



APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____ A/P 527220
 AGENCY REVIEW: _____ DATE 6/15/07

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 5 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) KAREN HENSEL

DAYTIME PHONE 301-688-9910 ^{mtwth} CELL 410-489-6544 ^F (home) FAX _____

MAILING ADDRESS 740 MIDDLETRAIL COURT MOUNT AIRY MD 21771
STREET CITY/TOWN STATE ZIP

APPLICANT KAREN HENSEL

DAYTIME PHONE 301-688-9910 CELL _____ FAX _____

MAILING ADDRESS 740 MIDDLETRAIL COURT MOUNT AIRY MD 21771
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION
SUBDIVISION/PROPERTY NAME MIDDLETRAIL LOT NO. 15 B

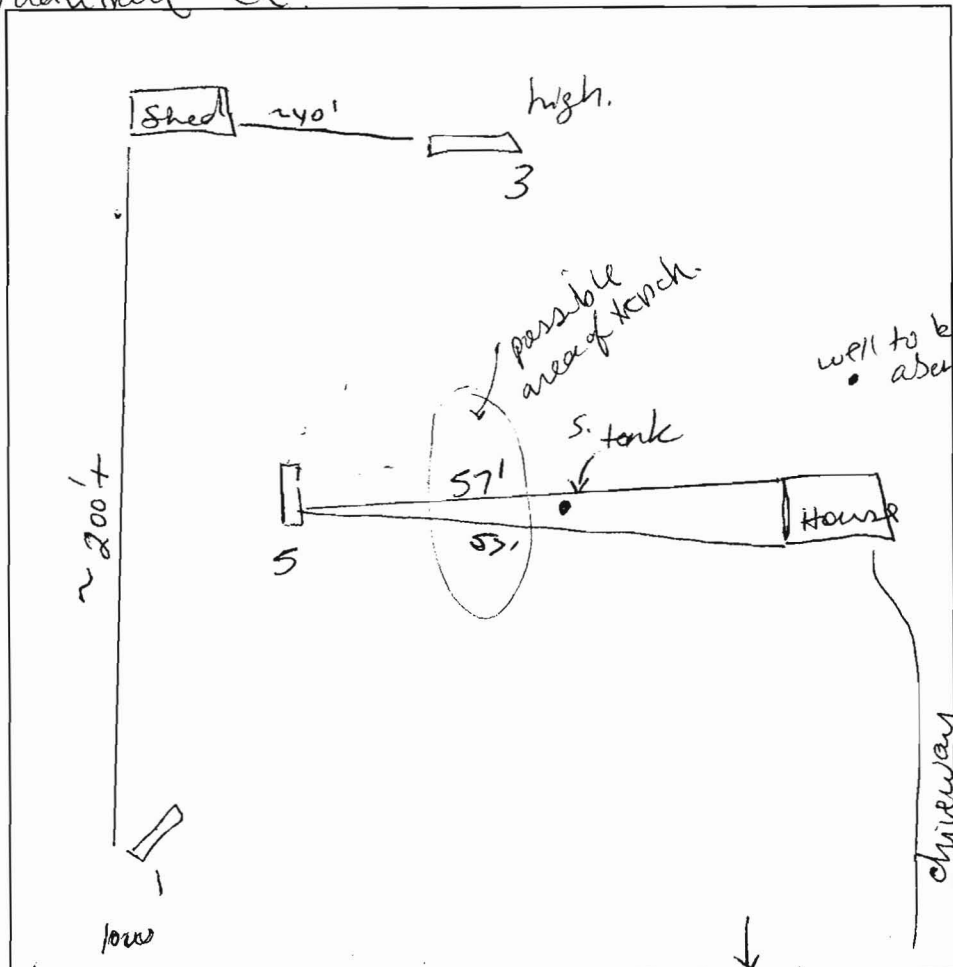
PROPERTY ADDRESS 740 MIDDLETRAIL COURT MOUNT AIRY
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) _____ GRID _____ PARCEL(S) _____ PROPOSED LOT SIZE 1.273 ac

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. Karen L. G. Hensel
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



3
brown medium sbk
21' Strong brown silt sbk
2' branny yellow soil sg. *20% spherulite*
5' multicolored (pale red, branny yellow, pale brown) sil sg.
6 1/2' 45% spherulite
14' 1
brown & sbk dry medium gravelly
2' Strong brown silt sbk, 45% spherulite, 10% cobbles/gravels.
4 1/2' multicolored medium sil 45% spherulite w/ 10% cobbles/gravels
14'

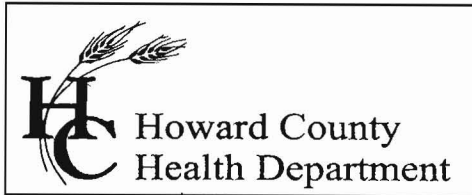
DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
6/28/07	3	5' 14"	9:34	9:44	9:58	14	P
	1	5' 14"	9:56	10:03	10:09	6	P
			2 min @ bottom		5 gal bucket		
	5	5' 14"	10:18	10:27	10:44	17	P
			~2 min @ bottom		5 gal bucket		

5
brown & medium sbk gravelly
18" Strong brown silt m
2 1/2' brown heavy sil sg. 35% spherulite channely
45' multicolored (pale red, brown, branny yellow) sil sg. 35% spherulite
5' 8" 45% spherulite w/ 10-15% channely frags.
11 1/2"

* Soil was consistent
REMARKS dug per plan ~ holes ~ location of original tests.
SANITARIAN SF BACKHOE JM Contracting OTHERS
TEST HOLES USED IN SDA _____ AVG. PERC TIME 9.6 SQ. FT/BR 0.8
TRENCH WIDTH 2 INLET DEPTH 3 MAX. BOT DEPTH 8 EFFECTIVE SAW 5 EA

$$\frac{5 \times 150}{0.8} = \frac{937.5}{2} = 468.7 \times .44 = 206$$

5 bedrooms, 3' sidewalk



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

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

July 9, 2007

Karen Hensel
740 Middletrail Court
Mount Airy, Maryland 21771

RE: PERCOLATION TEST RESULTS –
A#527220
740 Middletrail Court

Dear Ms. Hensel,

Percolation testing conducted June 28, 2007 on the referenced property indicated satisfactory soil conditions. Copies of the test results are enclosed. In addition to the required percolation certification plan requirements described below, the well located in the backyard must be properly abandoned by a licensed well driller prior to building permit approval.

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

- 1) Actual locations of all excavated test holes and original test holes
- 2) Existing house site, other structures, and driveway location
- 3) Existing property lines
- 4) Existing well locations and septic location. Indicate well in the backyard to be abandoned.
- 5) Location of the original septic area and the modified area
- 6) Description of use and intent designated for existing structures and systems, e.g. 'to remain' or 'to remove.'
- 7) A note must be included certifying that all existing wells and septic systems within 100 feet of property boundaries have been shown
- 8) A note stating the engineer used all reasonable efforts to find the location of all surrounding wells and septic systems
- 9) Topography needs to be shown at 2 foot contour intervals and a note certifying it was from Howard County
- 10) MDE sewage disposal area statement
- 11) MDE minimum lot width statement
- 12) Add a note stating "Existing well (include the tag number) will be abandoned prior to building permit approval"
- 13) Include the statement, "Any changes to a private sewage easement shall require a revised perc certification plan"
- 14) 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
- 15) A health officer signature block stating "approved for private water and private sewer systems."
- 19) 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."
- 20) 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

- 21) Name, address and telephone number of each owner, developer and the plan author.
- 22) 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)


Also, as a reminder, the current septic system must be upgraded to accommodate the proposed addition prior to building permit approval. With your submittal, please include the field plan I left for you after testing was completed on 6/28/07. If you have any questions regarding this matter, please contact me at the above address or by calling (410) 313-4261.

Sincerely,









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

Enclosures

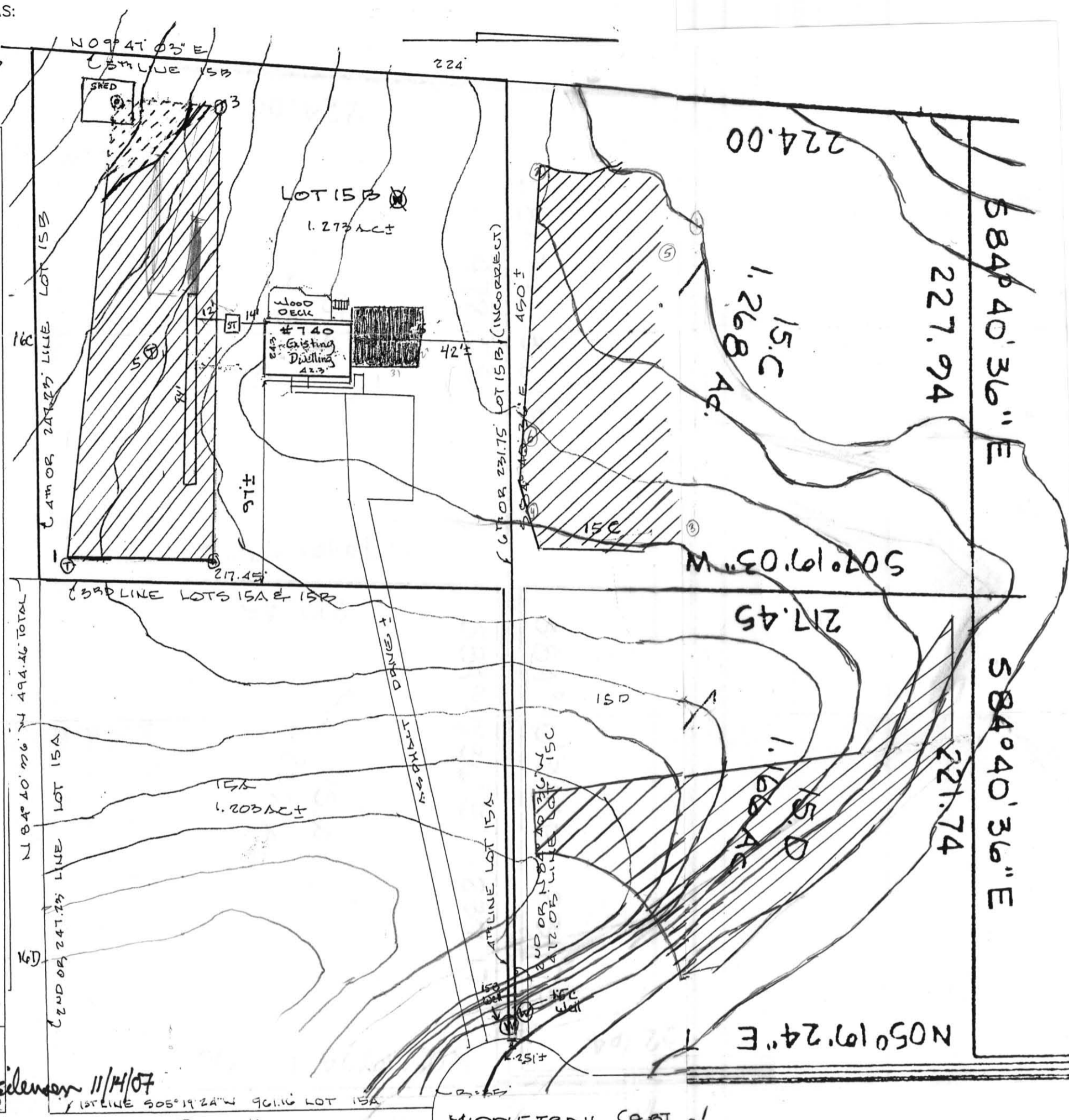
PROPERTY KNOWN AS:
 LOT 15 B
 4TH ELECTION DIST.
 HOWARD COUNTY, MD

NOTES - PERC CERT PLAN A#527220
 1. SITE ADDRESS: 740 MIDDLETRAIL COURT, MOUNT AIRY, MD 21771
 2. ANY CHANGES TO A PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION PLAN.
 3.  THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED. THIS EASEMENT SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A REVISED SEWAGE EASEMENT SHALL NOT BE NECESSARY.
 4. THE LOT(S) SHOWN HEREON COMPLIES/COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT.
 5. TOPOGRAPHY DRAWN IS FROM HOWARD COUNTY GIS.
 6. ALL EXISTING WELLS, SEPTIC SYSTEM AND SEWAGE DISPOSAL EASEMENTS WITHIN 100 FEET OF PROPERTY BOUNDARIES ARE NOTED. ALL REASONABLE EFFORTS WERE USED TO FIND THE LOCATION OF ALL SURROUNDING WELLS AND SEPTIC SYSTEMS.
 7. EXISTING WELL HO-73-3957 TO BE ABANDONED PRIOR TO BUILDING PERMIT APPROVAL.
 8. I CERTIFY THAT THE INFORMATION SHOWN HEREON IS BASED ON FIELD WORK PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION, AND IS CORRECT, TO THE BEST OF MY KNOWLEDGE AND BELIEF.

OWNER/PLAN AUTHOR SIGNATURE:
Karen L. Hensel
 KAREN L. HENSEL DATE: 7/11/07
 740 MIDDLETRAIL COURT
 MOUNT AIRY, MD 21771
 410-489-6544


- LEGEND**
- * ORIGINAL PASSED PERC TEST HOLES, NOT RETESTED 
 - * ORIGINAL PASSED PERC TEST AND NEWLY EXCAVATED TEST HOLES 
 - * PRIVATE SEWAGE EASEMENT 
 - * ORIGINAL SEWAGE EASEMENT NO LONGER CONSIDERED 
 - * EXISTING STRUCTURES TO REMAIN 
 - * PROPOSED ADDITION 
 - * EXISTING WELL HO-73-4123 TO REMAIN 
 - * WELL HO-73-3957 TO BE ABANDONED 

APPROVED FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS.



B. Nelson for Peter Bruleman 11/14/07
 Health Officer Date

LOCATION DRAWING Percolation Certification Plan 7/11/07
 MIDDLETRAIL COURT PLAT No. 11012

CERTIFICATION	SEAL	SCALE 1"=50' DATE 7-6-05
This is to certify that I have surveyed the property known as: <u>740 MIDDLETRAIL COURT</u> The information shown has been established by current acceptable survey procedures and from available record information. This drawing is to be used for Title Transfer Financing, or Refinancing Only and IS NOT to be used for the Establishment of Property Lines, Location for Fences, Garages, Buildings, or other Existing or Future Improvements.	 <i>Walter Park</i>	LDE Inc. 9250 Rumsey Road Suite 106 Columbia, Maryland 21045 (410) 715-1070 (Balt.) (301) 596-3424 (Wash) (410) 715-9540 (Fax)