



# APPLICATION

## FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) \_\_\_\_\_ TEST TIME \_\_\_\_\_

AP 527347

AGENCY REVIEW: \_\_\_\_\_

DATE 9/14/07

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 0 Barn 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) Brian + Connie Mattingly

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

MAILING ADDRESS 2185 Daisy Road Woodbine MD 21797  
STREET CITY/TOWN STATE ZIP

APPLICANT Selfridge Builders - Tim Rayen

DAYTIME PHONE 410 531 8930 ext 26 CELL 410 365 2278 FAX \_\_\_\_\_

MAILING ADDRESS 4781 Ten Oaks Rd Dayton MD 21036  
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION  
SUBDIVISION/PROPERTY NAME Mattingly Property LOT NO. \_\_\_\_\_

PROPERTY ADDRESS 2185 Daisy Road Woodbine MD 21797  
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 14 GRID 1 PARCEL(S) 112 PROPOSED LOT SIZE Barn

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.

Tim Rayen  
SIGNATURE OF APPLICANT

HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM  
1718 COLUMBIA GATEWAY DRIVE COLUMBIA, MARYLAND 21046 (410) 313-2640 FAX (410) 313-2648  
TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH

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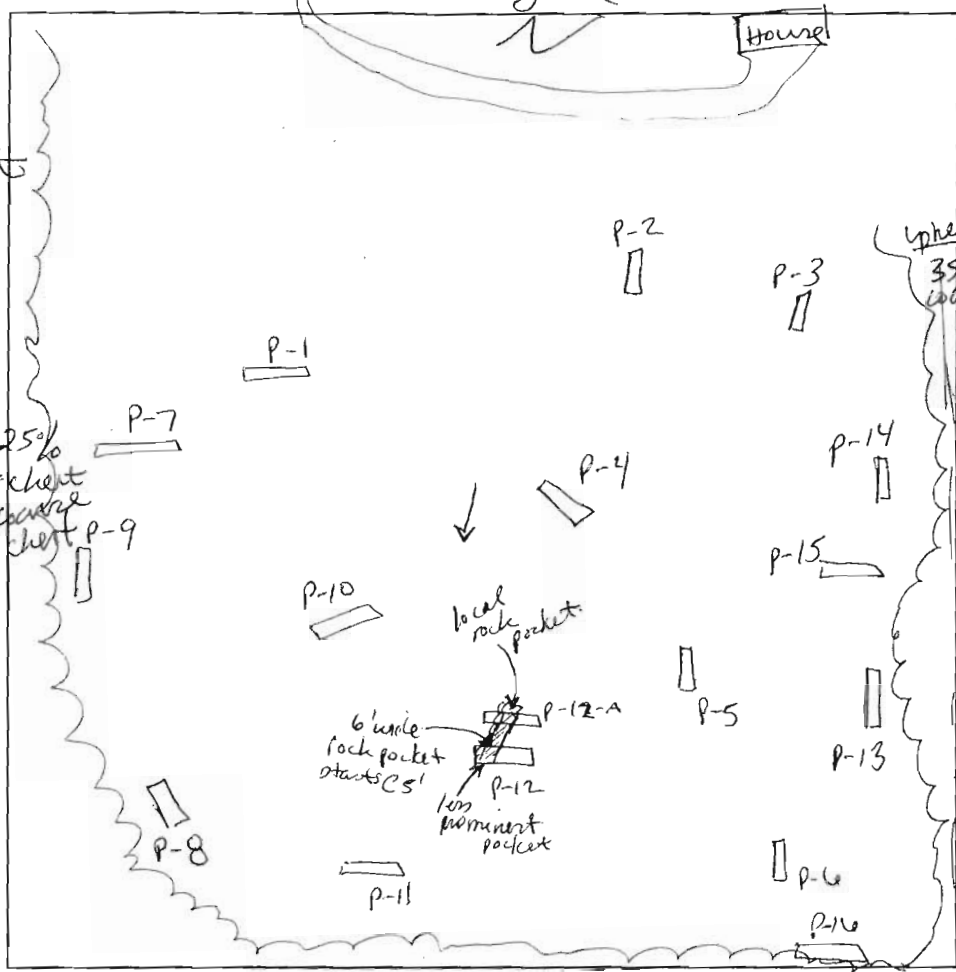
Dairy Rd

House

**P-13**  
 brown & sbk 15% chert  
 strong brown s&l 25% chert  
 strong brown dense fine/medium s&l saponite  
 pale red film s&l saponite  
 light brown medium s&l s&g saponite  
 red brown s&l s&g  
 26'  
 12'

**P-4**  
 brown & sbk  
 red brown sil. micaceous massive 25% chert  
 coarse chert  
 2 1/2'  
 red brown heavy sil micaceous 25% chert  
 coarse chert  
 3'  
 red brown fine s&l/s&g 25% chert  
 coarse chert  
 7'  
 red brown 45% coarse chert  
 medium s&l s&g  
 12'

**P-2**  
 brown & sbk  
 red brown sil m micaceous  
 25% chert  
 2 1/2'  
 multicolored (pale red/yellow/white)  
 5-30% coarse chert  
 medium s&l/s&g saponite  
 6' 8"  
 pale red ls s&g  
 50% stone coarse chert  
 saponite  
 11'  
 refusal.



**P-7**  
 brown & sbk chert  
 strong brown side micaceous  
 pale brown dense fine s&l/s&g micaceous saponite  
 50% coarse chert  
 6'  
 refusal.

**P-9**  
 brown & sbk rock platy 25%  
 strong brown sil. dry 30% chert  
 pale brown sil  
 50% coarse chert  
 strong  
 6'  
 refusal.

**P-11**  
 brown organic matter  
 23"  
 pale brown & m  
 1'  
 strong brown dense fine s&l 15% chert  
 2 1/8"  
 multicolored (pale red, yellow) pale brown saponite very fine s&l 15% coarse chert  
 6'  
 coarse chert  
 11'  
 chert

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
10/11/07	P-4	4 1/12'	9:53	10:07	10:34	27	P
	P-2	11'		visual			F
	P-7	10'			rock		F
	P-9	6'			rock		F
	P-11	4 1/11'	11:44	11:48	11:54	6	P
	P-13	5 8/12'	1:07	1:15	1:29	14	P
	"	4 1/12'	12:33	12:54			

REMARKS dry soil test holes # 1-5 dip per plan  
 SANITARIAN S&L/HS BACKHOE all other holes field located to be  
 TEST HOLES USED IN SDA K+K AVG. PERC TIME removed by eng.  
 TRENCH WIDTH \_\_\_\_\_ INLET DEPTH \_\_\_\_\_ MAX. BOT DEPTH \_\_\_\_\_ EFFECTIVE SW \_\_\_\_\_

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5

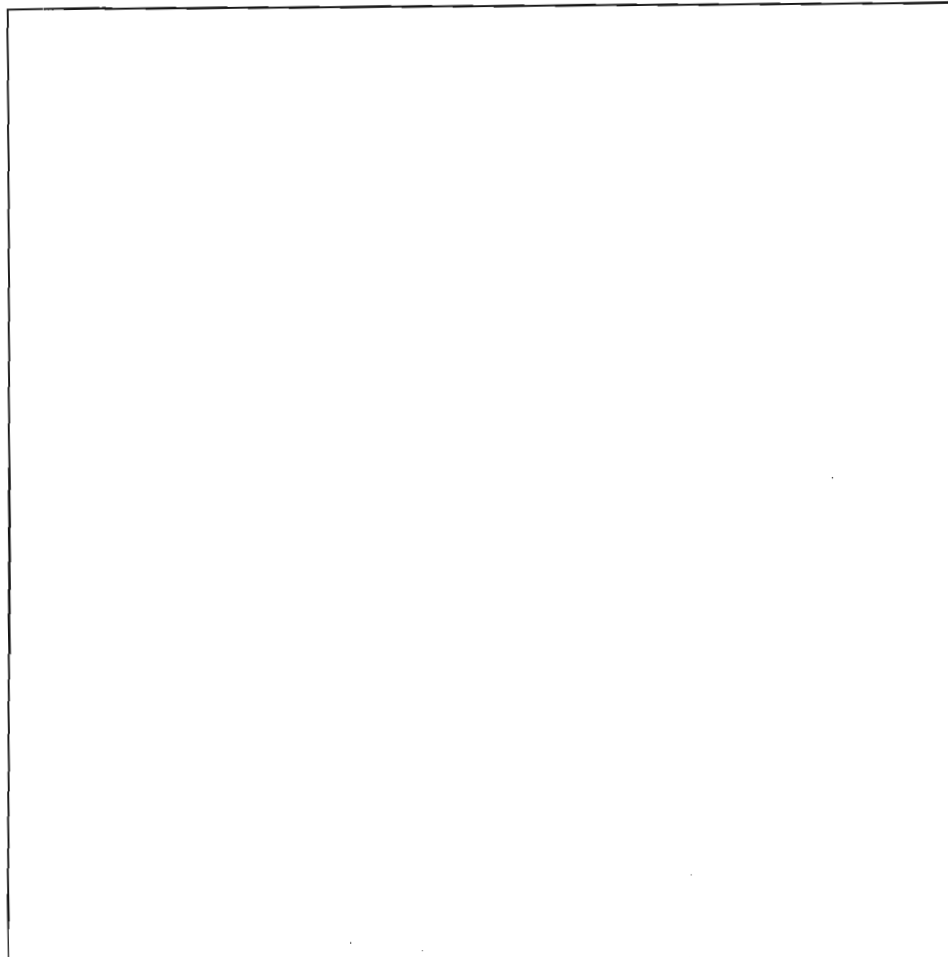
1/2' heavy brn l sbk  
 red brn med scl sbk  
 2.5' yellow brn v fsl / sil  
 ~20% saprolite  
 8' yellow brn fsl  
 ~35% cherts  
 ~15% saprolite

1

1' brn l sbk  
 red brn dense scl  
 3' pink med scl  
 ~35% cherty  
 @ 5' pocket of 750% rock  
 6' pale red med scl  
 ~10% flags  
 ~35% cherts / cherty  
 10'

3

1' brn l sbk  
 red brn scl  
 ~35% rock  
 3' yellow brn fsl ~15%  
 saprolite ~25% cherts  
 5.5' 750% rock  
 ~20% saprolite  
 pale red scl  
 12'



DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
10/11/07	5	3.5' / 13'	9:54	9:57	10:02	5	P
	1	4' / 10'	10:14	no movement, pulled F			
	3	12'	visual				F
	6	4' / 12'	10:49	10:53	10:59	6	P
	8	12.5'	visual				P
	10	7.5'	visual				F

6  
 1' brn l sbk  
 red brn scl ~25% cherts  
 3' yellow brn fsl ~20%  
 saprolite  
 7.5' tan scl  
 ~20% saprolite  
 ~30% cherts  
 12'

8  
 1/2' brn l sbk  
 yellow brn scl / fsl  
 ~30% cherts  
 3' yellowish white fsl / sil  
 (similar to #5)  
 35% cherts  
 20% saprolite  
 12.5'

10  
 1' brn l sbk  
 red brn med scl  
 ~40% cherts  
 4.5' 750% rock  
 red brn scl  
 ~15% boulders  
 7.5'

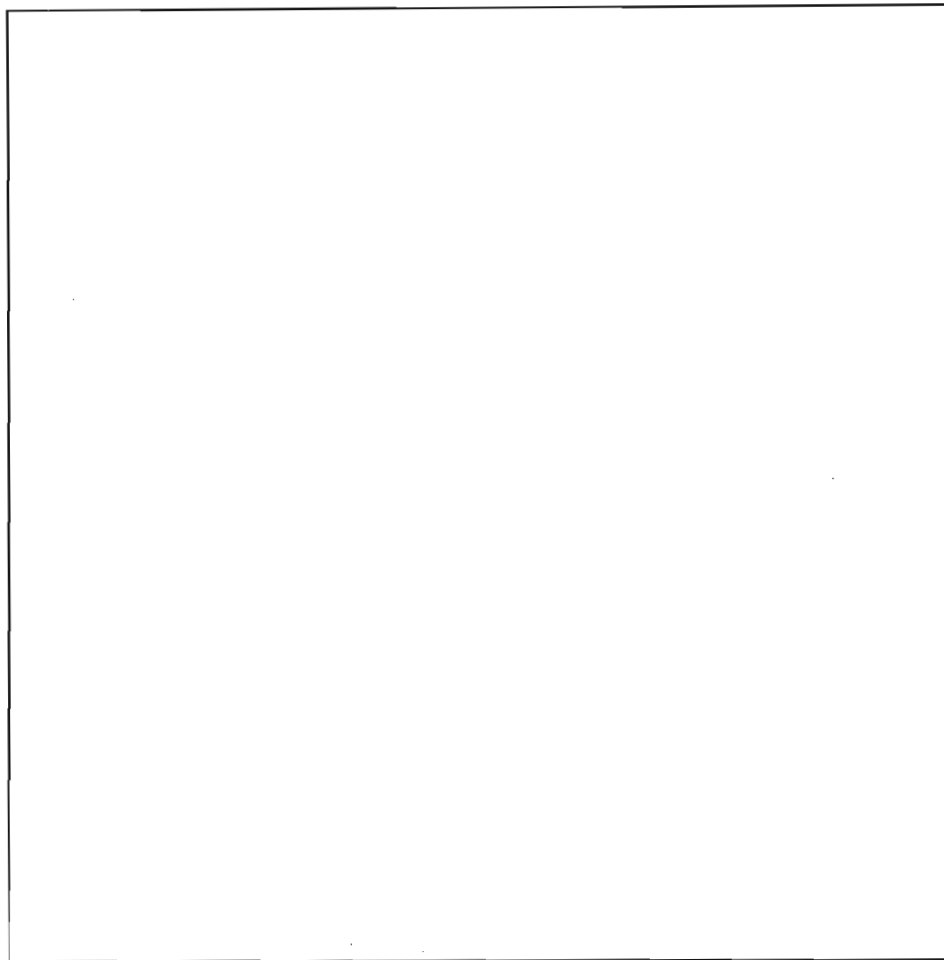
REMARKS \_\_\_\_\_  
 SANITARIAN HS/SF BACKHOE Ketterman OTHERS \_\_\_\_\_  
 TEST HOLES USED IN SDA \_\_\_\_\_ AVG. PERC TIME \_\_\_\_\_ SQ. FT/BR \_\_\_\_\_  
 TRENCH WIDTH \_\_\_\_\_ INLET DEPTH \_\_\_\_\_ MAX. BOT DEPTH \_\_\_\_\_ EFFECTIVE SW \_\_\_\_\_

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12  
 1' brn l sbk  
 red brn sl ~25% cherts ~15% suprolite  
 2' pale red med sl ~25% suprolite  
 5' rock pocket @ 5'  
 brn sl ~40% cherts  
 et getting brn sl rockier

12A  
 Same as hole #12  
 3' rock pocket @ 3.5'  
 red brn sl rock vein @ 5' (6' across) to bottom  
 red brn fsl ~45% cherts/stones

14  
 1/2' brn l sbk roots  
 rock vein 1"-3" vein  
 dense brn sl  
 4.5' red brn med sl ~60% rock  
 11'



15  
 1' heavy brn l sbk  
 lt brn med sl ~40% rock  
 5' red brn med sl / sl  
 75% rock frags  
 30% weakly cemented rock  
 13'

16  
 1/2' heavy brn l sbk  
 brn sl / fsl 40% rock  
 3' brn med sl 75% rock frags ~35% cherts  
 5' getting rockier  
 11' brn sl ~45% rock

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
10/11/07	12	4' 9"	12:13	12:15	12:19	4	P
	12A	13'	visual				P
	14	11'	visual				F
	15	13'	visual				F
	16	11'	visual				F

REMARKS \_\_\_\_\_  
 SANITARIAN HS/SF BACKHOE Ketterman OTHERS \_\_\_\_\_  
 TEST HOLES USED IN SDA \_\_\_\_\_ AVG. PERC TIME \_\_\_\_\_ SQ. FT/BR \_\_\_\_\_  
 TRENCH WIDTH \_\_\_\_\_ INLET DEPTH \_\_\_\_\_ MAX. BOT DEPTH \_\_\_\_\_ EFFECTIVE S/W \_\_\_\_\_



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

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

October 16, 2007

Brian and Connie Mattingly  
2185 Daisy Rd  
Woodbine, Maryland 21797

RE: PERCOLATION TEST RESULTS – A#527347  
2185 Daisy Rd

Dear Mr. and Mrs. Mattingly:

Percolation testing conducted on October 11, 2007 on the referenced property indicated satisfactory and unsatisfactory soil conditions. Copies of the test results are enclosed. The limiting factor influencing percolation testing was high rock percentages at shallow depths. At this time, a percolation certification plan needs to be submitted to our office indicating the area available for a septic easement. If the area is less than 10,000 square feet, further testing will be required to establish the necessary area.

Further review is contingent upon submission of a percolation certification plan showing the following:

- 1) Actual surveyed locations and elevations of all excavated test holes
- 2) Proposed barn site, including building restriction lines as determined by other County agencies, and driveway location (if applicable)
- 3) Existing property lines
- 4) Proposed SDA
- 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 stating all existing and proposed wells, septic systems and sewage disposal systems located within 200 feet down gradient of existing or proposed septic systems and sewage disposal easements.
- 7) A note stating the engineer used all reasonable efforts to find the location of all surrounding wells and septic systems
- 8) Topography needs to be shown at 2 foot contour intervals and a note certifying topography was field run and verified and reflects field-matched information
- 9) A MDE sewage disposal area statement is required
- 10) MDE minimum lot width statement
- 11) Include the statement, "Any changes to a private sewage easement shall require a revised perc certification plan"
- 12) Identification of streams, ponds, wetlands, floodplains, slopes >25%, soil types and soil type boundaries
- 13) Legend symbols to distinguish between new holes, any existing holes previously documented (by the HCHD), passed holes, failed holes, and any holes held for future review
- 14) Existing structures, wells, septic easements and other septic system components such as tanks, dry wells and distribution boxes. Description of use and intent designated for each item, e.g. 'to remain' or 'remove.' Add to general notes, "structures and septic systems to be removed must be removed prior to final plat approval."
- 15) A health officer signature block stating "approved for private water and private sewer systems."

- 16) Professional seal or signed statement that "I certify that the information shown heron is based on field work performed by me or under my direct supervision, and is correct, to the best of my knowledge and belief."
- 17) Identification of the property, road, street address if applicable, tax map page, parcel number, subdivision name (if appropriate); add purpose statement as appropriate, e.g. subdivision, SDA adjustment, percolation certification plan etc
- 18) Name, address and telephone number of each owner, developer and the plan author.
- 19) The date the plan was drawn, the plan scale (1:30 - 1:100), a scaled vicinity map and, the A # (percolation test fee receipt number, referenced in the HCHD correspondence)

If you have any questions regarding this matter, please contact me at the above address or by calling (410) 313-4261.

Sincerely,

Sara Sappington, R.S.  
Well and Septic Program  
Development Coordination Section

Enclosures