

# APPLICATION

10811

## PERCOLATION TESTING

A \_\_\_\_\_

P \_\_\_\_\_

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

DISTRICT \_\_\_\_\_

DATE \_\_\_\_\_

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 \_\_\_\_\_

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

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

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

PROPERTY LOCATION:

SUBDIVISION Smith Property LOT NO. \_\_\_\_\_

ROAD AND DESCRIPTION Rt 94

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

SIZE OF LOT \_\_\_\_\_ 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.

(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

AA2

heavy  
C1Lm  
med  
structure

material  
is in  
excess  
of 50%

increasing  
in  
rock  
content

AA3

heavy  
red  
brown  
S1C1Lm  
20%  
Rx

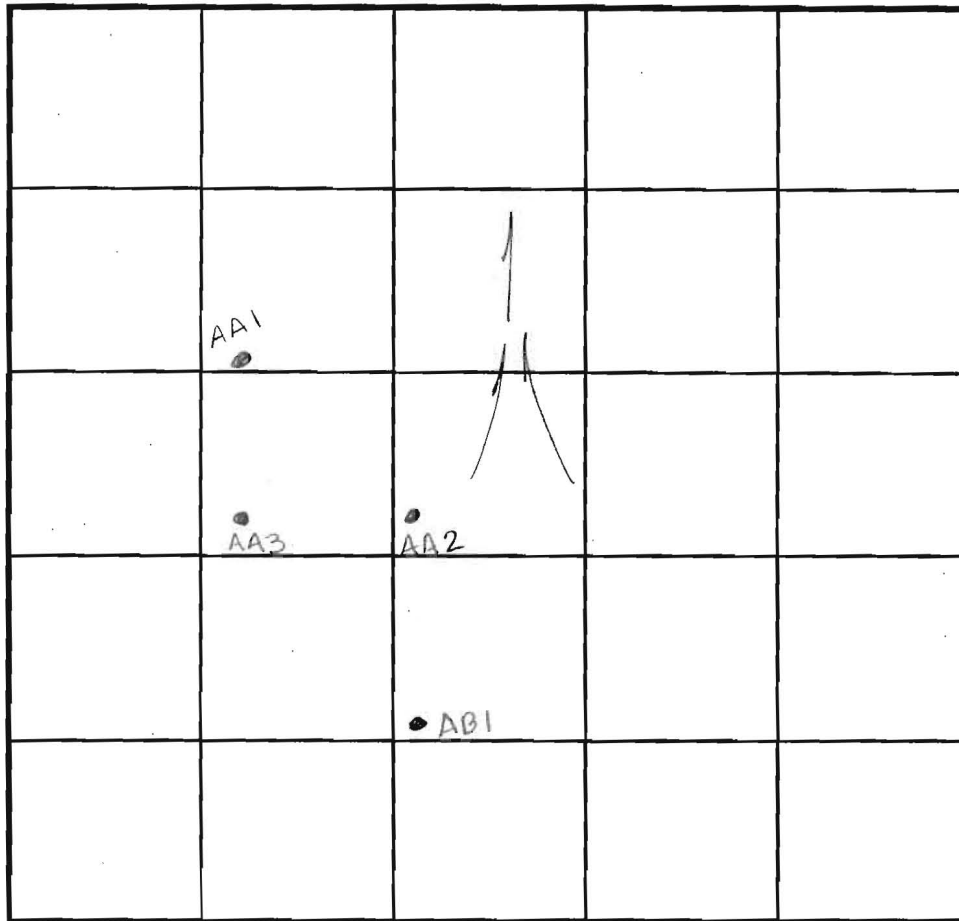
material  
in  
excess  
of  
50%

AB1

red  
brown  
S1C1Lm

70-80%  
Rx

not  
sufficient  
soil  
for  
treatment



SOIL PROFILE

AA1

C1Lm  
brown

80-90%

Rx  
frags  
not  
enough  
soil for  
effective  
treatment

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
11-9-99	AA3	7.0 V12.0	11:04 <sup>15</sup>	11:08 <sup>15</sup>	11:08 <sup>15</sup>	11:20	11 <sup>3</sup> / <sub>4</sub> min
		12.0 V12.0	11:09	11:12	11:12	11:16	4 min
	AA2	4.0 V12.0	11:33	11:39	11:39	11:47	8 min
		9.0 V12.0	11:39	11:42	11:42	11:47	5 min
		13.0 V12.0	11:38	11:40	11:40	11:42	2 min
	AA1	2.5 V12.0	11:45	11:57	11:57	12:12	15 min
		Pre-sand mound investigation - standard trench syst. not possible - see profile					SAND MOUND
	AB1	Max bottom 2.5', 30" stone, 18" cover & 2.5' test percs & 8.5' test not too fast					
		2.5 V12.0	1:05	1:13	1:13	1:30	17 min
		8.5 V12.0	1:06 <sup>30</sup>	1:07 <sup>30</sup>	1:07 <sup>30</sup>	1:09 <sup>30</sup>	2 min

REMARKS

TYPE OF SOIL

Topo and Percol test times indicate possible sand mound

TESTED BY

Dave Kerr / Amy McMullen ALSO PRESENT Greg Filar

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME

TRENCH WIDTH

INLET DEPTH

MAXIMUM BOTTOM DEPTH

SQ. FT./BEDROOM

7/13/98

# APPLICATION

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A \_\_\_\_\_

P \_\_\_\_\_

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

DISTRICT \_\_\_\_\_

DATE \_\_\_\_\_

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 LEROY SMITH

ADDRESS PO BOX 12726 PHONE \_\_\_\_\_

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

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

PROPERTY LOCATION:

SUBDIVISION \_\_\_\_\_ LOT NO. \_\_\_\_\_

ROAD AND DESCRIPTION ROUTE 94

TAX MAP 7 PARCEL # 133

SIZE OF LOT \_\_\_\_\_ 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.

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SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

# THIS IS NOT A PERMIT

COUNTY #

SOIL PROFILE

609 610

red  
brown  
5i12m

red  
brown  
5i5alm  
30%  
shale  
w/  
black  
faces

611 612

line  
609#  
00

712 713

red  
brown  
5i12m

beigh  
5i12m  
20%  
shale

SOIL PROFILE

714

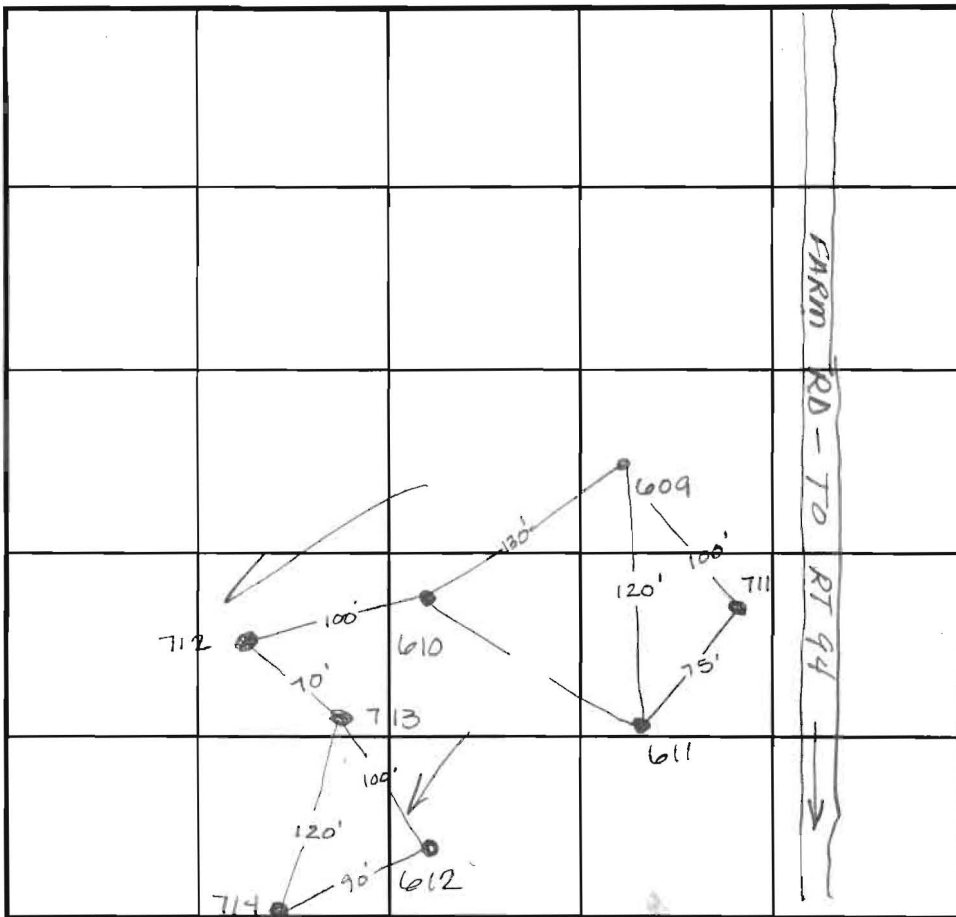
red  
brown  
8i12m

1g  
tan  
yellow  
5i12m  
mg  
deposits  
water?

711

heavy  
red  
brown  
5i12m

red brn  
5i12m  
30-40%  
shale



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
8-3-98	609	5.0 √10.5	11:42	11:51	11:51	12:07	16min
	610	5.0 √11.0	12:00	12:08	12:08	12:20	12min
	611	5.5 √10.0	12:11	12:18	12:18	12:36	18min
8-4-98	712	6.0 √11.0	1:35	1:37	1:37	2:00	23min
	713	5.0 √11.0	1:36	1:43	1:43	1:55	12min
	714	6.0 √11.5	1:38	1:45	1:45	no mv+ @ 2:25	slow
	612	Visual	to 12.0 - see profile		—		OK
	711	5.5 √11.0	1:57	2:10	2:10	2:30	2min

REMARKS Wet season on 714

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

TESTED BY \_\_\_\_\_ ALSO PRESENT \_\_\_\_\_

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME \_\_\_\_\_ TRENCH WIDTH \_\_\_\_\_

INLET DEPTH \_\_\_\_\_ MAXIMUM BOTTOM DEPTH \_\_\_\_\_ SQ. FT/BEDROOM \_\_\_\_\_



COUNTY #

SOIL PROFILE

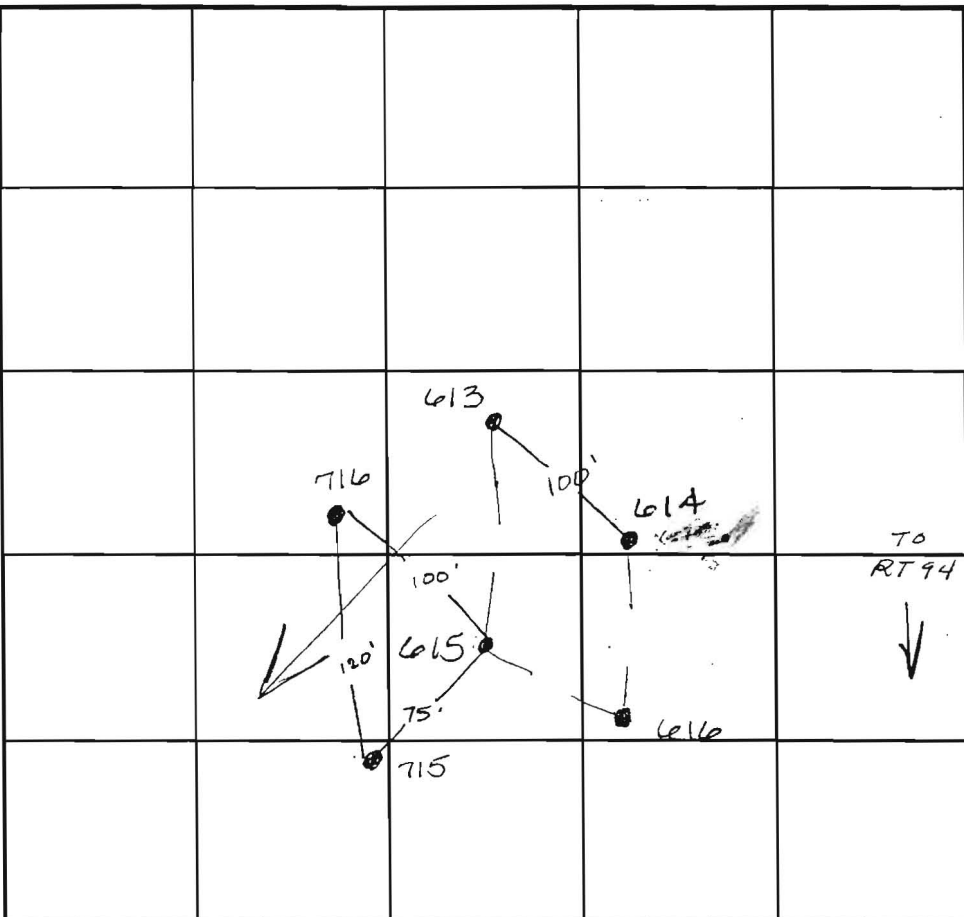
612 614

orange brown silty 30% shale clay layer difficult to construct

SOIL PROFILE

716

like 715 but water @ 11.0



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

616 615

like 612

715

red brown silty

beigh brown silty 5% Rx

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
8-3-98	613	4.0 / 9.0	12:25	12:50	12:50	slow	slow
	614	4.5 / 10.0	12:26	12:36	12:36	12:44	8min
	615	5.0 / 10.0	12:50	12:57	12:57	1:05	8min
	616	5.0 / 10.0	12:55	1:00	No 1st inch @ 1:30		slow F
8-4-98	715	5.0 / 11.0	2:35	1st inch @ 3:10			slow F
	716	6.0 / 11.0	2:40	no 1st inch @ 3:10			slow F

REMARKS Wet season

TYPE OF SOIL

TESTED BY Amy McMillen

ALSO PRESENT

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME

TRENCH WIDTH

INLET DEPTH

MAXIMUM BOTTOM DEPTH

SQ. FT./BEDROOM



COUNTY #

SOIL PROFILE

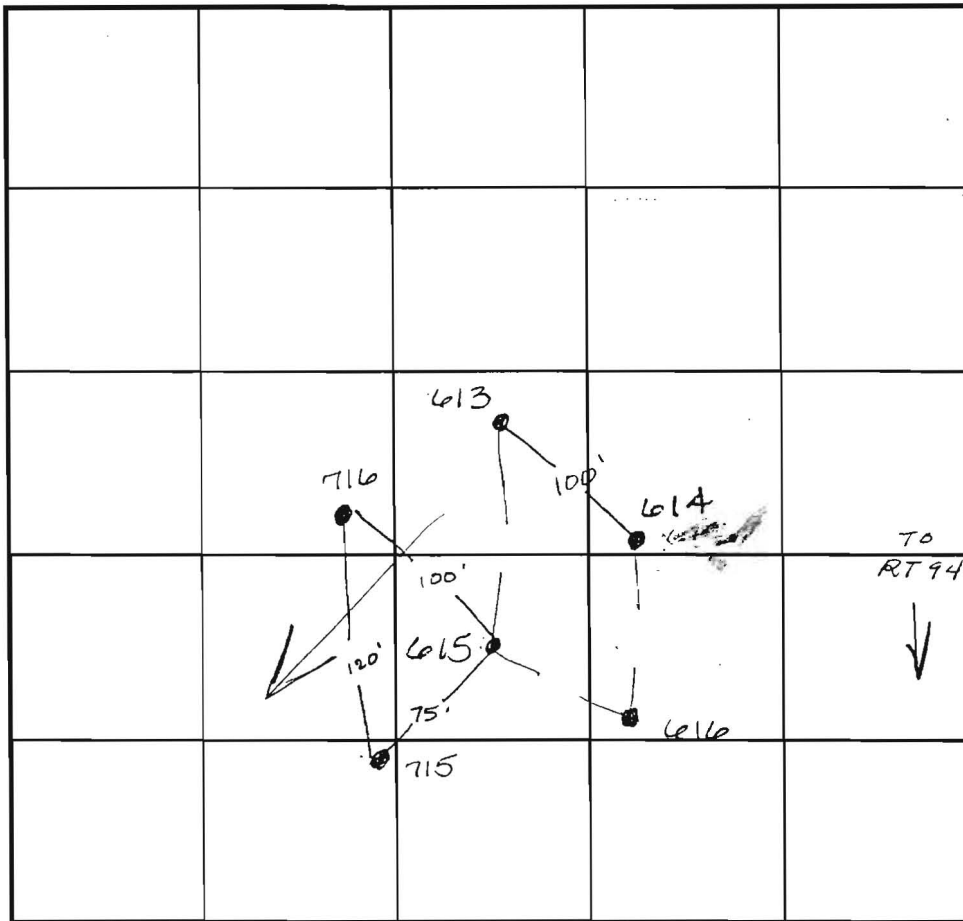
0' 612 614

orange  
brown  
silm  
30%  
shale  
clay  
ayer  
difficult  
to  
cc-  
mm

SOIL PROFILE

0' 716

like  
715  
but  
water  
@  
11.0



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

616 615

like  
612

715

red  
brown  
silm

beigh  
brown  
silm  
5%  
Rx

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
8-3-98	613	4.0 √9.0	12:25	12:50	12:50	slow	slow
	614	4.5 √10.0	12:26	12:36	12:36	12:44	8min
	615	5.0 √10.0	12:50	12:57	12:57	1:05	8min
	616	5.0 √10.0	12:55	1:00	No 1st inch @ 1:30		slow F
8-4-98	715	5.0 √11.0	2:35	1st inch @ 3:10			slow F
	716	6.0 √11.0	2:40	no 1st inch @ 3:10			slow F

REMARKS Wet season

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

TESTED BY Amy McMillen

ALSO PRESENT \_\_\_\_\_

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME \_\_\_\_\_

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

INLET DEPTH \_\_\_\_\_

MAXIMUM BOTTOM DEPTH \_\_\_\_\_

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



**Approved Perc  
Plan  
7/27/01**

