

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 MD, 21042 PHONE 410 997 0296

PROPERTY LOCATION:

SUBDIVISION Shapiro Property LOT NO. 5 4

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 44,361 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'

topsoil

erg
brn
clm

4'

erg
brn
sil
to
bedge
sil25%+
sh

13'

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	
7-9-01	28	4.5'S	2:22	2:30	2:30	2:42	12
		13.0'D	Visual	- See report	2:42	2:54	OK

REMARKS

hole tested as soaked

TYPE OF SOIL

TESTED BY

DKC/KG

ALSO PRESENT

GTA - Moist

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME

TRENCH WIDTH

INLET DEPTH

MAXIMUM BOTTOM DEPTH

SQ. FT/BEDROOM

COUNTY #

SOIL PROFILE

0'

topsoil
org lam
cl lm
org brn
sl lm
40%bt
sh
Refusal

20

topsoil
org brn
cl lm
org
brn
sl lm
15%bt
sh

13

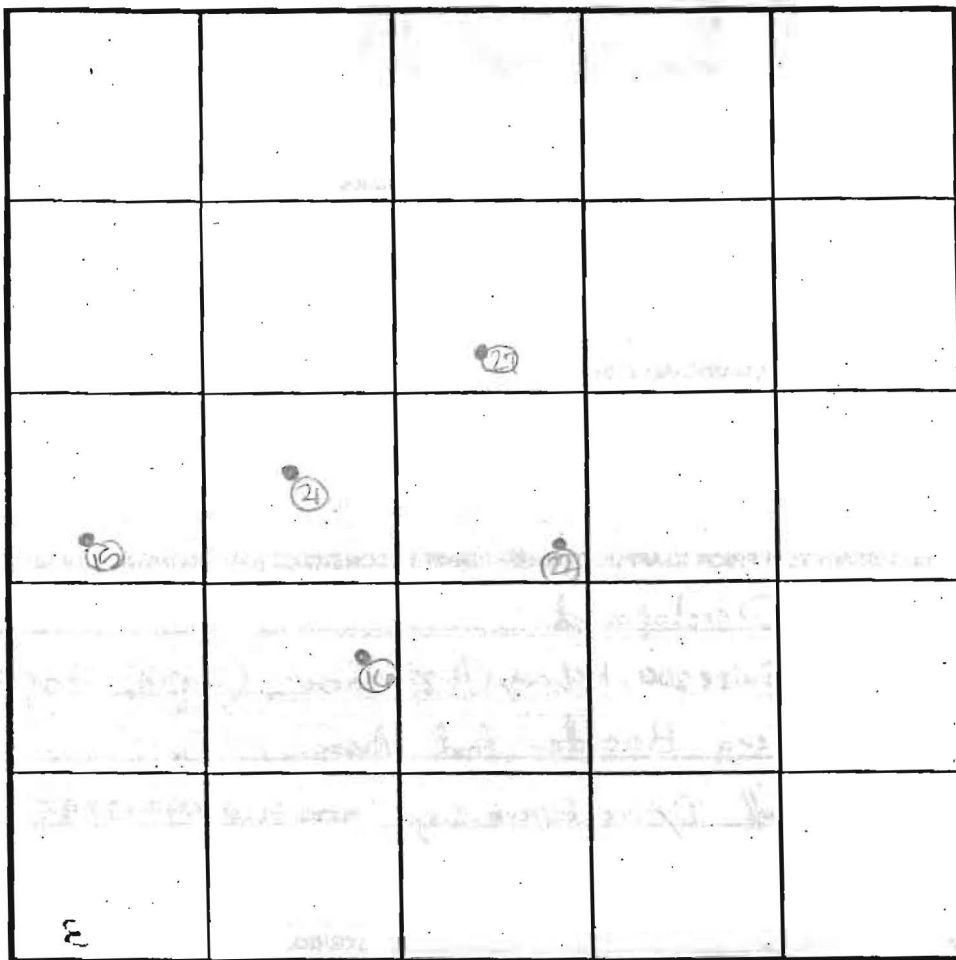
21

topsoil
red
brn
cl lm
org
brn
sl lm

4

45

org
brn
sl lm
frag
Refusal



SOIL PROFILE

0'

topsoil
red
brn
cl lm
org
brn
sl lm
20%
sh
Refusal

3.5

4

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
7-9-01	22	5.0'S	1:08	1:19	1:19	1:34	15
		8.5'S	Refusal	1:57	2:00	2:10	FAIL
	27	4.0'S	1:17	1:22	1:22	1:34	12
		13.0'D	Visual	- see	profile		OK
	21	5.0'S	1:36	1:53	1:53	2:17	24
		9.0'D	Refusal	- see	profile		FAIL
	15	6.5'D	Refusal				FAIL
	16	4.5'S	1:40	1:42	1:42	1:45	6
		9.5'D	Refusal	- see	profile		OK

REMARKS

holes tested as staked

TYPE OF SOIL

TESTED BY

DLC/KG

ALSO PRESENT

GTA - Martin

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME

TRENCH WIDTH

INLET DEPTH

MAXIMUM BOTTOM DEPTH

SQ. FT/BEDROOM

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PROPERTY LOCATION:

SUBDIVISION Shapiro Property LOT NO. 8

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 40.171 Sq.ft TYPE BLDG. Single Family Dwelling
(SINGLE FAMILY DWELLING OR COMMERCIAL)

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THIS IS NOT A PERMIT

COUNTY #

SOIL PROFILE

0' 47'

1' Topsoil

red org loam cl lm

4' org brn sil lm 35% sh

6' 5' 7' Coar silt sh

8' 4' Refusal

(40)

1' Topsoil

org brn cl lm

5' Silty Loam light brn

70% sh

8' 1/2' Refusal

(33)

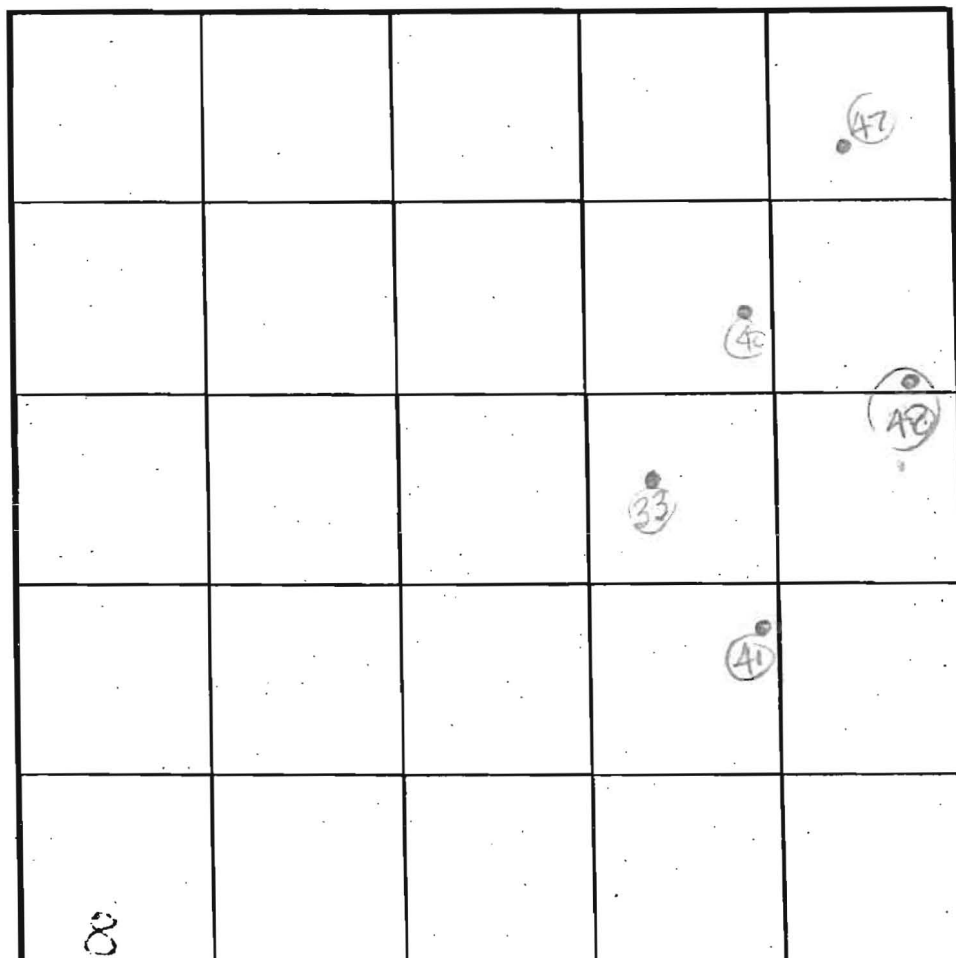
1' Topsoil

org brn cl lm

4' Grey brn sil loam

6' 1/2' 75% rock frag

8' Refusal



SOIL PROFILE

0' 48'

1' Topsoil

org brn to red brn cl lm

3' 1/2' 4' org beige silt 100%

5' 4' 70% loam Rock frag

7' 8' Refusal (41)

1' Topsoil

Red brn clay loam

3' 1/2' 4' light brn silt lm 35-40% shale 60% shale

7' 1/2' 8' 1/2' 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	
7-10-01	47	8' 4" D	Refusal	1 - See profile			FAIL
	40	8.5' D	Refusal	1 - See profile			FAIL
	33	4 1/2' S	11:03	11:07	11:07	11:12	5
		9' D	Refusal	1 - See profile			FAIL
	48	7' 8" D	Refusal	- see profile			FAIL
	41	8' 1/2" D	Refusal	- see profile			FAIL

REMARKS

holes tested as stated

TYPE OF SOIL

TESTED BY

DKC/KG

ALSO PRESENT

GTA - 100% sh

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME

TRENCH WIDTH

INLET DEPTH

MAXIMUM BOTTOM DEPTH

SQ. FT/BEDROOM

Lots 3 & 4

404

403

1' brn sil
3 v f s b k
yel-red L
2 f s b k
10% channers
2.9' yellow
pale yellow
sil
4.3' yellow-red
pale yellow
2 yellow
chsil
25-30% rock
7.3' yel-brn
vch sil
55% flags & channers
few boulders



0.9' brn sil
3 v f s b k
brn L
2 f s b k
few 2' yel-brn L
channers
3.4' 2 v f s b k
brn L
2 v f s b k
4' yellow chsil
25-30% channers
6.5' brn xchsil
70% channers
& flags
9.5' R

404-A

1' brn L
yel-red L
3' yellow & brn
sil
few channers
7' yellow
chsil
9' R

405

brn L
1' 2 v f s b k
yel-brn L
2 f s b k
10% channers
2.7' red, yellow
& brn
chsil
3.2' yellow & red
chsil, & m
8' yellow, yel-red
& pale yellow
vchsil
10' 35-40% channers

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
7/25/14	403	3.5'	12:01	R:21	pull / reshel		
reshel	403	4.6'	R:21	R:25	13:33	8	
7/25/14	404	4' / 6.5'	R:25	12:30	12:40	10	
7/25/14	404A	9'	Visual	3'-5' sidewall	0.8 gpd / R:3	P	
7/25/14	405	10'	Visual	2.7'-6'	0.8 gpd / R:2	P	
Bufferers: 403, 3'; 404, 2.5'; 404-A, 4'							
405, 4'							

REMARKS: Install initial system on Lot 3 in area of '404A'

SANITARIAN: J. Bricker BACKHOE: Donnie (Garcia's) OTHERS: Jason Van Kirk

TEST HOLES USED IN SDA: H. Oswald Adelle, Pedro

AVG. PERC TIME: SQ. FT/BR

TRENCH WIDTH: INLET DEPTH: MAX. BOT DEPTH: EFFECTIVE SW

(208)

2.5' 3.5' Red Br
Cl Loam
Light Or Loam
Predominantly
Silt
Pockets of
~30% Rock
6' Pockets of
~40% Rock
11.5' Pockets of
~50% Rock
8'

4'
1:59 2:03:30 2:10 6 1/2 min
7.5'
2:16 2:17:15 1 1/4 min total
But Slowing Down

(216)

3-3.5' Red Or Br
Cl Loam
Light Or Loam
Predominantly
Silt
3.5' Pockets of
~50% Shale
7.5' >50% Rock
9'

8.5'
2:57:30 2:58:30
1 minute total

(209)

3-3.5' Red Br
Cl Loam
Or Br Si
Cl Loam
5.5' Si Loam
15-20%
Rock
11.5'

4.5'
4:19:30 4:33
Pulled, slow
5'
2:06 2:15 2:30
1 1/2 min

(206)

3-4' Red Br Cl
Loam
Or Br Sa
Cl Loam
5.5' Or Br Si
Loam
8' 10-50%
Rock

8'
4:29:30
4:31:30
2 min total
5'
4:39 4:44 4:49 5 min

(212)

3' Red Br Cl
Loam
Or Br Sa Cl
Loam and Si
Loam to 7'
Si Loam Below
7'
6' Pocket of
~50%
Shale
9'

5'
3:23:30 3:27 3:33:30
6.5 minutes
8'
3:36:30 3:43:30

(204) >50% Rock at 9'
5'

(213)

4' >50% Rock at 6'
2:19 - Pulled, Slow
~ 1/2" in 40 min

2:52 - Pulled, Slow
~ 3/8" in 30 min