

APPLICATION

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 Elm Street Development

ADDRESS 6820 Elm Street, Suite 200, McLean, VA 22101 PHONE (703) 734-9730

AGENT OR PROSPECTIVE BUYER Mildenberg Boender And Assoc.

ADDRESS 5072 Dorsey Hall Drive, Ellicott City PHONE 410 997 0296
MD, 21042

PROPERTY LOCATION:

SUBDIVISION Shapiro Property LOT NO. 10 & 11

ROAD AND DESCRIPTION Long Corner Road, 1500 ft South of New Cut Road/Long
Corner Road intersection.

TAX MAP 6,12 PARCEL # 9

SIZE OF LOT 45,365 Sq. ft. 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.

(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

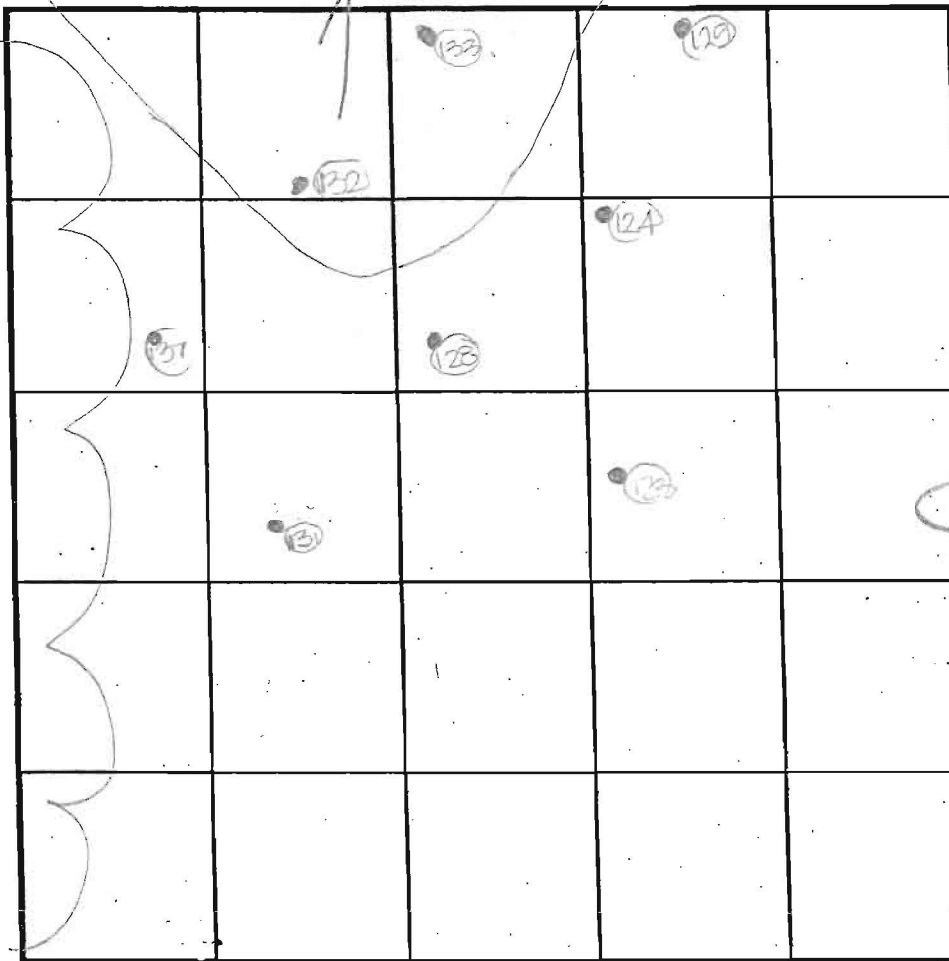
0' 131
 1' topsoil
 org brn cl lm
 5.5' 6' 14' brn sil lm 30% sh
 8.5' Refusal

128/124

1' topsoil
 org brn cl lm
 6' 14' gr brn sil lm 60% sh
 7.5' Refusal

137/135

5' 5.5' topsoil
 14' brn sil lm 60% sh
 9.5' Refusal



SOIL PROFILE

0' 132
 1' topsoil
 org brn cl lm
 20-30% sh
 5' red org brn sil lm 25% sh
 9' Refusal

133

1' topsoil
 org brn cl lm
 8.5' 10.5' gr brn sil lm 40% sh

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Long Corner Road

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
7-31-01	131	8.5'D	Refusal	See profile			FAIL
	128	7.5'D	Refusal	See profile			FAIL
	123	5.0'D	Refusal				FAIL
	137	8.5'D	Refusal	See profile			FAIL
	132	4.5'S	12:11 ₃	12:28 ₂	12:28 ₂	12:50 ₂	22
		9.0'D	Refusal	See profile			FAIL
	124	4.0'S	12:14 ₂	12:19 ₂	12:19 ₂	12:37 ₂	18
		9.0'D	Refusal	See profile			FAIL
	125	9.0'D	Refusal	See profile			FAIL
	133	10.5'D	Refusal	See profile			FAIL

REMARKS

holes tested as stated

TYPE OF SOIL

TESTED BY

DCC

ALSO PRESENT

DAVE KERR
GTA - MART

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME

TRENCH WIDTH

INLET DEPTH

MAXIMUM BOTTOM DEPTH

SQ. FT/BEDROOM

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PROPERTY OWNER _____

ADDRESS _____ PHONE _____

AGENT OR PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION Shapiro Property LOT NO. 11

ROAD AND DESCRIPTION Long Corner Road

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.

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

THIS IS NOT A PERMIT

Long Corner Road

COUNTY # _____

SOIL PROFILE

0'

SOIL PROFILE

0'

	(228)		
		(230)	
	(231)		
			(232)

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
1/22/02	231	4.5'/14'V	1:33	1:42	1:42	1:56:30	14 1/2
	(230)	5'/14.5'V	1:35	1:45	1:45	2:15	30
	232	4.5'/11.5'V	1:49 - Pulled, Slow		→		(F)
	231	8'			2:45:35	2:48:30	~3
	(230)	8'	2:54:15	2:56	2:56	3:00:30	4 1/2
	228	6'	3:05:45	3:22	3:22 - Slow		(F)
	227	5.5'	3:25 - Little Movement - Slow				(F)
	(230)	9.5'	3:44:15	3:47:15	3:47:15	3:52:15	5
	230 has similar profile to 231						

REMARKS _____

TYPE OF SOIL _____

TESTED BY B. Baker, R. Pinkley ALSO PRESENT _____

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT./BEDROOM _____

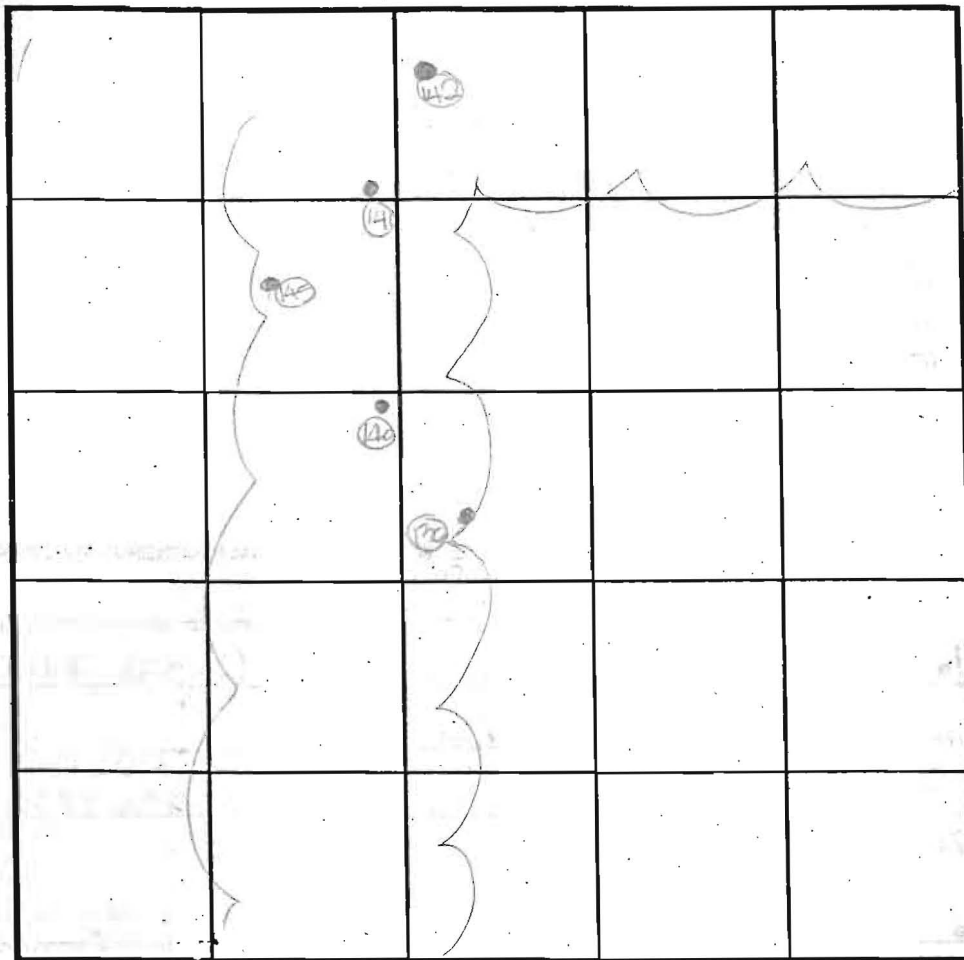
COUNTY #

SOIL PROFILE

0' 142
topsoil
red
org brn
cl lm
30% sh

5.5'
6' 141
1/2 red
brn
sl lm
60% sh

9' Refusal



SOIL PROFILE

0' 145
topsoil
org brn
cl lm
40% sh

4' 144
med
org brn
sl lm
40-50% sh

10' Refusal

140
topsoil
red org
brn
cl lm
1/2 brn
sl lm
40-50% sh

4.5'
10.5' Refusal

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Long Corner Road

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1' DROP		TIME
			START	STOP	START	STOP	
8-1-01	142	9.0'D	Refusal	1-see	profile		FAIL
	141	4.5'S	10:47	10:52	10:52	11:02	10
		10.0'D	Refusal	1-see	profile		OK
	136	4.0'S	11:13	11:26	11:26	11:56	FAIL
		9.5'D	Refusal	1-see	profile		FAIL
	145	4.0'S	11:33	11:38	11:38	11:48	10
		10.0'D	Refusal	1-see	profile		OK
	140	3.5'S	11:58	12:28	12:28	SLOW	-
		10.5'D	Refusal	1-see	profile		OK

REMARKS

holes tested as stacked

TYPE OF SOIL

TESTED BY

DJC/KG

ALSO PRESENT

STA-Marty

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME

TRENCH WIDTH

INLET DEPTH

MAXIMUM BOTTOM DEPTH

SQ. FT/BEDROOM

4.5'

141
topsoil
org brn
cl lm

4.5'
14
4' brn
sl lm
40% sh

10'
136
4.0'S

0'
136
topsoil
red org
brn
cl lm

8'
1/2 org
brn
sl lm
40-50% sh

9.5' Refusal

SOIL PROFILE

226
 A 3' Rd Bank L per
 St m Brn - clay
 Bt 5-7.5% 5/6
 hcl Gr 2/3
 32-33
 miv blue clay
 CR + st Brn clay
 + Bt
 vch cl-hcl
 yellow (massive)
 > 50% ch
 F-mch
 Red ophidite
 (massive in place)
 5' into > 6 ft-10'
 14'

227
 A6 2' Brn Sil-SiCL
 gran
 Bt1 clay
 ch SiCL
 micaceous gray
 v. float
 (1m-5sbk)
 2 1/2
 R 2' - Brn
 vch SiCL-SiCL
 massive clay
 need 20-25%
 5
 vch-vch SiCL
 30-40% - SiCL
 m-lg channels
 40% vch
 Red in matrix
 12 1/2
 (vch, massive)

231
 5' vch Brn L-SiCL
 7.5% 5/6
 ch CL 20%
 18'
 5YR 5/6
 ch L-CL
 30'
 9.5YR 4/6
 (Bt) ch SiCL
 25-40% ch
 5'
 v-ch SiCL
 7.5YR 7/6 - vPSL
 > 50% vch
 with 20-30% f-ch
 14'

230
 14' vch Brn L-SiCL
 3h gran
 hcl (2.5YR 5/6)
 ch L-CL
 2-4 f sbk
 27'
 R 2' (5YR 5/6)
 ch SiCL (vch clay)
 (massive)
 34'
 vch L-SiCL-PSL
 5YR 4/2-5/6
 mix (massive)
 14'
 vch
 20-30% ch
 30-45% ch
 30-45% ch

232
 11' vch Brn L-SiCL
 7.5YR 5/4-6
 ch SiCL
 (10-15 sbk)
 15'
 2.5YR 4/6-5/6
 (vch) ch
 20-30% ch L-CL
 4'
 vch ch/Flaggy
 5'
 East wall is
 70-75% lg Flaggy
 west wall is
 50-70% ch/PSL
 (massive) +
 vch clay

228
 Very
 Similar
 to 226
 (phylite
 in the rock)
 orange red SiCL
 mix with
 Nematolite
 (2.5YR 5/3-5/6)
 heavy clay
 + small phylite

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DRCP		TIME
			START	STOP	START	STOP	
1/27/02	(Low) 226	v 14'	4 1/2'				Fail
	(High) 227	v 12 1/2'	4'				Fail
	229	only 10 ft					Fail
	MEB2 (75% ch)	231	v 14'				Fail
	MEB2	230	v 14'				Fail
	MEB2	232	v 11'				Fail
For deeper tests @ 230 + 231 led to use heavier bar for open holes due to require rockiness in ground (50% lg ch channels) The appearance is red SiCL with soil between 1 ft away from rocks.							

My watch (Panic)
 10 1/2 hr 13 min faster
 than 4 rocks
 + 1 1/2 hr 15 min faster
 than 2 rocks.