

APPLICATION

PERCOLATION TESTING

A 516084

P _____

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

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 SECURITY DEVELOPMENT, L.L.C.

ADDRESS P.O. BOX 417
ELLICOTT CITY, MD 21041 PHONE 410-465-4244

AGENT OR PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION HOMEWOOD LOT NO. 55

ROAD AND DESCRIPTION HOMEWOOD ROAD

TAX MAP 23 & 29 PARCEL # 20 & 86

SIZE OF LOT 1 ACRE ± TYPE BLDG. SINGLE FAMILY DETACHED
(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.

SECURITY DEVELOPMENT LLC
By: [Signature] MEMBER
(SIGNATURE OF APPLICANT) STEVEN K. BIRBAUM

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 _____

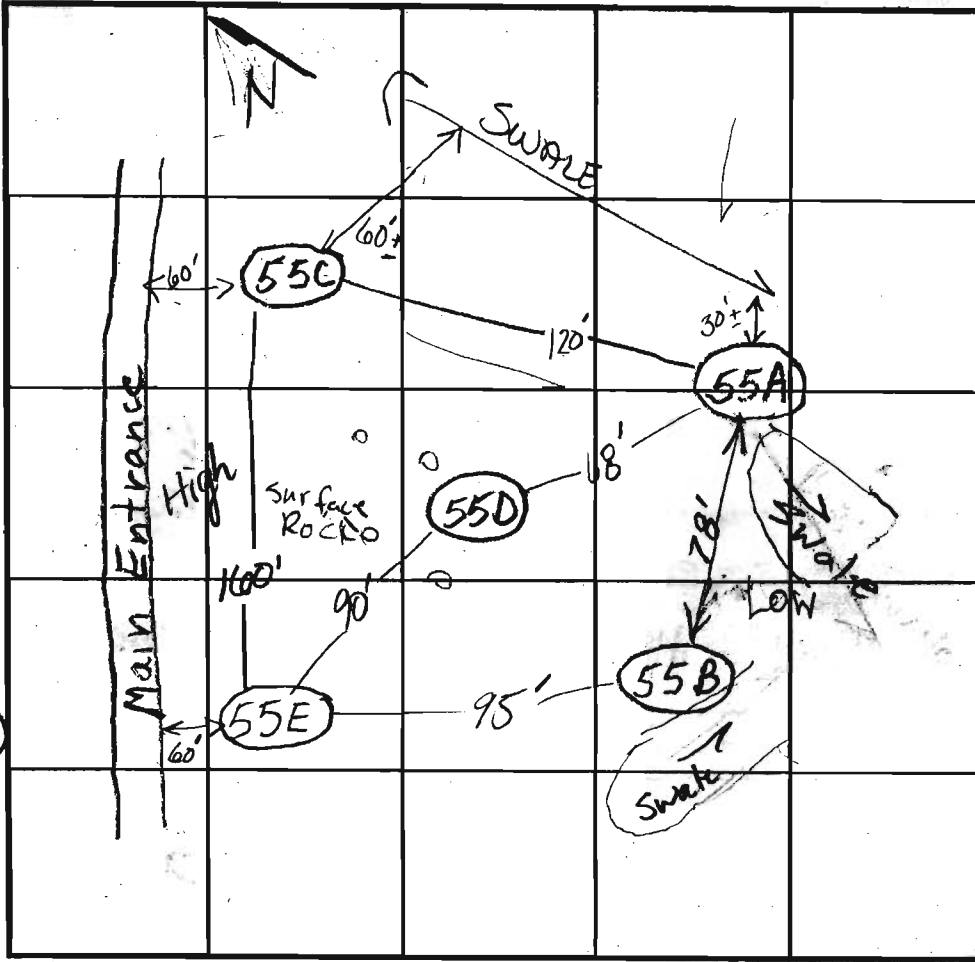
THIS IS NOT A PERMIT

516084

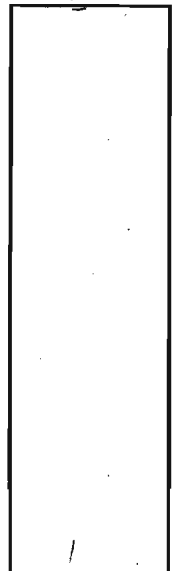
COUNTY #

SOIL PROFILE

0' SOIL PROFILE 55C
 Strong org brn clay
 1 1/2'
 4 1/2' Lmy Sand
 SAND
 Strong ybrn wk org tan
 Rx
 10-15%
 Bottom 14'
 55E 55A 55B
 dk brn
 hvy Lm
 55'
 Med Br
 Loamy Sand
 ~5% Rock
 Bottom 14'



SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Homewood Road

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
5/16/02	55C	5' 5" / 14"	10:37:56	10:38:18		10:39:09	50 sec OK
		12x12	10:38	10:39:01		10:41:00	2"
	55D	Refusal @ 5'	Boulders @ 2'		Excessive Rock		(F)
	55A	6'3" / 14'	10:59	11:00	11:00	11:01:20	1 min 20 sec OK
		7.5'	10:59:45	11:03:15	11:03:15	11:08	~5
	55B	4.5' / 14'	11:07	11:09		11:12	3 min OK
		5.5'	11:08	11:10		11:12	3 min
	55E	5'	11:19:30	11:28	11:28	11:47	19 OK
		6'9" / 14"	11:19:40	11:21		11:23:30	2 1/2 min

REMARKS Holes per plan

TYPE OF SOIL _____

TESTED BY BB/KG ALSO PRESENT HAT FIELDS

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

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

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3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2840

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 SECURITY DEVELOPMENT, L.L.C.
P.O. BOX 417
ADDRESS ELLICOTT CITY, MD 21041 PHONE 410-465-4244

AGENT OR PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION HOMWOOD LOT NO. 54

ROAD AND DESCRIPTION HOMWOOD ROAD

TAX MAP 23 & 29 PARCEL # 20 & 86

SIZE OF LOT 1 ACRE ± TYPE BLDG. SINGLE FAMILY DETACHED
(SINGLE FAMILY DWELLING OR COMMERCIAL)

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COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT. By: [Signature] MEMBER
(SIGNATURE OF APPLICANT) STEVEN K. BRIDGEMAN

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

511084

COUNTY #

SOIL PROFILE
54E

Red Br Heavy Loam 3'
Or Br Si and Sa Loams 35'
Beige Sa Loam 5-10% Rock

54C

Strong brown hvy gravel loam 3-3 1/2'

Tan, beige S-LMS ~30% Rk 5 1/2'

SAND Gravelly Rk frags 40-50%

Bottom 14.5'

54A

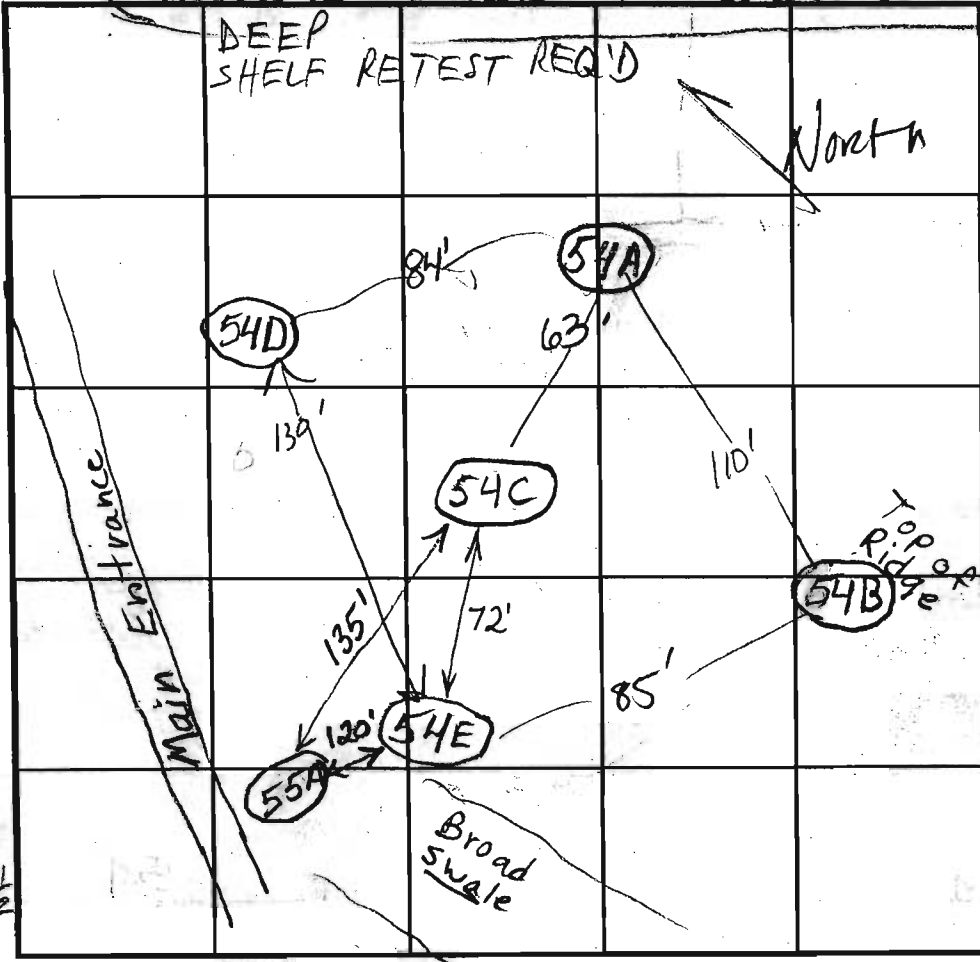
Org brown org hvy 2m w clay packets 5'

beige white sand

~15% Rock

Hole 54B → 6'-2:33:50 2:35:35 2:35:55 2:42:13 ~ 7min

DEEP SHELF RE TEST REQ'D



SOIL PROFILE
54D

Light Red Br Loam to Sand Loam 4'
Beige Sa Loam ~15% Rock

54B

DK brown strong brn hvy LMS w coarse packets 5 1/2'
Rx React Eo wall fine sand 30-35% overall 20-20 1/2 1/4'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Homewood Road

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
5/16/02	54E	6' / 14' V	1:17:21	1:18:11		1:19:30	1 1/2 min
		6.5'	1:14:10	1:14:50	1:14:50	re pour	↑
		4'	1:19:21	1:22	1:22	1:25	3
	Needs further testing bottom @ 4 1/2' for syst.	5' / 14.5' V	1:43:10	1:46:30		1:54:30	8 min
	Failed Unless Tested In Rock	2.5 gal @ 14 1/2'	with presoak ~ 30 sec				
	54A	6' / 14.5' V	2:08:15	2:09	2:09	2:10:45	1 min 45 sec
		5' 9"	No movement in 20 min				
	54D	4.5' / 14.5' V	2:16:45	2:17:30		2:18:50	~ 1 1/2 min
		6.5'	2:17:38	2:20:10		2:24:11	4 min

REMARKS 54A - Deeper ULM, dense on E side ≥ 5 1/2'

TYPE OF SOIL Shallow system may be possible for 54B

TESTED BY BB/KG ALSO PRESENT HAS FIELDS

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME TRENCH WIDTH

MAXIMUM BOTTOM DEPTH SOIL BEDROCK

OK

F

OK

OK

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

DISTRICT _____

DATE _____

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

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PROPERTY OWNER SECURITY DEVELOPMENT, L.L.C.

ADDRESS P.O. BOX 417
ELLICOTT CITY, MD 21041 PHONE 410-465-4244

AGENT OR PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION HOMWOOD LOT NO. 53

ROAD AND DESCRIPTION HOMWOOD ROAD

TAX MAP 23 & 29 PARCEL # 20 & 86

SIZE OF LOT 1 ACRE ± TYPE BLDG. SINGLE FAMILY DETACHED
(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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BY: [Signature] MEMBER
(SIGNATURE OF APPLICANT) STEVEN K. BIRBAUM

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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

516084
COUNTY #

SOIL PROFILE
53A

0'
y brn
brn
hvy, micaceous
Lm
1/3
lt org brn
tan
y brn
fine
Lm
SAND
Rx < 50%
Bottom

53D

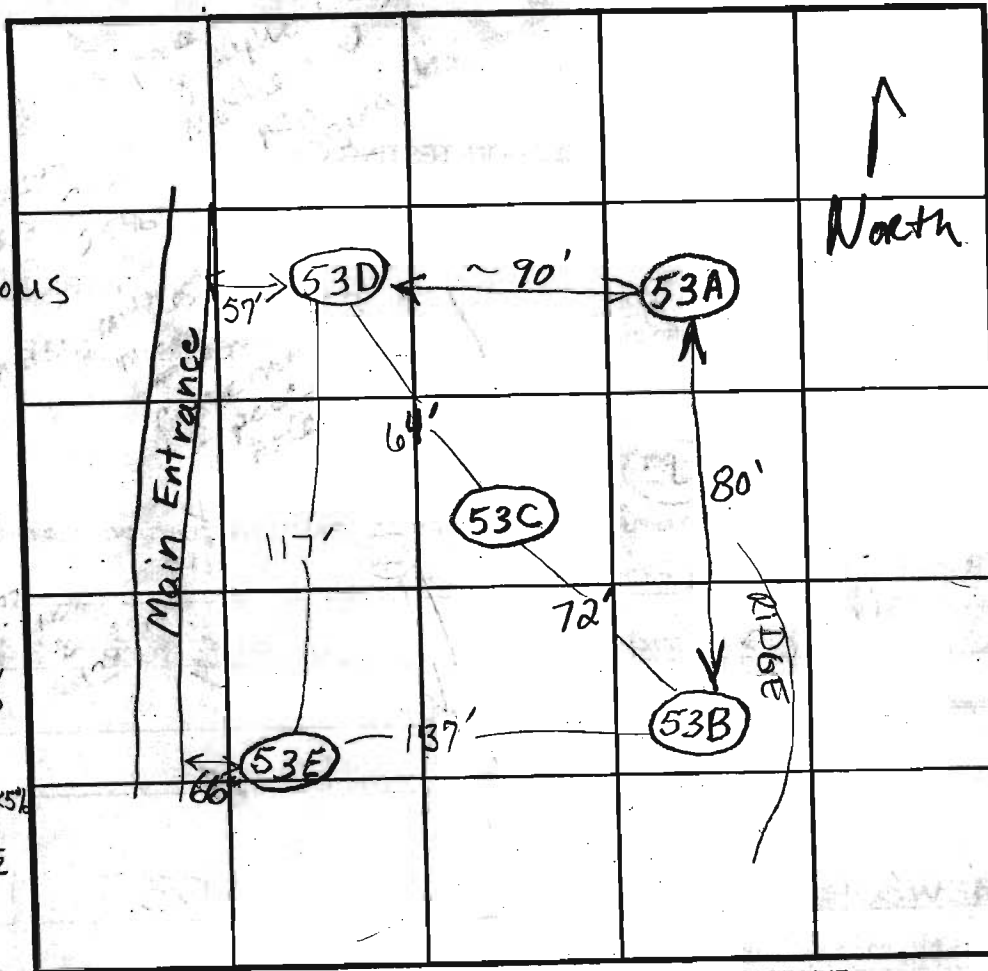
org brn
strong brn
CL Lm
Rx < 50%
micaceous
s. Lm
2 1/2
5'

white
beige
sand w/
pockets
of s loam
Rx 5-70%
Bottom
14'

5 1/2' 53C NENE wall

hvy dk
brn
Lm
strong
red
brn
CL
pebbles
50%
4 1/2'

white
beige
sand
20-30%
Rx
sm frags



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE
53B

0'
strong
red, dense
scl Lm
Pebbles
20-30%
5 1/2'
sa cl loam
30-40%
7'
30-40%
coarse
sand -
Lm SAND
↑
hvy
bit-o
clay
Bottom
14'

53E

1 1/2'
DK y brn
hvy Lm
DK y brn
tan
beige Lm
Lm SAND
MED Brn
Rx < 10%
Bottom
13 1/2'

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
5-15-02	53A	6' 4" / 13'	3:31:31	3:32:14	3:32:14	3:33:45	1 3/4 min OK
		4' 3" / 8'	3:31:52	3:36:52	3:36:52		28 min OK
5-16/02	53D	4' 1/2'	9:46:20	9:49:35		9:53:52	4 1/2 min OK
		5' 1/2' / 14'	9:46:39	9:48:39		9:51:30	3 min OK
	53C	6' / 16'	9:52:50	9:54:50		9:57:45	3 min OK
	53B	6' / 14'	10:20	10:44	10:44	~3 1/4" in 30 minutes	(F)
			2.5 gal @ 14' ≤ 15 secs				
	53E	4' / 13 1/2'	10:20:00	10:22:39		10:26	4 min OK

REMARKS: Holes per plan
TYPE OF SOIL:
TESTED BY: BB/k6 ALSO PRESENT: Hatfields
TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME: TRENCH WIDTH:

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PROPERTY OWNER Security Development

ADDRESS P.O. Box 417, Ellicott City, MD PHONE (410) 465-4244
21041

AGENT OR PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION Homewood LOT NO. _____

ROAD AND DESCRIPTION Homewood Road

TAX MAP 23+29 PARCEL # 20+86

SIZE OF LOT 1 Acre ± 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.

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SOIL PROFILE

0'

(7004)

Red Br
Loam

3.5' 4.5'

Or Br and
Red Br Si
Loam, Sa
Loam and
Gravelly Loam
~ 30% Rock
and Gravel

9'

Beige
Gravelly
Loam 35-40%
Rock and
Gravel

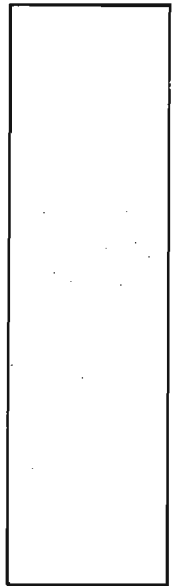
14'

Paved Access

(7004)
Near top
of Knoll

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	
6/24/03	7004	5.5' / 14" V	1:55:30	1:58	1:58	2:02	4

REMARKS _____

TYPE OF SOIL _____

TESTED BY _____ ALSO PRESENT _____

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

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3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
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ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION Homewood LOT NO. _____

ROAD AND DESCRIPTION Homewood Road

TAX MAP 23+29 PARCEL # 20+86

SIZE OF LOT 1 Acre ± TYPE BLDG. SFD
(SINGLE FAMILY DWELLING OR COMMERCIAL)

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COUNTY #

SOIL PROFILE

299

Red Br Heavy Loam

3.5' - 4'

Red Br Loam and Or Br Sa Loam

~10% Rock

6'

Beige Sa Loam

10-15%

Rock and Saprolite

14'

300

Similar to 299

But siltier Above 6'

15'

302

Red Br Heavy Loam

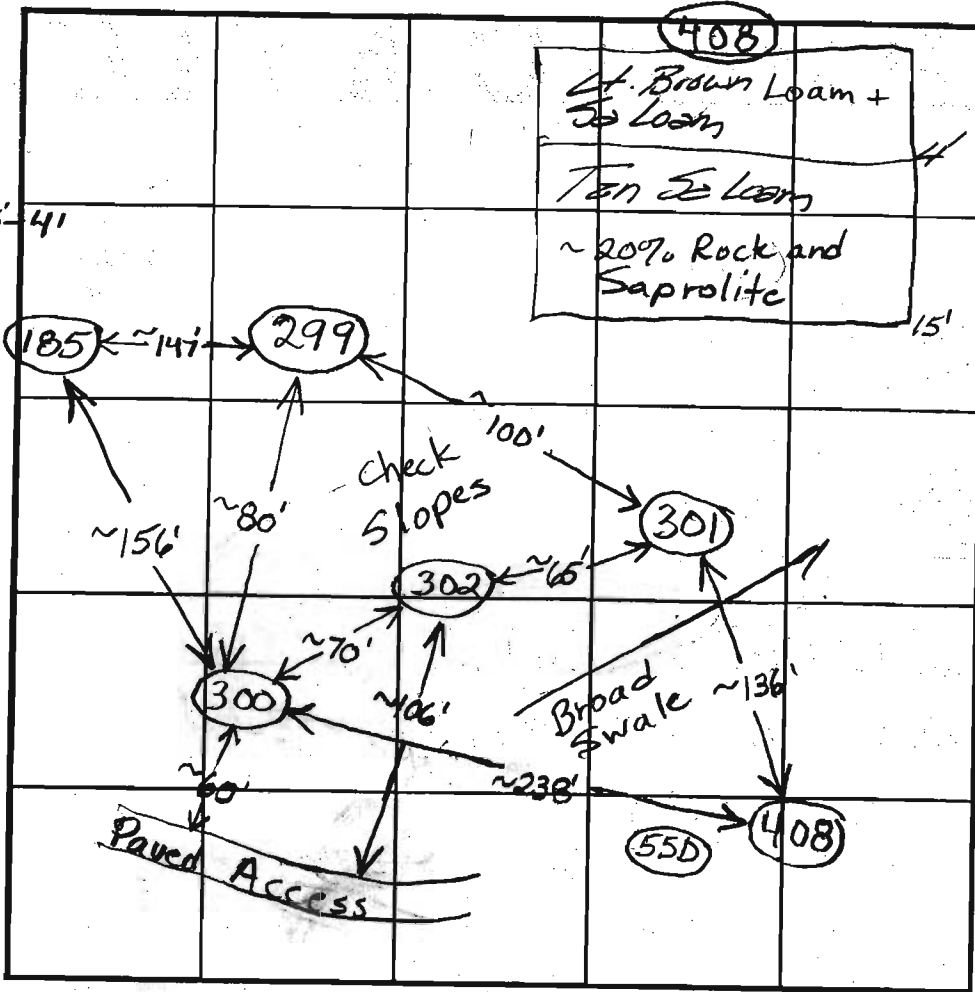
~5% Rock

6.5' - 7.5'

Med Or Br Sa Loam

10-15%

Rock and Saprolite



SOIL PROFILE

301

Red Br Heavy Loam

5'

Red Br Loam

~10% Rock

6.5' - 7.5'

Or Br Sa Loam

10-15%

Rock and Saprolite

14' 3"

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
3/26/03	299	7' / 14' V	8:55	8:58:30	8:58:30	9:04	5 1/2	O.K.
		5' 3"	8:57	9:00	9:00	9:07	7	
	300	5' 9" / 15' V	9:17:45	9:25:30	9:25:30	9:36:30	11	O.K.
		6.5'	9:16:15	9:21	9:21	9:26	5	
	302	5' / 14.5' V	9:36	No Movement in 10 Minutes			Slow	(F)
		7'	9:37	~15/16" in 30 minutes			Slow	
	301	7' / 14' 3" V	9:58	~1/4" in 25 minutes			Slow	(F)
	408	5' / 15' V	10:12:45	10:17:15	10:17:15	10:24	~7	O.K.
		6.5'	10:10	10:13:45	10:13:45	10:20	~6	

REMARKS

TYPE OF SOIL

TESTED BY B. Baker / F. Alfonso

ALSO PRESENT

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME

TRENCH WIDTH

1/2" INLET DEPTH

MAXIMUM BOTTOM DEPTH

SOIL TEMPERATURE



EDWARD H. MURPHY
 LANDSCAPER & ARCHITECT