



# APPLICATION

## FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) \_\_\_\_\_ TEST TIME \_\_\_\_\_

Q/P 537388

AGENCY REVIEW: \_\_\_\_\_

DATE 7-5-12

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 \_\_\_\_\_ 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) IL LEE

DAYTIME PHONE 410-1733-2488 CELL 1-202-288-0071 FAX \_\_\_\_\_

MAILING ADDRESS 6601 Whitegate Rd. Clarksville MD 21029  
STREET CITY/TOWN STATE ZIP

APPLICANT Sang Lee

DAYTIME PHONE 410-1720-9592 CELL 410-302-8356 FAX \_\_\_\_\_

MAILING ADDRESS 5813 Trotter Rd. Clarksville MD 21029  
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION

SUBDIVISION/PROPERTY NAME \_\_\_\_\_ LOT NO. \_\_\_\_\_

PROPERTY ADDRESS 6601 Whitegate Rd \_\_\_\_\_  
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.

SIGNATURE OF APPLICANT [Signature]

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

A/P \_\_\_\_\_

RECEIVED  
JUL 05 2012  
2012 JUL 4 PM 11:27

RECEIVED

JUL 05 2012

HOWARD COUNTY HEALTH  
BUREAU OF ENVIRONMENTAL HEALTH

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 S/W \_\_\_\_\_



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](http://www.hchealth.org)

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

August 1<sup>st</sup>, 2012

To: Sang Lee  
Applicant

RE: Perc Test Report, [6601 Whitegate Road; Clarksville Ridge Lot 5]; A#537388

Percolation testing was conducted on the referenced property on July 19<sup>th</sup>, 2012. The purpose for conducting these percolation tests was to delineate septic reserve area for a proposed addition to include an additional bedroom

All percolation tests conducted were standard tests, measuring rate of fall for a pre-wet period followed by measurement and recordation of the time required for the water level to drop 1 inch. Soil conditions either satisfactory or unsatisfactory for onsite wastewater disposal were observed at the specified test locations. Areas that may be included in a septic reserve are represented by test locations having satisfactory soil conditions. The area of the septic reserve must be at least 10,000 square feet, though Howard County Code [3.805.A.2.X] requires that the area be large enough to accommodate an initial drainfield and two repair drainfields for the planned residence.

Soil conditions observed were satisfactory for onsite wastewater treatment and disposal. A total of three percolation tests were conducted. All tests were satisfactory.

The existing septic tank, drywell and trench were located at the time of perc testing. The septic tank and drywell must be pump and abandoned. The existing trench is too deep to remain. A 1,500 gallon, top seam, 2 compartment tank must be installed to support the proposed addition. An ejector pump will be required for basement service to maintain the allowable earth cover on the septic tank.

The existing well could not be located at the time of testing. The well must be located and shown on the Percolation Certification Plan. A new well or an upgrade to the well may be required.

Field data collected are shown on Percolation Test Worksheets enclosed with this letter. Recommended Inlet and Trench Bottom depths, and Usable Sidewall all are based on observed soil properties and characteristics at respective test locations as well as the particular soils materials tested. The values for the drainfield parameters will be documented during the Percolation Certification Plan process, and then maintained in the Health Department file for the subject property.

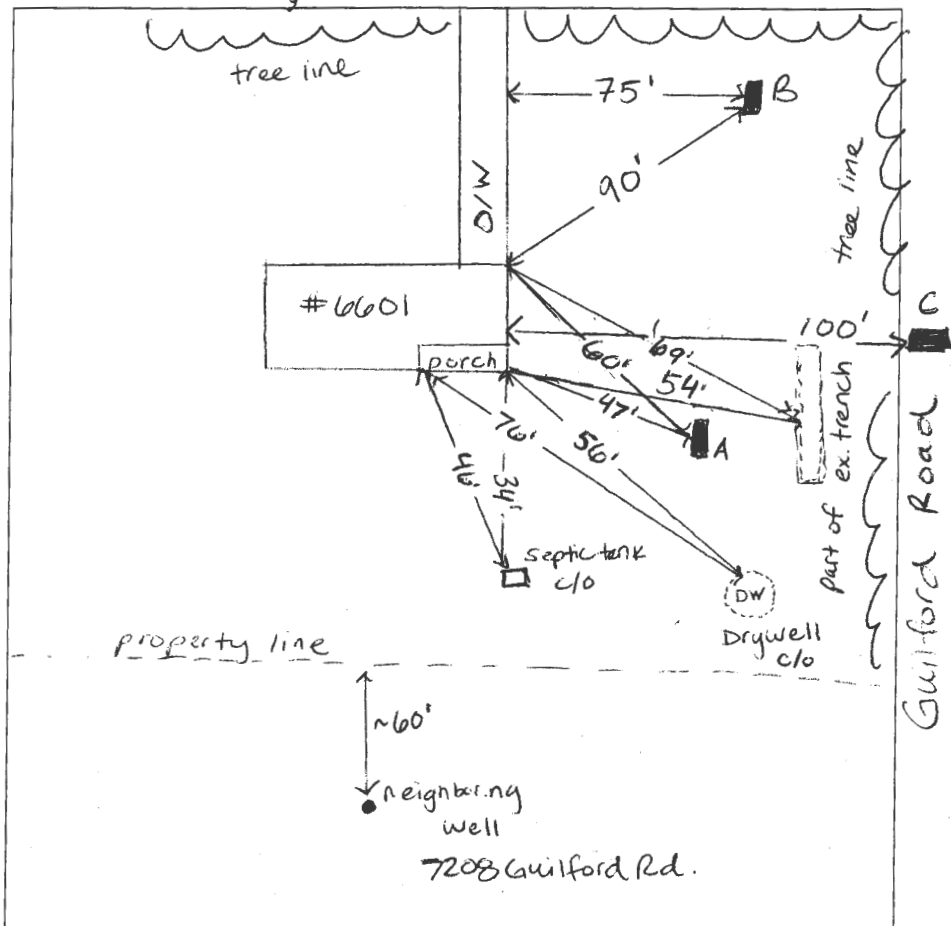
Additional field review of well or septic system conditions may be required at any time during this process. If you have any questions regarding this evaluation or requirements for the Percolation Certification Plan or Site Plan, please contact me at the above address or by calling (410) 313-6287.

Respectfully,

Heidi Scott, R.S.  
Environmental Sanitarian  
Well and Septic Program

# Whitegate Road

A2



**[A]**

1' org bn l lcsbk

1' org brn scl 2msbk

4.5' red/org brn si few mica

6' red brn fsl micaceous

9' pink v fsl micaceous saprolite

14.5' ↓

**[B]**

4' bn l sbk

red brn scl lcsbk

6' red brn sl lmsbk

8' red brn micaceous fsl

12.5' red brn fsl mica schist 30% rx

**[C]**

1' yellow bn l lcsbk

2.5' yellow brn scl

6' yellow org fsl saprolite

10' red brn v fsl

12' red brn ls w mica schist w Mn

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
7-19-12	A	5.5'/4.5'	10:03	too slow - res	half-		
	A	7'/14.5'	10:33	10:36	10:39	3	P
	B	5.5'/12.5'	12:39	12:40	12:43	3	P
	C	12'					P

REMARKS 4 BR proposed in new structure. Drywell located under tree. 8' trench inlet.

SANITARIAN HS / RR BACKHOE Fogles OTHERS Jason, homeowner

TEST HOLES USED IN SDA 3 AVG. PERC TIME 3 SQ. FT/BR

TRENCH WIDTH 2 INLET DEPTH 5 MAX. BOT DEPTH 8 EFFECTIVE SW 1.5-2'

Ex. drywell lid is 6.5' deep

155' total trench

# Project Communication

**From: Heidi Scorr**

**Date: 3/22/2013**

**Project Name: 6601 Whitegate Rd**

**File Number:**

**Meeting Attendees: Heidi Scott, Mike Davis, Jeff Williams**

## Background Notes:

Building permit was submitted for large addition with an additional bedroom. No perc tests on record or record of the well. Perc application submitted and perc tests passed. During testing the existing well was found to be within the footprint for the proposed addition and 10' from the proposed septic area.

Project was put on hold.

6 months later a revision was made to scale down to the addition to a small sunroom that will not impact the well location.

## Key Issues:

Is a Percolation Certification Plan required? Must they upgrade the existing pit well or relocate the well in order to establish a septic area where the perc test were performed? The current well location doesn't meet the setback from the septic area shown on the Perc Cert Plan that was submitted.

## Health Dept. Required Actions/Follow-up:

A variance will be granted to waive the requirement for the Perc Cert Plan. However the pit well must at minimum be upgraded prior to building permit approval.

When the current system fails the well must be abandoned and relocated or the septic must move the other side of the lot.

## Meeting Attendees Required Actions/Follow-up:

Owner must upgrade the pit well.



# HOWARD COUNTY HEALTH DEPARTMENT

37388

DATE 7 15 VZ

1537358

Received  
From

I Properties LLC

PHONE #

410-333-2788

☐ CASH

☒ CHECK

NO.

For

Perc Application - 10601  
Whitewater Rd.

Five Hundred Sixty 00/100

Dollars

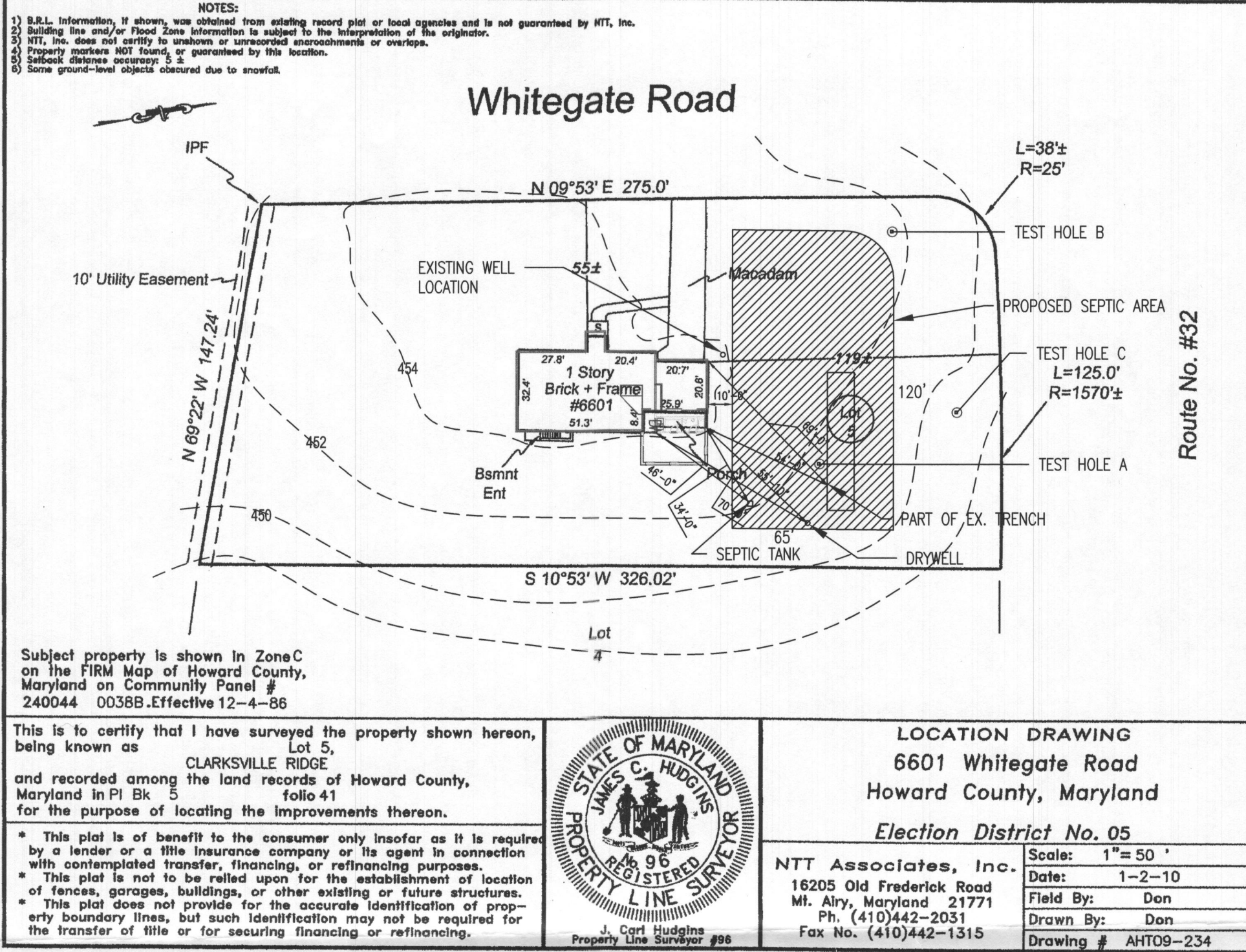
\$ 506.100

Received By

J King



PERCOLATION CERTIFICATION PLAN (A #537388)



NOTES:

1. 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 SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A REVISED SEWAGE EASEMENT SHALL NOT BE NECESSARY.
2. ANY CHANGES TO A PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
3. THE TOPOGRAPHY OF THIS PLAT IS FROM HOWARD COUNTY GIS.
4. ALL EXISTING AND PROPOSED WELLS WITHIN 100' OF THE PROPERTY BOUNDARIES AND WELLS WITHIN DOWNGRAIENT OF ANY PROPOSED OR EXISTING SEPTIC SYSTEMS HAVE BEEN SHOWN.
5. SOILS INFORMATION TAKEN FROM HOWARD COUNTY DATA BASED ON THE 2003 HOWARD COUNTY SOIL SURVEY WITHIN THE PROPERTY INCLUDE:GGB
6. THE PURPOSE OF THIS PLAN IS TO ESTABLISH SEPTIC RESERVE AREA IN SUPPORT OF BUILDING PERMIT B12001947 FOR AN ADDITION TO EXPAND A SUNROOM.

TEST INFORMATION							
DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
2012-07-19	A	5.5'/14.5'	10:03	TOO SLOW			
2012-07-19	A	7'/14.5'	10:33	10:36	10:39	3	P
2012-07-19	B	5.5'/12.5'	12:39	12:40	12:43	3	P
2012-07-19	C	12'-0"					P

I CERTIFY THAT THE INFORMATION SHOWN HERON IS BASED ON WORK PERFORMED IN MY PRESENCE OR BY MY DIRECTION AND IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

(SIGNATURE)

(DATE)

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS.

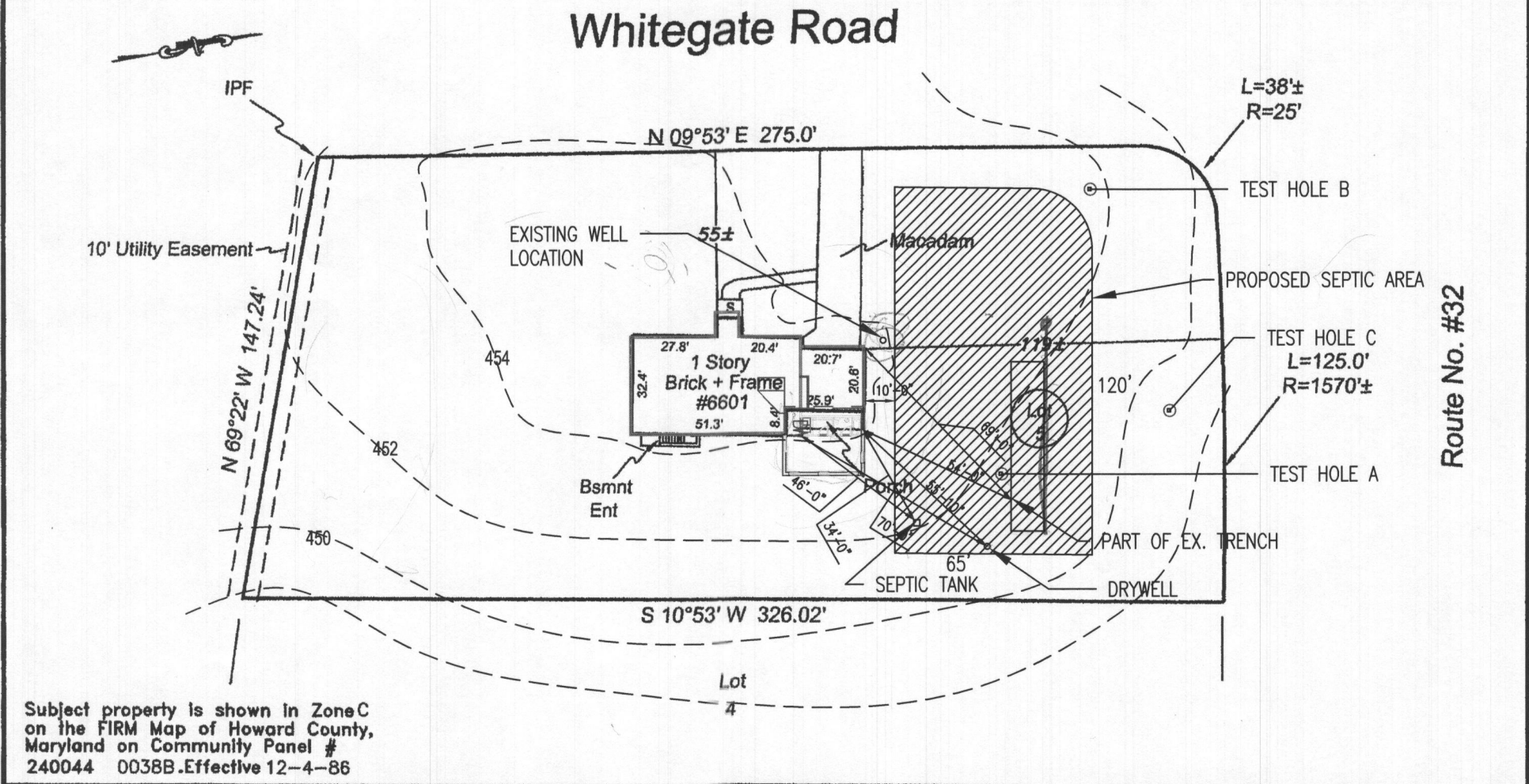
(SIGNATURE, HO.CO. HEALTH OFFICER)

(DATE)



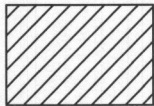
PERCOLATION CERTIFICATION PLAN (A #537388)

- NOTES:
- 1) B.R.L. Information, if shown, was obtained from existing record plat or local agencies and is not guaranteed by NTT, Inc.
  - 2) Building line and/or Flood Zone information is subject to the interpretation of the originator.
  - 3) NTT, Inc. does not certify to unshown or unrecorded encroachments or overlaps.
  - 4) Property markers NOT found, or guaranteed by this location.
  - 5) Setback distance accuracy: 5 ±
  - 6) Some ground-level objects obscured due to snowfall.



<p>This is to certify that I have surveyed the property shown hereon, being known as Lot 5, CLARKSVILLE RIDGE and recorded among the land records of Howard County, Maryland in Pl Bk 5 folio 41 for the purpose of locating the improvements thereon.</p> <p>* This plat is of benefit to the consumer only insofar as it is required by a lender or a title insurance company or its agent in connection with contemplated transfer, financing, or refinancing purposes. * This plat is not to be relied upon for the establishment of location of fences, garages, buildings, or other existing or future structures. * This plat does not provide for the accurate identification of property boundary lines, but such identification may not be required for the transfer of title or for securing financing or refinancing.</p>		<p>LOCATION DRAWING</p> <p>6601 Whitegate Road</p> <p>Howard County, Maryland</p> <p>Election District No. 05</p> <p>NTT Associates, Inc.</p> <p>16205 Old Frederick Road</p> <p>Mt. Airy, Maryland 21771</p> <p>Ph. (410)442-2031</p> <p>Fax No. (410)442-1315</p>	<p>Scale: 1"= 50 '</p> <p>Date: 1-2-10</p> <p>Field By: Don</p> <p>Drawn By: Don</p> <p>Drawing # AHT09-234</p>
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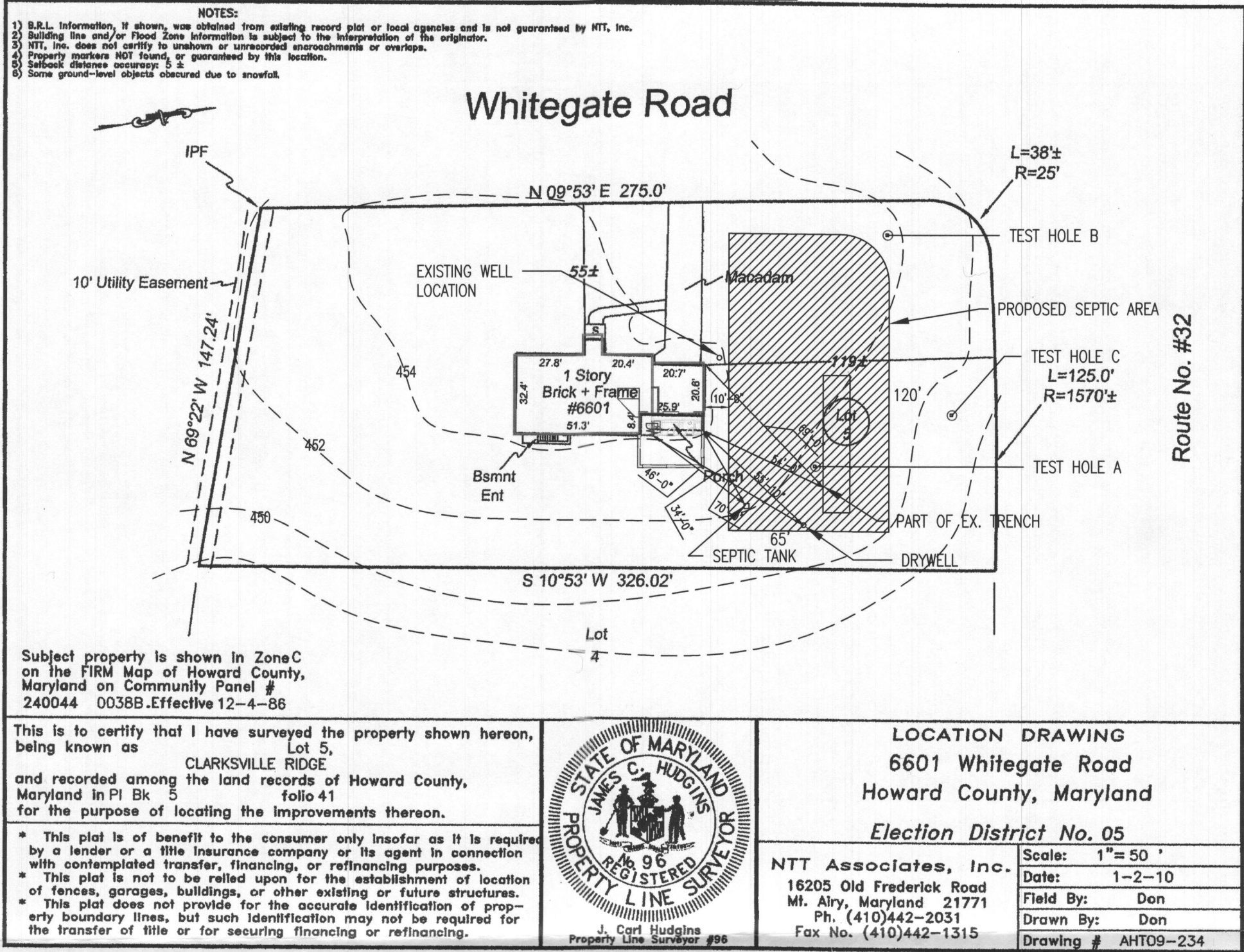
APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS.

(SIGNATURE, HO.CO. HEALTH OFFICER)

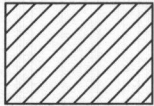
(DATE)



PERCOLATION CERTIFICATION PLAN (A #537388)



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(DATE)

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(SIGNATURE, HO.CO. HEALTH OFFICER)

(DATE)