

11/30/00  
2:00-3:00  
3/12/02  
NOON

**PERMIT**  
**SEWAGE DISPOSAL SYSTEM**  
HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
410-313-2640

P514643  
P ~~510218~~  
A 510218 REPAIR

ISSUE DATE 11/13/2000

APPROVAL DATE \_\_\_\_\_

INDEXED

Susan Baker-GRAY IS PERMITTED TO INSTALL X ALTER \_\_\_\_\_

ADDRESS 6510 Paper Place - Barn + GARAGE PHONE 301-854-2340

SUBDIVISION \_\_\_\_\_ LOT NUMBER \_\_\_\_\_ ADDRESS Barn at 6510 Paper Place

PROPERTY OWNER Susan Gray PROPERTY OWNER'S ADDRESS 6510 Paper Place

SEPTIC TANK CAPACITY 1000 1500 GALLONS CHAMBERED

INTENT IS FOR PERSONAL USE

PUMP CHAMBER CAPACITY \_\_\_\_\_ GALLONS

BATHROOM IN BARN AND IN GARAGE

NUMBER OF BEDROOMS 3

ESTIMATED FLOW - 50 G.P.D.

SQUARE FEET PER BEDROOM \_\_\_\_\_

WILL INSTALL 1500 GALLON CHAMBERED

LINEAR FEET OF TRENCH REQUIRED 180

SEPTIC TANK AND TRENCHES SUFFICIENT FOR 3 BR HOME IE 450 GALLONS PER DAY

TRENCHES: Trenches to be 2 feet wide. Inlet 3.5 feet below original grade. Bottom maximum depth 7.5 feet below original grade. 4 feet of stone below distribution box.

(PW)

LOCATION: Run trenches behind existing barn on level ground, as shown on attached plan.

5/8/00 OK  
Aer

PLANS APPROVED Mark E. Rifkin DATE 4-21-2000

PERMIT VOID AFTER 2 YEARS

NOTE: CONTRACTOR RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS

NOTE: TOP OF SEPTIC TANKS ARE TO BE NO DEEPER THAN 3.0 FEET BELOW FINISH GRADE

NOTE: WATERTIGHT SEPTIC TANKS REQUIRED

NOTE: CLEANOUT REQUIRED EVERY 70 FEET OF SEWER LINE AND/OR AT 90° SWEEPS IN LINES FROM HOUSE TO DRAIN FIELDS, 90° ELBOWS ARE NOT ACCEPTABLE

NOTE: ALL PARTS OF SEPTIC SYSTEMS (I.E. TANK, DISTRIBUTION BOX, DRAINFIELDS) TO BE 100 FEET FROM ANY WATER WELL UNLESS OTHERWISE SPECIFICALLY AUTHORIZED

NOTE: NO ABSORPTION TRENCH TO EXCEED 100 FEET IN LENGTH UNLESS SPECIFICALLY AUTHORIZED

NOTE: ALL PIPE FROM HOUSE TO SEPTIC TANK MUST BE CAST IRON OR SCHEDULE 35/40 PVC OR ABS

NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

NOTE: IF PUMPED SEPTIC SYSTEM REQUIRED, (1) SEPTIC PUMP DETAIL TO BE PROVIDED BY INSTALLER PRIOR TO ISSUANCE OF SEPTIC PERMIT (2) PUMP PERFORMANCE TEST IS NECESSARY PRIOR TO HEALTH DEPARTMENT APPROVAL OF SEPTIC PERMIT

NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM  
PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT  
CALL 410-313-2640 FOR INSPECTION OF SEPTIC SYSTEM

A510218





# PERMIT

## SEWAGE DISPOSAL SYSTEM

### DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 44678

A REPAIR

DISTRICT \_\_\_\_\_

DATE 12/10/90

DATE SYSTEM APPROVED 12/28/90

INSPECTOR M.K. Fenton

INDEXED

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
461-9933

Jack Fyock \_\_\_\_\_ IS PERMITTED TO INSTALL \_\_\_\_\_ ALTER X

ADDRESS 13775 Triadelphia Road, Glenelg, Maryland 21737 PHONE 988-9270

SUBDIVISION \_\_\_\_\_ LOT \_\_\_\_\_ ROAD 6510 Paper Place

PROPERTY OWNER \_\_\_\_\_ Ms. Susan Gray

ADDRESS \_\_\_\_\_ 6510 Paper Place

SEPTIC TANK CAPACITY \_\_\_\_\_ GALLONS

NUMBER OF BEDROOMS 4

\_\_\_\_\_ SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED \_\_\_\_\_

REPAIR - TO INSTALL NEW TRENCH TO EXISTING SEPTIC SYSTEM. CALL FOR INSPECTION WHEN GROUND IS OPENED SO SANITARIAN CAN RECOMMEND REPAIR.

~150 # GR INLET 2' BOT 10' 7.5-80' TRENCH

PLANS APPROVED BY \_\_\_\_\_ Craig Williams DATE 11/28/90

COVER NO WORK UNTIL INSPECTED AND APPROVED

NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM

NOTE: CLEANOUT REQUIRED EVERY 70 FEET OF SEWER LINE AND/OR AT 90° SWEEPS IN LINES FROM HOUSE TO DRAIN FIELDS, 90° ELBOWS NOT ACCEPTABLE.

NOTE: ALL PARTS OF SEPTIC SYSTEMS (I.E. TANK, DISTRIBUTION BOX TRENCHES) TO BE 100 FEET FROM WELL (UNLESS OTHERWISE SPECIFICALLY AUTHORIZED)

NOTE: IF DEEP TRENCH(ES) ARE USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCH(ES)

NOTE: NO DRY WELL SHALL EXCEED 15 FOOT IN DIAMETER NO ABSORPTION TRENCH TO EXCEED 100 FEET IN LENGTH

NOTE: ALL PIPE FROM HOUSE TO SEPTIC TANK MUST BE CAST IRON OR SCHEDULE 35/40 PVC OR ABS

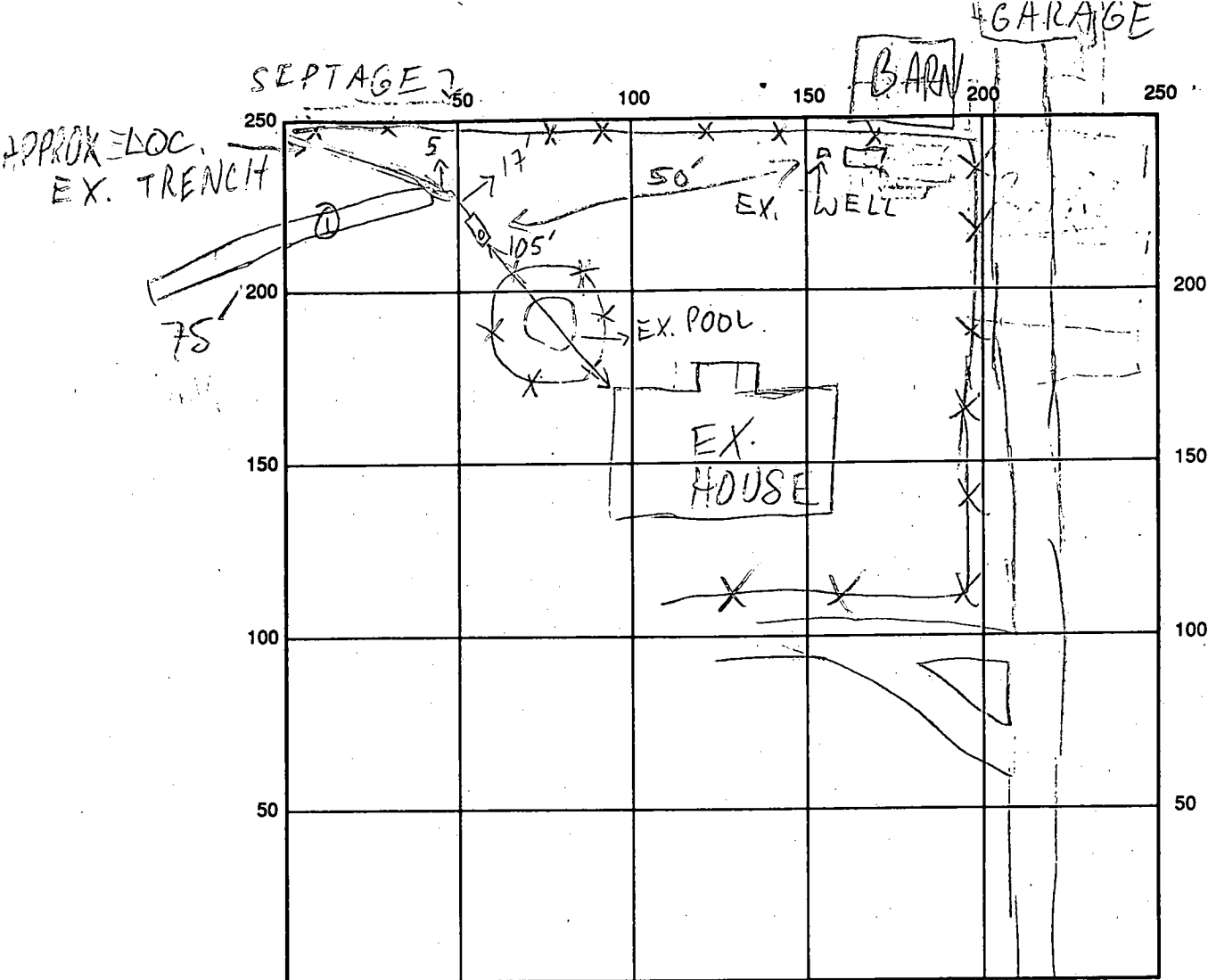
PERMIT VOID AFTER TWO YEARS

NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL STAND PIPES MUST BE 6 INCHES IN DIAMETER CAST IRON. CONCRETE OR TERRA COTTA OR PVA OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET. MANHOLE TO GRADE REQUIRED.

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

**\*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT**

44678



INDICATE NORTH NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL PAPER PLACE 1000 GAL - OK CLEANOUTS OK

DISTRIBUTION BOX LEVEL     

DRAIN FIELD/TITLE DEPTH 10 FT. TRENCH WIDTH 2 FT. INLET DEPTH 2 FT.

EFFECTIVE GRAVEL DEPTH 8 FT. TOTAL LENGTH 75± FT.

NUMBER OF TRENCHES 1 ONE SIDEWALL/BOTTOM AREA 600 SQ. FT.

DRYWALL INSIDE DIAMETER      FT. EFFECTIVE DEPTH BELOW INLET      FT.

ABSORBENT AREA 600 SQ. FT.

REMARKS: 11/28/90 OK TO FINISH & COVER MR

DATE SYSTEM APPROVED 11/28/90 INSPECTOR M. Riskin

# APPLICATION

PERCOLATION TESTING

6-29-98  
PREVIEW OK

A 510218

P \_\_\_\_\_

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

Purpose - Add two bathroom addition to the existing barn. Applicant has plans to expand the barn more-in-law apt. and/or commercial riding arena-in the future. Establish a minimum of 10,000<sup>sq</sup> for the barn & 10,000<sup>sq</sup> for the existing house

DISTRICT \_\_\_\_\_

DATE 6-19-98

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 Susan + Todd Gray

ADDRESS 6510 Paper Place Highland 20777 PHONE 301-854-1052

AGENT OR PROSPECTIVE BUYER N/A

ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

PROPERTY LOCATION:

SUBDIVISION N/A LOT NO. N/A

ROAD AND DESCRIPTION Paper Place - 6510 off Prestwick Dr.

TAX MAP \_\_\_\_\_ PARCEL # \_\_\_\_\_

SIZE OF LOT 9 acres 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.

Susan Gray  
(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

510218

COUNTY #

SOIL PROFILE

1  
orange clay 1m  
3.5'  
tan/orange sandy powdery clay loam  
12.5'  
5% shale frags

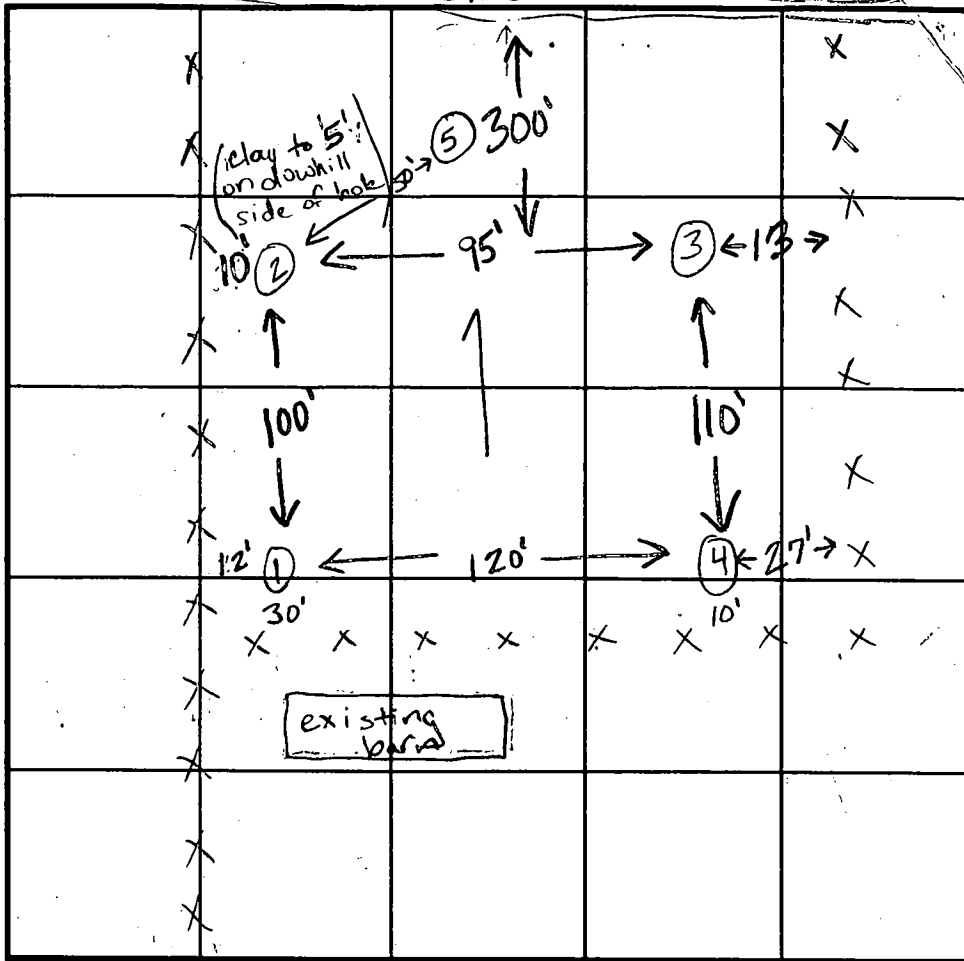
2

orange clay 1m  
3'  
tan sandy mica clay 1m  
10% shale frags  
12'

3

orange clay 1m  
4'  
tan orange sandy mica loam  
10% shale  
12'

stream



SOIL PROFILE

4  
orange clay loam  
3.5'  
tan sandy clay loam powdery  
10% rock frags  
13'

5

orange cl 1m  
3.5'  
tan/brown silty 10% shale  
12'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
7-20-98	1	13.0'S	1:00:35	1:13:35	1:13:35	1:32	18:30
		12.5'D	visual	ok	- see profile		
	4	3.5'S	1:14	1:20	1:20	1:32	12 min
		13.0'D	visual	ok	- see profile		
	3	4.5'S	1:35:20	1:40	1:46	1:59	19 min
		12.0'D	visual	ok	- see profile		
	2	3.0'S	2:07:20	2:08	2:08	2:09	1 min
		12.0'D	visual	ok	- see profile		
		(repour)	2:09:10	2:10:30	2:10:30	2:12:20	1:50
	5	12.0'D	visual	only	- ok see profile		

REMARKS test holes not staked

TYPE OF SOIL

TESTED BY Kim Maiste

ALSO PRESENT Susan Gray

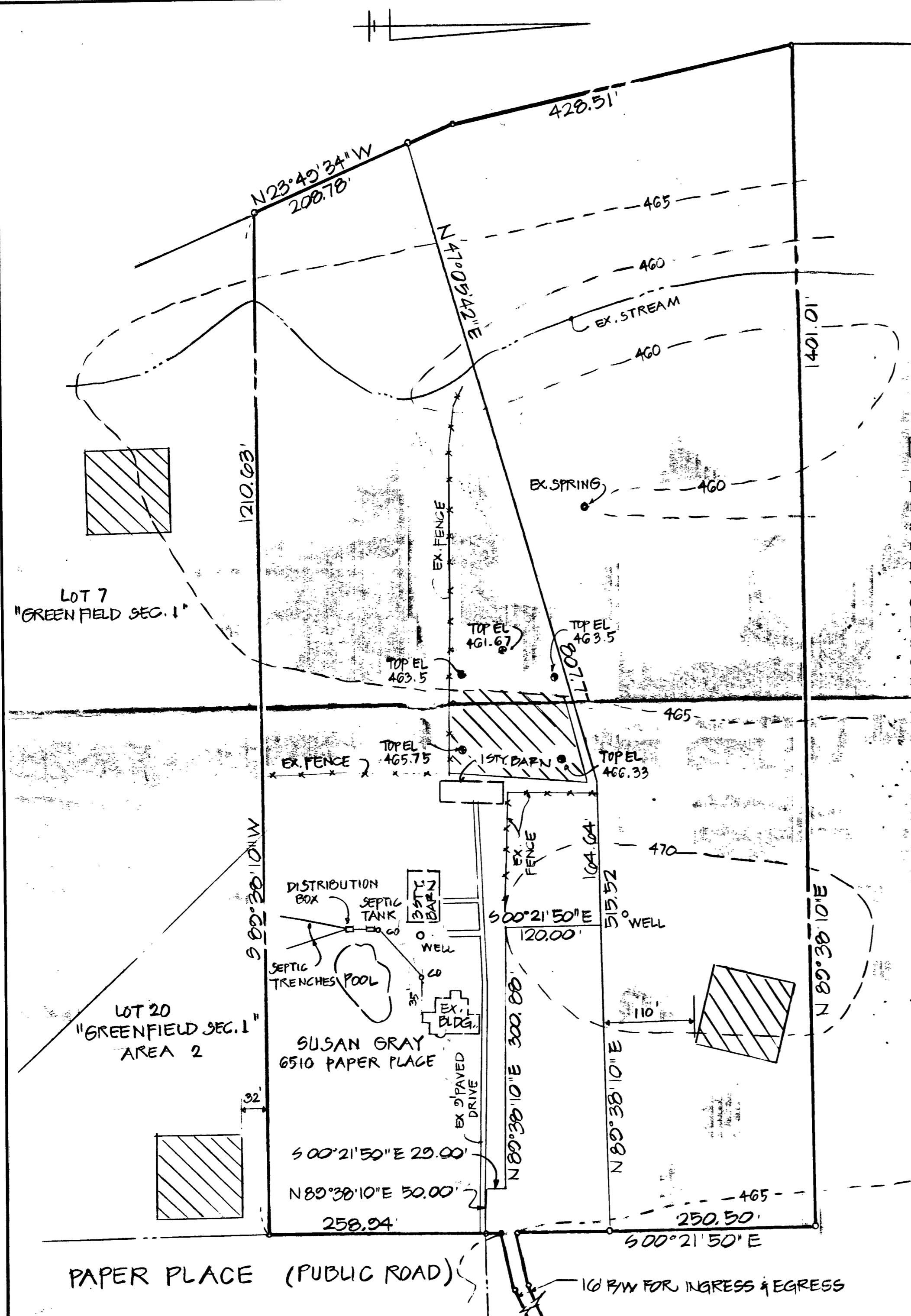
TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 12-13 minutes TRENCH WIDTH

INLET DEPTH

MAXIMUM BOTTOM DEPTH

SQ. FT./BEDROOM





PURPOSE OF SEPTIC EASEMENT IS TO PROVIDE AREA FOR HOME OFFICE AND EXISTING PRIMARY RESIDENCE.

This area designates a private sewage easement as required by the Maryland State Department of the Environment for the 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 sewage system. The County Health Officer shall have the authority to grant variances for encroachments into the private sewage easement. Recordation of a modified sewage easement shall not be necessary.

Percolation test holes shown hereon have been field located and are shown as "⊙".

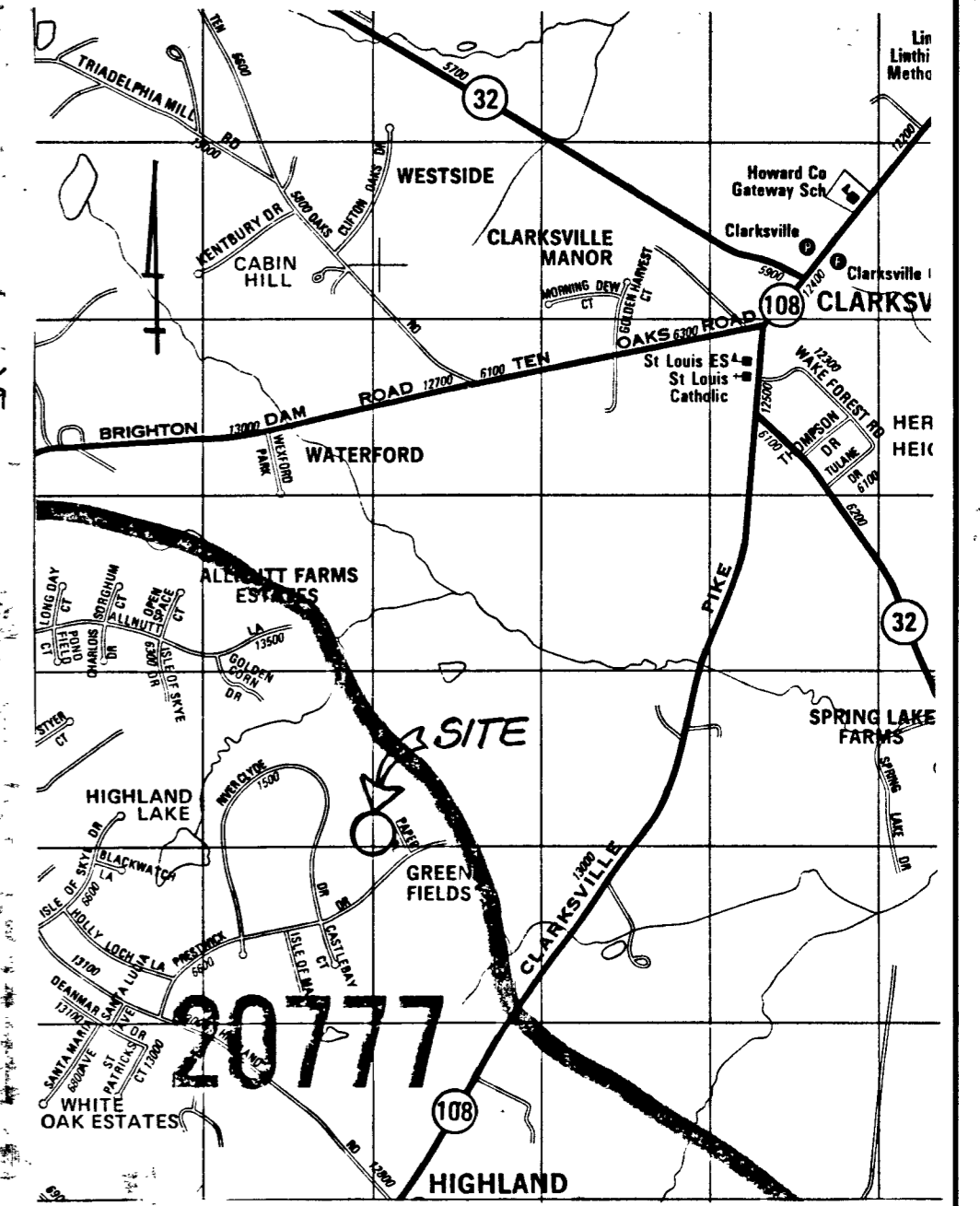
The lot shown hereon complies with the minimum ownership width and lot area as required by the Maryland State Department of the Environment.

Percolation area and water wells for adjoining lots have been shown where pertinent.

APPROVED: For Private Water and Private Sewage System

Mary Sue Baker per [Signature] 5/17/99  
 County Health Officer CW DATE

**OWNER INFORMATION**  
 SUSAN GRAY  
 6510 PAPER PLACE  
 TAX MAP 34 PARCEL 254  
 5TH ELECTION DISTRICT  
 HOWARD COUNTY, MD.



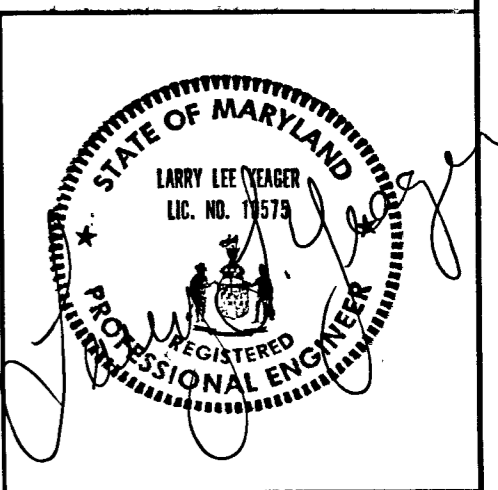
**VICINITY MAP**  
 HOWARD COUNTY ADC MAP 14 CID.  
 SCALE: 1" = 2000'

Drafting	RH		
Check	LY		
Design	LY		
Check	LY	DATE	REVISIONS
			NO

**YEAGER ENTERPRISES**  
 2640 THOMPSON DRIVE  
 MARRIOTTSVILLE, MD. 21104  
 PHONE (410) 442-1331

**PERCOLATION TEST PLAT**  
 PROPERTY OF SUSAN GRAY 6510 PAPER PLACE  
 ELECTION DISTRICT 5 HOWARD COUNTY, MD.

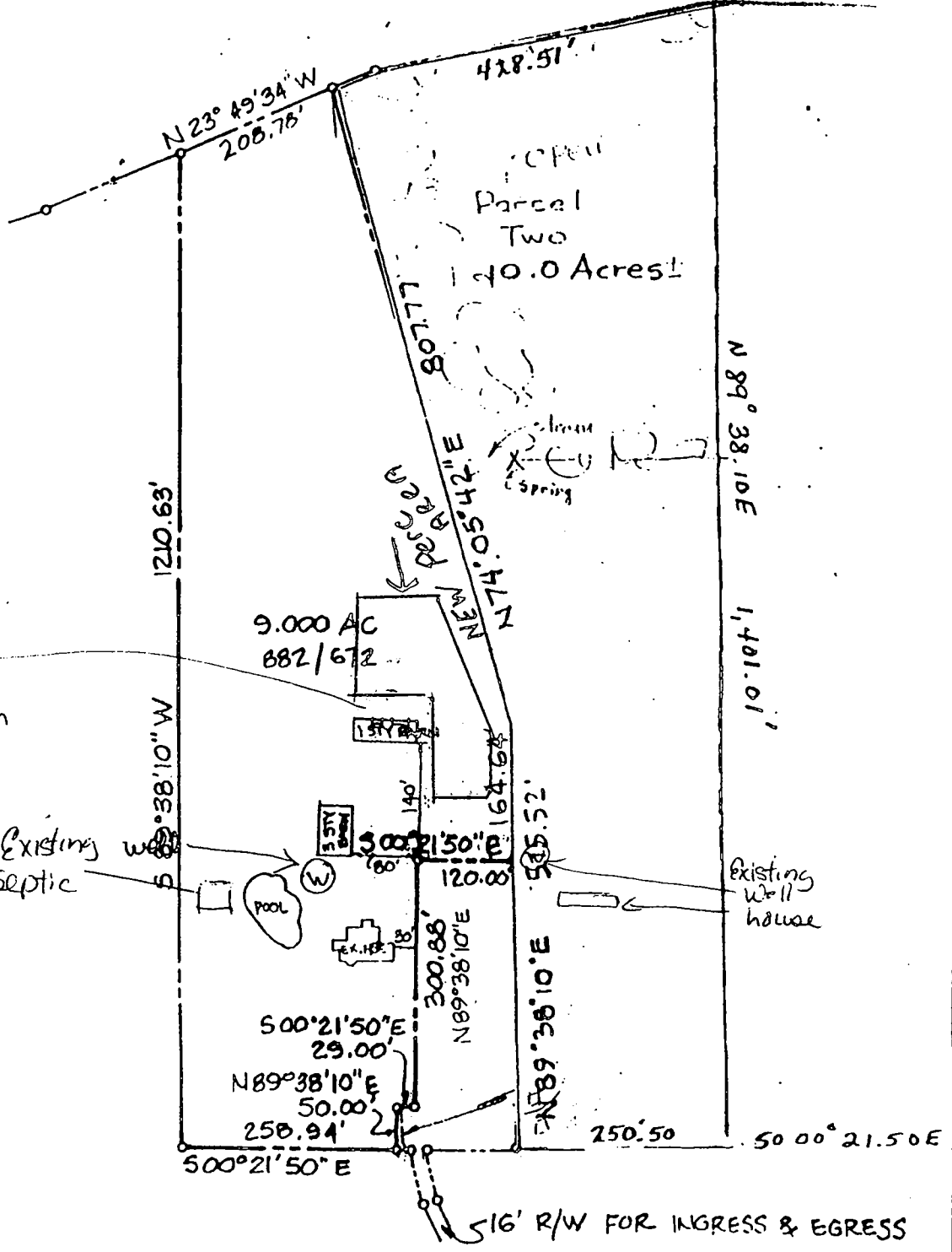
SHEET	DATE	JOB NUMBER
↓	2/15/99	
OF	SCALE	
↓	1" = 100'	99-311



Adding  
bathroom  
wash room  
to 1sty barn

Existing well  
Septic

Existing well  
house



TITLE	<b>LOCATION SURVEY</b>
PROJECT	MICHAEL LITZ PROPERTY
LOCATION	5th ELECTION DISTRICT, Howard

STATE OF MARYLAND  
ROSARIO DIMARCO  
N. 01721  
REGISTERED PROFESSIONAL ENGINEER  
THIS IS TO CERTIFY THAT WE HAVE CONDUCTED A LOCATION SURVEY OF THE IMPROVEMENTS AND THAT THEY ARE LOCATED AS SHOWN HEREBY  
SIGNATURE: *[Signature]*  
REG. NO. \_\_\_\_\_ DATE: 8/31/84

April 16, 1999

Review chronology - Susan Gray - Percolation test proposal  
"barn" - 6510 Paper Place

- 6/29/98 - Test application filed, declared purpose - SFD
- reviewer's (alm) interview summary notes elaborate that the plan was to make a "two bathroom addition" to an existing barn for a mother-in-law apartment and/or a commercial riding arena; reviewer's notes specified that a minimum 10,000 sq ft sewage easement be established for the barn and another 10,000 sq ft for the existing house.
  - prior file history shows a 1990 septic repair consisting of trench replacement, no prior record of established easement nor effort to establish one at that time.
  - test application acceptance letter written to Gray, advising of test date, that area requirement for barn was estimated only since the application was not specific enough to determine projected flow, and that repair area would be needed for existing house along with repair permit fee of \$25.
- 7/20/98 - percolation testing for the barn was seemingly successful; suitable soil conditions were reported and 300' separation was noted to nearest stream. The testing sanitarian (km) called from the field to report that the applicant was refusing to allow testing at the house, I told her let it go for now, we would deal with it thru administrative process.  
(neither had the requested repair permit fee been paid)
- 7/21/98 - a test response letter was mailed, requesting submittal of a review plan within 60 days and noting that requested testing for the house had not been performed.
- 4/1/99 - (approx) - test plan submitted.
- 4/10/99 - (approx) - cursory plan review shows another stream 150' from the perc'd location and less than 2' difference in elevation; also the use /flow projection for the barn and the septic area for the house remained unaddressed. Review comments/questions telephoned to engineer: he said he'd check into it and reply.

4/15/99 - follow-up calls placed to engineer and then to Gray (neither were available) since completion of review was now very time-critical if wetseason testing was to be conducted this year.

4/16/99 - Susan Gray called back. I advised her of the issues. She strenuously objected and wanted to challenge detail, including the existence of the stream. She wanted me to come out to the field and show her the non-existent stream. I replied that I was reacting to the stream as shown in her surveyors exhibit and suggested to her that the issue was best considered in the office. I suggested she schedule a meeting at the earliest opportunity since wet season testing was at stake.

\*\*\*\*\*

Then she asked me about some detail in someone's letter referencing inclusion of Cattail Villa's "shared" (sic) watersupply in the County Master Water and Sewer Plan. I asked her to fax me the letter and a question so I could make a proper review. She said never mind, it would come to my attention thru a letter she was writing to MDE.

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4/21/99 TELEPHONE CONVERSATION w/ENGINEER - CARRY YEAGER

- STREAM "DESIGNATION" IS AN OVERSTATEMENT - HE WILL AMEND EXHIBIT TO INDICATE WETLAND, NOT STREAM
- WILL AMEND SEATTLE TO 465' CONTOUR OR ABOVE TO BETTER JUSTIFY NON-WET SEASON DETERMINATION. OK TO EXPAND BAGA LATERALLY AS NEEDED,
- WILL DECLARE A SPECIFIC PURPOSE FOR THE PUMP THAT CAN TRANSLATE TO A FLOW COMPATIBLE WITH THE LOADING CAPACITY OF A  $\leq 10,000$  SQFT S.D.A.
- WILL PROPOSE A 10,000 SDA FOR THE HOUSE, THAT WILL INCLUDE THE EXISTING SYSTEM ~~THAT~~ AND SOME ADDITIONAL AREA THAT CAN BE JUSTIFIED BY EXISTING TESTS OR ADDITIONAL TESTS...

(CW)

PATH: GARY PENC PC

April 1, 1999

**MEMORANDUM**

**TO** Yeager Enterprises  
2640 Thompson Drive  
Marriottsville, Maryland 21104

**FROM:** Amy Mc Millen, R.S.  
Water & Sewerage Program

**RE:** Percolation Certification Plan  
Susan Grey Property - 6501 Paper Place

Review of the above referenced plan indicates that ~~there was not sufficient~~  
~~percolation testing conducted for this office to certify that the existing on-site sewage disposal~~  
and water supply systems are capable of handling the existing or future demands of the existing  
dwelling as required by COMAR 26.04.02.02.D(4).

*in future  
adding some sewage area has  
not been  
shown*

Please contact this office in order to schedule a meeting to resolve the above concerns.

If there are any questions regarding these comments, I may be contacted at the address below or by calling (410)313-2640.

cc: Todd & Susan Grey  
File

*Grey*



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## HOWARD COUNTY HEALTH DEPARTMENT

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*Joyce M. Boyd, M.D., County Health Officer*

September 1, 1998

Todd & Susan Gray  
6510 Paper Place  
Highland, Maryland 20777

RE: Percolation Test Results  
Application # 510218  
Proposed Use: Septic Easement for Barn  
Gray Property  
6510 Paper Place

Dear Mr. and Mrs. Gray:

Percolation testing conducted on July 20, 1998 on the above referenced property indicated satisfactory soil conditions in the vicinity of the barn. Requested percolation testing in the vicinity of the house, as requested in the letter sent on June 29, 1998, did not occur. Copies of the percolation test results are enclosed.

Further review is contingent upon submission by a registered engineer of a percolation certification plat showing actual locations and elevations of all excavated test holes and a suitable house and well site. The plat should also include the location of all existing well and septic systems on the property as well as the location of any other relevant features such as streams, swales, or existing structures. A note must be included certifying that all wells and septic systems within 100' of property boundaries have been shown.

This should be submitted within sixty (60) days to allow field verification if necessary. If you have any questions regarding this matter, please feel free to contact me at the address below or by calling (410) 313-2640.

Very truly yours,

Kimberly Maiste, Sanitarian  
Water and Sewerage Program

:km  
Enclosures  
cc: File

See enclosed original percolation test date letter mailed on June 29, 1998.



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## HOWARD COUNTY HEALTH DEPARTMENT

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*Joyce M. Boyd, M.D., County Health Officer*

June 29, 1998

Todd & Susan Gray  
6510 Paper Place  
Highland, Maryland 20777

RE: Percolation Test Date  
Application Number - A510218  
Purpose: Establish septic area for existing barn  
Property ID: Gray Property  
6510 Paper Place

Dear Mr. & Mrs. Gray,

A percolation test date for the above referenced property has been tentatively reserved for 10:00 a.m., Tuesday, July 21, 1998.

At this time, it is our understanding that the above referenced proposal is for a two bathroom addition to the existing barn. It has been brought to our attention that in the future, you may expand the barn to include an in-law apartment or commercial riding arena. During percolation testing, this office shall attempt to establish sufficient septic area for both of these potential uses. However, without knowing the specific use and size of the proposed commercial facility, the establishment of sufficient area for this future use can not be guaranteed. It is recommended that a minimum of 10,000 square feet of septic reserve area be established. This area should be sufficient to serve at least an in-law apartment.

In addition, it shall be necessary to establish sufficient septic repair area to serve the existing house. Please submit a check in the amount of \$25.00 upon receipt of this letter for this testing. Failure to submit this fee may result in the reassignment of your test date.

You shall be responsible for having a contractor on site to excavate test holes at the corners of the proposed percolation area.

In the event of uncertain weather (i.e., precipitation or extremes of temperature) on the test date, please contact this office prior to 9:00 a.m. to determine whether or not percolation testing can be performed on the above reserved date. If it is not feasible to perform the test, a new test date shall be assigned.

Please call this office between 8:00 a.m. and 5:00 p.m., Monday through Friday, to confirm your acceptance of this percolation test date.

Thank you in advance for your cooperation in this matter.

Very truly yours, ..

*Amy Mc Millen*  
Amy Mc Millen, R.S.  
Water & Sewerage Program

ALM  
cc: file