

APPLICATION

PERCOLATION TESTING

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
P.O. BOX 476 ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 461-9933

9-3-87 Percs ok
pending plat
approval JEN

A 39921

P _____

DISTRICT 5TH

DATE 8-19-87

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I, HEREBY, APPLY FOR THE NECESSARY TEST IN ORDER TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER Alfred Bassler

ADDRESS 4994 Shepherd Lane PHONE 531-2193

PROSPECTIVE BUYER N/A

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION Twelve Hills Sec III LOT NO. 28-29-21

ROAD AND DESCRIPTION Linden Church Rd

TAX MAP 28 PARCEL # 49

SIZE OF LOT 3 acres 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. Mal D. Klein
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 9-3-87 for perc hole location and subdivision plat approval. Limited house site with gravity flow. JEN

BLDG. PERMIT SIGNED
AND RETURNED 7/24/91

THIS IS NOT A PERMIT

9-3-87-5FD
5 Bedrooms

High A
Low B C

A 39921

①

SOIL PROFILE

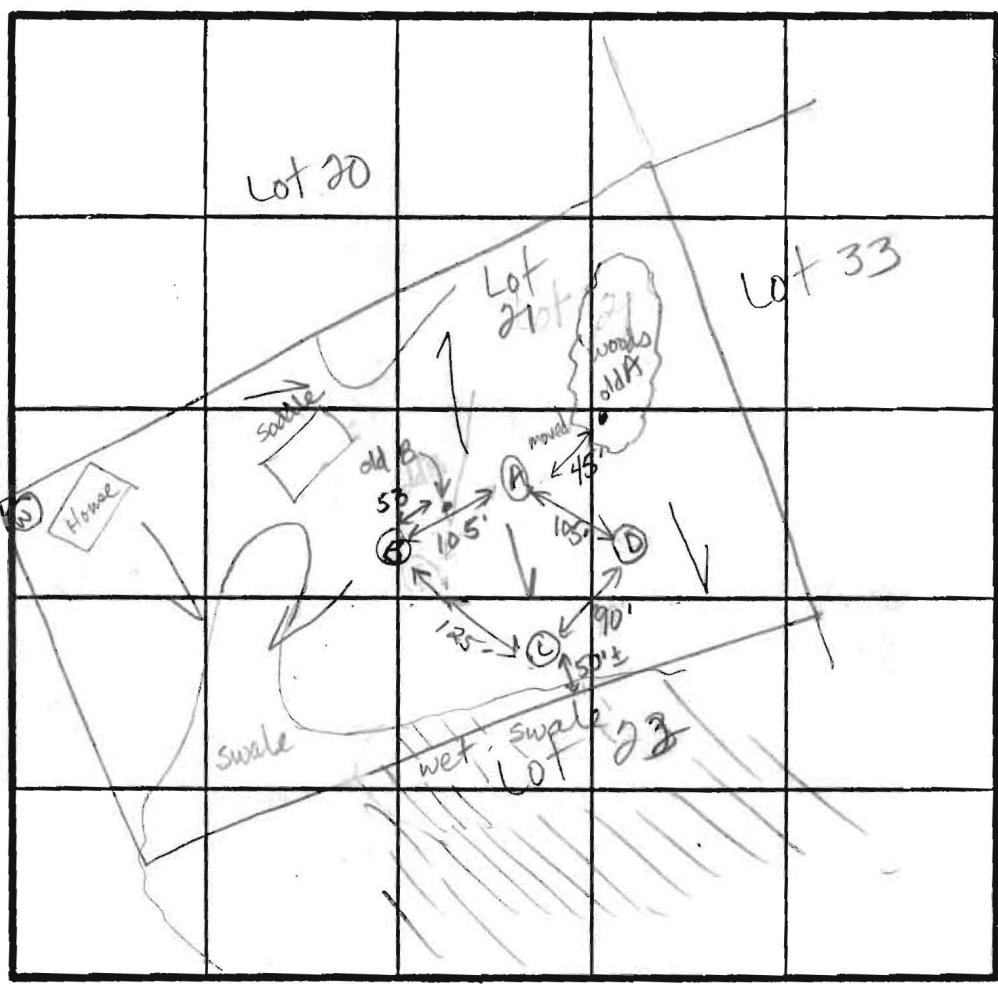
0-4.5 Red-brown si cl lm
4.5-12 Tan si sa lm, trc mica
12.0 Bottom

②

0-4 Br si cl lm, trc gul < 5%
4-8.5 Tan sa si lm
8.5-13.5 White micaceous sandy silt (decomposed granite, quartzite)
13.5 Bottom

③

0-3 Red-br si cl lm
3-12.5 Tan sa si lm, trc saprolite
12.5 Bottom



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

④
0-7.0 Brown si cl loam
7-11.0 Tan si loam
11.0-12.5 White sa si loam (decomposed granite-quartzite)
12.5 Bottom

~~Start dust box at A, trenches to rt & left Inlet @ 5' bottom at 9'~~

X PERC 11/min
190 #/BR
Inlet 3.5'
Bottom 7.5'

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
9-3-87	D	3.5 S	10:59	11:05	11:05	11:18	13
		12.0 D	Bottom (see profile)				
	C	4.5 S	11:09	11:14	11:14	11:27	13
		13.5 D	Bottom (see profile)				
	A	3.5 S	11:23	11:37	11:37	11:43	6
		7.0 M	11:25	11:41	11:41	11:52	11
		12.5 D	Bottom (see profile)				
	B	12.5 V	(see profile)				ok

REMARKS: Holes A & B moved down slope from rock pile in trees. May have slight downhill grade from house site to septic
TYPE OF SOIL: 0-4 Br si cl lm, 4-9 Tan sa si lm 9-13 white sa si lm
TESTED BY: J E Nadeau ALSO PRESENT: Glen K, Mark W.

EH-12-1079

APPLICATION

PERCOLATION TESTING

A 518986
P _____

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

DISTRICT 5TH
DATE 5/27/03

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 SAMIR B. HISHMEH & MARY WELDON HISHMEH, T/E
13058 TWELVE HILLS ROAD
ADDRESS CLARKSVILLE, MD 21029-1143 PHONE 410-531-2316

AGENT OR PROSPECTIVE BUYER N/A
ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION TWELVE HILLS - SECTION THREE LOT NO. 51
ROAD AND DESCRIPTION 13058 TWELVE HILLS ROAD

TAX MAP 28 PARCEL # 381

SIZE OF LOT 3.1133 AC 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. Samir Hishme
(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

AP ①

Brn, roots
SLM granular
w/ brn
LMS w/ some roots

Strong brn
w/ long brn
CL Lm
Dense,
pockets
of strong
org CLM
Rx < 5%

Str brn, org br
SLM Gtz
layer 3/10%

MED BRN
loam, tightly packed
Rx @ 12' 25%

①

Brn
s.g. & some
bk structure
roots
Loam
Trace Rx

Dense
Str brn
CL Layer
micaceous

rd brn
micaceous
SLM
tightly packed
single grains

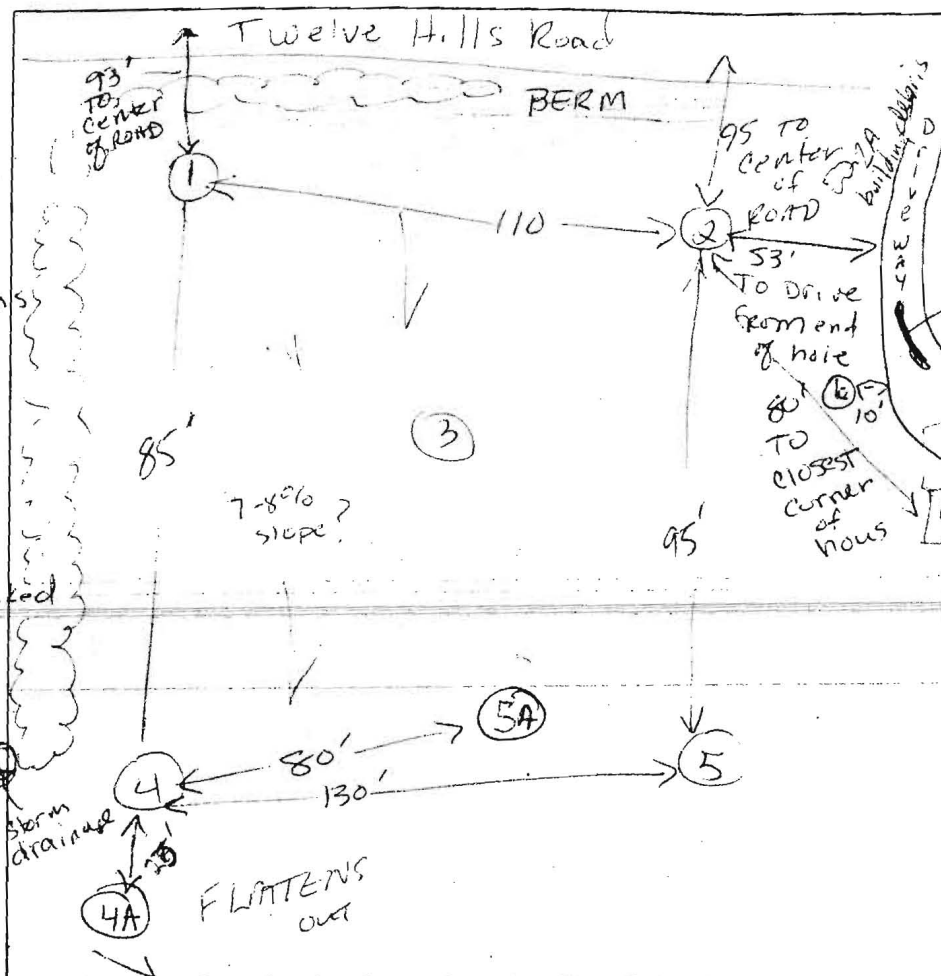
Hard micac.
saprophyte
layer 10-15'
rd brn, dk brn
L Sand
Rx 10-15%
Bottom

②

Strong brn
ybrn
scl Lm
Dense
Rx 100%
5-100% organic
Dense ybrn
CL Lm

Brn
ybrn
micac.
L Sand
Rx 3/10%

Bottom



⑥ ⑤

Strong
org brn
organic
material
Dense
CL Lm

Decayed
Rock
white
Strong
org
break
open
peds:
grey/red
(spots)

5A

DK Brn
Dense
CL Lm

Strong
yorg
CL Lm

Str org
SLM - Lm
R. bbons 2/4

some mottles
water

③

Dense
Brn

scl Lm

Dense
CL

Org Lm
to SLM

Trace
Rx

STOPPED
DIGGING
@ 12' OK

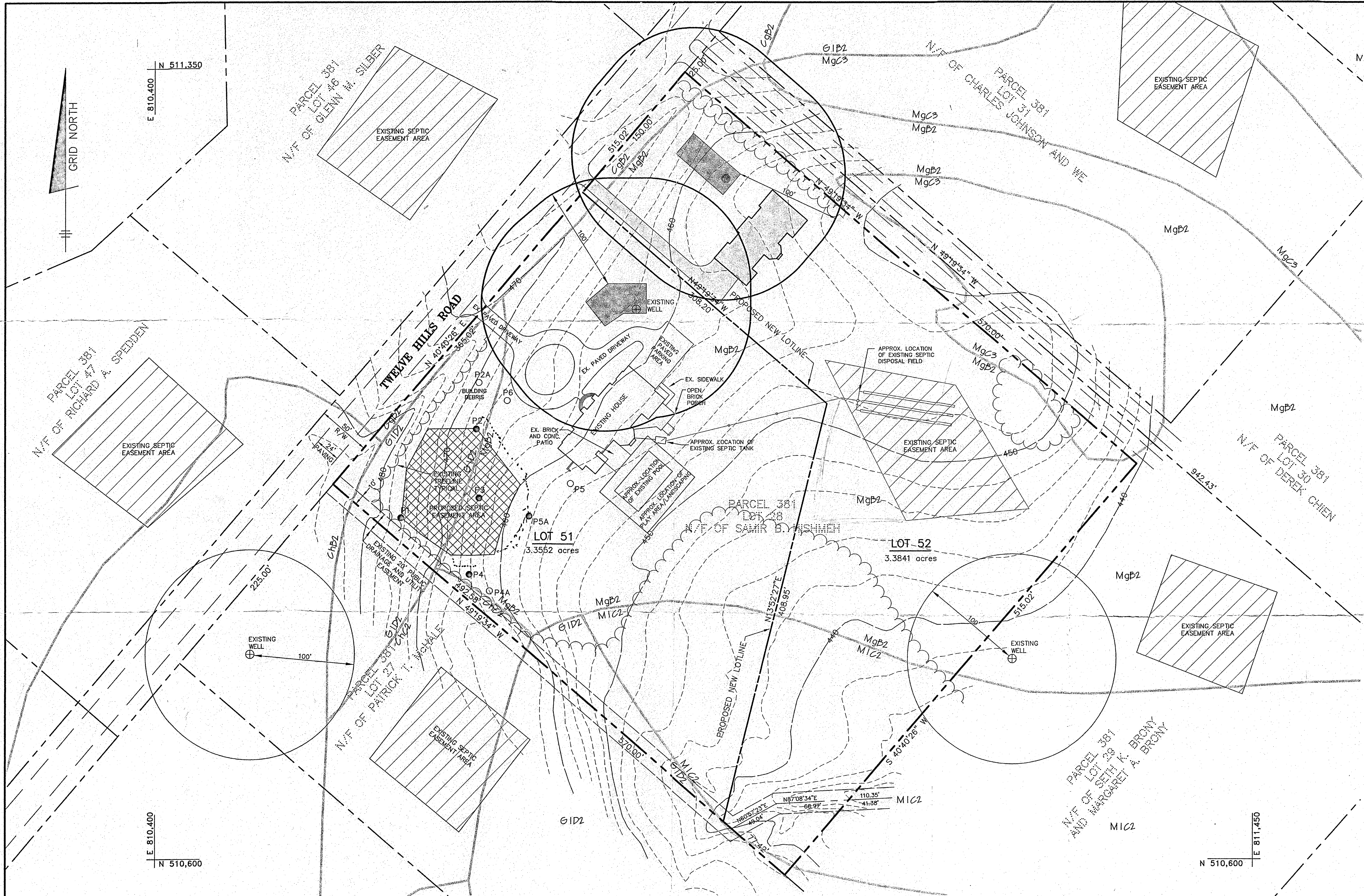
DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2nd INCH	P/F/H
7-14-03	④	6 1/2' / 12'v	9:13 34	9:23	9:31	8	P
	①	4 1/2' / 12'v	9:24 30	9:32 28	9:41	9	P
	②	7' M / 10'v	9:59	10:02	10:07	5	P
	⑥	Visual					F
	⑤	Visual	more Rx frag than ⑥				F
	④A	Visual	mottles @ 6 1/2' - water @ 13'				F
	⑤A	5 1/2' / 13'v	11:06	11:01	11:17	6	H/P
	③						P

REMARKS ADJUSTED LOT 51 SDA ⑤A well drained soils, expect H₂O to reach 11"

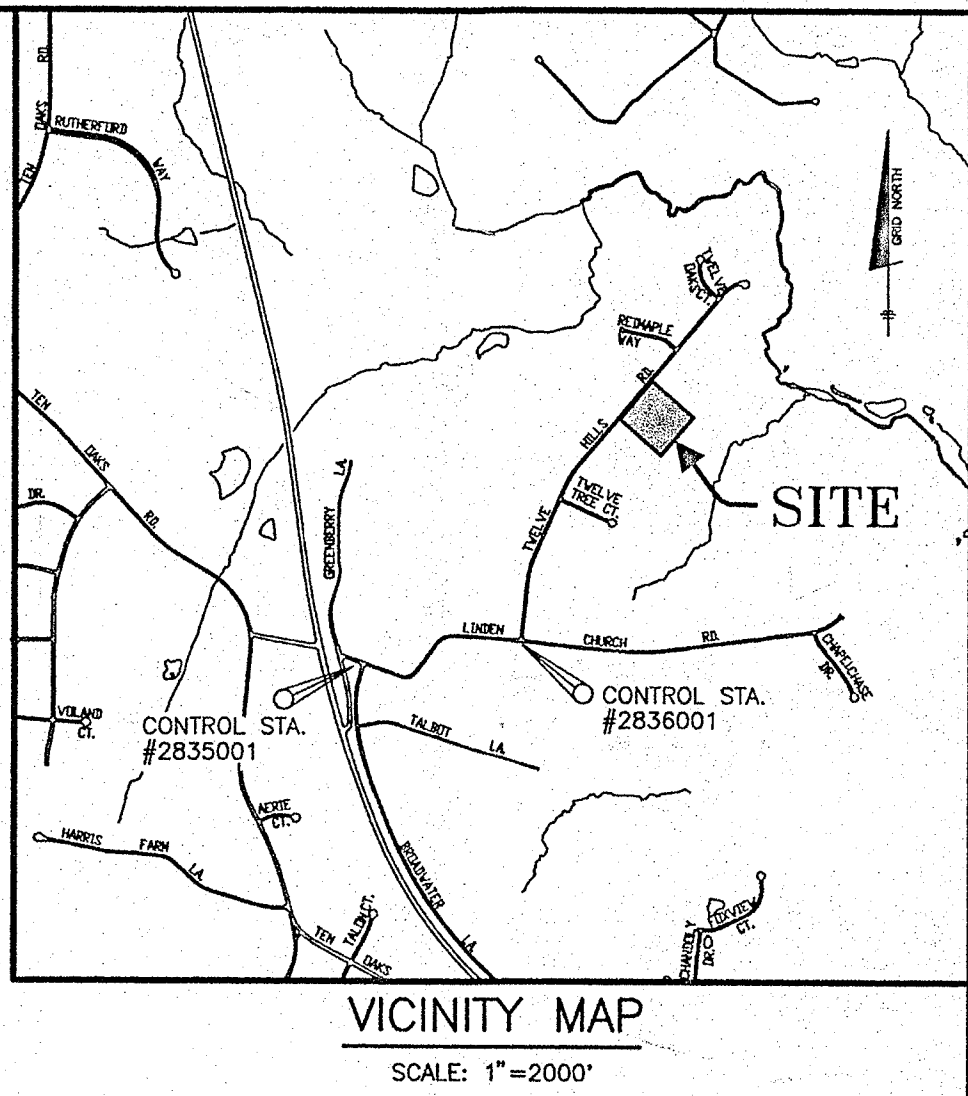
SANITARIAN Kacie Noman BACKHOE OTHERS

TEST HOLES USED IN SDA AVG. PERC TIME SQ. FT/BR

TRENCH WIDTH INLET DEPTH MAX. BOT DEPTH EFFECTIVE S/W



BENCHMARKS NAD'27 HORIZONTAL			
HO. CO. #2835001	STAMPED BRASS DISK SET ON TOP OF CONCRETE BASE	N 508373.269	E 807789.408
HO. CO. #2836001	STAMPED BRASS DISK SET ON TOP OF CONCRETE BASE	N 508631.187	E 809498.298



LEGEND

SOILS CLASSIFICATION	MIC2
SOILS DELINEATION	450
EXISTING CONTOURS (HOWARD COUNTY DIGITAL)	
EXISTING WOODS LINE	
EXISTING WELL	⊕
EXISTING SEPTIC FIELD	
PROPOSED SEPTIC FIELD	
FAILED PERCOLATION TEST	OP1
PASSED PERCOLATION TEST	● P2
PROPOSED WELL	⊗
1500 S.F. WELL ZONE	
PROPOSED STRUCTURE	
EXISTING STRUCTURE	

PLAN
SCALE: 1" = 50'

ADJOINER INFORMATION					
MAP No.	PARCEL	OWNER	ADDRESS	LIBER/FOLIO	PLAT No. LOT No.
28	381	PATRICK T. McHALE AND DEBRA A. McHALE, T/E	13052 TWELVE HILLS ROAD CLARKSVILLE, MD 21029	3238/493	8548 LOT 27
28	381	SAMIR B. HISHMEH AND MARY WELDON HISHMEH, T/E	13058 TWELVE HILLS ROAD CLARKSVILLE, MD 21029	2015/290	8548 LOT 28
28	381	SETH K. BRONY AND MARGARET A. BRONY	13064 TWELVE HILLS ROAD CLARKSVILLE, MD 21029	2349/661	8548 LOT 29
28	381	DEREK CHIEN AND SHAN K. CHIEN, T/E	13070 TWELVE HILLS ROAD CLARKSVILLE, MD 21029	4818/001	8547 LOT 30
28	381	CHARLES WESLEY JOHNSON AND JEAN H. JOHNSON, T/E	13076 TWELVE HILLS ROAD CLARKSVILLE, MD 21029	4068/345	8547 LOT 31
28	381	EDWARD E. GRIMES, JR. AND DONNA E. GRIMES, T/E	13005 RED MAPLE WAY CLARKSVILLE, MD 21029	5277/677	8547 LOT 45
28	381	GLENN M. SILBER AND BOHNE G. SILBER	13067 TWELVE HILLS ROAD CLARKSVILLE, MD 21029	3265/421	8548 LOT 46
28	381	RICHARD A. SPEDDEN AND JANET A. SPEDDEN, T/E	13061 TWELVE HILLS ROAD CLARKSVILLE, MD 21029	2113/488	8548 LOT 47

SOILS LEGEND		
MAP SYMBOL	SOIL GROUP	SOIL TYPE
CgB2	B	CHESTER GRAVELLY SILT LOAM, 3 TO 8 % SLOPES, MODERATELY ERODED
ChB2	B	CHESTER SILT LOAM, 3 TO 8 % SLOPES, MODERATELY ERODED
ChC2	B	CHESTER SILT LOAM, 8 TO 15 % SLOPES, MODERATELY ERODED
GIB2	B	GLENELG LOAM, 3 TO 8 % SLOPES, MODERATELY ERODED
GID2	B	GLENELG LOAM, 8 TO 15 % SLOPES, MODERATELY ERODED
MgB2	B	MANOR GRAVELLY LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED
MgC3	B	MANOR GRAVELLY LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED
MIC2	B	MANOR LOAM, 8 TO 15 PERCENT SLOPES, SEVERELY ERODED
* INDICATES HYDRO SOILS		
TAKEN FROM SOILS SURVEY, ISSUED JULY 1968, MAP NO. 18		

GENERAL NOTES

- THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
- THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF 10,000 S.F. AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWER IS AVAILABLE. THIS EASEMENT SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWERAGE EASEMENT. RECORDATION OF A MODIFIED SEWERAGE EASEMENT PLAT SHALL NOT BE REQUIRED.
- UNLESS OTHERWISE SHOWN NO WELLS OR SEWERAGE EASEMENTS ARE LOCATED WITHIN 100 FEET OF THE PROPERTY.
- EXACT LENGTH OF SEPTIC TRENCHES IS TO BE DETERMINED BY THE HEALTH DEPARTMENT AT THE TIME OF PERMIT ISSUANCE.
- TOPOGRAPHY SHOWN HEREON WAS PURCHASED FROM HOWARD COUNTY, GEOGRAPHICAL INFORMATION SYSTEMS BY BENCHMARK ENGINEERING, INC.
- SITE IS ZONED RR-DEO.
- EXISTING SEPTIC DRAIN FIELD TO BE UTILIZED BY PROPOSED HOUSE AND EXISTING HOUSE TO UTILIZE NEW SEPTIC EASEMENT AREA LOCATED ON THE WESTERLY CORNER OF LOT 51.
- A SHALLOW SEPTIC SYSTEM TO BE UTILIZED FOR FUTURE 3rd SYSTEM FOR LOT 51.

AS PLAN PREPARER, I HAVE INSPECTED THE SITE. THIS PLAN IS ACCURATELY DRAWN TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF.

PLAN PREPARER: ROBERT SYRONSKY

APPROVED: FOR PRIVATE WATER AND SEWER SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT

COUNTY HEALTH OFFICER: [Signature] DATE: 8/14/03

BENCHMARK ENGINEERS • LAND SURVEYORS • PLANNERS ENGINEERING, INC. 8490 BALTIMORE NATIONAL PIKE & SUITE 418 ELLICOTT CITY, MARYLAND 21043 PHONE: 410-465-6105 FAX: 410-465-6644 E-MAIL: benchmark@cois.com			
OWNER: SAMIR B. HISHMEH AND MARY WELDON HISHMEH, T/E 13058 TWELVE HILLS ROAD CLARKSVILLE, MD 21029-1143		PROJECT: TWELVE HILLS - SECTION THREE RESUBDIVISION OF LOT 28	
LOCATION: TAX MAP 28, GRID 10, PARCEL 381 5th ELECTION DISTRICT HOWARD COUNTY, MARYLAND		TITLE: PERCOLATION CERTIFICATION PLAN	
DATE: AUGUST 12, 2003	PROJECT NO. 1614	SCALE: AS SHOWN	
Design: RPS	Draft: RPS	Check: DAM	DRAWING 1 OF 1

SIGNED COPY Health