



APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____

AP 530293

AGENCY REVIEW: _____

DATE 2/2/09

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 1 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) RICHARD & VIVIAN MCCARTHY

DAYTIME PHONE 410.409.3451 CELL SAME FAX _____

MAILING ADDRESS 14013 CELBRIDGE CT, GLENWOOD MD 21798
STREET CITY/TOWN STATE ZIP

APPLICANT _____

DAYTIME PHONE _____ CELL SAME FAX _____

MAILING ADDRESS _____
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION
SUBDIVISION/PROPERTY NAME SAME LOT NO. _____

PROPERTY ADDRESS _____
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 22 GRID 1 PARCEL(S) 110 PROPOSED LOT SIZE _____

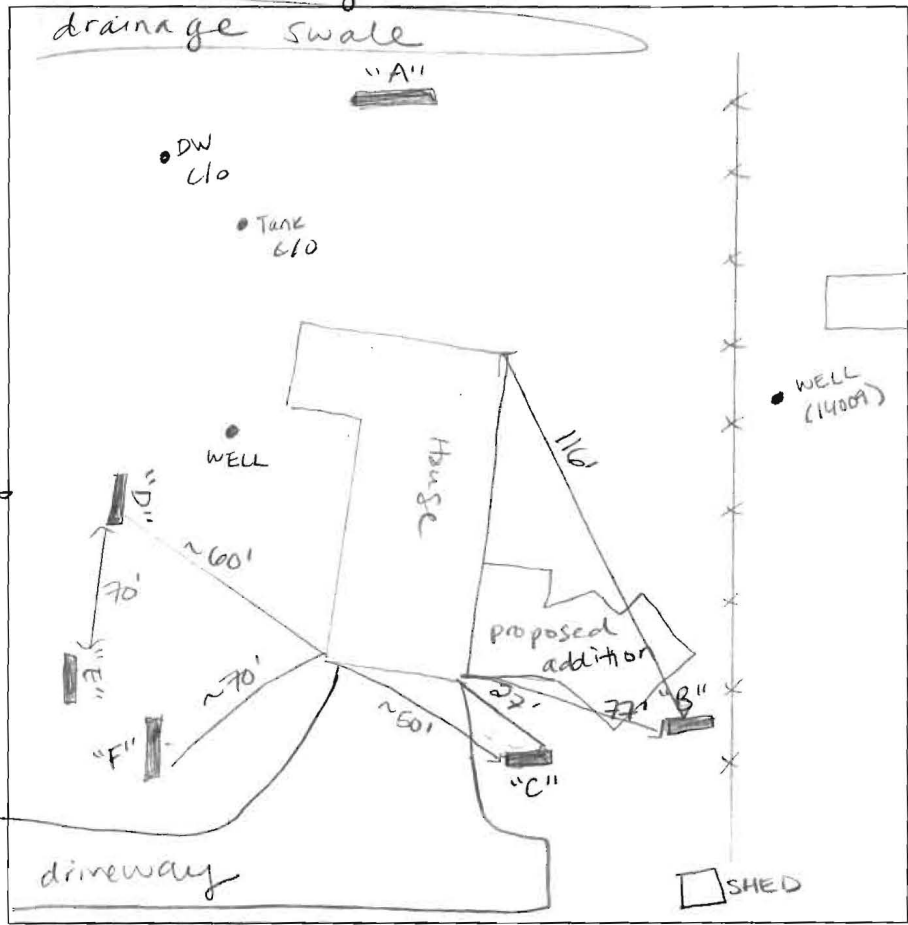
AS APPLICANT, I UNDERSTAND THE FOLLOWING: THE SYSTEM INSTALLED SUBSEQUENT TO THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS APPLICATION IS COMPLETE WHEN ALL APPLICABLE FEES AND A SUITABLE SITE PLAN HAVE BEEN RECEIVED. I ACCEPT THE RESPONSIBILITY FOR COMPLIANCE WITH ALL M.O.S.H.A. 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) 313-2640 FAX (410) 313-2648
TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH

Celbridge Dr.

AVP _____



A
 8' brn l fskbk
 yellow brn scl fskbk
 3' org brn fsl
 ~7' dense grayish cl (perched H₂O?)
 15' slightly moist @ 10' Mn coatings brn fsl

B
 1' brn l sbk
 4.5' org brn scl 2 fskbk
 yellow brn fsl weakly cemented rx & saprolite
 9' brn scl 20% coarse chert fsl Mn deposits @ 12'

C
 4' brn l sbk
 org brn scl fskbk
 8' yellow brn scl saprolite
 15' yellow brn fsl saprolite few mica
 weakly cemented rx bottom 13'

Celbridge Ct.

D
 8' brn l fskbk
 4-5' red brn scl
 red brn fsl many mica
 ↓ saprolite v fsl
 Mn deposits @ 11' bottom 13.5'

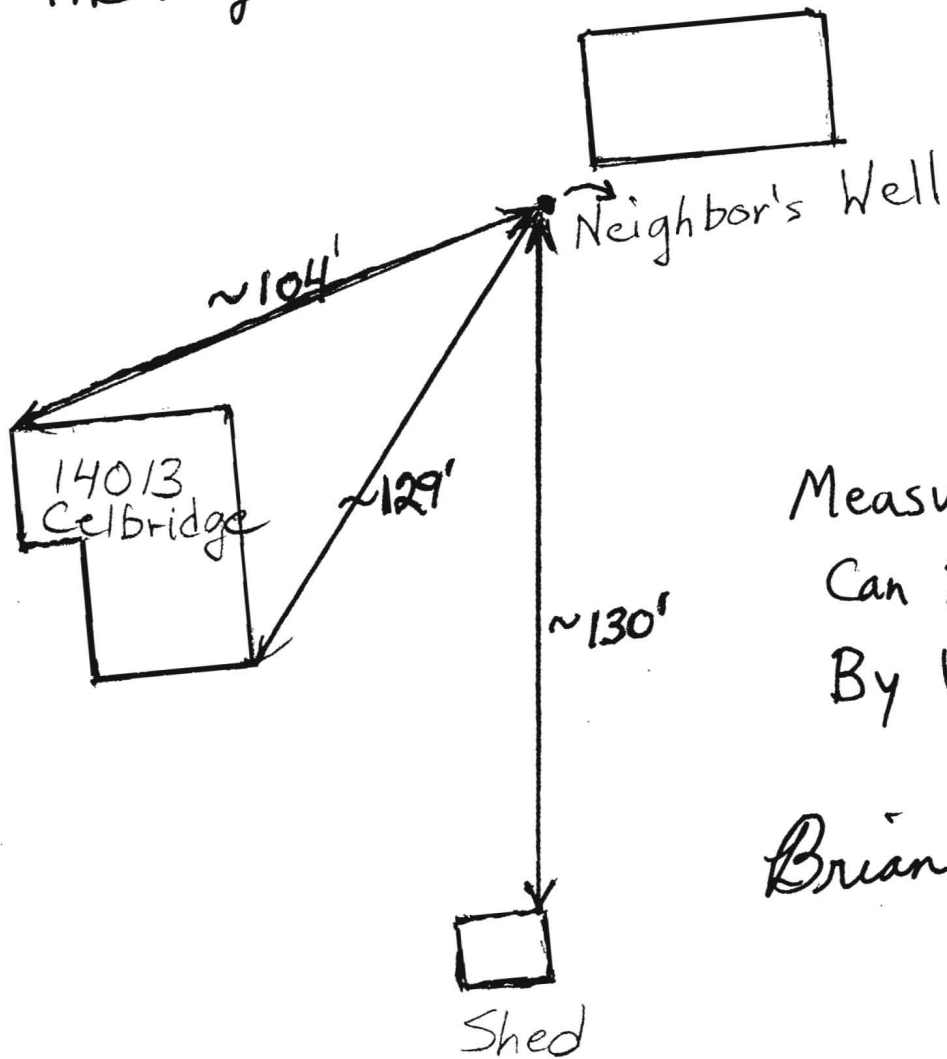
E
 1' brn l sbk
 3.6' org brn scl field material shale
 org brn fsl few mica few traces of field material & platy schist
 ↓ brn v fsl 12'

F
 5' brn l sbk
 red brn scl 2 fskbk
 4' yellow brn fsl many mica saprolite
 ↓ mica schist HB @ 13'

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
4-22-09	A	4.5' / 15'	9:48	10:03	no movement		
	A	5.5' / 15'	10:06	no movement			F
	B	5.3' / 15'	11:34	11:35	11:37	2	
	B	repour	11:39	11:42	11:45	3	P
	C	6' / 13'	12:38	12:40	12:43	3	P
	D	6' / 13.5'	1:39	1:44	1:49	5	P
	E	12'	visual		due to fill marginal in upper 4'		P
	F	6' / 13'	2:28	2:34	2:44	10	P

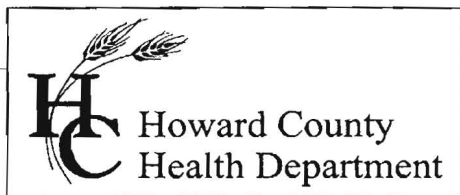
REMARKS Poured H₂O @ bottom of "B" & "C" (rates acceptable)
 SANITARIAN HS BACKHOE Kenny OTHERS K. Wolf, B. Baker, D. Bernard
 TEST HOLES USED IN SDA 0 AVG. PERC TIME 4.6 SQ. FT/BR
 TRENCH WIDTH 2 INLET DEPTH 3' 4' MAX. BOT DEPTH 8 EFFECTIVE SW 2'

Heidi,
Here's the approximate location of
the neighbor's well for that Celbridge
Upgrade,



Measurements
Can Be Off
By Up to 3'!

Brian



Bureau of Environmental Health

7178 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

April 28th, 2009

Richard & Vivian McCarthy
14013 Celbridge Ct.
Glenwood, MD 21738

**Re: PERCOLATION TEST RESULTS
#A530293**

Dear Mr. & Mrs. McCarthy,

Percolation testing was conducted at the above referenced property on April 22nd, 2009. This evaluation is intended to describe results, limitations found onsite and to explain various options in order to move forward with your project.

Test results indicate satisfactory and unsatisfactory soil conditions for onsite wastewater disposal. Given existing conditions on the property there is limited septic reserve area to support the existing house with the proposed addition. This is mostly due to the location of your existing well and the neighboring well located at 14009 Celbridge Dr. All wells must be at least 100 feet from any septic easements or septic system components.

Test hole "A" failed due to high clay content and unacceptable perc rates at various depths. However, suitable soils for a conventional septic system were found in the vicinity of the proposed addition and in the front of the property facing Celbridge Ct. In order to upgrade your existing septic system and certify one of these areas as your drainfield, the addition must be reconfigured to meet the 10' setback from a septic easement, or a new well must be drilled to a more favorable location in order to maintain a 100' setback. In addition, to utilize any area in the vicinity of test holes "B" and "C" (the area of the addition) a variance must be requested from the Health Dept. due to the neighboring well that is located within 200 feet downgradient of this location.

The existing drywell was also evaluated at the time of testing. The wastewater level observed in the drywell is at full capacity but was not yet indicating signs of failure at the grounds surface.

Field data collected is shown on the Percolation Test Worksheets enclosed with this letter. Acceptable ranges for recommended inlet and trench bottom depth, and usable sidewall have been provided, and may be confirmed at the time of installation.

Further review of this project is contingent upon submission of a Percolation Certification Plan. To reduce complications and ensure a more timely process it is encouraged that you pursue the services of a professional surveyor, engineer, or environmental consultant who has the ability to draft such a plan and is familiar with the plan requirements in Howard County. Following approval of the Percolation Certification Plan a septic permit can be issued for your required

septic upgrade. Plan requirements and additional information can be found at:
http://www.howardcountymd.gov/Health/HealthMain/EnvironmentalHealth/EnvironmentalHealth_WaterSewerage.htm

If you would like to schedule an appointment to discuss these results or have any questions regarding this evaluation or requirements for the Percolation Certification Plan, please contact me at (410) 313-6287.

Sincerely,



Heidi Scott
Well & Septic Program
Development Coordination Section

Cc:

File

SHANABERGER & LANE

Surveying • Land Planning • Construction Stakeout

May 18, 2009

Mr. Richard McCarthy
14013 Celbridge Ct.
Glenwood, MD 21738

Mr. McCarthy:

We wish to submit the following proposal for surveying work on your property known as 14013 Celbridge Ct. (Tax Map 22, Grid 1, Parcel 110, Lot 9) in Howard County, MD.

Percolation Certification Plat:


We will perform all surveying work necessary in order to prepare a plat for submission to the Howard County Bureau of Environmental Health showing the proposed changes to your lot. We will prepare and submit the plat and respond to comments that the Bureau may have.

\$ 2380.00

I believe this covers all the work that you have requested. We will bill for the work as it is performed, with the bills due in 15 days. If the bills becomes overdue, we reserve the right to take steps to recover our fees plus court costs and a reasonable attorney's fee. If this proposal is acceptable, please sign a copy of it, initial next to the items you wish for us to proceed with, and return it to us along with a \$360 retainer as a notice to proceed. We expect to be able to begin the work within 1 week of receipt of a notice to proceed. If you have any questions or wish to change something in this proposal please let me know.

→ PAID CASH
5/18/09

Sincerely,


Guy R. Shanaberger
Project Manager

APPROVED:



ADDRESS:

14013 Celbridge Ct
Glenwood, md 21738

Prpsl1230.doc

NOTES:

1. TOPOGRAPHY SHOWN WITHIN THE LOT ITSELF WAS FIELD RUN BY SHANABERGER & LANE IN MAY 2009. TOPOGRAPHY SHOW OUTSIDE THE LOT IS FROM HOWARD COUNTY TOPO MAPS.
2. THIS AREA DESIGNATES A PROPOSED PRIVATE SEWAGE DISPOSAL AREA AS REQUIRED BY THE MD. STATE DEPT. OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. 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.
 - DESIGNATES EXISTING WELL LOCATION
 - DESIGNATES EXISTING HOUSE LOCATION
 - DESIGNATES FIELD-RUN CONTOURS
 - DESIGNATES CONTOURS DERIVED FROM HOWARD COUNTY TOPO MAPS
 - DESIGNATES SOIL TYPE BOUNDARY
 - DESIGNATES PROPOSED WELL AREA AND WELL
 - DESIGNATES EXISTING SEPTIC SYSTEM COMPONENTS (PER PERMIT #P33322 DATED 11/22/83, #P14588 DATED 6/18/69, #P50019 DATED 5/13/97, #P14230 DATED 1/17/69, #P57295 DATED 9/27/96, AND #P45881 DATED 8/31/90)
 - DESIGNATES PROPOSED SDA
 - DESIGNATES SUCCESSFUL PERC TEST DUG 4/22/09 OR SOIL BORING DUG 6/2/09
 - DESIGNATES FAILED PERC TEST DUG 4/22/09
4. THE LOT SHOWN HEREON IS EXEMPT FROM THE MINIMUM OWNERSHIP AND LOT AREA REQUIREMENTS BY THE MD STATE DEPARTMENT OF THE ENVIRONMENT BECAUSE IT WAS CREATED BEFORE 1985
5. ALL VISIBLE AND PROPOSED EXISTING WELLS AND SEWAGE DISPOSAL AREAS WITHIN 100' OF THE PROPERTY AND WITHIN 200' DOWNSLOPE OF THE PROPOSED SDA HAVE BEEN SHOWN.
6. SOIL TYPES: GLENELC LOAM (GgB)
GLENELC-BAILE SILT LOAM (GnB)
7. BEARINGS, DISTANCES, AND ACREAGE SHOWN HEREON ARE FROM AVAILABLE PLAT OF RECORD.
8. EXISTING SEPTIC SYSTEM WILL BE UPGRADED TO ACCOMMODATE AN INCREASE OF ONE (1) BEDROOM PRIOR TO BUILDING PERMIT APPROVAL.
9. ANY CHANGES TO A PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERC CERTIFICATION PLAN.
10. PROPERTY IS ZONED RR-DEO.
11. FOR FUTURE REPAIRS A PUMP TANK AND PUMP SYSTEM WILL BE REQUIRED.

PURPOSE: ADJUST SDA TO OBTAIN BUILDING PERMIT (ADDITION TO HOUSE)

OWNER:
RICHARD K. MCCARTHY
VIVIAN C. MCCARTHY
14013 CELBRIDGE CT
GLENWOOD, MD. 21738
PHONE: (410)-409-3451

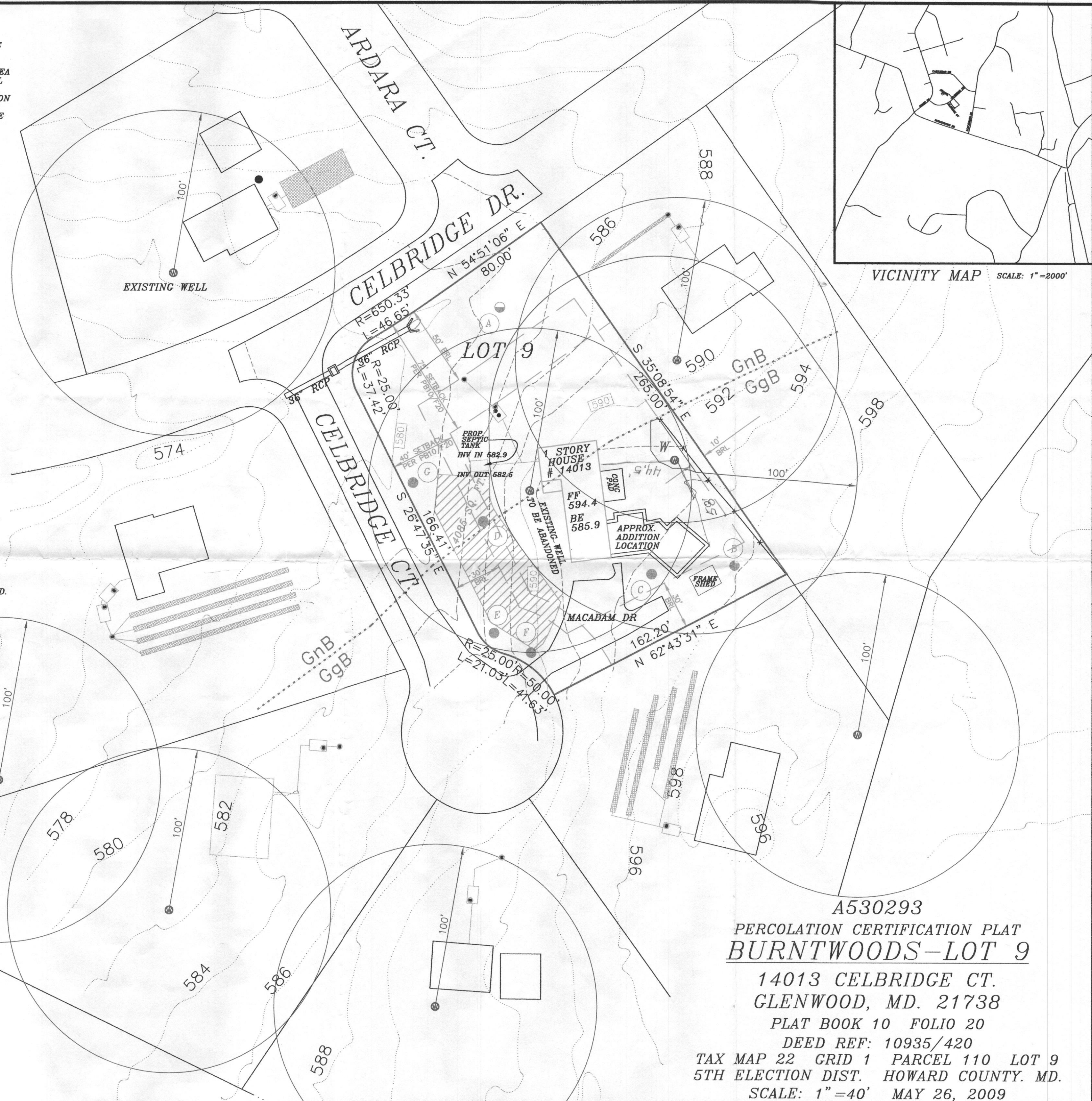
APPROVED: FOR PRIVATE WATER AND SEWERAGE SYSTEMS

Richard K. Peter Beilensen 6/23/2009
COUNTY HEALTH OFFICER DATE

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.

Scott Shanaberger
G. SCOTT SHANABERGER
PROFESSIONAL LAND SURVEYOR #10849

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



A530293
PERCOLATION CERTIFICATION PLAT
BURNTWOODS-Lot 9
14013 CELBRIDGE CT.
GLENWOOD, MD. 21738
PLAT BOOK 10 FOLIO 20
DEED REF: 10935/420
TAX MAP 22 GRID 1 PARCEL 110 LOT 9
5TH ELECTION DIST. HOWARD COUNTY. MD.
SCALE: 1"=40' MAY 26, 2009