

6/27/02
1:30.

APPLICATION

PERCOLATION TESTING

A 516961

P _____

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

DISTRICT _____

DATE 5/2/2002

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 SYSTEM.

PROPERTY OWNER William D. Esters

ADDRESS 7192 Sanner Rd, Clarksville PHONE 410-792-7389

AGENT OR PROSPECTIVE BUYER Same

ADDRESS Same PHONE _____

PROPERTY LOCATION:

SUBDIVISION Same LOT NO. _____

ROAD AND DESCRIPTION Same

TAX MAP 41 PARCEL # 48

SIZE OF LOT 1 Acre m/l TYPE BLDG. Single Family
(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

COUNTY #

SOIL PROFILE ④

tan loam
Strong org. brn
grit. Sticky (some clay)
m. calcareous
loam
6'
slm
v.f. saprolite
platy
structure
≤ 15%
v. micaceous
@ 12" Mn lateral
aggregate
Bottom 13 1/2'

① ②

topsoil

4-6"
org brn
strong brn
Rx < 5%
heavy loam
5'

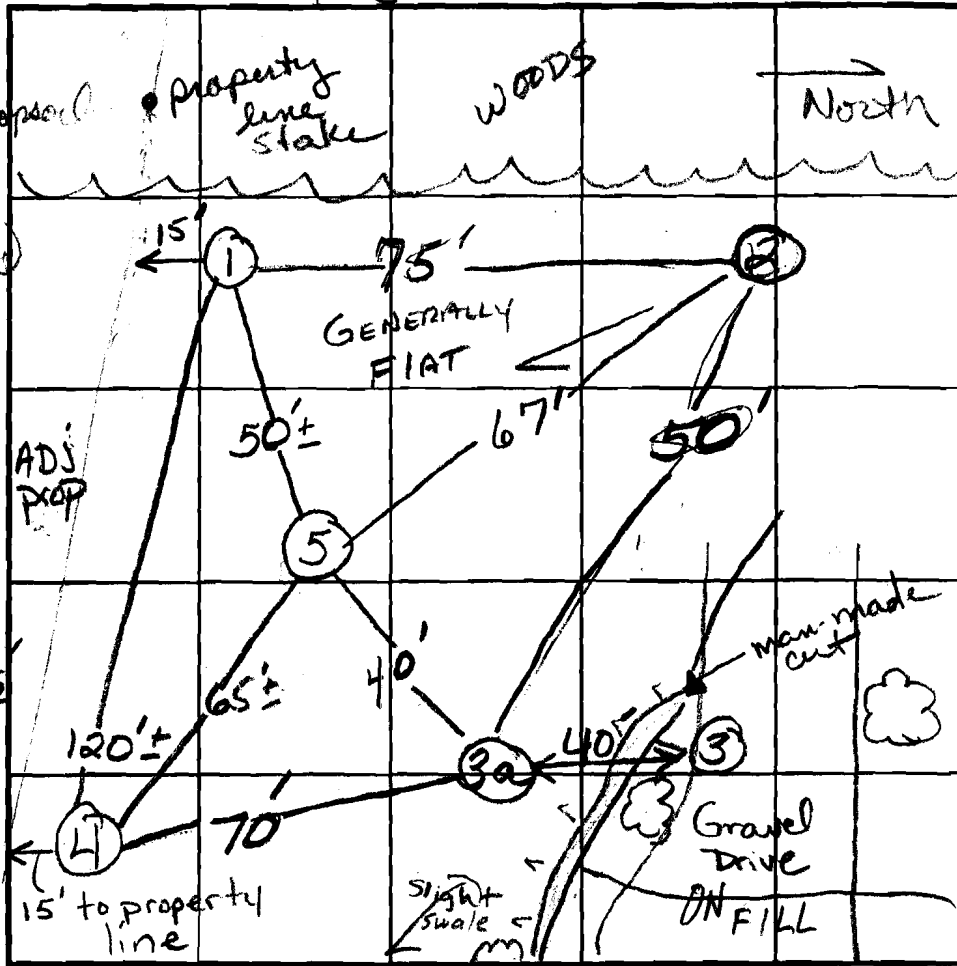
6'

org brn
Very
micaceous
SLM
blue
brn + blue
12' 15%
shrink
Bottom 13 1/2'

N ③a S

14 brn
white
Sandy
loam
org
CLAY
Lm
perc
hole
7'

v.f. saprolite
Rock
5-10%
Bottom 13'



SOIL PROFILE ⑤

14 brn
org
Densely
packed
SLM
6'
to
7'
Loam
Rx ≤ 10%
Bottom 13'

Electric line runs between the bushes

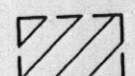




INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
6-27-02	④	2' / 13 1/2" V	1:22:54	1 1/2" in 6 min			⑥
		4'	AFTER 1st inch, time slowed to NOT PASSING				
	①	4' / 13" V	1:47:20	2 1/4" 47	TOO SLOW		⑥
	②	4' / 13 1/2" V	2:07	TOO SLOW	REPOUR AT 7'		
	①	6 1/2' S	2:44	2:59	3:43	1/8" to go	⑥
	②	7' S	2:54:50	2:57		3:01	4 min OK
	⑤	7' S / 13" V	3:08	3:18		3:40	22 min OK
	③a	7' S / 13" V	3:42	3:54	OUT OF TIME		EST 24 min OK

③ - Not dug due to gravel drive

REMARKS ① has clay layer running from 7'S to 4' North
 TYPE OF SOIL Although not much clay - interaction between CLAY and mica created impermeable barrier
 TESTED BY Noonan ALSO PRESENT W. Ester
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 21-30 min rate TRENCH WIDTH 3'
 INLET DEPTH 6' MAXIMUM BOTTOM DEPTH 8' SQ. FT./BEDROOM 300'

PERK LEGEND


-  SEWAGE DISPOSAL EASEMENT
-  SOILS TYPES
-  WELL
-  EXISTING WELLS
-  FIELD LOCATED PERC TEST

SURVEY LEGEND

- TL TREE LINE
- TRV SURVEY CONTROL
- CO CLEANOUT
- EG EDGE OF GRAVEL
- EP EDGE OF PAVEMENT
- BRK GRADE BREAK
- GR GROUND SHOT
- BLD BUILDING

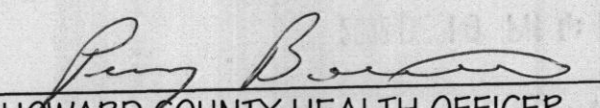
SOIL LEGEND MAP 29

- M1A - Manor loam, 0 to 3 percent slopes
- MgB2 - Manor gravelly loam, 3 to 8 percent slope, moderately eroded
- MgC2 - Manor gravelly loam, 8 to 15 percent slopes, moderately eroded

 THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. 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 SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES FOR **ADJUSTMENTS** OF THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY.

PRELIMINARY SEPTIC DESIGN
 4 BEDROOMS 1st SYSTEM 100 LF/BEDROOM 400LF PROVIDED
 2nd SYSTEM 100 LF/BEDROOM 400LF PROVIDED

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE
 HOWARD COUNTY HEALTH DEPARTMENT


 HOWARD COUNTY HEALTH OFFICER (KR) DATE 12/10/02

SURVEYOR CERTIFICATION

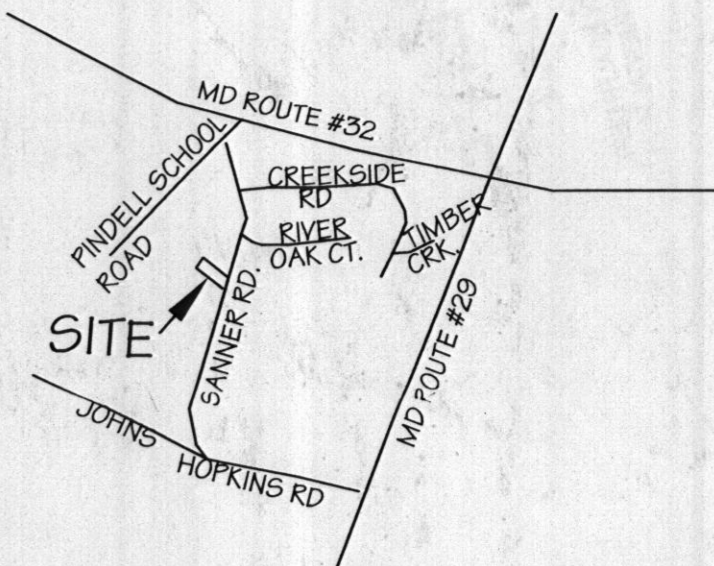
I certify that this topographic and percolation plat was prepared under my supervision.


 D. Wayne Weller, Professional Land Surveyor
 Maryland No. 0695



SEWAGE SYSTEM DESIGN DATA:

1. Invert @ foundation wall: 391.5
 2. Min. 1250 Gallon Septic Tank (4 Bedrooms)
 Provide Manhole to Finished Grade
 A. Ex. Ground Over Tank: 394.0
 B. Prop. Grade Over Tank: 393.0
 C. Invert In: 390.9
 D. Invert Out: 390.6
 3. Distribution Box: (Provide 4 Outlets Minimum)
 A. Ex. Ground Over Box: 394.0
 B. Prop. Grade Over Box: 393.0
 C. Invert In: 388.0
 4. Trench Design: 100 LF/Bedrm. X 4 Bedrm. = 400.LF
- | Invert | GP. Over | Lgth | Depth | Width |
|----------|----------|-------|-------|-------|
| 1. 388.0 | 394.0 | 145.0 | 6' | 3' |
| 2. 387.5 | 393.5 | 120.0 | 6' | 3' |
| 3. 386.0 | 392.0 | 85.0 | 6' | 3' |
| 4. 385.0 | 391.0 | 50.0 | 6' | 3' |



VICINITY MAP (N.T.S.)

NOTES:

1. Existing Zoning : RRDEO
2. Deed Reference : Liber 3628, folio 353
3. Total Area of Lot: 0.920 Acres ± or 40,086 sq.ft.
4. The lot shown complies with the minimum lot area and ownership width as required by The Maryland State Department of the Environment.
5. Existing wells have been shown within 100 feet of the lot which may effect this proposal.
6. The topography shown was field run by LDE Inc.
7. The horizontal and vertical control was based on Howard County Control monuments 41BA and 41CA.
8. The existing house will be removed.
9. Existing Septic System to be abandoned.
10. Two systems each adequate for a four bedroom home are shown.

Revised per Health Department Comments

12/2/02

LDE Inc.

Engineers, Surveyors, Planners
 9250 Rumsey Road, Suite 106
 Columbia, Maryland - 21045
 (410)715-1070 - (301)596-3424 - FAX(410)715-9540

SURVEY CREW BW/MS	PERCOLATION PLAT ESTERS PROPERTY TAX MAP 41 GRID 10 PARCEL 48 HOWARD COUNTY, MARYLAND	SCALE 1" = 30'
DRAWN BY JLW		JOB NO. 02-200.11
CHECKED DWW		FILE NAME 020011.DWG
DATE 4/02		WILLIAM D. ESTERS 7192 SANNER ROAD CLARKSVILLE MD. 21029-1803