

1/13/03

APPLICATION

PERCOLATION TESTING

A 518028-A

P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2840

DISTRICT _____

DATE 12/17/2002

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYS

PROPERTY OWNER Carl & Donna Buell 11789 Frederick Road

ADDRESS _____ PHONE _____

AGENT OR PROSPECTIVE BUYER GREENFIELD HOMES c/o WAYNE GREENFIELD

ADDRESS 6656 LUSTER DRIVE HIGHLAND MD. 20777 PHONE (410) 781-6782

PROPERTY LOCATION:

SUBDIVISION _____ LOT NO. _____

ROAD AND DESCRIPTION 11779 FREDERICK ROAD ELLICOTT CITY MD.

(Existing House to be removed & new house built)

TAX MAP 16 PARCEL # 75

SIZE OF LOT 1 AC. TYPE BLDG. single Family (REPLACE EX. SFD)
(SINGLE FAMILY DWELLING OR COMMERCIAL)

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE. I FULLY UNDERSTAN
FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NON-REFUNDABLE UNDER ANY CIRCUMSTANCES. I ALSO AGREE
COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT. Facharia & Fisch (agent)
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

DISAPPROVED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____

REASONS FOR REJECTION OR HOLDING _____

PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # _____ DATE _____

SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # _____ DATE _____

THIS IS NOT A PERMIT

COUNTY #

SOIL PROFILE

0' 609
 orge red
 brn
 hvly
 si cl lm

6' gray
 beige
 tan
 sa lm
 10-15%
 frags

12'

607

orge
 brn red
 hvly
 si cl lm

6-8'

brn
 si lm
 10-15%
 frags

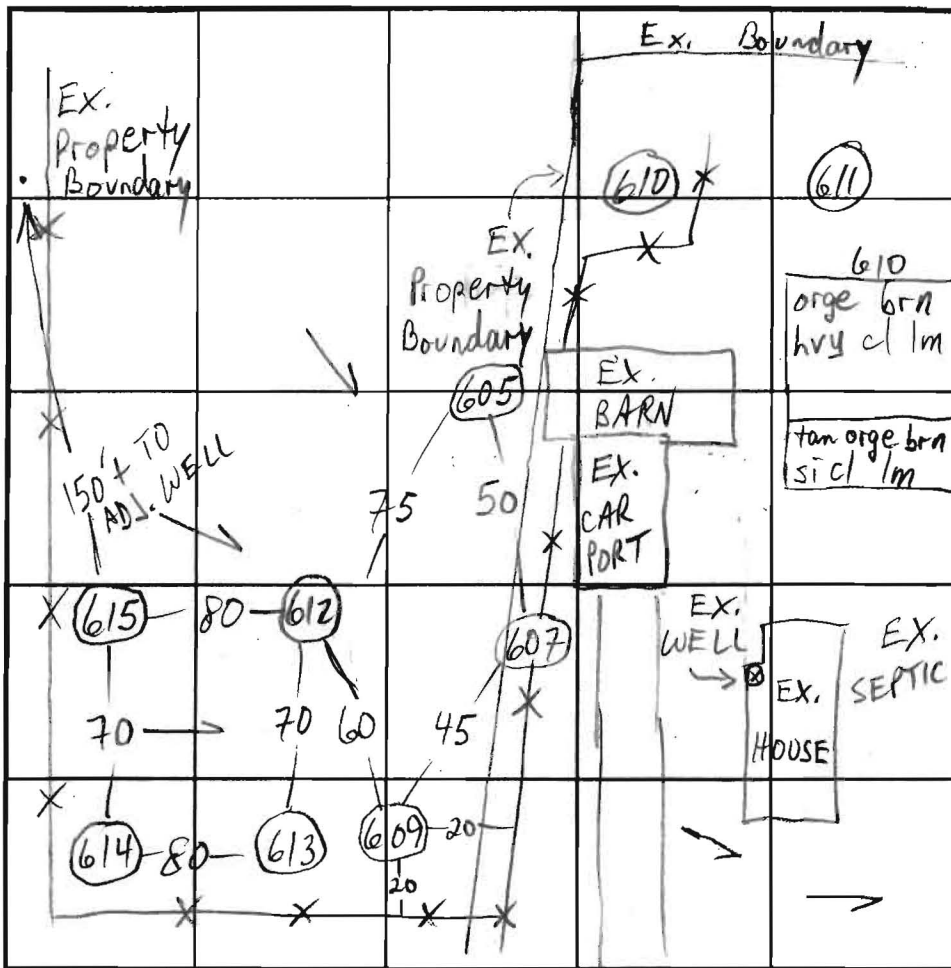
605

brn orge
 red
 hvly
 si cl lm

7-8'

tan beige
 lt. brn
 si sa mica
 lm
 10-15% Rx

13'



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE

0' 612 613
 orge red
 brn
 si cl lm

1 1/2 - 7'

brn yel
 tan orge
 lt. brn
 lm &
 sa lm
 10-15%
 frags

12 - 13'

614 615

dk. red
 brn orge
 si cl lm

1 1/2 - 6'

dk. brn
 beige sa lm
 10-20% Rx
 25-30% Rx

11 1/2 - 12 1/2'

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
1/13/03	609	7 3/4" / 9 1/4" / 12	10:49	11:02	11:02	11:21	19	
			10:47	10:52	10:52	10:57	5	
	605	7 / 10 / 13	11:10	11:30	1 1/4"		FAIL	
			11:04	11:09	11:09	11:19	10	
	607	12 1/2	NOT TESTED, LIKELY SLOW SOILS					
	610	7	12:37	1:07	1"		FAIL	
	611		NOT OBS'D; POOR SOILS PER R. MINOR					
1/28/03	612	5 3/4" / 6 3/4" / 8	1:56	2:00	V. SLOW			
			2:03	2:10	2:10	2:19	9	
	612	8 / 12	1:58	2:02	2:02	2:11	9	
	613	7 9/16" / 13	9:49	9:56	9:56	10:07	11	
	614	7 3/4" / 12 1/2	10:03	10:05	10:05	10:07	2 EST	
	615	8 / 12 5/8"	10:22	10:23	10:23	10:24	1	
			10:25	10:26	10:26	10:28	2	

REMARKS HOLES 610-615 NOT PER PLAN; OFFSITE ESMT PROPOSED

TYPE OF SOIL

TESTED BY M. Riskin

ALSO PRESENT Greenfield Rep, Fogle's

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME REPAIR 612/613 2 MIN TRENCH WIDTH 3

INITIAL INLET DEPTH 4 1/2 MAXIMUM BOTTOM DEPTH 6 1/2 SQ. FT./BEDROOM 180 210

REPAIR 5 7 INITIAL REPAIR



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

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

February 10, 2003

Greenfield Homes
6656 Luster Drive
Highland, MD 20777

RE: Percolation Test Results A 518028 A&B
Tax Map 16, Parcel 75 (Replacement Dwelling)
Tax Map 16, Parcel 273 (Ex. Parcel of Record)
Carl Buell Property, 11779 Frederick Road

Dear Mr. Greenfield:

Percolation testing conducted January 13 and 28, 2003 on the referenced property indicated limited satisfactory soil conditions. Soils on the existing occupied parcel were limited by deep clay layers. Copies of the test results are enclosed.

Further review is contingent upon submission by a registered engineer/surveyor of a percolation certification plan showing the following:

- 1) actual locations and elevations of all excavated test holes
- 2) a suitable house and well site for each lot
- 3) all existing wells and septic reserve areas/septic systems on the property
- 4) locations of any other relevant features such as streams, swales, or existing structures
- 5) a note must be included certifying that all existing wells and septic systems within 100 feet of property boundaries have been shown
- 6) a note indicating that depicted topography reflects field-matched information
- 7) a schedule for proper abandonment of the existing well and septic system on P. 75
- 8) suitable notation regarding recordation of proposed offsite sewage easement to serve P. 75.

The percolation certification plat should be submitted within 60 days to allow field verification if necessary. If you have any questions regarding this matter, please contact me at the above address or by calling (410) 313-2640.

Very truly yours,

Mark E. Rifkin, R.S.

Water and Sewerage Program

MR

Enclosures

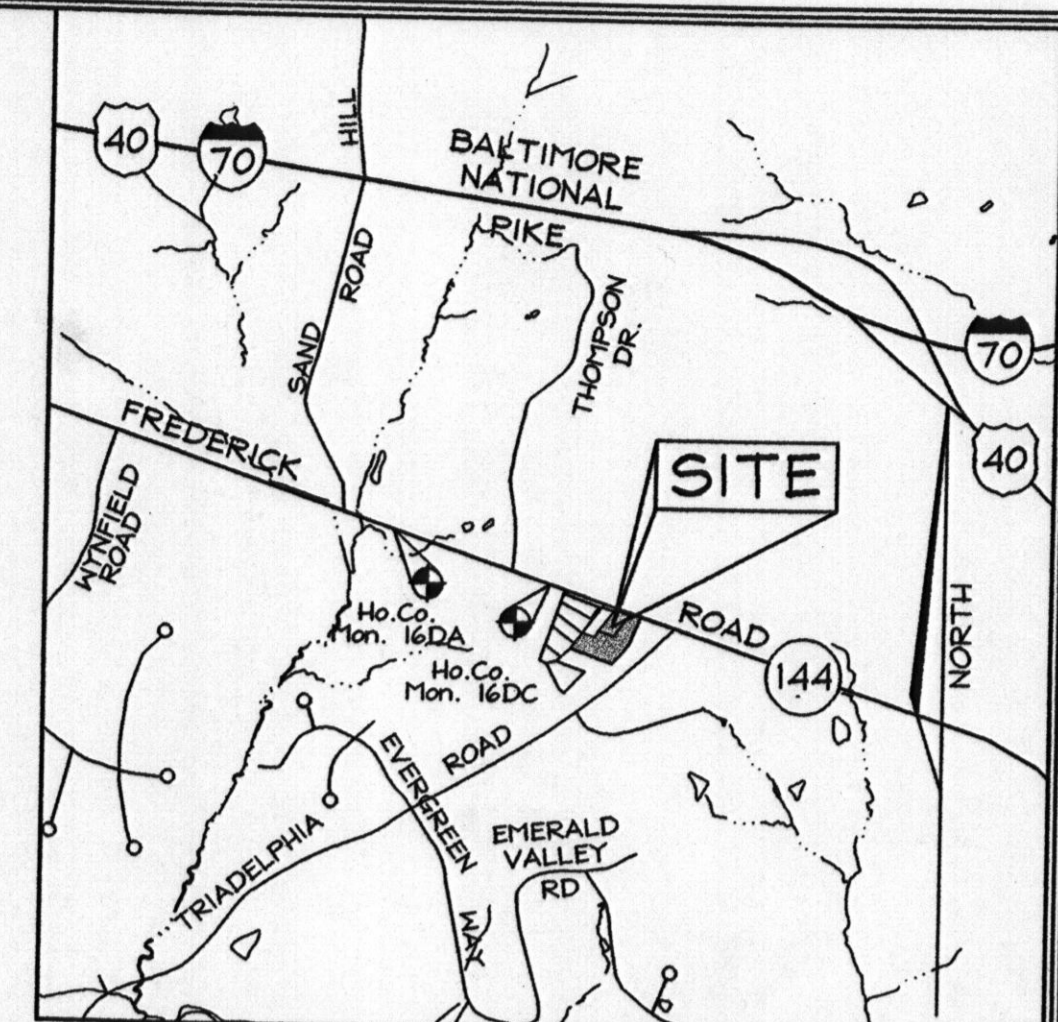
cc: FSH Associates
Carl Buell
File

SOILS LEGEND

SYMBOL	NAME / DESCRIPTION	SOIL GROUP
Ba	Baile silt loam	D
CgC2	Chester gravelly silt loam, 8 to 15 percent slopes, moderately eroded	B
ChB2	Chester silt loam, 3 to 6 percent slopes, moderately eroded	B
ChC2	Chester silt loam, 8 to 15 percent slopes, moderately eroded	B
GnB2	Glenville silt loam, 3 to 6 percent slopes, moderately eroded	C

LEGEND

- Existing Contour 552
- Existing Septic Area
- Proposed Septic Area
- Perc Test (Passed)
- Perc Test (Failed)
- Proposed House



GENERAL NOTES

1. Subject property zoned RR-DEO per 10/18/93 Comprehensive Zoning Plan.
2. Total area of property = 5.6076 Ac.
3. Private water, and sewer will be used within this site.
4. This area designates a private sewage reserve area as required by the Maryland State Department of the Environment for individual sewage disposal. Improvements of any nature in this area are restricted until public sewage is available. These reserve areas shall become null and void upon connection to a public sewage system. The County Health Officer shall have the authority to grant adjustments to the private sewage reserve area.
5. All wells and septic systems on adjacent properties within 100' of proposed wells and proposed septic systems have been shown.
6. Howard County Soil Map #14
7. Septic fields are located on soil types ChB2 and ChC2, as per the soil survey of Howard County.
8. Two (2) foot contours are taken from Howard County aerial topographic survey.
9. Existing well has been properly abandoned by a licensed well driller.
10. There are no steep slopes on site.
11. Proposed septic area at the front of Parcel 273 (bordering Frederick Road) is to serve Parcel 75. The owners of Parcel 75 have the right to connect to, use, improve and maintain the septic system installed in this area. Easement to be recorded in the Land Records of Howard County prior to issuance of a well permit for Parcel 75.

PERC. CHART

Number	Elevation
600	539.21
601	531.36
602	536.55
603	531.75
604	539.06
605	539.58
607	538.47
609	540.23
610	540.05
611	538.05
612	543.37
613	542.93
614	547.63
615	548.52



APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS IN ACCORDANCE WITH THE MASTER PLAN OF HOWARD COUNTY

[Signature] 3/19/03
COUNTY HEALTH OFFICER MR DATE

PERCOLATION CERTIFICATION PLAN
Signed **BUELL/GREENFIELD**
PARCELS 75 AND 273

TAX MAP 16 GRID 14 PARCELS 75 & 273
3RD ELECTION DISTRICT HOWARD COUNTY, MARYLAND



OWNER
Carl W. Buell and Donna M. Buell
11789 Frederick Road
Ellicott City, Maryland 21042

DEVELOPER
GREENFIELD HOMES, Inc.
6656 Luster Drive
Highland, Maryland 20777

FSH Associates
Engineers Planners Surveyors
8318 Forrest Street Ellicott City, MD 21043
Tel: 410-750-2251 Fax: 410-750-7350
E-mail: FSHAssociates@cs.com

DESIGN BY: PS
DRAWN BY: MRM
CHECKED BY: ZTF
SCALE: 1"=50'
DATE: March 13, 2003
W.O. No.: 3158
SHEET No. 1 OF 1