

Monday  
3/27/01  
10:00

# APPLICATION

PERCOLATION TESTING

A 514948

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 313-2640

Proposal - to create 6.0 acre  
lot encompassing existing  
farm house  
(no septic records)  
Needs 10 KPA DEC

DISTRICT \_\_\_\_\_

DATE 2/27/2001

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 GRANVILLE O'KEEFE

ADDRESS 6950 HAVILAND MILL RD. PHONE 301-854-3854

AGENT OR PROSPECTIVE BUYER \_\_\_\_\_

ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

PROPERTY LOCATION:

SUBDIVISION O'KEEFE PROP. LOT NO. PROP. LOT 1

ROAD AND DESCRIPTION HAVILAND MILL RD @ MONTGOMERY COUNTY LINE

TAX MAP 39 PARCEL # 1

SIZE OF LOT 6.0 AC TYPE BLDG. SINGLE FARM (EXISTING)  
(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] SHIMBERGER & LAWE  
(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 \_\_\_\_\_

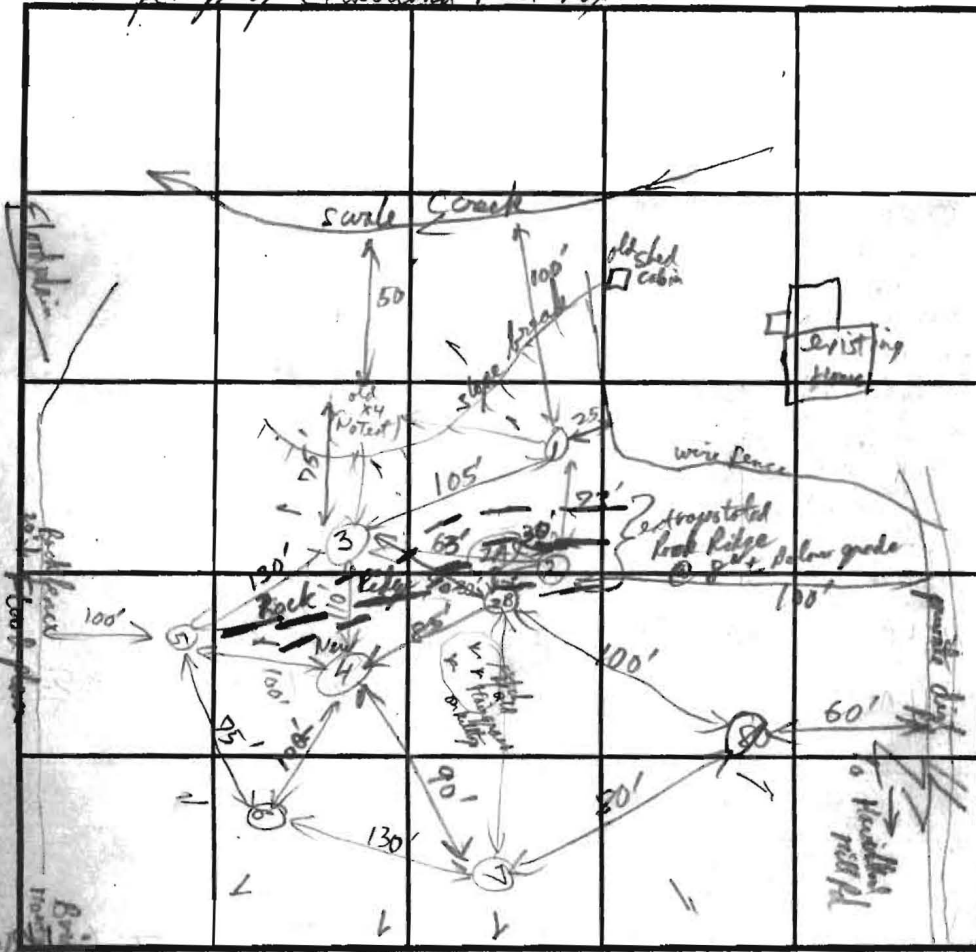
# THIS IS NOT A PERMIT

SOIL PROFILE

0' 2  
5' dark brown  
str. Brn L (2SP 50%)  
2' Red CL (22.5-MSLK) msi (3antidip/low)  
5 1/2' Red h L-CL (Micacon) massive-1Psbk) spherule  
7' Red Brn L (mica)  
11' Red Brn L (mica) (20%)  
Point of Arch. Mica Schist (Rk-h, Rk-b) Mica schist  
Hard bottom

4  
8' Calc. Brn L  
Red-vel Red  
gritty CL (2m-Psbk) (mPr)  
5 1/2' Red Brn SICL (20% clay) (20% clay) (20% clay)  
7-8' Red Brn L  
Mica Schist  
Hard bottom

3  
10' Str. Brn L  
str. Brn-vel Brn  
1Psbk, hL-SiCL  
1Psbk  
18' Arch. Fragg. Mica Schist  
32' Red Lora (Chiccon)  
6' Red Brn-vel  
Mica L-hL  
massive spherule  
9 1/2' Mica Schist  
Mica Lora  
spherule  
11' 20% small flappy  
str spherule (Mica)  
12 1/2'



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	
3/12/01	2	11' 5"	10:58:00	11:31	11:41	12:00	19 min
	2A	8'					Too Slow
	2B	11 1/2'					Too Slow
	4	12 1/2'	11:04	11:46			Fail
		7'	12:19	12:30	12:30	12:50	20 min
	3	12 1/2'	11:35	11:41	11:41	12:00	19 min
	1	12 1/2'	11:54	12:14			Too Slow
	5	5 ft					
	6						

REMARKS: Arch. Mica Schist - area was flooded during rains but is 25-30' above site on a hilltop (archaic Tobacco) Now a rolling hilltop slope 2-3% (4ft above lowland)

TYPE OF SOIL: Elmber  
 TESTED BY: R. P. Kelly ALSO PRESENT \_\_\_\_\_  
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME \_\_\_\_\_ TRENCH WIDTH \_\_\_\_\_  
 INLET DEPTH \_\_\_\_\_ MAXIMUM BOTTOM DEPTH \_\_\_\_\_ SQ. FT./BEDROOM \_\_\_\_\_





10/7/2002  
9:00

# APPLICATION

PERCOLATION TESTING

A 517923

P \_\_\_\_\_

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

DISTRICT \_\_\_\_\_

DATE 9/19/2002

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 Donald G O'Keefe

ADDRESS 6950 Haviland Mill Road PHONE 301 854-0801

AGENT OR PROSPECTIVE BUYER Tenant will be Scott M. O'Keefe (son of owner)

ADDRESS 5399 Harvest Moon Lane Columbia, MD PHONE 410 884-6091

Agent: Dave Swann Builder 410-442-5937 cell 443-324-7025  
PROPERTY LOCATION:

SUBDIVISION \_\_\_\_\_ LOT NO. \_\_\_\_\_

ROAD AND DESCRIPTION 6950 Haviland Mill Rd

TAX MAP 39 PARCEL # 1

SIZE OF LOT 122 acres TYPE BLDG. Single Family (tenant) 4BR  
(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.

Scott M. O'Keefe  
(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 \_\_\_\_\_

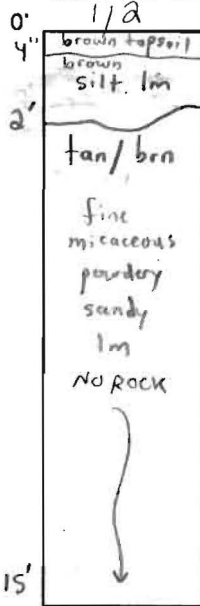
# THIS IS NOT A PERMIT

517923

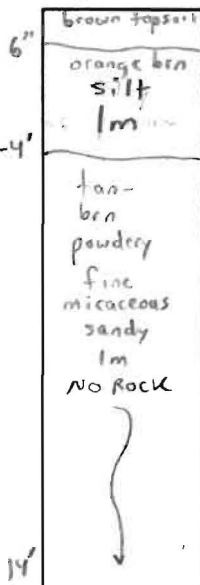
NOT TO SCALE

COUNTY #

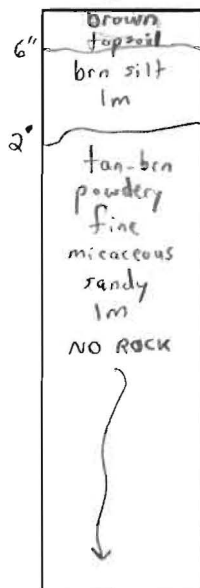
SOIL PROFILE 1/a



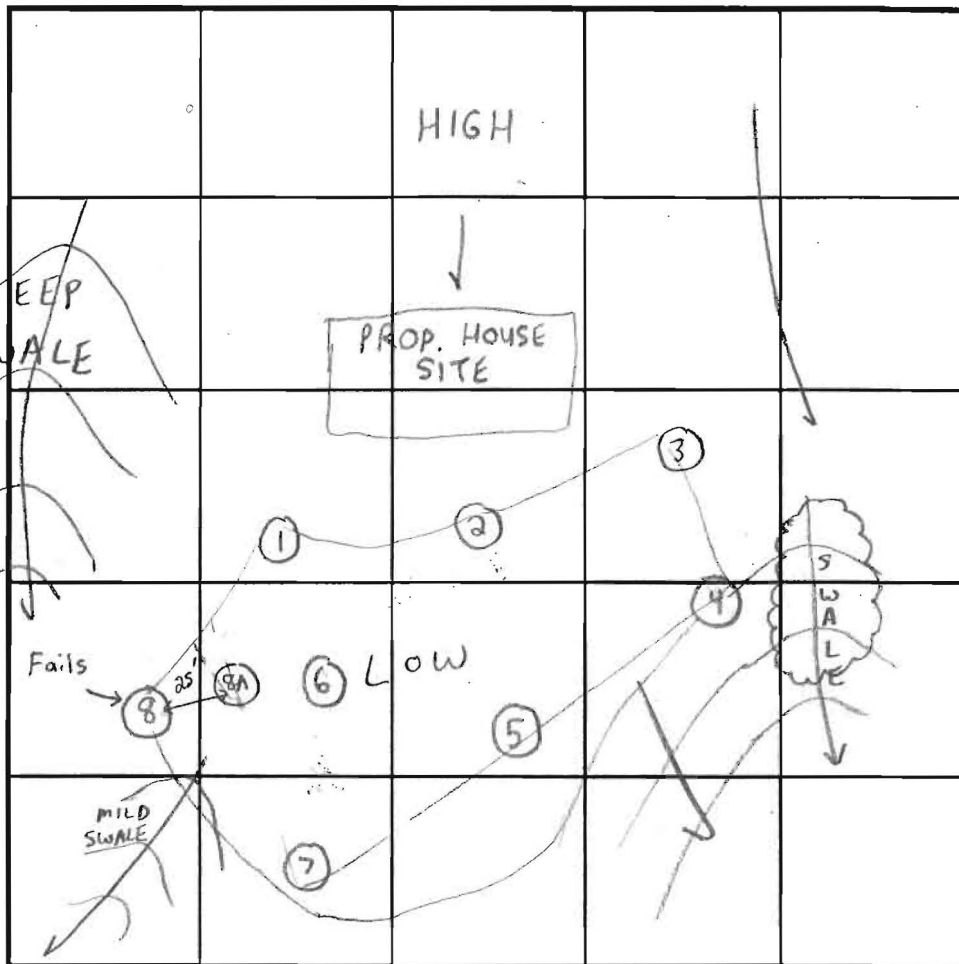
3/4



5

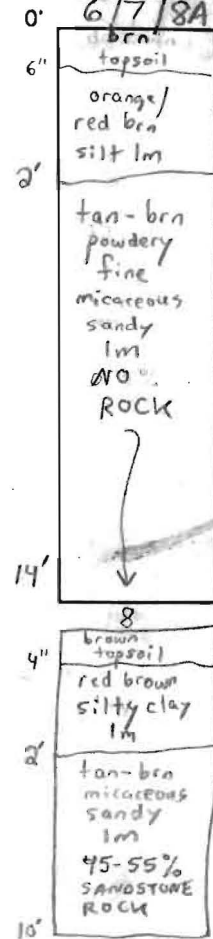


15'



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE 6/7/8A



DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME		
			START	STOP	START	STOP			
10/7/02	1	3'6" T / 15' V	12:15pm	12:17pm	12:17pm	12:19pm	2min	OK	
	2	3'6" T / 15' V	12:01pm	12:04pm	12:04pm	12:07pm	3min	OK	
	3	6' T / 15'6" V	11:38am	11:40am	11:40am	11:42am	2min	OK	
	4	4'6" T / 14' V	11:14am	11:26am	11:26am	11:28am	2min	OK	
	5	3' T / 15' V	10:59am	11:01am	11:01am	11:03am	2min	OK	
	6	3'6" T / 14' V	10:45am	10:48am	10:48am	10:51am	3min	OK	
	7	4' T / 14' V	10:29am	10:31am	10:31am	10:33am	2min	OK	
	8	10' V	(45-55% Hole)	Rock abandoned	Encountered to find better ground		NA	Fails	
	8A	15' V	(VISUAL OK SEE SOIL PROFILE)					NA	OK

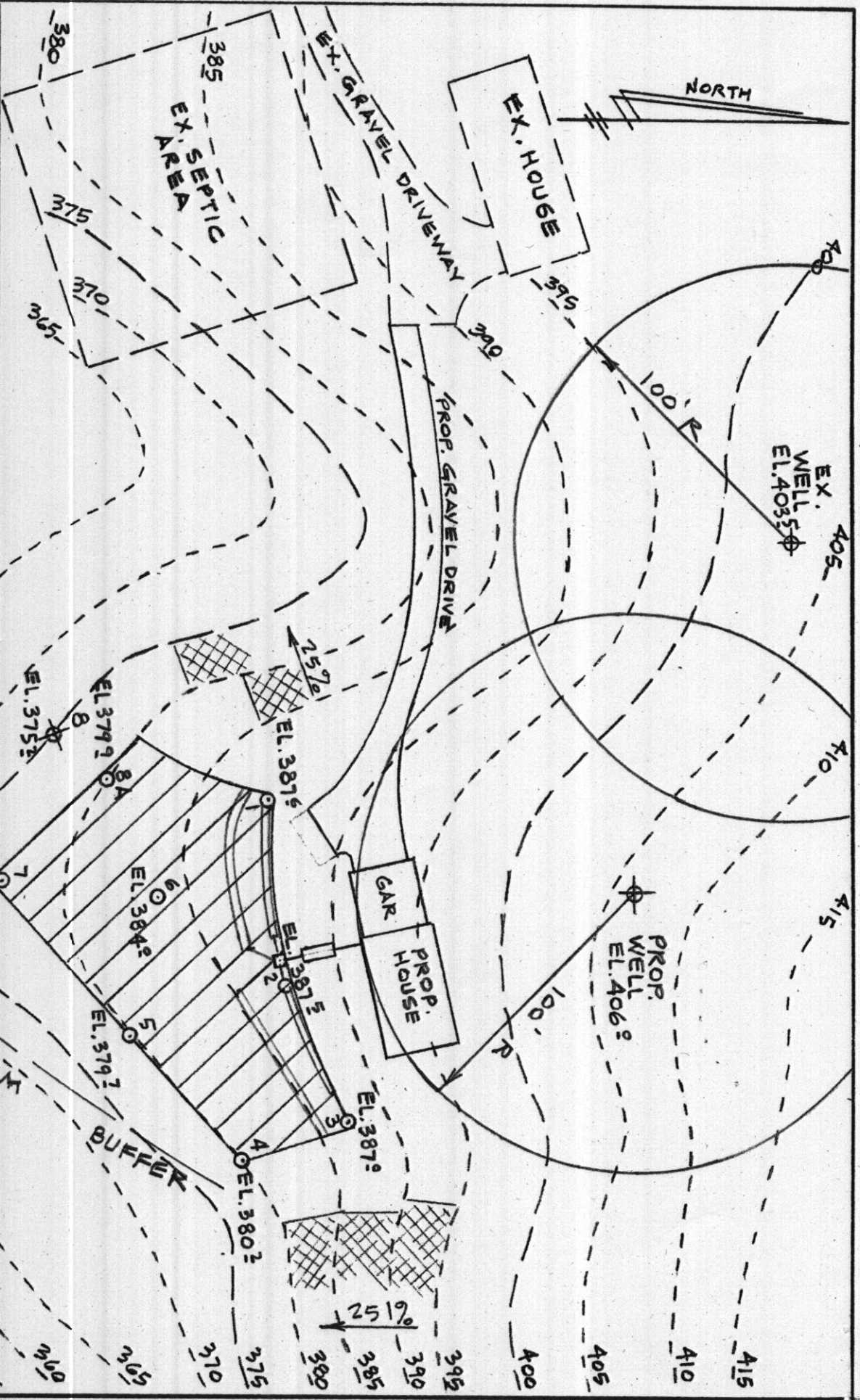
REMARKS

TYPE OF SOIL

TESTED BY SRK Robert Fyock = Backhoe John Spain = Posthole ALSO PRESENT David Swann Scott O'Keefe

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 2min TRENCH WIDTH 3

INLET DEPTH 3 BOTTOM DEPTH 5 SQ FT/BEDROOM 180



This area designates a private sewage easement of at least 10,000 sq. ft. as required by the Maryland State Department of the Environment for individual sewage disposal. Improvements of any nature in this area are restricted until public sewerage is available and servicing any residential structures constructed on this building site. This easement shall become null and void upon connection to a public sewage system. The County Health Officer shall have the authority to grant adjustments to the private sewage disposal area. Recordation of a modified sewage easement shall not be necessary.

All percolation test holes have been field located and shown as  $\odot$

Percolation test holes shown as  $\otimes$  indicate failed test holes.

All wells and septic systems within 100' of property lines have been shown.

Topography shown in the vicinity of the proposed septic easement reflects field run elevations.

The lot shown hereon complies with the minimum ownership width and lot area as required by the Maryland State Department of the Environment.

APPROVED: For private water and private sewer  
 HOWARD COUNTY HEALTH DEPARTMENT  
*Howard County Health Officer* 12-5-02  
 HOWARD COUNTY HEALTH OFFICER SKRYDATE

SEPTIC DATA

HOUSE F.F.	347.6	NOTE:	TOPOGRAPHY SHOWN
" BSM'T	389.9		HEREON TAKEN
" SEWER INV.	385.2		FROM HO. CO.
SEPTIC INV. IN	385.2		200 SCALE
TANK INV. OUT	384.1		AERIAL
" FIN. GR.	388.2		PHOTOGRAMMETRY.
DISTR. INV. IN	384.5		
BOX FIN. GR.	387.5		

NOTE: TRENCH LENGTH TO BE DETERMINED AT TIME OF SEPTIC PERMIT ISSUANCE.

ENGINEER  
 JOHN L. SCHNEIDER, P.E.  
 100 N. ROLLING RD.  
 CATONSVILLE, MD. 21228  
 410-744-1945



OWNER  
 SCOTT O'KEEFE, ET. AL.  
 5399 HARVEST MOON LANE  
 COLUMBIA, MD. 21044  
 PHONE: 410-884-6091

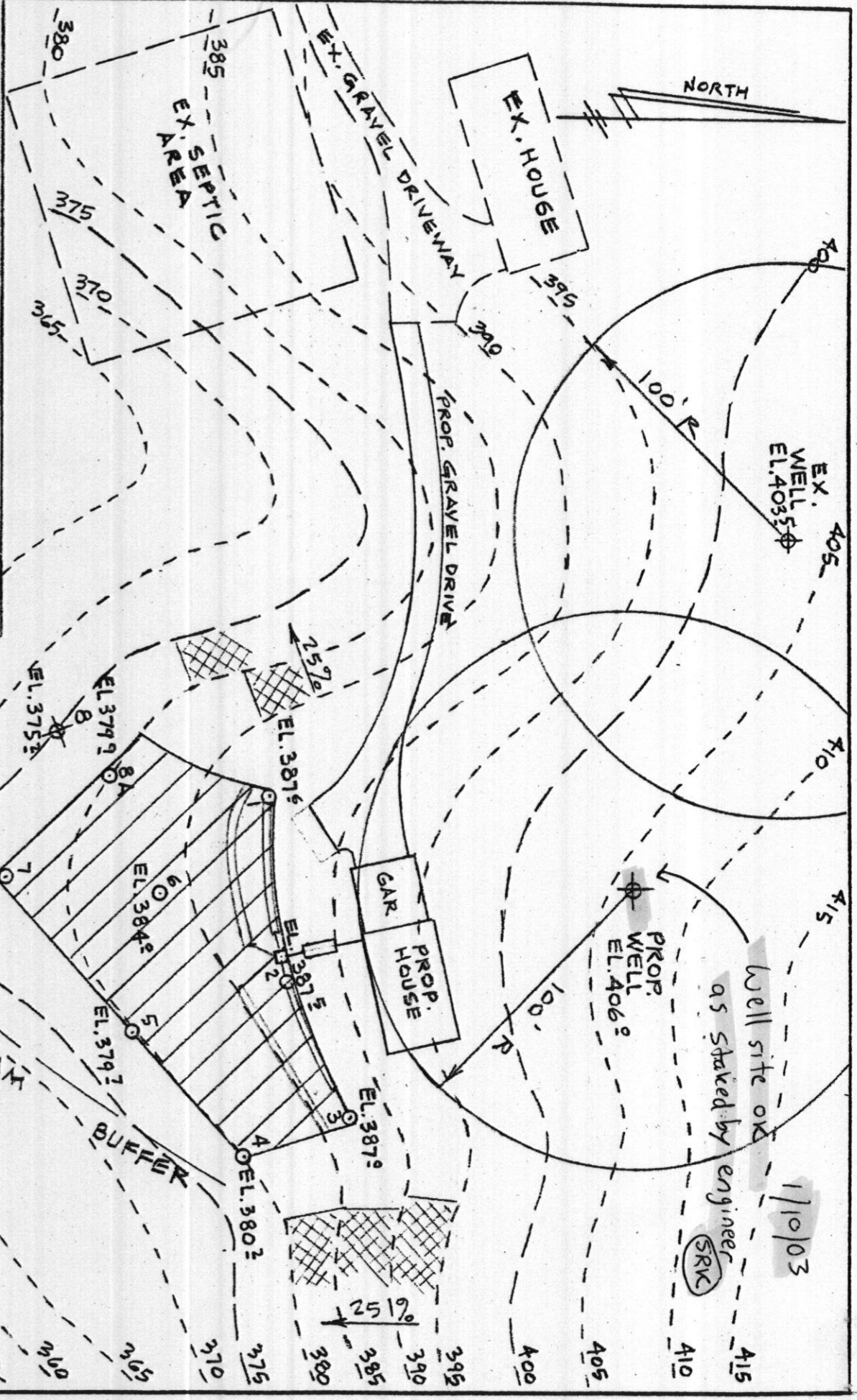
**PERCOLATION CERTIFICATION PLAT**  
 AND BUILDING PERMIT PLOT PLAN

SCALE: 1" = 50'  
 DATE: 10-21-02  
 REVISED 12-4-02 PER HEALTH DEPT. COMMENTS

DRAWN BY TGH  
 REVISED "

OKEEFE FARM - 6950 HAYLAND MILL ROAD  
 LIBER 1748-FOLIO 438-TM.39. GRID C. PARCELL 1  
 5TH ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND

DRAWING NUMBER  
 217



This area designates a private sewage easement of at least 10,000 sq. ft. as required by the Maryland State Department of the Environment for individual sewage disposal. Improvements of any nature in this area are restricted until public sewerage is available and servicing any residential structures constructed on this building site. This easement shall become null and void upon connection to a public sewage system. The County Health Officer shall have the authority to grant adjustments to the private sewage disposal area. Recordation of a modified sewage easement shall not be necessary.

All percolation test holes have been field located and shown as ⊙

Percolation test holes shown as ⊗ indicate failed test holes.

All wells and septic systems within 100' of property lines have been shown.

Topography shown in the vicinity of the proposed septic easement reflects field run elevations.

The lot shown hereon complies with the minimum ownership width and lot area as required by the Maryland State Department of the Environment.

APPROVED: For private water and private sewer  
 HOWARD COUNTY HEALTH DEPARTMENT  
*Ernest H. ...* 12-5-02  
 HOWARD COUNTY HEALTH OFFICER SRK DATE

**SEPTIC DATA**

HOUSE F.F.	347' 6"	TOPOGRAPHY SHOWN
" B5M'T	389' 9"	HEREON TAKEN
" SEWER INV.	385' 2"	FROM H.O. CO.
SEPTIC INV. IN	385' 9"	200 SCALE
TANK INV. OUT	384' 1"	AERIAL
" FIN. GR.	388' 2"	PHOTOGRAMMETRY.
DISTR. INV. IN	384' 5"	
BOX FIN. GR.	387' 5"	

NOTE: TRENCH LENGTH TO BE DETERMINED AT TIME OF SEPTIC PERMIT ISSUANCE.

ENGINEER  
 JOHN L. SCHNEIDER, P.E.  
 100 N. ROLLING RD.  
 CATONSVILLE, MD. 21228  
 410-744-1945



NOTE:  
 TOPOGRAPHY SHOWN  
 HEREON TAKEN  
 FROM H.O. CO.  
 200 SCALE  
 AERIAL  
 PHOTOGRAMMETRY.

OWNER  
 SCOTT OKEEFE, ET. AL.  
 5399 HARVEST MOON LANE  
 COLUMBIA, MD. 21044  
 PHONE: 410-884-6091

HEALTH DEPT. REF. # 517923

**PERCOLATION CERTIFICATION PLAT**  
 AND BUILDING PERMIT PLOT PLAN

SCALE: 1" = 50'

DATE: 10-21-02

REVISED 12-4-02 PER HEALTH DEPT. COMMENTS

DRAWN BY TGH

REVISED "

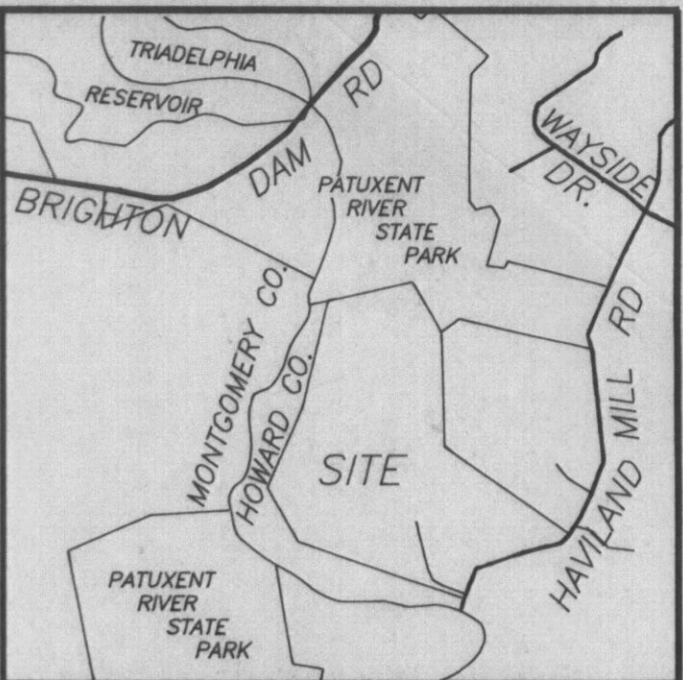
OKEEFE FARM - 6950 HAYLAND MILL ROAD  
 LIBER 1748. FOLIO 438. TM. 39. GRID C. PARCEL 1  
 5th ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND

DRAWING NUMBER  
 217

Well site OK  
 as staked by engineer  
 (SRK)  
 1/10/03

NOTES:

1. THE TOPOGRAPHY SHOWN HEREON WAS TAKEN FROM HOWARD COUNTY 1"=200' AERIAL PHOTOGRAMMETRY.
2. B.R.L. DESIGNATES BUILDING RESTRICTION LINE  
 ..... DESIGNATES LIMITS OF SOIL TEST  
 ⊕ DESIGNATES PASSING PERC TEST  
 ⊖ DESIGNATES FAILING PERC TEST
3. THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWAGE IS AVAILABLE. THIS EASEMENT SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES FOR ENCROACHMENTS INTO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY. THERE IS A 10,000 S.F. MINIMUM RESTRICTION ON THE SEWAGE EASEMENT.
4. THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
5. THE SUBJECT PROPERTY IS ZONED: R
6. AT THE PRESENT TIME THE EX. WELL ON PROPOSED LOT 1 DOES NOT MEET CURRENT YIELD REQUIREMENTS PER COMAR 26-04-03. PRIOR TO THE SUBMISSION OF A FINAL PLAT FOR SIGNATURE THE APPLICANT WILL NEED TO PROVIDE POTABLE WATER SUPPLY MEETING SUBDIVISION AND WATER WELL REQUIREMENTS.
7. THE HAND-DUG WELL ON PROPOSED LOT 1 MUST BE ABANDONED AND SEALED PRIOR TO FINAL PLAT APPROVAL.

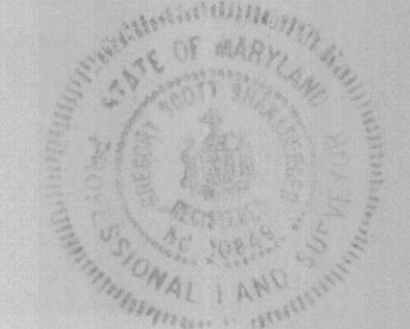


VICINITY MAP  
SCALE: 1"=2000'



APPROVED: FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS. HOWARD COUNTY HEALTH DEPT.  
*Dino M... 9/30/01*  
 COUNTY HEALTH OFFICER

*G. Scott Shanaberger 9/28/01*  
 G. SCOTT SHANABERGER DATE  
 PROFESSIONAL LAND SURVEYOR #10849



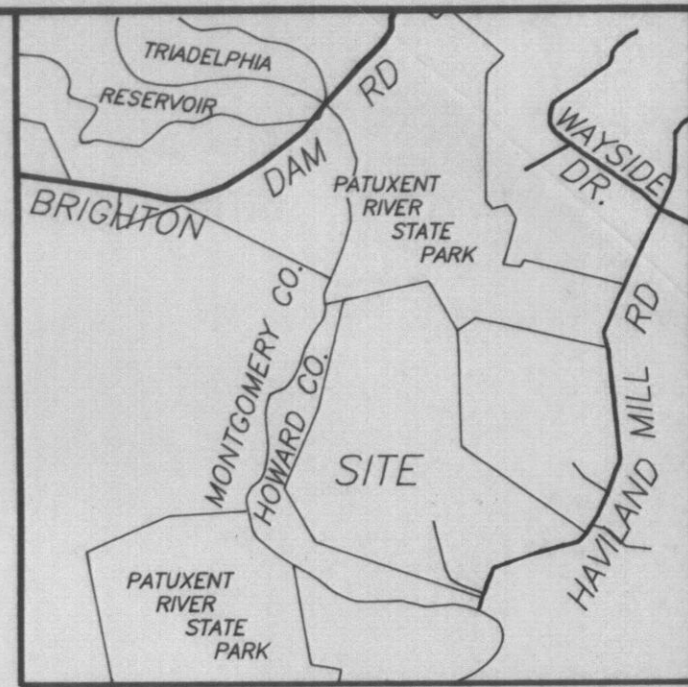
SHANABERGER & LANE  
 8726 TOWN & COUNTRY BLVD.  
 SUITE 201  
 ELLICOTT CITY, MD. 21043  
 PHONE: 410-461-9563  
 FAX: 410-461-9693

PERC CERTIFICATION  
 I CERTIFY THAT THE LOCATIONS SHOWN ⊕ & ⊖ HEREON ARE BASED ON FIELD-LOCATIONS DONE UNDER MY DIRECT SUPERVISION, AND ARE CORRECT TO THE BEST OF MY PROFESSIONAL KNOWLEDGE AND BELIEF.  
*G. Scott Shanaberger 9/28/01*  
 G. SCOTT SHANABERGER DATE

FIELD-LOCATED PERC TEST PLAT  
 LOT 1  
 O'KEEFE PROPERTY  
 L.1748/F.438  
 TAX MAP 39 GRID 6 PARCEL 1  
 5TH ELECTION DISTRICT HOWARD CO.,MD.  
 SCALE: 1"=100' FEBRUARY 28, 2001  
 REV. 4/24/01

NOTES:

1. THE TOPOGRAPHY SHOWN HEREON WAS TAKEN FROM HOWARD COUNTY 1"=200' AERIAL PHOTOGRAMMETRY.
2. B.R.L. DESIGNATES BUILDING RESTRICTION LINE  
 ..... DESIGNATES LIMITS OF SOIL TYPE  
 ⊕ DESIGNATES PASSING PERC TEST  
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5. THE SUBJECT PROPERTY IS ZONED: R
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7. THE HAND-DUG WELL ON PROPOSED LOT 1 MUST BE ABANDONED AND SEALED PRIOR TO FINAL PLAT APPROVAL.



VICINITY MAP  
SCALE: 1"=2000'



APPROVED: FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS: HOWARD COUNTY HEALTH DEPT.  
*Dore M. [Signature]* 4/20/01  
 COUNTY HEALTH OFFICER DATE

*G. Scott Shanaberger* 4/20/01  
 G. SCOTT SHANABERGER DATE  
 PROFESSIONAL LAND SURVEYOR #10849



PERC CERTIFICATION  
 I CERTIFY THAT THE LOCATIONS SHOWN ⊕ ⊖ HEREON ARE BASED ON FIELD-LOCATIONS DONE UNDER MY DIRECT SUPERVISION, AND ARE CORRECT TO THE BEST OF MY PROFESSIONAL KNOWLEDGE AND BELIEF.

*G. Scott Shanaberger* 4/20/01  
 G. SCOTT SHANABERGER DATE

SHANABERGER & LANE  
 8726 TOWN & COUNTRY BLVD.  
 SUITE 201  
 ELLICOTT CITY, MD. 21043  
 PHONE: 410-461-9563  
 FAX: 410-461-9693

FIELD-LOCATED PERC TEST PLAT  
 LOT 1  
 O'KEEFE PROPERTY  
 L.1748/F.438  
 TAX MAP 39 GRID 6 PARCEL 1  
 5TH ELECTION DISTRICT HOWARD CO.,MD.  
 SCALE: 1"=100' FEBRUARY 28, 2001  
 REV. 4/22/01