

PUB. SEWER STATUS VERIFIED BY _____

ISSUE DATE: 09/11/09

PERMIT

P 531915

APPROVAL DATE: 9/25/09

A UPGRADE

Tax ID # 03-288307

ON-SITE SEWAGE DISPOSAL SYSTEM HOWARD COUNTY HEALTH DEPARTMENT BUREAU OF ENVIRONMENTAL HEALTH

HATFIELDS EQUIPMENT IS PERMITTED TO INSTALL ALTER

ADDRESS: PO Box 519, Annapolis Junction MD 20701 PHONE NUMBER: 301-490-4289

SUBDIVISION: _____ LOT NUMBER: 9

ADDRESS: 14013 Celbridge Court PROPERTY OWNER: Richard McCarthy

SEPTIC TANK CAPACITY (GALLONS): 1500

PUMP CHAMBER CAPACITY (GALLONS): N/A Trenches 40', 55' + 60'

NUMBER OF BEDROOMS: 4

SQUARE FOOTAGE (OF HOUSE): _____

LINEAR FEET OF TRENCH REQUIRED: 165 / 55'

TRENCHES:	Trench to be 2.0 feet wide. Inlet at 4.0 feet below original grade. Bottom maximum depth 8.0 feet below original grade. Effective area begins at 4.0 feet below original grade. 4.0 feet of stone below the distribution pipe.
LOCATION:	Run 1 x 50' and 2 x 55' trenches on contour.
ADDITIONAL NOTES:	Layout inspection required prior to installation. Existing septic tank and dry well must be abandoned. Install new septic tank per plan unless otherwise directed by HCHD. Keep tank 100' from new well.

PLANS APPROVED: Heidi Scott DATE: 6/30/2009

- NOTE: PERMIT VOID AFTER 2 YEARS
- NOTE: CONTRACTOR RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS
- NOTE: WATERTIGHT SEPTIC TANKS REQUIRED
- NOTE: ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL
- NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS

NEITHER THE HOWARD COUNTY COUNCIL OR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT CALL 410-313-2640 FOR INSPECTION OF SEPTIC SYSTEM

NOT TO SCALE

See As-Built Drawing
On Separate Sheet

ROAD NAME

TRENCH/DRAINFIELD DATA

WIDTH 2' INLET 4-5' BOTTOM 8'-9'

NUMBER OF TRENCHES 3
TOTAL LENGTH 155'
ABSORPTION AREA 620
DISTRIBUTION BOX LEVEL Yes
DISTRIBUTION BOX BAFFLE Yes
DISTRIBUTION BOX PORT Yes

SEPTIC TANK DATA

SEPTIC TANK 1 LEVEL Yes
MANUFACTURER Babylon
CAPACITY 1500 GAL
SEAM LOC Top
TANK LID DEPTH 10.5-25'
BAFFLES Yes
BAFFLE FILTER No
MANHOLE LOC Front
6" PORT LOC Rear
WATERTIGHT TEST No
SLOTTED Yes
DATE ON LID No

PUMP/SEPTIC TANK LEVEL Yes

MANUFACTURER Babylon
CAPACITY 1250 GAL
SEAM LOC Top
TANK LID DEPTH 0.5-1.5'
BAFFLES Front
BAFFLE FILTER No
MANHOLE LOC Middle
6" PORT LOC None
WATERTIGHT TEST No
SLOTTED No
DATE ON LID No

PRE-CONSTRUCTION:

9/21/09 Laid out 3 trenches on contour in the part of the easement that's open. Need pump tank to get to upper part of easement. (BB)

9/24/09 Tanks set. House connection made. Started on pump line. Found fill in trench area and had to lay out trenches differently. (BB) 9/25/09 System

INSTALLATION:

finished. Pump and alarm working. (BB)

FINAL INSPECTOR

B. Baker

DATE OF APPROVAL

9/25/09



MARYLAND DEPARTMENT OF THE ENVIRONMENT

1800 Washington Boulevard • Baltimore MD 21230

410-537-3000 • 1-800-633-6101

Martin O'Malley
Governor

Shari T. Wilson
Secretary

Anthony G. Brown
Lieutenant Governor

Robert M. Summers, Ph.D.
Deputy Secretary

January 26, 2009

Richard McCarthy
14013 Celbridge Ct,
Glenwood, Maryland 21738

RE: Tax Map 22, Grid 1, Parcel 110

Dear Mr. McCarthy:

Thank you for completing an application for the Bay Restoration Fund (BRF) Onsite Sewage Disposal System (OSDS) Program. The pre-application submitted is for your property located at 14013 Celbridge Ct, Glenwood, Maryland 21738 and shown on Tax Map 22, Grid 1, Parcel 110. A review of the application indicates a high priority for funding. This letter is to notify you of preliminary approval for funding from the BRF for the installation of best available technology (BAT) for removing nitrogen as part of your on-site sewage disposal system.

This notification letter is intended to assist you through the process of obtaining proper BAT installation bids and invoicing procedures to obtain funding from the BRF. The following sections outline the requirements necessary for proceeding with the project.

Submission of Bids

The applicant must acquire bids from at least three separate manufacturers and at least 2 different installers for a minimum total of 3 bids to MDE for review. The installer can act as agent on behalf of the applicant but still must also supply a separate installer bid. A list of manufacturers is included in this letter. If you need additional participating installer information please contact your designated Project Manager or go to http://www.mde.state.md.us/Water/CBWRF/osds/bat_installers.asp for a list of installers. Bids must include the following:

- The installer, whether they are a manufacturer representative or one chosen by the property owner, must submit a separate installation quote with each manufacturer bid on a separate piece of paper from the manufacturer quote or the bid will be considered incomplete.
- Bids must be itemized. The manufacturer bid is to include the purchase cost of the unit and all other MDE requirements while the installation cost of the unit is to include the unit installation, components, and labor (including electrical connections) directly related to upgrading an onsite sewage disposal system to the best available technology for removing nitrogen are eligible for funding.

The following BAT Technologies have undergone MDE review and are eligible for BRF grants:

Model Name

AdvanTex AX

Manufacturer: **Orenco Systems, Inc.** www.orenco.com
 Distributor: Robert Johnson 1-877-214-92837 bjohnson@septicystems.net

Amphidrome

Manufacturer: **F.R. Mahony & Associates, Inc.** www.frmahony.com
 Distributor: David Kershner (610) 351-0963 d.kershner@ketllc.com

Bioclere

Manufacturer: **Aquapoint, Inc.** www.aquapoint.com
 Robbie Tippett (240) 298-7572 rtipp4@aol.com
 Sam Seymour (585) 473-3300 sseymour@aquapoint.com

Ecoflex

Manufacturer: **Premier Tech Environment**
 Allison Blodig (785) 250-3215 bloa@premiertech.com

Hoot H-Series, BNR & ANR

Manufacturer: **Hoot Aerobic Systems, Inc.** www.hootsystems.com
 Distributor: Nancy Mayer (410) 796-1434 mayerbro@connext.net

MicroFAST & RetroFAST

Manufacturer: **Bio-Microbics, Inc.** www.biomicrobics.com
 Distributor: Freemire & Associates (410) 768-8500 www.freemire.com
 rsf@freemire.com

Nitrex

Manufacturer: **Lombardo Associates, Inc.** www.lombardoassociates.com
 Pio Lombardo (617) 964-2924 pio@lombardoassociates.com

ReCip RTS

Manufacturer: **Bio-Concepts, Inc.** www.bioconceptsinc.com
 Al Privette (252) 249-7040 alprivette@coastal.net

SeptiTech

Manufacturer: **SeptiTech, Inc.** www.septitech.com
 Distributor: Bruce Melton (410) 878-2952 rbmelton@progressiveseptic.com
 Western MD, Scott Everhart (304) 676-3823 www.cseenterprises.net

Singulair Model TNT

Manufacturer: **Norweco, Inc.** www.norweco.com
 Distributor: Eastern Shore - Randy Clark (800) 773-9128 ranjodan@yahoo.com
 Western Shore - Jeff Earnshaw (301) 274-3772 superiortank@olg.com

Waterloo Biofilter

Manufacturer: **Waterloo BioFilter Systems, Inc.** www.waterloo-biofilter.com
 Distributor: Jones Pump Service (410) 836-9206 manager@jonespumpservice.com

Conditions of Financial Assistance

By reading and signing this form, you agree to the limitations and conditions set forth in this document. This form must be returned with your submission of bids. Your bid submission will not be processed if this form does not accompany the bids when you submit them.

Award of Grant

- MDE will review the bids. The grant award will be obligated based on the lowest acceptable bid, however the applicant may pay the cost difference of a more expensive bid.
- The applicant will be notified by MDE as to the amount of the grant obligation and with further instructions as to how to pursue reimbursement of obligated funds.
- For awards greater than \$25,000 MDE must present a proposal to the Board Public Works for approval.
- No change orders will be accepted by MDE.
- The award amount is available for reimbursement within 6 months of Department signature on the Agreement and Easement document. Upon request of the applicant, the original 6-month period may be extended at the discretion of the Department.

Agreement and Easement

An Agreement and Easement must be completed, signed by all parties and recorded in the Land Records of Howard County Maryland. A draft copy of the Agreement and Easement is provided to you in this letter for your review. A completed Agreement will be provided to you after bids are submitted to MDE when you are notified of the grant approval amount. The purpose of this Agreement is to accomplish the following:

- To establish your voluntary participation in this program.
- To ensure that a minimum of five years operation and maintenance is performed by an approved provider (included in the upfront cost of the system).
- Allows access for State, County and the Manufacturer designee's to inspect and collect samples from the system.
- Establishes the amount of the grant award.

Local Permitting Requirements

- All required local permits must be obtained.
- Permit fees are not eligible for BRF funding.
- Contact Howard County Health Department for more information.

Issuance of Funds from the BRF

After review of the submitted invoice and associated documents, the Office of the Comptroller of the State of Maryland will issue a check to the property owner.

Once again the Department thanks you for participating in this important program. If you have any questions, please feel free to contact me at 410-537-3678 or by email at jboris@mde.state.md.us.

Sincerely,



John Boris
Bay Restoration Fund Project Manager

Enclosure

cc: Jay Prager, Deputy Program Manager
Steven Kreig, Regional Consultant
Howard County Health Department

12/15/07

NOTES:

1. TOPOGRAPHY SHOWN WITHIN THE LOT ITSELF WAS FIELD RUN BY SHANABERGER & LANE IN MAY 2009. TOPOGRAPHY SHOWN 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
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.

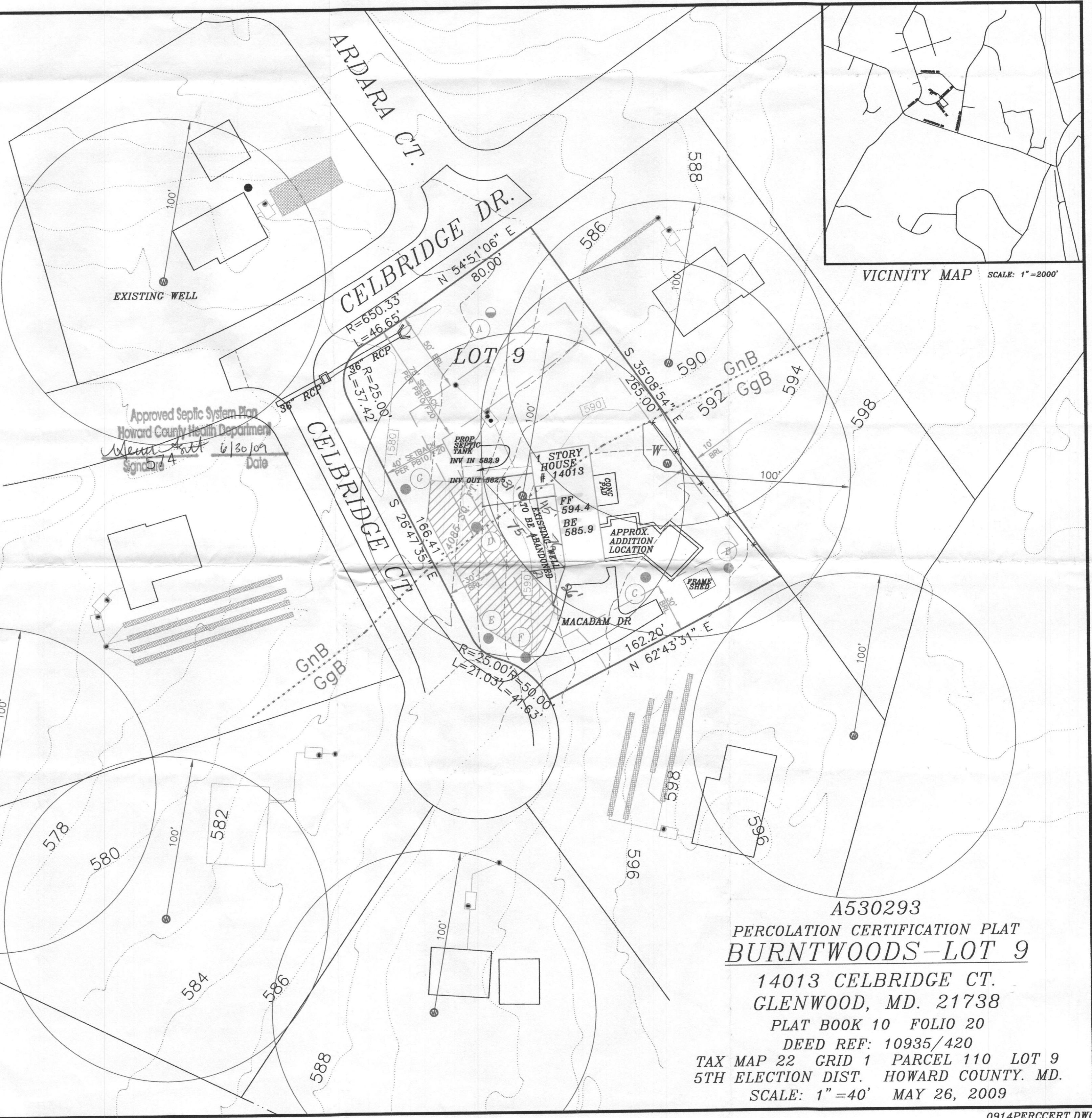
PURPOSE: ADJUST SDA TO OBTAIN BUILDING PERMIT (ADDITION TO HOUSE)

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

APPROVED: FOR PRIVATE WATER AND SEWERAGE SYSTEMS
William Foster Brilenson 6/23/2009
COUNTY HEALTH OFFICER HS 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.
Gregory Scott Shanaberger 6/24/09
G. SCOTT SHANABERGER PROFESSIONAL LAND SURVEYOR #10649 DATE

SHANABERGER & LANE
8726 TOWN & COUNTRY BLVD.
SUITE 201
ELLICOTT 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