

\$500



RECEIVED
HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH
JUN 2 PM 3:14

APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____

AP 533269

AGENCY REVIEW: _____

DATE 6/2/10

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:

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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 unknown 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 L. MERKLE et al

DAYTIME PHONE 443-605-8980

CELL 443-605-8980

FAX _____

MAILING ADDRESS #1950 Woodstock Road Woodstock MD 21163
STREET CITY/TOWN STATE ZIP

APPLICANT DALD RANSOME - LAND SURVEYOR

DAYTIME PHONE 410-207-8358

CELL 410-207-8358

FAX _____

MAILING ADDRESS 204 R. OGB AVE. Towson MD 21286
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION

SUBDIVISION/PROPERTY NAME REAR OF #1950 WOODSTOCK ROAD LOT NO. PARCEL 1.225 AC.

PROPERTY ADDRESS #1950 REAR WOODSTOCK ROAD WOODSTOCK, MD 21163
STREET TOWN/POST OFFICE

AX MAP PAGE(S) 10 GRID 24 PARCEL(S) 206 PROPOSED LOT SIZE 1.225 AC.

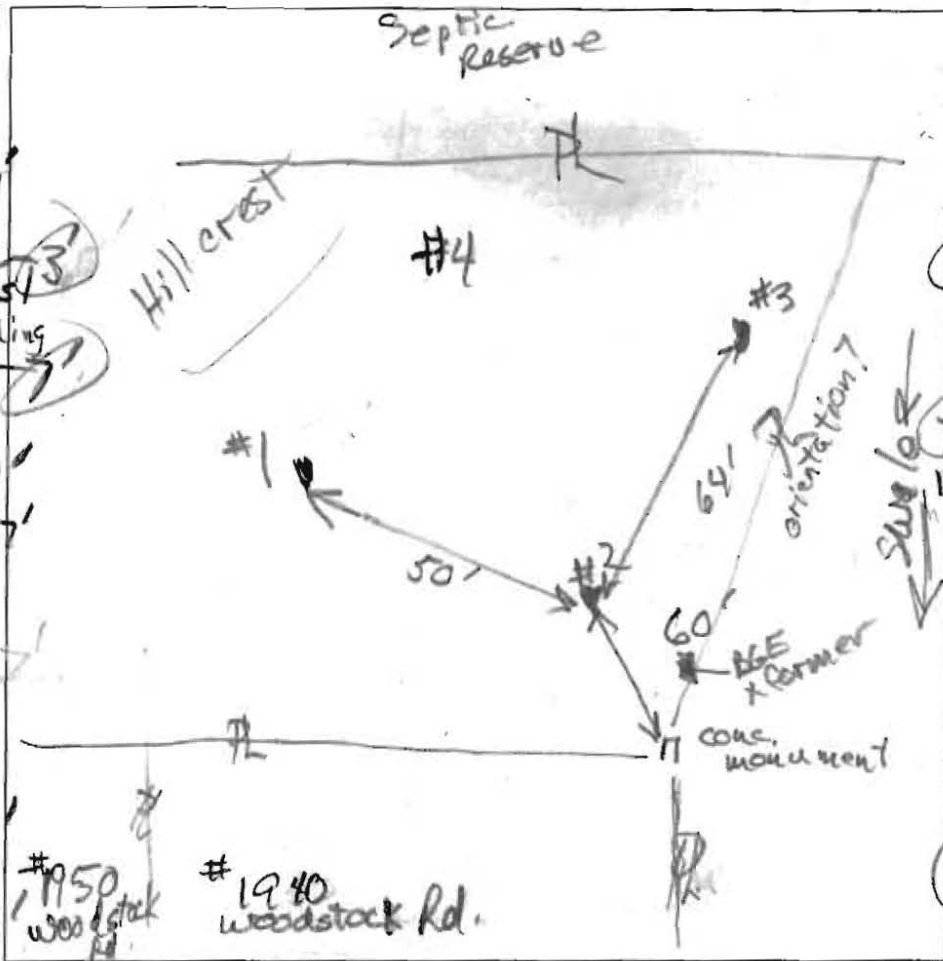
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EST RESULTS WILL BE MAILED TO APPLICANT.

SIGNATURE OF APPLICANT

HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM
7178 COLUMBIA GATEWAY DRIVE COLUMBIA, MARYLAND 21046 (410) 313-1771 FAX (410) 313-2648
TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH

AP 533269

Septic Reserve



①
dk brn loam
2v & 2lgr 0.7'
brn scl
1sbk, c. mica
yellow & brn
thin dk grey banding
red fs/
micaceous
red lfs
12.7'

②
dk brn loam
2v & 2lgr 0.7'
brn scl
2fsbk 2.8'
brn fs/
micaceous
red fs/
many mica
brn, gsl
15% quartz
quartz gravel
layer
to pale yellow
micaceous
fs/
pale yellow
ls 12.6'

③
dk brn loam
2v & 2lgr
brn scl
1sbk
yel-red fs
micaceous
tan sl
w/ fine layers
white sand
few quartz
few
red sl
ct. Mt
13'

④
dk brn loam
few gravel (gts)
brn scl
yel-red
yel-brn scl
few boulders
& stones
few dk grey
mica stratig
to red-yel
sl, micaceous
tan & brn
sl w/ thin
layers white
sand
10% quartz
12.6'

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
11/9/2010	1	5.2 12.7	Ø	3.3	9.6	6.3	P
11/9/2010	3	5.7 13	Ø	1.7	3.7	2	P
11/9/2010	4	5.6 13.5	Ø	5	12	7	P
11/9/2010	2	3.8 12.6	Ø	1.5	3.5	2	P

REMARKS micaceous saprolites below sel layer / sandy sand at depth
 SANITARIAN FB BACKHOE Jasen OTHERS M. Johnson D. Pansone
C. Lam A. LaSica
 TEST HOLES USED IN SDA 1,2,3,4 AVG. PERC TIME Initial 6.5 repair 2 SQ. FT/BR 187.5
 TRENCH WIDTH 2 INLET DEPTH 2'-4' MAX. BOT DEPTH shallow EFFECTIVE SW variable
as possible



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

November 19, 2010

TO: Dave Ransone, Land Surveyor, Applicant
Email: DRANSONE@YAHOO.COM

FROM: Robert Bricker, CPSS, R.S./R.E.H.S.

RE: Percolation Test Results (A533269), Merkle Property, TM 10-Parcel 206, ID#03-291278

Dear Mr. Ransone,

Percolation testing was conducted on the referenced property on November 9, 2010. Four soil profiles were observed and standard percolation tests were conducted in all four test pits. Percolation Test Results and profile observations indicate soils conditions that are satisfactory for onsite wastewater disposal. Subsequently, the area of the subject property represented by these observations may be proposed as a septic reserve area for a new single family dwelling. Field data collected are shown on the Percolation Test Results Worksheet. Recommendations for the type of septic system and the distribution design are based on observed soils properties and characteristics at the respective pit locations as well as the particular soils materials tested.

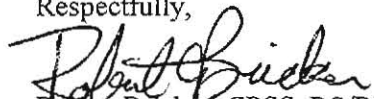
The soils tested have fine sandy loam and loamy fine sand parent materials, both mixed and in alternating layers that dip. The loamy fine sand texture is dominant in the saprolite deeper than 9 feet. The uppermost proposed septic reserve area has a moderate rate of percolation, and the remaining area has a moderately rapid rate of percolation.

Further consideration for development on Parcel 206 requires that a Percolation Certification Plan be submitted and approved. Please see the plan content requirements sent previously. Include the Building Restriction Limits and the accurate locations of all existing wells, septic systems and septic reserve areas within 100 feet of the parcel.

A well must be drilled for the subject property, and the Well Completion Report approved by the Health Department, prior to Health Department approval of a Building Permit Application for development of the property. The Well Permit Application may be considered after the Approving Authority signs the Percolation Certification Plan. A note will be included on the plan as follows: THE WELL SHALL BE DRILLED AND THE WELL COMPLETION REPORT APPROVED BY THE HEALTH DEPARTMENT PRIOR TO BUILDING PERMIT APPROVAL.

If you have any questions regarding the soil evaluation, or the requirements stated above, please contact me at the above address or by calling (410) 313-2691.

Respectfully,


Robert Bricker, CPSS, RS/REHS
Well and Septic Program
Development Coordination Section

Enclosure: Percolation Test Worksheet

Copy: Karen L. Merkle et al, owners
File

\$ 500



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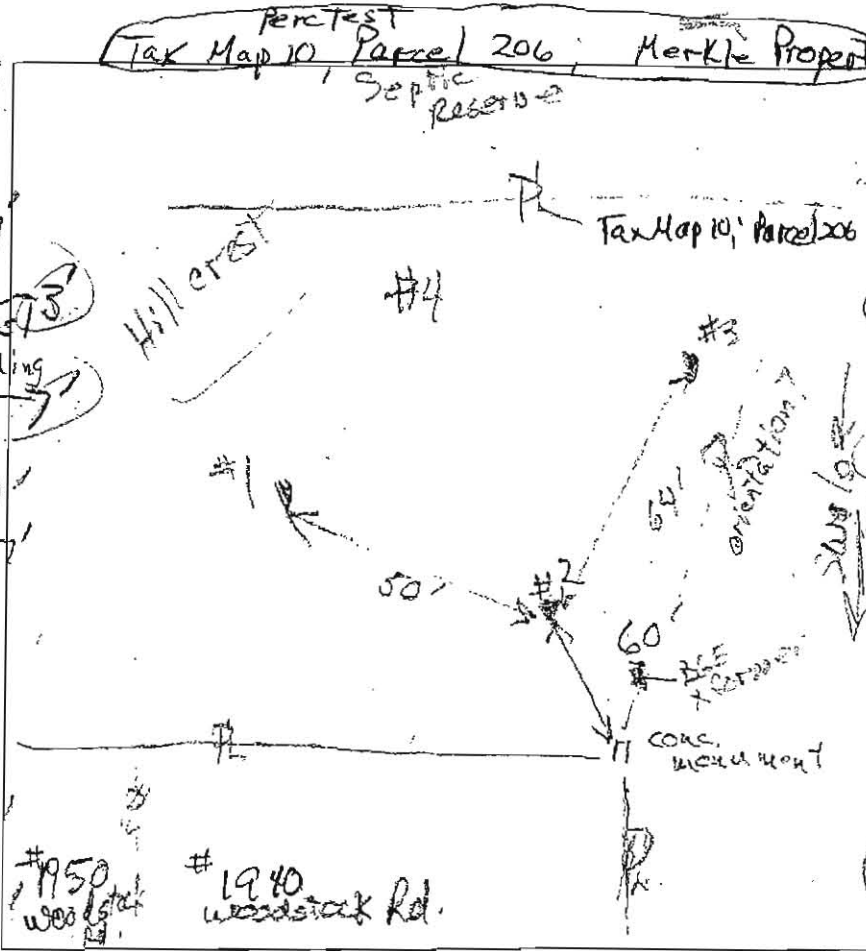
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OK for you
W. R.

dk brn loan w/ 1 fgr	0.7
brn sel 1 sbk, c, mica	
yellow & brn c fine dk grey, band	
red fl mica ceous	
red. lfs	9 127

AK bark 10cm 2 x 45gr	0.7
bark sel 2 x 6bk	28
bark fsl microscopic	4
red fsl many mic	7
bark, 50 10 ² parts	

quartz gravel
to pale yellow
micaceous
fs 11'
pale yellow
ls 12.6'



23	ck brn scl 15bk	34 u
4	yel-red fl micaaceous	
	tans sl w/ fine layers white sand few quartz trace	few Mn carbon
12	red sl	
13	ct. Mn+	

4
dk. bro km
fine grained
brn. sh. ch
no. sed
1/2" - 1/4" ch
2" boulders
12" ch
pewdkare
mica strata
to calcareous
sl. micaceous
brn. sh. km
sl w/ thin
laminar white
faded
into quartz

[illegible]

REMARKS Micaceous saprolites below sel layer / 10amp sand at depth D. Johnson
SANITARIAN Pb BACKHOE Jasan OTHERS C. Loya A. LaSalle
TEST HOLES USED IN SDA 1234 AVG. PERC TIME Initial 6.5
per 1 sq. ft/br 187.5
TRENCH WIDTH 2 INLET DEPTH 2'-4' MAX. BOT DEPTH shallow EFFECTIVE S/W variable
as possible

Notes:

1. Topography shown hereon has been field verified. Ground elevations at test sites shown hereon are field run elevations. Topography checked 5-27-10.
2. Any changes to a private sewage easement shall require a revised percolation certification plan.
3. The area designated hereon as "Private Sewage Easement" is a private sewage easement 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 Private Sewage Easement as shown hereon for the subject property is about 9,000 square feet and the limitation of area shown may result in a limitation in the number of bedrooms in a future residence or a requirement for pretreatment.
5. The WELL for the subject property shall be drilled and the well completion report approved by the Health Department prior to building permit approval.
6. Existing wells, septic systems, and sewage disposal areas within 100' of the property and those wells within 200' and down-gradient of existing or proposed septic systems or sewage disposal areas have been shown.
7. The parcel shown hereon complies with the minimum ownership width and lot area as required by the Maryland Department of Environment.

ACCESS EASEMENT COURSES / DISTANCES

- A = N44°14'E 40'
 B = N44°41'W 36'
 C = N75°W 43.57'
 D = N44°41'W 158'
 E = N10°54'E 30.70'
 F = S41°43'W 46'
 G = S44°41'E 250.35'

ROUTE 99 - OLD FREDERICK ROAD

WOODSTOCK ROAD

LEGEND

AREA SHOWN TRUSLEY DESIGNATES PRIVATE SEWAGE EASEMENT AREA.

→ SURFACE WATER FLOW DIRECTION

ELEVATIONS TAKEN @ TEST P.T.

WA - INDICATES WELL OR PROPOSED WELL

SO - INDICATES EXISTING SEPTIC TANK

○ - INDICATES APPROVED PERCOLATION TEST

Purpose Statement: The purpose of this plan is to establish a Sewage Disposal Area and a Well Reserve for (Tax Map 10) Parcel 206.

Approved for private water & private sewerage system:

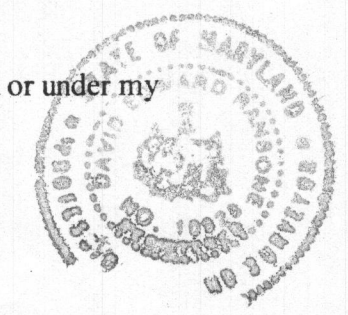
B. Nyman for Oster Beilensen 2/3/2011
 County Health Officer Date

SURVEYOR'S CERTIFICATION:

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.

David E. Ransone
 David E. Ransone - Land Surveyor MD #10928

1-19-11
 Date



PERCOLATION CERTIFICATION PLAN

December 03, 2010
 Additions: Jan. 05, 2011, Jan. 19, 2011

TAX MAP 10, PARCEL 206; MERKLE PROPERTY
 WOODSTOCK, MD 21163-1326

Plan dates:
 Preliminary Plan - 6-02-10
 1st Revision - 8-20-10
 2nd Revision - 11-02-10

3RD DISTRICT - HOWARD CO. - MD

Parcel 206 Map 10
 Acct. #: 294278
 Owner: Karen L. Merkle, et al
 #1950 Woodstock Road
 Woodstock, MD 21163-1326
 cell #443-605-8980
 Deed Ref: MDR No. 11029 folio 034

JAN. 19, 2011
 SCALE: 1"=50' Jan. 05, 2011

David Ransone - Land Surveyor
 204 Ridge Avenue
 Towson, MD 21286
 410-207-8358

PC533269

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