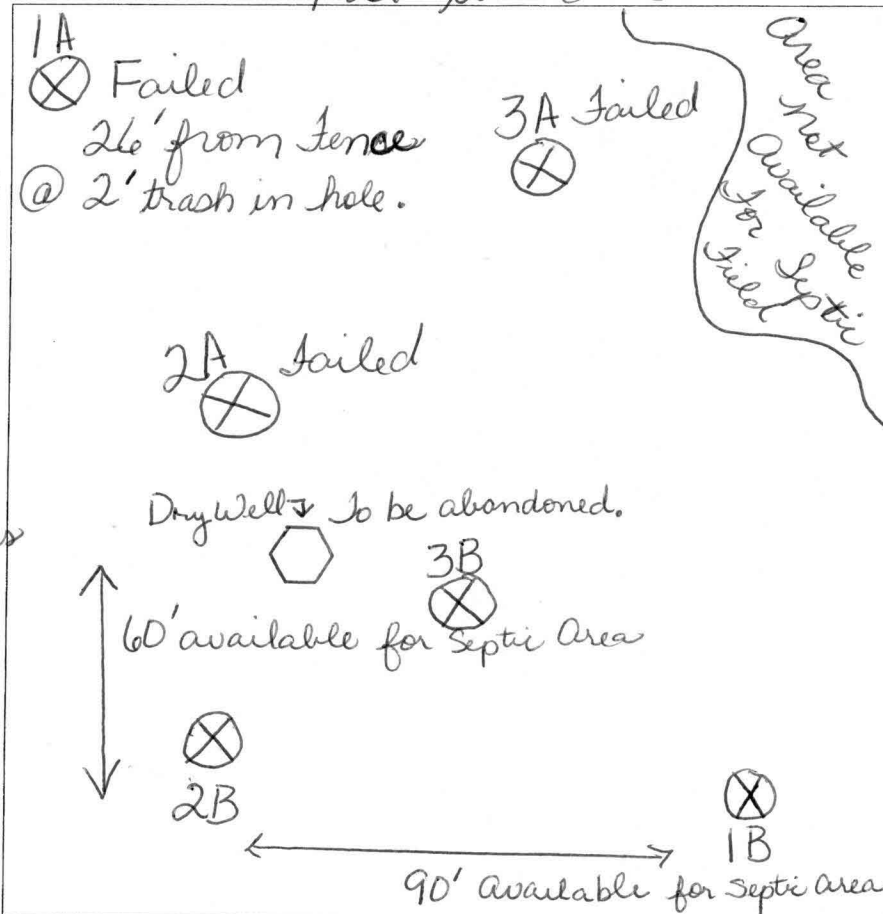
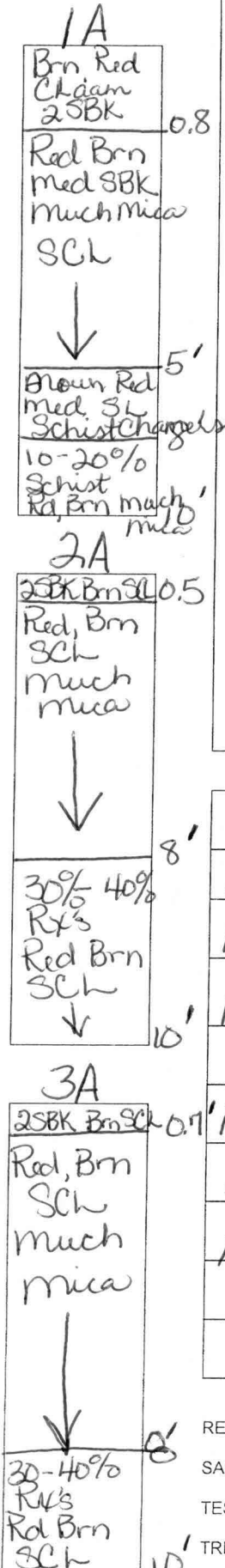


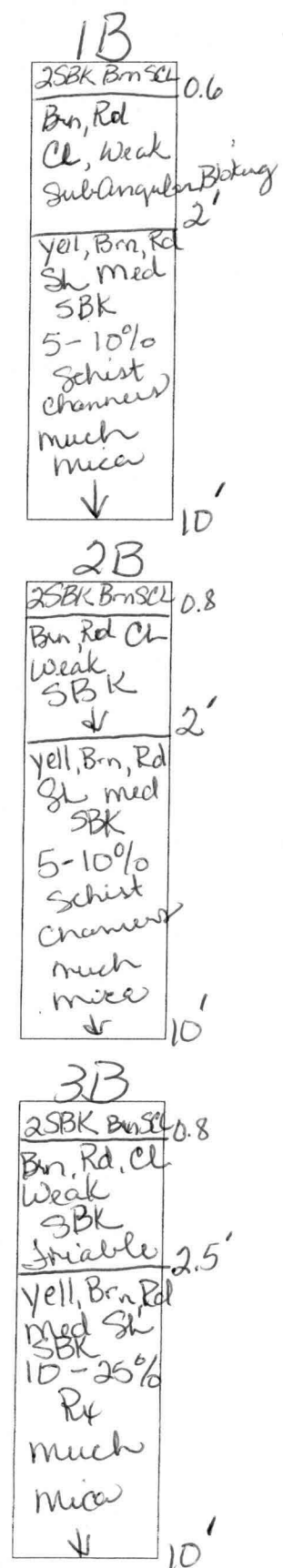
Not to Scale

AVP



----- Old Frederick Road -----

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
12-15	1A	5/10	12:21	12:38	1:10	32 min	F
12-15	2A	10'	SCH	→	8'		F
12-15	3A	10'	SCH	→	8'		F
12-15	1B	4.5/10	1:28	1:30	1:32	2 min	P
12-15	2B	10'	Visual Pass	→			P
12-15	3B	4.5/10	2:05	2:07	2:09	2 min	P



REMARKS: Lot is connected to Public H<sub>2</sub>O. Only 5400 feet available

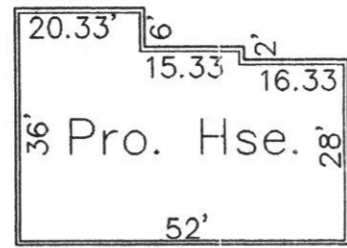
SANITARIAN: D Bernard BACKHOE: Larry Jank OTHERS: PM - Mr. Geyman

TEST HOLES USED IN SDA: (410) 204-0059 AVG. PERC TIME: SQ. FT/BR: (3 BD only limited)

TRENCH WIDTH: 3 INLET DEPTH: 4.5 MAX. BOT DEPTH: 6 EFFECTIVE SW:

**LEGEND**

EXISTING CONTOUR	100	---
PROPOSED CONTOUR	100	---
PROPERTY LINE		---
R/W BASE LINE		---
EXISTING DRAIN PIPE		---
LIMIT OF DISTURBANCE	LOD	---
SILT FENCE	SF	---
SEPTIC RESERVE AREA		---
Limit of Common Driveway		---



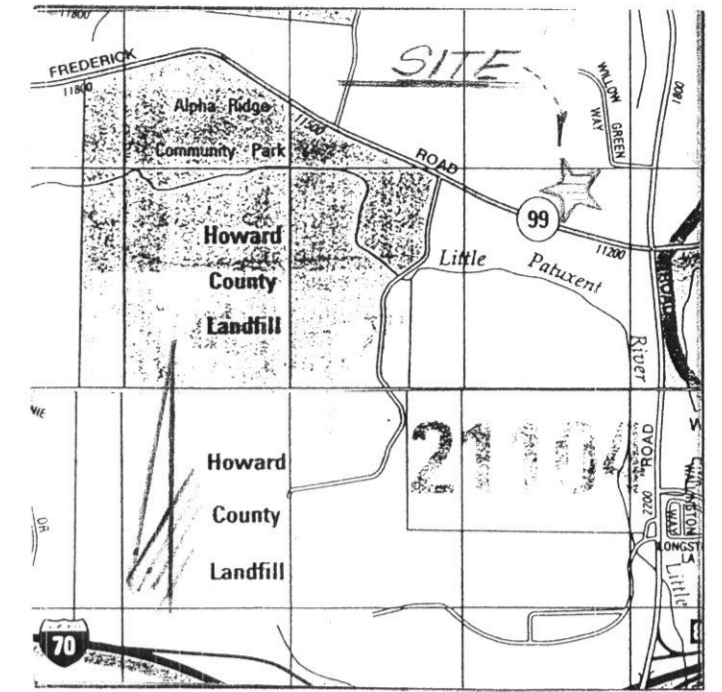
**HOUSE DETAIL**  
Scale 1" = 30'

**ZONING NOTES**

Existing Zoning: R-C  
**SETBACKS**  
 FRONT 75'  
 SIDE 10'/20'  
 REAR 30'  
 AREA 3.00 AC

**GENERAL NOTES**

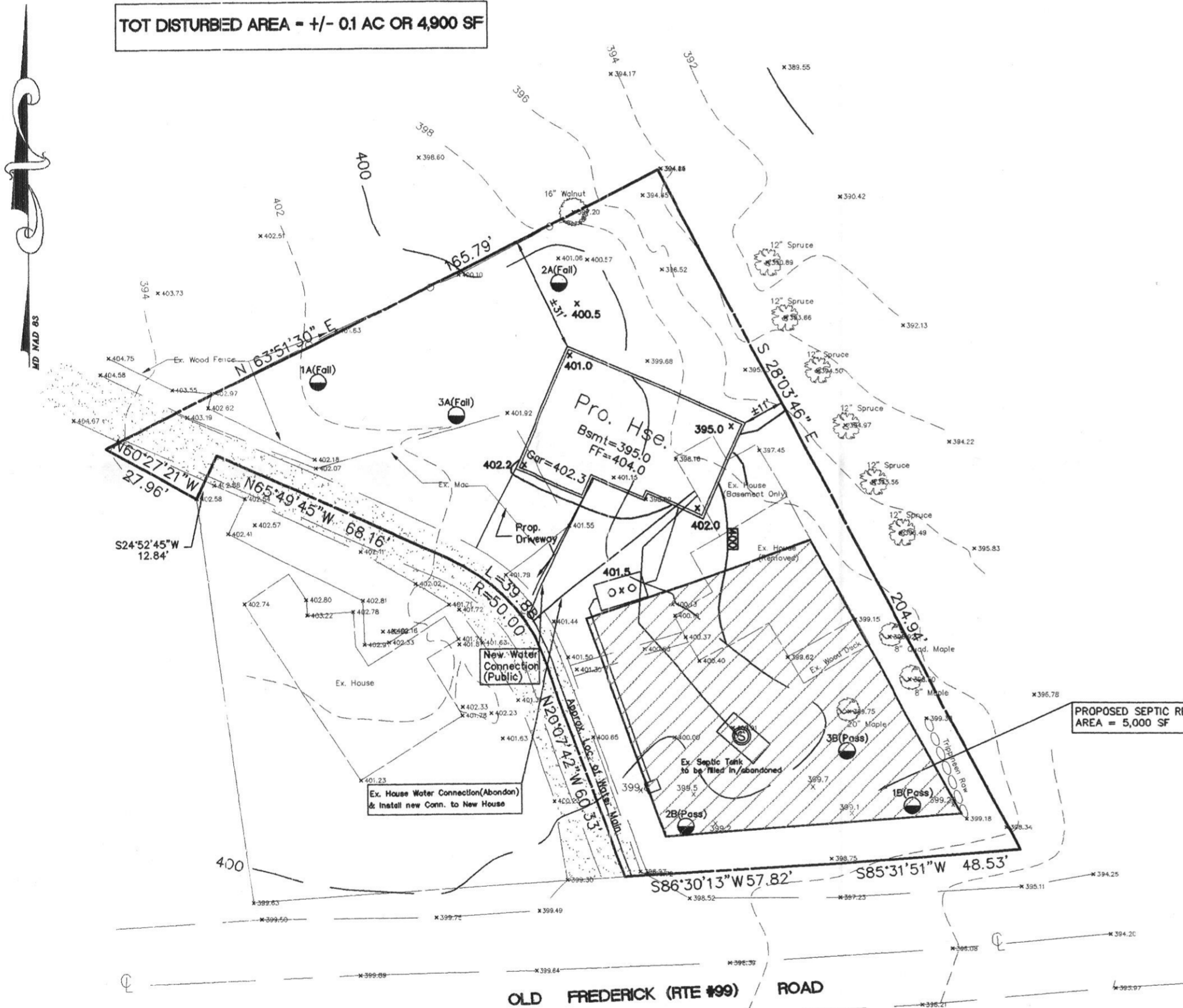
- Number of Lots Proposed: ONE(1)
- Existing Zoning: R-C
- Property Use: Residential
- HOWARD Co. Map # , Grid ,
- Tax Account # 314642
- Deed Reference: Liber11628 @ Folio 326
- Water Supply: Public
- Sewer Supply: Private "Septic"
- Tax Map: 10 ; Grid: 22, Parcel 313
- 200' Sheet Number: 208 SE 10
- Name of Subdivision: MAGMANO PROPERTY
- Topographic Information: By ACE, Assumed Datum
- Flood Plain Information: N/A
- Easement Area: As Shown
- Ex. House Area including steps, stoops, deck: ± 1800 sf
- Proposed Floor Area: 1872 SF



**VICINITY MAP**

SCALE: 1"=2000'

TOT DISTURBED AREA = +/- 0.1 AC OR 4,900 SF



**HEALTH DEPARTMENT NOTES**

- When public community sewerage becomes available, the owner will be required to connect within one year of availability.
- The maximum number of bedrooms shall not exceed 3 due to limited septic area.
- A new septic system shall be installed as part of the construction of this house.
- The proposed house shall have a min. 2000 gallon septic tank.
- The lot shown hereon complies with the minimum ownership width and lot area as required by the Maryland Department of Environment MDE statements for lots created before March 1972.

**SITE ANALYSIS**

- Gross area of site 19,692 sf (Comp.)
  - Net area of site = 19,692 sf
  - Gross floor area = 1,872 ± sf
  - Total lot coverage = 15% ±
- Height of Dwelling at its Peak 29' ±

**OWNER/APPLICANT/DEVELOPER**

BELLMEAD LLC  
 3203 Farmington Drive  
 Chevy Chase, MD 20815  
 240 375-5105

"Approved For Private Water and Private Sewerage Systems"

Public  
 B. Wilson for Peter Beileusson  
 Health Officer, Howard County Health Dept.

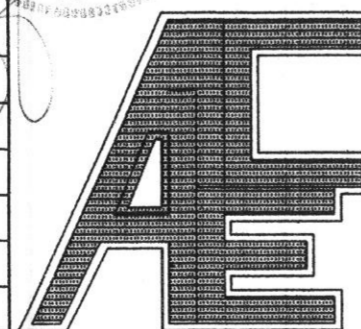
2/22/2011  
 Date 17/0

**PERCOLATION CERTIFICATION PLAN**

E.F. NAME:

**REVISIONS**

DESIGNED: ZMS	DATE: Mar 2010	DATE	BY
DRAWN: ZMS	DATE: May 2010		
CHECKED:	DATE:		
APPROVED:	DATE:		



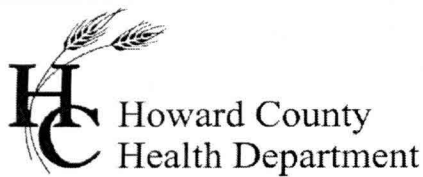
**APPLIED CIVIL ENGINEERING INC.**

ENGINEERING \* PLANNING \* SURVEYING \* LAND DEVELOPMENT  
 & PERMIT PROCESSING  
 9470 ANNAPOLIS ROAD, SUITE 414  
 LANHAM, MARYLAND 20706  
 Tel. (301) 459-5932

**SITE DEVELOPMENT PLAN**

11276 Old Frederick Road  
 Parcel 313  
**MOGMANO PROPERTY**  
 3rd Election District  
 Howard County, Maryland

Plot Book:	SCALE: 1" = 30'	JOB No. 10-06	SHEET 1 OF 1
Plot Page:			



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

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

DATE: January 13, 2011

TO: Litz Custom Homes, Inc.  
c/o Alfredo Guzman  
3203 Farming Drive  
Chevy Chase, Maryland 20813

FROM: Dana Bernard, REHS/RS  
Bureau of Environmental Health  
Well and Septic Program

RE: **Percolation Test Results**

Purpose: To Establish Septic Reserved Area for Proposed Building Permit  
Property ID: 11276 Old Frederick Road  
Marriottsville, Maryland 21104  
Tax Map: 10 Parcel: 313

Dear Mr. Guzman:

Percolation testing was recently conducted on December 15, 2010 on the above referenced property; in an effort to establish sufficient septic reserve area to support building permit # B10001559 for the existing lot of record.

Following is a summary, by test number, that includes percolation test locations moved or added due to unsatisfactory topographic conditions, failing soil conditions, or failing percolation times. Also listed are recommendations for septic easement boundaries based on field observations. Shapes of the effected proposed easements will need to be redrawn according to locations of passing tests and field observations. (See field data sheet for all tests recorded.)

**Test 1 A:** Failed due to slow percolation rate. Also, trash was observed in hole at 2'.

**Test 2 A:** Failed due to the rock content and the amount of clay, which continued to 8 feet.

**Test 3 A:** Failed due to the rock content and the amount of clay, which continued to 8 feet.

**Test 1 B:** Passed due to excellent soil conditions and satisfactory percolation times.

Parallel with Old Frederick Road and will define the boundary of the newly established septic area.

**Test 2 B:** Passed due to excellent soil conditions. Parallel with Old Frederick Road and will define the boundary of the newly established septic area.

**Test 3 B:** Passed due to excellent soil conditions and satisfactory percolation times.

The original testing area failed due to the percentage of rock content and the percentage of clay contain in the soil. It was determined unsatisfactory for onsite wastewater disposal. The easement boundary for the tested area that passed may be drawn directly upslope about 60 feet from locations 1B and 2B, then parallel with elevation contour, 3B will form the boundary for the proposed septic area. (See site sketch.)

This location was determined satisfactory for onsite wastewater treatment disposal. But, will only support (1) one initial system and 1 repair. We require one initial system and 2 repairs for the proposed wastewater treatment disposal area. Because of the limited space for onsite wastewater treatment, the following must be addressed and noted on the Percolation Certification Plan:

- With the increase of residential development, when public community sewerage becomes available the owner will be required to connect within one year of availability. (At this time the residence is not included in the Metropolitan District.)
- If and when the new septic system fails, the owner of the residence will be required to connect to public sewerage system. No Exceptions.
- Because of the limited amount of area designated for wastewater treatment this area can only support 3 bedrooms max. (This must be noted on the Percolation Certification Plan).

A new system must be installed. The Percolation Certification Plan will be approved before this occurs. A note concerning this requirement will appear on the Percolation Certification Plan. Howard County Code now requires that this residence be served by a septic tank (or tanks) having total capacity of at least 2000 gallons. A note will be appear on the Percolation Certification Plan stating that the septic tank capacity will be at least 2000 gallons at time of septic system installation.

On the property an existing septic tank that was observed. The existing septic tank must be abandoned and noted on the Percolation Certification Plan. Also, a note must be made stating that the property is located within the Alpha Ridge Water Only Service Area and is connected to public water.

If you have any questions regarding this evaluation or the Percolation Certification Plan, please contact me at the above address or by telephone at (410) 313-2775.

Respectfully,

  
Dana Bernard, REHS/RS

Bureau of Environmental Health

Well and Septic Program

Development and Coordination

Phone: (410) 313-2775

E-mail: DBernard@howardcountymd.gov

DLB

Enclosures