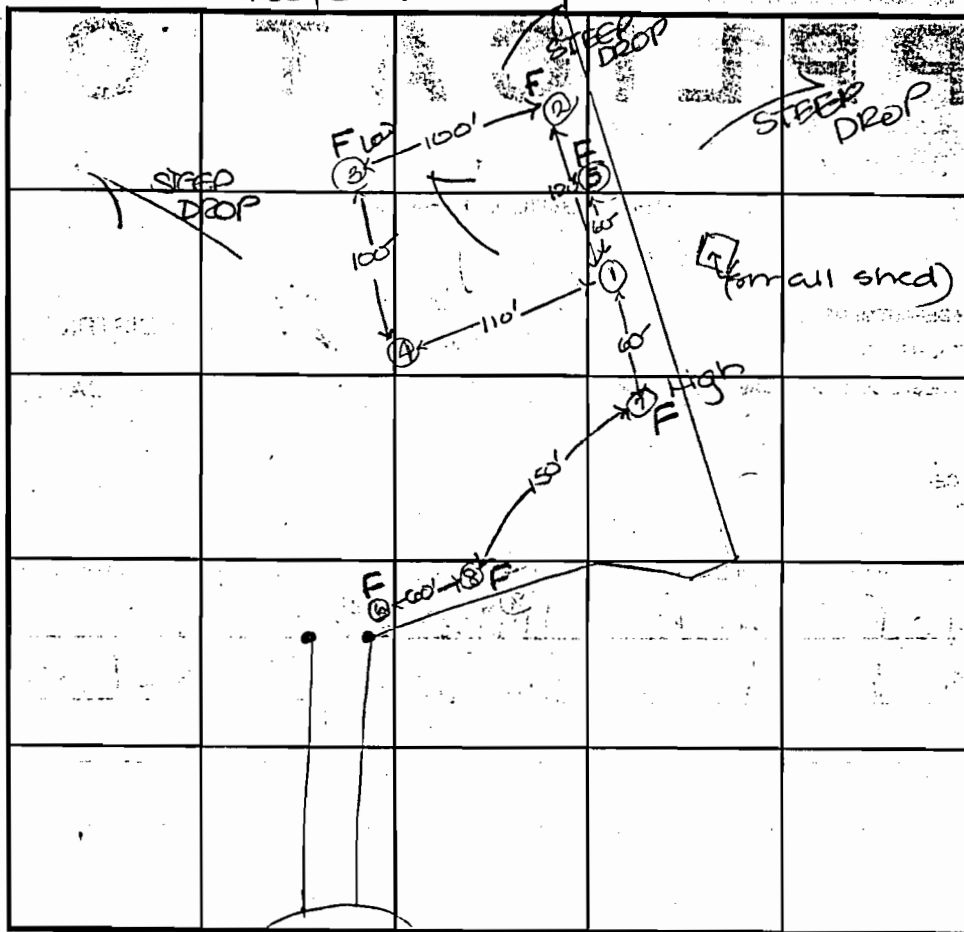
Page 1 of 2

SOIL PROFILE

0' ①
topsoil
org brn
cl Lm
4'
pale org
red tan
si Lm
w/mica
30% decayed
shale

0' ②/③/⑤
topsoil
red org
brn
si cl Lm
w/>50%
rock
frag
7' Refusal

0' ④
topsoil
red org
brn
cl Lm
3.5'
pale org
brn
si Lm
w/mica
flec
14' 30%+
shale
frag



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Santa Maria AVE.

SOIL PROFILE

0' ⑦
topsoil
red brn
cl Lm
w/shale
frag
4'
org brn
si Lm
w/19
patches
>50%
shale
12'

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
1-25-99	8	8.0'D	Visual	1 - Hard rock	→		FAIL
	1	14.0'D	Visual	- See profile	→		OK
	2	7.0'D	Refusal	- >50% Rx @ 2'	→		FAIL
	3	8.0'D	Refusal	- see profile	→		FAIL
	4	14.0'D	Visual	- See profile	→		OK
	5	8.0'D	Refusal	- see profile	→		FAIL
	7	12.0'D	Visual	- see profile	→		FAIL
	6	4.0'S	12:15	very little mvmt	→		FAIL
		13.0'D	Hard	15 >50% Rock / 8.5'	→		FAIL

REMARKS holes ① thru ④ tested as staked by engineer

TYPE OF SOIL

TESTED BY D. See

ALSO PRESENT owner

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME

TRENCH WIDTH

INLET DEPTH

MAXIMUM BOTTOM DEPTH

SQ. FT/BEDROOM

0' (6)
topsoil
org red
brn
cl Lm
5'
pale org
beige
s' Lm
5.5'
>50%
hard
shale
patches
↓
2' HARD

0' (8)
1' topsoil
red brn
cl Lm
4' +
pale ora
beige
si Lm
↓
~50%
hard
shale
8'

See other
pages

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE

0°

[illegible]

REMARKS _____

TYPE OF SOIL _____

TESTED BY D. Soe ALSO PRESENT _____

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

INLET DEPTH	MAXIMUM BOTTOM DEPTH	SQ. FT./BEDROOM
10	10	10
11	11	11
12	12	12
13	13	13
14	14	14
15	15	15
16	16	16
17	17	17
18	18	18
19	19	19
20	20	20
21	21	21
22	22	22
23	23	23
24	24	24
25	25	25
26	26	26
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28	28	28
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30	30	30
31	31	31
32	32	32
33	33	33
34	34	34
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36	36	36
37	37	37
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40	40	40
41	41	41
42	42	42
43	43	43
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66	66	66
67	67	67
68	68	68
69	69	69
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74	74	74
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86	86	86
87	87	87
88	88	88
89	89	89
90	90	90
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92	92	92
93	93	93
94	94	94
95	95	95
96	96	96
97	97	97
98	98	98
99	99	99
100	100	100



HOWARD COUNTY HEALTH DEPARTMENT

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

February 16, 1999

Mr. and Mrs. John F. Sullivan
13185 Highland Road
Highland, Maryland 20777

RE: Percolation Test Results
Sullivan Property
Santa Maria Avenue
Tax Map: 34 Parcel #5

Dear Mr. and Mrs. Sullivan:

Percolation testing was conducted on the above referenced property January 25, 1999. Overall soil conditions were found to be unsatisfactory due to insufficient depth to excessive rock content. It appeared that insufficient suitable soil conditions for conventional septic system design could be established. A copy of the test results is enclosed.

If you wish to continue with the proposal for conventional septic system design, further review is contingent upon submission by a registered engineer of a percolation test plat showing actual locations and elevations of all excavated test holes. The plat should also include the location of all existing wells and septic systems on the property as well as the location of any other relevant features such as streams, swales, or existing structures. A note must be included certifying that all wells and septic systems within 100 feet of property boundaries have been shown. This plat should be submitted within sixty (60) days to allow field verification if necessary.

Assuming that the concept of a conventional septic system design has been abandoned, the remaining options include either an innovative or alternative septic system design or an off-site septic easement. Supplemental percolation testing shall be necessary to determine whether or not any of these options are feasible.

If the final assessment for the lot is that no suitable septic system design is approvable, then it may be possible for you to either petition for inclusion into the Metropolitan service district or to request tax relief for the lot so that it may be taxed as "non-buildable".

If you wish to proceed with any of the above possibilities and need further assistance, please do not hesitate to contact me at the address below or by calling (410) 313-2640.

Sincerely,

Donna K. Soe, R.S.

Water and Sewerage Program

DKS

cc: file

Bureau of Environmental Health

3525-H Ellicott Mills Drive Ellicott City, Maryland 21043-4544

Water and Sewerage Program (410) 313-2640 Community Environmental Health Program (410) 313-2644

Food Protection Program (410) 313-2642 TDD (410) 313-2323 FAX (410) 313-2648