

# APPLICATION

PERCOLATION TESTING

A 510158

P \_\_\_\_\_

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

DISTRICT \_\_\_\_\_

DATE 5/20/98

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 BRS DEVELOPERS  
ADDRESS 10805 HICKORY RIDGE ROAD PHONE 410-740-2100  
COLUMBIA, MD 21044

AGENT OR PROSPECTIVE BUYER DONALD R PEPPER @ LAND DESIGN & DEV. INC  
ADDRESS 10805 HICKORY RIDGE ROAD PHONE 410-740-2100  
COLUMBIA, MARYLAND 21044

PROPERTY LOCATION:  
SUBDIVISION REILLY PROPERTY LOT NO. 21 (16) caretaker dwelling

ROAD AND DESCRIPTION LEFT SIDE RT 97 OPPOSITE ROXBURY MILL COURT  
PROPOSED SITE ACCESS FROM ROXBURY MILL ROAD

TAX MAP 21 PARCEL # 13 GRID 14  
SIZE OF LOT ONE ACRE CLUSTER 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. DONALD R PEPPER JR  
(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

LOT 25

COUNTY #

SOIL PROFILE

SOIL PROFILE

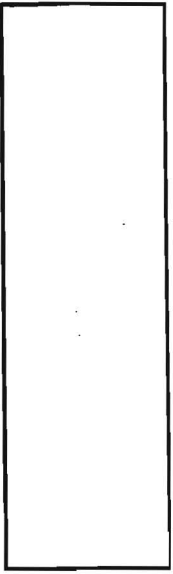


INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

0' 142/145  
topsoil  
1' org brn cl lm  
3.5' 4' pale org tan sa lm  
11' 15-20% rock frag

0' 144  
topsoil  
1' org brn cl lm  
4' pale org tan sa lm  
12' 15-20% rock frag

0' 143  
topsoil  
1' org red brn cl lm  
4' pale red brn sa lm  
13' 15% rock frag



DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
6-23-98	142	3.5'S	10:13	10:25	10:25	10:40	15
		11.0'D	Visual	- see	profile		OK
	145	4.0'S	10:18	10:21	10:21	10:26	5
		11.0'D	Visual	- see	profile		OK
	144	4.5'S	2:44	2:48	2:48	2:53	5
		12.0'D	Visual	- see	profile		OK
	143	4.0'S	3:27	3:40	3:40	4:05	25
		13.0'D	Visual	- see	profile		OK

REMARKS holes tested as stated

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

TESTED BY D. See ALSO PRESENT M. Johnson  
S. Ellis

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 12+ TRENCH WIDTH 3

INLET DEPTH 4.0 MAXIMUM BOTTOM DEPTH 6.0 SQ. FT./BEDROOM 210

LOT 25

COUNTY #

SOIL PROFILE

0' 142/145  
 1' topsoil  
 org brn cl lm  
 3.5' - 4' pale org tan sa lm  
 11' 15-20% rock frag

144  
 0' 1' topsoil  
 4' org brn cl lm  
 4' pale org tan sa lm  
 12' 15-20% rock frag

143  
 0' 1' topsoil  
 4' org red brn cl lm  
 4' pale red brn sa lm  
 13' 15% rock frag



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	
6-23-98	142	3.5'S	10:13	10:25	10:25	10:40	15
		11.0'D	Visual	- See	profile		OK
	145	4.0'S	10:18	10:21	10:21	10:26	5
		11.0'D	Visual	- See	profile		OK
	144	4.5'S	2:44	2:48	2:48	2:53	5
		12.0'D	Visual	- See	profile		OK
	143	4.0'S	3:27	3:40	3:40	4:05	25
		13.0'D	Visual	- See	profile		OK

REMARKS holes tested as stated

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

TESTED BY D. Roe ALSO PRESENT M. Johnson  
J. Ellis

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 12+ TRENCH WIDTH 3

INLET DEPTH 4.0 MAXIMUM BOTTOM DEPTH 6.0 SQ. FT./BEDROOM 210

# APPLICATION

PERCOLATION TESTING

A 510158

P \_\_\_\_\_

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

DISTRICT \_\_\_\_\_

DATE 5/20/98

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 BRS DEVELOPERS  
10805 HICKORY RIDGE ROAD  
ADDRESS COLUMBIA, MD 21044 PHONE 410-740-2100

AGENT OR PROSPECTIVE BUYER DONALD R PEPPER @ LAND DESIGN & DEV. INC  
ADDRESS 10805 HICKORY RIDGE ROAD PHONE 410-740-2100  
COLUMBIA, MARYLAND 21044

PROPERTY LOCATION:

SUBDIVISION FEILLY PROPERTY LOT NO. 25 (12) manor house

ROAD AND DESCRIPTION LEFT SIDE RT 97 OPPOSITE ROXMILL COURT  
PROPOSED SITE ACCESS FROM ROXBURY MILL ROAD

TAX MAP 21 PARCEL # 13 GRID 14

SIZE OF LOT ONE ACRE CLUSTER 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. DONALD R PEPPER, JR  
(SIGNATURE OF APPLICANT)

APPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

DISAPPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

HOLD PENDING FURTHER TESTS \_\_\_\_\_

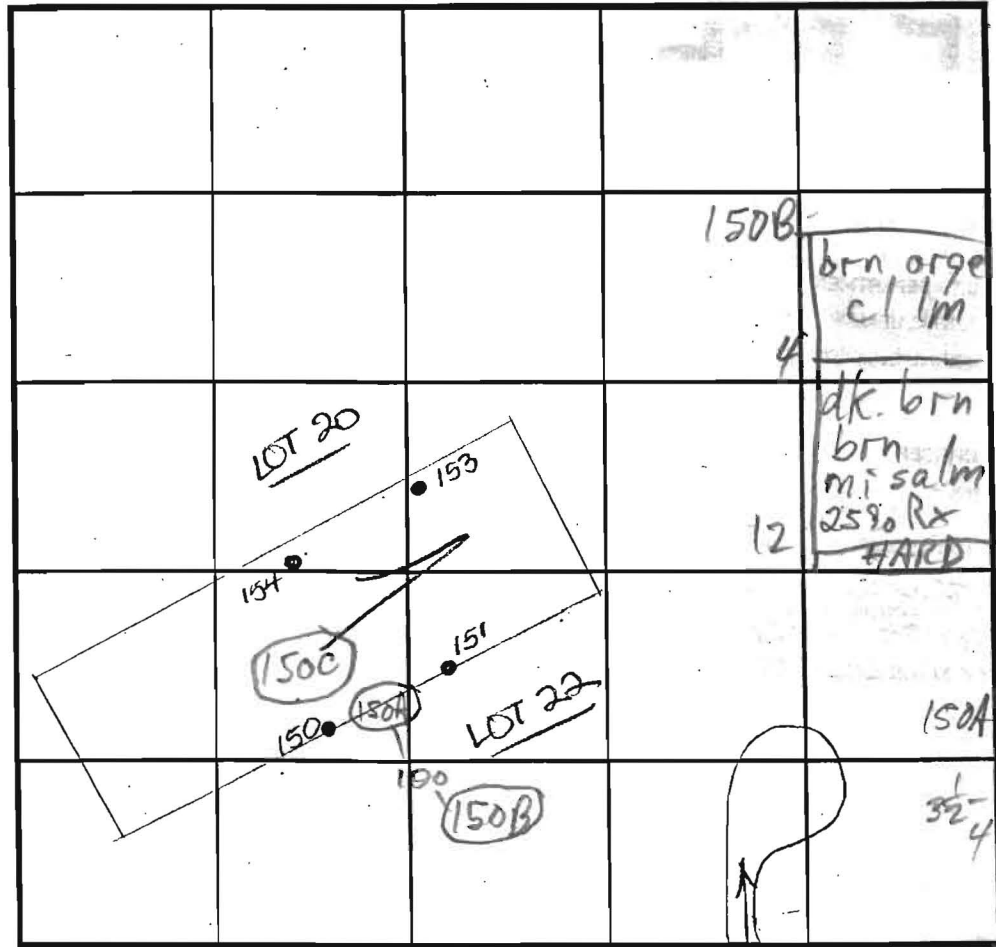
REASONS FOR REJECTION OR HOLDING \_\_\_\_\_

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

LOT 21



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Proposed Road HARD

COUNTY #

SOIL PROFILE

(151)  
0' topsoil  
1' red brn c/lm  
3.5' tan salm  
25%+ shale frag

(150)  
0' topsoil  
1' red brn c/lm  
3.5' med red brn salm

(154)  
0' topsoil  
1' red brn c/lm  
12' 30-35% sapt shale

(15A)  
0' topsoil  
1' red brn c/lm  
3.5' pale org tan salm  
4' pale grey salm w/ sapt sh  
9' pale grey salm w/ sapt sh  
11' 3" pale grey salm w/ sapt sh

SOIL PROFILE

153  
0' topsoil  
1' red brn c/lm  
med red brn salm  
6.5' pale org brn salm w/ 25% rock frag  
8' pale org brn c/lm

150A  
15-25% Rx  
red brn magenta salm  
HARD

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
6-23-98	151	4.0' S	2:18 <sub>3</sub>	2:21 <sub>3</sub>	2:21 <sub>3</sub>	2:26 <sub>3</sub>	5	
		13.0' D	Visual	- see	profile		OK	
	150	4.0' S	10:40	10:42	10:42	10:45	3	
		12.0' D	Visual	- see	profile		OK	
	154	4.0' S	10:47	10:49	10:49	10:52	3	
		11' 8" D	Visual	- see	profile		OK	
11-10-98	(153)	8.0' D	Refusal	- see	profile		FAIL	
7/25/03	150A <sup>M</sup>	8" 11	11:29:05	11:30:10	11:30:10	11:32:55	2.95	
	150B <sup>M</sup>	7 1/2" 12	11:46:05	11:49	11:49	11:53	4	
	150C		5' clay 25-35% shale below					

REMARKS: holes tested as staked

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

TESTED BY: D. See ALSO PRESENT: M. Johnson, S. Ellis

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

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

# APPLICATION

PERCOLATION TESTING

A 510158

P \_\_\_\_\_

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

DISTRICT \_\_\_\_\_

DATE 5/20/98

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 BRS DEVELOPERS  
10805 HICKORY RIDGE ROAD  
ADDRESS COLUMBIA, MD 21044 PHONE 410-740-2100

AGENT OR PROSPECTIVE BUYER DONALD R PEPPER @ LAND DESIGN & DEV. INC  
ADDRESS 10805 HICKORY RIDGE ROAD PHONE 410-740-2100  
COLUMBIA, MARYLAND 21044

PROPERTY LOCATION:  
SUBDIVISION REILLY PROPERTY LOT NO. 24 (13)

ROAD AND DESCRIPTION LEFT SIDE RT 97 OPPOSITE ROXBURY MILL COURT  
PROPOSED SITE ACCESS FROM ROXBURY MILL ROAD

TAX MAP 21 PARCEL # 13 GRID 14  
SIZE OF LOT ONE ACRE CLUSTER 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. DONALD R PEPPER, JR  
(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 \_\_\_\_\_

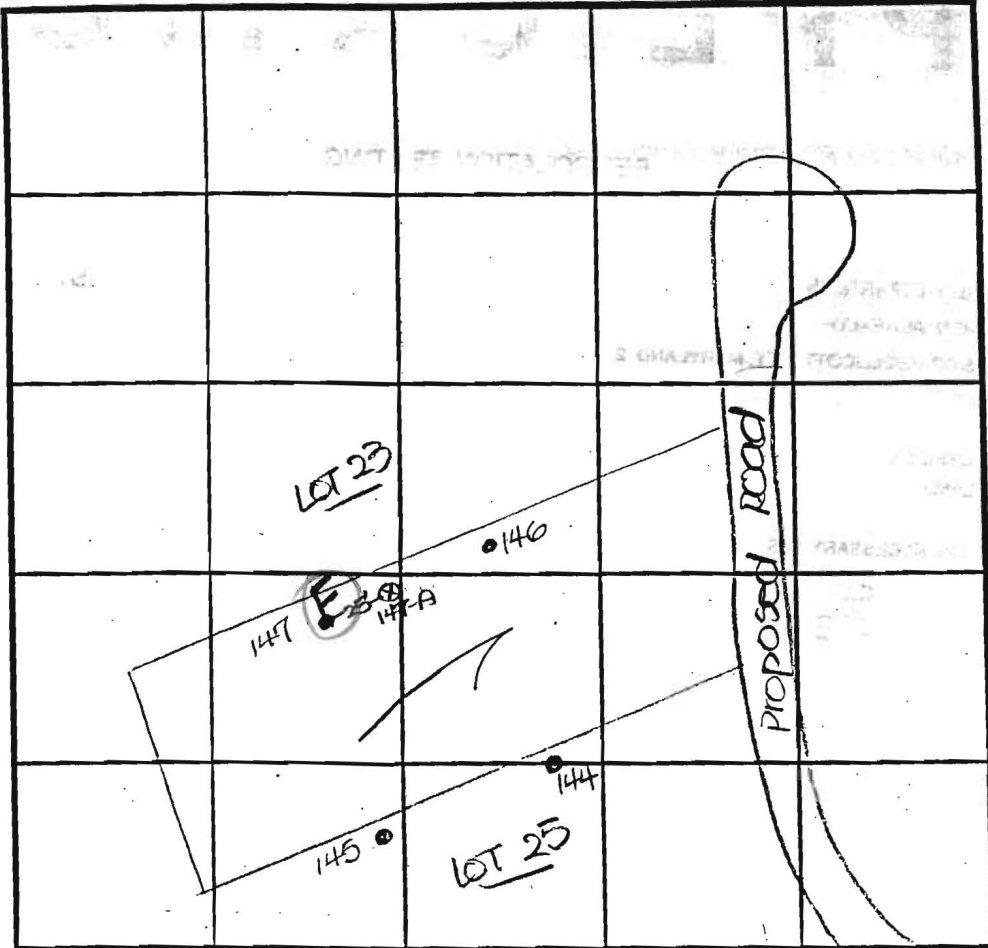
# THIS IS NOT A PERMIT

LOT 24

COUNTY #  
 SOIL PROFILE  
 146  
 0' topsoil  
 1' red brn cli 1m  
 3.5' pale org brn sa 1m  
 12'8" 25% sapr shale

147  
 0' topsoil  
 1' old barn footing  
 Stones  
 wood planks  
 w/ topsoil mix  
 7'

147-A  
 0' topsoil  
 1' org brn cli 1m  
 3.5' pale brn sa 1m  
 11' 30% sapr shale



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	
6-23-98	146	4.0'S	2:31	2:34	2:34	2:37	4
		12'8" D	visual	-See	profile		OK
	147	7.0'D	visual	-see	profile		FAIL
	147-A	4.0'S	2:40	2:42	2:42	2:46	4
		11.0'D	visual	-see	profile		OK

REMARKS: holes 146 and 147 tested as staked  
 TYPE OF SOIL \_\_\_\_\_  
 TESTED BY: D. Soe ALSO PRESENT: M. Johnson, S. Ellis  
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME \_\_\_\_\_ TRENCH WIDTH \_\_\_\_\_  
 INLET DEPTH \_\_\_\_\_ MAXIMUM BOTTOM DEPTH \_\_\_\_\_ SQ. FT/BEDROOM \_\_\_\_\_

# LOT 23

COUNTY #

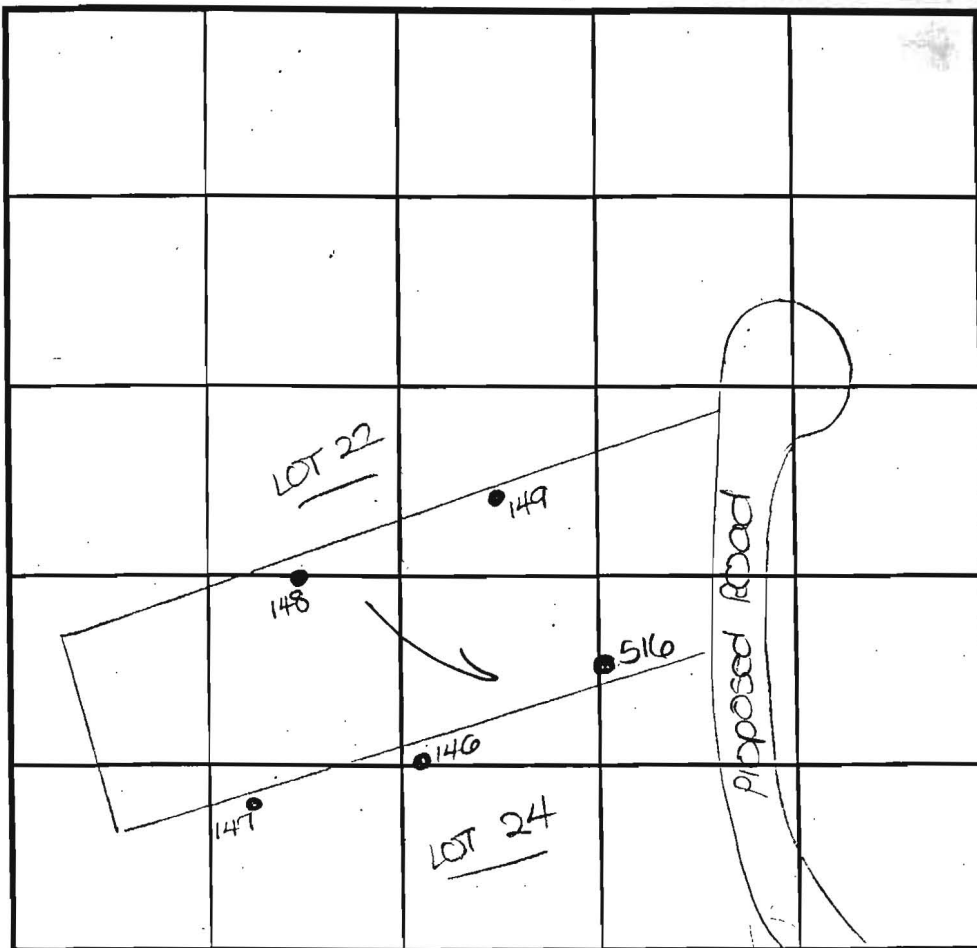
SOIL PROFILE

(148)  
 0' topsoil  
 1' red brn dlm  
 3.5' pale pk tan sa lm  
 11' 15% rock frag

(149)  
 0' topsoil  
 4' red brn dlm  
 13.5' pale org brn sa lm  
 25% sapr shale

SOIL PRO

0'



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1' DROP		TIME
			START	STOP	START	STOP	
6-23-98	148	4.0'S	10:31	10:32 <sub>3</sub>	10:32 <sub>3</sub>	10:35	3
		11.0'D	visual	- see	profile		OK
	149	3.5'S	2:25 <sub>3</sub>	little	slow -	OK below	
		13.5'D	visual	- see	profile		OK

REMARKS holes tested as staked

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

TESTED BY D. Soe ALSO PRESENT M. Johnson  
S. Ellis

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

MAXIMUM BOTTOM DEPTH

SQ. FT./BEDROOM

LOT 24

COUNTY #

SOIL PROFILE

0' 146  
 1' topsoil  
 red brn cl 1m  
 3.5' pale org brn sa 1m  
 25% sapr shale  
 12'8"

0' 147  
 1' topsoil  
 old barn footing  
 stones  
 wood planks  
 w/topsoil mix  
 7'

0' 147-A  
 1' topsoil  
 org brn cl 1m  
 3.5' pale brn sa 1m  
 30% sapr shale  
 11'



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	
6-23-98	146	4.0'S	2:31	2:34	2:34	2:37	4
		12'8" D	Visual	- See profile			OK
	147	7.0' D	Visual	- see profile			FAIL
	147-A	4.0'S	2:40	2:42	2:42	2:46	4
		11.0' D	Visual	- see profile			OK

REMARKS holes 146 and 147 tested as stated

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

TESTED BY D. Soe ALSO PRESENT M. Johnson S. Ellis

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

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

# APPLICATION

PERCOLATION TESTING

A 510158

P \_\_\_\_\_

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

DISTRICT \_\_\_\_\_

DATE 5/20/98

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 BRS DEVELOPERS  
10805 HICKORY RIDGE ROAD  
ADDRESS COLUMBIA, MD 21044 PHONE 410-740-2100

AGENT OR PROSPECTIVE BUYER DONALD R PEPPER @ LAND DESIGN & DEV. INC  
ADDRESS 10805 HICKORY RIDGE ROAD PHONE 410-740-2100  
COLUMBIA, MARYLAND 21044

PROPERTY LOCATION:  
SUBDIVISION REILLY PROPERTY LOT NO. 24 (13)

ROAD AND DESCRIPTION LEFT SIDE RT 97 OPPOSITE ROXBURY MILL COURT  
PROPOSED SITE ACCESS FROM ROXBURY MILL ROAD

TAX MAP 21 PARCEL # 13 GRID 14  
SIZE OF LOT ONE ACRE CLUSTER 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. DONALD R PEPPER, JR  
(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

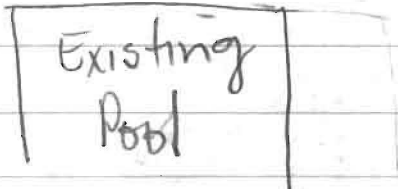
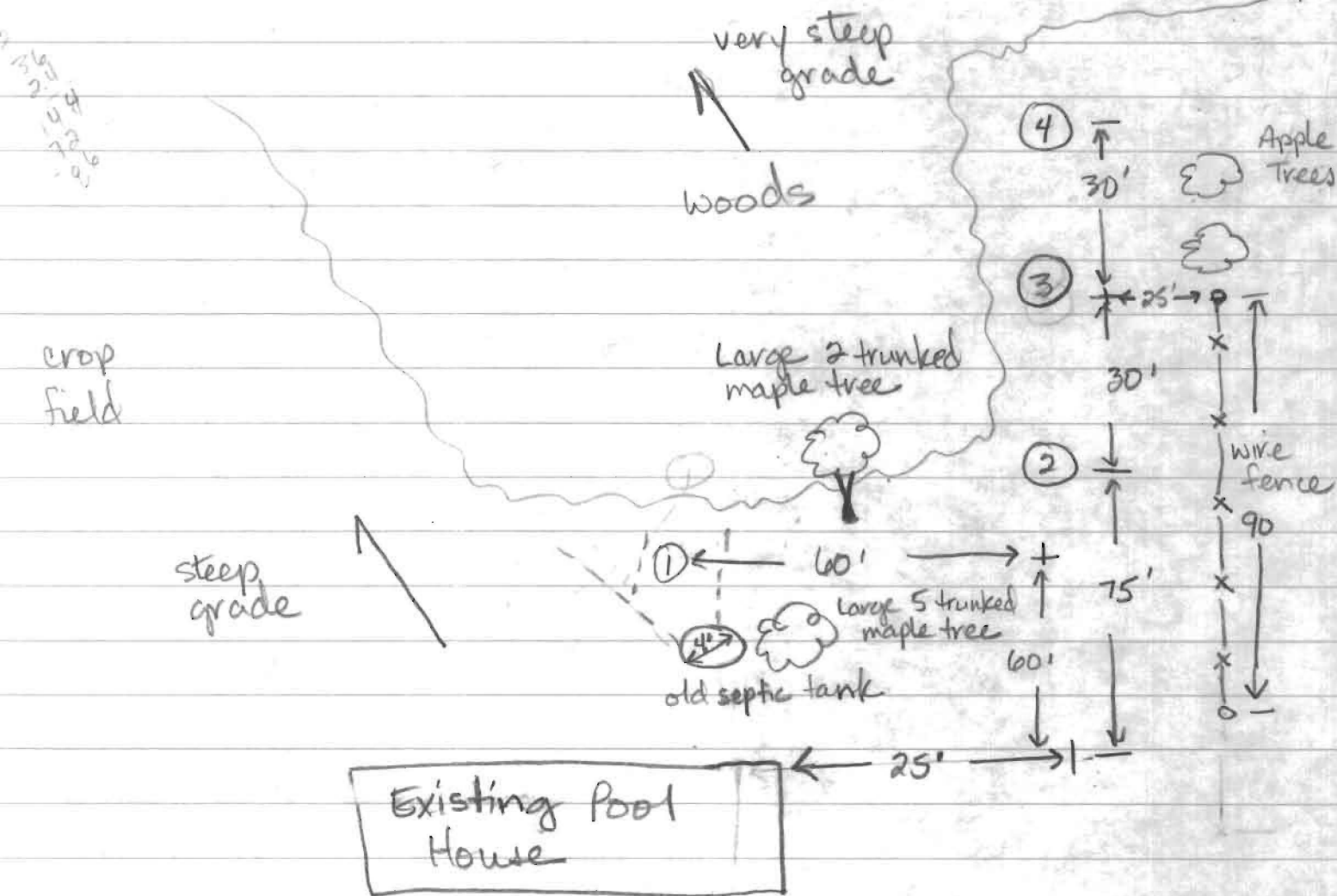
6-16-87

As relayed by backhoe operator, perc holes 1, 2, 3 refused at 12 ft, 6 ft, 2 ft respectively. Perc hole 4 was excavated to 16 ft, and perched well at about 12 feet.

4078 Route 97  
Catherine Ridley  
Cat Tail Farms.

Old Septic Tank  
4' diam x 5 ft  
deep under maple  
tree. Roots in lines.

old trench lines are  
2.0 to 2.5 ft deep



100 YR. FLOODPLAIN

PROP. WELL CARETAKER HOUSE

429

PROPOSED CARETAKERS HOUSE  
F.F.=455.00  
B.F.=445.00  
INV. OUT=442.50

TO ROB EX. POND

SEPTIC TANK

PROPOSED HOUSE  
F.F.=457.50  
B.F.=447.50  
INV. OUT=445.0

PUMP CHAMBER

(2) 1500 GA. SEPTIC TANK  
TOP SEAK  
EX. GROUND=445.5  
INV. IN=443.0  
INV. OUT=442.3

2000 GA. PUMP CHAMBER  
EX. GROUND=444.8  
INV. IN=442.0

1/29/02 T/C w/BLDR  
HE WANTS TO FIND  
AREA FOR MINIMUM  
ONE GRAVITY SYSTEM

TEMPORARY DRIVE TO CONNECT TO EX. DRIVE  
RE-TEST SCHEDULED FOR 3/1/02 FOR AREAS 1, 2 OR 3 AS SHOWN

EXISTING SEPTIC EASEMENT APPROVED 12/10/99 TO BE ABANDONED

(#4-WET SEASON)  
CONTINGENT ON DISTRIBUTION BOX PLAN, \$225 PER AND KNOWLEDGE THAT TANK LAYOUT DOES NOT CHANGE EVEN w/APPROVAL

DISTRIBUTION BOX PLAN, \$225 PER AND KNOWLEDGE THAT TANK LAYOUT DOES NOT CHANGE EVEN w/APPROVAL  
PROPOSED 10,000 SQ. FT. PRIVATE SEWAGE DISPOSAL CARETAKERS HOUSE

DISTRIBUTION BOX  
EX. GROUND=485.0  
INV. OUT=481.0

PROPOSED 20,000 SQ. FT. PRIVATE SEWAGE DISPOSAL MANOR HOUSE

System Plan  
Health Department

Date 2/27/01

TENNIS COURT

feet of trench required 400 feet

trench(es) 3 feet

trench(es) 6 feet

one required below 2 feet

874

EX