

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. 3 243

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 40,905 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' (22)
topsoil
org bn
cl lm
6' org bn
si lm
40%bt
sh
8.5' Refusal

0' (27)
topsoil
org bn
cl lm
4' org
bdge
si lm
15%bt
sh

0' (21)
topsoil
red
bn
cl lm
4-4.5' org
bn
si lm
6.5' 7' 100%
sh
flag
Refusal

		(22)		
(16)		(21)		(21)
		(16)		
2				

SOIL PROFILE

0' (16)
topsoil
red
bn
cl lm
6.5' 4' org
bdge
si lm
20%
sh
8.5' Refusal

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' D Refusal	1:51	2:00	2:00	2:15	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	1:48	(6)
		9.5'D Refusal	See profile				OK

REMARKS

muds tested as stored

TYPE OF SOIL

TESTED BY

DLC/KG

ALSO PRESENT

GTA - Harry

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME

TRENCH WIDTH

INLET DEPTH

MAXIMUM BOTTOM DEPTH

SQ. FT/BEDROOM

208

Red Br
Cl Loam

4'
1:59 2:03:30 2:10 6 1/2 min

2.5-3.5'

Light Or Loam
Predominantly
Silt

7.5'
2:16 2:17:15 1 1/4 min total
But Slowing Down

Pockets of
~30% Rock

Pockets of
~40% Rock

Pockets of ~50% Rock

216

Red Or Br
Cl Loam

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

3-3.5'

Light Or Loam
Predominantly

5.5'

Silt
Pockets of
~50% Shale

7.5'

>50% Rock

9'

212

Red Br Cl
Loam

5'
3:23:30 3:27 3:33:30
6.5 minutes

3'

Or Br Sa Cl

Loam and S
Loam to 7'

Silt Loam Below

6'

Packet of
~50%
Shale

9'

209

Red Br
Cl Loam

3-3.5'

4.5'
4:14:30 4:33
Pulled, slow

Or Br Si
Cl Loam

Si Loam
5-20%
Rock

5.5'

11.5'

5'
2:06 2:15 2:31:30
19 1/2 min

206

Red Br Cl
Loam

3-4'

8'
4:29:30

Or Br Sa
Cl Loam

4:31:30

2-Or Si
Loam

2 min total

40-50%
Rock

5'
4:29 4:44 4:49 5 min

204 >50% Rock at 9'

5'

213

4'

>50% Rock at 6'

2:52 - Pulled, slow

2:19 - Pulled, slow

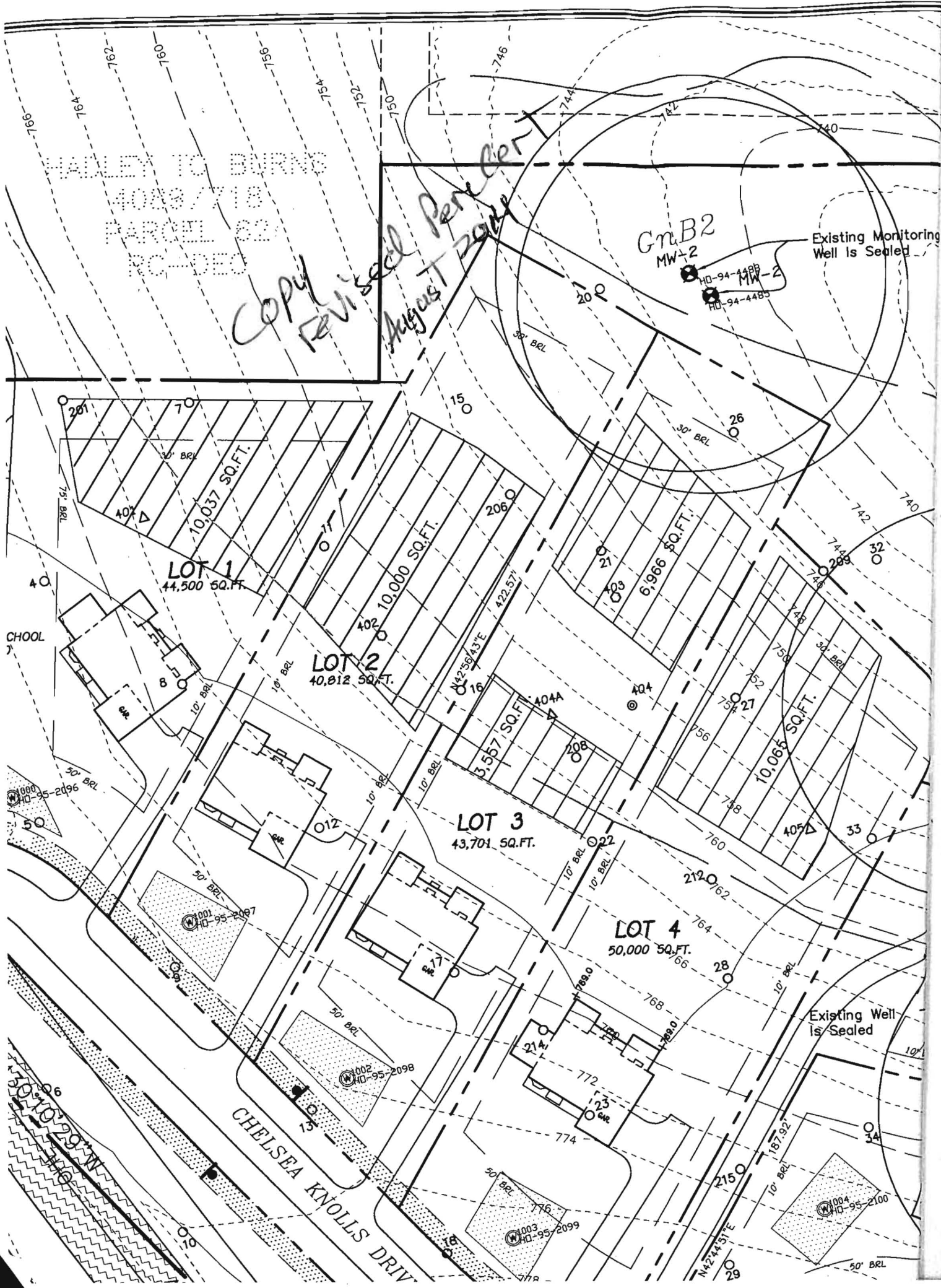
~3/8" in 30 min

~1/2" in 40 min

BURNS
18
62
0

COPY REVISSED PER CERT
August 2004

38' bet



Check
scale

Distance
well to 404A

Boys 4.5 - 5 - 5.11
at 13' upline of 404A

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
yellow
ch sil
25-30% rock
7.3' yel-brn
v ch 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' channers
3.4' yel-brn L
2 v f s b k
brn L
4' 2 v f s b k
yellow ch sil
25-30% channers
6.5' brn x ch sil
70% channers
2 flags
9.5' R

404-A

1' brn L
yel-red L
3' yellow & brn
sil
few channers
7' yellow
ch sil
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
ch sil
3.2' yellow & red
ch sil, m
8' yellow, yel-red
& pale yellow
v ch sil
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	12:21	pulled / reshel		
	403	4.6'	12:21	12:25	12:33	8	
7/25/14	404	4'	12:25	12:30	12:40	10	
7/25/14	404A	9'	Visual	3'-5' sidewall	0.8 gpd / ft	P	
7/25/14	405	10'	Visual	2.7'-6'	0.8 gpd / ft	P	
Buffers: 403, 3'; 404, 2.5'; 404-A, 4' 405, 4'							

REMARKS: Install initial system on Lot 3 in area of 404A
 SANITARIAN: R Bricker
 BACKHOE: Donnie (Hartfield)
 TEST HOLES USED IN SDA: H. Oswald, Adolfo, Pedro
 OTHERS: Jason Van Kirk
 TRENCH WIDTH: _____ INLET DEPTH: _____ MAX. BOT DEPTH: _____ EFFECTIVE S/W: _____
 AVG. PERC TIME: _____ SQ. FT/BR: _____

COUNTY #

SOIL PROFILE

0'

brso 1
org tan
clm

4'

org tan
sil m
20%+ sh

8.5'

org sh

10'0"

refusal

0'

brso 1
red org
tan
clm

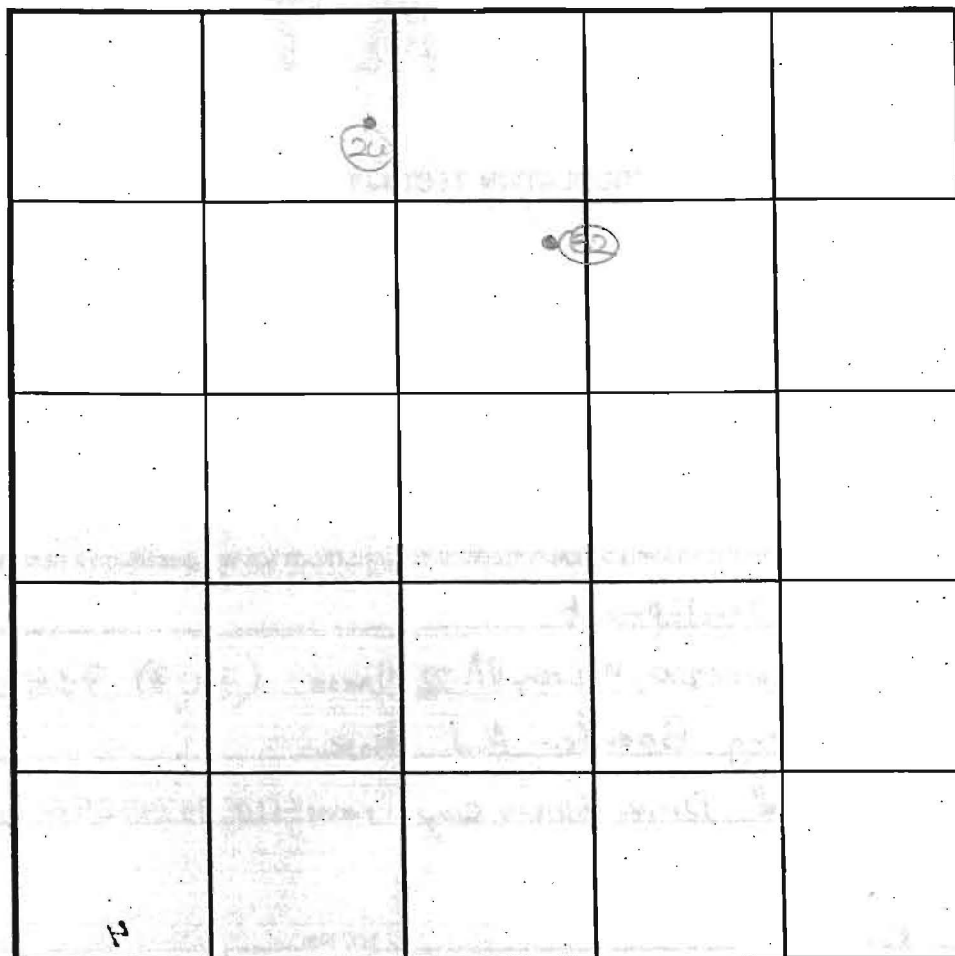
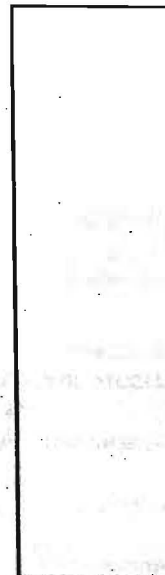
5'5"

org
tan
sil m
20%+ sh

12'

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	32	5.5'S	1:55	1:56	1:56	1:57	1
		10'0"D	Refusal	- See profile	1:57	2:00	FAIL
	26	5.5'S	2:06	less than 1" is	2:40		OK
		13.0'D	Visual	- See profile			OK
(Redoubt)	32	5.5'S	4:04	4:05	4:05	4:06	1

REMARKS

holes tested as staked

TYPE OF SOIL

TESTED BY

DKC/KG

ALSO PRESENT

GTA - R. M. M. M.

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME

TRENCH WIDTH

INLET DEPTH

MAXIMUM BOTTOM DEPTH

SQ. FT./BEDROOM