

APPLICATION

PERCOLATION TESTING

A 513271-A

P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2840

DISTRICT _____

DATE 2/18/2000

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 AVERY

ADDRESS 14331 FREDERICK RD, COOKSVILLE, MD 21723 PHONE 410-442-1023

AGENT OR PROSPECTIVE BUYER SAME

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION AVERY PROPERTY LOT NO. pretest lot 11 became final lot 8 on perc Cert Plan of 6/11/02

ROAD AND DESCRIPTION 14331 FREDERICK ROAD

TAX MAP 8 PARCEL # 97

SIZE OF LOT 50,000 SF ± 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 R. Avery
(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

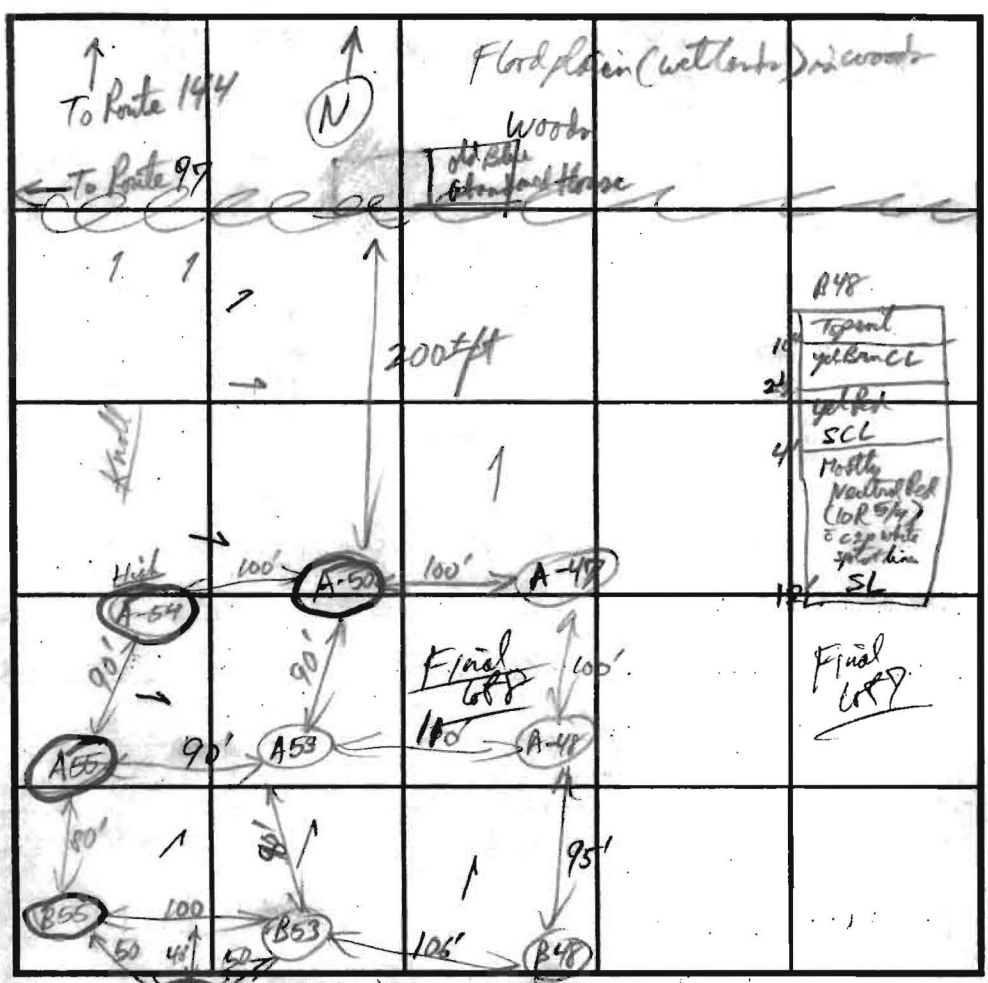
protect every lot 11 (final lot 8 on Perc Cert plan of 6/11/02)

A513271
COUNTY #

SOIL PROFILE
A-50
0' dark brown L (topsoil)
13' yellow cl
4-4 1/2' reddish brown SCL
6' mix yellow & white HSL-SCL
8 1/2' yellow & white L-SL
12' mix white & reddish + black grey
14' FSL-SIL

C-53, A-53
16' Topsoil
7 1/2' yellow brown SCL
4 1/2' red SCL-HSL
5 1/2' pale sands (pale purple red) + black grey SL
10' mix structures + massive spherulic (concrete texture)
12'

A-55
9' dark brown L
1 1/2' str. brown yellow CL
1 1/2' red yellow CL (massive) (Rm. Sph.)
4' red reddish mix SL-L
5 1/2' yellow & yellow brown SL-L



SOIL PROFILE
B-55
0' dark brown L
20' yellow brown SCL
2' yellow brown CL 2 1/2'
0-3' grey clay (77-66) + 0-3' red brown mottled (2m Sph - 2m sp)
3 1/2' red reddish brown SCL-HSL
2-8' yellow yellow red SL
massive spherulic
12'
B-53
1 1/2' yellow brown SCL
1 1/2' str. brown yellow
0-3' grey clay
red brown CL
reddish-brown SL
A-54 13'
8' topsoil
red CL-HCL
5 1/2' yellow yellow brown HSL
massive spherulic
9' red brown
11'

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
3-31-00	A-50	14 5 1/2'	10:57:30	pulling beginning to slow			Too slow Fail	
		6'	11:20	11:37	11:37:00	12:16	pulling still on 2nd Mail	Too slow Fail
	A-54	11'	Refusal looks @ 9' day + 5'-5 1/2'					Fail
	A-53	12 1/2' 6'	12:30:00	12:39:00	12:39:00	12:54		15 min
	A-55	13' 6'	12:49	1:03	1:03	1:40	coll 32 min 26 min	Fail
	B-55	12' 7'	1:18	1:39	1:39	2:09	algae Fail	Fail
	B-53	13' 5 1/2'	1:37	1:33	1:33	1:50		7 min
	C-53	14' 6'	2:15	pulling 2:49	only 1/2 in 34 min			Fail
	B-48	12' 5'	4:44	4:55	4:55	5:25		30 min
		6'	5:22	5:24:00	5:24:00	5:32		8 min

REMARKS from lot 10 records (A48) 5 1/2' → 6 min

TYPE OF SOIL

TESTED BY APP/ibly ALSO PRESENT Machinery, Fyrod's, John's Brim

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 16 mpi TRENCH WIDTH 3

INLET DEPTH 5 MAXIMUM BOTTOM DEPTH 7 SQ. FT./BEDROOM 240

protect every lot 10 (part of final lot 8 and all of final lot 7) on perc cert Plan of 6/11/02

A 513 271-D

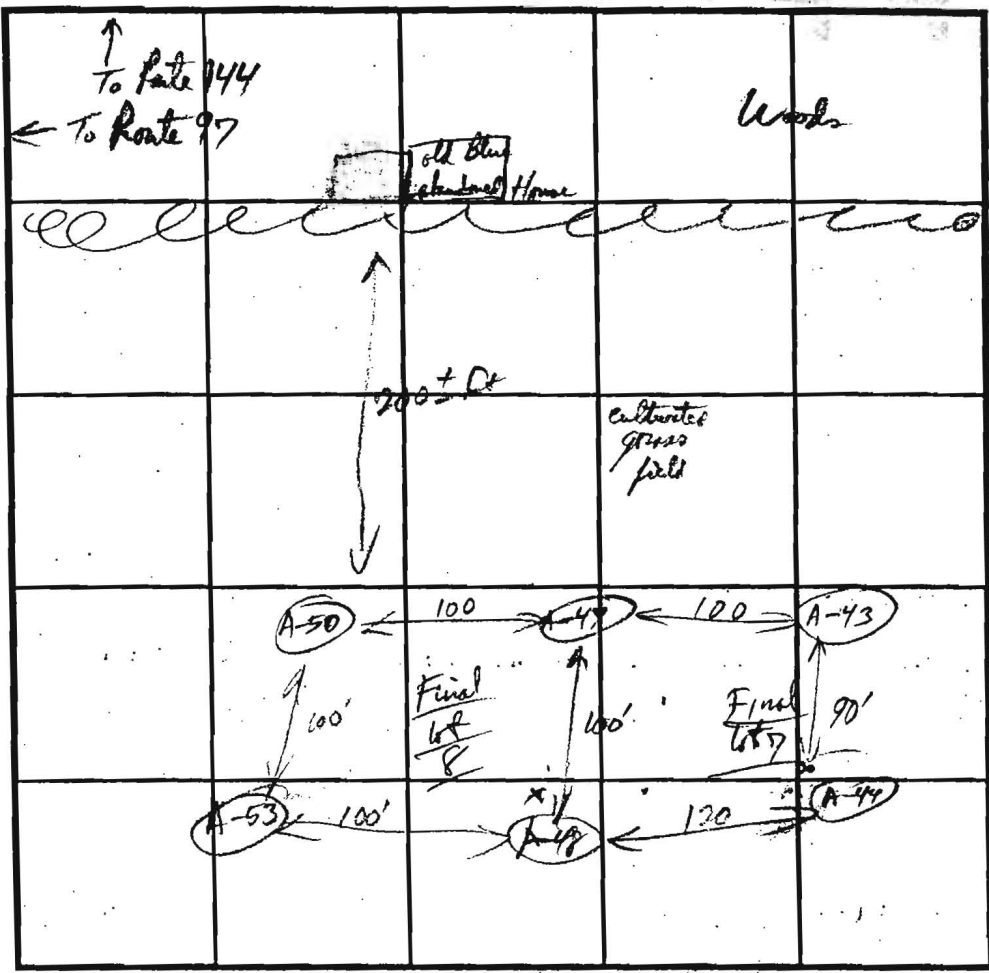
COUNTY #

SOIL PROFILE

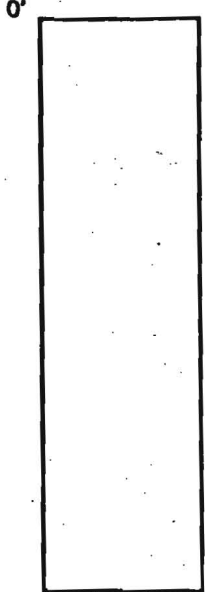
0' A-48, A-49
 10' dark brown loam
 2 1/2' Red Brown product
 CL
 2 1/2' pale red silty clay
 SL-L
 5' massive yellow brown
 Saprolite SL
 8'
 9-11' yellow and yellow brown
 SL-L
 13' massive saprolite
 var. yellow white
 granular red brown yellow brown
 SL
 20% structural
 saprolite

A-43
 10' dark brown L
 yellowish yellow
 (7.5 YR 5/6)
 HSL-SCL
 3-3 1/2'
 yellow, white,
 pale white to red,
 yellow tan
 FSL-SL-L
 13'

A-44
 5'
 2-1 1/2'
 3 1/2'
 10'
 7.5-10 YR 5/6
 SL-FSL
 dark red-yellow
 (10R-2.5 YR 4/4)
 strong CL
 yellow
 (7.5 YR 5/6-4/4)
 SL-FSL
 massive
 Saprolite



SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
3-31-00	A-47	v13 5'	10:55	11:05	11:05	11:26	21 min
		8'	10:55:40	11:05	11:07	11:18	11 min
	A-43	v13 5'	11:39:30	11:43:30	11:43:30	11:47 1/2	4 min
	(Same as A-47) No. 10 A-48	v13 1/2 5 1/2'	2:21	2:26	2:26	2:32	6 min
	A-44	v13 4 1/2'	2:40	Hand		2:47	3 1/2 min

REMARKS: Rocks are gneiss
 TYPE OF SOIL: Heavy loam, dense
 TESTED BY: P. Kelly
 ALSO PRESENT: Mulberry, flat thin of Fycob
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME: 8 1/2 min TRENCH WIDTH: 3'
 3 1/2 2 1/2 6 210