

APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____

@VP 531052

AGENCY REVIEW: _____

DATE 6-19-09

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 7 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) Hong Tao Ma

DAYTIME PHONE 410-493-4950 CELL _____ FAX _____

MAILING ADDRESS 12935 B Folly Quarter Rd Ellicott City MD 21042
STREET CITY/TOWN STATE ZIP

APPLICANT Same

DAYTIME PHONE _____ CELL _____ FAX _____

MAILING ADDRESS _____
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION
SUBDIVISION/PROPERTY NAME 4268 Maisel Farm Ln LOT NO. 51

PROPERTY ADDRESS _____
STREET TOWN/POST OFFICE

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

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.

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

A/P _____

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H

REMARKS: _____

SANITARIAN _____ BACKHOE _____ OTHERS _____

TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____

TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

2-2-92
10:00am
9/19/92

APPLICATION

PERCOLATION TESTING

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
P.O. BOX 476 ELLICOTT CITY, MARYLAND 21043
TELEPHONE 461-9933

PERCOLATION TESTING
PERMITS OK,
POTENTIAL WGT SEASIN
& SAFE WGL SITE CONCERNS RELAYED.
APPLICANT "DECLINED" REQUEST
TO ADDRESS PRIOR TO TESTING.
CW,

A 48313
P _____

DATE 6-30-92

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST IN ORDER TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER Donald R Renner Jr

ADDRESS 10805 Hickory Ridge Rd PHONE 740-2100

PROSPECTIVE BUYER NA

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION Buckskin LOT NO. 51

ROAD AND DESCRIPTION Buckskin Lake Dr off of Folly Quarter Rd

TAX MAP 22 PARCEL # 26

SIZE OF LOT 3.07 acres TYPE BLDG SFD
(SINGLE FAMILY DWELLING OR COMMERCIAL)

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE. I FULLY UNDERSTAND THE FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NON-REFUNDABLE UNDER ANY CIRCUMSTANCES. I ALSO AGREE TO COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT.

[Signature]
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING PERC OK, HOLD FOR PLAT MR 9/18/92

HD-216

THIS IS NOT A PERMIT

Lot 51
A 48313

500' H₂O SUPPLY FOR BARN

①

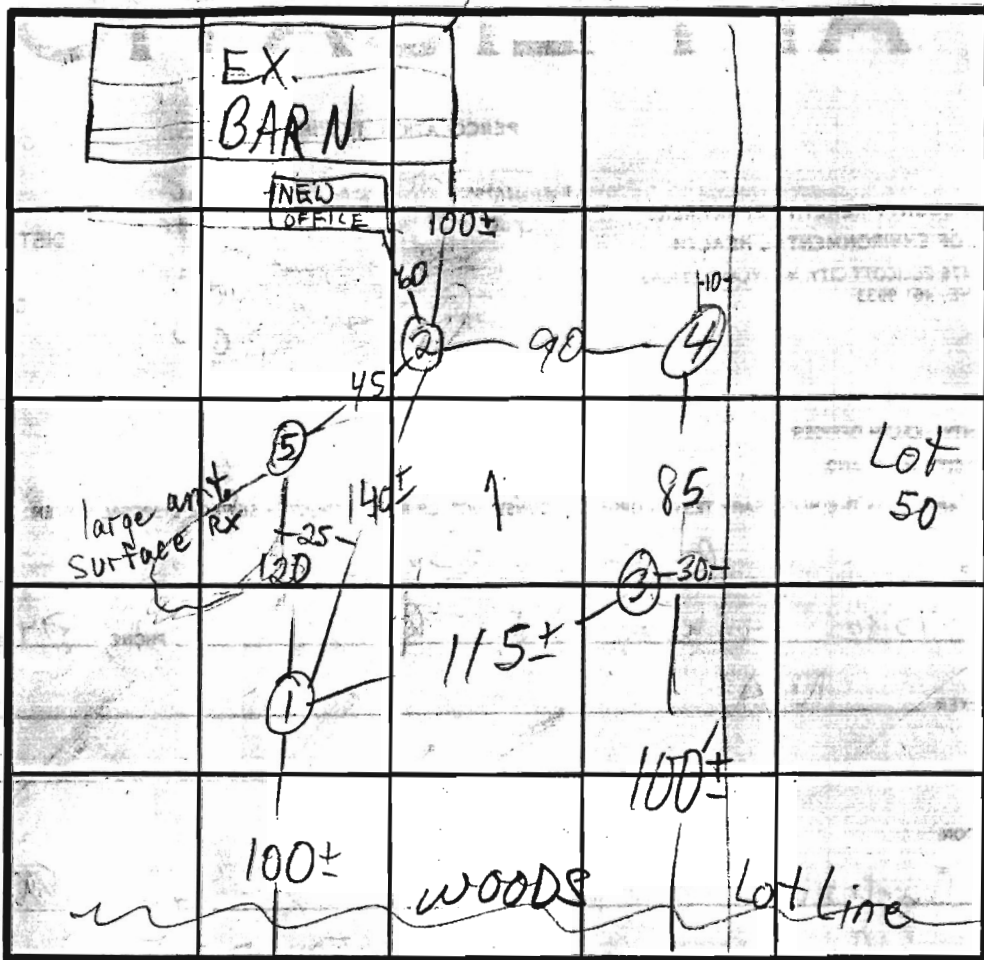
SOIL PROFILE

brn/tan
sa cl lm
15% frags

2 1/2

tan/brn
sa lm
25-40%
semi-hard
shale frags
↑ w/depth

HARD BOT



Lot 50
Z=3
180' BR
Inlet 2'
Bot 4'

TO F.O. RD

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

tan clay
brn/tan
sa lm
several
very lg. frags

REFUSAL

Row to barn, etc (FARM LA?)

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
7/7/92	NO TESTS		CONTRACTOR NOW RECOGNIZES LOCATIONS ARE OBVIOUSLY TOO LOW & UNSUITABLE FOR					
9/9/92	1 S	3'	9:57	9:59	9:59	10:02	3	
	1 M	5 1/2'	9:55			9:56	FAST	
	1 V	9'	9:57	9:58	9:58	9:59	1	
	5 V	5 1/2'	REFUSAL - FAIL					
	2 S	3'	10:22	10:24	10:24	10:28	4	
	2 V	9'	see profile HARD BOT 20% frags					
	SHARED HOLES	4 S	10:44	10:46	10:46	10:49	3	
		4 V	see profile		10% frags			
		3 V	see profile		10% frags			
		2						

② ③ ④

brn sa
cl lm

-4

org tan
beige pink
fine sa
lm
10-20% frags
↑ w/depth

REMARKS ALL HOLES PER STAKE ± EXCEPT ②

TYPE OF SOIL
TESTED BY M. Riskin

ALSO PRESENT OK IF

2792
10:00am
9/9/92

APPLICATION

PERCOLATION TESTING

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
P.O. BOX 476 ELLICOTT CITY, MARYLAND 21043
TELEPHONE 461-9933

PERCOLATION TESTING
PERGULOW OK,
POTENTIAL WGT SEASIN
& SAFE WGL SITE CONCERNS RELAYED.
APPLICANT "DECLINED" REQUEST
TO ADDRESS PRIOR TO TESTING.
CW,

A 48313
P _____
DISTRICT _____
DATE 6-30-92

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

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[Signature]
(SIGNATURE OF APPLICANT)

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500' H₂O SUPPLY FOR BARN

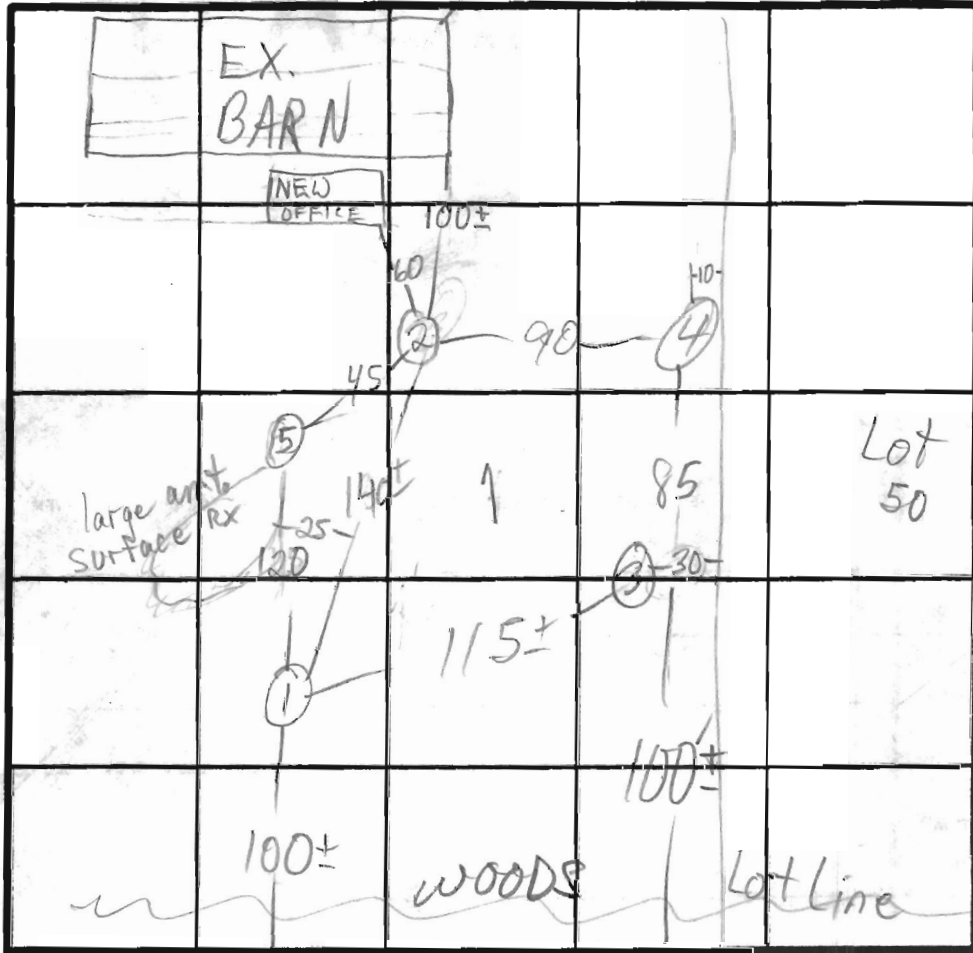
①

SOIL PROFILE

brn/tan
sa cl lm
15% frags

tan/brn
sa lm
25-40%
semi-hard
shale frags
↑ w/depth

HARD BOT



Lot 50
2=3
180' BR
Inlet 2'
Bot 4'

⑤

1' tan clay
brn/tan
sa lm
several
very la. frags

REFUSAL

Row to barn, etc (FARM LA?)

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
7/7/92	NO TESTS		CONTRACTOR NOW RECOGNIZES LOCATIONS ARE OBVIOUSLY TOO LOW & UNSUITABLE M/R					
9/9/92	1 S	3'	9:57	9:59	9:59	10:02	3	
	1 M	5 1/2'	9:55			9:56	FAST	
	1 M2	5 1/2'	9:57	9:58	9:58	9:59	1	
	1 W	9'	see profile					
	5 V	5 1/2'	REFUSAL		- FAIL			
	2 S	3'	10:22	10:24	10:24	10:28	4	
	2 V	9'	see profile		HARD BOT 20% frags			
	4 S	4'	10:44	10:46	10:46	10:49	3	
	4 V	12'	see profile		10% frags			
	3 V	12'	see profile		10% frags			
	3							

②③④

brn sa
cl lm

2-4 org tan
beige pink
fine sa
lm
10-20% frags
↑ w/depth

9-12

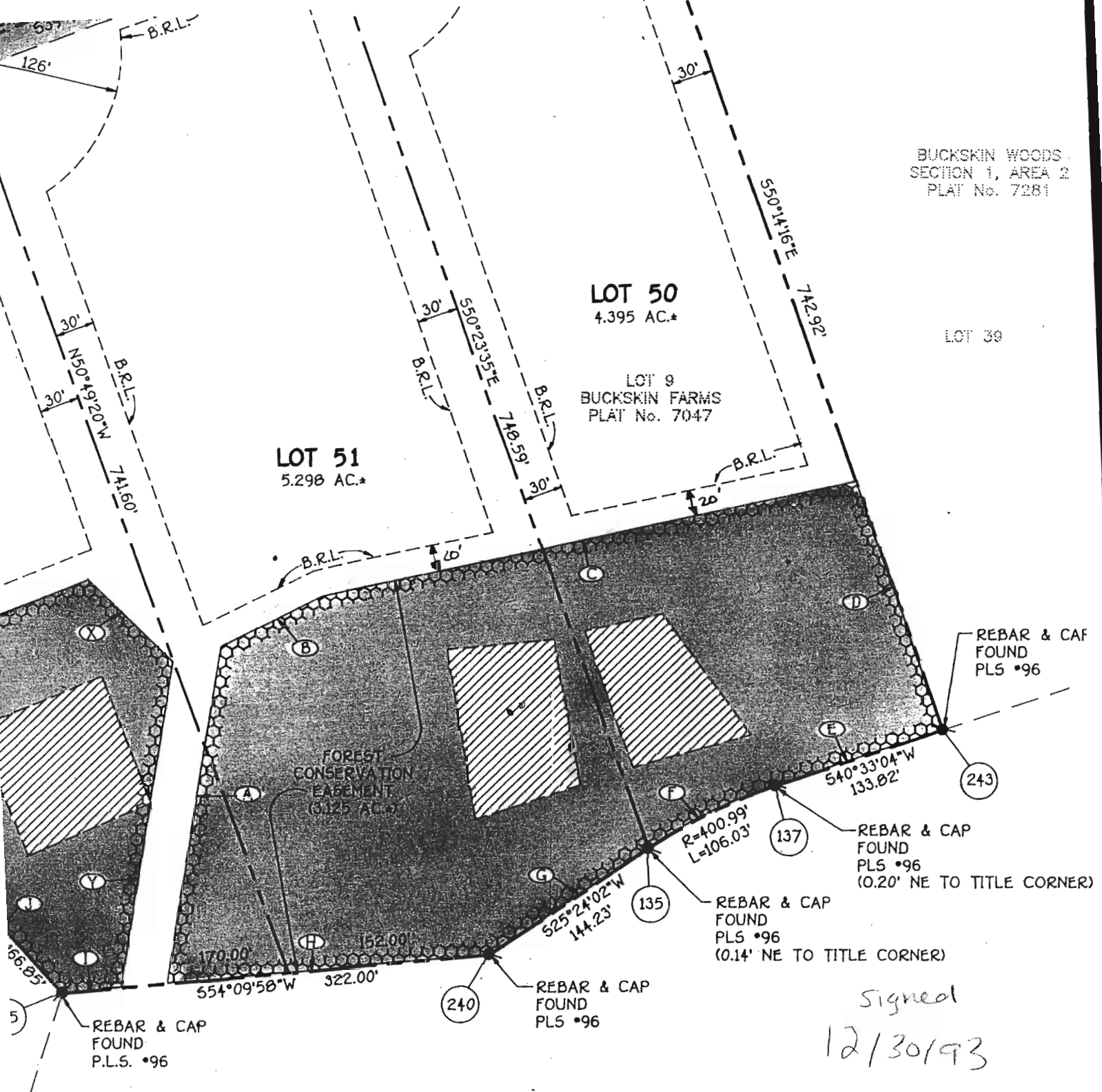
REMARKS ALL HOLES PER STAKE ± EXCEPT ②

TYPE OF SOIL

TESTED BY M. Riskin

ALSO PRESENT OK Jr

BUCKSKIN WOODS
SECTION 1, AREA 2
PLAT No. 7281



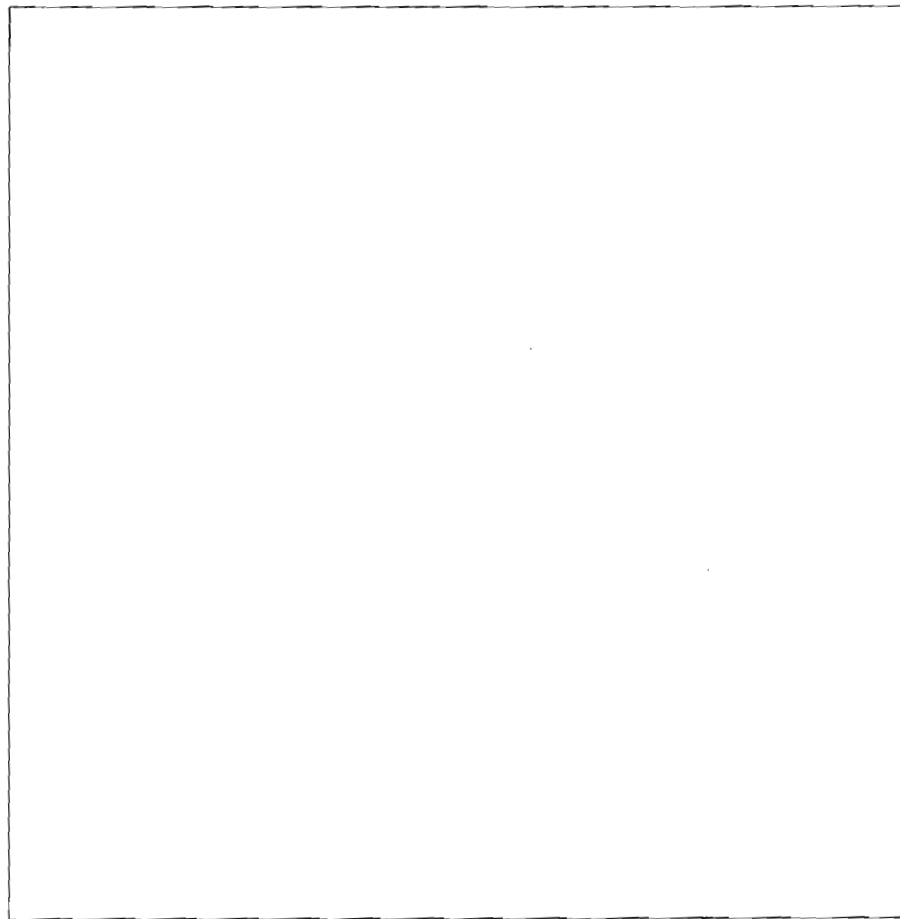
GLENELG COUNTRY SCHOOL, INC.
LIBER 1123, FOLIO 252
LIBER 1123, FOLIO 257

OWNER & DEVELOPER

DONALD R. REUWER, JR.,
DEBORAH REUWER AND
C/O LAND DESIGN & DEVELOPMENT, INC.
10805 HICKORY RIDGE ROAD
COLUMBIA, MARYLAND 21044

FISHER, COLLINS & CA
CIVIL ENGINEERING CONSULTANTS & L
9171 BALTIMORE NATIONAL PIKE, SUIT
ELLCOTT CITY, MARYLAND 21041
(410) 461 - 2855

A/P _____



DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H	
1-21-10	7	INFO on previous page						
3-17-10	8		VISUAL				OK	

8

brn l
sbk 8"

org brn
scl lmsbk 2.5'

micaceous
yellow
sl

↓ micaceous
yellow brn
sl ~ 4'

brn fl 6'

↓ bottom

7

vst brn
l 1.5'

org brn
#ches
(40% rx)

6' bottom
throw H₂O

@ bottom of
hole

semi-
saturated

REMARKS 3-17-10 - #8 midale conf. hole

SANITARIAN _____ BACKHOE _____ OTHERS _____

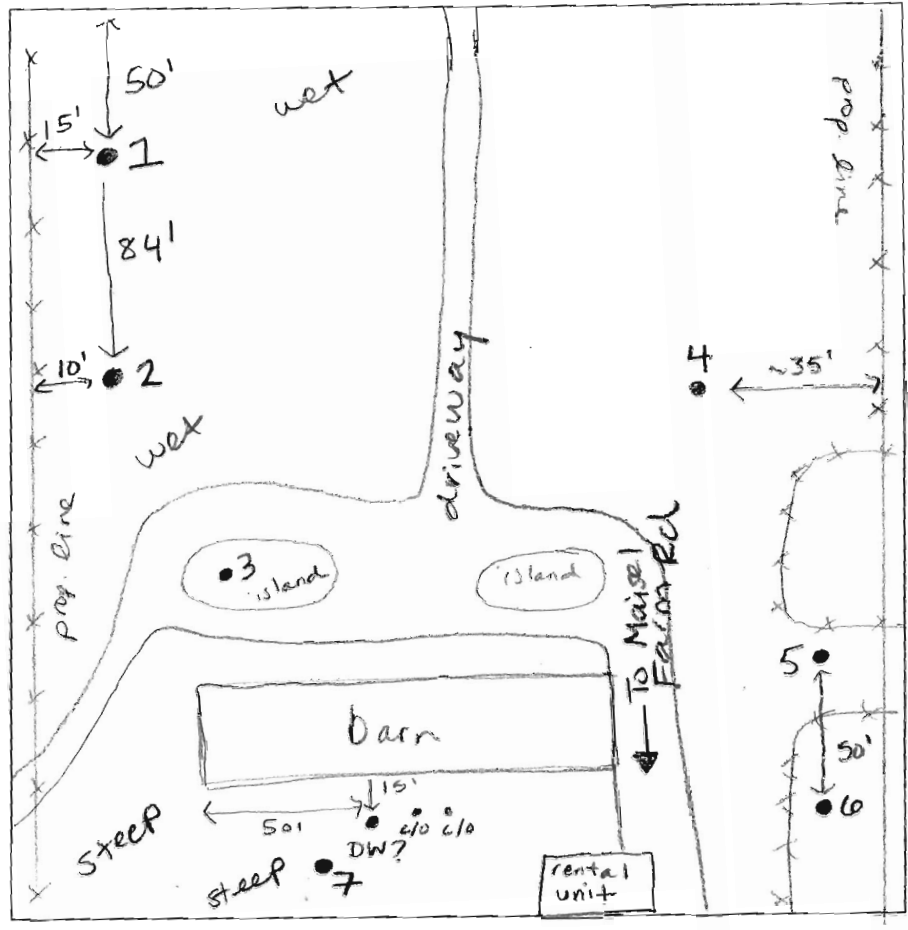
TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____

TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

specs per 1992 percs

1' SW = 720.25' 3 systems 2" SW = 551.25'

APV



1
brn l
lfsbk
wet
yellow brn
cl
H2O seeping
@ 2' on
both sides
2.5'
yellow brn
common gray
coarse sl
↓
wet yellow
brn ls
sides caving
↓
H2O

2
dk brn l
wet
yellow brn
w/ grauc
mottles
cl seep @
1.5'
yellow
brn wet
sl sidewall
seeping
3.5'
bluegray
cl
seep @
caving
H2O bottom
5.8'

3
ch brn l
brn
st sl
3.5'
vch brn
cl
Min coatings
on rx
15% boulders
@ 5'
3.5'
moist
mottled
st sl
1'
gray/yellow
cl

4
dk brn l 6"
yellow brn
sl/cl
mottled
gray/yellow
cl/sl
↓
bluegray cl
seep @ 6'
7'
bottom 8.5'

5
brn l 8"
yellow
vch yellow
gray sl
3'
moist
ch sl
yellow w/
mottles
7'
moist
sticky
cl
H2O 11'

6
st brn l 1'
yellow
brn
micaceous
sl
Min Fe
moist @
6.5'
7'
micaceous
dk brn
f sl
H2O @ 8'

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H	
1-21-10	1	5.5'	VISUAL				F	
	2	5.8'	"	"			F	
	3	8'	"	"			F	
	4	8.5'	"	"			F	
	5	6' / 11'	10:48	11:19	no movement in 30 min.		F	
	6	4.2' / 10'	11:22	11:25	11:28	3	P	
	7	6'	VISUAL				OK	
			↑ 10' from existing system					

REMARKS odor detected near concrete lid (2' wide) drywell?
 SANITARIAN HS BACKHOE Storm Water OTHERS owner
 TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH 3 INLET DEPTH 2 MAX. BOT DEPTH 4 EFFECTIVE SW 2'

H2O coming in very fast @ 7.5' use ex. SDA 7 BR



HOWARD COUNTY HEALTH DEPARTMENT

Joyce M. Boyd, M.D., County Health Officer

September 21, 1992

Reply to:

Mr. Donald Reuwer, Jr.
10805 Hickory Ridge Road
Columbia, Maryland 21044

RE: Percolation Test Results
Application Numbers: A48313, A48314 & ?
Proposed Use: Subdivision
Property ID: Buckskin Woods - Lots 50-52

Dear Mr. Reuwer:

Percolation testing conducted September 9, 1992 on the above referenced property indicated satisfactory soil conditions. Copies of test results have been forwarded to your engineer.

Further review is contingent upon submission by a registered engineer of a percolation certification plat showing actual locations and elevations of all excavated test holes and a suitable house and well site. The plat should also include the location of all existing wells and septic systems on the property as well as the location of any other relevant features such as streams, swales, or existing structures. A note must be included certifying that all wells and septic systems within 100 feet of property boundaries have been shown.

This should be submitted within sixty (60) days to allow field verification if necessary.

If the proposal is for subdivision or for commercial use, a Groundwater Appropriations Permit or renewal must be approved prior to any plat approvals.

If you have any questions regarding this matter, please feel free to contact me at the above address or by calling 313-2640.

Very truly yours,

Mark E. Rifkin

Mark Rifkin, R. S.
Water and Sewerage Program

MR:jr
Enclosures

We have no record that the test application fee has been paid for Lot 52. Please resolve. Thank you.

Bureau of Environmental Health
3525-H Ellicott Mills Drive Ellicott City, Maryland 21043-4544
Water and Sewerage, Permits 313-2640 Community Environmental Health 313-2642
Technical Services 313-2644 Director 313-2645 TDD 313-2323

FILE INQUIRY NOTES

perc receipt
underneath











2009

DATE	RESULTS OF REVIEW FOR FILE
6-15	Made site visit to property w/ R. Bricker. Spoke w/ owners
	daughter who led us to ex. septic system. Septic appears to be utilized by 2 separate structures. One is a 3-BR rental unit.
6-16	Called owner Mr. Ma, explained that Health Dept. cannot approve BP for 3BR/3BA. Need site plan, perc testing, etc. Will call next day after speaking w/ supervisors. also said he already started work.
6-17	Called Mr. Ma again to explain in more detail requirements for a perc cert plan & perc testing
6-19	Mr. Ma came into office to pay for perc test. Restated requirements. He will come back to drop off plans. He also stated that he does not want to hire an engineer/surveyor to prepare plans and he will do them himself. He was very irate.
6-18	Talked to Bruce F. from building inspections, said a reinspection is being made on 6/30/09. Zoning is currently trying to obtain permission to enter property to get inside and inspect both structures and that the Health Dept may also come on the inspection, contact Tom P. (building inspector)
6-30	Owner called inquiring about status of perc test. Owner did not understand he needed to coordinate a backhoe on site for perc tests. Told him I was waiting for DLP to clear up issues before scheduling perc. Talked to Steve Rolls at zoning, set up inspection for 7-1-09. Zoning has issue w/ both dwellings
7-1-09	Met w/ Tom Frey (Building inspector) Steve Rolls (Zoning) & a electrical and plumbing inspector @ Property. Met w/ owner to discuss BP. Observed at least 3 bedrooms in progress with Robert Bricker. DLP issued a stop work order. Discussed w/ owner that zoning's decision about having 2 dwellings on the property will affect the septic system requirements. Currently there are at least 6 bedrooms in total between both residences. Owner will contact the Health Dept after he speaks w/ zoning.

7-30-09 Augers

NOTES:

1. TOPOGRAPHY SHOWN HEREON WAS FIELD RUN BY SHANABERGER & LANE IN MARCH, 2010.

2.  THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MD. STATE DEPT. OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. FOR LOTS CREATED PRIOR TO MARCH 1972, IT PROVIDES AT LEAST ENOUGH AREA TO ACCOMMODATE AN INITIAL AND 2 REPLACEMENT SEPTIC SYSTEMS AS REQUIRED BY THE HOWARD COUNTY HEALTH DEPT. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED. THIS SEWAGE DISPOSAL AREA 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 SEWAGE DISPOSAL AREA.
3. #2  DESIGNATES SUCCESSFUL PERC TEST LOCATION
-  DESIGNATES FAILED PERC TEST LOCATION
-  DESIGNATES EXISTING WELL LOCATION
-  DESIGNATES EXISTING BUILDING LOCATION
-  DESIGNATES FOREST CONSERVATION EASEMENT
-  DESIGNATES FIELD-RUN CONTOURS
-  DESIGNATES CONTOURS DERIVED FROM HOWARD COUNTY TOPO MAP
-  DESIGNATES SOIL TYPE BOUNDARY
-  DESIGNATES WOODS/LINE/TREES
4. ALL VISIBLE EXISTING WELLS AND SEWAGE DISPOSAL AREAS WITHIN 100' OF THE PROPERTY AND WELLS WITHIN 200' DOWNSLOPE OF THE PROPOSED SDA HAVE BEEN SHOWN.
5. SOIL TYPES:
 (Wn) --- WILTSHIRE SILT LOAM 0-3% SLOPES
 (GpC) --- GLADSTONE LOAM 8-15% SLOPES
 (MaD) --- MANOR LOAM 15-25% SLOPES
6. BEARINGS AND DISTANCES SHOWN HEREON ARE FROM RECORDED PLAT NUMBER 11117.
7. ANY CHANGE TO A PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERC CERTIFICATION PLAN.
8. THE EXISTING SEPTIC SYSTEM IS TO BE UPGRADED PRIOR TO BUILDING PERMIT APPROVAL.
9. THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP AND LOT AREA REQUIREMENTS BY THE MD STATE DEPARTMENT OF THE ENVIRONMENT.
10. AREAS WITHIN DEFINED SEPTIC AREAS THAT ARE WOODED ARE NOT TO BE CONFUSED WITH WOODED AREAS THAT ARE PROTECTED FOR FOREST CONSERVATION THAT ARE DESIGNATED ADJACENT TO THE DEFINED SEPTIC AREAS. REPLACEMENT OF SEPTIC DRAINFIELD LINES REQUIRES DISRUPTION AND DISTURBANCE AND LIKELY WILL RESULT IN DAMAGE OR DESTRUCTION OF TREES AND OTHER VEGETATION WITHIN THE BOUNDARIES OF THE SEPTIC AREA.
11. A TOTAL OF 4 BEDROOMS ARE PROPOSED IN THE EXISTING BARN.
12. THE PURPOSE OF THIS PLAT IS TO PROVIDE A WELL EASEMENT FOR WHAT WAS DISCOVERED TO BE AN OFFSITE WELL, AND TO PROVIDE AN ADEQUATE SEPTIC SYSTEM AND PRIVATE SEWAGE EASEMENT SERVING THE HOUSE AND BARN WHICH WILL BE JOINED INTO ONE STRUCTURE.

PROPOSED SYSTEM "A"

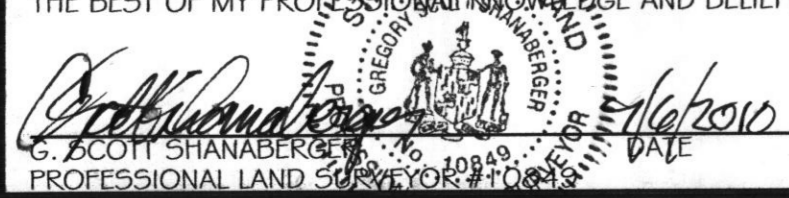
HOUSE	
INV. AT BARN	502.9
SEPTIC TANK	
EX. GRADE	505.1
FIN. GRADE	505.1
INV. IN	502.1
INV. OUT	501.8
PUMP PIT	
EX. GRADE	505.3
FIN. GRADE	505.3
INV. IN	501.7
INV. OUT	---
DISTRIBUTION BOX	
EX. GRADE	540.9
FIN. GRADE	540.9
INV. IN	---
GRAVITY SEWER SERVICE TO BASEMENT LEVEL WILL BE PROVIDED	
DIST. BOX & TRENCH INVERTS, NUMBER & LENGTH OF TRENCHES, TO BE DETERMINED BY BUREAU OF ENVIRONMENTAL HEALTH	


PROPOSED SYSTEM "B"

HOUSE	
INV. AT BARN	509.6
SEPTIC TANK	
EX. GRADE	513.3
FIN. GRADE	513.3
INV. IN	506.6
INV. OUT	506.5
PUMP PIT	
EX. GRADE	515.3
FIN. GRADE	515.3
INV. IN	506.4
INV. OUT	---
DISTRIBUTION BOX	
EX. GRADE	543.3
FIN. GRADE	540.9
INV. IN	---
GRAVITY SEWER SERVICE TO BASEMENT LEVEL CAN BE PROVIDED BY EJECTOR PUMP	
DIST. BOX & TRENCH INVERTS, NUMBER & LENGTH OF TRENCHES, TO BE DETERMINED BY BUREAU OF ENVIRONMENTAL HEALTH	



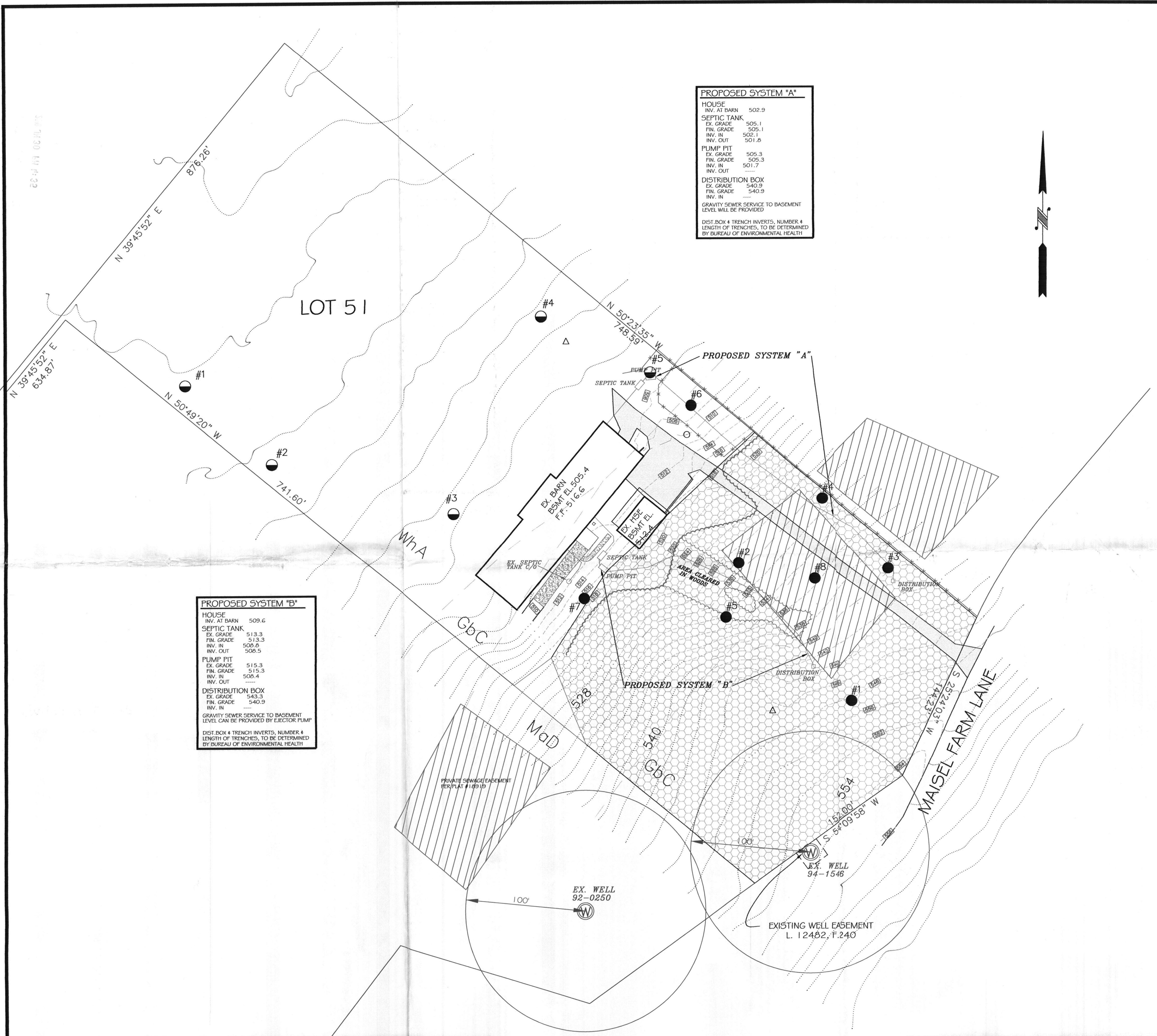
SHANABERGER & LANE
 8726 TOWN & COUNTRY BLVD.
 SUITE 201
 ELLICOTT CITY, MD 21043
 PHONE: 410-461-9563
 FAX: 410-461-9693

PERC CERTIFICATION I HEREBY CERTIFY THAT THE INFORMATION SHOWN HEREON REFLECTS FIELD WORK DONE BY ME OR UNDER MY DIRECT SUPERVISION AND IS CORRECT TO THE BEST OF MY PROFESSIONAL KNOWLEDGE AND BELIEF.

 G. SCOTT SHANABERGER, P.E.
 PROFESSIONAL LAND SURVEYOR #10833

APPROVED: FOR PRIVATE WATER AND SEWERAGE SYSTEMS

 COUNTY HEALTH OFFICER 48 3/2/10

PURPOSE: REPLACE EXISTING SEPTIC SYSTEM.

PERC CERTIFICATION PLAN -A#531052
PROPERTY OF HONG TAO MA
 4268 MAISEL FARM LANE
 ELLICOTT CITY, MD 21042
 "BUCKSKIN WOODS" LOT 51
 PLAT #11117 TITLE DEED: 9067/33
 TAX MAP 22, GRID 22, PARCEL 535
 5TH ELECTION DISTRICT, HOWARD COUNTY, MD.
 SCALE: 1" = 40' DATE: 3/26/2010
 REVISED: 4/6/2010, 6/2/2010, 6/29/2010



PROPOSED SYSTEM "A"

HOUSE	
INV. AT BARN	502.9
SEPTIC TANK	
EX. GRADE	505.1
FIN. GRADE	505.1
INV. IN	502.1
INV. OUT	501.9
PUMP PIT	
EX. GRADE	505.3
FIN. GRADE	505.3
INV. IN	501.7
INV. OUT	---
DISTRIBUTION BOX	
EX. GRADE	540.9
FIN. GRADE	540.9
INV. IN	---

GRAVITY SEWER SERVICE TO BASEMENT LEVEL WILL BE PROVIDED

DIST. BOX & TRENCH INVERTS, NUMBER & LENGTH OF TRENCHES, TO BE DETERMINED BY BUREAU OF ENVIRONMENTAL HEALTH

PROPOSED SYSTEM "B"

HOUSE	
INV. AT BARN	509.6
SEPTIC TANK	
EX. GRADE	513.3
FIN. GRADE	513.3
INV. IN	500.0
INV. OUT	508.5
PUMP PIT	
EX. GRADE	515.3
FIN. GRADE	515.3
INV. IN	500.4
INV. OUT	---
DISTRIBUTION BOX	
EX. GRADE	540.3
FIN. GRADE	540.9
INV. IN	---

GRAVITY SEWER SERVICE TO BASEMENT LEVEL CAN BE PROVIDED BY EJECTOR PUMP

DIST. BOX & TRENCH INVERTS, NUMBER & LENGTH OF TRENCHES, TO BE DETERMINED BY BUREAU OF ENVIRONMENTAL HEALTH

NOTES:

- TOPOGRAPHY SHOWN HEREON WAS FIELD RUN BY SHANABERGER & LANE IN MARCH, 2010.
- THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MD. STATE DEPT. OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL FOR LOTS CREATED PRIOR TO MARCH 1972. IT PROVIDES AT LEAST ENOUGH AREA TO ACCOMMODATE AN INITIAL AND 2 REPLACEMENT SEPTIC SYSTEMS AS REQUIRED BY THE HOWARD COUNTY HEALTH DEPT. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED. THIS SEWAGE DISPOSAL AREA 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 SEWAGE DISPOSAL AREA.
- #2** DESIGNATES SUCCESSFUL PERC TEST LOCATION
- DESIGNATES FAILED PERC TEST LOCATION
- DESIGNATES EXISTING WELL LOCATION
- DESIGNATES EXISTING BUILDING LOCATION
- DESIGNATES FOREST CONSERVATION EASEMENT
- DESIGNATES FIELD-RUN CONTOURS
- DESIGNATES CONTOURS DERIVED FROM HOWARD COUNTY TOPO MAP
- DESIGNATES SOIL TYPE BOUNDARY
- DESIGNATES WOODSLINE/TREES
- ALL VISIBLE EXISTING WELLS AND SEWAGE DISPOSAL AREAS WITHIN 100' OF THE PROPERTY AND WELLS WITHIN 200' DOWNSLOPE OF THE PROPOSED SDA HAVE BEEN SHOWN.
- SOIL TYPES:
 (MaA) --- WILTSHIRE SILT LOAM 0-3% SLOPES
 (GbC) --- GLADSTONE LOAM 0-15% SLOPES
 (MaD) --- MANOR LOAM 15-25% SLOPES
- BEARINGS AND DISTANCES SHOWN HEREON ARE FROM RECORDED PLAT NUMBER 11117.
- ANY CHANGE TO A PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERC CERTIFICATION PLAN.
- THE EXISTING SEPTIC SYSTEM IS TO BE UPGRADED PRIOR TO BUILDING PERMIT APPROVAL.
- THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP AND LOT AREA REQUIREMENTS BY THE MD STATE DEPARTMENT OF THE ENVIRONMENT.
- AREAS WITHIN DEFINED SEPTIC AREAS THAT ARE WOODED ARE NOT TO BE CONFUSED WITH WOODED AREAS THAT ARE PROTECTED FOR FOREST CONSERVATION THAT ARE DESIGNATED ADJACENT TO THE DEFINED SEPTIC AREAS. REPLACEMENT OF SEPTIC DRAINFIELD LINES REQUIRES DISRUPTION AND DISTURBANCE AND LIKELY WILL RESULT IN DAMAGE OR DESTRUCTION OF TREES AND OTHER VEGETATION WITHIN THE BOUNDARIES OF THE SEPTIC AREA.
- A TOTAL OF 4 BEDROOMS ARE PROPOSED IN THE EXISTING BARN.
- THE PURPOSE OF THIS PLAT IS TO PROVIDE A WELL EASEMENT FOR WHAT WAS DISCOVERED TO BE AN OFFSITE WELL, AND TO PROVIDE AN ADEQUATE SEPTIC SYSTEM AND PRIVATE SEWAGE EASEMENT SERVING THE HOUSE AND BARN WHICH WILL BE JOINED INTO ONE STRUCTURE.

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

PERC CERTIFICATION OF MAISEL FARM LANE, MD. I CERTIFY THAT THE INFORMATION SHOWN HEREON REFLECTS FIELD WORK DONE BY ME OR UNDER MY DIRECT SUPERVISION AND IS CORRECT TO THE BEST OF MY PROFESSIONAL KNOWLEDGE AND BELIEF.

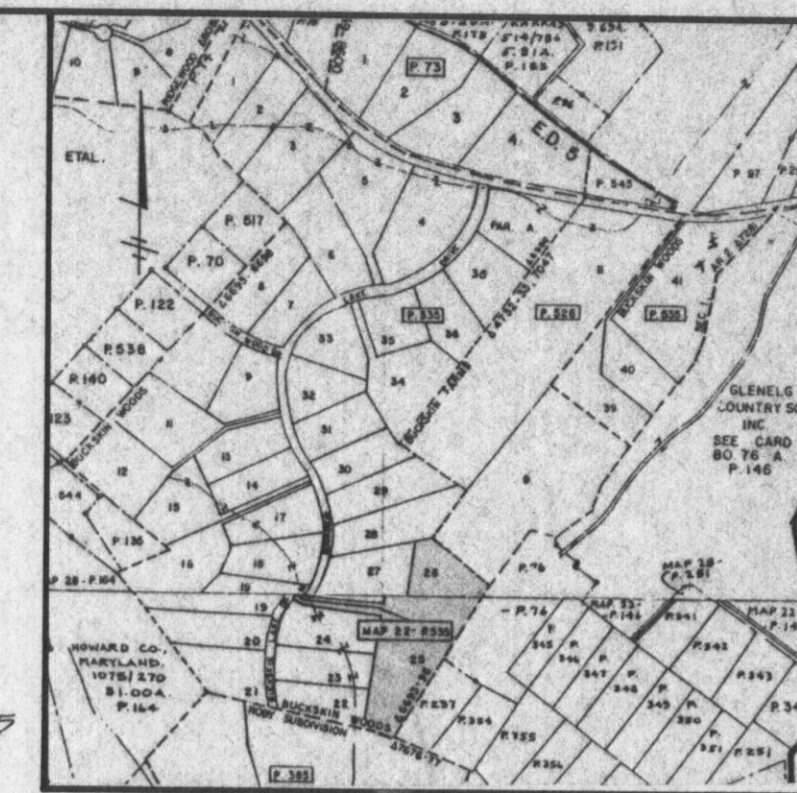
Scott Shanaberger
 SCOTT SHANABERGER
 PROFESSIONAL LAND SURVEYOR, LICENSE # 10843
 DATE: 3/2/10

APPROVED: FOR PRIVATE WATER AND SEWERAGE SYSTEMS

Scott Shanaberger 3/2/10
 COUNTY HEALTH OFFICER DATE

PURPOSE: REPLACE EXISTING SEPTIC SYSTEM.

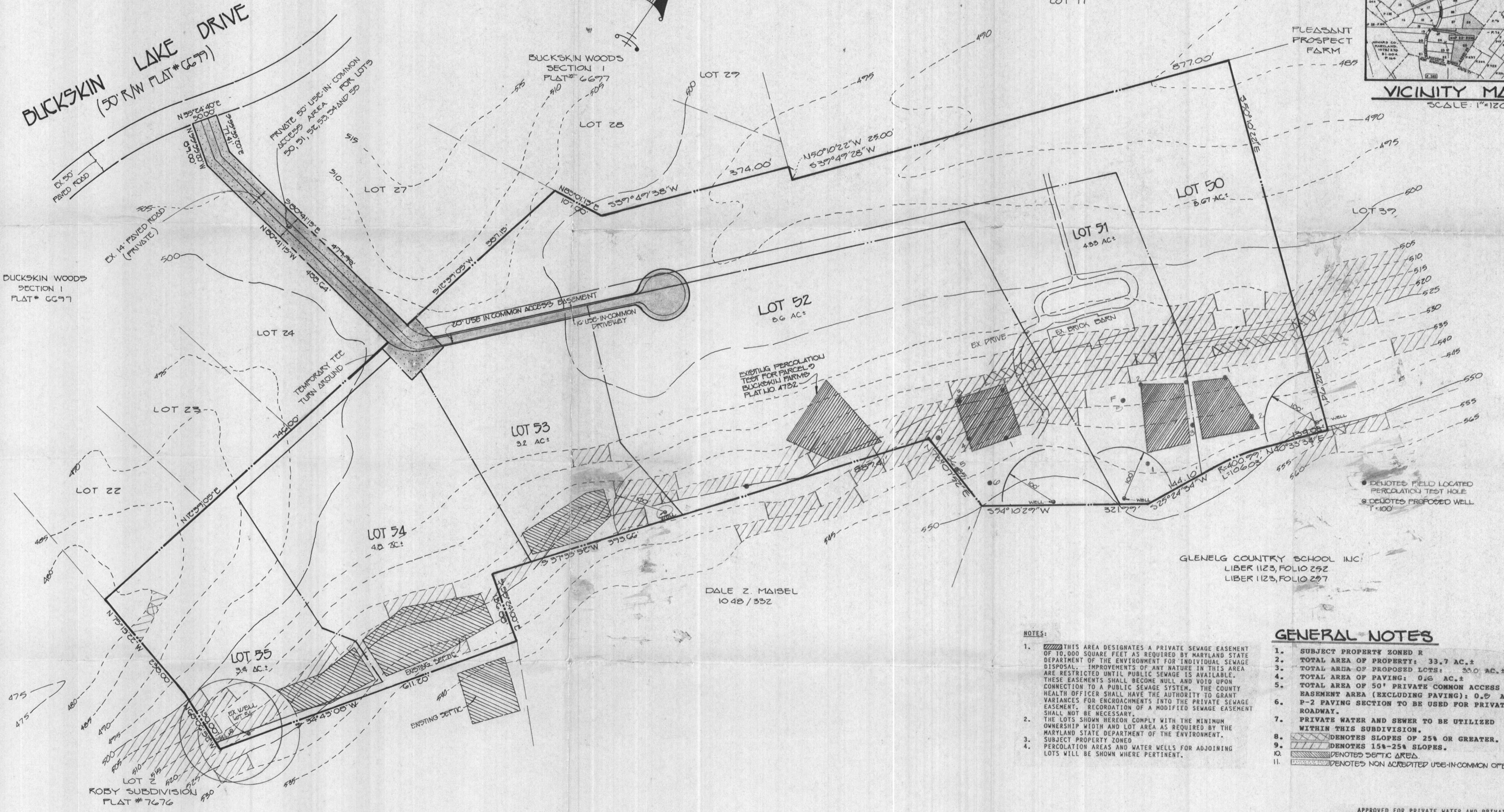
PERC CERTIFICATION PLAN -A#531052
 PROPERTY OF HONG TAO MA
 4268 MAISEL FARM LANE
 ELLICOTT CITY, MD 21042
 "BUCKSKIN WOODS" LOT 51
 PLAT #11117 TITLE DEED: 9067/33
 TAX MAP 22, GRID 22, PARCEL 535
 5TH ELECTION DISTRICT, HOWARD COUNTY, MD.
 SCALE: 1" = 40' DATE: 3/2/2010
 REVISED: 4/6/2010, 6/2/2010, 6/29/2010



VICINITY MAP
SCALE: 1"=1200'

BUCKSKIN LAKE DRIVE
(50' R/W PLAT # 6677)

BUCKSKIN WOODS
SECTION I
PLAT # 6677



● DENOTES FIELD LOCATED PERCOLATION TEST HOLE
○ DENOTES PROPOSED WELL
T=100'

GLENELG COUNTRY SCHOOL INC.
LIBER 1123, FOLIO 292
LIBER 1123, FOLIO 297

DALE Z. MAISEL
10 4B / 33Z

NOTES:

1. THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF 10,000 SQUARE FEET AS REQUIRED BY MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWAGE IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES FOR ENCROACHMENTS INTO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY.
2. THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
3. SUBJECT PROPERTY ZONED.
4. PERCOLATION AREAS AND WATER WELLS FOR ADJOINING LOTS WILL BE SHOWN WHERE PERTINENT.

GENERAL NOTES

1. SUBJECT PROPERTY ZONED R
2. TOTAL AREA OF PROPERTY: 33.7 AC.±
3. TOTAL AREA OF PROPOSED LOTS: 33.0 AC.±
4. TOTAL AREA OF PAVING: 0.6 AC.±
5. TOTAL AREA OF 50' PRIVATE COMMON ACCESS BASEMENT AREA (EXCLUDING PAVING): 0.2 AC.±
6. P-2 PAVING SECTION TO BE USED FOR PRIVATE ROADWAY.
7. PRIVATE WATER AND SEWER TO BE UTILIZED WITHIN THIS SUBDIVISION.
8. DENOTES SLOPES OF 25% OR GREATER.
9. DENOTES 15%-25% SLOPES.
10. DENOTES SEPTIC AREA.
11. DENOTES NON-ACCEPTED USE-IN-COMMON OPEN SPACE.

APPROVED FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.
John M. Butler 11-16-92
COUNTY HEALTH OFFICER DATE

PERC CERTIFICATION PLAN

BUCKSKIN WOODS
LOTS 50-55
(A RESUBDIVISION OF BUCKSKIN WOODS
LOTS 9, 25 & 26)
ZONING 'R'
TAX MAP No. 22
FIFTH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
0' 100' 150' 200'
Scale in Feet
DATE: SEPTEMBER 3, 1992



OWNER AND DEVELOPER
MR. DONALD R. REUMER, JR.
c/o LAND DESIGN & DEVELOPMENT, INC.
10905 HICKORY RIDGE ROAD
COLUMBIA, MARYLAND 21046

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
9171 BALTIMORE NATIONAL PIKE, SUITE 100
ELLICOTT CITY, MARYLAND 21042
(301) 461-2855