



# APPLICATION

## FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) 1/11/05 TEST TIME 8:30-9:00 am AP 521637

AGENCY REVIEW: \_\_\_\_\_ DATE 1/04/05

DO NOT WRITE ABOVE THIS LINE

I HEREBY APPLY FOR THE NECESSARY TESTING/EVALUATION PRIOR TO ISSUANCE OF SEWAGE DISPOSAL SYSTEM PERMIT(S) TO:

CHECK AS NEEDED:

- CONSTRUCT NEW SEPTIC SYSTEM(S)
- REPAIR/ADD TO AN EXISTING SEPTIC SYSTEM
- REPLACE AN EXISTING SEPTIC SYSTEM

CHECK AS NEEDED:

- NEW STRUCTURE(S)
- ADDITION TO AN EXISTING STRUCTURE
- REPLACE AN EXISTING STRUCTURE

CHECK ONE:

- CREATE NEW LOT(S)
- BUILD ON AN EXISTING LOT IN A SUBDIVISION
- BUILD ON AN EXISTING PARCEL OF RECORD

IS THE PROPERTY WITHIN 2500' OF ANY RESERVOIR?

- YES
- NO

THE TYPE OF STRUCTURE IS:

- RESIDENTIAL WITH \_\_\_\_\_ PROPOSED BEDROOMS IN THE COMPLETED STRUCTURE (NOTE **UNKNOWN** IF APPROPRIATE)
- COMMERCIAL (PROVIDE DETAIL OF NUMBERS AND TYPES OF EMPLOYEES/ CUSTOMERS ON ACCOMPANYING PLAN)
- INSTITUTIONAL/GOVERNMENT (PROVIDE DETAIL OF NUMBERS AND TYPES OF EMPLOYEES/USERS ON ACCOMPANYING PLAN)

PROPERTY OWNER(S) Tom Moran

DAYTIME PHONE 240-876-7031 CELL 240-876-7031 FAX \_\_\_\_\_

MAILING ADDRESS 11501 Moran Stoe Loe Columbia MD 21044  
STREET CITY/TOWN STATE ZIP

APPLICANT Gary Phillips

DAYTIME PHONE 410-977-0864 CELL 410-977-0864 FAX 410-537-8660

MAILING ADDRESS 14059 Highwd Road Clarks with rd 21029  
STREET CITY/TOWN STATE ZIP

APPLICANT'S ROLE: DEVELOPER BUILDER BUYER RELATIVE/FRIEND REALTOR CONSULTANT

PROPERTY LOCATION SUBDIVISION/PROPERTY NAME The Chase LOT NO. 15

PROPERTY ADDRESS Lot 15, 11637 Masters Run  
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 29 GRID \_\_\_\_\_ PARCEL(S) 24 PROPOSED LOT SIZE 2.8699

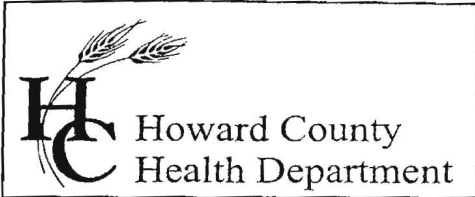
AS APPLICANT, I UNDERSTAND THE FOLLOWING: THE SYSTEM INSTALLED SUBSEQUENT TO THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS APPLICATION IS COMPLETE WHEN ALL APPLICABLE FEES AND A SUITABLE SITE PLAN HAVE BEEN RECEIVED. I ACCEPT THE RESPONSIBILITY FOR COMPLIANCE WITH ALL M.O.S.H.A. AND "MISS UTILITY" REQUIREMENTS. APPROVAL IS BASED UPON SATISFACTORY REVIEW OF A PERC CERTIFICATION PLAN.

TEST RESULTS WILL BE MAILED TO APPLICANT.

SIGNATURE OF APPLICANT

HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM  
3525-H ELLICOTT MILLS DRIVE, ELLICOTT CITY, MARYLAND 21043-4544 (410) 313-1771 FAX (410) 313-2648  
TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH





7178 Columbia Gateway Drive, Columbia, MD 21046  
(410) 313-2640 Fax (410) 313-2648  
TDD (410) 313-2323 Toll Free 1-866-313-6300  
website: www.hchealth.org

Penny E. Borenstein, M.D., M.P.H., Health Officer

January 13, 2005

Mr. Greg Phillips  
14059 Highland Rd.  
Clarksville MD, 21029

RE: PERCOLATION TEST RESULTS-A521637  
Tax Map 29, Parcel 24  
Lot 15, 11637 Masters Run Rd.

Dear Mr. Phillips:

Percolation testing conducted January 11, 2005 on the referenced property indicated satisfactory soil conditions for relocation of the Sewage disposal area. Copies of the test results are enclosed.

Further review is contingent upon submission by a registered engineer/surveyor of a percolation certification plan showing the following:

- 1) Actual locations and elevations of all excavated test holes (AA and BB)
- 2) A suitable house and well site for each lot
- 3) Two replacement well sites or approximately 1500 square feet of approvable well area for each lot
- 4) All existing wells and septic reserve areas on the property
- 5) Locations of any other relevant features such as streams, swales, or existing structures
- 6) A note must be included certifying that all existing wells and septic systems within 100 feet of property boundaries have been shown
- 7) A note indicating that depicted topography reflects field-matched information
- 8) A health officer signature block stating "approved for private water and private sewerage systems"
- 9) A MDE sewage disposal area statement is required
- 10) Show Sewage disposal area abandoned, area added and original area on plan.

The revised percolation certification plat/ Building permit plan should be submitted within 60 days to allow field verification if necessary. If you have any questions regarding this matter, please contact me at the above address or by calling (410) 313-1771.

Respectfully,

Peter A. Yencsik  
Development Coordination Section  
Well and Septic Program

PY

Enclosures

cc: Tom Monan  
Njr and Associates  
File

**MARK E. RIFKIN, R.S.**  
**INDEPENDENT SEPTIC AND WELL CONSULTANT**  
**P.O. Box 21166, Baltimore, MD 21228 410-227-6161**

SepticConsulting@aol.com

August 29, 2004

Thomas Moran  
c/o Greg Phillips  
6310 Stevens Forest Road  
Columbia, MD 21046

RE: Preliminary Percolation Test Results  
The Chase, Lot 15, Masters Run

Dear Mr. Moran:

Preliminary percolation testing conducted August 27, 2004 on the referenced property indicated limited satisfactory soil conditions. The primary limiting factors are extremely sandy soils and moderately-shallow bedrock. Testing was conducted to evaluate the potential for approval of a proposal to adjust the platted sewage easement to the rear to accommodate the desired house location/layout. Copies of the test results will follow via standard mail.

The soils are sufficiently satisfactory to support moving forward with an official proposal to the Howard County Health Department for official testing. Submission of such a proposal should include a site plan showing the following:

- 1) actual locations of all excavated test holes, identified as preliminary and passed
- 2) the existing platted sewage easement and existing well
- 3) proposed sewage reserve area based on the passed preliminary holes
- 4) proposed official test holes five to ten feet from each of the passed preliminary holes
- 5) soils map information, topography and shading of slopes in excess of 25%
- 6) proposed house site with driveway layout and known grading
- 7) statement that all adjacent wells and septic systems have been shown.

The site plan should also be accompanied by a copy of this letter and the forthcoming test results. If you have any questions, please contact me according to the above information.

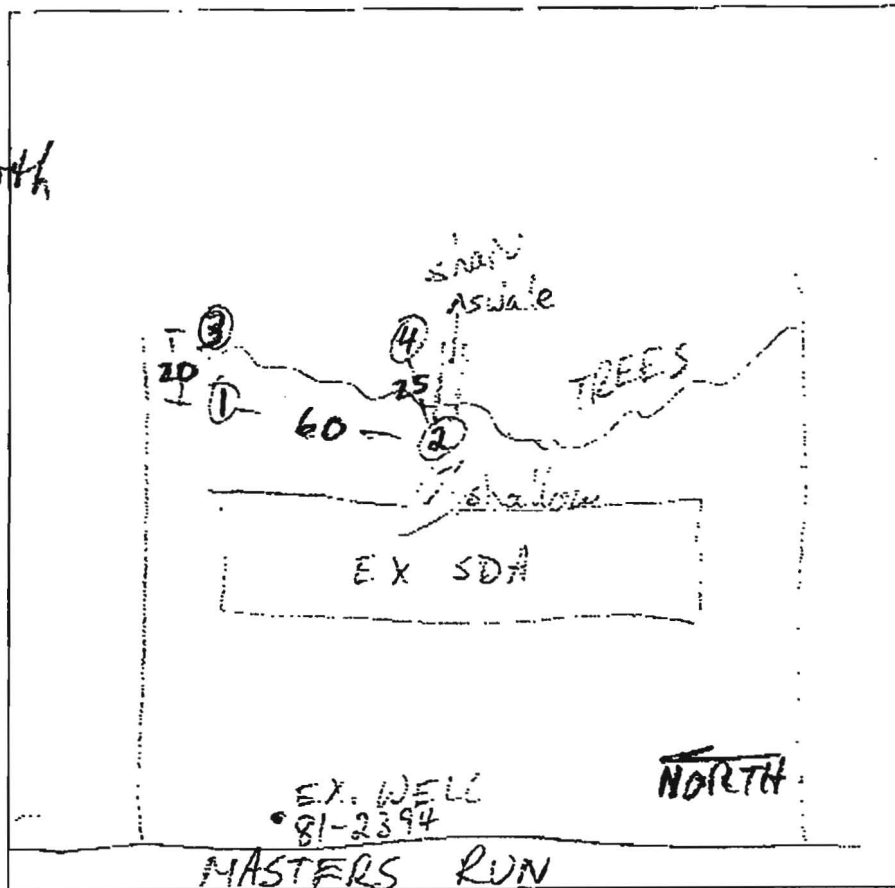
Sincerely,

Mark E. Rifkin, R.S.

AP  
 2  
 SOUTH  
 5  
 brn tan beige  
 sand  
 5-10% frags  
 14' 0"

①  
 2-4  
 brn  
 tan white  
 beige  
 sand  
 5-15% frags  
 14' 0"

③ ④  
 2-3  
 brn tan  
 beige  
 sand  
 10% frags  
 8' 1/2  
 sand lot  
 compacted  
 sand  
 15% frags  
 11' 1/2



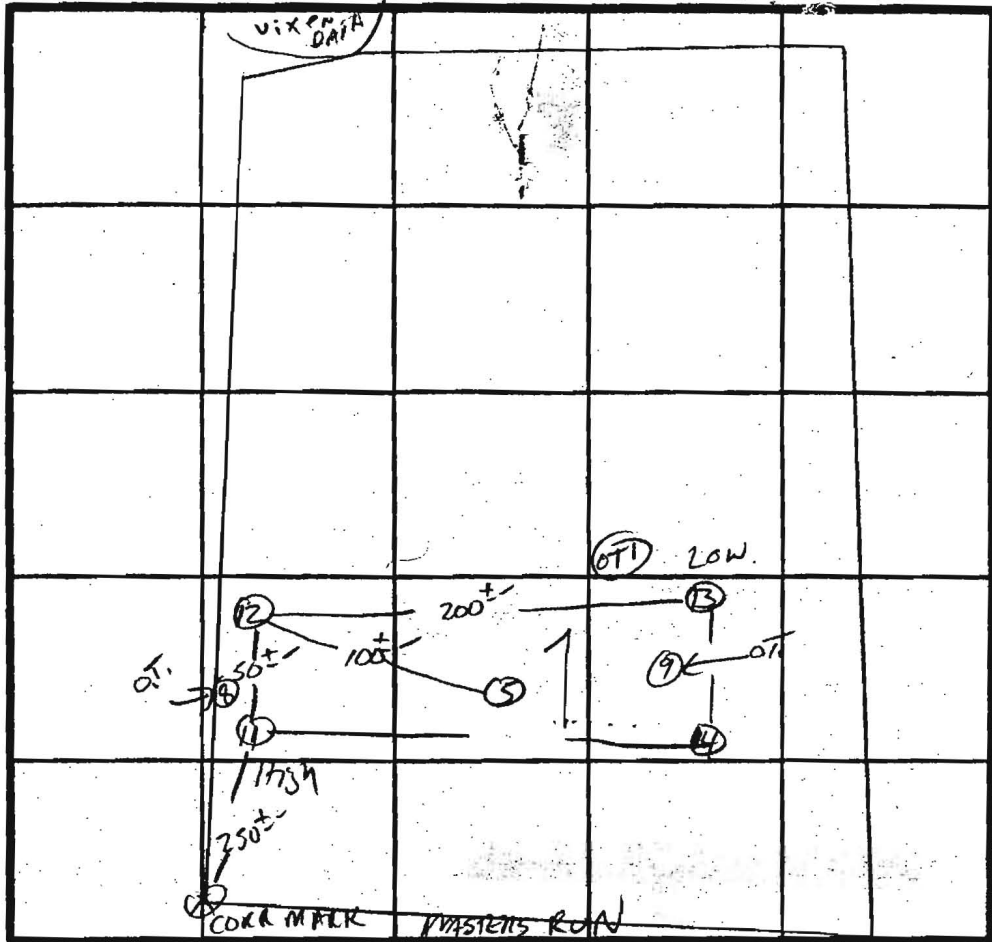
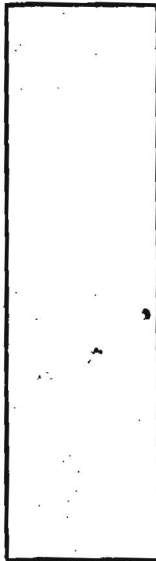
DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2nd INCH	P/F/H
8/27/04	2 N V	4 1/2 14' 9"	9:28	9:30	9:34	4	P
	1 M V	53 14 1/2	9:34 9:41:10	9:39:50 9:42:30	9:45:40 9:44:00	50 sec 1 1/2 min	P
	3 M V	7 11 1/2	10:47 HARD	10:53 BOT	10:58	5 min	P
	4 V	11 1/2					P

RE COMMEND  
 NO DOWNHILL ADJUSTMENT BEYOND HOLES ①-④

REMARKS ADJUSTMENT REM'D AWAY FROM SHARP SWALE AS SHOWN  
 SANITARIAN M. Rifkin BACKHOE McField OTHERS Greg Phillips, owner  
 TEST HOLES USED IN SDA ①-④ OK AVG. PERC TIME SQ. FT/BR  
 TRENCH WIDTH INLET DEPTH MAX. BOT DEPTH EFFECTIVE SAW

11

SOIL PROFILE



OTI = old TEST

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
7/9/86	10 S	4" 14"	11:30	11:31	11:31	11:34	3 min ✓
			uniform soil below		4"		
3/2/87	11 S	4"	11:27	11:28	11:28	11:31	3 min
	11 V	12"	uniform soil below		3"		
	12 S	4"	11:25	11:26	11:26	11:29	3 min
	12 V	13"	uniform soil below		3"		
	13 S	4"	11:32	11:34	11:34	11:38	4 min
	13 V	13"	uniform soil below		3.5"		
	14 S	4"	11:29	11:30	11:30	11:33	3 min
	14 V	12.5"	uniform soil below		3"		
	15 V	12"	uniform soil below		3.5"		

REMARKS Shallow Syst Only

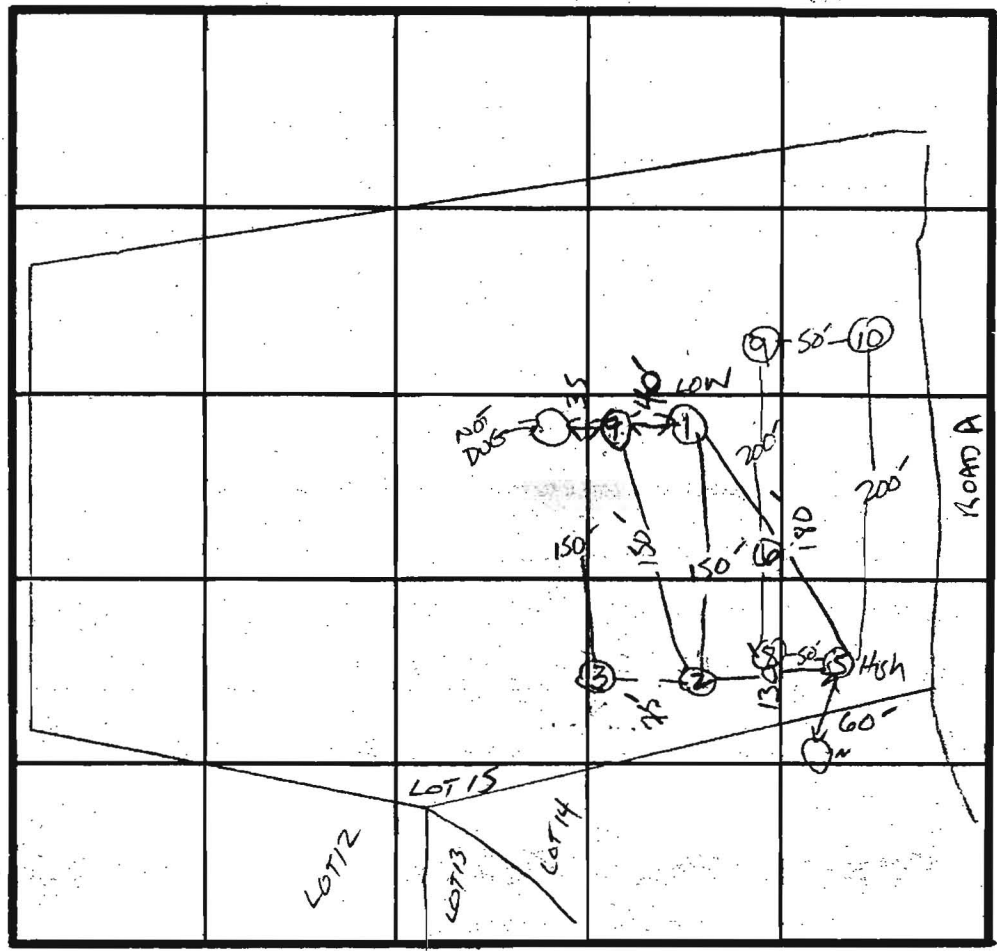
TYPE OF SOIL Blend g / m m m m

S. Abel Useay

EH-12-1079

① ②  
 All Holes ③ ④  
 SOIL PROFILE

4"	A-1-D BROWN GRAVELLY SAND LOAM 90-15% FRAGMENTS
3.5"	BROWN SAND LOAM L10% FRAGMENTS



X PERC  
 6 MIN  
 INLET  
 3.5"  
 BOTTOM  
 5.0"  
 180 φ / BR

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Home Wood Rd.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
9/24/86	5 S	4"	11:32	11:34	11:34	11:39	5 MIN	
	6 V	13"	uniform	below 3.5"				
	2 S	3.5"	11:41	11:42	11:42	11:43	1 min	
	2 M	9"	11:42	11:43	11:43	11:45	2 min	
	2 V	12.5"	same as hole #5					
	3 V	WATER AT 8 FT						
	1 S	3.5"	11:53	NO MOVEMENT				
1 V	13"	ALONG W. SIDE OF HOLE #5 (CLAY)				DEEPER	10 S"	
	7 V	SOLID ROCK AT 10"		ABANDONED				
	5 S	5"	12:01	12:03	12:03	12:06	3 min	
	5 S	5"	12:01	12:03	12:03	12:06	3 min	
7/1/86	8 S	3"	11:59	12:02	12:02	12:12	10 min	
	8 V	13"	uniform soil below 3.5"					
	9 S	3.5"	11:45	11:46	11:46	11:49	3 min	
	9 V	12"	uniform soil below 4"					

REMARKS HOLES DIFF FROM PLAN; SHALLOW SYSTEM ONLY

TYPE OF SOIL MANDY GRADY LOAM

S. Abel

Jeffrey MATY, BOB, WADE

EH-12-1079

10

passed as shown

COPY OF  
FIELD LOCATED  
PERC HOLE

PLAT

12

16

15

passed as shown

14

ROAD A

