



APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____

AVP 522497

AGENCY REVIEW: _____

DATE 5/26/2005

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 5 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) PAUL F. STRAIN

DAYTIME PHONE _____ CELL _____ FAX _____

MAILING ADDRESS 6680 GUILFORD RD. CLARKSVILLE MD 21029
STREET CITY/TOWN STATE ZIP

APPLICANT KEVIN J. MCKENNA - ARCHITECT

DAYTIME PHONE 410-381-5817 CELL 410-707-3122 FAX 410-381-0929

MAILING ADDRESS POX 722 COLUMBIA MD 21045
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION
SUBDIVISION/PROPERTY NAME FOX PAUSE - SECT. 2 LOT NO. 10

PROPERTY ADDRESS 6680 GUILFORD RD CLARKSVILLE
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 35 GRID 19 PARCEL(S) 360 PROPOSED LOT SIZE _____

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.

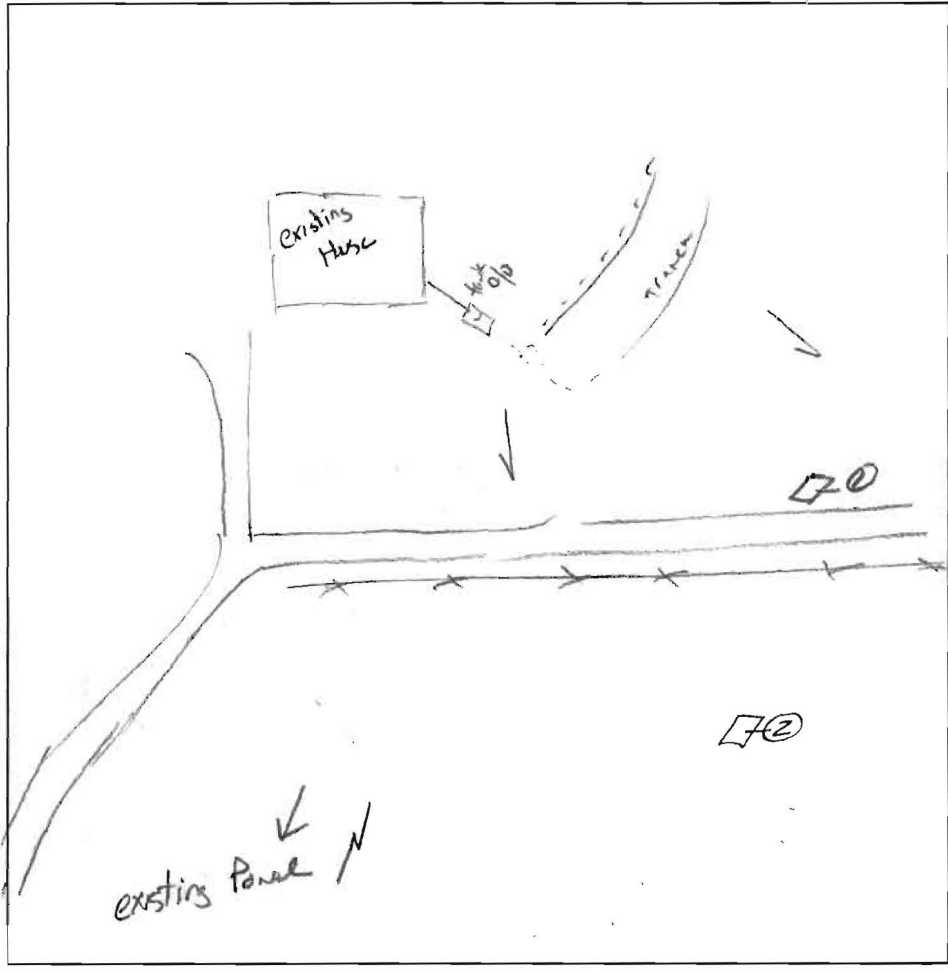
TEST RESULTS WILL BE MAILED TO APPLICANT. Kevin J. McKenna AGENT FOR OWNER
SIGNATURE OF APPLICANT

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

AP

Black-till
 Red/Orange
 H2A0
 SCL
 5 1/2'
 Orange/Brown
 SCL
 7'
 Yellow/Brown
 SCL w/
 trace
 Rock
 12 1/2'

Black
 Orange/Brown
 SCL w/
 trace
 Rock
 4 1/2'
 Yellow/Brown
 Dark
 SCL w/
 trace
 Rock
 5 1/2'
 Yellow/Brown
 SCL w/
 trace
 Rock
 13'



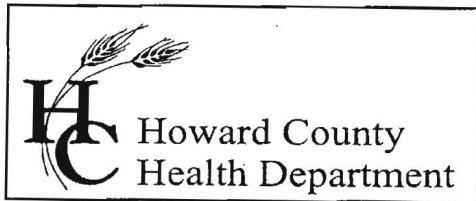
DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2nd INCH	P/F/H
6/2/66	1	7' 12 1/2'	9:35	9:43	9:52	9 min	P
	2	13'	- Visual	- OK			P

REMARKS - Soil ok - found area for future repair.

SANITARIAN KJR BACKHOE Sam OTHERS None

TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____

TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE S/W _____



7178 Columbia Gateway Drive, Columbia, MD 21046

(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

June 3, 2005

Mr. Strain
6680 Guilford Road
Clarksville, MD 21029

Re: Confirm Septic easement
6680 Guilford Road

To Whom It May Concern:

The Howard County Health Department found satisfactory soils to establish replacement sewage disposal area on June 2, 2005 on the referenced property. A licensed well driller must abandon the existing well and a new well drilled prior to building permit signature.

Sincerely,

Kevin J. Bell
Water and Septic Program

Cc: Kevin McKenna

FIVE COPY



APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____ @P 5 2353

AGENCY REVIEW: _____ DATE 10/26/05

05-385202

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

EXISTING LOT
NEW SECONDARY SYSTEM FOR NEW OUTBUILDING

IS THE PROPERTY WITHIN 2500' OF ANY RESERVOIR?

- YES
- NO

THE TYPE OF STRUCTURE IS:

- RESIDENTIAL WITH _____ 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) PAUL F. STRAIN

DAYTIME PHONE 410-381-5817 CELL _____ FAX _____

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

PROPERTY LOCATION
SUBDIVISION/PROPERTY NAME _____ LOT NO. 10

PROPERTY ADDRESS 6680 GUILFORD RD. CLARKSVILLE
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 35 GRID 19 PARCEL(S) 6665 PROPOSED LOT SIZE 24 ACRES

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. Kevin McKenna AGENT
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

A/P _____

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2nd INCH	P/F/H

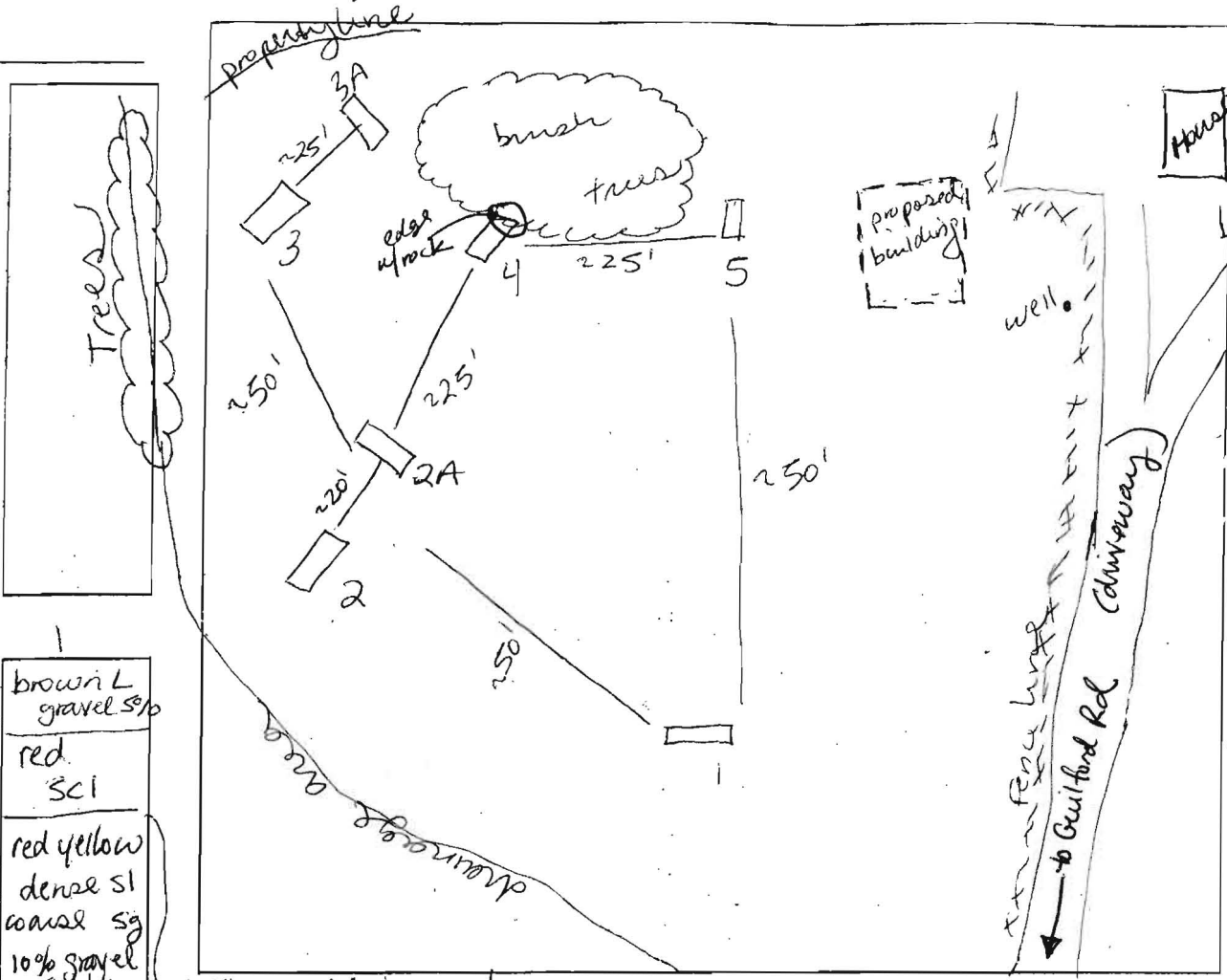
REMARKS _____

SANITARIAN _____ BACKHOE _____ OTHERS _____

TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____

TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

V/P



1
8-9" brown L gravel s/s
18" red sil
red yellow dense sil coarse sg 10% gravel cobbles
6-7" pale brown/yellow sil sg coarse s/s gravel

2
1' brown L
red sil m
yellow sil
5-6' red yellow white sil micaceous
8' weak red sil 10% gravel cobbles
12'

2A
brown L
red yellow sil
red yellow dense sil coarse 5-10% gravel-cobbles loose quartz frags throughout
red yellow sil
3
brown L
red yellow sil
yellow sil 20% rock gravels cobbles
7' (7B)

3A
brown L
red yellow sil
red yellow sil 15-20% gravels small quartz frags
13'

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2nd INCH	P/F/H
11/2/05	1	5' / 13'	10:57	11:00	11:03	3	P
	2	12'		visual			P
	2A	7' / 12'	2:11	2:26	2:48	22	P
	3	7'		rock	HB	visual	F
	3A	7 5/8" / 13'	3:29 ⁵⁶	3:40	4:01	21	P
	4	6 5/8" / 12'	4:13	4:16	4:22	6	P
	5	7" / 13'	1:28 ⁴⁰	1:34	1:52	8	P

REMARKS: Holes #2A can be extended toward #2 no more than 25'. Holes were established in field and staked.

SANITARIAN: SF BACKHOE: Willy w/ R. Carpenter Construction OTHERS: K. McKenna

TEST HOLES USED IN SDA: _____ AVG. PERC TIME: 12 SQ. FT/BR: 210

TRENCH WIDTH: 3 INLET DEPTH: 3 MAX. BOT DEPTH: 8 EFFECTIVE S/W: _____ only about 1/2' below

A/P

[Empty rectangular box]

4

brown L

red
Scl

uphill side had hard rock along it.

red yellow
SI
coarse

30% gravel coarse chert throughout

[Large empty rectangular box for notes or diagrams]

[Empty rectangular box]

[Empty rectangular box]

[Empty rectangular box]

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2nd INCH	P/F/H
	4						
	5						

5'6"

2'

5

brown L

red
Scl
micaceous

red yellow
SI
coarse sq
micaceous

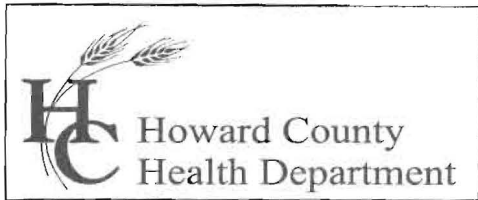
30% rock gravel (less)

REMARKS _____

SANITARIAN _____ BACKHOE _____ OTHERS _____

TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____

TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE S/W _____



Bureau of Environmental Health
7178 Columbia Gateway Drive, Columbia, MD 21046
(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

January 19, 2006

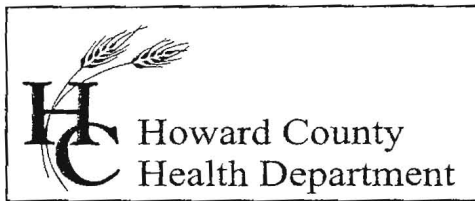
TO: Kevin McKenna

RE: Perc certification for 6680 Guildford Rd

FROM: Sara Fegel, Well and Septic Program *Sara Fegel*

The information below is needed on the perc certification plan. Notes 1-4 are to be included as general notes.

1. This area ___ designates a 7141.3 square foot proposed private sewage disposal area. The sewage area does not meet the minimum requirements of a 10,000 square foot area set by the Maryland Department of the Environment, therefore use restrictions will be applied to the structure known as the "Ancillary Building for Home Occupation" or "Art Studio." Improvements of any nature in sewage area are restricted. This disposal area shall become null and void upon connection.....the private disposal area.
2. The Art Studio is not approved by the Howard County Health Department for use as occupancy; i.e. apartment, studio apartment, in-law suite, or other similar description. Use is restricted to art related activities and/or those related to home occupation.
3. Existing well to be properly abandoned and new well drilled prior to building permit approval
4. Include the Maryland minimum lot width statement
5. Septic to be upgraded for existing house and installed for Art Studio prior to building permit approval. A 1000 - 1250 gallon two-compartmented septic tank and a 1000-1250 pump tank is required for the Art Studio. A new 1500, two-compartmented gallon septic tank or a 500 gallon, two-compartmented additional tank is required for the existing house.
6. This plan can be submitted as a **Perc Certification Plat/Building Site Plan**, if you choose to do this, please title the plan as such.



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TDD (410) 313-2323 Toll Free 1-866-313-6300
website: www.hchealth.org

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

November 3, 2005

Paul Strain
6680 Guilford Rd.
Clarksville, Maryland 21029

RE: PERCOLATION TEST RESULTS – A523553
Tax Map 35, Parcel 6665

Dear Mr. Strain:

Percolation testing conducted November 2, 2005 on the referenced property indicated satisfactory soil conditions. 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) Proposed outbuilding, 1500 ft² well box, and septic system
- 3) Locations of any other relevant features such as streams, swales, or existing structures
- 4) A note must be included certifying that all existing wells and septic systems within 100 feet of property boundaries have been shown
- 5) A note indicating that depicted topography reflects field-matched information
- 6) A note indicating well to be drilled before building permit approval
- 7) A health officer signature block stating “approved for private water and private sewer systems”
- 7) A MDE sewage disposal area statement is required
- 8) MDE minimum lot width statement

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) 313-1771.

Sincerely,

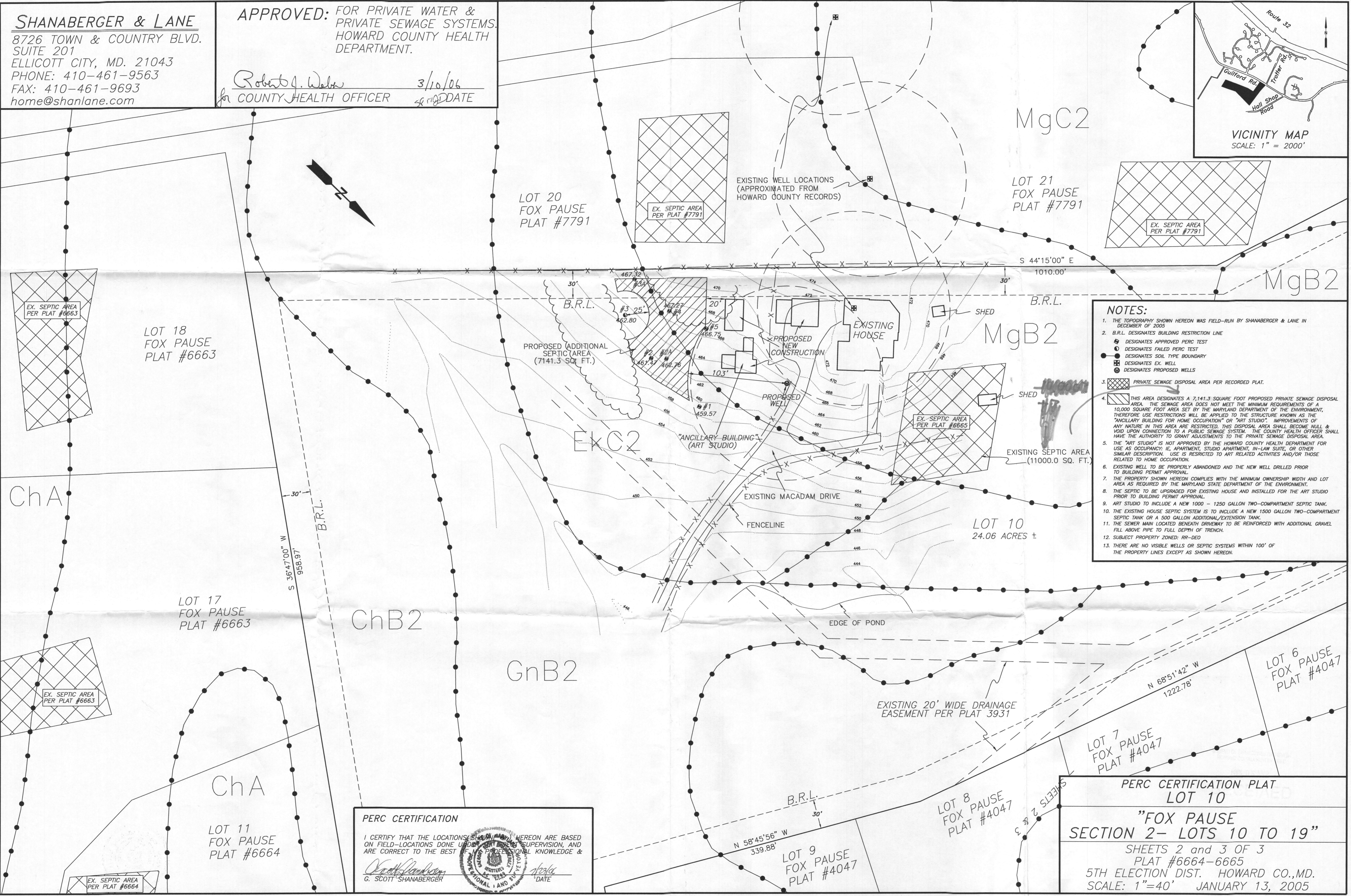
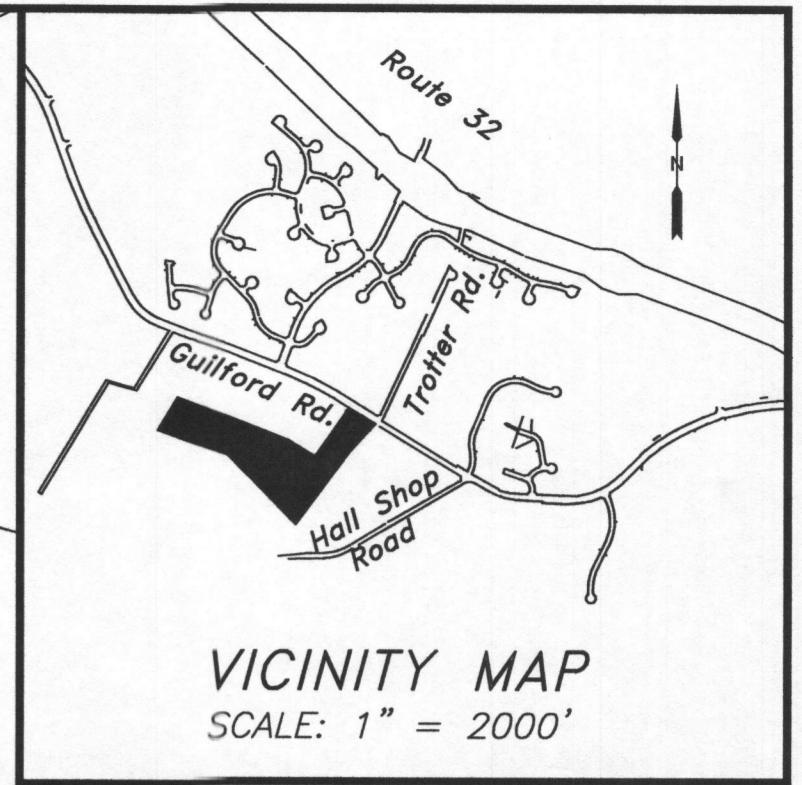
Sara Fegel
Well and Septic Program
Development Coordination Section

SF
Enclosures
Cc: Kevin McKenna
File

SHANABERGER & LANE
 8726 TOWN & COUNTRY BLVD.
 SUITE 201
 ELLICOTT CITY, MD. 21043
 PHONE: 410-461-9563
 FAX: 410-461-9693
 home@shanlane.com

APPROVED: FOR PRIVATE WATER &
 PRIVATE SEWAGE SYSTEMS.
 HOWARD COUNTY HEALTH
 DEPARTMENT.

Robert J. Weber 3/10/06
 COUNTY HEALTH OFFICER *DATE*



- NOTES:**
1. THE TOPOGRAPHY SHOWN HEREON WAS FIELD-RUN BY SHANABERGER & LANE IN DECEMBER OF 2005
 2. B.R.L. DESIGNATES BUILDING RESTRICTION LINE
 - DESIGNATES APPROVED PERC TEST
 - DESIGNATES FAILED PERC TEST
 - DESIGNATES SOIL TYPE BOUNDARY
 - ⊗ DESIGNATES EX. WELL
 - ⊙ DESIGNATES PROPOSED WELLS
 3. [Cross-hatched symbol] PRIVATE SEWAGE DISPOSAL AREA PER RECORDED PLAT.
 4. [Hatched symbol] THIS AREA DESIGNATES A 7,141.3 SQUARE FOOT PROPOSED PRIVATE SEWAGE DISPOSAL AREA. THE SEWAGE AREA DOES NOT MEET THE MINIMUM REQUIREMENTS OF A 10,000 SQUARE FOOT AREA SET BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT. THEREFORE USE RESTRICTIONS WILL BE APPLIED TO THE STRUCTURE KNOWN AS THE "ANCILLARY BUILDING FOR HOME OCCUPATION" OR "ART STUDIO". IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED. THIS DISPOSAL AREA SHALL BECOME NULL & VOID UPON CONNECTION TO A PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE DISPOSAL AREA.
 5. THE "ART STUDIO" IS NOT APPROVED BY THE HOWARD COUNTY HEALTH DEPARTMENT FOR USE AS OCCUPANCY, I.E. APARTMENT, STUDIO APARTMENT, IN-LAW SUITE, OR OTHER SIMILAR DESCRIPTION. USE IS RESTRICTED TO ART RELATED ACTIVITIES AND/OR THOSE RELATED TO HOME OCCUPATION.
 6. EXISTING WELL TO BE PROPERLY ABANDONED AND THE NEW WELL DRILLED PRIOR TO BUILDING PERMIT APPROVAL.
 7. THE PROPERTY SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
 8. THE SEPTIC TO BE UPGRADED FOR EXISTING HOUSE AND INSTALLED FOR THE ART STUDIO PRIOR TO BUILDING PERMIT APPROVAL.
 9. ART STUDIO TO INCLUDE A NEW 1000 - 1250 GALLON TWO-COMPARTMENT SEPTIC TANK.
 10. THE EXISTING HOUSE SEPTIC SYSTEM IS TO INCLUDE A NEW 1500 GALLON TWO-COMPARTMENT SEPTIC TANK OR A 500 GALLON ADDITIONAL/EXTENSION TANK.
 11. THE SEWER MAIN LOCATED BENEATH DRIVEWAY TO BE REINFORCED WITH ADDITIONAL GRAVEL FILL ABOVE PIPE TO FULL DEPTH OF TRENCH.
 12. SUBJECT PROPERTY ZONED: RR-DEO
 13. THERE ARE NO VISIBLE WELLS OR SEPTIC SYSTEMS WITHIN 100' OF THE PROPERTY LINES EXCEPT AS SHOWN HEREON.

PERC CERTIFICATION
 I CERTIFY THAT THE LOCATIONS SHOWN HEREON ARE BASED ON FIELD-LOCATIONS DONE UNDER MY DIRECT SUPERVISION, AND ARE CORRECT TO THE BEST OF MY PROFESSIONAL KNOWLEDGE & BELIEF.
G. Scott Shanaberger
 G. SCOTT SHANABERGER
 PROFESSIONAL LAND SURVEYOR AND CIVIL ENGINEER
 DATE 3/10/06

PERC CERTIFICATION PLAT
LOT 10
"FOX PAUSE
SECTION 2- LOTS 10 TO 19"
 SHEETS 2 and 3 OF 3
 PLAT #6664-6665
 5TH ELECTION DIST. HOWARD CO.,MD.
 SCALE: 1"=40' JANUARY 13, 2005