



APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____

AP 521512

AGENCY REVIEW: _____

DATE 9/30/04

TAKED #03-284301

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) EDNA MAE COOK

DAYTIME PHONE _____ CELL _____ FAX _____

MAILING ADDRESS 11285 OLD FREDERICK RD MARRIOTTVILLE MD 21044
STREET CITY/TOWN STATE ZI

APPLICANT: ~~SHANABERGER~~ SHANABERGER 4 LANE

DAYTIME PHONE 410 461-9563 CELL _____ FAX 410 461-9693

MAILING ADDRESS 8726 TOWN & COUNTRY ELLICOTT CITY MD 21043
STREET CITY/TOWN STATE ZI

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

PROPERTY LOCATION
SUBDIVISION/PROPERTY NAME MARRIOTTVILLE LOT NO. 4

PROPERTY ADDRESS 11285 OLD FREDERICK RD
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 10 GRID 22 PARCEL(S) 62 PROPOSED LOT SIZE 1.0

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.

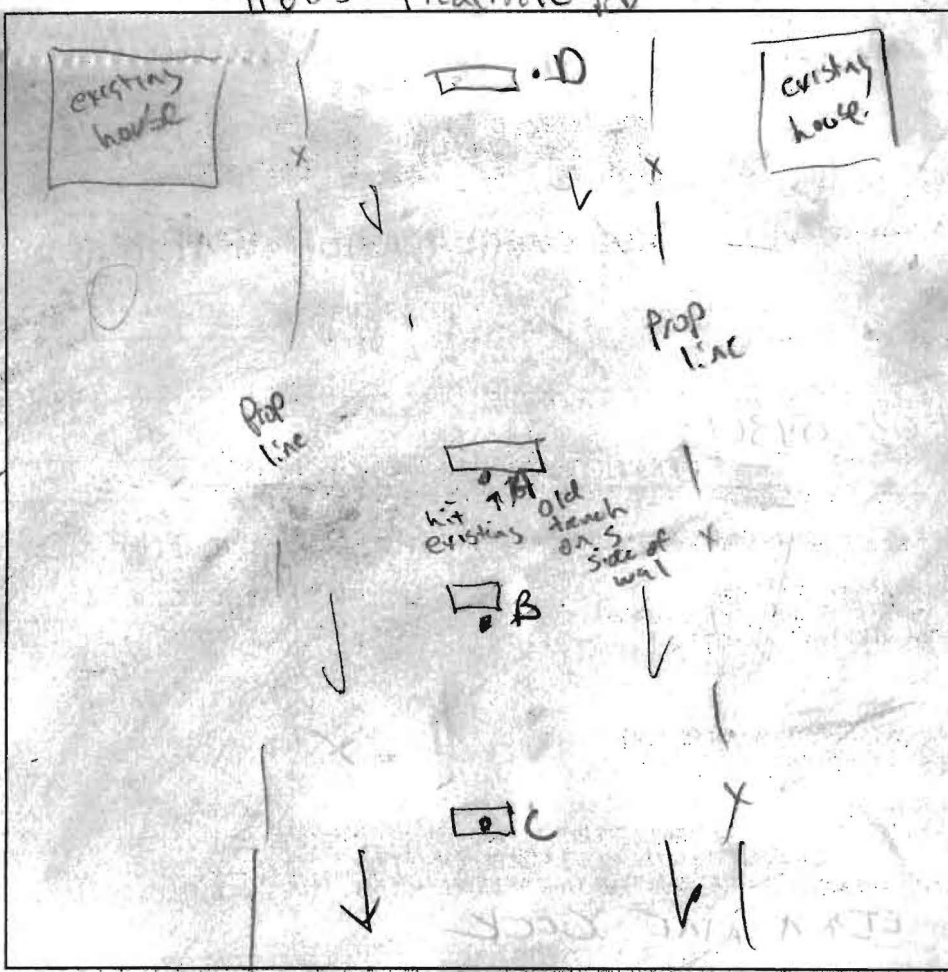
SIGNATURE OF APPLICANT

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

(C) A/P
 red brown
 1 → scl
 red brown
 platy
 scl
 micaceous
 w/ 5-10% clay
 frags.
 red brown
 scl w/ 30% rock
 solid rock

(B)
 brown roots
 red brown
 scl
 micaceous
 platy
 scl
 grey red
 brown
 very micaceous
 10-15% clay frags

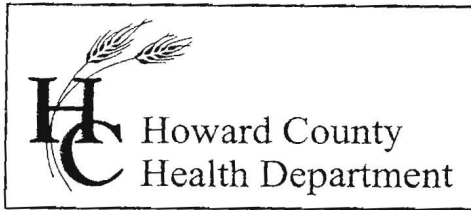
(A)
 brown
 scl
 brown
 scl
 micaceous
 red brown
 micaceous
 cl
 micaceous
 5-10% cobbles & chert frags
 brown, black
 sl,
 10-15% cobbles
 chert frags
 bottom



(D)
 brown
 scl → cl
 micaceous
 brown
 2 1/2 micaceous
 scl
 cl/red brown
 4 1/2 red brown
 micaceous
 scl →
 w/ 25-30%
 quartz
 10 yellow brown
 15/10-15
 siltstone
 12 siltstone frags

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2nd INCH	P/F/H
10/16/04	C	5	9:18	9:27	9:30	13	P
10/17/04	B	3	VISUAL FAIL				
10/18/04	A	9	9:48	10:11	10:36	25	P
10/18/04	D	12	10:21 ³⁰	10:45	to slow / Paused		
2nd hole		12	11:05	11:13	11:28	15	P

REMARKS * holes 1 & 2 > 12% slopes / Pump system up Hill
 SANITARIAN P.H./S.B. BACKHOE Jenkins Bros OTHERS
 TEST HOLES USED IN SDA 2 AVG. PERC TIME SQ. FT/BR
 TRENCH WIDTH 3 INLET DEPTH MAX. BOT DEPTH EFFECTIVE S/W
 4 Bedroom Proposed / well needs abandoned.



3525 H Ellicott Mills Drive, Ellicott City, MD 21043
(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

October 21, 2004

Mrs. Edna Mae Cook
11285 Old Frederick rd.
Marriottsville, MD 21104

RE: PERCOLATION TEST RESULTS-A521512
Tax Map 10, Parcel 62
Cook Property

Dear Mrs. Cook:

Percolation testing conducted October 18, 2004 on the referenced property indicated limited satisfactory soil conditions. The primary limiting factors were shallow depth to bedrock. 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
- 2) A suitable house site
- 3) All existing wells and septic reserve areas on the property
- 4) Locations of any other relevant features such as streams, swales, or existing structures
- 5) A note must be included certifying that all existing wells and septic systems within 100 feet of property boundaries have been shown
- 6) A note indicating that depicted topography reflects field-matched information
- 7) A health officer signature block stating "approved for private water and private sewerage systems"
- 8) A MDE sewage disposal area statement is required
- 9) A note depicting the abandonment schedule of the existing well

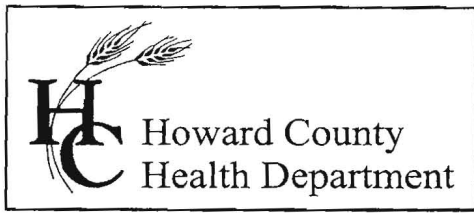
Testing conducted to the rear property line yielded unsatisfactory results due to a shallow depth to bedrock. Testing closer to the road revealed an area of 6,000 sq. ft. Due to the percolation test times, only 2 complete systems can be installed in this limited area. Therefore, to accommodate a 4 bedroom structure, an Innovative and Alternative design that presents a nitrogen reduction must be used on this lot. This type of system is designed to decrease nitrogen and allow for longer system life expectancy. **An approved system design must be accepted by this agency prior to percolation test certification plan approval.** See attached percolation test copy for further detail. An I & A Agreement must be signed and recorded in the land records of Howard County prior to issuance of Use & Occupancy Permit. **The encroachment of the neighboring septic system must also be addressed prior to percolation test certification plan approval.**

The percolation certification plat 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 Yencsik
Development Coordination Section
Well and Septic Program

JB
Enclosure
cc: Shanaberger & Lane
File



3525 H Ellicott Mills Drive, Ellicott City, MD 21043
(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

October 8, 2004

Edna Mae Cook
11285 Old Frederick Road
Marriottsville, Maryland 21104

RE: **Percolation Test Date**

Proposed Use: Establish sewage disposal area to accommodate a single family dwelling
Property ID: Cook Property
Tax Map: 10 Parcel: 62

Dear Mrs. Cook:

Percolation testing has been tentatively scheduled for the above referenced property for **Monday, October 18, 2004, at 9:00 a.m.** Please call this office at (410) 313-1771 to confirm your acceptance of this percolation test date.

The applicant shall be responsible for having a contractor on site to excavate the test holes to a minimum depth of 14' at the corners and middle of the proposed septic area. Please be advised that confirmation of the entire proposed septic reserve area shall be necessary at the time of testing. If unsatisfactory soil conditions are found, it may be necessary to excavate additional test pits.

In the event of uncertain weather (i.e., precipitation or extremes of temperature), please contact this office the day before the test date to determine whether or not percolation testing can be performed on that date. If it is not feasible to perform the test, a new test date shall be assigned at this offices earliest convenience.

Percolation test results may be expected by mail two weeks after the completion of the percolation testing.

Thank you in advance for your cooperation in this matter.

Sincerely,

John A. Bors, Jr., R.S., Supervisor
Well and Septic Program
Development Coordination Section

JAB

cc: Mr. Ron Fenzer, Shanaberger & Lane

File

