902.00 pd

Howard County Health Department

# APPLICATION

## FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) 12/12/05 TEST TIME 9a.m. A/P 523649

AGENCY REVIEW: Upgrade old system for four bedrooms total (Currently 3 & possibly in water table DATE 11/15/05

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) Kruler

DAYTIME PHONE _____ CELL _____ FAX _____

MAILING ADDRESS _____
STREET CITY/TOWN STATE ZIP

APPLICANT Zyock's Septic

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 _____ LOT NO. _____

PROPERTY ADDRESS 12645 Old Frederick Road
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 9 GRID 23 PARCEL(S) 72 PROPOSED LOT SIZE 26+ acres

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

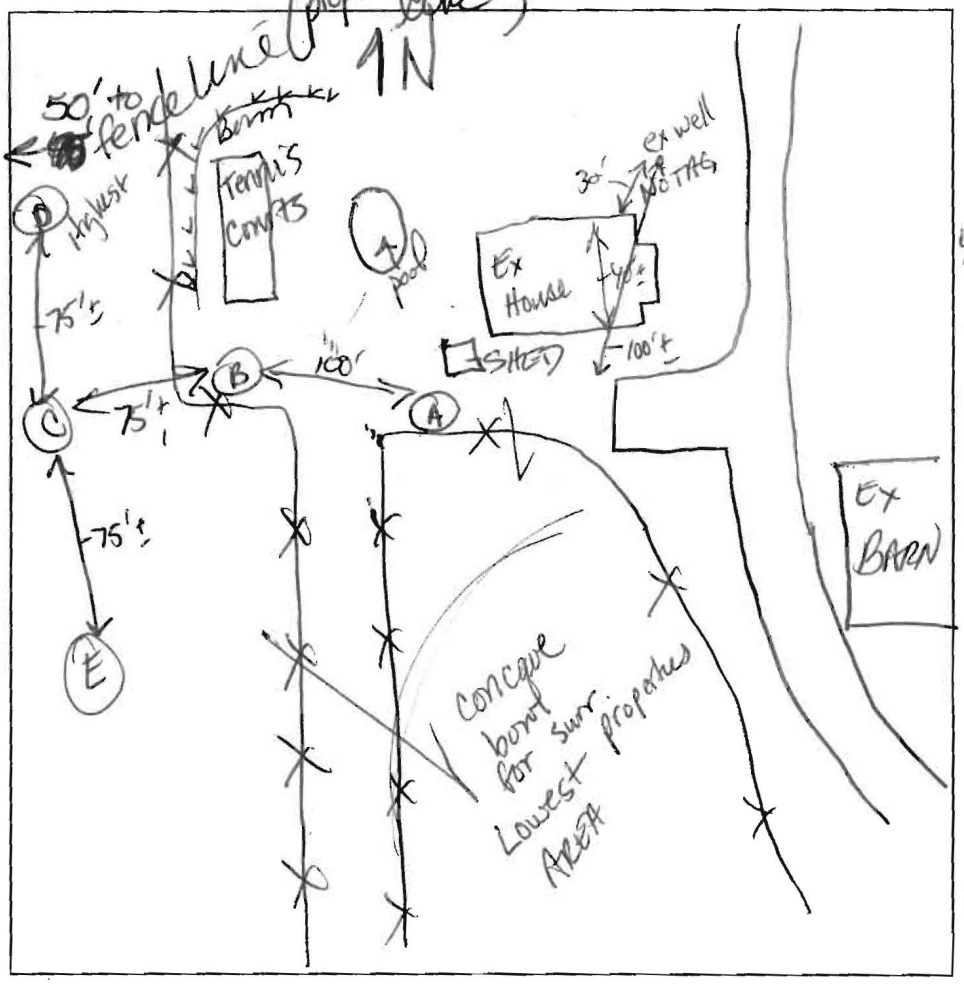
HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM
3525-H ELLICOTT MILLS DRIVE, ELLICOTT CITY, MARYLAND 21043-4544 (410) 313-1771 FAX (410) 313-2648
TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH

A/P

**A**
Strong org brn SiCL
3½ to 4'
brn SiL wk pl/pr structure/ massive TRACE Rx
$H_2O$ in @8' cave in @6' after 1 hr.
Bottom
12'

**B**
org brn SiCL w/CL packets
3'±
wk rd y brn brn SiL/L
6'
Abrupt transition
$H_2O$ & mottles @ 10' w/ MN nodules
12'

**C**
Str org brn SiCL
3½'
Str brn org brn Loam w/ SiL packets TRACE Rx
STRONG MOTTLES @ 10'
DRY BOTTOM
14½'




**D**
Massive Rd brn SiCL to 5'
4½-5'
Loam/SiL pockets MOTTLES @ 10' TRACE saprolite Bottom
12'

**E**
Str rd brn CL/SiCL 1g SBK peds
3½
SiCL massive
5-5½'
brn y brn SL/L
V. wk saprolite @ 11' Bottom
12'

| DATE | TEST # | DEPTH | START | BREAK 1" DROP | STOP 2" DROP | TIME OF 2nd INCH | P/F/H |
|---|---|---|---|---|---|---|---|
| 12/12/05 | 805 A | 3' | 9:45 | 9:56 | 10:15 | 19 | F |
| | | FAILS | DUE | TO CAVE IN | NO TX ZONE | | |
| | 804 B | 4½' | 10:15 | 10:28 | 10:58 | 30 | MP |
| | 801 C | 4'3" | 11:18 | 11:39 | TOO SLOW | | |
| | | 5'1" | 11:50 | 12:05 | 12:25 | 20 | P |
| | 800 D | 5'0" | 11:29 | 11:35 | 11:49 | 14 | P |
| TOO SLOW @ 4½' | E | 5½' | 11:45 | 12:00 | 12:20 | 20 | P |
| | 803 | | | | | | |
| | | | | | | | |

REMARKS No existing files on septic TRUE 12x12 holes

SANITARIAN Karen BACKHOE R. Tyack OTHERS _____

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

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

Howard County
Health Department

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 3, 2006

Mr. & Mrs. Kreider
12645 Old Frederick Road
Sykesville, MD

Re: Percolation Test Results #P 523649
12645 Old Frederick Road

Dear Mr. & Mrs. Kreider,

Percolation testing was conducted today in support of a future submission for a building permit of an addition with a proposed total of four bedrooms. In order to continue with the process, an engineer will need to submit a plan showing the following:

- Field-located well site
- Field-located percolation test holes
- Two-foot contour lines with soil overlay
- Proposed septic area for two complete systems based on 300 linear feet of trench per bedroom with an inlet at 4', bottom at 6', and 1/2' to one foot of sidewall.
- Include in general notes the actual date of the property deeded, a note for the existing septic system to be abandoned properly and disconnected

In order to approve the future building permit, a plan will need to be submitted as a percolation certification plan/ site plan meeting the above criteria. The existing septic system will need to be replaced prior to building permit issuance.

If you have any questions, contact me at 410-313-1775. Enclosed is a copy of the percolation test notes for your convenience.

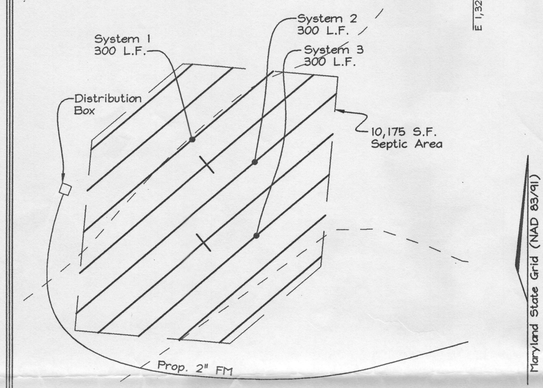
Sincerely,

Kacie Noonan

Kacie Noonan, R. S.
Well and Septic Program

KN

Cc: file




## SEPTIC TRENCH LAYOUT

Scale: 1"=30'

## SOILS LEGEND

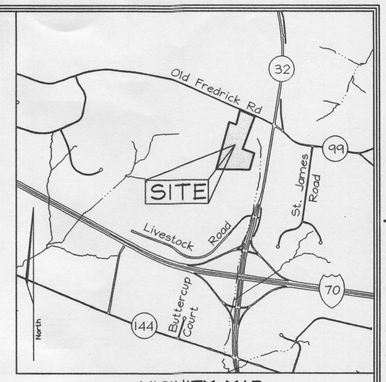
| SYMBOL | NAME / DESCRIPTION | SOIL GROUP |
|---|---|---|
| CgB2 | Chester gravelly silt loam, 3 to 8 percent slopes, moderately eroded | B |
| CgC2 | Chester gravelly silt loam, 8 to 15 percent slopes, moderately eroded | B |
| ChA | Chester silt loam, 0 to 3 percent slopes | B |
| ChB2 | Chester silt loam, 3 to 8 percent slopes, moderately eroded | B |
| ChC2 | Chester silt loam, 8 to 15 percent slopes, moderately eroded | B |
| ChD2 | Chester silt loam, 15 to 25 percent slopes, moderately eroded | B |
| GnB2 | Glenville silt loam, 3 to 8 percent slopes, moderately eroded | C |
| MgB2 | Manor gravelly loam, 3 to 8 percent slopes, moderately eroded | B |
| MgC2 | Manor gravelly loam, 8 to 15 percent slopes, moderately eroded | B |
| M1B2 | Manor loam, 3 to 8 percent slopes, moderately eroded | B |
| M1D2 | Manor loam, 15 to 25 percent slopes, moderately eroded | B |
| M1E | Manor loam, 25 to 45 percent slopes | B |

## PERC. CHART

| Number | Elevation |
|---|---|
| 800 | 640.04 |
| 801 | 636.91 |
| 802 | 636.91 |
| 803 | 632.74 |
| 804 | 633.32 |
| 805 | 628.11 |

## LEGEND

- Existing Contour ----------385
- Existing Spot Elevation 382.3
- Existing Trees to Remain
- Proposed Septic Easement
- Perc Test (Passed)
- Perc Test (Failed)




## VICINITY MAP

Scale: 1"=2000'

## GENERAL NOTES

1. Subject property zoned RC-DEO per 10/18/93 Comprehensive Zoning Plan.
2. Total area of property = 26.58 ac.±
3. Private water, and sewer will be used within this site.
4. ▨ This area designates a private sewage easement, of at least 10,000 SF as required by the Maryland State Department of the Environment for individual sewage disposal (COMAR 26.04.03). Improvements of any nature in this area are restricted until public sewage is available. These easements 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 easement. Recordation of a modified sewage easement shall not be necessary.
5. All wells and septic fields within 100' of property's boundary have been shown.
6. Existing Topography based on Howard County Aerial Topographic Survey Flown in 1993 and has been field verified.
7. All existing structures to be remain.
8. Deed History:
   June, 1998-Present: John R. Kreider, III and Elizabeth A. Kreider
   December, 1987-June, 1998: Harold C. Green and Ann Martin Green
   May, 1977-December, 1987: Randall Brandon and Anita Brandon
   May, 1968-May, 1977: D. Clayton Lucas and Irma G. Lucas
   March, 1967-March, 1967: Herbert A. Streaker, Jr. and Elissa M. Streaker
   March, 1967-March, 1967: Shirley R. England
   December, 1964-March, 1967: Herbert A. Streaker, Jr.
   May, 1962-December, 1964: Robert S. Norton Jr. and Lynne L. Norton
   September, 1959-May, 1962: William H. Fitzsimmons and Dorothy M. Fitzsimmons and Patsy M. Adams
   September, 1959-September, 1959: Guinevere M. Warfield
   August, 1959: Ronald L. Adams and Patsy M. Adams
   August, 1959: Guy Daniel Lalic and Mary Bizon Lalic
   September, 1946-August, 1959: Charles H. O'Donnell and Mary F. O'Donnell and Waugh Glascock
9. The lots shown hereon comply with the minimum ownership, width and lot area as required by the Maryland Department of the Environment.
10. Property boundary distances taken from tax map information.
11. Sewage pump to be Goulds submersible sewage pump, series 1DM51C-N, 1/2 HP, or equivalent.

**DEVELOPER**
Ken Mauck
P.O. Box 383
Fulton, Maryland 20759

**OWNER**
John R Kreider
Elizabeth A Kreider
12645 Old Frederick Road
Sykesville, Maryland 21042

APPROVED : FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS IN ACCORDANCE WITH THE MASTER PLAN OF HOWARD COUNTY

Robert J. Weber 3/30/06
COUNTY HEALTH OFFICER, HOWARD COUNTY HEALTH DEPARTMENT — DATE

# PERCOLATION CERTIFICATION PLAN

# KREIDER PROPERTY

TAX MAP 9 GRID 23 — PARCEL 72
3RD ELECTION DISTRICT — HOWARD COUNTY, MARYLAND

STATE OF MARYLAND · PAUL M. SITA · No. 32025 · PROFESSIONAL ENGINEER


**FSH Associates**
Engineers Planners Surveyors
8318 Forrest Street Ellicott City, MD 21043
Tel:410-750-2251 Fax: 410-750-7350
E-mail: info@fsha.biz


| | |
|---|---|
| DESIGN BY: | PS |
| DRAWN BY: | CRH2 |
| CHECKED BY: | PS |
| SCALE: | 1"=100' |
| DATE: | Mar. 14, 2006 |
| W.O. No.: | 3397 |
| SHEET No.: | 1 OF 1 |

SIGNED PERC CERT 3/30/06