

APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____

AP 534534

AGENCY REVIEW: _____

DATE 5-29-11

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 4 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) WILLIAM & JOAN BECKER

DAYTIME PHONE 410-442-5000 CELL _____ FAX _____

MAILING ADDRESS 15300 CARRS MILL RD. WOODBINE MD 21797
STREET CITY/TOWN STATE ZIP

APPLICANT MILDENBERG, BOENDER & ASSOCIATES

DAYTIME PHONE 410-997-0296 CELL 410-440-7337 FAX 410-997-0298

MAILING ADDRESS 6800 DEERPATH RD. ELKRIDGE MD 21075
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION

SUBDIVISION/PROPERTY NAME BECKER PROPERTY LOT NO. 1

PROPERTY ADDRESS CARRS MILL ROAD WOODBINE, MD 21797
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 14 GRID 2 PARCEL(S) 188 PROPOSED LOT SIZE 41,000 SQ. FT.

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]
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



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

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

DATE: May 10, 2011

TO: William and Joan Becker
15300 Carrs Mill Road
Woodbine, Maryland 21797

RE: **Percolation Test Results**

Purpose: Establish Septic Reserved Area
Property ID: Becker Property
15300 Carrs Mill Road
Woodbine, Maryland 21797
Tax Map: 14, Parcel: 188, Grid: 2

Mr. and Mrs. Becker:

Percolation testing was recently conducted May 10, 2011 on the above referenced property, in an effort to establish sufficient septic reserve area.

Results indicate satisfactory soil conditions for onsite wastewater disposal and adequate septic reserve area to support a single family dwelling.

A total of 5 test holes were dug. Field data collected is shown on the Percolation Test Worksheets enclosed with this letter. A new reserve area with 2 repairs was established on the lot. Acceptable ranges for recommended inlet and trench bottom depth, and usable sidewall are indicated, and may be confirmed at the time of installation.

The next step in this process is to have your engineer /consultant submit a Percolation Certification Plan. The Percolation Certification Plan must illustrate that the proposed SDA is adequate enough to support an initial system and two (2) replacement systems. If you have any questions regarding this evaluation or requirements for the Percolation Certification Plan, please contact me at the above address or by telephone at (410) 313-2775.

Respectfully,

Dana Bernard

Dana Bernard, REHS/RS
Bureau of Environmental Health
Well and Septic Program
Phone (410) 313-2775
E-mail: DBernard@howardcountymd.gov

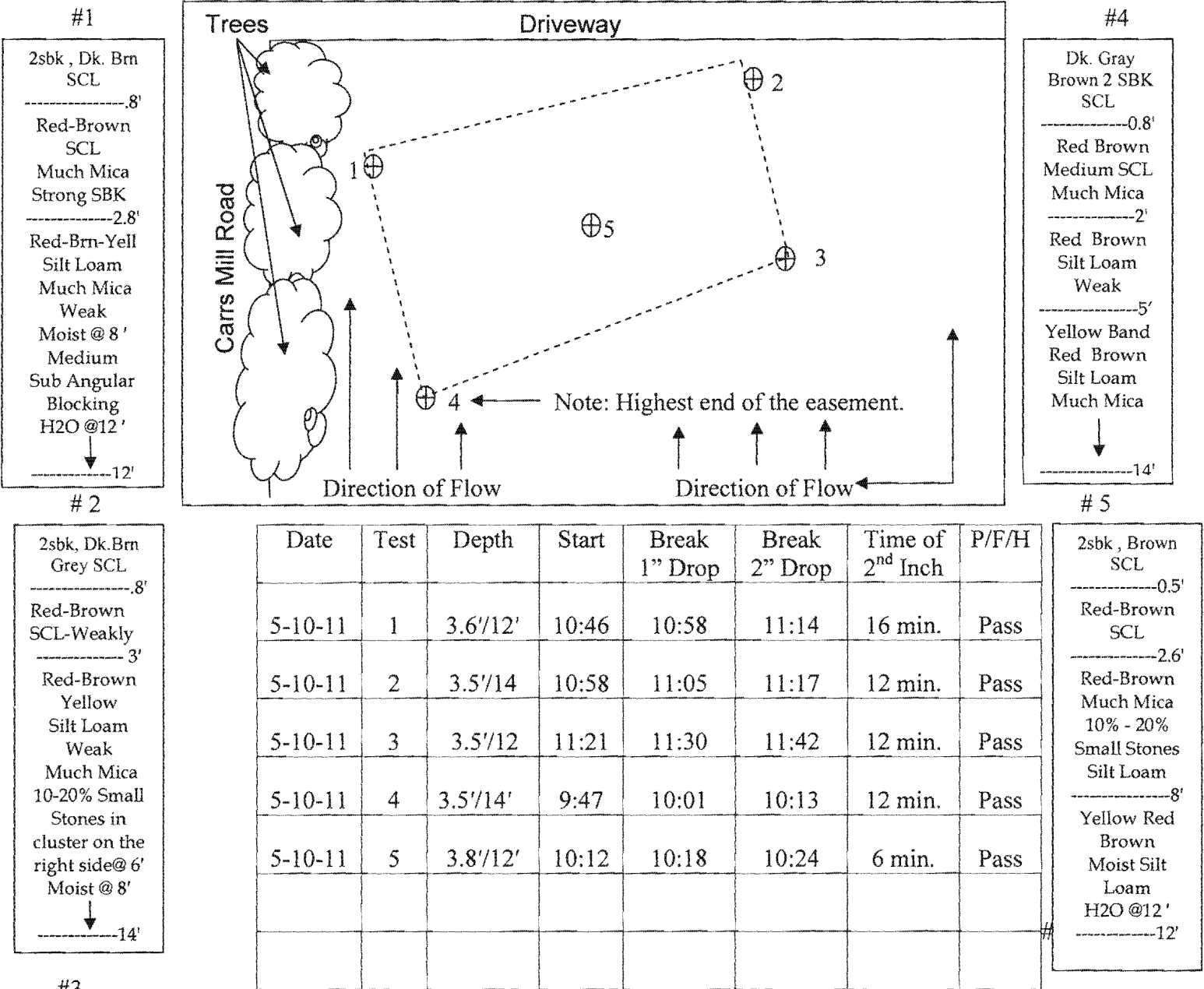
DLB

Enclosure

cc: Well & Septic program file
Mildenberg, Boender, and Associates, Inc.
C/o Mark Sweadner

Percolation Information- 15520 Carrs Mill Road

NOT TO SCALE



Remarks: Percolation area suitable to establish a functional SDA.

Sanitarian D.B. Backhoe: Brandon Smith Others: Homeowner

Test Holes Used in 5 Avg. Perc Time 14 min. SQ.FT/BR 150/4

Trench Width 3' Inlet Depth 4' Max Bot.Depth 6' Effective S/W 2'

#3
2sbk , Grey
Brown
SCL
-----0.8'
Red-Brown
SCL
-----3'
Red-Brown
Silt Loam
10-15%
Small Stones
Much Mica
-----8'
Yellow Red
Brown
Moist Silt
Loam
H2O @12'
-----12'

#5
2sbk , Brown
SCL
-----0.5'
Red-Brown
SCL
-----2.6'
Red-Brown
Much Mica
10% - 20%
Small Stones
Silt Loam
-----8'
Yellow Red
Brown
Moist Silt
Loam
H2O @12'
-----12'

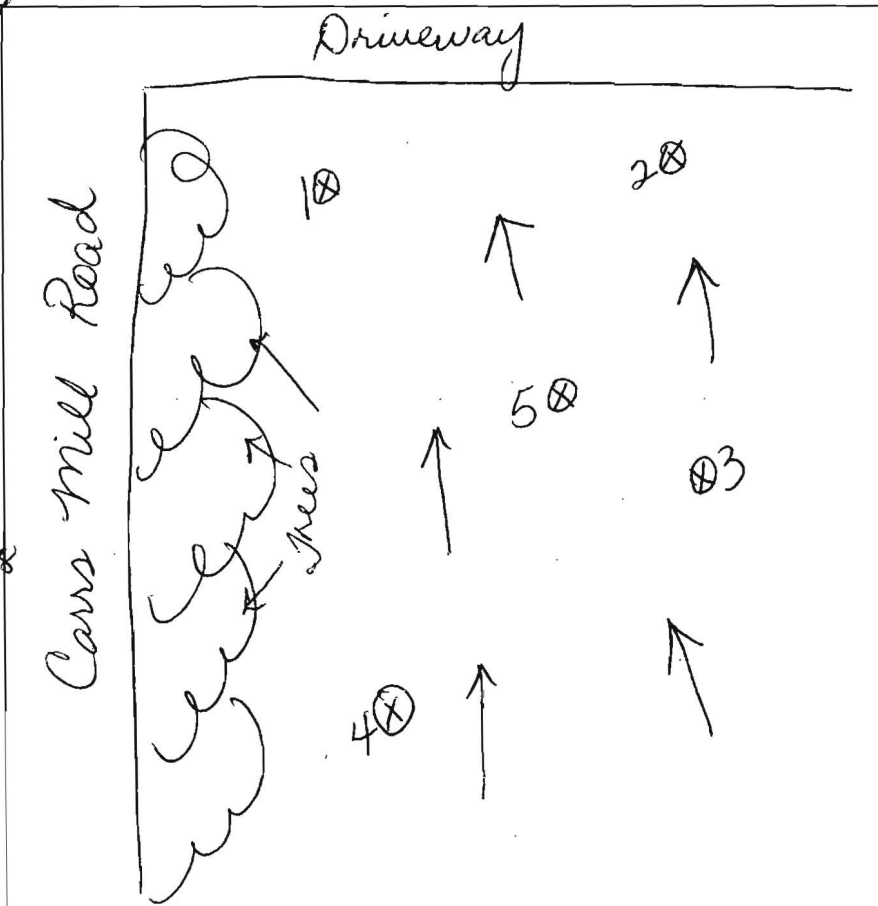
15520 Carrs Mill Road #4

AP A534534

#1
2SBK, DK Brown
SCL 0.8'
Red Brown
SCL
much mica
strong SCL 2.8'
Red Brown
yellow
Silt Loam
much mica
weak
moist @ 8'
med Sub
Angular Blasting
H2O @ 12' 12'

#2
2SBK, DK Brown
Grey SCL 0.8'
Red Brown
SCL-Weakly 3'
Red-Brown
yellow
Silt Loam
Weak.
much mica
10-20% Small
Stones in
clusters on
the right
side @ 14'
moist @ 14'

#3
2SBK Grey
Brown SCL 0.8'
Red-Brown
SCL 3'
Red-Brown
Silt Loam
10-15%
Small Stones
much mica 8'
Yellow Red
Brown moist
Silt Loam
H2O @ 12' 12'



DK Grey
Brown
2SBK
SCL 0.8'
Red Brown
medium
SCL
much
mica 2'
Red Brown
Silt Loam
Weak 5'
Yellow Red
Brown
moist Silt
Loam
H2O @ 14' 14'

#5
2SBK, Brown
SCL 0.5'
Red Brown
SCL 2.6'
Red Brown
much mica
10%-20%
Small
Stones
Silt Loam 8'
Yellow Red
Brown
moist Silt
Loam
H2O in
Bottom 12'

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
5-10-11	1	3.6'/12	10:40	10:58	11:14	16 min.	P
5-10-11	2	3.5'/14	10:58	11:05	11:17	12 min.	P
5-10-11	3	3.5'/12	11:21	11:30	11:42	12 min.	P
5-10-11	4	3.5'/14	9:47	10:01	10:13	12 min.	P
5-10-11	5	3.8'/12	10:12	10:18	10:24	6 min.	P

REMARKS
SANITARIAN Bernard BACKHOE Brandon Smith Cnt. OTHERS Homeowner
TEST HOLES USED IN SDA 5 AVG. PERC TIME 12 SQ. FT/BR
TRENCH WIDTH 3' INLET DEPTH 4' MAX. BOT DEPTH 6' EFFECTIVE S/W 2

OWNER

WILLIAM R. BECKER
JOAN M. BECKER
15300 CARRS MILL ROAD
WOODBINE, MD 21797
(410) 442-5000

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT

Michael J. Davis
HOWARD COUNTY HEALTH OFFICER

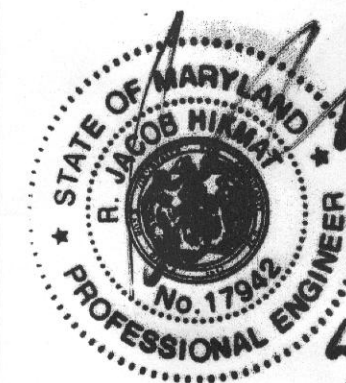
6/30/2011
DATE

GRAPHIC SCALE

(IN FEET)
1 inch = 100 ft.

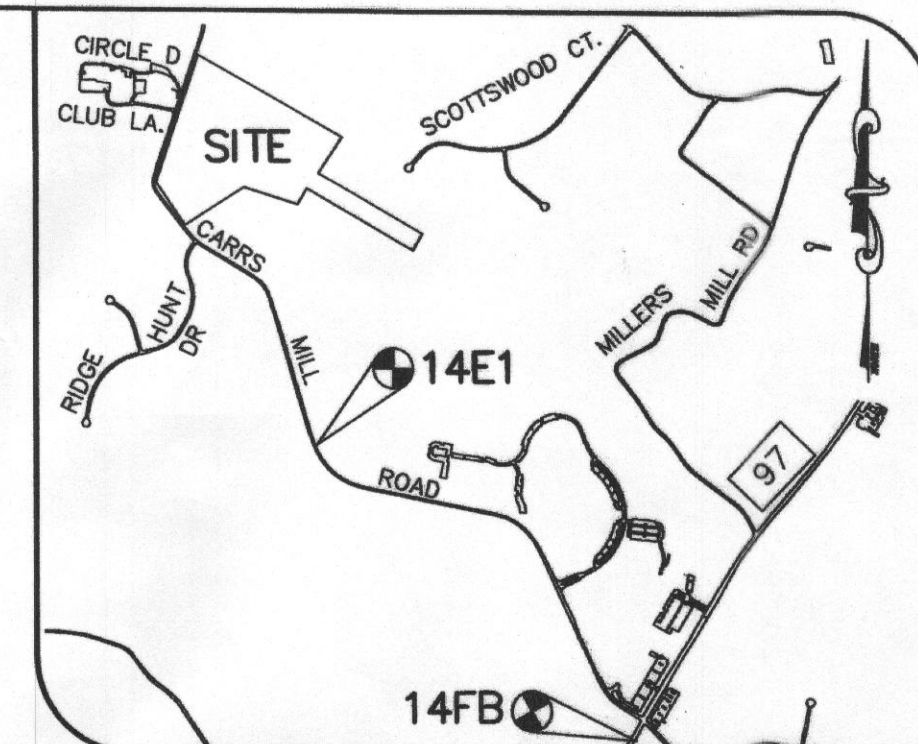
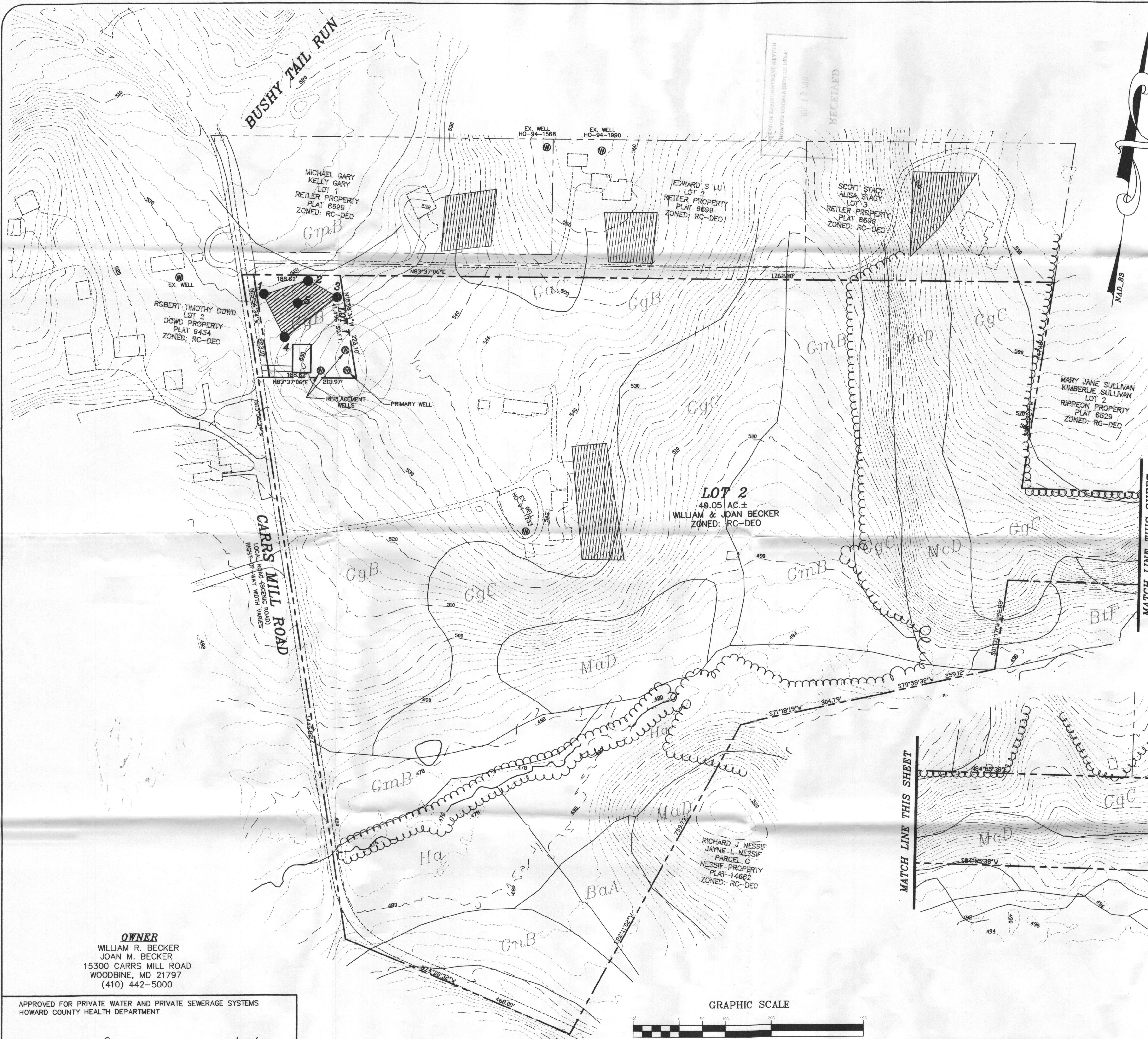
SOILS DESCRIPTION (LOT 1)

GgB- GLENELG LOAM, 3-8% SLOPES, WELL DRAINED.



5/24/11

*Signed
Per Cert*

**GENERAL NOTES:**

- THE SUBJECT PROPERTY IS ZONED RC-DEO PER THE 2/2/2004 COMPREHENSIVE ZONING PLAN.
- PARCEL BACKGROUND:**
TAX MAP: 188
DEED REFERENCE: LIBER 4056 FOLIO 111
ELECTION DISTRICT: FOURTH
ZONING: RC-DEO
AREA: 50.00 ACRES
ADDRESS: 15300 CARRS MILL ROAD
- TOPOGRAPHY SHOWN HEREON IS AT 2' INTERVALS AND IS BASED ON AERIAL TOPOGRAPHIC SURVEY BY HOWARD COUNTY AND FIELD RUN IN THE AREA OF THE NEW STRUCTURE, SEPTIC FIELD & WELL BY MILDENBERG, BOENDER AND ASSOC. INC.
- PRIVATE WELL AND SEPTIC WILL BE UTILIZED.
- SOILS DATA BASED ON HOWARD COUNTY SOIL SURVEY DATED 2001.
- THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF AT LEAST 10,000 SQ. FT. AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS EASEMENT 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 SEWERAGE EASEMENT, & RECORDATION OF A MODIFIED EASEMENT SHALL NOT BE NECESSARY.
- THIS AREA DESIGNATES AN EXISTING SEWERAGE EASEMENT
- THIS SYMBOL DESIGNATES A PROPOSED WELL LOCATION
- THIS SYMBOL DESIGNATES AN EXISTING WELL
- THIS SYMBOL DESIGNATES A PASSED SEPTIC TEST HOLE
- TO THE BEST OF OUR KNOWLEDGE ALL ADJACENT RELEVANT WELL AND SEPTIC SYSTEMS WITHIN 100 FEET OF THE PROPERTY HAVE BEEN SHOWN.
- NO FLOODPLAIN EXISTS ON-SITE.
- THE PARCEL SHOWN HEREON COMPLY WITH MINIMUM OWNERSHIP LOT WIDTH AND AREA AS REQUIRED BY MDE.
- NO STEEP SLOPES EXIST ON-SITE.
- ANY CHANGES TO A PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVISED PERC CERTIFICATION PLAN.
- ALTERNATE WELL LOCATIONS ARE TO BE AT LEAST 10 FEET FROM PROPERTY LINES AND 100 FEET FROM SEWERAGE EASEMENT AND 10 FEET FROM HOUSE FOUNDATION



MILDENBERG, BOENDER & ASSOC., INC.
Engineers Planners Surveyors
6800 Deerpath Road, Suite 150, Elkridge, MD 21076
(410) 997-0296 Bldg. (410) 997-0298 Fax

BECKER PROPERTY
TAX MAP 14 - GRID 2 - PARCEL 188
FOURTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

PERC CERTIFICATION PLAN

project	date	illustration	scale	description	revisions
05-008	MAY 2011	MES	1" = 100'		
		RJH			

no.	date	description	revisions

11-005 BECKER.DWG/PERC-PLATING

OWNER

WILLIAM R. BECKER
JOAN M. BECKER
15300 CARRS MILL ROAD
WOODBINE, MD 21797
(410) 442-5000

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT

William R. Becker
HOWARD COUNTY HEALTH OFFICER

6/23/2011
DATE

GRAPHIC SCALE



(IN FEET)
1 inch = 100 ft.

SOILS DESCRIPTION (LOT 1)

GgB- GLENELG LOAM, 3-8% SLOPES, WELL DRAINED.



5/24/11

BUSHY TAIL RUN

ROBERT TIMOTHY DOWD
LOT 2
DOWD PROPERTY
PLAT 9434
ZONED: RC-DEO

MICHAEL GARY KELLY GARY
LOT 1
RETLER PROPERTY
PLAT 6695
ZONED: RC-DEO

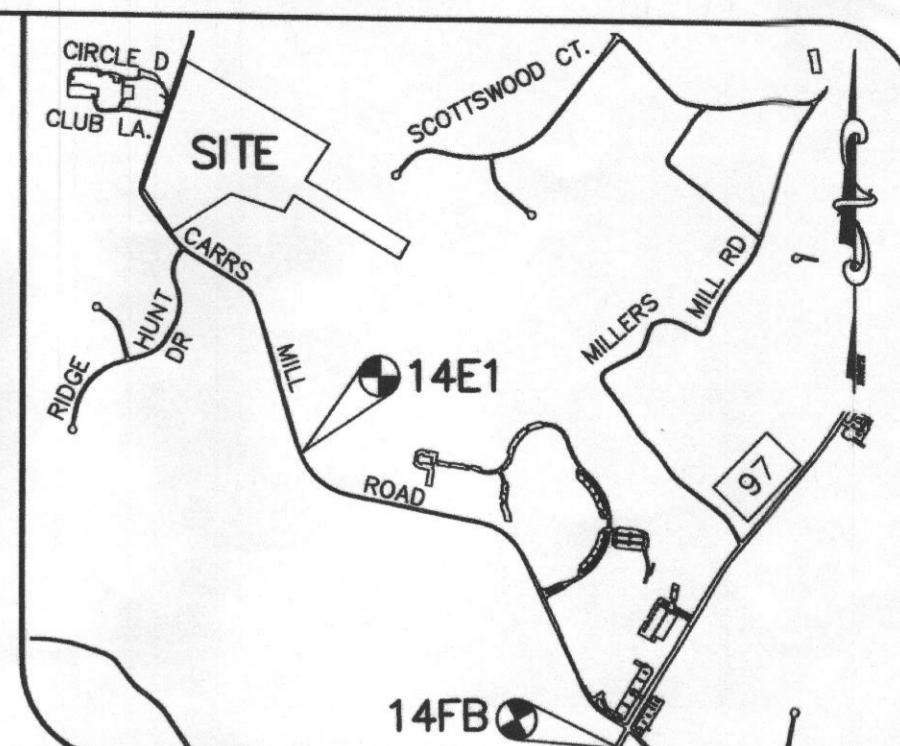
EDWARD S. LU
LOT 2
RETLER PROPERTY
PLAT 6695
ZONED: RC-DEO

SCOTT STACY ALISA STACY
LOT 3
RETLER PROPERTY
PLAT 6695
ZONED: RC-DEO

LOT 2
49.05 AC.±
WILLIAM & JOAN BECKER
ZONED: RC-DEO

MARY JANE SULLIVAN
KIMBERLIE SULLIVAN
LOT 2
RIPPEON PROPERTY
PLAT 6529
ZONED: RC-DEO

RICHARD J. NESSIF
JAYNE L. NESSIF
PARCEL G
NESSIF PROPERTY
PLAT 14662
ZONED: RC-DEO



VICINITY MAP
SCALE: 1" = 200'

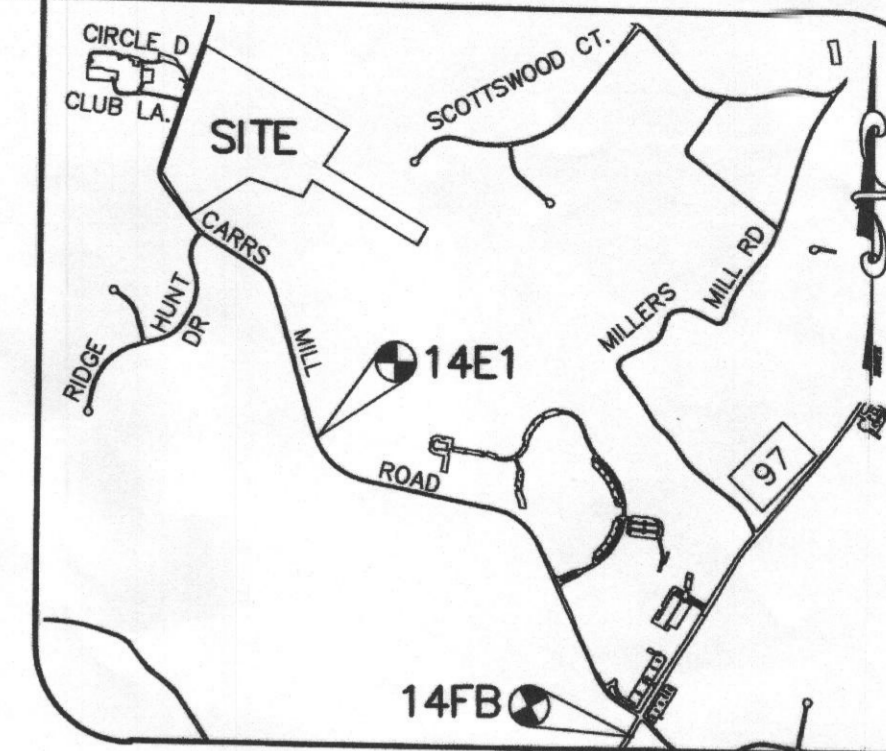
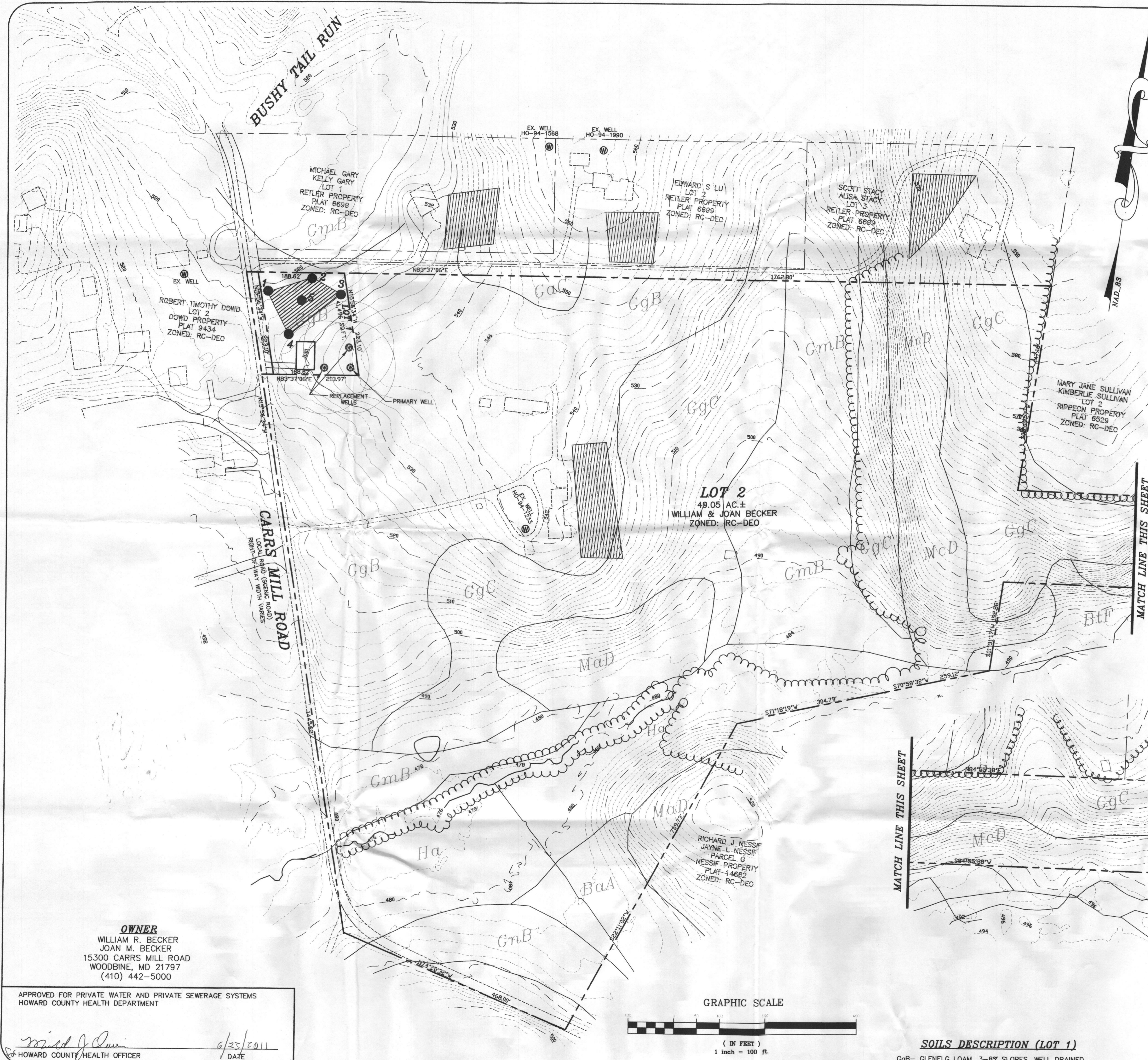
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project	date	description	revision
05-008	MAY 2011	engineering	1
MES	RJH	approval	1
scale	1" = 100'		

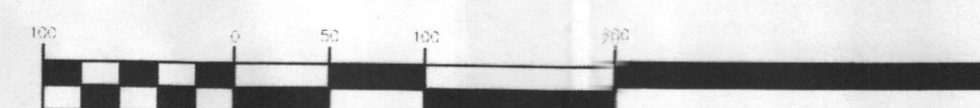
VICINITY MAP
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MATCH LINE THIS SHEET

MATCH LINE THIS SHEET

GRAPHIC SCALE

(IN FEET)
1 inch = 100 ft.**SOILS DESCRIPTION (LOT 1)**

GgB- GLENELG LOAM, 3-8% SLOPES, WELL DRAINED.



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PERC CERTIFICATION PLAN

project	date	engineering	approval
05-008	MAY 2011	MES	RH
illustration	scale	1" = 100'	

no.	description	revisions	date

