



\$500

1

APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____

AP 528436

AGENCY REVIEW: _____

DATE 1/8/08

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 14 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) SON C Noh

DAYTIME PHONE 410-461-4744 CELL *443-415-6876 FAX 410-461-4745

MAILING ADDRESS 3282 Rosemary Ln West Friendship M.D 21794
STREET CITY/TOWN STATE ZIP

APPLICANT Tok Jong MO

DAYTIME PHONE *443-415-6876 CELL 443-812-6318 FAX 410-461-4745

MAILING ADDRESS 3282 Rosemary Ln West Friendship M.D 21794
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION

SUBDIVISION/PROPERTY NAME _____ LOT NO. _____

PROPERTY ADDRESS 3282 Rosemary Ln West Friendship M.D 21794
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.

Tok Jong MO
SIGNATURE OF APPLICANT

HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM
1718 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

RECEIVED

JAN 05 2003

HOWARD COUNTY HEALTH DEPT.
BUREAU OF ENVIRONMENTAL HEALTH

REMARKS _____

SANITARIAN _____ BACKHOE _____ OTHERS _____

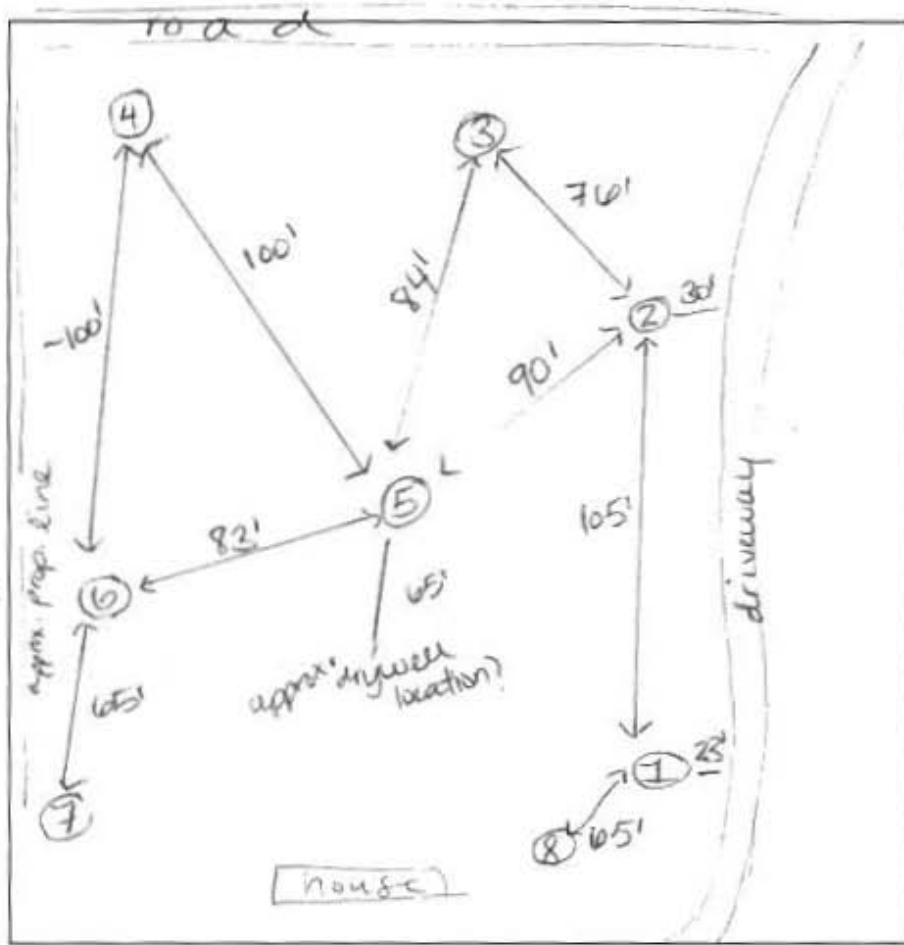
TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____

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

1
4' dk brn &
reddish
brn s&l
2csbk
4' red brn
s&l 15%
chert
common
mica
7.5' brn fs&l
platy saprolite
10% stones

2
3' brn &
3csbk
red brn
s&l
3csbk
4.5' brn fs&l
common
mica
18% chert
mica schist
platy saprolite
9' v-fs &
mica schist
No deposits
few quartz
13'

3
.5' brn &
brn s&l
3csbk
dense
3.9' yellowish
brn fs&l
common
mica
mica schist
15% chert
13'



4
1.6' dk brn
& 2csbk
4' brn s&l
dense
3csbk
13.5' brn fs&l
15% chert
common mica
platy
saprolite
(similar
to others)

5
3.4' dk brn &
dense brn
s&l
multi-
color
fs&l
Saprolite
& brn fs&l
Common mica
20% chert

6
4.5' dk brn &
dense
red brn
s&l 3csbk
2% chert
brn fs&l
common
mica
mica schist +
saprolite
gray brn
fs&l
12'

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
1-24-08	1	5' / 12'	9:28	9:31	9:34	3	P
	2	5' / 13'	9:45	9:48	9:52	4	P
	3	4.5' / 13'	10:04	10:06	10:09	3	P
	4	13.5	visual	-see profile-			P
	5	4.5' / 12.5	10:34	too slow	reshelf		
	5	5.5' / 12.5	11:03	11:05	11:10	5	P
	6	5' / 12'	10:56	10:58	11:00	2	P
	7	5' / 12'	11:34	11:37	11:43	6	P
	8	6.5' / 12'	visual				F

REMARKS all holes consistent (except #8)
 SANITARIAN HS BACKHOE South Carroll OTHERS homeowners
 TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE S/W _____

AP 528430

7

5' dk brn
l 2csbk

red brn
dense
scl 10% chert
3csbk

3' brn sl
common
mica
15% chert

↓

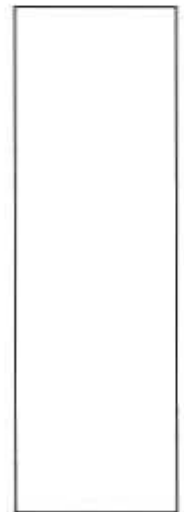
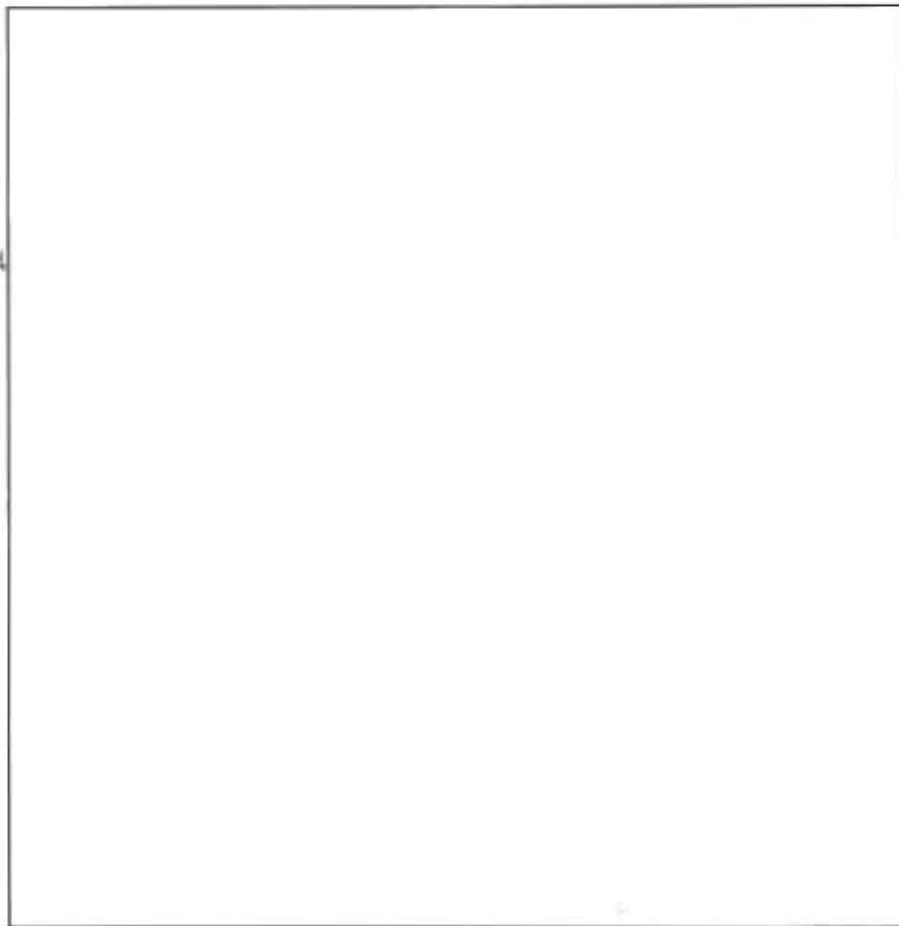
brn fsl
5% stones

12'

8

4' dk brn l
dense
heavy
brn scl
sticky
(bluish
gray fsl)
down to
~6.5'

7' brn sl
20% chert



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 _____



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

F A X



Date 1-29-08

To Mr. Li

Department _____

FAX # 410-289-0409

From Heidi Scott

Telephone 410-313-6287 FAX (410) 313-2648

Of Pages 4 (including cover page)

Comments Perc test results

CONFIDENTIALITY NOTICE

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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

January 28th, 2008

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

Tok Mo
3280 Rosemary Lane
West Friendship, MD 21794

**Re: Percolation Test Results
#A528436
3282 Rosemary Lane**

Dear Mr. & Ms. Noh,

Percolation testing was conducted at your property January 24th, 2008 in response to a building permit application for an addition consisting of 14 bedrooms. Percolation testing yielded sufficient results to indicate that there is septic system repair area to support the existing house and the proposed addition. Results also indicate soil conditions are satisfactory for onsite wastewater disposal. A total of nine test holes were dug in an area of approx. 40,000 sq. ft in the front left section of the property in order to avoid the swale and unfavorable soil conditions located on the other side of the driveway. All test holes were consistent and passed with suitable perc rates with the exception of hole #8 which consisted of approx. 7' of fill material considered unsuitable for wastewater treatment. The remaining holes consisted of sandy, micaceous soils with a low percentage of rock. Field data collected is shown on the percolation test worksheets enclosed with this letter.

At the time of testing the existing drywell appeared to be functioning properly, however the septic system will require an upgrade in order to support the proposed number of bedrooms. Also during testing there were two wells observed on the property. Well tag # HO-73-2557 is not in use and appears to be abandoned. Well tag # HO-73-2763 is currently serving the existing house but a new well will be drilled in its place to accommodate the 30' setback requirement from the proposed addition. The new well location will be proposed on the percolation certification plan. In addition, the current well must be properly sealed and abandoned by a licensed well driller and documentation must be received by the health department after the new well has been drilled.

Further review is contingent upon submission of a Percolation Certification plan per Howard County Code Sec. 3.805. You have already received the requirements for this plan. As discussed, following approval of this plan the replacement well must be drilled and the septic system upgraded prior to building permit approval.

If you have any questions regarding this evaluation please do not hesitate to contact our office at (410) 313-1771 or you may contact me directly at (410) 313-6287.

Sincerely,

A handwritten signature in black ink, appearing to read 'Heidi Scott', written over a horizontal line.

Heidi Scott
Well & Septic Program
Development Coordination Section

Enclosures

Cc: Mr. Li (sent via fax 1-28-08)

-78°57'41"



39°16'41"

39°16'41"

Disclaimer: Howard County, Maryland assumes no responsibility for the accuracy of this report or the information contained herein or derived therefrom. The user assumes all risks and liabilities whatsoever resulting from or arising out of the use of this information. There are no oral agreements or warranties relating to the use of this report.

-78°57'41"



Old perc holes

Howard County

M A R Y L A N D

By:
Office:
Map Width: 910.00 ft.
Print Date: 1/11/2008
Scale: 1 in. = 100 ft.

-76°57'41"



39°16'54"

39°16'54"



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-76°57'41"

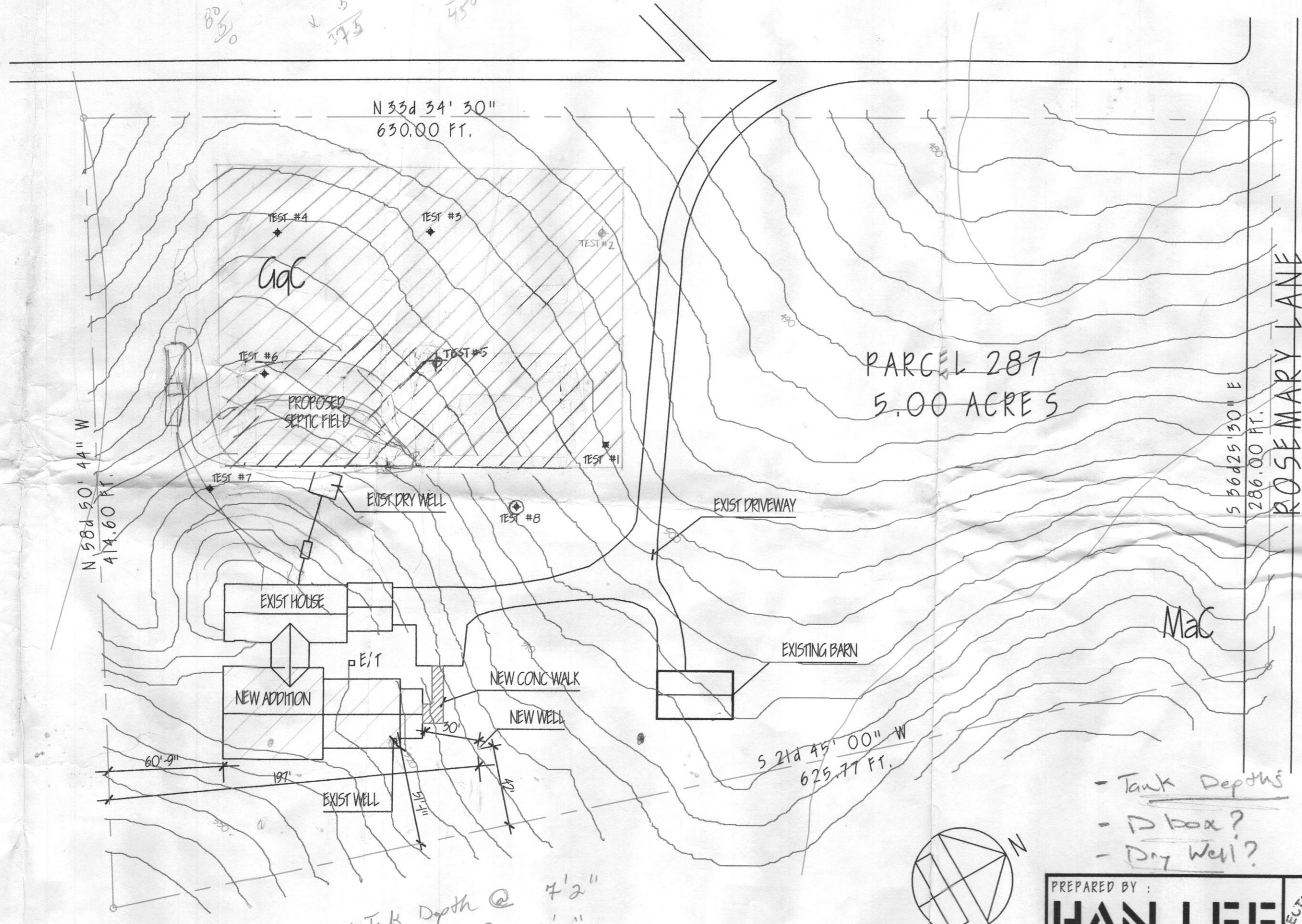


By:
 Office:
 Map Width: 910.00 ft.
 Print Date: 1/11/2008
 Scale: 1 in. = 100 ft.

Howard County

M A R Y L A N D

14x85'
 80'
 375'
 375'
 305'
 26'
 450'
 111111
 111111
 111111

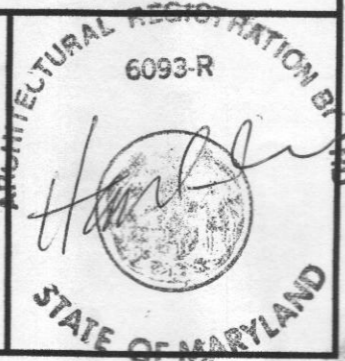


Ex Tank Depth @ 7'2"
 outlet Tank @ 9'2"

- Tank Depths
 - D box?
 - Dry Well?

SITE PLAN 1" = 50'-0"
 DATE: FEB. 2, 2008

PREPARED BY:
HAN LEE
 Han Lee Associates
 5512 Lexington Rd.
 Baltimore, MD. 21207
 410 329-3885
 410 829-0409 (fax)



GENERAL NOTES :

1. THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT.
2. ANY CHANGES TO A PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
3. THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT AS REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS EASEMENT ARE RESTRICTED. THIS EASEMENT SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE AUTHORITY TO GRANT ADJUSTMENT TO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A REVISED SEWAGE EASEMENT SHALL NOT BE NECESSARY.
4. ABANDONMENT OF THE EXISTING DRYWELL AND SEPTIC AND TANK UPGRADE SHALL BE NECESSARY PRIOR TO BUILDING PERMIT APPROVAL.
5. A REPLACEMENT WELL WILL BE DRILLED IN ORDER TO ACCOMMODATE THE 30' SETBACK FROM THE ADDITION. THE EXISTING WELL MUST BE CAPED / FILLED PROPERLY.
6. THIS PLAN IS IN SUPPORT OF BUILDING PERMIT #08000032 FOR AN ADDITION CONSISTING OF 14 BEDROOMS.
7. ALL WELL AND SEPTIC SYSTEMS WITHIN 100' OF THE PROPERTY LINE HAVE BEEN SHOWN TO THE BEST OF MY KNOWLEDGE.
8. THE TOPOGRAPHY OF THIS PLAT IS FROM HOWARD COUNTY DATA AND IS VERIFIED TO ACCURATELY REPRESENT THE RELATIVE ELEVATION CHANGES ON THE SUBJECT PROPERTY.

* passed hole 1-24-08
 * failed hole 1-24-08

#A 528436
TAX MAP: 22
TAX MAP GRID: 4
PARCEL/LOT: 287/3
DEED LIBER: 08638
DEED FOLIO: 0352

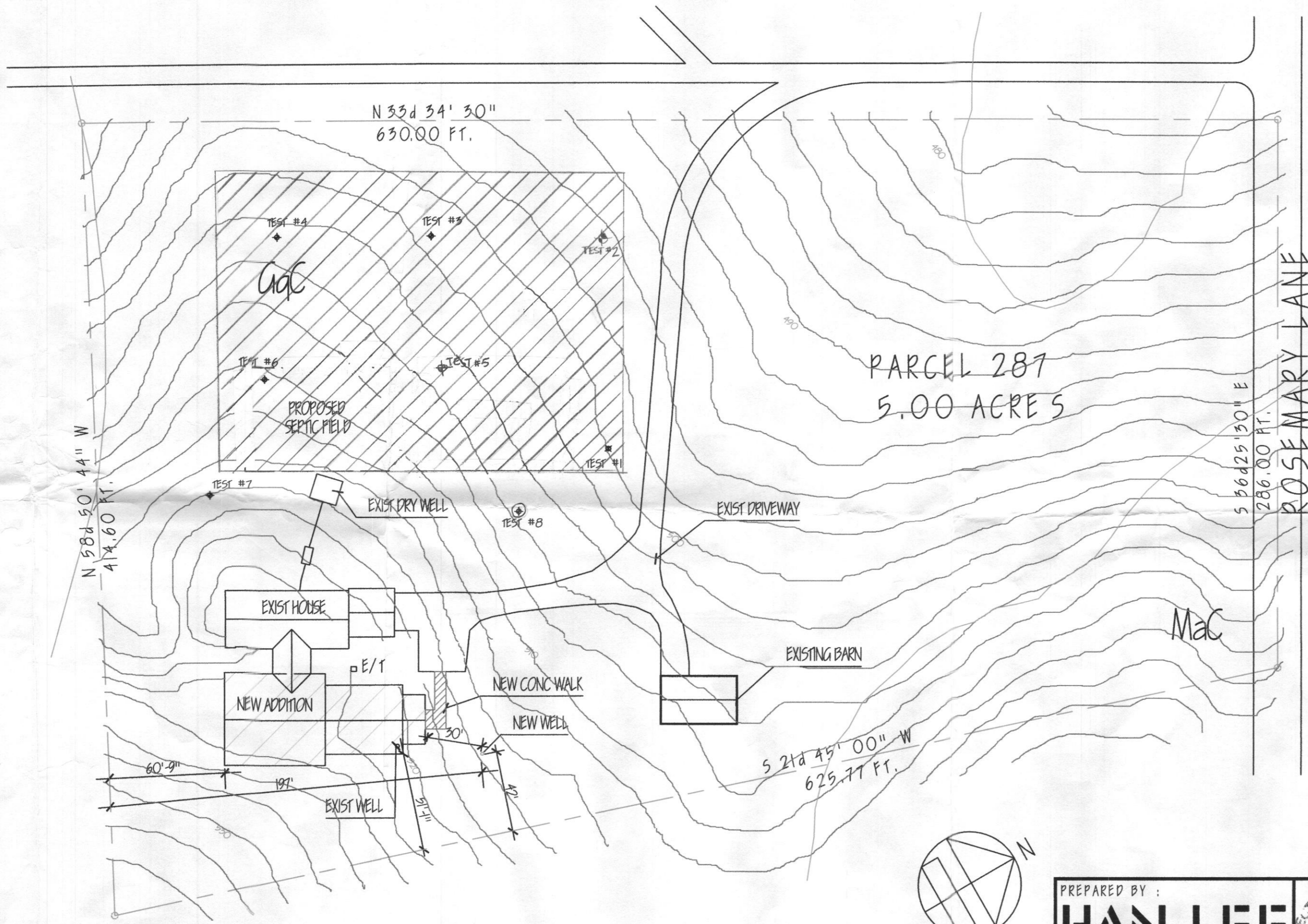
REVISED PERCOLATION CERTIFICATION PLAN
 3282 ROSEMARY LANE, WEST FRIENDSHIP, MD 21794

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...

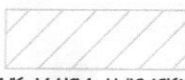
(SIGNATURE) Han Lee (DATE) 2-4-08



APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS.

(SIGNATURE) B. Wilson for Peter Bidens (DATE) 2/14/2008



GENERAL NOTES :

1. THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT.
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5. A REPLACEMENT WELL WILL BE DRILLED IN ORDER TO ACCOMMODATE THE 30' SETBACK FROM THE ADDITION. THE EXISTING WELL MUST BE CAPED / FILLED PROPERLY.
6. THIS PLAN IS IN SUPPORT OF BUILDING PERMIT #08000052 FOR AN ADDITION CONSISTING OF 14 BEDROOMS.
7. ALL WELL AND SEPTIC SYSTEMS WITHIN 100' OF THE PROPERTY LINE HAVE BEEN SHOWN TO THE BEST OF MY KNOWLEDGE.
8. THE TOPOGRAPHY OF THIS PLAT IS FROM HOWARD COUNTY DATA AND IS VERIFIED TO ACCURATELY REPRESENT THE RELATIVE ELEVATION CHANGES ON THE SUBJECT PROPERTY.

 passed hole 1-24-08
 failed hole 1-24-08

#A 528436
TAX MAP : 22
TAX MAP GRID : 4
PARCEL / LOT : 287 / 3
DEED LIBER : 08638
DEED FOLIO : 0352

REVISED PERCOLATION CERTIFICATION PLAN
3282 ROSEMARY LANE, WEST FRIENDSHIP, MD 21794

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...

(SIGNATURE) Han Lee (DATE) 2-4-08

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS.

(SIGNATURE) Brian for Peter Bidelsen (DATE) 2/14/2008

SITE PLAN 1" = 50'-0"
DATE: FEB. 2, 2008

PREPARED BY :
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Baltimore, MD. 21207
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