

APPLICATION

PERCOLATION TESTING

A 514683

P _____

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2640

DISTRICT _____

DATE _____

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 Joann and Peter Geoghan

ADDRESS 8067 Browns Bridge Rd PHONE _____
20777

AGENT OR PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION Geoghan Property LOT NO. 1

ROAD AND DESCRIPTION Browns Bridge Rd

TAX MAP 40 PARCEL # 270 Block 5

SIZE OF LOT 1.03 Acres TYPE BLDG. _____
(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

0' _____

Clay
Loam

3a Cl
Loam

Sa
Loam,
Little
Rock

Saving Water

③

②

①

Road

~~Stream~~

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

[illegible]

REMARKS 1, 2, +3 Failed, Insufficient Depth to Water

TYPE OF SOIL

TESTED BY B. Baker

ALSO PRESENT

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME

TRENCH WIDTH

INLET DEPTH

MAXIMUM BOTTOM DEPTH

SQ. FT./BEDROOM

K+K, Zach Fisch,
Joahn Geoghan

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

THIS IS NOT A PERMIT

COUNTY #

SOIL PROFILE

0'

Red Br
Heavy
Loam

4.25'

Br Sa
Loam

Depth

A few
pockets
of ~30-
35% quartzWhere
Mottling
Starts

Unknown

Caving
Water

9.5'

12'

But May
Be Very
Shallow
6'?

(600)

Red Br
Heavy Loam

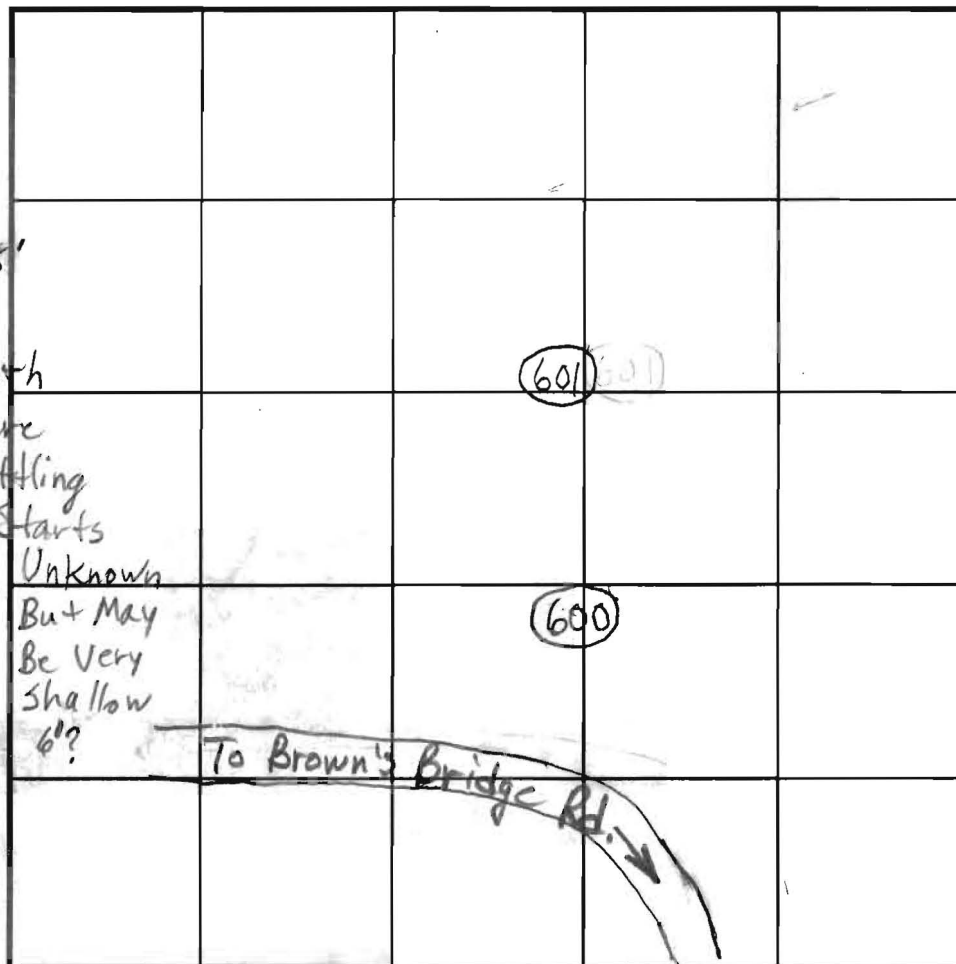
4'

Br Sa
Loam~10% Rock
Definite
Mottling at
9.5' - Possibly
as high as
11.5'
Water

11.5'

SOIL PROFILE

0'



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
8/22/02	601	4'8"/12'v	11:00	11:21	11:21	11:34	13
		33" 3	11:18	11:39	11:39	Pulled	
	600	3.5'/11.5'v	11:47	12:35	12:35	Pulled	
		5'	12:05	12:09	12:09	12:16:30	7 1/2

REMARKS

TYPE OF SOIL

TESTED BY

B. Baker, Barry Glottetty

ALSO PRESENT

K+K, John Bonis
Zach Fisco

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME

TRENCH WIDTH

INLET DEPTH

MAXIMUM BOTTOM DEPTH

SQ. FT./BEDROOM

4/1/02
12-30

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HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043

TELEPHONE: 313-2840

*infiltrometer
test w/1" min before
establishing constant rate
of drop (max 120 minutes)
& re-eval @ 1st wet season
max 4" perc depth*

DISTRICT _____

DATE _____

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 Geoghan

ADDRESS _____ PHONE _____

AGENT OR PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION _____ LOT NO. _____

ROAD AND DESCRIPTION _____

TAX MAP 40 PARCEL # 270

SIZE OF LOT 1.03 A. TYPE BLDG. _____
(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.

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

THIS IS NOT A PERMIT

COUNTY #

SOIL PROFILE

0'

Red Br
Heavy
Loam
~20% Clay

3'

Or Br
Loam
Much
Mostly
Sand
With Some
Clay,
Very Little
Silt

3.5'

⑤

Red Br
Heavy
Loam

3'

Or and
Red Br
Heavy Loam,
Gravelly

3.5'

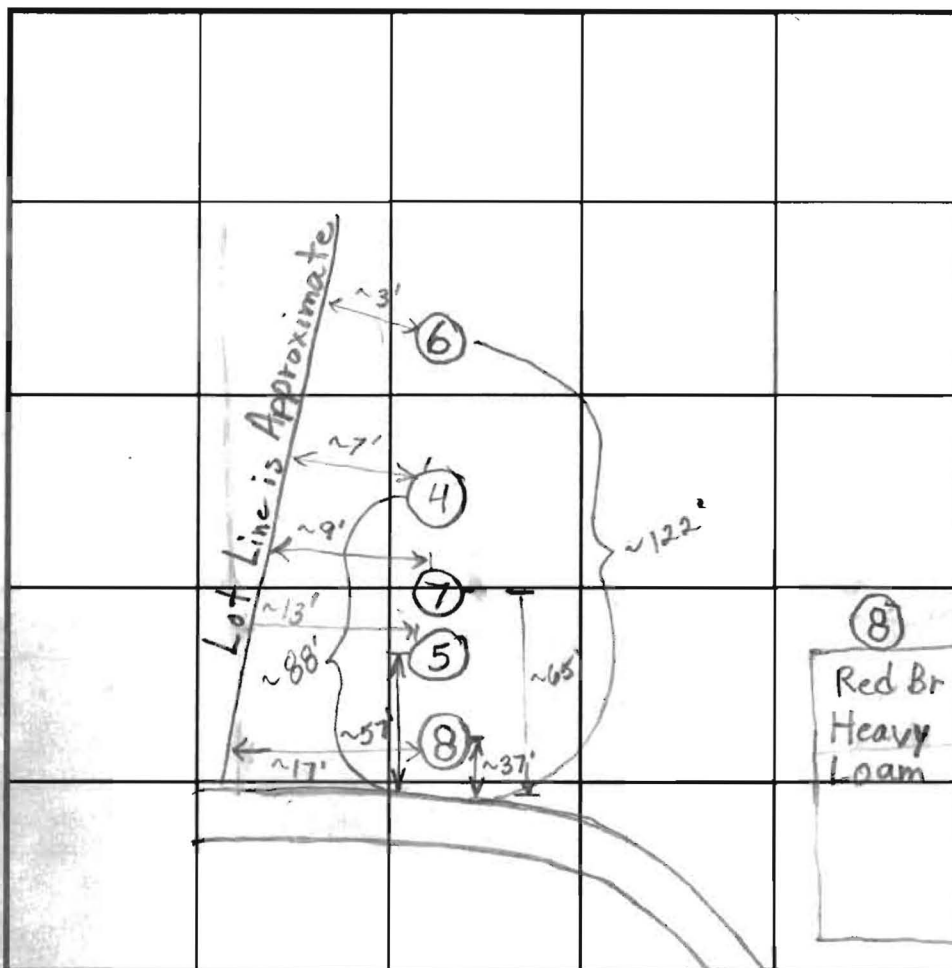
⑥

Red Br
Heavy Loam
~20% Clay

3'

Red Br
Loam
Very
Gravelly

3.5'



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE

0'

Red Br
Heavy
Loam,
Gravelly

3'

Red Or
Br Loam

3.5'

⑧

Red Br
Heavy
Loam

4'

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
4/1/02	4	4'/3.5'V	1:56	1:58:30	1:58:30	2:01	2 1/2
	Repair	4/3.5'V	2:04:30	2:13	2:13	2:27	14
	5	4'/3.5'V	2:16	2:31	2:31	3:18	47
	6	4'/3.5'V	2:33	2:36:45	2:36:45	4:41:45	5
	7	4'/3.5'V	2:59	3:01:15	3:01:15	3:04:45	3 1/2
	8	4-4.5'/4'V	3:21	3:45	3:45	4:30	45

REMARKS

TYPE OF SOIL

TESTED BY B. Baker

ALSO PRESENT

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME

TRENCH WIDTH

INLET DEPTH

MAXIMUM BOTTOM DEPTH

SQ. FT./BEDROOM

**Goeghan Property - Lot 1
Browns Bridge Road**

6-21-01

Original perc notes and file lost before they were mailed to engineer. All test holes were bad to marginal. Engineer asked if he could propose sand mound septic system for site. I told him it looked unlikely, but, if he want to put together a proposal, I would review it.

- O.K. to design a system sized the initially for both the initial system and one repair
- Must maintain 50 feet off the stream
- Must maintain 100 feet off the existing wells.

skm

4/1/02 Insufficient room for sand mounds. Testing done on 8/22/02 for leaching beds was nonconclusive and will require a true wet season. Pre-treatment suggested by Barry Ghotfelty for any type of system that may be approved.

(Envirotech - peat) Maintenance contract also

Need variance to install system less than 100' from stream.

Need 900 sq. ft.
of treatment

2- Leach Beds

or 3' wide trenches

5' apart 18" - 4'

gravel Envirotech
Pretreatment

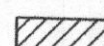


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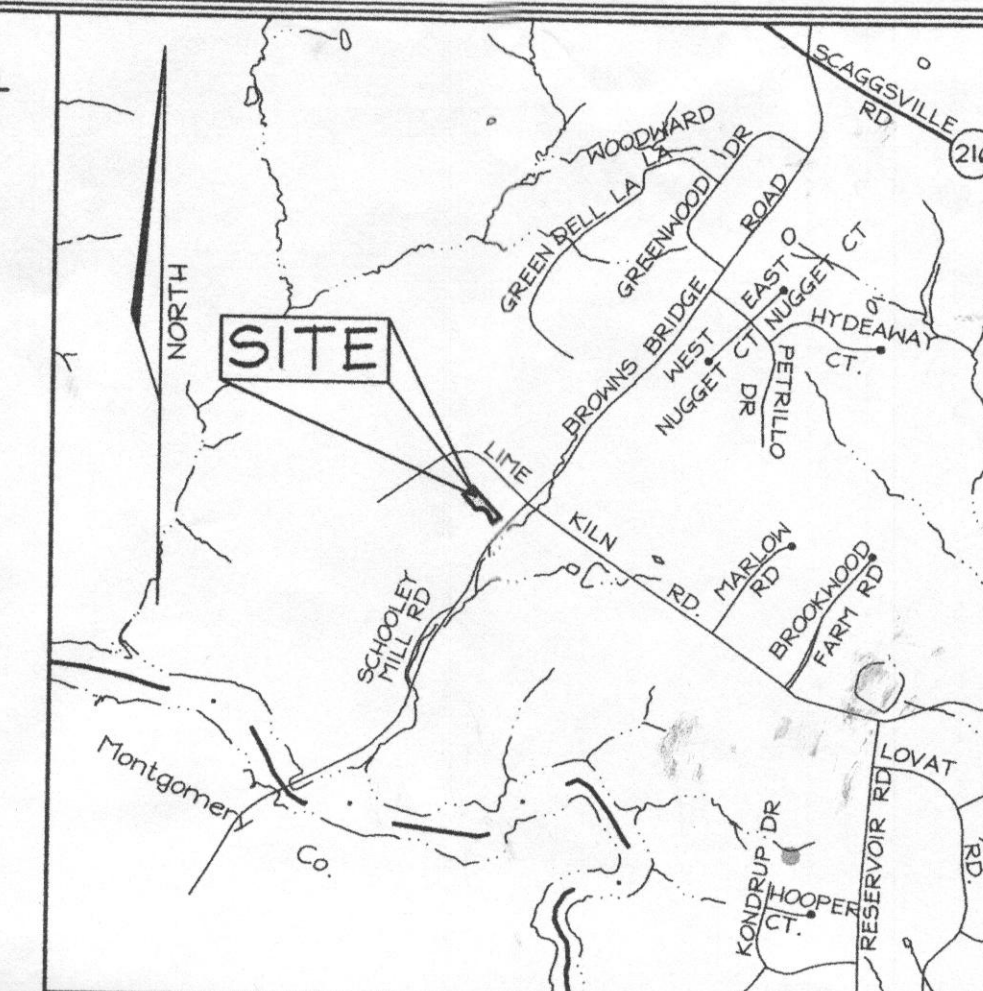
E 1,324,400

N 542,000

E 1,325,000

LEGEND

- Existing Contour --- 552
Existing Septic Area 
Proposed Septic Area 
Perc Test (Passed) 
Center line of Stream --- & STREAM ---
Top of Stream Bank --- TOP BANK ---



VICINITY MAP

SCALE: 1"=2000'

SOILS LEGEND

SYMBOL	NAME / DESCRIPTION	SOIL GROUP
EKB2	ELIOAK SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED	B
EKC2	ELIOAK SILT LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED	B
GnB2	GLENNVILLE SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED	C
MIC2	MANOR LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED	B
MID2	MANOR LOAM, 15 TO 25 PERCENT SLOPES, MODERATELY ERODED	B

GENERAL NOTES

- Subject property zoned RR-DEO per 10/18/93 Comprehensive Zoning Plan.
- Total area of property = 1.0322 Ac.
- Private water, and sewer will be used within this site.
- This area designates a private sewage easement of 1,750 SF± 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 variances for encroachments into the private sewage easement. A modified sewage easement shall not be necessary.
- All wells and septic systems within 100' of property's boundary have been shown where pertinent.
- Howard County Soil Map #28.
- The septic fields are located on soil types MIC2 as per the soil survey of Howard County.
- Topography within septic easement field run by CB Miller & Associates July 2002 with one foot contours. Remaining topography is based on Howard County 1993 Aerial Topographic Surveys with five foot contours.
- All percolation test holes and their elevations have been field located by C.B. Miller and Associates, Registered Land Surveyor.
- The lot hereon complies with the minimum ownership width and lot area as required by the Maryland State Department of the Environment.
- The septic fields proposed are located on areas with slopes less than 25%.
- Proposed house for Lot 1 may have no more than 3 bedrooms.
- Lot 1 to utilize Enviro-Tec treatment system.

PERC. CHART

Number	Elevation
P1	359.81
P2	361.11
P3	361.25
P4	361.82
P5	362.23

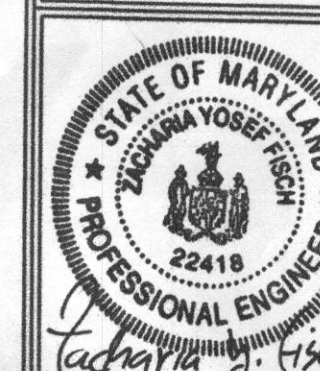
OWNER

c/o Peter & Joann Geoghan
8067 Browns Bridge Road
Highland, MD 20777
301-854-2271

PERCOLATION CERTIFICATION PLAN GEOGHAN PROPERTY

TAX MAP 40 GRID 23
5TH ELECTION DISTRICT

PARCEL 270
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: FSHAssociates@cs.com

DESIGN BY: PS
DRAWN BY: M2
CHECKED BY: ZTF
SCALE: 1"=30'
DATE: August 5, 2002
W.O. No.: 3031
SHEET No.: 1 OF 1







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

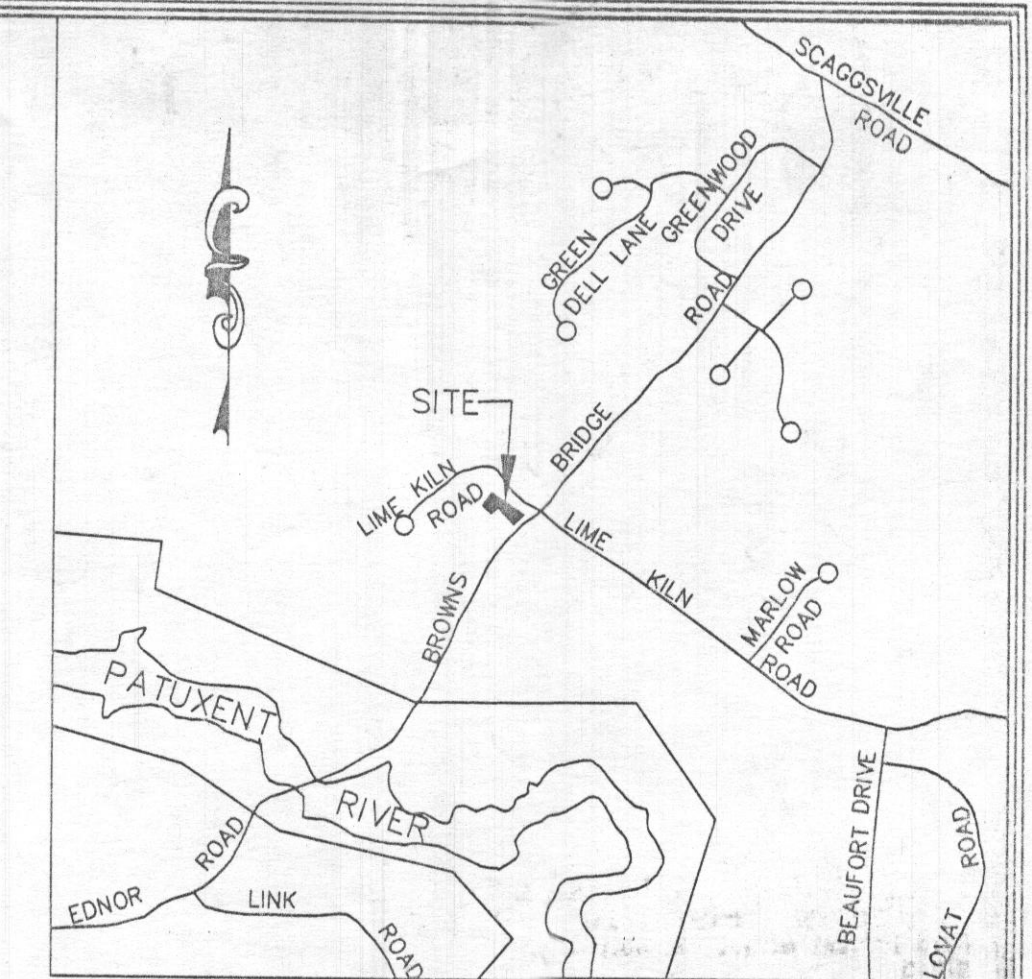
COUNTY HEALTH OFFICER

DATE

Z:\GEOGHAN 3031.dwg\PerC\3031.s.dwg 08.05.02 112

LEGEND

-  DENOTES PROPOSED HOUSE
-  DENOTES PROPOSED HOUSE
-  SEPTIC RESERVE AREA
-  WELL AREA
-  EX. CONTOUR
-  LOT NUMBER



VICINITY MAP
SCALE: 1" = 2000'

GENERAL NOTES:

1. TOTAL AREA OF PROPERTY = 45,196 sq. ft.
2. PRIVATE WATER AND SEWER WILL BE USED WITHIN THE PROJECT.
3. 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 SEWERAGE IS AVAILABLE. THIS AREA SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES FOR ENCROACHMENTS INTO THE PRIVATE SEWAGE RESERVE AREA.
4. THE LOT HEREIN COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
5. ALL WELLS AND SEPTIC FIELDS WITHIN 100' OF PROPERTY'S BOUNDARY HAVE BEEN SHOWN WHERE PERTINENT.
6. THE SEPTIC FIELDS PROPOSED ARE LOCATED ON AREAS WITH SLOPES LESS THAN 25%.
7. TOPOGRAPHY BASED ON HOWARD COUNTY 1993 AERIAL.

3 Bedroom Max. House Note
1' CONTOURS @ LEACH BEDS
FIELD-VERIFIED
CONF. OF HOUSE FOOTPRINT
SHOW ADS. SDA - LOT 10, LKV
MOVING DRIVE?
ENVIRO-TECH TRTMT SYSTEM

PLAN
SCALE: 1" = 50'

PERCOLATION APPLICATION PLAN LOT 1 GEOGHAN PROPERTY

OWNER/APPLICANT

JOANN T. GEOGHAN
PETER T. GEOGHAN
8087 BROWN'S BRIDGE ROAD
HIGHLAND, MD 20777

HOWARD COUNTY, MARYLAND
SCALE: AS SHOWN DATE: NOVEMBER 29, 2000
SHEET TAX MAP: 40 PARCEL: 270 GRID: 23
FIFTH ELECTION DISTRICT
1 OF 1

Correct

A514683

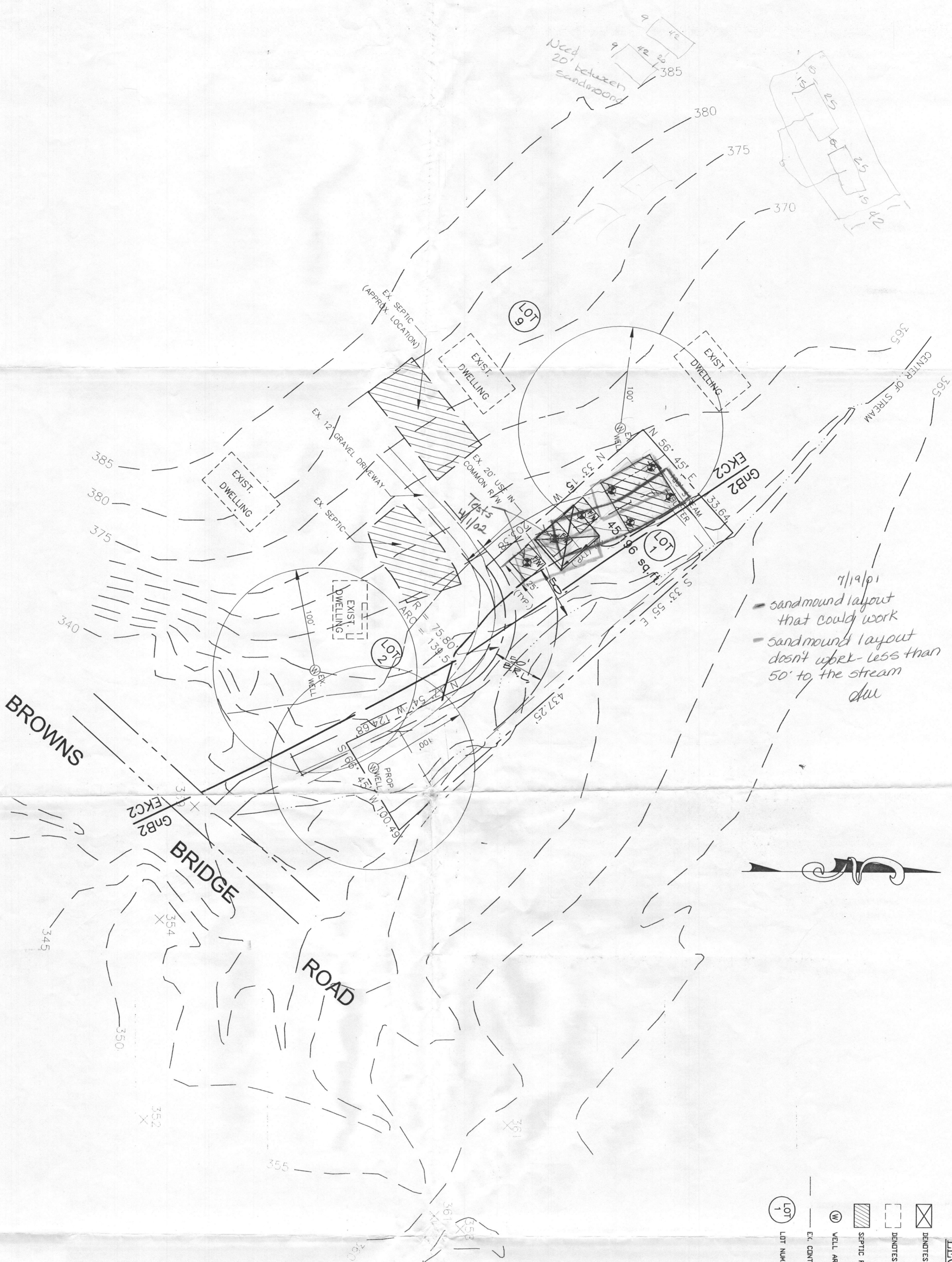
FSHAssociates
Engineers Planners Surveyors
6316 Forrest Street Ellicott City, MD
21043
Tel: 410-750-2251 Fax: 410-750-7350
E-mail: FSHAssociates@cs.com

PLAN
SCALE: 1" = 50'

OWNER/APPLICANT
JOHN T. GEOGHAN
PETER F. GEOGHAN
8087 BROWN'S BRIDGE ROAD
HIGHTSTOWN, MD 20777

PERCOLATION APPLICATION
PLAN
LOT 1
GEOGHAN PROPERTY

HOWARD COUNTY, MARYLAND
SCALE: AS SHOWN DATE: NOVEMBER 29, 2000
SHEET: TAX MAP 40 PARCEL 270 GRID 5
FIFTH ELECTION DISTRICT
1 OF 1



- LEGEND**
- INDICATES PROPOSED HOUSE
 - INDICATES PROPOSED HOUSE
 - SEPTIC RESERVE AREA
 - WELL AREA
 - EX. CONTOUR
 - LOT NUMBER

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 - THE LOT RESERVE AREA WITH THE MINIMUM DIVERSITY WITHIN THE LOT RESERVE AREA SHALL BE MAINTAINED BY THE LANDLORD.
 - ALL WELLS AND SEPTIC FIELDS WITHIN 100' OF PROPERTY'S BOUNDARY HAVE BEEN SHOWN WHERE PERTINENT.
 - THE SEPTIC FIELDS PROPOSED ARE LOCATED ON AREAS WITH SLOPES LESS THAN .5%.
 - TOPOGRAPHY BASED ON HOWARD COUNTY 1993 AERIAL.

