

# APPLICATION

## FOR PERCOLATION TESTING AND SITE EVALUATION

pd 506<sup>00</sup>

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

AP 522941

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

DATE 5/25/06

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 3 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) Vladimir Blyukher

DAYTIME PHONE 410-462-1800 CELL 443-929-9512 FAX \_\_\_\_\_

MAILING ADDRESS 4655 Manor Lane Ellicott City MD 21042  
STREET CITY/TOWN STATE ZIP

APPLICANT Vladimir Blyukher

DAYTIME PHONE 410-462-1800 CELL 443-929-9512 FAX \_\_\_\_\_

MAILING ADDRESS 4655 Manor Lane Ellicott City MD 21042  
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION  
SUBDIVISION/PROPERTY NAME 4655 Manor lane LOT NO. \_\_\_\_\_

PROPERTY ADDRESS \_\_\_\_\_  
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 29 GRID 5 PARCEL(S) 107 PROPOSED LOT SIZE 1.18 acre

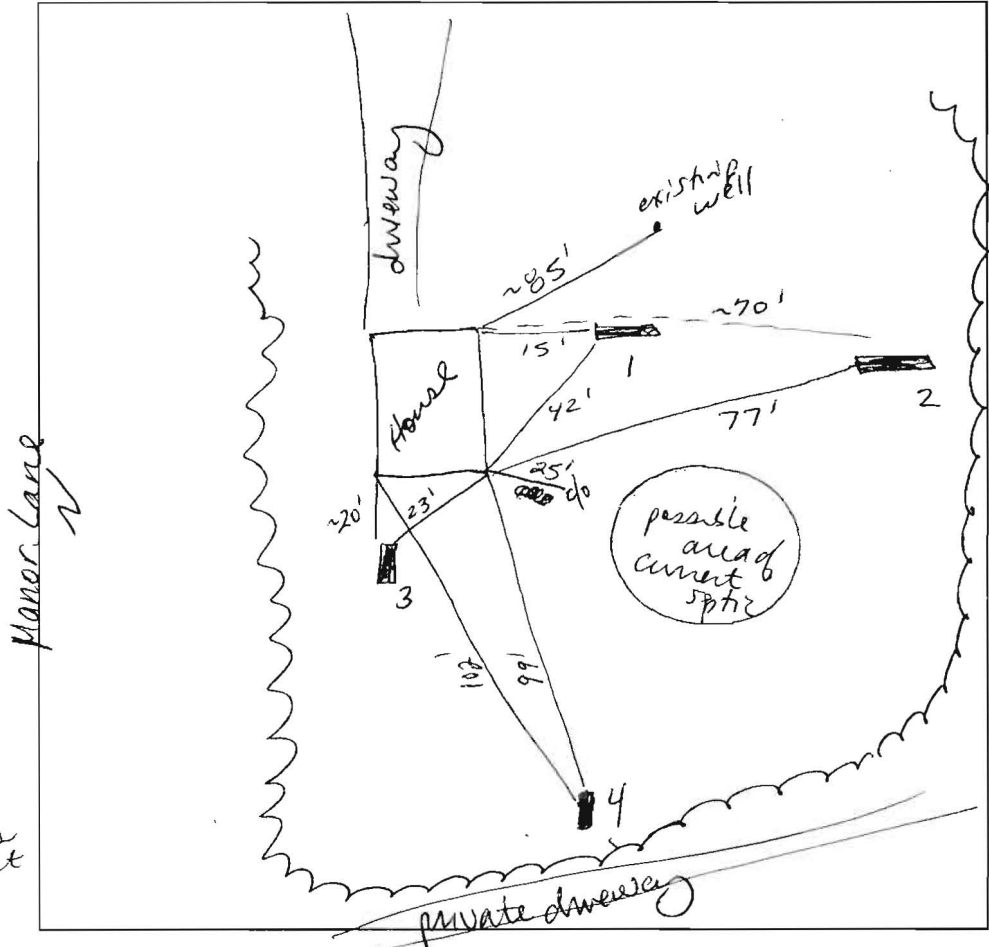
AS APPLICANT, I UNDERSTAND THE FOLLOWING: THE SYSTEM INSTALLED SUBSEQUENT TO THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS APPLICATION IS COMPLETE WHEN ALL APPLICABLE FEES AND A SUITABLE SITE PLAN HAVE BEEN RECEIVED. I ACCEPT THE RESPONSIBILITY FOR COMPLIANCE WITH ALL M.O.S.H.A.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

TEST RESULTS WILL BE MAILED TO APPLICANT.

Vladimir Blyukher

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



Manor Lane ↘

private driveway

possible area of current septic

4  
brown L  
cw  
red brown  
sil m  
micaceous  
well compact  
dense sil  
5% gravel  
cobble  
red brown  
sil sg  
w/ white sil  
mica schist  
quartz grains  
HB

1  
brown L  
5% cobble  
red brown  
compact m  
sil cw  
coarse  
micaceous  
red brown  
sil sg  
mica  
w/ white sil  
quartz grains  
mica schist  
quartz grains

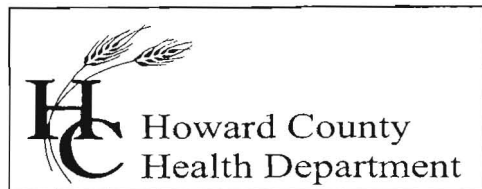
5.5°  
12'  
red brown  
sil sg  
mica  
w/ white sil  
quartz grains  
mica schist  
quartz grains

2  
brown L  
red brown  
sil cw  
m  
micaceous  
red brown  
sil  
coarse sg  
micaceous  
reddish  
yellow/brown  
coarse sil sg  
cw 5% chert  
squalite  
quartz gravel  
mica schist

3  
brown L  
reddish  
yellow  
sil / sil  
m  
well compact  
brown  
sil coarse  
well compact  
w/ yellow sil  
sg  
white/gray  
fine sil sg  
coarse w/  
mica schist  
quartz grains

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2nd INCH	P/F/H
5/31/06	1	5.5" / 12'	11:29 <sup>42</sup>	11:31 <sup>13</sup>	11:33 <sup>44</sup>	2	P
		4'	11:53		too slow		
	2	4' / 13'	11:34	11:45	11:57	12	P
		6'	11:41	11:43	11:45	2	P
	3	5.5" / 13'	12:10	12:15	12:22	7	P
	4	12'6"			visual ok		P

REMARKS Holes consistent = dug per plan = septic tank effluent levels okay.  
 SANITARIAN SF BACKHOE OTHERS V. Blysker (owner)  
 TEST HOLES USED IN SDA AVG. PERC TIME 6 SQ. FT/BR 180  
 TRENCH WIDTH 3 INLET DEPTH 3 MAX. BOT DEPTH 8 EFFECTIVE SW 5.5  
 25' sidewalk  
 165



Bureau of Environmental Health  
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

June 12, 2006

Mr. Vladimir Blyukher  
4655 Manor Lane  
Ellicott City, MD 21042

RE: PERCOLATION TEST RESULTS – A522941  
Tax Map 8, Parcel 38  
4655 Manor Lane

Dear Mr. Blyukher:

Percolation testing conducted May 31, 2006 on the referenced property indicated satisfactory soil conditions. 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) Proposed house, well and septic system
- 3) Locations of existing well and septic system for existing house
- 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) Need 2' contours
- 8) A note stating all wells to be drilled prior to final plat approval
- 9) A note stating any buildings to be razed prior to building permit approval
- 10) A note stating existing house to be razed upon receiving "use of occupancy" permit
- 11) A health officer signature block stating "approved for private water and private sewer systems"
- 11) A MDE sewage disposal area statement is required
- 12) MDE minimum lot width statement
- 13) General statement regarding the maximum number of bedrooms per home

If you have any questions regarding this matter, please contact me at the above address or by calling (410) 313-1771.

Sincerely,

Sara Fegel  
Well and Septic Program  
Development Coordination Section

SF  
Enclosures

Cc: ~~Land Design and Development Inc.~~  
File

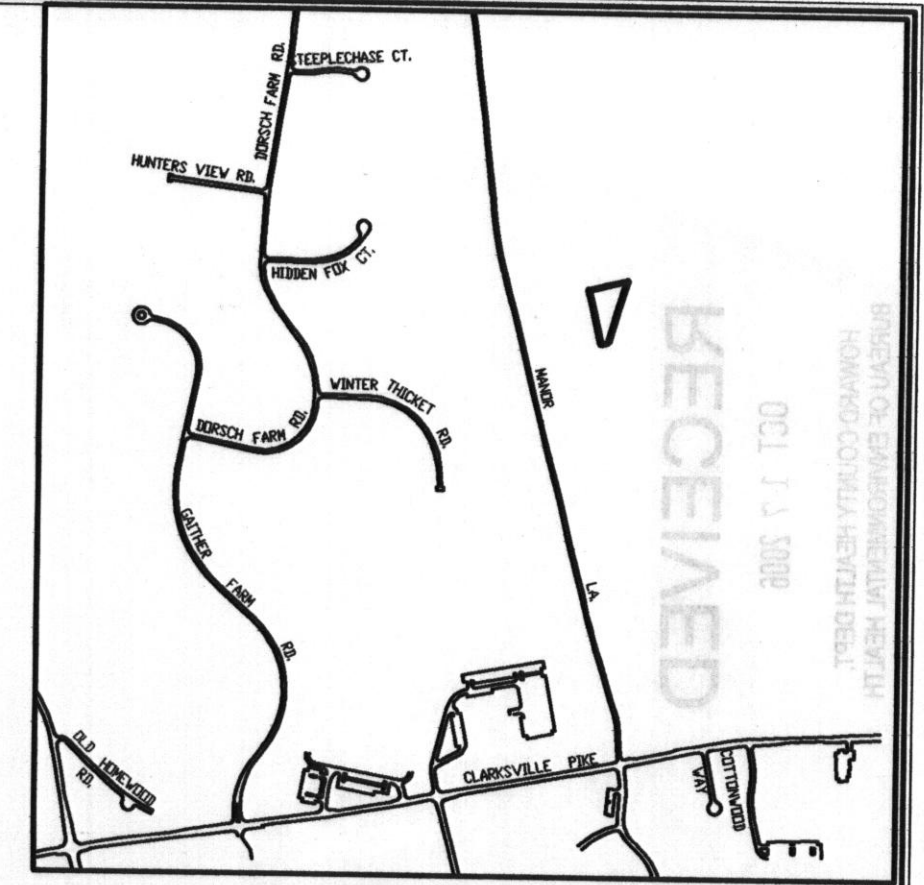
**LEGEND**

- EXISTING 2' CONTOURS
- - - EXISTING 10' CONTOURS
- EXISTING TREE LINE
- GLB2 MLC2 SOIL LINES AND TYPES
- ⊙ DENOTES PROPOSED WELL
- DENOTES FAILED PERC
- DENOTES PASSED PERC
- ⊕ DENOTES PROPOSED PERC
- ▭ DENOTES PROPOSED HOUSE
- ▨ DENOTES 15%-24.9% SLOPES
- ▩ DENOTES 25% AND GREATER SLOPE

PARCEL 80  
OTS KETTERMAN  
DIXIE KETTERMAN  
LIBER 926, FOLIO 594

PARCEL 6  
JOHN H. HOMENS, JR. AND  
KARAN LYNN HOMENS, x 446.47  
LIBER 1769, FOLIO 374 Clean Out

PARCEL 8  
DUANE F. ALEXANDER AND MARIANNE E. ALEXANDER  
LIBER 4747, FOLIO 457  
SAVE AND EXCEPT  
a) Liber 172, folio 21  
b) Liber 189, folio 30  
c) Liber 190, folio 293  
d) Liber 194, folio 86



**VICINITY MAP**  
SCALE: 1" = 1200'

**GENERAL NOTES:**

1. THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF 8,952 SQUARE FEET AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWERAGE EASEMENT. RECORDATION OF A MODIFIED SEWERAGE EASEMENT SHALL NOT BE NECESSARY.
2. ADJUSTMENTS TO SEPTIC EASEMENT AREA IS NOT PERMITTED WITHOUT ADDITIONAL TESTING.
3. THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
4. EXISTING WELLS AND/OR SEWERAGE EASEMENTS WITHIN 100 FEET OF THE PROPERTY HAVE BEEN SHOWN FROM THE BEST AVAILABLE INFORMATION.
5. ALL HOUSE SITES SHOWN COMPLY WITH MINIMUM BUILDING RESTRICTION REGULATIONS.
6. ALL WELLS SHALL BE DRILLED PRIOR TO BUILDING PERMIT. IT IS THE DEVELOPER'S RESPONSIBILITY TO SCHEDULE THE WELL DRILLING PRIOR TO BUILDING PERMIT. IT WILL NOT BE CONSIDERED "GOVERNMENT DELAY" IF THE WELL DRILLING HOLDS-UP THE HEALTH DEPARTMENT SIGNATURE PRIOR TO BUILDING PERMIT.
7. TOPOGRAPHY SHOWN IS FROM HOWARD COUNTY GIS TOPOGRAPHY AT 5' CONTOUR INTERVAL INTERPOLATED FOR 2' CONTOUR INTERVAL.
8. BOUNDARY OUTLINE BASED FIELD SURVEY BY FISHER, COLLINS & CARTER, INC.
9. DEED REFERENCE LIBER 9243 FOLIO 214.
10. EXISTING HOUSE IS TO BE RAZED PRIOR TO BUILDING PERMIT APPROVAL, UNLESS APPROVAL HAS BEEN GRANTED BY THE HEALTH DEPARTMENT FOR THE HOUSE TO BE RAZED PRIOR TO THE ISSUANCE OF THE USE AND OCCUPANCY PERMIT.
11. EXISTING SEPTIC SYSTEM MUST BE PROPERLY ABANDONED PRIOR TO BUILDING PERMIT APPROVAL, UNLESS APPROVAL HAS BEEN GRANTED BY THE HEALTH DEPARTMENT FOR EXISTING HOUSE TO BE RAZED PRIOR TO THE ISSUANCE OF THE USE AND OCCUPANCY PERMIT.
12. EXISTING WELL TO BE PROPERLY ABANDONED PRIOR TO BUILDING PERMIT APPROVAL.
13. UNEQUAL LENGTH TRENCHES WITHIN THE SEPTIC EASEMENT WILL REQUIRE A LOW PRESSURE DOSE SYSTEM.

LIBER 320, FOLIO 440  
TAX MAP 28, GRID 5, PARCEL 7  
GRANTOR: T. HUNT MAYFIELD ADMINISTRATOR OF THE ESTATE OF LOLA M. MORGRET, DECEASED.  
GRANTEE: HERBERT M. COLBURN AND MARIAN B. COLBURN

**PERC CERTIFICATION**  
I certify that the locations shown hereon are based on field locations done under my direct supervision and are correct to the best of my professional knowledge and belief.  
*Terrell A. Fisher*  
Signature of Professional Land Surveyor  
Terrell A. Fisher, Professional Land Surveyor No. 10692  
10/16/06  
Date

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS,  
HOWARD COUNTY HEALTH DEPARTMENT.  
*Robert J. Walter*  
COUNTY HEALTH OFFICER  
10/27/06  
DATE

SOILS LEGEND		
SOIL	NAME	CLASS
EkB2	Eliok silt loam, 3 to 8 percent slopes, moderately eroded	B
ChB2	Chester silt loam, 3 to 8 percent slopes, moderately eroded	B

- NOTES:**
- \* Hydric soils and/or contains hydric inclusions
  - \*\* May contain hydric inclusions
  - † Generally only within 100-year floodplain areas

**PERC CERTIFICATION PLAT**  
**4655 MANOR LANE**

TAX MAP \*29  
SECOND ELECTION DISTRICT  
SCALE: 1" = 30'  
A522941

PARCEL: 107  
HOWARD COUNTY, MARYLAND  
DATE: OCTOBER 12, 2006

**FISHER, COLLINS & CARTER, INC.**  
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE  
ELLCOTT CITY, MARYLAND 21042  
410 461 - 2955

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Vladimir Blyukher  
4655 Manor Lane  
Ellicott City, MD 21042  
(410)517-2693  
E-mail: arzamas16@hotmail.com

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March 29, 2006

Mr. Mike Davis  
Bureau of Environmental Health  
7178 Columbia Gateway  
Columbia, MD 21046

Dear Mr. Davis,


My name is Vladimir Blyukher. I have bought the property on 4655 Manor Lane. Tax Map: 29 Grid: 5 Parcel: 107. The house that is standing on that property right now is 46 years old. It is in a very bad condition and is not big enough for my family which has five members in it. The size of the house is 846sq.ft.

I would like to build a new three-bedroom log house on that property and use the existing house as a work house (shed). I am aware of the regulations for the 10,000 square-foot disposal area and I am very limited in my options for that space. The land that I can use for that area is 9,300 square-feet (this area is drawn in red pen on the map that I sent you along with this letter).

Due to the limited amount of space that I have to use for that area, there are two options that I thought might work to make up for the 700 square-foot space. One option is to extend the 9,300 square-foot area closer to the property line (shown on the map with the dotted design). Second option is to extend it closer to the well of 4713 Manor Lane (shown on the map with the grid drawn in pencil). In the second option, once we extend it, the distance to the well of 4713 Manor Lane will be 180 feet. In my opinion, since the land is very flat in that area and not steep at all (you can see that on the topography map), the disposal water will not flow towards the well of 4713 Manor Lane, and instead flow to the East.

Please look over my two proposals and if you disagree, let me know what I can do and what options I have to make this work. Thank you for your time and understanding.

Sincerely,



Vladimir Blyukher