

# APPLICATION

Ex Lot already

PERCOLATION TESTING

A 520017

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 313-2640

DISTRICT \_\_\_\_\_

DATE 11/6/04

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 SYSTEM.

PROPERTY OWNER (Estate of George M LEAR)

ADDRESS 6713 Michaels Dr Bethesda PHONE 703-280-7173

AGENT OR PROSPECTIVE BUYER William A Lear

ADDRESS 6713 Michaels Dr PHONE fax 703-280-8409

PROPERTY LOCATION:

SUBDIVISION Lear Property LOT NO. 2

ROAD AND DESCRIPTION 11462 OLD Hopkins Rd

TAX MAP 41 PARCEL # 111

SIZE OF LOT 1 Acre TYPE BLDG. SFD  
(SINGLE FAMILY DWELLING OR COMMERCIAL)

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE. I FULLY UNDERSTAND THE FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NON-REFUNDABLE UNDER ANY CIRCUMSTANCES. I ALSO AGREE TO COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT. \_\_\_\_\_  
(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

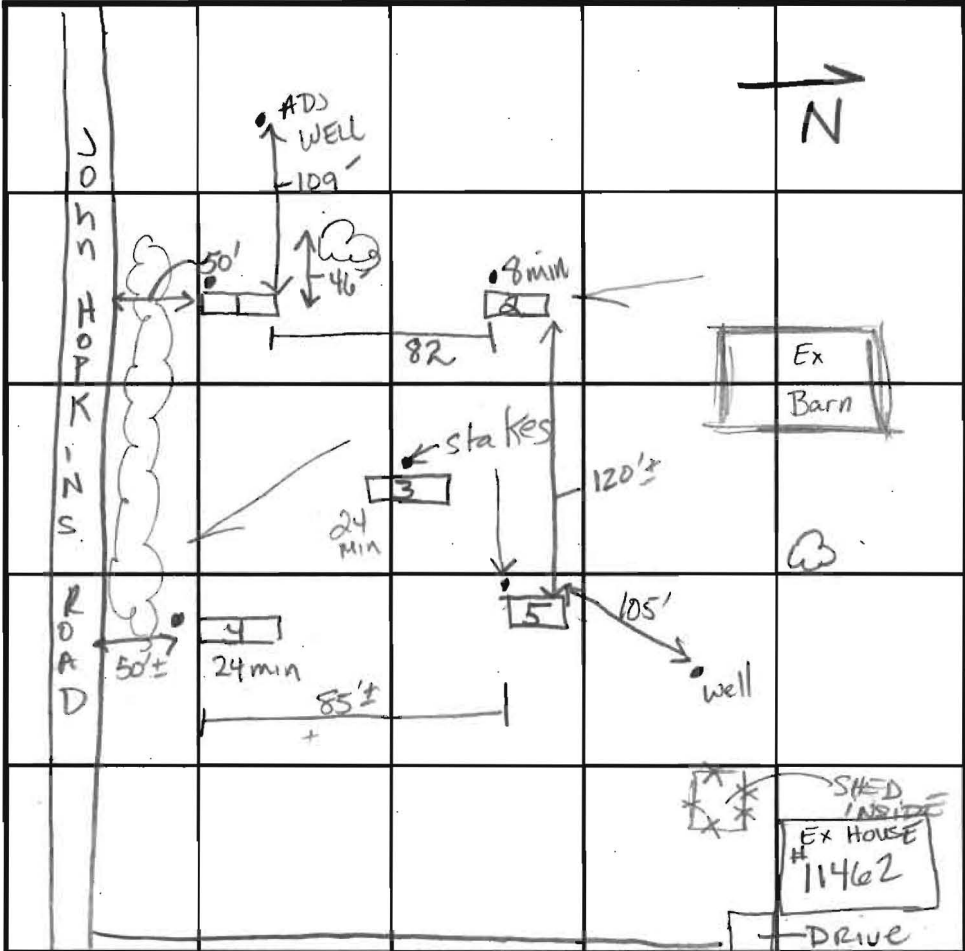
520017

Lot 2

COUNTY #

SOIL PROFILE

0' ①  
 Dense CLL  
 56'  
 SCLL compact Trace Rx  
 8'±  
 L Sand Trace Rx  
 10'  
 Ni wall pocket of clay mottled (v. sm. pocket)  
 Bottom 14'



SOIL PROFILE

0' ④  
 Strong rd brn SCLL dense Trace Rx  
 6'±  
 Strong yellow sil  
 Brn wk rd brn micaceous loose soil @ 10'  
 v. fr. SAP ~ 15%  
 Bottom 14'

②  
 tan y brn CLL  
 4'  
 str rd SCLL  
 6'  
 SL micaceous Rd, Rl brn Majenta  
 Trace Rx  
 texture v. fr. SAP ~ 10%  
 Change @ 9'±  
 Bottom 13'

⑤  
 Rd SCLL micaceous  
 v. micaceous, brn, tan L Sand udgr.  
 Bottom 14'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.  
 OLD HOPKINS RD

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
2/3/04	①	5'	TOO Slow Will go @		7'		Est	
		7½'-8'	L Sand;		@ 9'±	SLoam	8min	
	②	7'5"	10:41	10:45	10:45	10:53	8min	
	③	6'7" S	11:00	11:20	11:20	11:44	24min	
	④	6½'	11:15	11:24	11:24	11:46	22min	
	⑤	Visual due to best soil profile OK						
	④	soil tight/compacted until ~ 10'						
NEIGHBORS ACROSS STREET ARE SEP. BY MAJOR SWALE - NO CONFLICTS								

REMARKS Generally flat w/ some slope SE

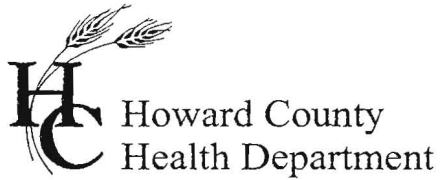
TYPE OF SOIL DEEP SCLL, then compacted SL

TESTED BY Kacie Noonan ALSO PRESENT Ed w/ Zapp Plumbing

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 16 TRENCH WIDTH 2

INLET DEPTH 7 MAXIMUM BOTTOM DEPTH 9 SQ. FT./BEDROOM 240

texture change @ 9'± to LS



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)

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

May 18, 2004

Mr. William Lear  
6713 Michaels Drive  
Bethesda, MD 20817

RE: **Percolation Test Results**  
Application: A520364  
Proposal: Subdivision/ Two lots  
Property ID: 11462 Old Hopkins Road  
Tax Map: 41 Parcel: 111

Dear Mr. Lear:

Percolation testing was conducted today, May 18, 2004, on the above referenced property. Soils contained trace amounts of rock and micaceous, permeable sandy loam. The existing septic system for the existing house showed evidence of failure due to degradation of existing, old pipe and grayish colored soils near the pipes with effluent visible.

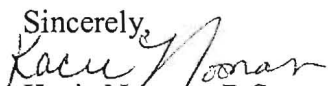
A **licensed surveyor** should submit a Percolation Certification Plan showing the following information to this office at this time:

- **Field-located** actual locations of all excavated test holes and label holes as done on sanitarian perc notes
- proposed well sites for (each) lot, including two replacement well sites for each lot (or an area of approximately 1000 to 1500 square feet of approvable well area per lot)
- a suitable house site for (each) lot (with footprint approximately 55 feet by 70 feet); if the existing house is to remain, state so in the 'General Notes' section
- locations of all existing wells (and tag number) and the septic system to be replaced
- locations and intent of all existing structures on the property
- field matched contour lines at 2-foot intervals with field-run topography between the easterly side of the newly established SDA for the existing house and the adjacent well located at 11417 Old Hopkins Road

- location of all existing wells and septic systems within 100 feet of all property boundaries
- include all applicable 'General Notes' as well as a statement to abandon and replace the existing septic system for the existing house prior to **final record plat signature**.

Forward the percolation certification plan requirements to the certified engineer of your choice. The plan should be submitted within sixty (60) days to allow field verification if necessary.

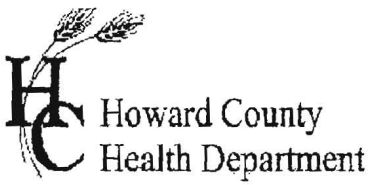
If you have any questions regarding this matter, please contact me at the address below or by calling (410) 313-1771. Thank you in advance for your time and cooperation.

Sincerely,  
  
Kacie Noonan, R.S.  
Well and Septic Program

Enclosures

Cc: file

**Howard County Health Department  
Bureau of Environmental Health  
3525-H Ellicott Mills Drive  
Ellicott City, MD 21043**



# APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

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

AP 520017

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

DATE 1/16/04

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 UNKNOWN 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) ESTATE OF GEORGE M LEAR

DAYTIME PHONE 703 280 7173 CELL \_\_\_\_\_ FAX 703 280 8409

MAILING ADDRESS 6713 MICHAELS DR BETHESDA MD 20817  
STREET CITY/TOWN STATE ZIP

APPLICANT WILLIAM A LEAR

DAYTIME PHONE 703 280 7173 CELL \_\_\_\_\_ FAX 703 280 8409

MAILING ADDRESS 6713 MICHAELS DR BETHESDA MD 20817  
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION  
SUBDIVISION/PROPERTY NAME N/A LOT NO. 2

PROPERTY ADDRESS 11462 OLD HOPKINS RD CLARKSVILLE  
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 41 GRID \_\_\_\_\_ PARCEL(S) P111 PROPOSED LOT SIZE 1 AC

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.

William A Lear  
SIGNATURE OF APPLICANT

HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM  
3525-H ELLICOTT MILLS DRIVE, ELLICOTT CITY, MARYLAND 21043-4544 (410) 313-1771 FAX (410) 313-2648  
TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH

# FILE INQUIRY FORM

Property Address: 11462 Old Hopkins Rd.

2:00 pm  
4/9/04

Spoke to Mr. Ray Pansy who was interested in doing percolation testing on lot 1 at this address but is awaiting lot lines between 1 & 2 to be changed.

I told him that KC has been working on the ~~perm~~ ~~cart~~ obtaining perc cart for lot 2 but that it appears non-buildable until the lot lines are changed. Told him to speak to KC in case she has any additional information or late breaking news on what is occurring on Mr. Leaf's property.

Mr. Pansy's phone number is ~~410-351-8271~~ 410-351-8271 pgs.; 443-285-0311

Ray Pansy 410-351-8271  
Pansy h 443-285-0311

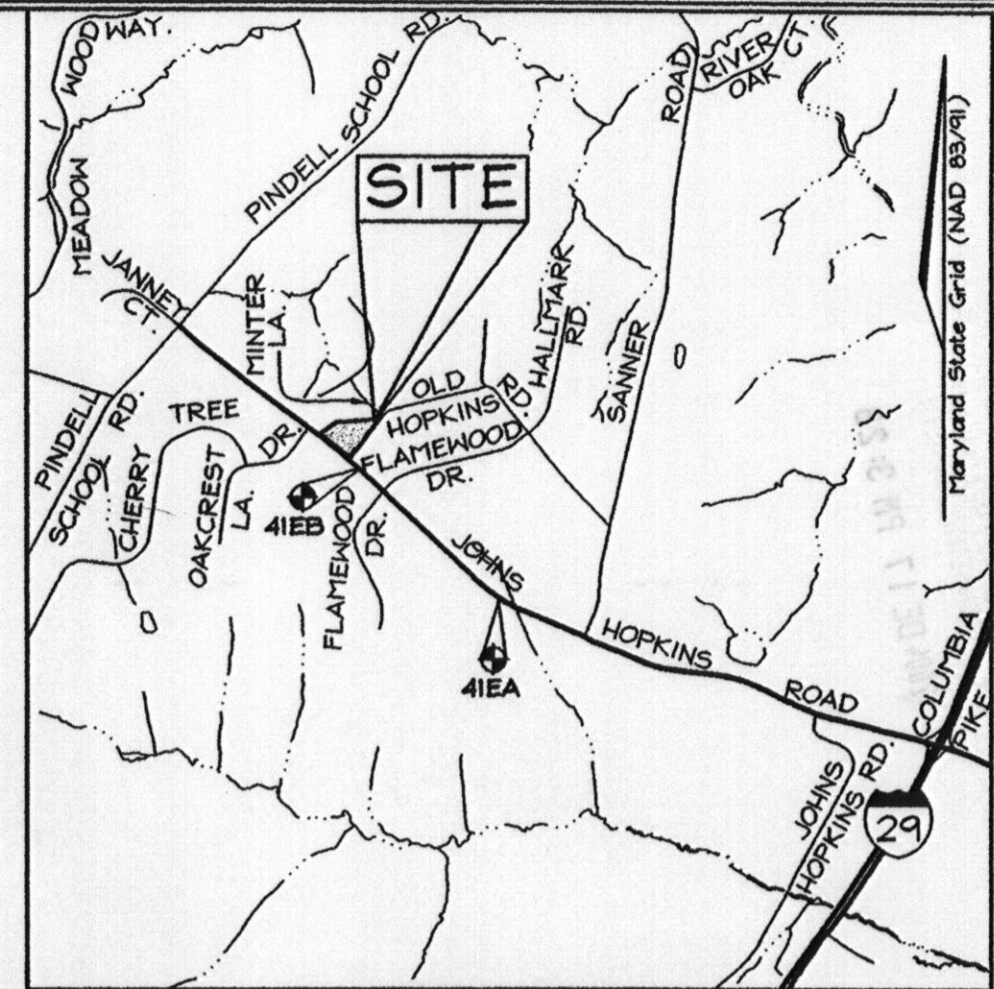
SOILS LEGEND		
SYMBOL	NAME / DESCRIPTION	SOIL GROUP
ChB2	Chester silt loam, 3 to 8 percent slopes, moderately eroded	B
GIB2	Glensig loam, 3 to 8 percent slopes, moderately eroded	B
MgB2	Manor gravelly loam, 3 to 8 percent slopes, moderately eroded	B
MgC2	Manor gravelly loam, 8 to 15 percent slopes, moderately eroded	B
MIA	Manor loam, 0 to 3 percent slopes	B

**LEGEND**

Existing Contour  
Existing Spot Elevation  
Existing Trees to Remain  
Proposed Septic Easement (10,000sf minimum)  
Existing Septic Area  
Proposed Well Area  
Proposed House  
Existing Perc Test (Passed)  
Existing Well

**PERC. CHART**

Number	Elevation
1	476.35
2	477.61
3	474.71
4	473.15
5	474.43
A	475.60
B	474.15
C	475.77
D	474.39

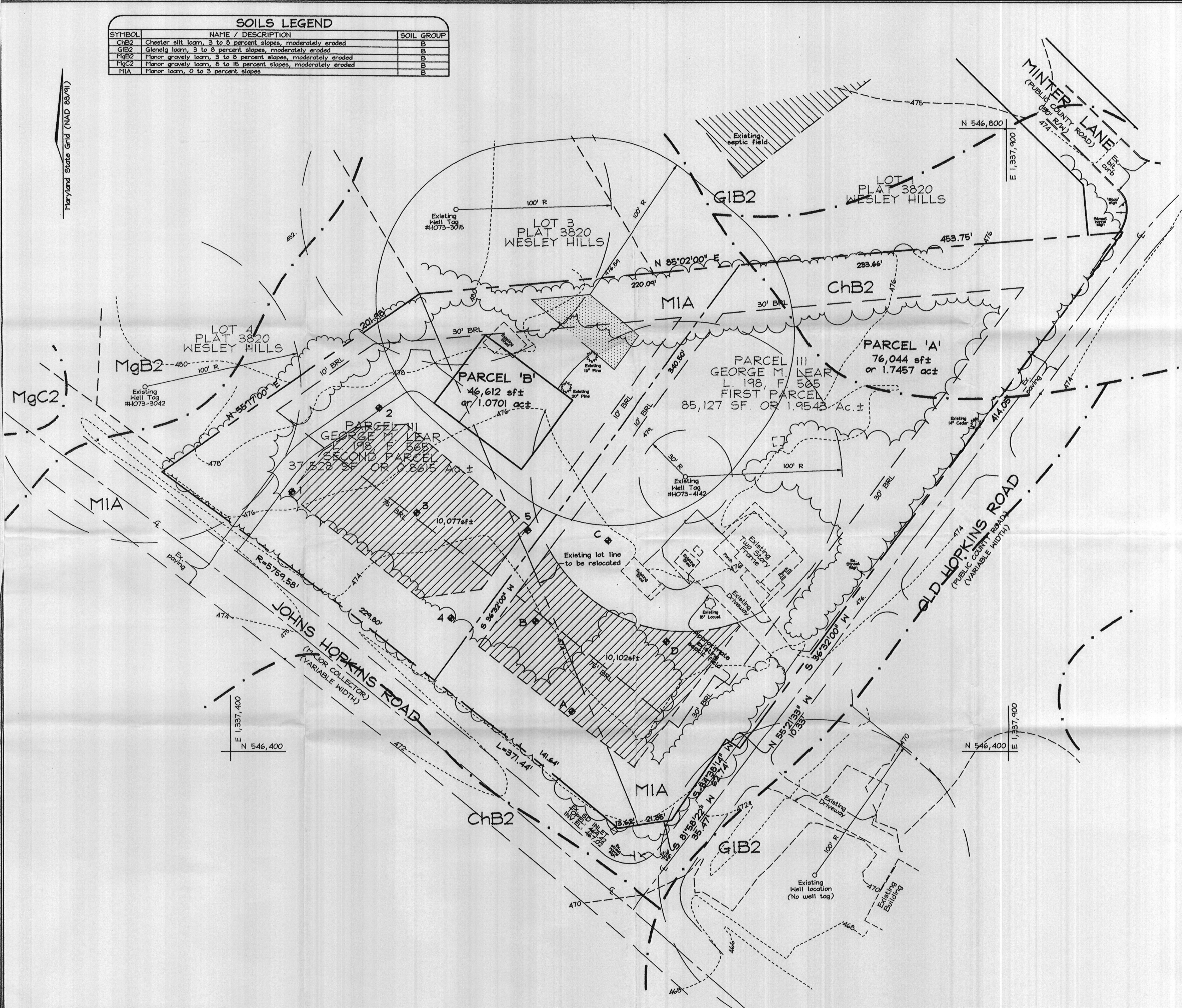


**BENCHMARKS**

Sta. 41EA	N 544,825.805 (FT)	E 1,339,217.454 (FT)	ELEV. 407.643 (FT)
Sta. 41EB	N 546,063.2375 (M)	E 408,194.2966 (M)	ELEV. 124.2499 (M)
	N 546,222.250 (FT)	E 1,337,778.162 (FT)	ELEV. 464.553 (FT)
	N 166,488.8750 (M)	E 407,755.5994 (M)	ELEV. 141.5961 (M)

- GENERAL NOTES**
- The coordinates shown herein are based upon the Howard County Geodetic Control which is based on the Maryland State Plane Coordinate system. Howard County monument numbers 41EA and 41EB were used for this project.
  - Subject property zoned RR-DEO per 2/2/04 Comprehensive Zoning Plan.
  - Total area of property = 2.82 ac.±
  - Private water and sewer will be used within this site.
  - This area designates a private sewage easement, of at least 10,000 SF (or 10,000 square feet per parcel for shared drain fields associated with a shared sewage disposal facility) as required by the Maryland State Department of the Environment for individual sewage disposal (COMAR 26.04.03). Improvements of any nature in this area are restricted until public sewage is available. These easements 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 easement.
  - All wells and septic fields within 100' of property's boundary have been shown.
  - On-site topography based on a Field Run Topographic Survey prepared by FSH Associates in September, 2004 with two foot contours. Off-site and non-critical topography based on Howard County 1998 Aerial Topographic Surveys with five foot contours.
  - The parcels shown herein comply with the minimum ownership, width and parcel area as required by the Maryland Department of the Environment.
  - Existing house on Parcel 'A' to remain.
  - The existing septic system on Parcel 'A' shall be abandoned and replaced.

Maryland State Grid (NAD 83/91)



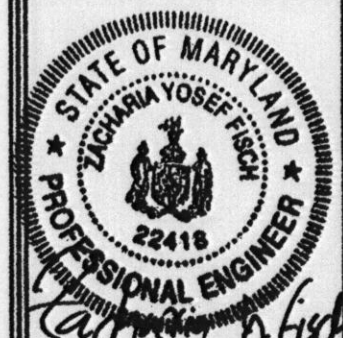
**OWNER/DEVELOPER**

George M. Lear  
Margaret N. Lear  
11462 Old Hopkins Rd.  
Clarksville, MD. 21029

**PERCOLATION CERTIFICATION PLAN**

**LEAR PROPERTY**  
**PARCEL 'A' & 'B'**

TAX MAP 4I GRID 15 5TH ELECTION DISTRICT PARCEL III HOWARD COUNTY, MARYLAND



**FSH Associates**  
Engineers Planners Surveyors  
8318 Forrest Street, Ellicott City, MD 21043  
Tel: 410-750-2251 Fax: 410-750-7350  
E-mail: info@fsha.biz

DESIGN BY: PS  
DRAWN BY: MTY  
CHECKED BY: ZYF  
SCALE: 1"=30'  
DATE: Oct 21, 2004  
M.O. No.: 3259  
SHEET No.: 1 OF 1

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

Robert J. Walden  
COUNTY HEALTH OFFICER  
HOWARD COUNTY HEALTH DEPARTMENT

11/5/04  
DATE