

# APPLICATION

A 18700

## SEWAGE DISPOSAL TESTING

P \_\_\_\_\_

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT  
ENVIRONMENTAL HEALTH SERVICES  
P. O. BOX 476, ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 465-8000, EXT. 386

DISTRICT 4

DATE 7/11/73

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 Gerald Chaney (Contract Purchaser)

Levick property  
ADDRESS 963 Regina Dr., Baltimore, Md. PHONE 242-3979  
21227 465-4493

PROPERTY LOCATION:

SUBDIVISION \_\_\_\_\_ LOT NO. \_\_\_\_\_

ROAD AND DESCRIPTION Route 97 - 1st lot past the corner of Route 97 & Old Frederick Rd.  
going North

SIZE OF LOT 5.000 acres TYPE BLDG. 3

IF NOT SINGLE RESIDENCE DESCRIBE \_\_\_\_\_  
NUMBER OF BEDROOMS  
(Single Fmly. Dwlg.)

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE.

SIGNATURE OF APPLICANT /s/ Gerald Chaney

APPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_  
(KIND OF SYSTEM)

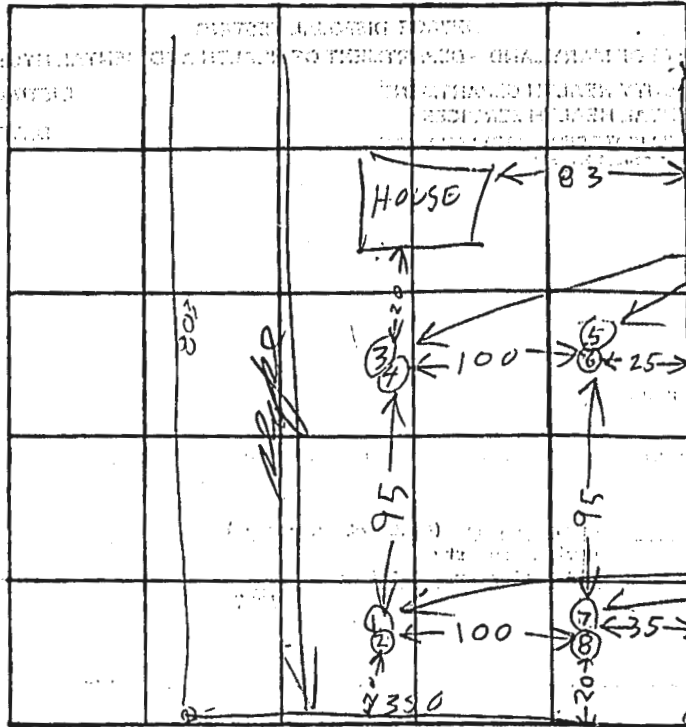
REJECTED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_  
(KIND OF SYSTEM)

HOLD PENDING FURTHER TESTS \_\_\_\_\_ DATE \_\_\_\_\_

REASONS FOR REJECTION OR HOLDING \_\_\_\_\_

# THIS IS NOT A PERMIT

# APPLICATION



HIGH HOLES:  
Use either for DW

LOW HOLES  
Use for Repair

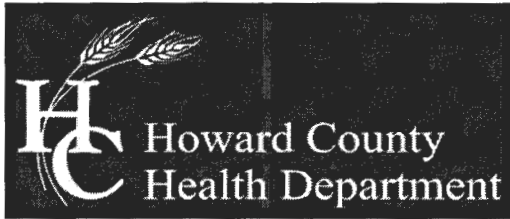
## HOODS MILL RD

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
7/3/73	1	5 1/2	1040	1042	1009	1014	7	
	2	11 1/2	1006	1008	1009	1014	7	
	3	11 1/2	1016	1020	1020	1025	5	
	4	5	1017	1023	1023	1033	10	
	5	6 1/2	1029	1030	1030	1033	3	
	6	11	TOP 5 FT CLAY BUT 1 FT SANDY DRY					
	7	6 1/2	1105	1114	1114	1126	12	
7/3/73	8	12 1/2	TOP 5 FT CLAY BUT 2 1/2 FT SANDY					

TOP 7 FT CLAY  
BOT 4 FT SAND

REMARKS \_\_\_\_\_

TYPE OF SOIL \_\_\_\_\_



Bureau of Environmental Health

8930 Stanford Boulevard, Columbia, MD 21045

Main: 410-313-2640 | Fax: 410-313-2648

TDD 410-313-2323 | Toll Free 1-866-313-6300

www.hchealth.org

Facebook: www.facebook.com/hocohealth

Twitter: HowardCoHealthDep

Maura J. Rossman, M.D., Health Officer

SEWAGE DISPOSAL SYSTEM SPECIFICATIONS WORKSHEET

Address: 1215 Hoods Mill Rd

Subdivision: Lot:

Initial system: Application rate: 0.8 Effective area beginning depth: 5 Bottom maximum depth: 7
1st Replacement: Application rate: 0.8 Effective area beginning depth: 5 Bottom maximum depth: 7
2nd Replacement: Application rate: Effective area beginning depth: Bottom maximum depth:

Design Flow = 150 gallons per day per bedroom

Design flow + application rate = square footage of drainfield required

Linear length of trench required = drainfield square footage x sidewall reduction percentage + trench width

Sidewall reduction credit formula:

(W + 2) / (W + 1 + 2D) x 100 = Percent of length of standard trench where W=trench width and D= depth between effective area beginning depth and trench bottom.

Standard design requirements:

- All trenches must be equal length unless low pressure dosed
All trenches must be on contour
Minimum trench spacing: 10' for all trenches utilizing sidewall reduction credit. Additional spacing may be necessary for any trench using over 3.5' of effective sidewall. In those cases, the spacing formula is 2D + W up to a maximum spacing of 18'.
Minimum trench spacing for trenches with no sidewall credit (bottom area only) is 6' for a 2' wide trench and 9' for a 3' wide trench (spacing is measured edge to edge)
Maximum trench length is 100'
Maximum pipe depth is 4'

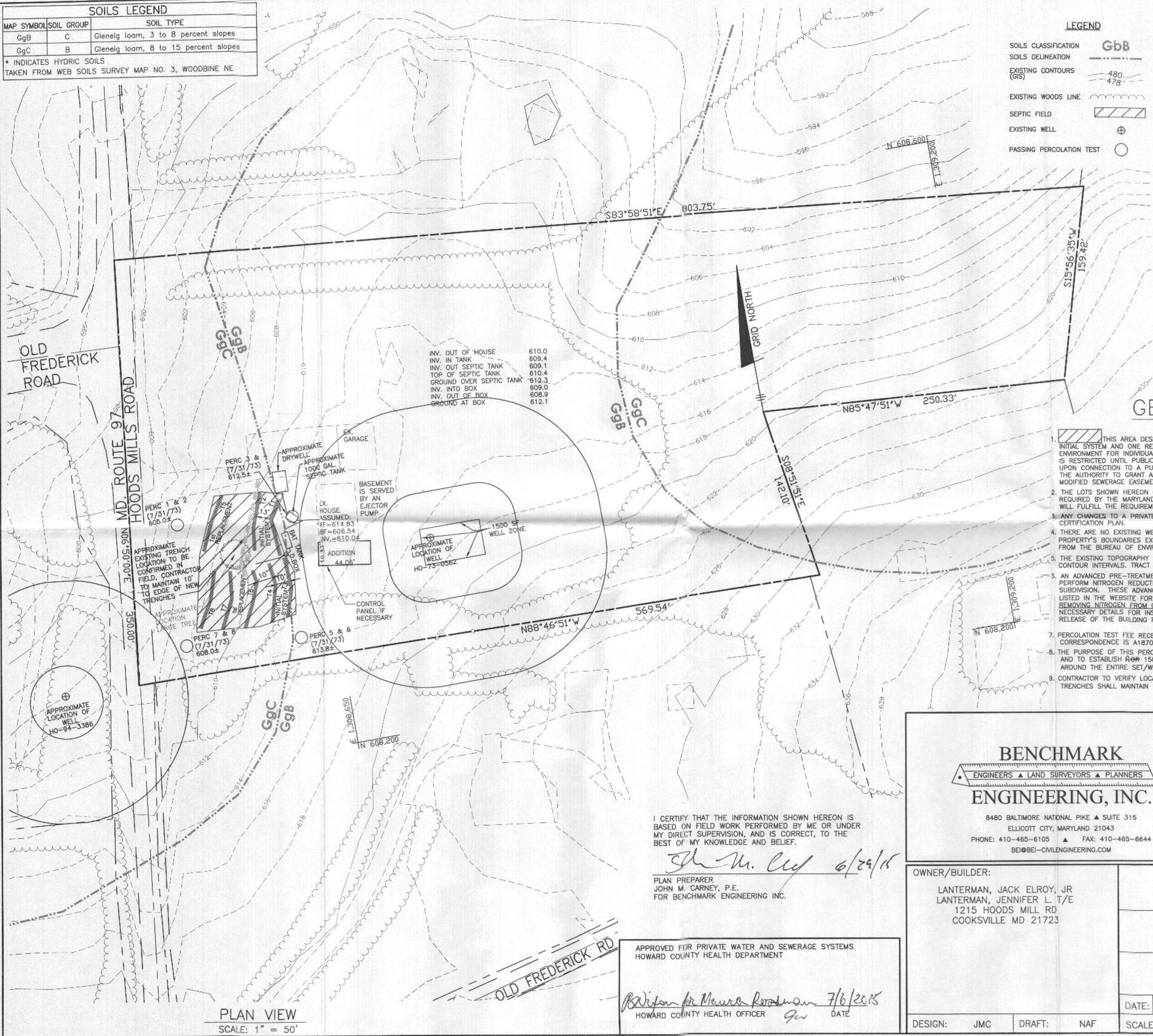
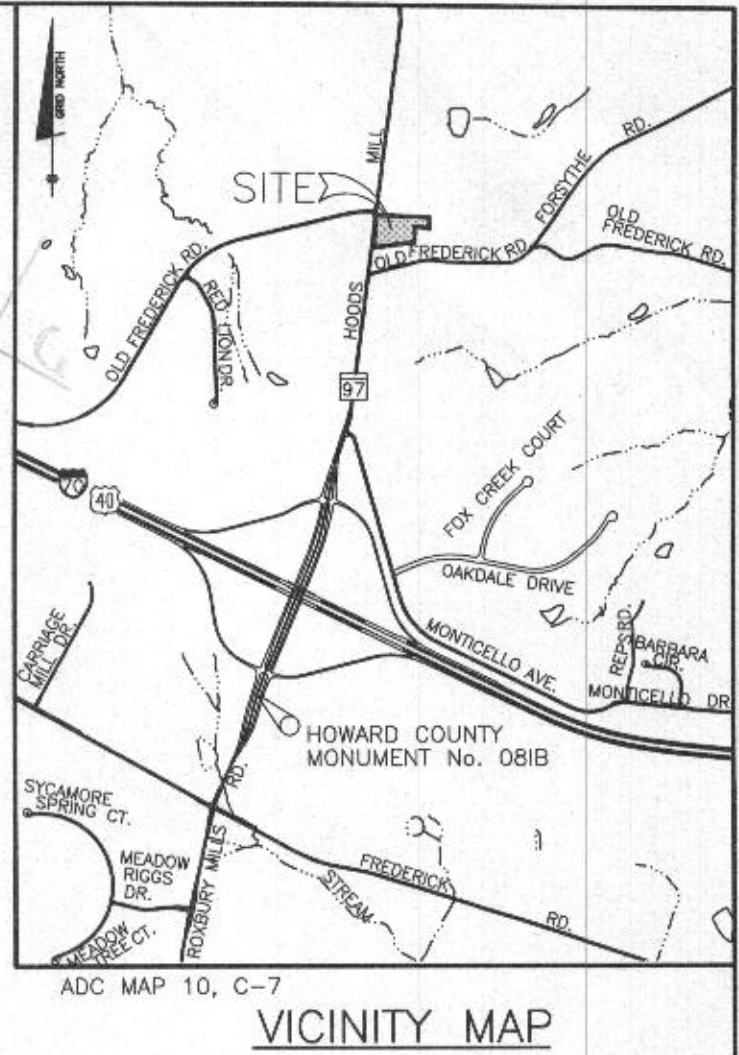
Additional requirements:

Approved: [Signature] Date: 6/3/15

SOILS LEGEND		
MAP SYMBOL	SOIL GROUP	SOIL TYPE
GgB	C	Glenelg loam, 3 to 8 percent slopes
GgC	B	Glenelg loam, 8 to 15 percent slopes

\* INDICATES HYDRIC SOILS  
TAKEN FROM WEB SOILS SURVEY MAP NO. 3, WOODBINE NE

LEGEND	
SOILS CLASSIFICATION	GbB
SOILS DELINEATION	-----
EXISTING CONTOURS (GIS)	480 478
EXISTING WOODS LINE	~~~~~
SEPTIC FIELD	
EXISTING WELL	⊕
PASSING PERCOLATION TEST	○



INV. OUT OF HOUSE	610.0
INV. IN TANK	609.4
INV. OUT SEPTIC TANK	609.1
TOP OF SEPTIC TANK	610.4
GROUND OVER SEPTIC TANK	612.3
INV. INTO BOX	609.0
INV. OUT OF BOX	608.9
GROUND AT BOX	612.1

### GENERAL NOTES

- THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT LARGE ENOUGH FOR THE INITIAL SYSTEM AND ONE REPLACEMENT SYSTEM AS REQUIRED BY THE STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA IS RESTRICTED UNTIL PUBLIC SEWER 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 SEWERAGE EASEMENT PLAT SHALL NOT BE NECESSARY.
- THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT. THE LOT SIZE FOR THESE LOTS WILL FULFILL THE REQUIREMENTS OF THE ZONING REGULATIONS.
- ANY CHANGES TO A PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
- THERE ARE NO EXISTING WELLS OR SEPTIC SYSTEMS OF CONCERN WITHIN 100' OF THE PROPERTY'S BOUNDARIES EXCEPT THAT WHICH ARE SHOWN. INFORMATION HAS BEEN REQUESTED FROM THE BUREAU OF ENVIRONMENTAL HEALTH CONCERNING THE ADJOINING PROPERTIES.
- THE EXISTING TOPOGRAPHY SHOWN IS TAKEN FROM HOWARD COUNTY GIS WITH TWO-FOOT CONTOUR INTERVALS. TRACT OUTLINE IS ESTABLISHED BY DEED OF RECORD.
- AN ADVANCED PRE-TREATMENT SYSTEM, WHICH UTILIZES CURRENTLY ACCEPTABLE TECHNOLOGY TO PERFORM NITROGEN REDUCTION, MUST BE INSTALLED ON THE SEPTIC SYSTEMS FOR THIS SUBDIVISION. THESE ADVANCED PRETREATMENT SYSTEMS SHALL BE LIMITED TO THE SYSTEMS LISTED IN THE WEBSITE FOR BAY RESTORATION FUND (BRF) BEST AVAILABLE TECHNOLOGY FOR REMOVING NITROGEN FROM ONSITE SYSTEMS. A SUPPLEMENTAL SITE PLAN WITH ALL OF THE NECESSARY DETAILS FOR INSTALLATION OF THE SEPTIC SYSTEM WILL BE REQUIRED PRIOR TO THE RELEASE OF THE BUILDING PERMIT AND SYSTEM INSTALLATION PERMIT.
- PERCOLATION TEST FEE RECEIPT NUMBER, REFERENCED IN THE APPROVING AUTHORITY CORRESPONDENCE IS A18700 AND PERMIT 18988.
- THE PURPOSE OF THIS PERCOLATION CERTIFICATION IS TO ESTABLISH PRIVATE SEWERAGE EASEMENT AND TO ESTABLISH A 1500 SQ. FT. OF WELL ZONE WITH ELLIPTICAL RADIUS OF 100 FEET AROUND THE ENTIRE SET/WELL ZONES FOR THIS PROPERTY.
- CONTRACTOR TO VERIFY LOCATION OF EXISTING TRENCH. THE INSTALLATION OF THE NEW TRENCHES SHALL MAINTAIN 10' SEPARATION FOR THE EDGE OF THE EXISTING TRENCH.

**BENCHMARK**  
ENGINEERS ▲ LAND SURVEYORS ▲ PLANNERS  
**ENGINEERING, INC.**

8480 BALTIMORE NATIONAL PIKE ▲ SUITE 315  
ELLCOTT CITY, MARYLAND 21043  
PHONE: 410-465-6105 ▲ FAX: 410-465-6644  
BEI@BEI-CIVILENGINEERING.COM

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.

*John M. Carney* 6/29/15  
PLAN PREPARER  
JOHN M. CARNEY, P.E.  
FOR BENCHMARK ENGINEERING INC.

APPROVED FOR PRIVATE WATER AND SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT

*William M. Meadows* 7/6/2015  
HOWARD COUNTY HEALTH OFFICER  
DATE

OWNER/BUILDER:  
LANTERMAN, JACK ELROY, JR  
LANTERMAN, JENNIFER L. T/E  
1215 HOODS MILL RD  
COOKSVILLE MD 21723

**1215 HOODS MILL ROAD**

1215 HOODS MILL RD  
COOKSVILLE, MD 21723  
TAX MAP No. 8 - GRID 0011 - PARCEL 0289  
4TH ELECTION DISTRICT, HOWARD COUNTY, MARYLAND  
TAX ID NUMBER 04-311213

PERCOLATION CERTIFICATION PLAN  
EXISTING SINGLE FAMILY DWELLING  
WITH PROPOSED ADDITION

DATE:	JUNE, 2015	PROJECT NO.	2705
SCALE:	1" = 50'	DRAWING	1 OF 1

DESIGN: JMC DRAFT: NAF

PLAN VIEW  
SCALE: 1" = 50'