

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 16, 2006

Robert Fischell
14600 Viburnam Drive
Dayton, Maryland 21036

RE: PERCOLATION TEST RESULTS – A525108
14600 Viburnam Dr.

Dear Dr. Fischell:

Percolation testing conducted June 16, 2006 on the referenced property indicated satisfactory soil conditions. Copies of the test results are enclosed. Additional septic reserve area was established to replace the portion being removed by the proposed home addition. Along with the percolation certification requirements explained below, a septic upgrade is required prior to building permit approval. This upgrade will involve installing an additional trench to your current system. Please have your contractor apply for a septic permit with our office.

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) Location of existing home including the addition.
- 3) Location of the existing well, septic tank, trenches, and sewage disposal area.
- 4) Location of the modified sewage disposal area.
- 5) Locations of any other relevant features such as streams, swales, existing structures, or propane tanks.
There is a 10 foot setback between a sewage disposal area and propane tanks.
- 6) A note must be included certifying that all existing wells and septic systems within 100 feet of property boundaries have been shown
- 7) A note indicating that depicted topography reflects field-matched information
- 8) A health officer signature block stating "approved for private water and private sewer systems"
- 9) A MDE sewage disposal area statement is required
- 10) MDE minimum lot width statement
- 11) Include A# in the title block

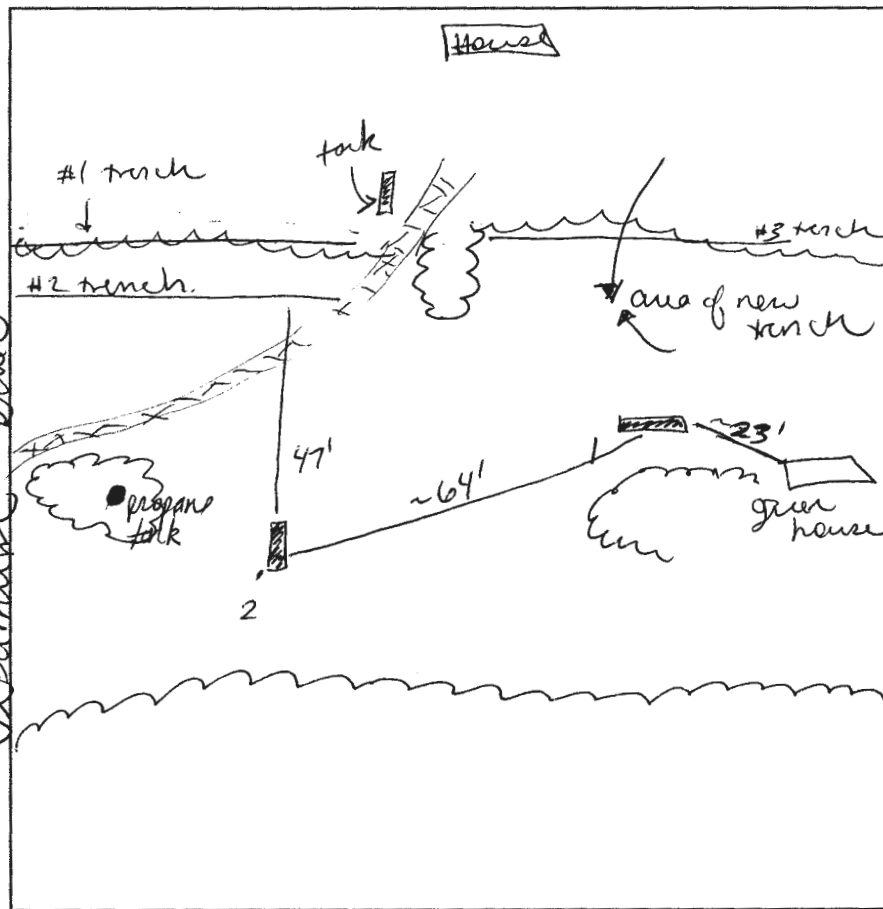
If you have any questions regarding this matter, please contact me at the above address or by calling (410) 313-1771.

Sincerely,

Sara Fegel
Well and Septic Program
Development Coordination Section

SF
Enclosures

Cc: T.W. Boys Co. Inc.
Shanaberger and Lane



①
brown L
M
1'
brown
silt m
micaceous
5'
brown
silt
sl. platy coarse
micaceous
cw
14'
fine rock
no H₂O

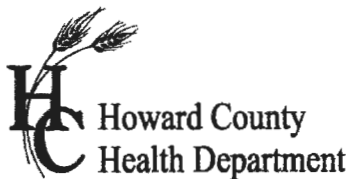
Triadelphia Mill

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
6/16/05	1	5' / 14'	9:53 ⁰³	9:55 ⁵⁰	9:55 ⁵⁸	2	P
	2	4'5" / 14'	10:51"	10:53 ³⁹	10:58 ¹⁵	5	P

②
dark brown
L
light red
5% gravel
fine silt
micaceous
4'
reddish yellow
fine silt
cw
10' - 5% gravel
14' - spongy
no H₂O

REMARKS Need to site propane tank near hole #2 = SDA needs to be
 SANITARIAN SF BACKHOE John Goodman OTHERS 'Nib' Perring 10' away.
 TEST HOLES USED IN SDA _____ AVG. PERC TIME 3.5 SQ. FT/BR 180
 TRENCH WIDTH 3 INLET DEPTH 3 MAX. BOT DEPTH 7 EFFECTIVE SW 5

Need to add 40' min of trench. If more
 can be added w/ 20' setback to greenhouse ~~at~~
 increase length. original system functioning okay.



APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____

QIP 525108

AGENCY REVIEW: _____

DATE 6/15/06

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 6 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) ROBERT E. FISCHELL

DAYTIME PHONE 301 854-0606 CELL _____ FAX _____

MAILING ADDRESS 14600 VIBURNAM DR. DAYTON MD 21036
STREET CITY/TOWN STATE ZIP

APPLICANT T. W. BOYS CO. INC.

DAYTIME PHONE 410 489-6570 CELL 301 641-3173 FAX 410 489-6571

MAILING ADDRESS 14777 ADDISON WAY WOODBINE MD 21797
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION
SUBDIVISION/PROPERTY NAME KALMIA FARMS LOT NO. 1

PROPERTY ADDRESS 14600 VIBURNAM DR. DAYTON
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 27 GRID 16 PARCEL(S) 22 PROPOSED LOT SIZE 7.06 ACRES

AS APPLICANT, I UNDERSTAND THE FOLLOWING: THE SYSTEM INSTALLED SUBSEQUENT TO THIS APPLICATION IS ACCEPT-

ABLE 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




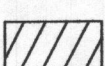

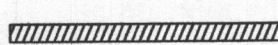
"MISS UTILITY" REQUIREMENTS. APPROVAL IS BASED UPON SATISFACTORY REVIEW OF A PERC CERTIFICATION PLAN.

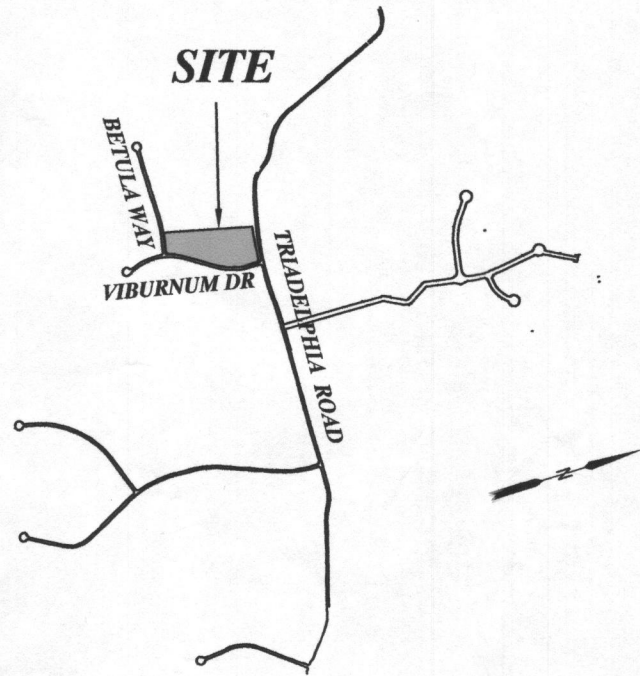
TEST RESULTS WILL BE MAILED TO APPLICANT.

Harvey G. Pirawie, Jr.
SIGNATURE OF APPLICANT

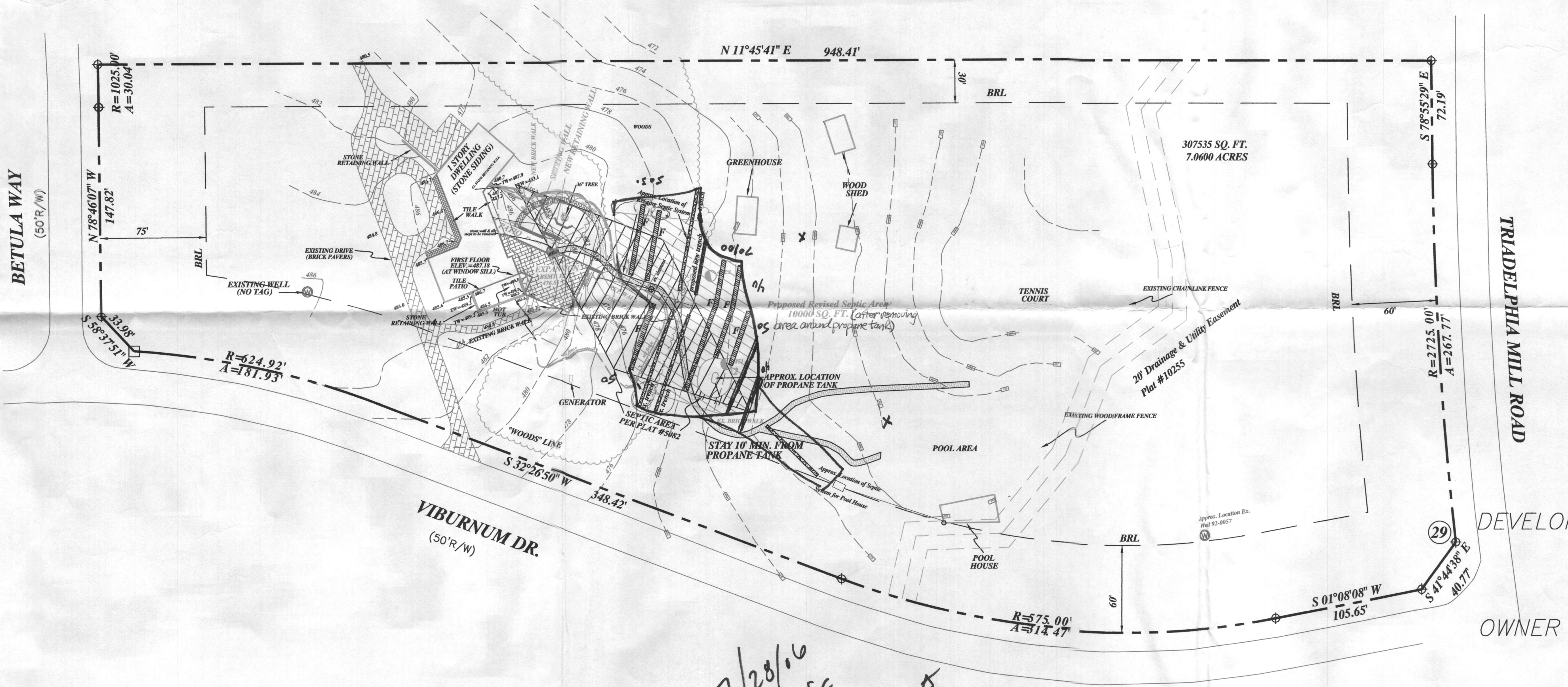
HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM
7178 COLUMBIA GATEWAY DRIVE COLUMBIA, MARYLAND 21046 (410) 313-2640 FAX (410) 313-2648
TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH

NOTES:


1. THE TOPOGRAPHY SHOWN HEREON WAS FIRLD-RUN BY SHANABERGER & LANE IN FEBRUARY, 2006. A BOUNDARY SURVEY WAS PERFORMED AT THE SAME TIME.
2. B.R.L. DESIGNATES BUILDING RESTRICTION LINE
Ⓜ DESIGNATES EX. WELL
3.  THIS AREA DESIGNATES A PRIVATE SEWAGE DISPOSAL AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED. THIS DISPOSAL AREA SHALL BECOME NULL & VOID UPON CONNECTION TO A PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE DISPOSAL AREA.
4. THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP AND LOT AREA AS REQUIRED BY THE MD STATE DEPARTMENT OF THE ENVIRONMENT.
5. SUBJECT PROPERTY ZONED: RR-DEO
6. TOTAL PROPERTY AREA PER BOUNDARY SURVEY: 7.0600 ACRES±
7. THE EXISTING PROPERTY IS SERVED BY PRIVATE WATER AND SEWER.
8. ALL VISIBLE EXISTING WELLS & SEPTIC AREAS WITHIN 100' OF THE PROPERTY LINES HAVE BEEN SHOWN.
9. LIMIT OF DISTURBANCE: 10142 S.F.± DESIGNATED: 
10. 486.7+ DESIGNATES SPOT ELEVATION
11.  DESIGNATES WOODS LINE
12. BENCHMARK: COUNTY TRAVERSE POINT 27FA - ELEV. 496.454
13. BENCHMARKS SET:
TRAVERSE #6 - REBAR SET - ELEV. 475.03
TRAVERSE #5 - REBAR SET - ELEV. 484.37
14.  THIS AREA DESIGNATES A PRIVATE SEWAGE DISPOSAL AREA AS SHOWN ON PLAT #10255.
15.  DESIGNATES APPROVED PERC TEST
16.  DESIGNATES FUTURE SEPTIC SYSTEM TRENCHES



VICINITY MAP
SCALE: 1" = 2000'



APPROVED:
FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS.
HOWARD COUNTY HEALTH DEPARTMENT

COUNTY HEALTH OFFICER  DATE

PERC CERTIFICATION PLAT
LOT 1, SEC. 2, KALMIA FARMS

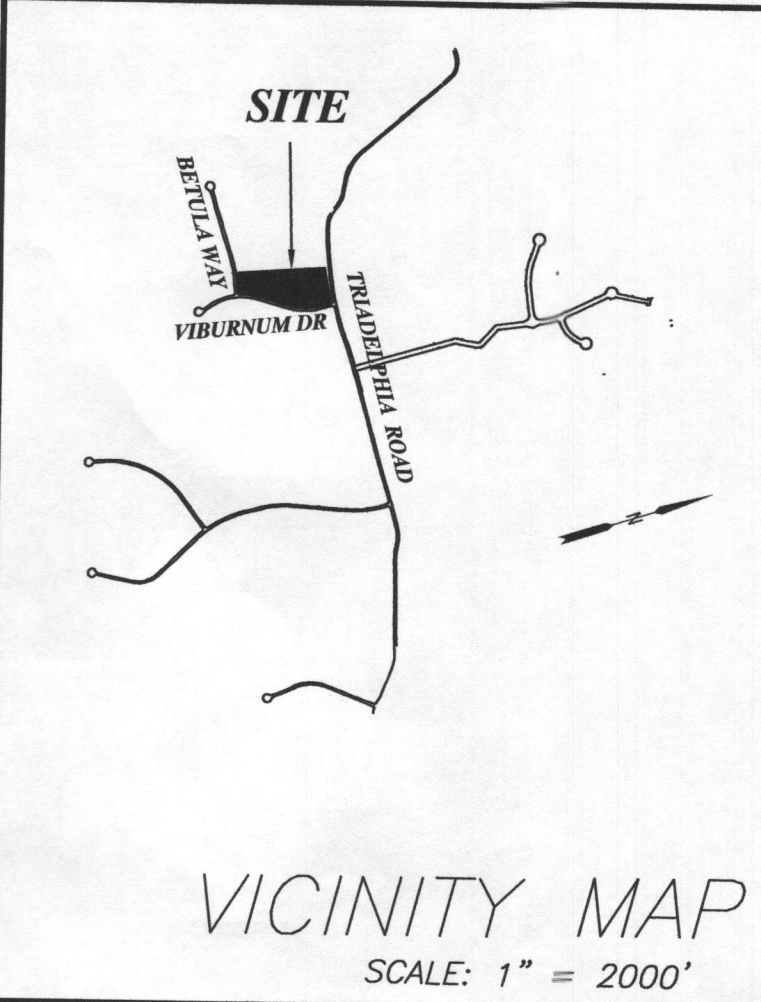
PLAT #10255
DEED REFERENCES: 1115/149, 3430/533
5TH ELECTION DISTRICT, HOWARD COUNTY, MD

SHANABERGER & LANE

PERC CERTIFICATION

NOTES:

1. THE TOPOGRAPHY SHOWN HEREON WAS FIRLD-RUN BY SHANABERGER & LANE IN FEBRUARY, 2006. A BOUNDARY SURVEY WAS PERFORMED AT THE SAME TIME.
2. B.R.L. DESIGNATES BUILDING RESTRICTION LINE
⊙ DESIGNATES EX. WELL
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APPROVED:
FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS.
HOWARD COUNTY HEALTH DEPARTMENT

COUNTY HEALTH OFFICER
8/7/06
DATE

SHANABERGER & LANE
8726 TOWN & COUNTRY BLVD.
SUITE 201
ELLICOTT CITY, MD. 21043
PHONE: 410-461-9563
FAX: 410-461-9693
email: home@shanlane.com

PERC CERTIFICATION

I CERTIFY THAT THE LOCATIONS SHOWN HEREON ARE BASED ON FIELD-LOCATIONS DONE UNDER MY SUPERVISION, AND ARE CORRECT TO THE BEST OF MY PROFESSIONAL KNOWLEDGE AND BELIEF.

G. SCOTT SHANABARGER
PROFESSIONAL LAND SURVEYOR
DATE

PERC CERTIFICATION PLAT
LOT 1, SEC. 2, KALMIA FARMS

PLAT #10255
DEED REFERENCES: 1115/149, 3430/533
5TH ELECTION DISTRICT, HOWARD COUNTY, MD
TAX MAP 27 GRID 16 PARCEL 22
ZONED: RR-DEO
SCALE: 1"=50' DATE: JUNE 22, 2006
DATE OF LATEST FIELD WORK: JUNE 20, 2006
A 525108 REV. JUNE 29, 2006 AND JULY 28, 2006

87134PercCert.dwg

SIGNED PERC CERT