

LAYOUT \_\_\_\_\_ INSP 4 \_\_\_\_\_  
INSP 2 \_\_\_\_\_ INSP 5 \_\_\_\_\_  
INSP 3 \_\_\_\_\_ INSP 6 \_\_\_\_\_

ISSUE DATE: 9/7/2006

APPROVAL DATE: 2/2/07

**PERMIT**

**TAX ID #05-440645**

P 525246

A 539921

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

GLENN BOWMAN

IS PERMITTED TO INSTALL ☒ ALTER ☐

ADDRESS: 6503 SMOKEHOUSE CT PHONE NUMBER: 410-336-2944

SUBDIVISION: Twelve Hills LOT NUMBER: 52

ADDRESS: 13060 Twelve Hills Road PROPERTY OWNER: Glenn Bowman

SEPTIC TANK CAPACITY (GALLONS): 1000 OUTLET BAFFLE FILTER REQUIRED ☐

**RECOMMEND 1250 GAL ST, 1000 GAL IS THE MINIMUM**

PUMP CHAMBER CAPACITY (GALLONS): n/a COMPARTMENTED TANK REQUIRED ☒

NUMBER OF BEDROOMS: 3

SQUARE FEET PER BEDROOM: 88

LINEAR FEET OF TRENCH REQUIRED: 265.5 HOUSE SERVED BY PUBLIC WATER ☐

TRENCHES:	Use existing trenches, 3 trenches at 88 feet each, trench width= 2' wide, depth= 7.5', inlet at 3.5', effective area at 4', total trench length 265.5 feet.
LOCATION:	Install septic tank as shown.
NOTES:	Basement not gravity service. Using existing trenches, only need to install septic tank.

PLANS APPROVED: Sara Fegel Reviewed by: \_\_\_\_\_ DATE: 3/22/06

**NOTES: PERMIT VOID AFTER 2 YEARS**

CONTRACTOR IS RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS

WATERTIGHT SEPTIC TANKS REQUIRED

ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL UNLESS SPECIFICALLY AUTHORIZED

MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS UNLESS SPECIFICALLY AUTHORIZED

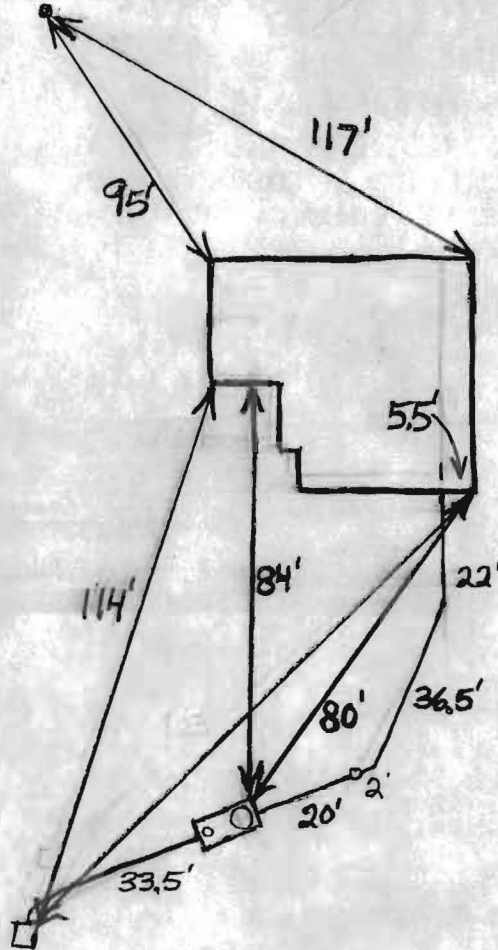
CONTRACTOR RESPONSIBLE FOR COMPLIANCE WITH APPLICABLE REGULATIONS, GUIDELINES AND THE TERMS OF THIS PERMIT

**NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS  
RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM  
PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT  
CALL 410-313-1771 FOR INSPECTION OF SEPTIC SYSTEM**

1539921

NOT TO SCALE

HO-94-4018



ROAD

TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
NUMBER OF TRENCHES		
TOTAL LENGTH		
ABSORPTION AREA		
DISTRIBUTION BOX LEVEL <u>To Install Levelers</u>		
DISTRIBUTION BOX BAFFLE <u>Yes</u>		
DISTRIBUTION BOX PORT <u>No</u>		

SEPTIC TANK DATA	
SEPTIC TANK 1 LEVEL	<u>Yes</u>
CAPACITY	<u>1500</u> GAL
SEAM LOC	<u>Top</u>
TANK LID DEPTH	<u>1'-1.5'</u>
BAFFLES	<u>Yes</u>
BAFFLE FILTER	<u>No</u>
MANHOLE LOC	<u>Front</u>
6" PORT LOC	<u>Rear</u>
WATERTIGHT TEST	<u>No</u>
SEPTIC TANK 2 LEVEL	<u>N/A</u>
CAPACITY	_____ GAL
SEAM LOC	_____
TANK LID DEPTH	_____
BAFFLES	_____
BAFFLE FILTER	_____
MANHOLE LOC	_____
6" PORT LOC	_____
WATERTIGHT TEST	_____

2 Comp.  
Babylon

PRE-CONSTRUCTION \_\_\_\_\_

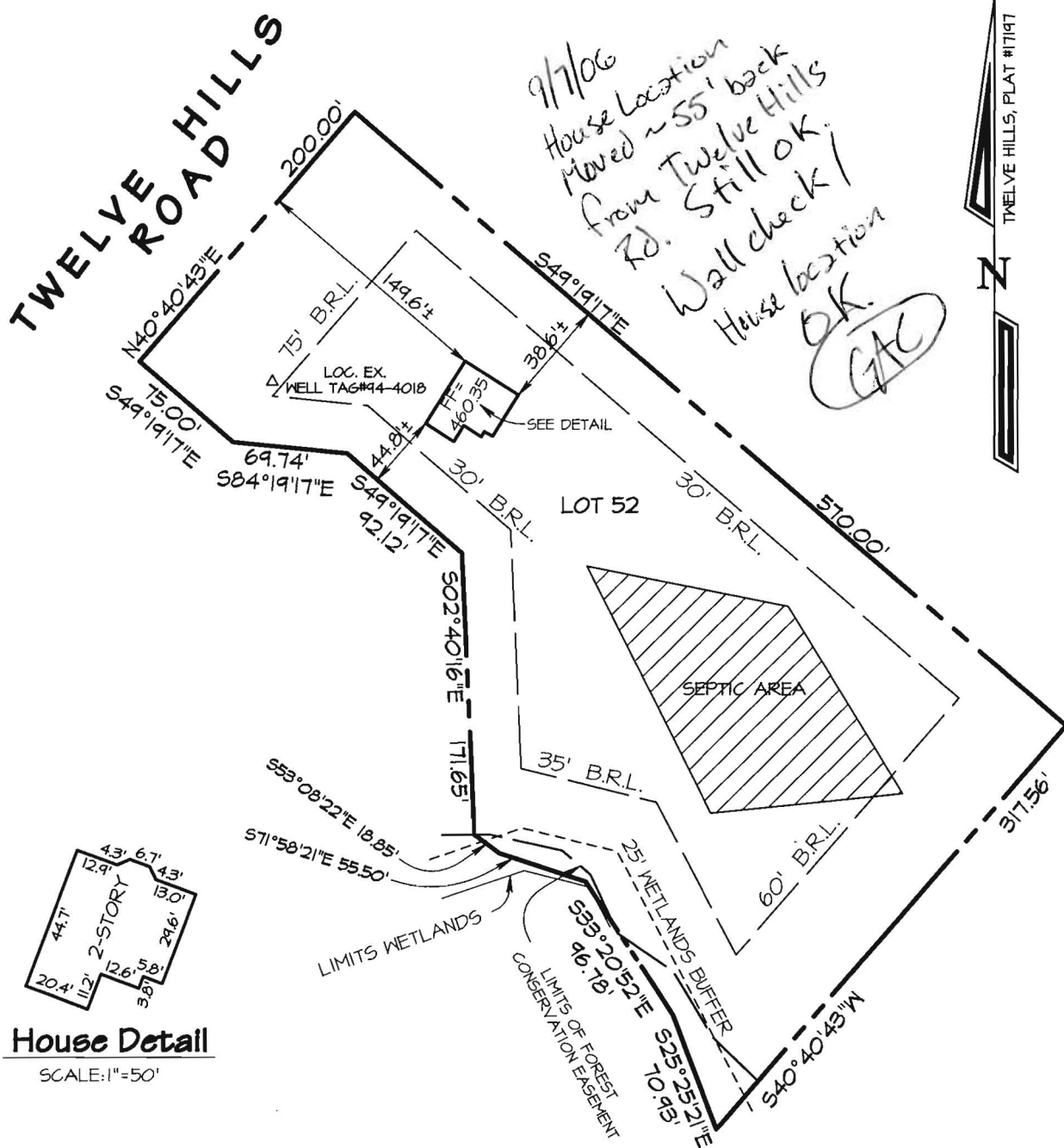
INSTALLATION 10/19/06 Need house connection (BB) 2/2/07  
installed. Verified on phone. via house owner. (KW)  
House connection

FINAL INSPECTOR \_\_\_\_\_

DATE OF APPROVAL \_\_\_\_\_

## NOTES

1. THIS DRAWING IS OF BENEFIT TO A 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.
2. THE DRAWING IS NOT TO BE RELIED UPON FOR THE ESTABLISHMENT OR LOCATION OF FENCES, GARAGES, BUILDINGS, OR OTHER EXISTING OR FUTURE IMPROVEMENTS.
3. THE DRAWING DOES NOT PROVIDE FOR THE ACCURATE IDENTIFICATION OF PROPERTY BOUNDARY LINES, BUT SUCH IDENTIFICATION MAY NOT BE REQUIRED FOR THE TRANSFER OF TITLE OR SECURING FINANCING OR REFINANCING.
4. ALL BUILDINGS, STRUCTURES AND OTHER IMPROVEMENTS SHOWN HEREON ARE IN APPROXIMATE RELATION TO THE APPARENT BOUNDARY LINES WITH A LEVEL OF ACCURACY OF +/- 0.1'.
5. THIS DRAWING WAS PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT.
6. BUILDING SETBACK LINES SHOWN HEREON WERE TAKEN FROM THE RECORD PLAT. THEIR ACCURACY IS NOT GUARANTEED.
7. LEVEL OF ACCURACY OF BUILDING DIMENSIONS IS +/- 0.1'.



# SURVEYORS CERTIFICATE

THIS FOUNDATION CERTIFICATION HAS BEEN PREPARED IN ACCORDANCE  
WITH THE "MINIMUM STANDARDS OF PRACTICE FOR PROFESSIONAL  
LAND SURVEYORS" AS ADOPTED BY THE STATE OF MARYLAND.

Brian R. Dietz  
BRIAN R. DIETZ

BRIAN R. DIETZ

PROFESSIONAL LAND SURVEYOR NO. 21080

1. LOT 52  
PLAT OF TWELVE HILLS  
PLAT No. 17197

ONLY PLATS WITH THE SURVEYOR'S EMBOSSED SEAL ARE GENUINE, TRUE AND CORRECT COPIES.

**BRIAN R. DIETZ**  
PROFESSIONAL LAND SURVEYOR #21080  
8119 OAKLEIGH ROAD  
BALTIMORE MD. 21234  
Ph 410-661-3160  
Fax 410-661-3163

FOUNDATION CERTIFICATION  
of  
TWELVE HILLS ROAD  
HOWARD COUNTY, MD.

DRAWN: RGF

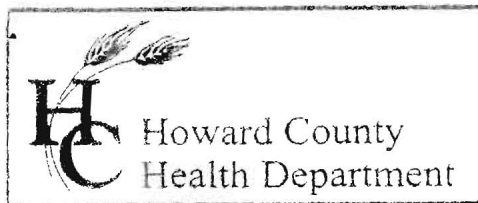
FIELD: RGF

DATE: 08-28-06

JOB NO. 06050

SCALE: 1"=100'

8-28-24



3525 H Ellicott Mills Drive, Ellicott City, MD 21043  
(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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Penny E. Borenstein, M.D., M.P.H., Health Officer

July 18, 2003

Mr. and Mrs. Hishmeh  
13058 Twelve Hills Road  
Clarksville, MD 21029

RE: Site Inspection for Existing SDA Location  
Twelve Hills Two-Lot Subdivision  
Tax Map: 28 Lot: 52

Dear Mr. and Mrs. Hishmeh:

On Thursday, July 17, 2003, a field inspection was done to verify the topographical features on proposed Lot 52 and the location of the septic easement for that lot. The existing septic area for lot 52 does not appear to be directly upslope of the adjacent existing well; rather there is a substantial drainage swale directing flow southeast of the well. Enclosed is a copy of field notes.

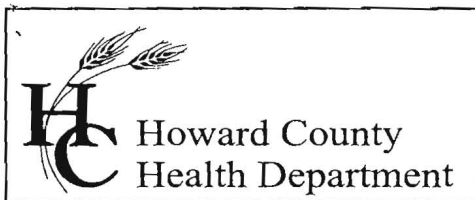
If you have any questions regarding this matter, please contact me at the address below or by calling (410) 313-1771. Thank you in advance for your time and cooperation.

Respectfully,

Kacie Noonan, Sanitarian  
Water and Sewerage Program

KDN  
Enclosures

cc: Benchmark Engineering, Inc.  
File



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

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Penny E. Borenstein, M.D., M.P.H., Health Officer

July 28, 2005

TO: Jean Iampieri, Realtor

FROM: Kacie Noonan, R.S.  
Well and Septic Program  
Development Coordination Section

RE: Capability of the new septic system at 13058 Twelve Hills Road to support 6 bedrooms

As of July 12, 2005, the septic system newly installed at the referenced property was for a five-bedroom house. However, given the size of the pump chamber a sixth bedroom can be added without any additional upgrade to the septic tanks or trenches. Enclosed is a copy of our septic specs, which shows effective sidewall starting at 3' and 4'. Taking an average of the sidewall coefficients computes a total linear trench layout for a six-bedroom house at 203.4 feet. Therefore, a total of 200 feet of trench installed on 7/11/05 should suffice. Also note, the perimeter of the SDA may be expanded closer to percolation test holes P5A and P4 to allow for additional trench length layout. Although there is high water table near the elevation of P5A and P4, the septic area above will support some sidewall usage and the expansion of the SDA will support a six-bedroom house, but no more bedrooms than six.

To ensure that the above criteria is met, an engineer will have to lay out all three systems on a plan. Additional notes are included for the engineer's use.

A copy of this letter will be placed in our file for future reference as well as the attachments enclosed.

Sincerely,

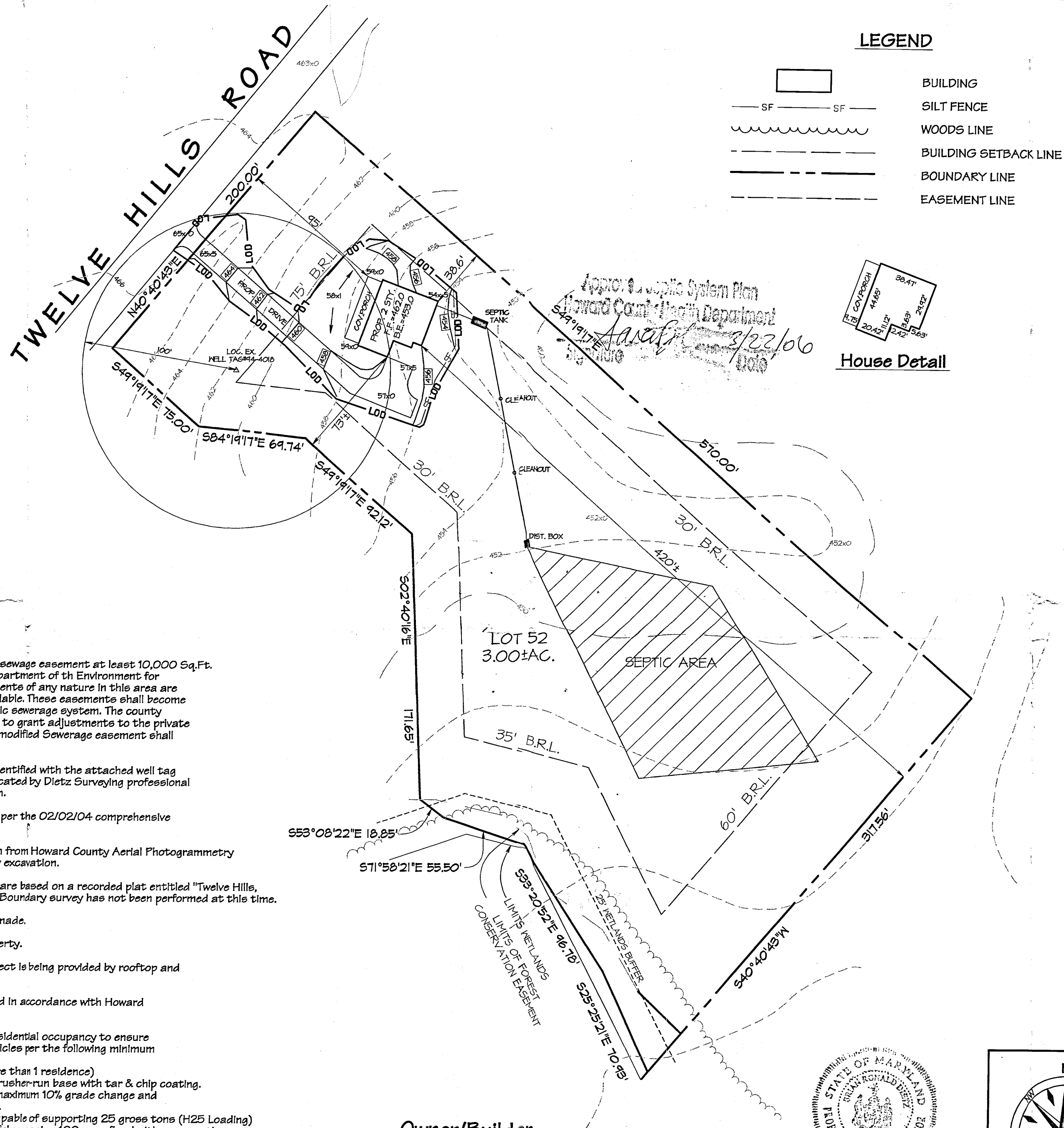
Kacie Noonan, R.S.  
Well and Septic Program

KN  
Enclosures  
Cc: file

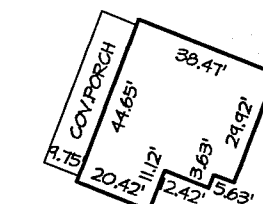
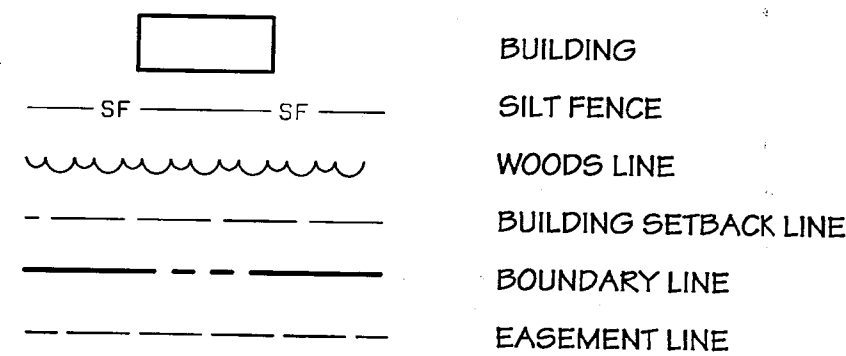


## FILE INQUIRY NOTES

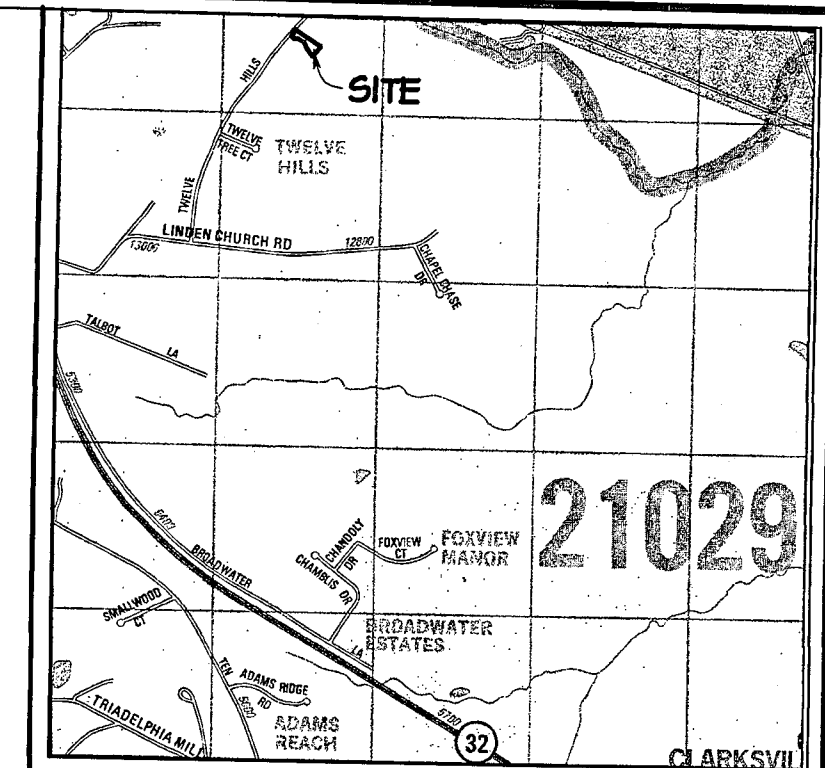
DATE	RESULTS OF REVIEW FOR FILE
	KC.
	Bruce Jackson ( <sup>prospective buyer</sup> 646-623-1707) has
	questions about the over sized easement
	on Lot 52. Wants to move it.
	Isma <del>to</del> (owner) is also inquiring about
	this file. Could you fill me in
	on what's out here, or call
	Bruce Jackson back.
	He - either wants to
	① Shrink the 10,000.
	② Move it up 10, feet.
	③ Move it any where else.
	9/30/05 (Poy)



# LEGEND



House Detail



Vicinity Map

Scale: 1" = 2000'

## Septic Data

Inv. at House: 453.0

SEPTIC TANK  
Ex. Grade: 452.5  
Fin. Grade: 452.5  
Inv. In: 451.0  
Inv. Out: 450.7

DISTRIBUTION BOX  
Ex. Grade: 452.0  
Fin. Grade: 452.0  
Inv. In: 449.0  
Inv. Out: 448.8

TRENCHES  
Size, Length, and orientation of trenches to be determined by Howard County Environmental Health Dept. at the time of Septic system Installation.

## Project Background

Tax Map 28 Parcel 381 (Lot 52)  
Election District: 5th  
Zoning: RR  
Plat: 17197  
Total Tract Area: 3.00 Ac±  
Proposed Use: Single Family Detached  
Disturbed Area: 11,256 Square Feet

## Notes

This area designates a private sewage easement at least 10,000 Sq.Ft. as required by the Maryland State Department of the Environment for individual sewerage disposal. Improvements of any nature in this area are restricted until public sewerage is available. These easements 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 shall not be necessary.

The Existing well shown on this plan (identified with the attached well tag number HO-94-4018) has been field located by Dietz Surveying professional land surveyors and is accurately shown.

The subject property is zoned RR-DEO per the 02/02/04 comprehensive zoning plan.

The topography shown hereon was taken from Howard County Aerial Photogrammetry and should be field-verified prior to any excavation.

Bearings and Distances shown hereon are based on a recorded plat entitled "Twelve Hills, Section 3" recorded as plat #17197. A Boundary survey has not been performed at this time.

No comparison to any plans has been made.

There are no Steep Slopes on the property.

Stormwater Management for this project is being provided by rooftop and non-rooftop disconnection credits.

Driveway Entrance shall be constructed in accordance with Howard County Standard R-6.06.

Driveways shall be provided prior to Residential occupancy to ensure safe access for fire and emergency vehicles per the following minimum requirements.

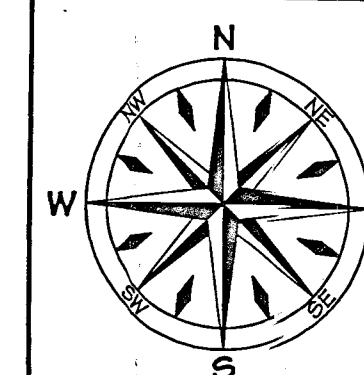
- width - 12 feet (14 feet serving more than 1 residence)
- surface - 6 inches of compacted crusher-run base with tar & chip coating.
- Geometry - maximum 14% grade, maximum 10% grade change and minimum of 45 foot turning radius.
- Structures (Culverts/Bridges) - Capable of supporting 25 gross tons (H25 Loading)
- Drainage Elements - Capable of safely passing 100-year flood with no more than 1 foot depth over driveway surface.
- Structure Clearances - Minimum 12 feet
- Maintenance - sufficient to ensure all weather use.

## Owner/Builder

Glenn Bowman  
6503 Smokehouse Ct.  
Columbia, MD. 21045



Glenn Bowman



## Dietz Surveying, Inc.

Land Surveying and Land Planning

8119 Oakleigh Road Baltimore MD 21234  
Ph 410-686-1198, Fax 410-682-6021  
www.dietzsveying.net

Plot Date: 3/14/2006

Job No. 06050

File Name: JATWELVEHILLS\SITEPLAN.pro