



APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) 3/11/04 TEST TIME 10:00 AP 520088

AGENCY REVIEW: _____ DATE _____

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 _____ 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) Frank Lewis

DAYTIME PHONE (410) 549-3822 CELL _____ FAX _____

MAILING ADDRESS 2461 Mullinix Mill Road
STREET CITY/TOWN STATE ZIP

APPLICANT _____

DAYTIME PHONE _____ CELL _____ FAX _____

MAILING ADDRESS _____
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION
SUBDIVISION/PROPERTY NAME _____ LOT NO. _____

PROPERTY ADDRESS _____
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) _____ GRID _____ PARCEL(S) _____ 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. _____
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



APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____

AP 529576

AGENCY REVIEW: _____

DATE 9/22/08

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

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- YES
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- 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) Cliff Cleverger

DAYTIME PHONE _____ CELL _____ FAX _____

MAILING ADDRESS 7717 Kirklee Court Laurel MD 20707
STREET CITY/TOWN STATE ZIP

APPLICANT Hatfields Equipment

DAYTIME PHONE 301 854-6172 CELL 410-984-0047 FAX 301-490-5794

MAILING ADDRESS PO Box 519 Annapolis Junction MD 20701
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION
SUBDIVISION/PROPERTY NAME _____ LOT NO. _____

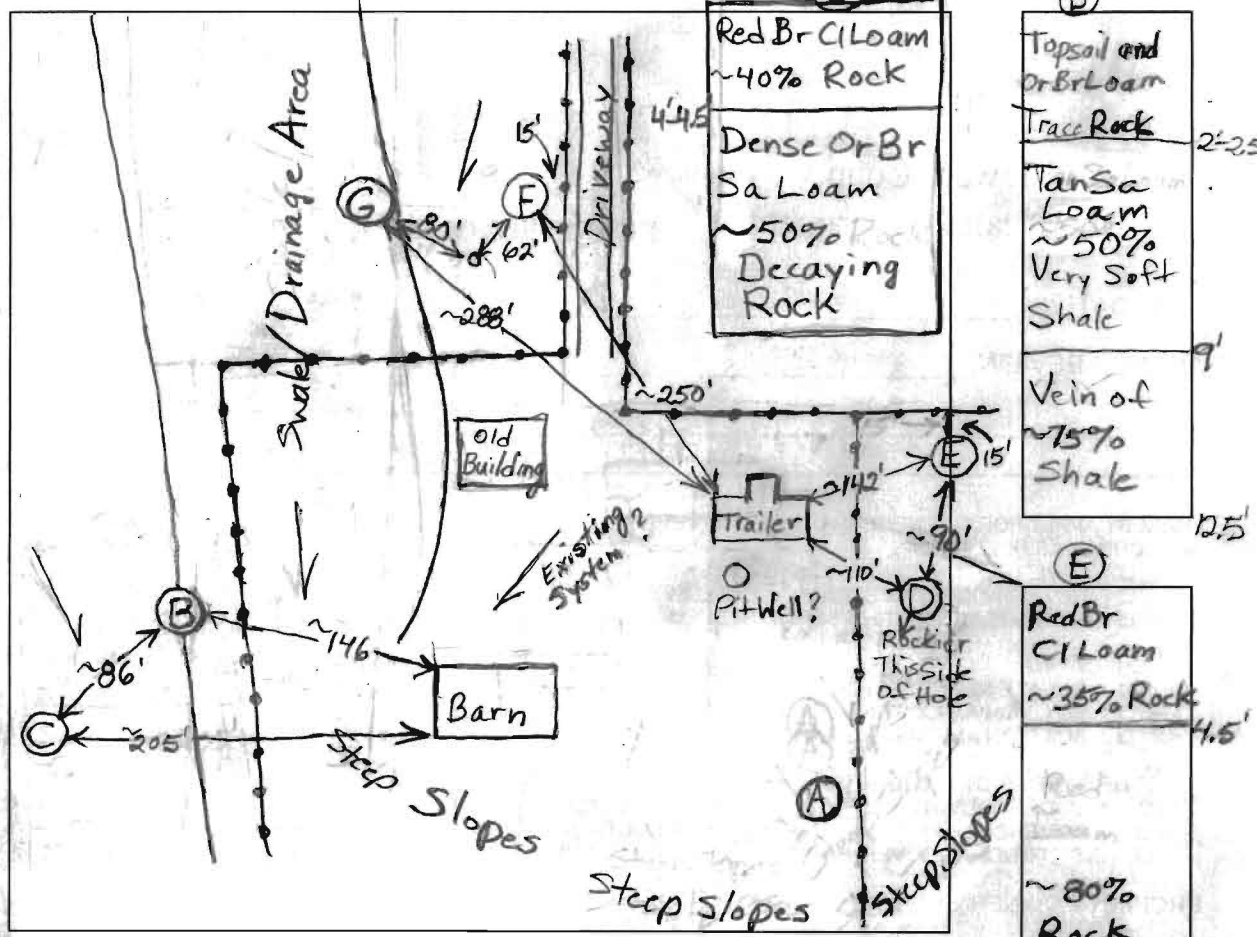
PROPERTY ADDRESS 2461 Mullinix Mill Rd
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) _____ GRID _____ PARCEL(S) _____ PROPOSED LOT SIZE 100 acres

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SIGNATURE OF APPLICANT

HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM
7178 COLUMBIA GATEWAY DRIVE COLUMBIA, MARYLAND 21046 (410) 313-1771 FAX (410) 313-2648
TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH



DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2nd INCH	P/F/H
3/11/04	A	6.5'					(E)
	B	6.5'/13' V	11:09:15	11:12	11:12	11:16	4
		7.5'	11:20:50	11:23	11:23	11:25/45	~3
	C	12' V					(F)
	D	3.5'/12.5' V	12:39:45	12:40:50		12:42:40	~2
	E	7' V					(F)
	F	5.5'/11' V	2:07	Pulled - Estimate 40 minutes For 2nd Inch			Slow
	G	4.5'/13' V	1:51:30	1:59	1:59	2:11	12
	F	6'	2:28:45	2:36:50	2:30:50	2:34:20	3 1/2 Marg.

REMARKS G 6.5' 2:51 2:54:40 3:01 6 1/2 Marg.
~~All Holes Marginal or Fail - Hole B looked best~~
 SANITARIAN B. Baker BACKHOE Fogles OTHERS _____
 TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SAW _____

Water Poured In Bottom of Holes B, F+G
 Rates Were too Fast in F and G, Questionable in B

A/P (A)
 Red Br Cl Loam ~40% Rock (4.5')
 ~90% Rock
 Hard Bottom (6.5')

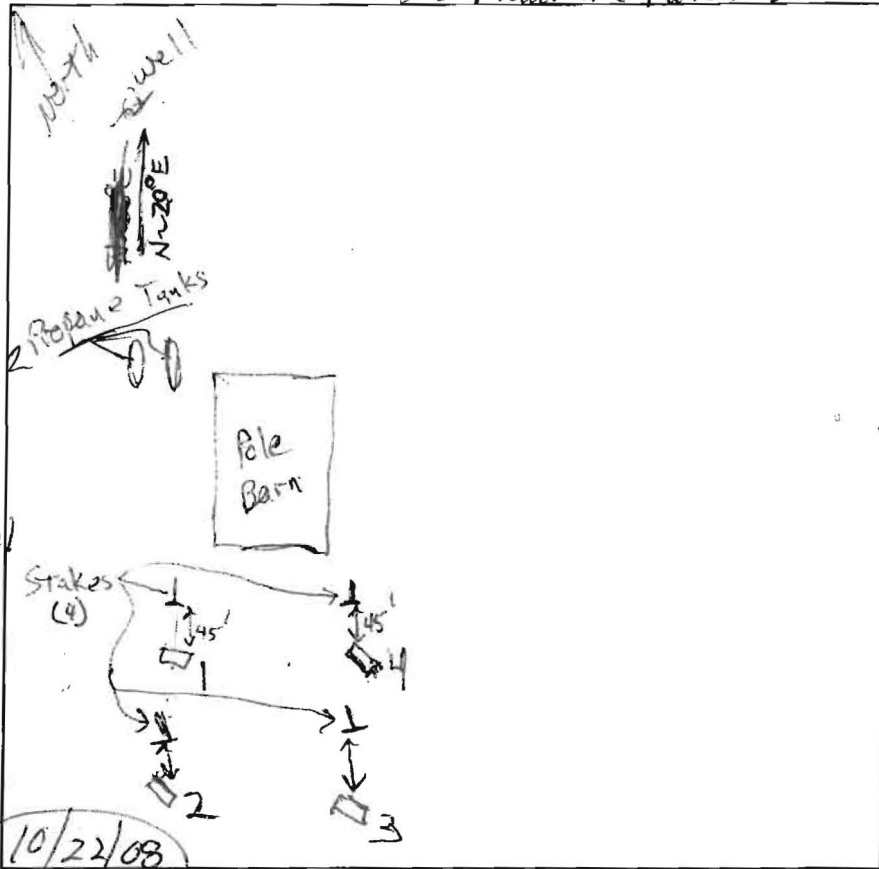
(B)
 Red Br Cl Loam ~50% Rock (6')
 Or Br Sa Loam ~50% Shale Fragments (11')
 50-60% Shale (13')

(C)
 Red Br Cl Loam ~40% Rock (4.5'-7')
 Red Shale (12')
 70-80% Fragments

2461 Mullinix Mill Rd.

AK 529576

(A)
 0.5' dk. brn loam
 2.5' brn grcl
 30%
 4.0-4.5' brn vgrl
 40-45% gravel
 few flags
 5.5' brn vgrl
 55-60%
 flags & gravel
 (grey shale)
 Stopped



(1)
 0.5' dk. brn grl
 3.0' brn vgrcl
 40-45%
 brn vfl
 45%±
 5.5' brn xfl
 65-70%
 Stopped

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
10/22/08	#1	#4		Rock content > 50%			F
		5.5'		Visual Fail			
10/22/08	#2	#3		Rock content > 50%			F
		6'		Visual Fail			

(3)
 0.5' dk brn grl
 4' brn grcl
 30%
 4' brn vchaf
 loam
 45-50% rock
 6' xfl loam
 65-70%
 gravel
 shale

(2)
 0.5' dk brn grl
 4' brn grcl
 6' brn vgrl
 brn vby xfl
 loam
 vertical shale
 section
 11.5' stopped
 > 60% rock

REMARKS Perc locations offset from stakes due to cutbank at foundation.

SANITARIAN RB/BB BACKHOE Jennie OTHERS

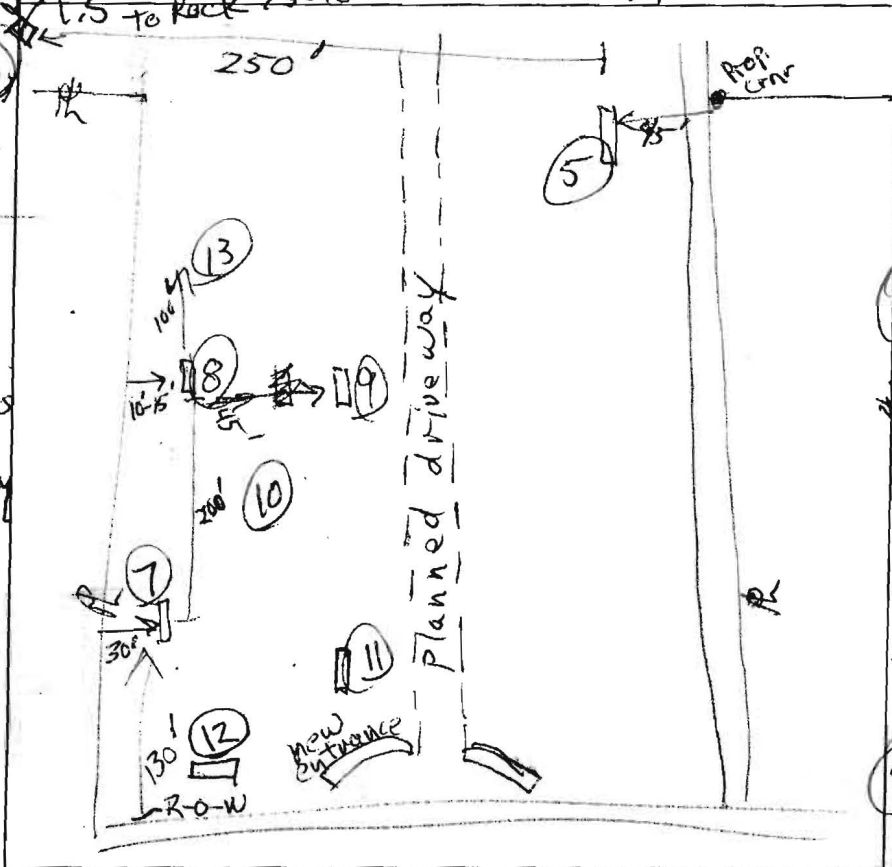
TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____

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

2461 Mullinix Mill Rd

529576 1.5' to Rock 750%

Profile #6
 0.5' dk brn loam
 3' brn cl
 red & tan fsl
 Saprolite
 few mica
 few channels
 12' red & H grey sl
 Saprolite
 14'



7 & 11
 0.5' dk brn loam
 2' brn cl
 brn fsl dense
 ml & depletions
 3.5' yel-red fsl
 dense
 4' vertical yel-red fsl, tan
 & pale yel fsl
 12' grey sl
 Saprolite
 13' dk brn loam
 0.5' brn cl
 2.5' brn scl
 to heavy fsl
 dense
 4' red, tan & yellow fsl
 Saprolite
 6' red ch sl
 12' red vch sl
 13.5' 40%

9
 1' dk brn sl
 0.5' brn scl
 2.5' red & brn fsl
 dense
 3.5' red, tan & yellow fsl
 9' red loam
 Saprolite
 2 m pl
 11' red vch loam
 Saprolite
 13.5'

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
10/22/08	5	4' / 2.5'	11:24	12:00	1/4 in	pulled	F
10/22/08	7	5.3' / 13'	11:57	12:03	12:28	25	P
10/22/08	8	5.8' / 14'	12:38	12:43	12:49	6	P
10/22/08	9	6' / 13.5'	1:11	1:15	1:21	6	P
10/22/08	10	6.5' / 14'	1:30	1:40	1:52	12	P
10/22/08	11	6' / 12'	1:57	1:59	2:02	3	P
10/22/08	12	7' / 13.5'	2:08	2:09	2:12	3	P
10/22/08	13	Visual Fail to rock					F

13
 clay loam
 textures to 5'
 vchannery loam
 at 6' to 7'
 and below
 rock
 increasing
 w/depth

10
 0.5' brn sl
 1' brn scl
 1' brn fsl
 cl & depletions
 2.7' yel-brn fsl
 dense
 4.5' red, tan & yellow fsl
 Saprolite
 7' red & yel-brn
 14' ch sl

REMARKS
 SANITARIAN RB / BB BACKHOE Bonnie OTHERS Kenny Hatfield, Israel
 TEST HOLES USED IN SDA 7, 8, 9, 10, 11, 12 AVG. PERC TIME SQ. FT/BR
 TRENCH WIDTH INLET DEPTH MAX. BOT DEPTH EFFECTIVE SW



Bureau of Environmental Health
7178 Columbia Gateway Drive, Columbia, MD 21046-2147
(410) 313-2640 Fax (410) 313-2648
TDD (410) 313-2323 Toll Free 1-866-313-6300
website: www.hchealth.org

Peter L. Beilenson, M.D., M.P.H., Health Officer

October 30, 2008

To: Clifton Clevenger, owner

From: Robert Bricker, RS, CPSS
Development Coordination Section
Well & Septic Program

RE: PERCOLATION TEST RESULTS, 2461 Mullinix Mill Road, Clevenger Farm, A529576

Percolation testing was conducted on the referenced property on October 22, 2008. All percolation tests conducted were standard tests, measuring rate of fall for a pre-wet period followed by measurement and recordation of the time required for the water level to drop 1 inch. Soils' conditions either satisfactory or unsatisfactory for onsite wastewater disposal were observed at the specified test locations. Subsequently, an area having soil properties suitable for a septic easement has been identified.

Four test holes (#1 thru #4) were dug near staked locations in the area south of the new pole barn. This area is considered unsuitable for wastewater disposal as the depth of potentially usable soils materials is only about 5.5 feet to 6 feet. Soils above the fractured rock materials are predominantly gravelly loam and clay loam textures which typically have very slow percolation rates.

Location #5 failed due to very slow permeability, and location #13 is similar to #2 and #3. Location #6 is very shallow (1.5 feet) to bedded rock, and the surrounding area is thereby considered unsuitable for any type of wastewater treatment.

An area of suitable soils is defined by locations #7 thru #12. This area has a moderate rate of permeability. The usable area is generally defined by regulated setbacks to the planned (new) driveway, the neighboring property (#2445 Mullinix Mill Rd.), and the Mullinix Mill Road right-of-way. It may extend into the subject property a maximum distance of about 250 feet from the Mullinix Mill Road right-of-way boundary.

At this time, there is not a recorded septic easement existing on the subject property. The purpose for conducting and platting these percolation tests is to establish a septic easement to serve new construction on the subject property. A Percolation Certification Plan is required. This plan has specific content requirement as well as location requirements for specific locations of structures and other improvements, existing wells, proposed replacement wells, and all septic system components.

In addition to the planned residence, a water delivery pipe is observed inside the 'old' barn. The interior design of the new 'pole barn' is such that plumbing facilities may easily be installed at that location. The Percolation Certification Plan must include a note or labels concerning the use of water inside either or both of these facilities.

Approval of the Percolation Certification Plan by the Health Officer is required prior to consideration of a Building Permit Application for construction of a residence. The site plan to be submitted with the Building Permit Application must include proposed locations for all septic tanks and/or pump tanks. Specific elevations for grades and pipe inverts are to be included on the Site Plan. The existing LP Tanks should be shown on the Site Plan as well.

Field data collected are shown on the Percolation Test Worksheet enclosed with this letter. Recommended Inlet and Trench Bottom depths, and Usable Sidewall all are based on observed soil properties and characteristics at respective test locations as well as the particular soils materials tested. When the Percolation Certification Plan is approved, the values for the drainfield parameters will be established and maintained in the Health Department file for the subject property. Also enclosed is a sketch of percolation test locations and property features which was sent to the consulting engineer via facsimile on October 24.

Additional field review of surface conditions may be conducted at any time during this process. If you have any questions regarding this evaluation or requirements for the Percolation Certification Plan or Site Plan, please contact me at the above address or by calling (410) 313-2691.

Respectfully,



Robert C. Bricker, Jr., CPSS, RS
Well and Septic Program
Development Coordination Section

Enclosures

Copy: VanMar Associates, Inc.
Hatfield's
File

SITE INSPECTION SHEET

A529576

OWNER: Clifton Cleavenger PHONE #: _____

ADDRESS: 2461 Mullinix Mill Rd. CONTRACTOR: Hatfields

WELL TAG #: _____

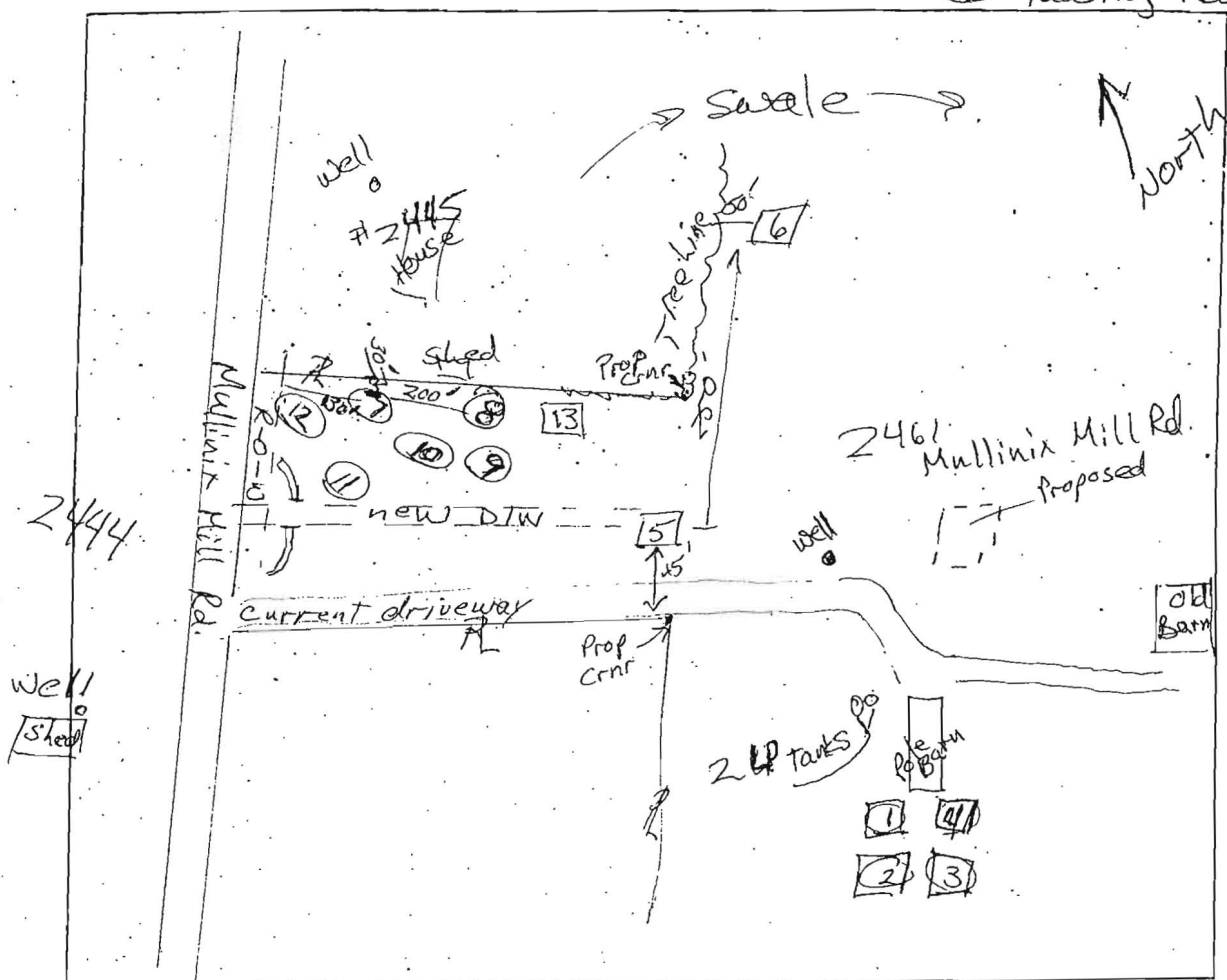
SUBDIVISION: _____ LOT: _____ COUNTY #: _____

PROPOSAL: Locations needed for Percolation Certification Plan.

Ex. well and barn are shown

LOCATION DIAGRAM

- Failed Test location
- Ⓜ Passing Test location



COMMENTS: Locate 13 new Perc Tests, the

Pole Barn, 2 new LP Tanks, and the well

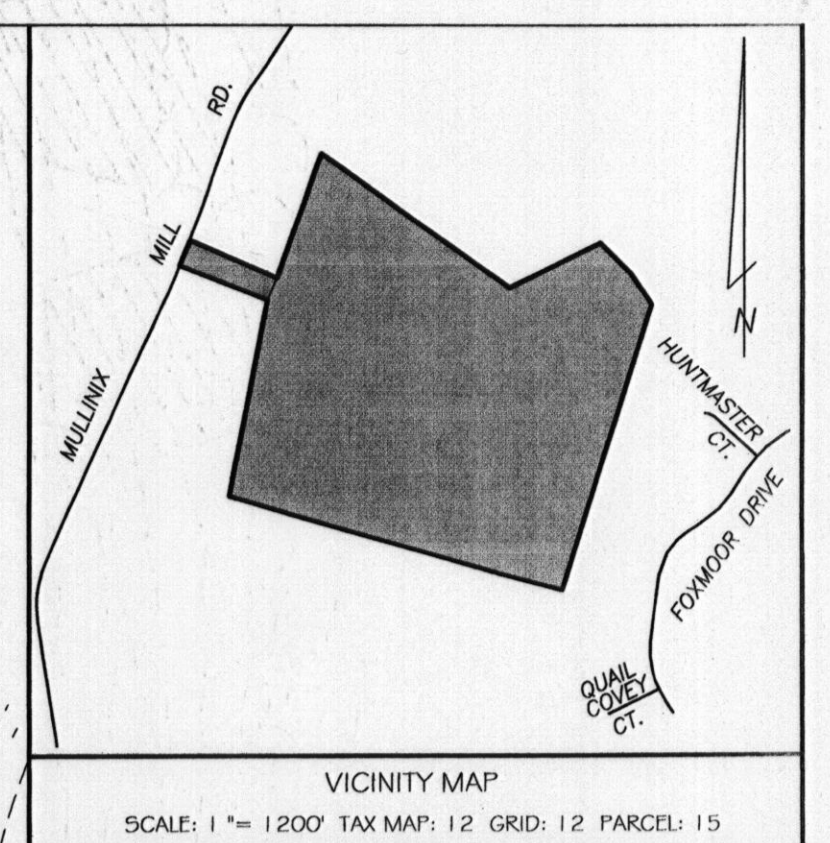
at #2445. Also, ~~if possible~~ show planned driveway

Robert Bricker,

location.

- PERCOLATION TEST SITE: ⊕
- PERCOLATION TEST SITE: ⊙
- PERCOLATION TEST SITE: ⊛
- RED HOLES TESTED 10/22/08
- EX. WELL: ⊕
- EX. HOUSE SITE: ⊗
- EX. WELL SITE: ⊙
- SLOPES: ▭

STATEMENT
 PLAN WAS PREPARED AS A REQUIREMENT
 A BUILDING PERMIT FOR A NEW DWELLING.



I CERTIFY THAT THE INFORMATION SHOWN HEREON IS
 BASED ON FIELD WORK PERFORMED BY ME OR
 UNDER MY DIRECT SUPERVISION AND IS CORRECT,
 TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Thomas L. Frazier, Jr. 11/10/08
 THOMAS L. FRAZIER, JR., PROF. L. S., M.D. REG. # 21097 DATE

DATE	REVISIONS
11/11/08	PER COMMENTS



OWNER:
 CLIFTON L. CLEVINGER
 7717 KIRKLE COURT
 LAUREL, MARYLAND 20707
 (240) 500-2979

PERCOLATION CERTIFICATION PLAN
CLEVINGER FARM
 LIBER 11322 AT FOLIO 370
 2461 MULLINIX MILL ROAD
 ELECTION DISTRICT No. 4
 HOWARD COUNTY, MARYLAND
 SCALE: 1" = 100' NOVEMBER, 2008

VANMAR ASSOCIATES, INC.
 Engineers Surveyors Planners
 310 South Main Street Mount Airy, Maryland 21771
 (301) 629-2890 (301) 831-5015 (410) 549-2751
 ©Copyright, Latest Date Shown

CLIFTON L. CLEVINGER
 L: 11322 F: 370
 4,525,481 SQ. FT.
 OR
 103.8908 AC. ±

APPROVED:
 PRIVATE WATER AND PRIVATE
 SEWERAGE SYSTEMS.
 HOWARD COUNTY HEALTH DEPARTMENT

Carl L. & Helene J. White 11/26/08
 HOWARD COUNTY HEALTH OFFICER DATE

PC 529576

FILE INQUIRY NOTES

DATE	RESULTS OF REVIEW FOR FILE
10/22/08	<p>* 2 LP Tanks are installed next to new pole barn (>100 ft. from well)</p> <p>* An area in southeast corner of pole barn is framed to be enclosed. An exhaust fan housing is installed in rafter over this area (approx 8' x 8'). A white PVC pipe ^(2 1/2 3" diameter) emerges from the floor inside inside the planned enclosure. A black, plastic pipe protruded from the white PVC today. A pressure gauge affixed to the black pipe indicated 45 p.s.i. During a previous site visit, a 6-inch diameter cleanout was observed 10 feet from the <u>outside</u> wall of the enclosure. That clean-out was not visible today.</p> <p>* During last site visit, an inquiry of the electrical contractor as to what they are installing at an old barn prompted the response that they (Bernard Bros.) were installing electricity and plumbing. Today a black plastic pipe was observed to emerge from the same hole in the stone foundation as the electrical wires emerged from. This is at the southwest corner of the stone foundation. Outside the stone foundation, at the southeast corner, a 'bib' has been installed.</p>

10/22/08 Robert Bucher

witness also by Brian Baker

FILE INQUIRY NOTES

DATE	RESULTS OF REVIEW FOR FILE
9/23/08	<p>I Conducted a site inspection at 2461 Mullinix Mill Rd. The purpose of the inspection was to preview site conditions as a proposed percolation test had been assigned to me. Four frame sheds identified on the plan as 'existing' (Ex.) had been removed. A 4-story wood-frame structure on concrete pad appeared to be in the roofing phase of construction. This structure was not shown on the Per Plan.</p> <p>A contractor was digging a trench that forked, each branch leading to the respective front and back (south) foundation corners of the existing frame barn. I inquired of the reason for the trenches, and was told by the contractor (Bernard Bros., 'Junior') that they were installing electric and water.</p>
10/3	<p>Checked with Bruce Goyt, DILP, concerning Building construction and recent Electric Permits</p>

FILE INQUIRY FORM

Property Address: _____

8/18/04 Had several discussions with Ken Le Treave, Frank Lewis can't decide where he wants to put the trailer. Where it is shown on the B.P. plan would require a pumped septic system, which they don't want. Also discussed the pit well. It will have to be brought up to current standards - extend casing, pitless adapter, 2-piece well cap, etc. No history on well. Can well be grouted on inside of casing? Well supposed to be used for potable supply only as long as Mr. Lewis is alive. He has been drinking from well for years. (BB)

9/24/04 Called Ken Le Treave back. Trailer to be replaced by modular home on foundation. Zoning doesn't allow trailers per Ken Le Treave. Modular home supposed to be moved to St. Pauls Church as living quarters for priests after Frank Lewis dies. Will need letter from Mr. Mullinix or some kind of guarantee that modular home will be moved and well will be sealed. Well still must be brought up to current standards - if possible. (BB)

3/8/05 Ken Le Treave is going to have new well drilled by Fogles. (BB)

3/30/05 Found out that Ken Le Treave filled old pit well in with dirt before Fogles could properly seal it. (BB)