

# APPLICATION

## FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) \_\_\_\_\_ TEST TIME \_\_\_\_\_ A/P 531083

AGENCY REVIEW: \_\_\_\_\_ DATE 7-14-09

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) KEVIN M AND EVONNE T MATHEWS

DAYTIME PHONE 240-684-1091 CELL 410-852-5635 FAX \_\_\_\_\_

MAILING ADDRESS 3324 CAMPAIGNE CT, GLENWOOD MD 21738  
STREET CITY/TOWN STATE ZIP

APPLICANT SAME AS PROPERTY OWNER

DAYTIME PHONE \_\_\_\_\_ CELL \_\_\_\_\_ FAX \_\_\_\_\_

MAILING ADDRESS \_\_\_\_\_  
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION  
SUBDIVISION/PROPERTY NAME WARFIELD ESTATES LOT NO. 30

PROPERTY ADDRESS 3324 CAMPAIGNE CT GLENWOOD  
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 21 GRID 4 PARCEL(S) 134 PROPOSED LOT SIZE 40476 ft<sup>2</sup>

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. Kevin M Mathews  
SIGNATURE OF APPLICANT

HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM  
7178 COLUMBIA GATEWAY DRIVE COLUMBIA, MARYLAND 21046 (410) 313-1771 FAX (410) 313-2648  
TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH

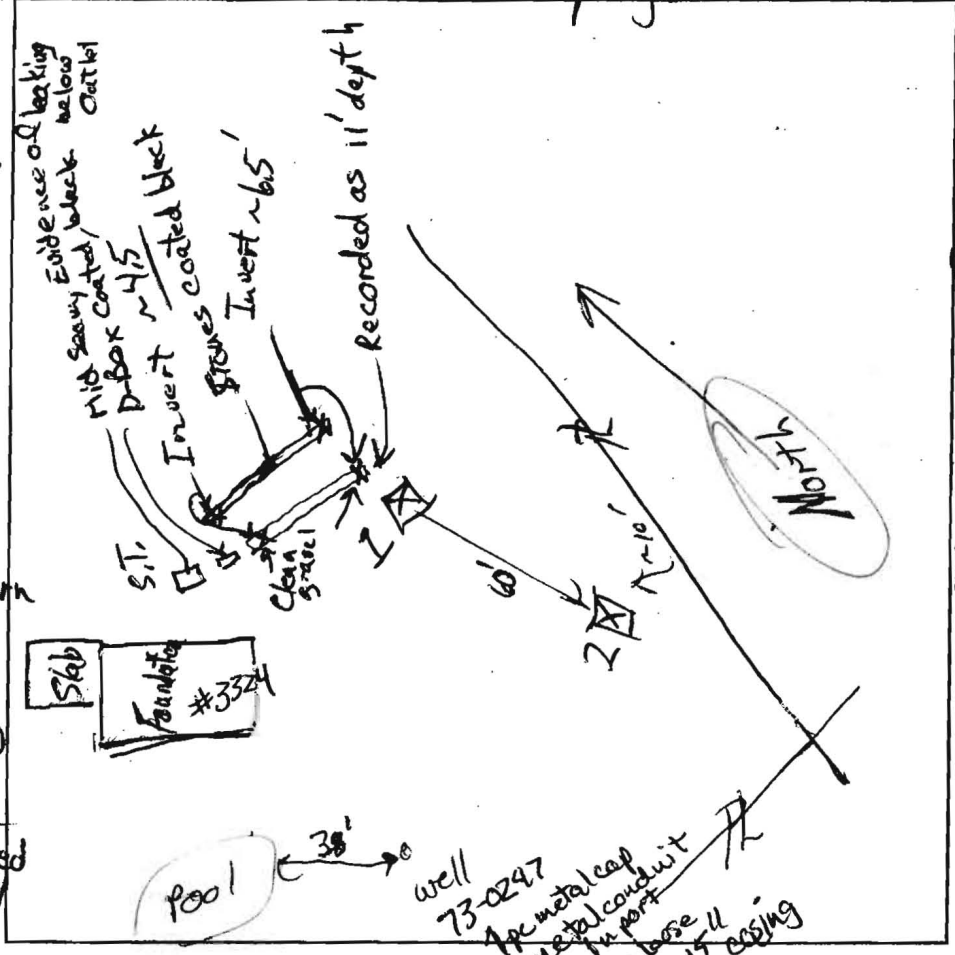
# 3324 Campaign Ct.

(2)

AP \_\_\_\_\_

1

- 0.9' brn sl / 2fg to 2fsbk
- 1.5' yel-brn sl / 2csbk
- 2' yel-brn / 2fsbk
- 2' brn scl / 2fsbk
- 3' yel-brn fsl / 2epl
- 5' yel-red & yel-brn / fsl, Øm
- 8' red & yel brn w/ black (fine) micaceous fsl saprolite
- 12' yel-brn & yel-red micaceous sl / 1epl
- 15' 1epl



- 2' brn sl
- brn scl / sbk
- 3.5' yel-red heavy platy fsl
- 5' yel-brn fsl / Øm few mica
- 10' few gravel & some mica
- yel-red, red & yel-brn fsl micaceous
- weak platy / few mica coatings

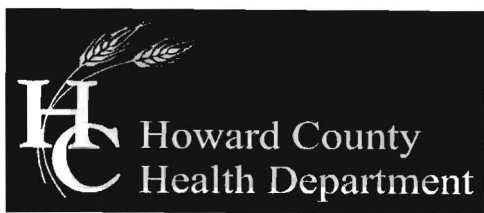
DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
7/22/09	1	7' / 15'	0	2.5	7	4.5	P
7/22/09	2	14'	Visual	sidewall begins at 5' (to 10') moderately rapid			P
	3						

REMARKS One existing trench failed; tank appears to seep

SANITARIAN RB BACKHOE Dennis Fejo OTHERS \_\_\_\_\_

TEST HOLES USED IN SDA 1 & 2 AVG. PERC TIME 4.5 SQ. FT/BR 125

TRENCH WIDTH 2 INLET DEPTH 5 MAX. BOT DEPTH 8 EFFECTIVE SW 5 to 8



Bureau of Environmental Health  
7178 Columbia Gateway Drive, Columbia, MD 21046-2147  
(410) 313-2640 Fax (410) 313-2648  
TDD (410) 313-2323 Toll Free 1-866-313-6300  
website: [www.hchealth.org](http://www.hchealth.org)

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Peter L. Beilenson, M.D., M.P.H., Health Officer

August 3, 2009

TO: Kevin and Evonne Matthews, owners  
3324 Campaigne Court

FROM: Robert Bricker, CPSS, R.S.  
Environmental Sanitarian

RE: Percolation Test Results, 3324 Campaigne Court, A531083

Dear Mr. and Mrs. Matthews,

Percolation testing was conducted on the referenced property on July 22, 2009. Two soil profiles were observed and a standard percolation test was conducted in one of the test pits. Percolation Test Results and profile observations indicate soils' conditions that are satisfactory for onsite wastewater disposal. Subsequently, the area of your property represented by these observations may be designated as a septic easement. Field data collected are shown on the Percolation Test Results Worksheet. Subsequent recommendations are based on observed soil properties and characteristics at respective test locations as well as the particular soils materials tested. The detailed specifications for one of the designated replacement systems will be similar to the initial system, except limited to 8 feet depth. The second replacement system will require distribution via a pressure manifold due to uneven length of distribution lines. For trenches 2-feet wide, about 275 linear feet may be installed for a pressurized distribution system.

The potential of the area that may be defined as a septic easement meets the Howard County Code (3.805.A.2.X) requirement for an initial system and 2 replacement systems. The extent of the suitable soils in the westerly direction is limited by a 15-foot setback to the driveway and the 100-foot setback to the neighbor's well. The property narrows to the entrance at the cul-de-sac to the north. There is property line to the east; a 10-foot setback must be observed along the property line. The septic easement is bounded on the south and southwest by 100-foot setbacks to neighbors' wells and the well (and proposed wellbox) on the subject property.

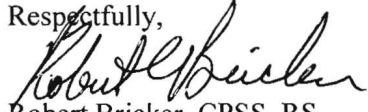
An electrical service line crosses the proposed septic easement area, from the cul-de-sac the existing foundation. This entrance line may remain in its current location, though the Health Department does encourage re-location of the line nearer to the driveway, if possible.

During field evaluation, the two existing trenches were observed. The trench nearer to the foundation had clean gravel; the gravel in the trench further from the foundation had black organic coatings and the surrounding soil was blackened. The further trench has failed. Additional evidence of this is the black organic coatings on the inside of the distribution box. The existing (1250-gallon) septic tank had been uncovered and a portion of the outlet end exposed. There is evidence of seepage below the septic tank outlet and at the corner septic tank wall nearer to the middle depth of the tank. There was no evidence of collapse, cracking, or other damage to the top of the tank, however it is apparent that solution has seeped into the surrounding soil at the mid-seam seal.

The septic tank, distribution box and the failed trench are to be replaced. The Health Department will require that the replacements be installed prior to building permit approval. A 1500 gallon septic tank will be required for a residence having 1500 to 3500 square feet of enclosed living space. If the enclosed living space is greater than 3500 square feet, a 2000 gallon septic tank will be required. The septic tank must be top seam and have two compartments. The replacement trench will have equivalent absorption area as the failed trench.

If you have any questions regarding the soil evaluation, the Percolation Certification Plan, or the stated requirements for a new septic system, please contact me at the above address or by calling (410) 313-2691.

Respectfully,

A handwritten signature in cursive script, appearing to read "Robert Bricker".

Robert Bricker, CPSS, RS  
Well and Septic Program  
Development Coordination Section

Copy: File