



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 Elliott 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 _____

APPLICATION

12792
10:00am
9/19/92

PERCOLATION TESTING

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

PERVIEW OK.
POTENTIAL WGT SEASW
XSAFG W/BL SITE CONCERNS RELAYED.
APPLICANT "DECLINED" REQUEST
TO ADDRESS PRIOR TESTING. DISTRICT
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 Holly 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

2-2-92
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 OK,
POTENTIAL WGT DRAIN
& SAFE W/OUT CONCERN'S RECEIVED.
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

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.

M. J. S. R.
(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
A48313

500' H₂O SUPPLY FOR BARN

①

SOIL PROFILE

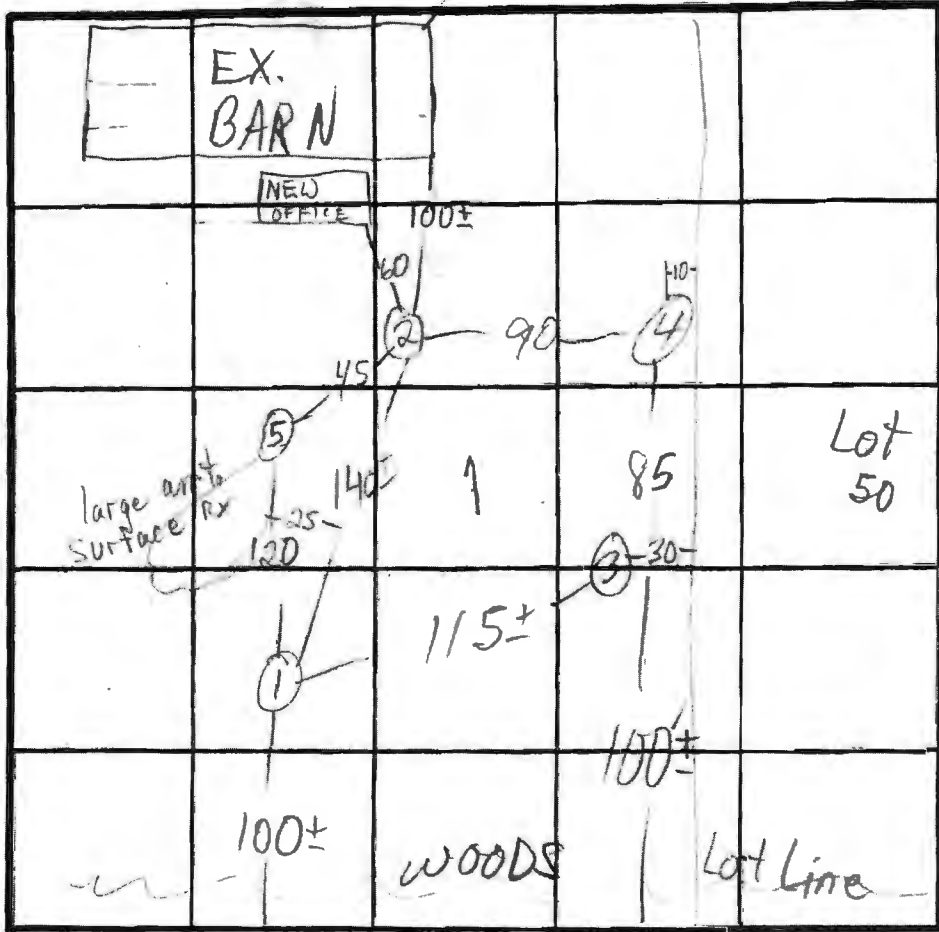
brn/tan
sa cl lm
15% frags

2 1/2'

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

9'

HARD BOT



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

TO F.O. RD

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

ROW to barn, etc (FARM LA?)

⑤

1'

tan clay
brn/tan
sa lm
several
very lg frags

5 1/2'

REFUSAL

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 MR				
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'	see profile		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		
	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		

REMARKS ALL HOLES PER STAKE ± EXCEPT ②

TYPE OF SOIL

TESTED BY M. Riskin ALSO PRESENT OK JF

2-4'

brn sa
cl lm

org tan
beige pink
f. ne sa
lm

10-20% frags
↑ w/depth

9-12'

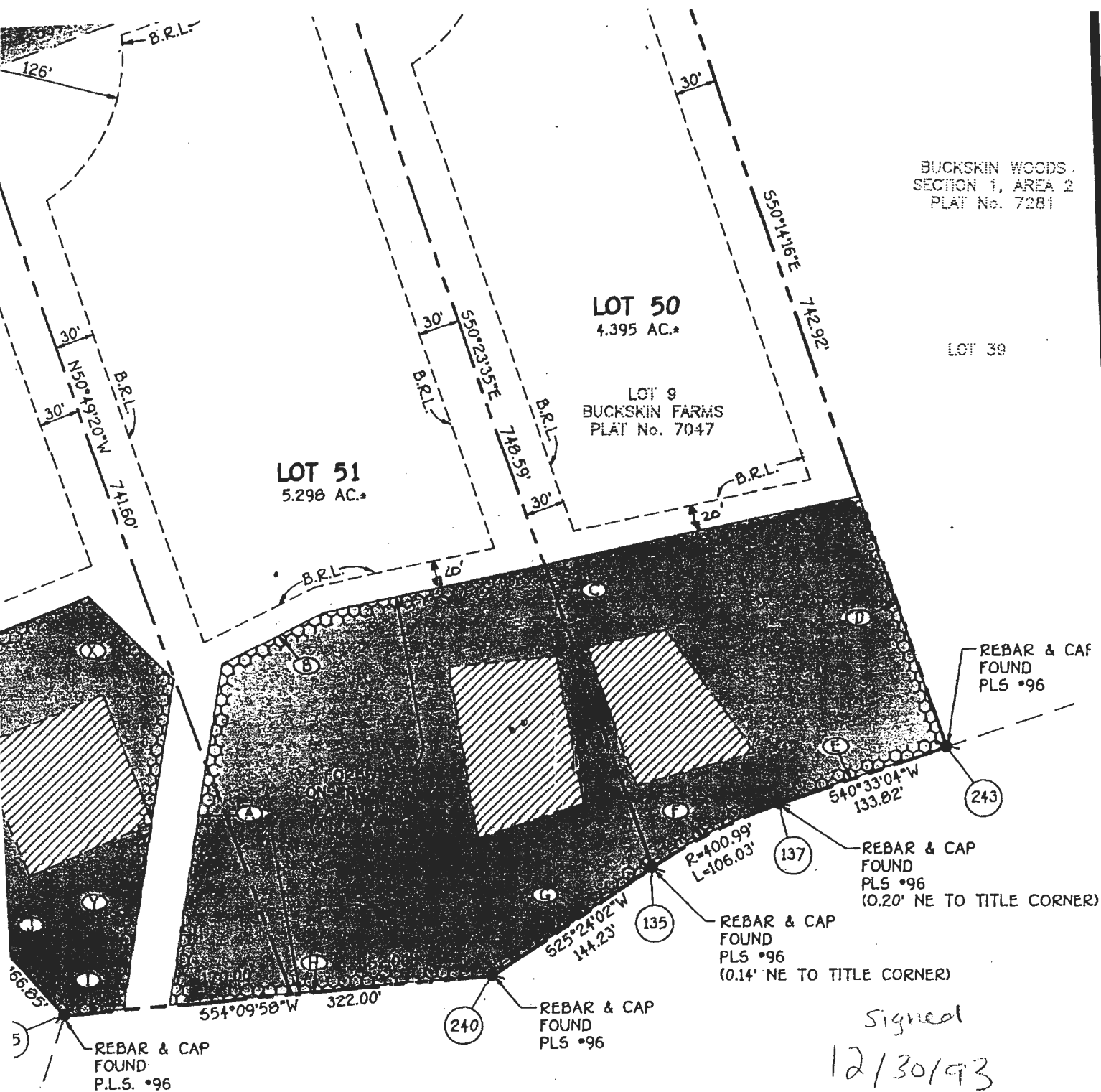
BUCKSKIN WOODS
SECTION 1, AREA 2
PLAT No. 7281

LOT 50
4.395 AC.±

LOT 9
BUCKSKIN FARMS
PLAT No. 7047

LOT 51
5.298 AC.±

LOT 39



Signed
12/30/93

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

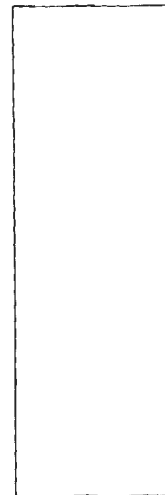
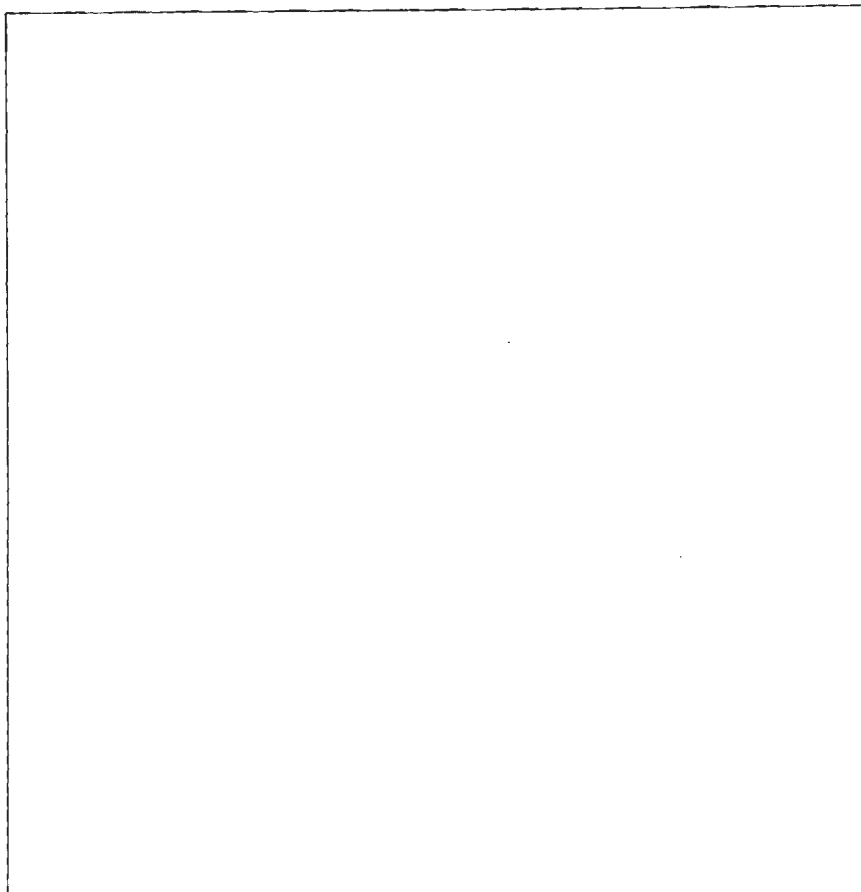
OWNER & DEVELOPER

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 _____



8

brn & sbk 8"

org brn s&e inside 2.5'

micaceous yellow s&e

↓ micaceous yellow brn s&e ~ 4'

brn fld 6'

↓ bottom

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	

7

vst brn 1.5'

org brn

ch 25

40% CK

6' bottom

throw H₂O @ bottom of hole

semi-separated

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 _____

spcs per 1992 percs

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



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

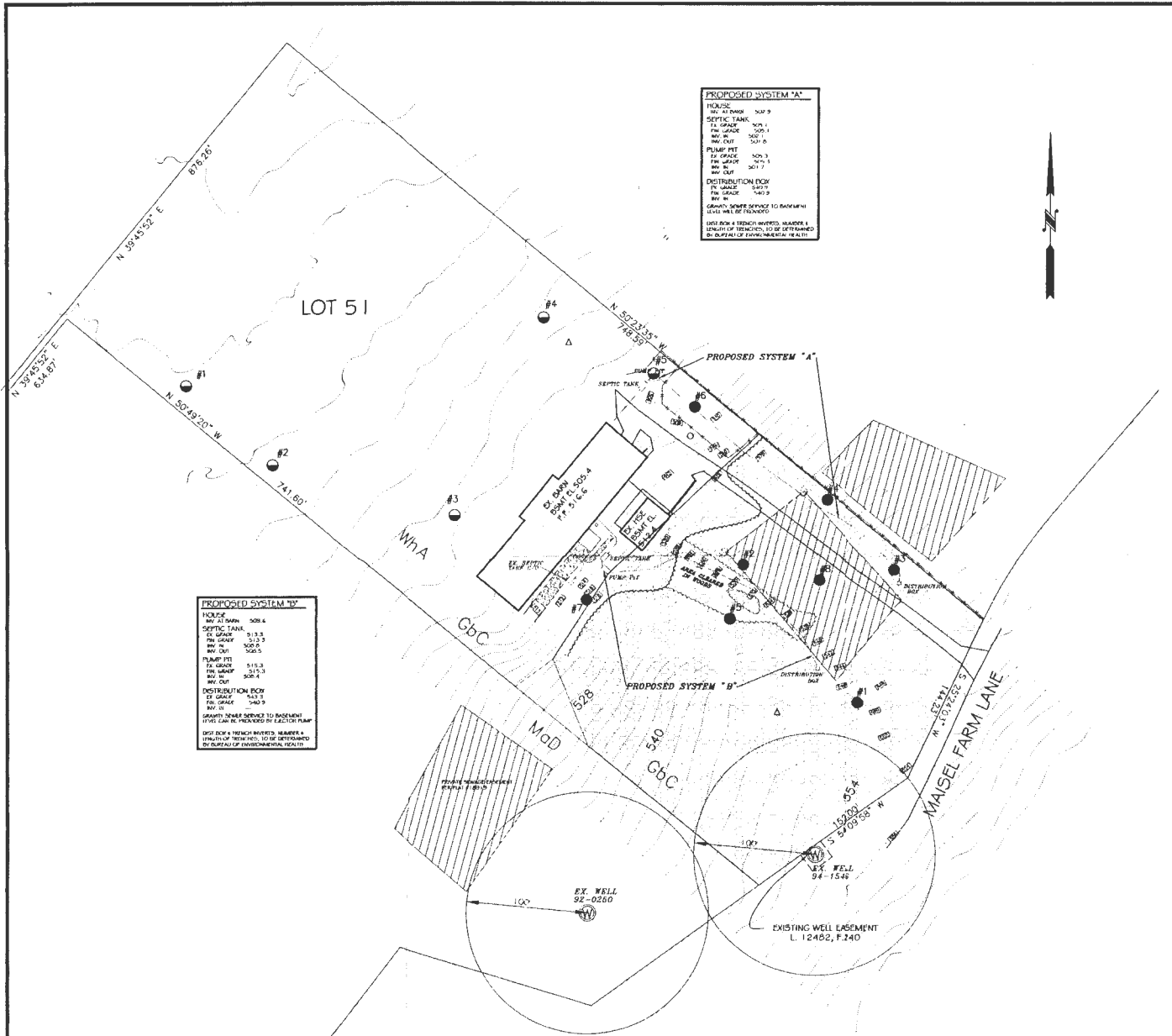
perc receipt underneath

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.
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. Bruce 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 onsite 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

also said he already started work.

7-30-09 Anagers



PROPOSED SYSTEM "A"

HOUSE	NO. OF ROOMS	NO. 9
SEPTIC TANK	FT. GRADE	509.4
PLUMP PIT	FT. GRADE	509.4
DISTRIBUTION BOX	FT. GRADE	509.4
INLET	FT. GRADE	509.4
OUTLET	FT. GRADE	509.4
GRASSY YARD SERVICE TO BASEMENT LEVEL WILL BE PROVIDED		

SEE DRAWING NOTES NUMBER 4 LENGTH OF TRENCHES TO BE DETERMINED BY SURVEY OF ENVIRONMENTAL HEALTH

PROPOSED SYSTEM "B"

HOUSE	NO. OF ROOMS	NO. 4
SEPTIC TANK	FT. GRADE	513.3
PLUMP PIT	FT. GRADE	513.3
DISTRIBUTION BOX	FT. GRADE	513.3
INLET	FT. GRADE	513.3
OUTLET	FT. GRADE	513.3
GRASSY YARD SERVICE TO BASEMENT LEVEL CAN BE PROVIDED BY EJECTION PUMP		

SEE DRAWING NOTES NUMBER 4 LENGTH OF TRENCHES TO BE DETERMINED BY SURVEY OF ENVIRONMENTAL HEALTH

- NOTES:**
- TOPOGRAPHY SHOWN HEREON WAS FIELD RUN BY SHANBERGER & LANE IN MARCH, 2010.
 - THIS AREA DESIGNATED 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. THE LOTS DATED PRIOR TO MARCH 1, 1972, ARE PROVIDED 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 WELL AND VENT UPON CONNECTION TO A PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE DISPOSAL AREA.
 - DESIGNATES SUCCESSFUL PERC TEST LOCATION
 - DESIGNATES FAILED PERC TEST LOCATION
 - DESIGNATES EXISTING WELL LOCATION
 - DESIGNATES EXISTING BUILDING LOCATION
 - DESIGNATES FOREST CONSERVATION EASEMENT
 - DESIGNATES FIELD DRAIN CONTOURS
 - DESIGNATES CONTOURS DERIVED FROM HOWARD COUNTY TOPO MAP
 - DESIGNATES SOIL TYPE BOUNDARY
 - DESIGNATES WOODS LINE/TREES
 - ALL VISIBLE EXISTING WELLS AND SEWAGE DISPOSAL AREAS WITHIN 100' OF THE PROPERTY AND WELLS WITHIN 200' DOWNSLOPE OF THE PROPERTY SHOWN HAVE BEEN SHOWN.
 - SOIL TYPES:
 - (WhA) --- WILTSHIRE SILT LOAM - 0-3% SLOPES
 - (GbC) --- GARDISTON LOAM - 0-15% SLOPES
 - (MaD) --- MANOR LOAM - 15-25% SLOPES
 - DEARINGS 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 COMBINED 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 GARN.
 - THE PURPOSE OF THIS PLAN 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.

SHANBERGER & LANE
 6776 TOWN & COUNTRY BLVD.
 SUITE 201
 ELICOTT CITY, MD 21043
 PHONE: 410 461-9563
 FAX: 410 461-9563

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 KNOWLEDGE, BELIEF AND FAITH.

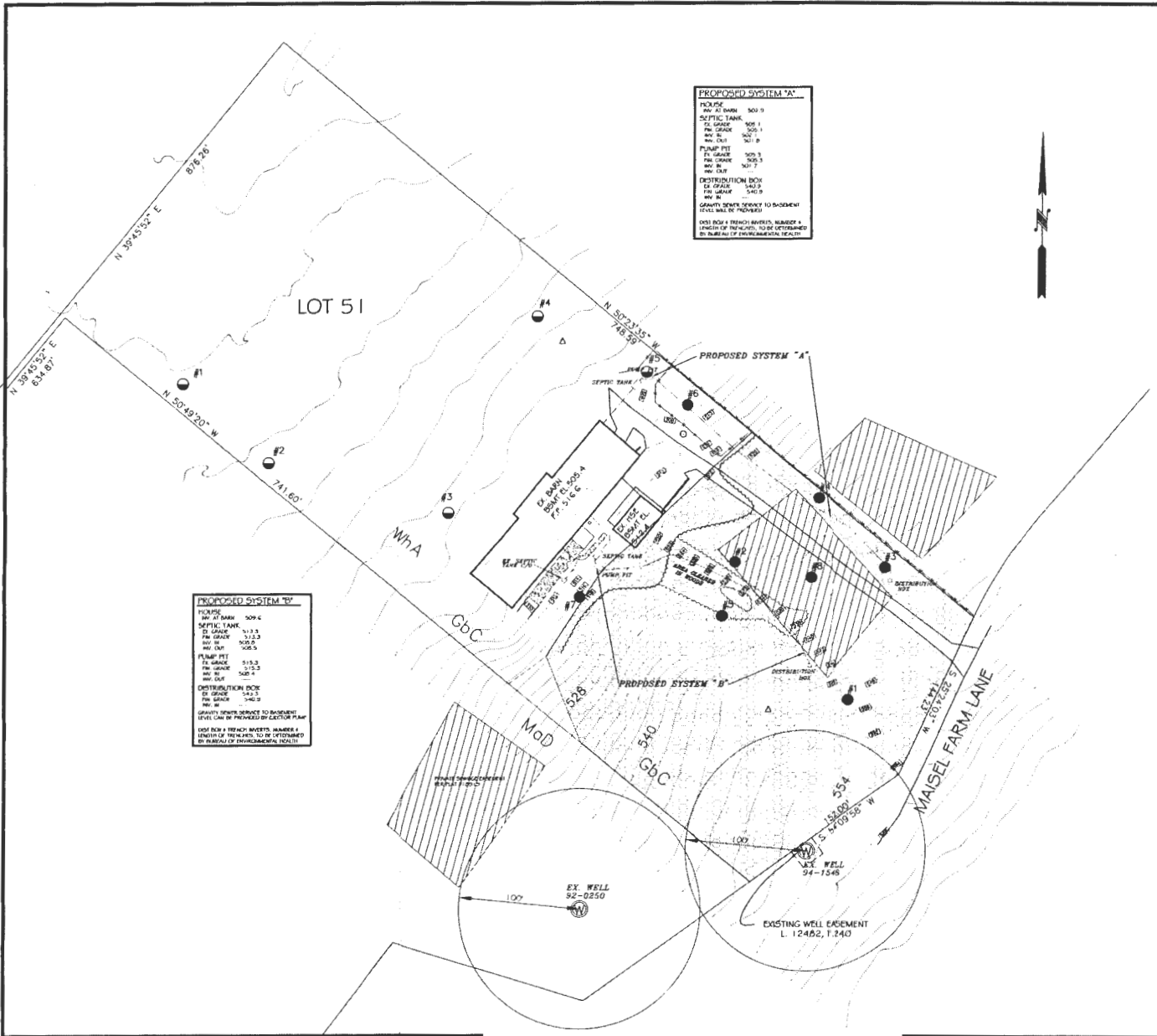
[Signature]
 PROFESSIONAL LAND SURVEYOR

APPROVED: FOR PRIVATE WATER AND SEWERAGE SYSTEMS

[Signature] 2/1/10
 COUNTY HEALTH OFFICER

PURPOSE: REPLACE EXISTING SEPTIC SYSTEM

PERC CERTIFICATION PLAN - A/531052
 PROPERTY OF HONG TAO MA
 4268 MAISEL FARM LANE
 ELICOTT 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"

PUMP PIT
 FIN GRADE 505.9
 SEPTIC TANK
 FIN GRADE 505.1
 PUMP PIT
 FIN GRADE 501.8
 FIN GRADE 505.9
 FIN GRADE 505.9
 FIN GRADE 501.7
 FIN GRADE 501.7

DISTRIBUTION BOX
 FIN GRADE 540.9
 FIN GRADE 540.9
 FIN GRADE 540.9

GRAVITY WELLS SUBJECT TO BUREAU OF ENVIRONMENTAL HEALTH
 LEVEL CAN BE PROVIDED BY EJECTOR PUMP

EXISTING WELL #1 TRENCH DEPTH NUMBER & LENGTH OF TRENCH TO BE DETERMINED BY BUREAU OF ENVIRONMENTAL HEALTH

PROPOSED SYSTEM "B"

PUMP PIT
 FIN GRADE 509.6
 SEPTIC TANK
 FIN GRADE 513.3
 FIN GRADE 513.3
 FIN GRADE 509.9
 FIN GRADE 508.5

DISTRIBUTION BOX
 FIN GRADE 542.3
 FIN GRADE 542.3
 FIN GRADE 542.3

GRAVITY WELLS SUBJECT TO BUREAU OF ENVIRONMENTAL HEALTH
 LEVEL CAN BE PROVIDED BY EJECTOR PUMP

EXISTING WELL #1 TRENCH DEPTH NUMBER & LENGTH OF TRENCH 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.
- DESIGNATES SUCCESSFUL PERC TEST LOCATION
 - DESIGNATES FAILED PERC TEST LOCATION
 - DESIGNATES EXISTING WELL LOCATION
 - DESIGNATES EXISTING BUILDING LOCATION
 - DESIGNATES FOREST CONSERVATION EASEMENT
- ALL VISIBLE EXISTING WELLS AND SEWAGE DISPOSAL AREAS WITHIN 100' OF THE PROPERTY AND WELLS WITHIN 200' DOWNSLOPE OF THE PROPOSED SOA HAVE BEEN SHOWN.
- SOIL TYPES:
 - (WMA) - WATSHIRE Silt LOAM - 0-3% SLOPES
 - (GDC) - GLADSTONE LOAM - 0-15% SLOPES
 - (MMS) - 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 DISCUSSION AND DISTANCE, AND UNLAWFULLY 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
 8776 TOWN & COUNTRY BLVD.
 SUITE 201
 ELLICOTT CITY, MD 21043
 PHONE: 410-461-9563
 FAX: 410-461-9673

PERC CERTIFICATION OF THIS PLAN IDENTIFY THAT THE INFORMATION SHOWN HEREON REFLECTS FIELD WORK TO BE DONE BY THE USER OR MY DIRECT SUPERVISION AND IS CORRECT TO THE BEST OF MY PROFESSIONAL KNOWLEDGE AND BELIEF.

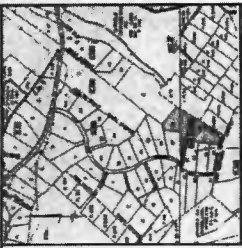
[Signature]
 PROFESSIONAL LAND SURVEYOR
 STATE OF MARYLAND
 NO. 11117

APPROVED: FOR PRIVATE WATER AND SEWERAGE SYSTEMS

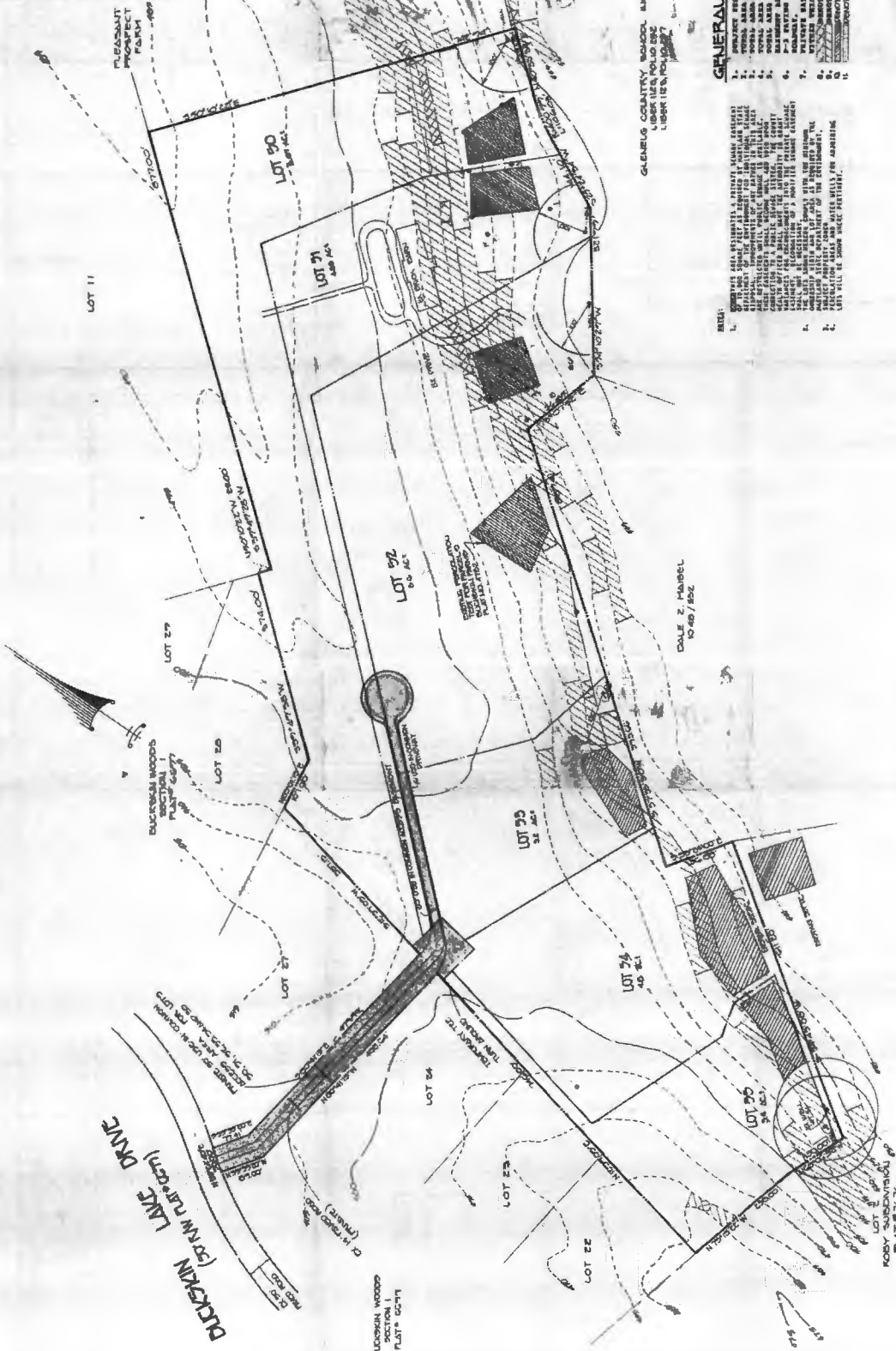
[Signature]
 COUNTY HEALTH OFFICER

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



VICINITY MAP
SCALE: 1"=100'



GLENEUS COUNTY, WOODS AC
LORR 125, 104, 103, 102, 101, 100, 99, 98, 97, 96, 95, 94, 93, 92, 91, 90, 89, 88, 87, 86, 85, 84, 83, 82, 81, 80, 79, 78, 77, 76, 75, 74, 73, 72, 71, 70, 69, 68, 67, 66, 65, 64, 63, 62, 61, 60, 59, 58, 57, 56, 55, 54, 53, 52, 51, 50, 49, 48, 47, 46, 45, 44, 43, 42, 41, 40, 39, 38, 37, 36, 35, 34, 33, 32, 31, 30, 29, 28, 27, 26, 25, 24, 23, 22, 21, 20, 19, 18, 17, 16, 15, 14, 13, 12, 11, 10, 9, 8, 7, 6, 5, 4, 3, 2, 1

- GENERAL NOTES**
1. PROJECT PROPERTY LOTS 1-11.
 2. TOTAL AREA OF PROPERTY, 25.7 AC.
 3. TOTAL AREA OF PAVING, 100,000 SQ. YD.
 4. TOTAL AREA OF GRASS, 100,000 SQ. YD.
 5. TOTAL AREA OF ASPHALT, 100,000 SQ. YD.
 6. TOTAL AREA OF CONCRETE, 100,000 SQ. YD.
 7. TOTAL AREA OF BRICK, 100,000 SQ. YD.
 8. TOTAL AREA OF STONE, 100,000 SQ. YD.
 9. TOTAL AREA OF SAND, 100,000 SQ. YD.
 10. TOTAL AREA OF GRAVEL, 100,000 SQ. YD.
 11. TOTAL AREA OF CEMENT, 100,000 SQ. YD.
 12. TOTAL AREA OF IRON, 100,000 SQ. YD.

RECORD TITLE, "BUCKSKIN WOODS PLAT # 504",
FILED IN THE OFFICE OF THE CLERK OF SUPERIOR COURT,
COUNTY OF GLENEUS, STATE OF VIRGINIA,
ON 10/10/2000 AT 10:00 AM.
BY: [Signature]

BUCKSKIN WOODS
PLAT # 504
A RE-REVISION OF
LOT 1, 2, 3 & 4
FILED IN THE OFFICE OF THE CLERK OF SUPERIOR COURT,
COUNTY OF GLENEUS, STATE OF VIRGINIA,
ON 10/10/2000 AT 10:00 AM.
BY: [Signature]

FOR CONTINUATION PLAN



OWNER AND DEVELOPER
KOBAYASHI & ASSOCIATES, INC.
10000 WOODBURN ROAD, SUITE 100
DALLAS, TEXAS 75243

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERS, SURVEYORS & LAND SURVEYORS
10000 WOODBURN ROAD, SUITE 100
DALLAS, TEXAS 75243