

# APPLICATION

PERCOLATION TESTING

A 515042

P \_\_\_\_\_

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

DISTRICT \_\_\_\_\_

DATE 4-13-01

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 Natalie Ziegler

ADDRESS 11352 Homewood Rd. PHONE 410 740-6880

AGENT OR PROSPECTIVE BUYER \_\_\_\_\_

ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

PROPERTY LOCATION:

SUBDIVISION Benedict Farm LOT NO. \_\_\_\_\_

ROAD AND DESCRIPTION Rt 108 + Homewood Rd.

TAX MAP 29 PARCEL # 93/229

SIZE OF LOT 3.16 acres +/- TYPE BLDG. \_\_\_\_\_  
(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. Natalie Ziegler  
(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

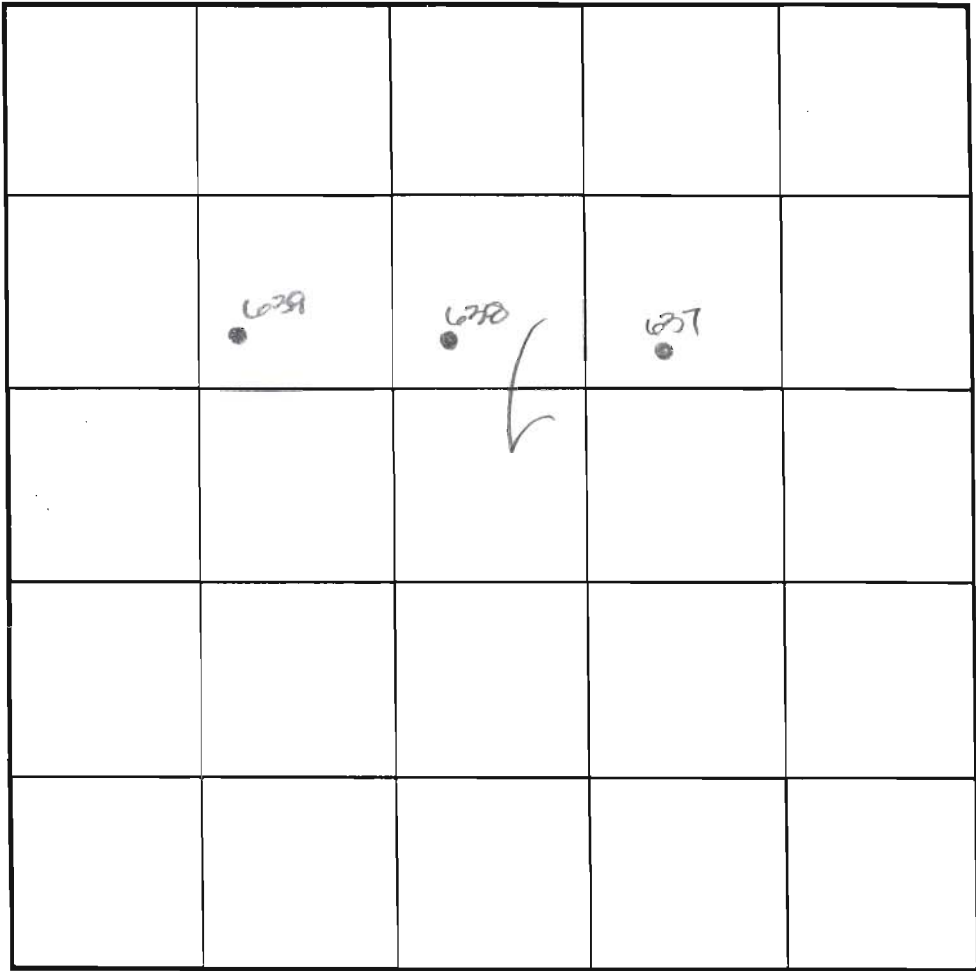
COUNTY #

SOIL PROFILE

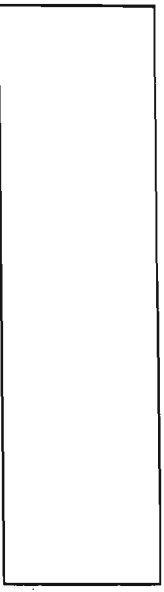
0' 637  
 1' topsoil  
 4.5' org brn cl Lm  
 5' med org brn si mica Lm  
 10' cave in black brn si mica Lm  
 11.5' Water

0' 638  
 1' topsoil  
 4.5' org brn cl Lm  
 med to dk brn sa mica Lm  
 8' cave in  
 9'7" Water

0' 639  
 1' topsoil  
 5' org red brn cl Lm  
 med org brn si mica Lm  
 5-10% rock  
 13.5' Water



SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Route 108

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
5-30-01	<u>637</u>	5.0'S	11:18	11:37	11:37	12:10	33
	(330)	11.5' D	Water	- see	profile		FAIL
	<u>638</u>	9'7" D	Water	(cave-	in 8')		FAIL
	639	4.5'S	11:21	11:42	11:42	less than 12:20	FAIL
		13.5'T	Water	- see	profile		FAIL

REMARKS \_\_\_\_\_

TYPE OF SOIL \_\_\_\_\_ DUE TO DROUGHT CONDITIONS, APPROVABLE HOLES MUST HAVE 8 FEET FROM OBSERVED GROUNDWATER TO BOTTOM OF PROPOSED SEPTIC SYSTEM

TESTED BY DKC

TRENCH DESIGN DAT/ INLET DEPTH \_\_\_\_\_

LSO PRESENT M Johnson crew Owners

TRENCH WIDTH \_\_\_\_\_

SQ. FT/BEDROOM \_\_\_\_\_

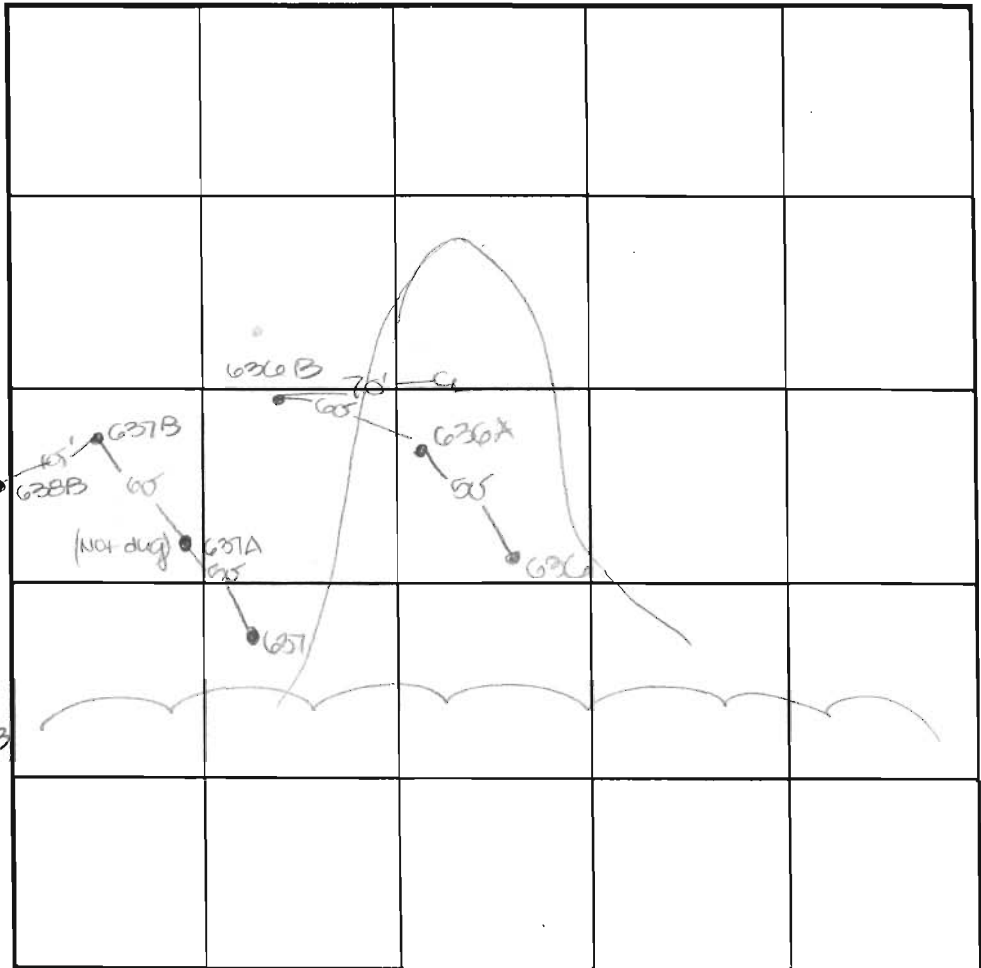
COUNTY #

SOIL PROFILE

0' 626B  
 1' topsoil  
 5' br red brn cl Lm  
 med brn sa mica Lm  
 14' 20% rock

SOIL PROFILE

0'



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

1' 628B/637B  
 topsoil  
 4' dk red brn cl Lm  
 15' 14 arg brn sa mica Lm  
 15%+ rock

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
5-31-01	636B	4.5' S	2:09	2:27	2:27	little slow	OK
		14.0' D	Visual	- see	profile		OK
	637B	4.0' S	2:15	2:19	2:19	2:25	6
		14.0' D	Visual	- see	profile		OK
	638B	4.5' S	2:20	2:26	2:26	2:34	8
		15.0' D	Visual	- see	profile		OK

REMARKS \_\_\_\_\_ DUE TO DROUGHT CONDITIONS,  
 TYPE OF SOIL \_\_\_\_\_ APPROVABLE HOLES MUST HAVE 8  
 TESTED BY DKC FEET FROM OBSERVED  
 TRENCH DESIGN DATA: A PROPOSED SEPTIC SYSTEM  
 INLET DEPTH \_\_\_\_\_ MAXIMUM BOTTOM DEPTH \_\_\_\_\_ SQ. FT./BEDROOM \_\_\_\_\_

PRESENT M. Johnson (crew)  
 OWNERS  
 TRENCH WIDTH \_\_\_\_\_

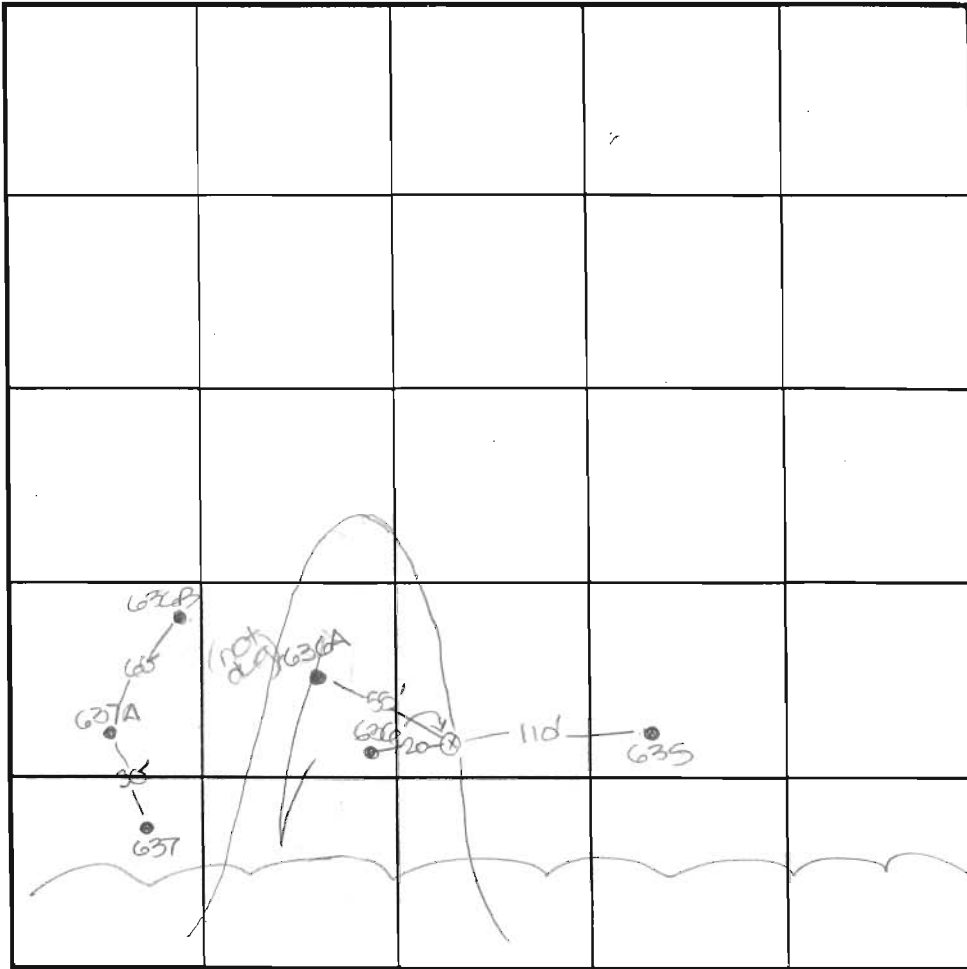
COUNTY #

SOIL PROFILE

0' 637A  
 topsoil  
 org brn  
 cl lm  
 5.5'  
 6'  
 org brn  
 si cl lm  
 5-10%  
 rock  
 12'  
 mottles  
 13.5'

0' 636  
 topsoil  
 org brn  
 cl lm  
 6.5'  
 7.5'  
 org brn  
 si cl lm  
 to  
 brn  
 si cl lm  
 13.5' water

0' 635  
 1' topsoil  
 red org  
 brn  
 cl lm  
 40%  
 rock hard  
 7.5'  
 med brn  
 si mica  
 lm  
 10%  
 rock



SOIL PROFILE

0'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
6-14-01	637A	5.5' S	11:00 <sub>3</sub>	11:15	11:15	11:31 <sub>6</sub>	17
		13.5' D	Visual	- see profile			OK
	636	6.5' S	11:03 <sub>3</sub>	less than 1/2"	11:33 <sub>2</sub>		FAIL
		13.5' D	Water	- see profile			FAIL
	635	5.0' S	11:12	11:20 <sub>3</sub>	11:20 <sub>2</sub>	11:52	26
	(dry 4ppm)	14.0' D	Visual	- see profile			OK

REMARKS

TYPE OF SOIL \_\_\_\_\_  
 TESTED BY DKC  
 TRENCH DESIGN DATA: A)  
 INLET DEPTH \_\_\_\_\_

DUE TO DROUGHT CONDITIONS,  
 APPROVABLE HOLES MUST HAVE 8  
 FEET FROM OBSERVED  
 GROUNDWATER TO BOTTOM OF  
 PROPOSED SEPTIC SYSTEM

PRESENT M. Johnson & crew  
Owners  
 TRENCH WIDTH \_\_\_\_\_  
 FT/BEDROOM \_\_\_\_\_

COUNTY #

SOIL PROFILE

strong red orge  
brn cl  
and cl/m  
5-15% frags

brn si salm  
10-15% Frags

298A

strong red orge brn cl

brn tan cl/m  
15-25% fr

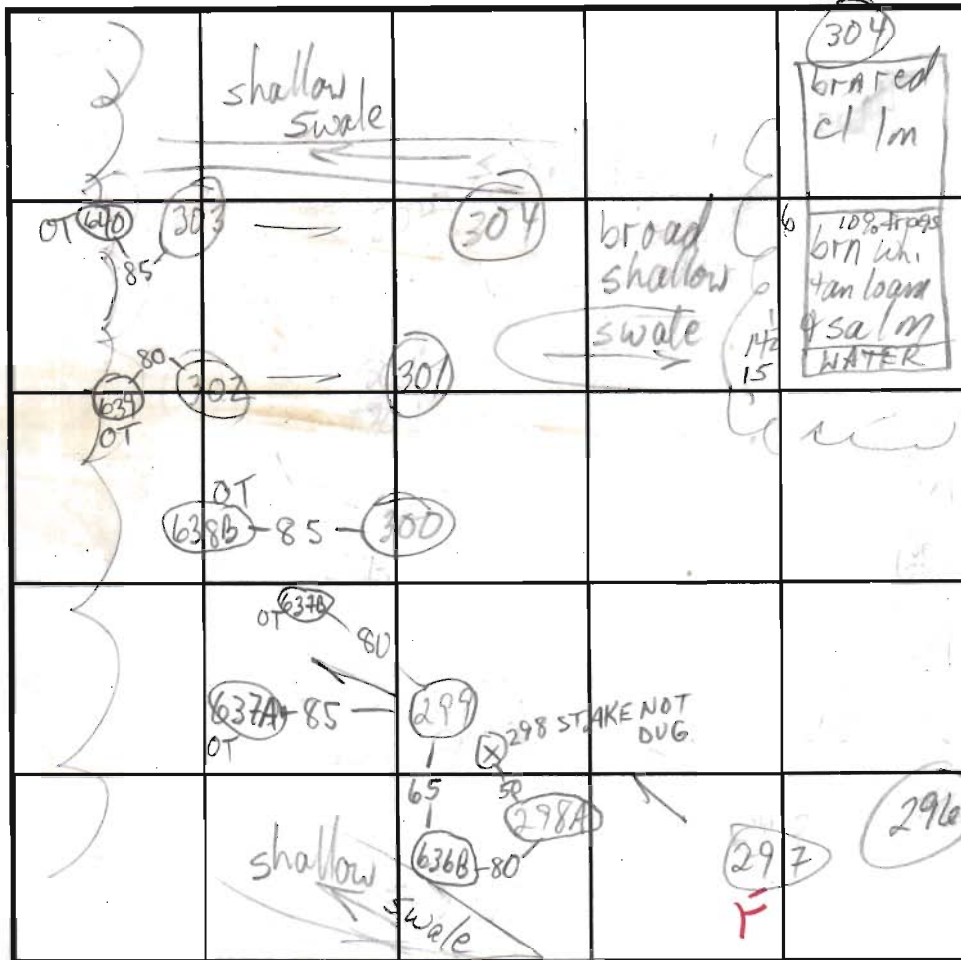
wh. quartz sand  
20-30% fr

wh. tan gray quartz sand  
15% fr

299

orge brn si cl/m

tan brn si l/m  
fox of wh. quartz  
5-10% frags



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE

brn orge cl/m  
5-15% frags

tan gray beige  
lt. tan sa l/m  
sand  
10-15% fr

orge brn cl/m  
brn tan sa cl/m  
tan beige gray sa l/m  
10% frags

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
8/30/01	F 297	6 9/16	11:00	11:17	< 1/8"	REDIG		FAIL
	F 298A	6 3/4	12:29	12:40	< 1/4"	REDIG		FAIL
	P 299	6 2/7	11:30	11:43	1/2 - 3/4"		3	OK
	P 300	6 2/14	12:01	12:05			4	OK
	P 301	7 14 1/2	2:15	2:20			4	OK
	P 302	6 14 1/2	2:24	2:31			4	OK
	P 304	7 15	2:33	2:42			10	OK
	P 296	4 1/2 / 14 1/2	3:00	3:03			5	OK
		OTHER SIDE 6'	3:22	3:24			3	OK
SEE SOIL PROFILE ON NEXT PAGE								

REMARKS 298A NOT PER PLAN, OTHERS PER PLAN

TYPE OF SOIL

TESTED BY MARK RIFKIN

ALSO PRESENT C. Crovo

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME

TRENCH WIDTH

INLET DEPTH

MAXIMUM BOTTOM DEPTH

SQ. FT./BEDROOM