

APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____ @P 533266

AGENCY REVIEW: _____ DATE 6-1-10

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 UNKNOWN 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) Richard C. Hudson

DAYTIME PHONE _____ CELL _____ FAX _____

MAILING ADDRESS 13801 Forsythe Rd. Sikesville MD 21081
STREET CITY/TOWN STATE ZIP

APPLICANT NORMAN LENNON Future Builders & Const. Co., Inc.

DAYTIME PHONE 443-742-6652 CELL 443-742-6652 FAX 443 546-3013

MAILING ADDRESS 12020 Windsor Moss Ellicott City MD 21042
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION
SUBDIVISION/PROPERTY NAME Hudson Property LOT NO. _____

PROPERTY ADDRESS 14285 Old Frederick Rd. Cooksville, MD 21023
7142751 STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 8 GRID 17 PARCEL(S) 700 PROPOSED LOT SIZE 9,075 sq

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.

Norman Lennon
SIGNATURE OF APPLICANT

HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM
 1718 COLUMBIA GATEWAY DRIVE COLUMBIA, MARYLAND 21046 (410) 313-2640 FAX (410) 313-2648
 TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH

AP

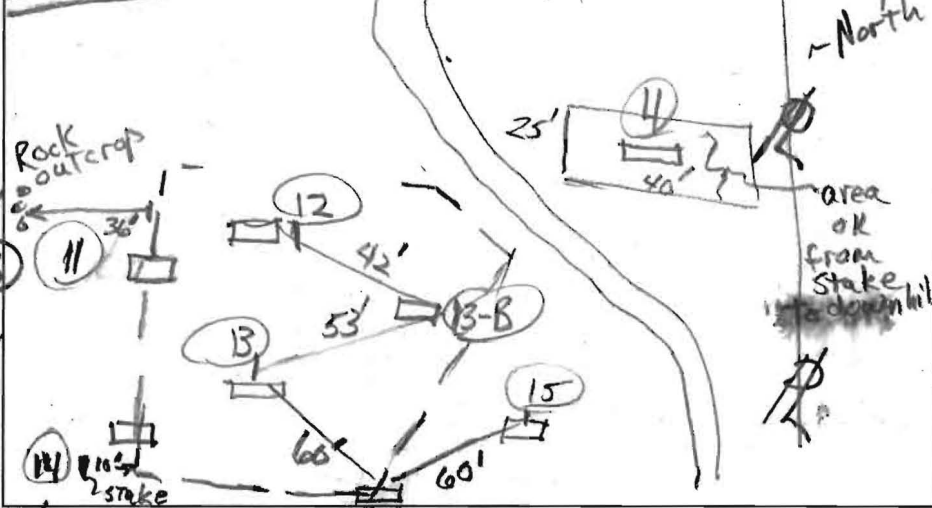
12
dk brn sl 0.8
brn scl 2msbk to 1msbk 2.5
yel-red sl heavy (0.6 to 0.8) 3.8
yel-red sl few mica 5
common fine mica (H) red-yel sl 0.8
few stones 9
lt. grey brn flsl saprolite 12

13
1 brn scl 2msbk
1 stoney layer
2 brn scl 3msbk 2
yel-red sl common mica dense, (0.4) 3.0
yel-brn flsl few channers common fine mica 6.8
H. brn-grey 10.5
yel-brn sl few channers 10.5
lt. brn grey stsl 12.5

13-C
grey brn sl
brn scl 2msbk
dense sl
yel-red & yel-brn sl few channers
lt. brn grey flsl 25%
brn scl 40%
lt. brn vstsl 60% rock 9.1

15
1 yel-red sl 3
3 vstsl w/ boulders 3.5
50% rock

4B
brn scl
brn scl 2.3'
yel-red sl dense 4.3'
brn stsl 5.5'
xfls
black coatings 9'



14 offset 10'
6.8 brn scl 2msbk few stones
1.6 yel-red stsl dense, heavy
3.3 yel-red, dk brn & yel-brn sl many mica
6.5 lt. grey-brn sl, few stones
7.3 lt. brn grey sl 20% wk. cen. increasing 28'
8.8

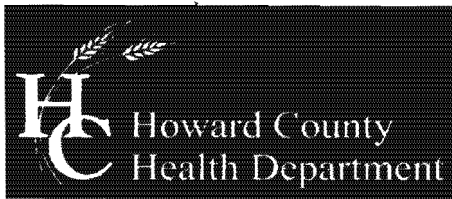
11
0.5 dk. grey brn sl
1.3 brn scl 2msbk
2.5 yel-red sl dense, heavy
yel-red sl few mica few stones
5.5 lt. brn grey stsl 25%
7 lt. brn grey vstsl 40%
9'

4
1.6 brn scl 2msbk 1.6
brn scl 7msbk 2.6
2.6 yel-red sl dense, heavy
5.5 grey-brn yel-brn & yel-red sl
10.3 lt. grey brn flsl 25%

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
7/28/10	12	5.5' / 12'	10:44	10:46	10:49	3	P
7/28/10	13	5.7' / 12.5'	10:56	10:59	11:03	4	P
7/28/10	13-B	12.5'	Visual, Sidewall 3' to 8'		1.29 m / 4.2'		P
7/28/10	13-C	3.8' / 4.5'	11:39	11:42	11:46	4	P
7/28/10	14	8.8'	12:20	12:22	12:24.30	2.5'	P
7/28/10	11	4' / 9'	1:12	1:18	1:32	14	P
7/28/10	4	5.5' / 12'	1:34	1:48	Pulled; reshelf		
	reshelf 4	6' / 12'	1:55	2:03	2:18	15	P
7/28/10	4B	5.5'	Visual; 90% to 90% rock to 9'				F

REMARKS: 11, 14, 15 3' Visual; 25% rock
13-C are boundaries

SANITARIAN RB BACKHOE Sean Baker (Freedom) OTHERS Norm Lennon
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 21046-2147
(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

June 14, 2010

To: Norman Lennon, Future Building & Construction Company, Inc.
Applicant

From: Robert Bricker, CPSS, RS/REHS, Environmental Sanitarian Supervisor
Well and Septic Program

RE: 14275 Old Frederick Road; Tax Map 8, Parcel 268; Percolation Application Plan,
A533266

The proposed testing for sand mound locations cannot be scheduled at this time. With exception of the lowermost portion of 'AREA 4', the areas proposed for testing are too narrow to accommodate a sand mound.

The following issues are also prominent:

1. 'AREA 3' is proposed on a concave landscape location which is inappropriate for any type of wastewater disposal.
2. Testing for sand mounds is to be conducted at times of the year when moisture is retained in the soil, preferably during a 'wet-season' test period declared by the Approving Authority. The lowermost portion of 'AREA 4' would have to be tested during a declared 'wet-season' as it occurs near a concave landscape position and it is at the boundary of a soil unit identified as requiring wet-season tests.

AREA 1 and AREA 2, and the uppermost portion of AREA 4 (as well as the surrounding upland area) may be tested for subsurface disposal of wastewater at any time of year. A soil buffer zone 4 feet wide must separate the bottom of a septic distribution system and the seasonal high water table or the layer where rock content greater than 50 percent begins.

The percolation testing permit that you obtained is valid for up to one year. Should you decide to forego testing, you may apply to the Bureau of Environmental Health for a full refund of the Percolation Test Application Fee.

Copy: Scott Shanaberger, Shanaberger & Lane, Inc.
file

Hudson Property
14285 Old Frederick Rd.

(14) offset

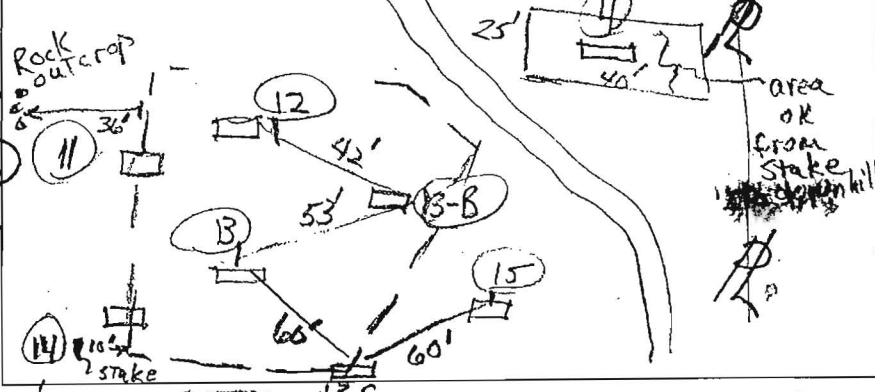
AP

(12)
dk brns sl 0.8
brn scl 2msbk
vel-red sl heavy (0.8 to 0.8) 2.5
yel-red sl few mica 3.8
Common fine mica (H) red-yel sl ORN few stones 9'
H. grey brn flsl saprolite 12'

(4B)
brns sl
brn scl 23'
yel-red sl/dense 4.3'
brn stsl 5.5'
xfls
black coatings 9'

6.8 brn scl 2msbk few stones
1.6 yel-red stsl dense, heavy
3.3 yel-red, dkbrn & yel-brn sl many mica
6.5 lt. grey brn sl, few stones
7.3 lt. brn grey sl 20% wk cen. increasing
8.8

(13) (13-B)
brns sl 2msbk
stone layer 1'
brn scl 3msbk 2'
yel-red sl common mica dense, (0.6) 3.0
yel-brn stsl few channels
Common fine mica 6.8
H. brn-grey
yel-brn sl few channels
H. brn grey stsl 10.5
12.5



(11)
dk. grey brn sl 0.5
brn scl 2msbk 1.3
yel-red sl dense, heavy 2.5
yel-red sl few mica few stones 5.5
lt. brn grey stsl 25% 7'
lt. brn grey vstsl 40% 9'

(13-C)
grey brn sl
brn scl 2msbk
dense sl
yel-red & yel-brn sl few channels
W. H. brn grey flsl
brn vstsl 25% 40%
lt. brn grey 60% rock
vstsl 9'

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
7/28/10	12	5.5' / 12'	10:44	10:46	10:49	3	P
7/28/10	13	5.7' / 12.5'	10:56	10:59	11:03	4	P
7/28/10	13-B	12.5'	Visual, Sidewall 3' to 8'	1.29 rd / 42'			P
7/28/10	13-C	3.8' / 8.5'	11:39	11:42	11:46	4	P
7/28/10	14	4.4' / 8.8'	12:20	12:22	12:24:30	2.5	P
7/28/10	11	4' / 9'	1:12	1:18	1:32	14	P
7/28/10	4	5.5' / 11'	1:34	1:48	Pulled; reshelf		
	reshelf 4	6' / 12'	1:55	2:03	2:18	15	P
7/28/10	4B	5.5'	Visual; 80% to 90% rock to 9'				F

(4)
brn scl 2msbk 1.6'
brn scl 7msbk 2.6'
yel-red sl dense, heavy 3.6'
grey-brn yel-brn & yel-red sl 5.5'
H. grey brn flsl 25% 10.3'
12'

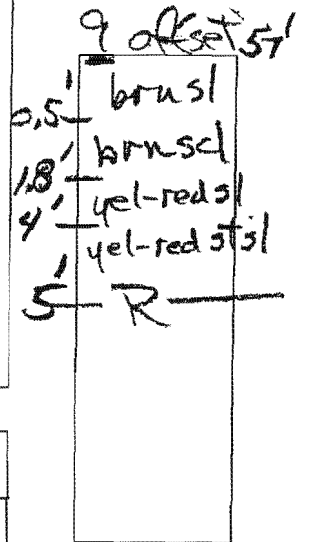
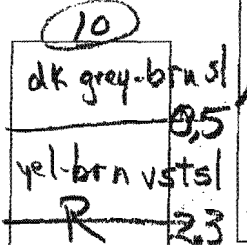
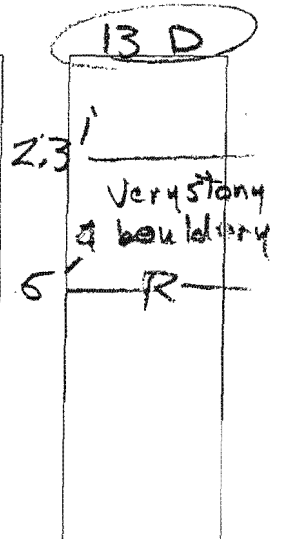
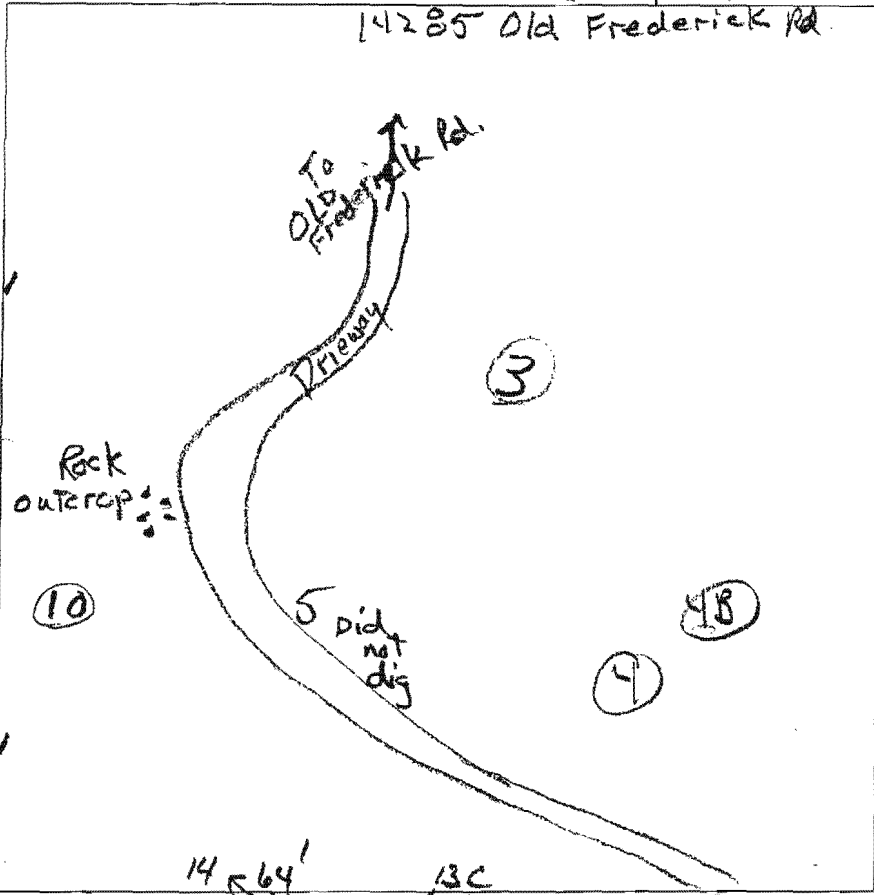
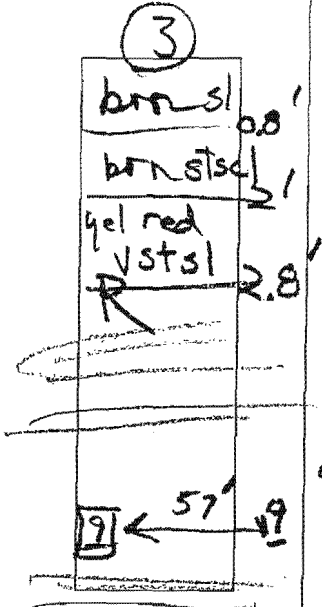
REMARKS: 11, 14, 15 are boundaries; 13-C are boundaries; Visual; >50% rock F

(15)
yel-red sl 3'
stsl 3.5'
W. H. brn grey >50% rock

SANITARIAN RR BACKHOE Sean Baker (Freedom) OTHERS Norm Lennon
TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW. _____

Hudson Property
14285 Old Frederick Rd.

A/P



DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
7/28/10	3	2.8'	Visual		Refusal very stony		F
7/28/10	10	2.3'	Visual		Refusal very stony		F
7/28/10	13D	5'	Visual		Refusal very stony at 2.5'		F
7/20/10	9	5'	Visual		Refusal very stony at 4'		F

REMARKS #4 Passed, 25' x 40' area OK; All others FAIL on this page
 SANITARIAN RB BACKHOE Sean Baker OTHERS Norman Lennon
 TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

A/P _____

Hudson Property

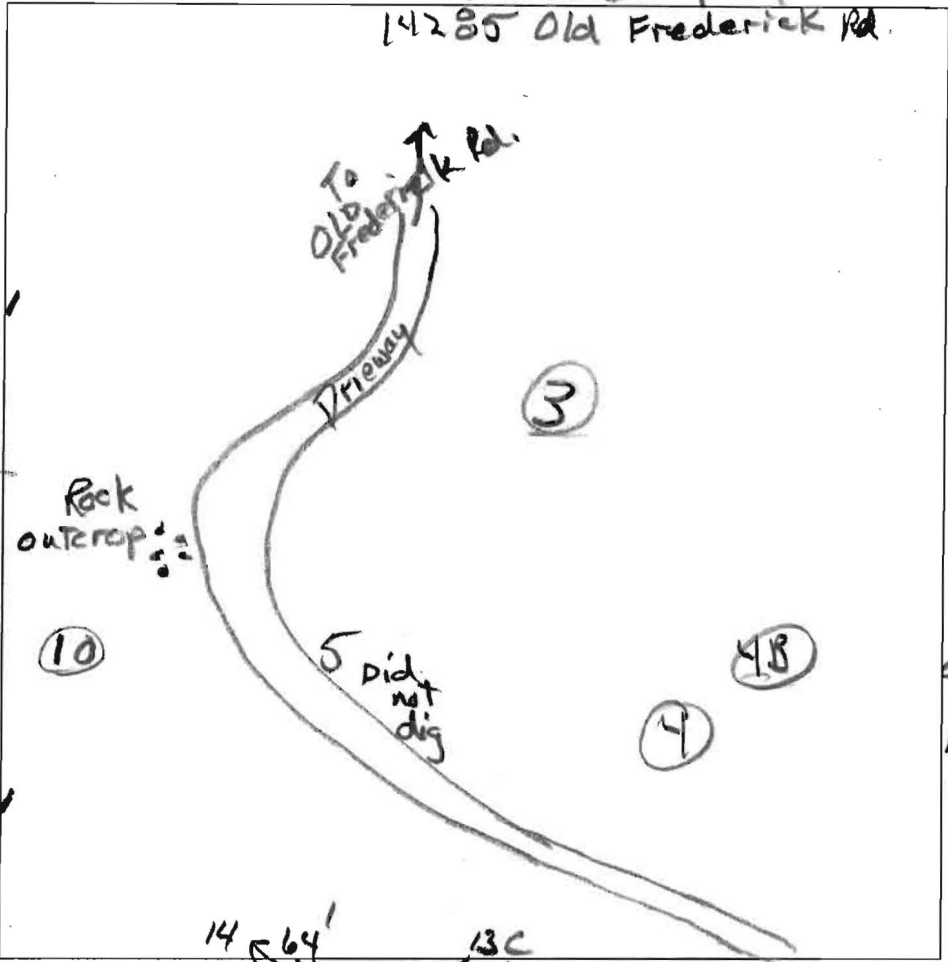
14285 Old Frederick Rd.

13D

(3)
brn sl 0.8'
brn stsl 1'
yel red vstsl 2.8'
R

91 ← 57' 19"

(10)
dk grey-brn sl 0.5'
yel-brn vstsl 2.3'
R



2.3'
Very stony & bouldery
5' R

9 offset 57'
0.5' brn sl
1.8' brn sl
4' yel-red sl.
5' yel-red stsl
R

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
7/28/10	3	2.8'	Visual	Refusal	very stony		F
7/28/10	10	2.3'	Visual	Refusal	very stony		F
7/28/10	13D	5'	Visual	Refusal	very stony	25'	F
7/28/10	9	5'	Visual	Refusal	very stony	4'	F

REMARKS #4 Passed, 25' x 40' area OK; All others FAIL on this page

SANITARIAN RB BACKHOE Sean Baker OTHERS Norman Lennon
Freedom

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

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



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

August 4, 2010

Norman Lennon, Applicant
Future Building and Construction Company, Inc.
12020 Windsor Moss
Ellicott City, Maryland 21042

RE: PERCOLATION TEST RESULTS, 14285 Old Frederick Road', A-533266

Mr. Lennon,

Percolation testing was conducted on the subject property on July 28, 2010. Field data collected are shown on three Percolation Test Worksheets enclosed with this letter. Recommended Inlet and Trench Bottom Depths, and Usable Sidewall are provided for subsequent system design, and all are based on observed soil properties and characteristics at respective test locations as well as the particular soils materials tested.

Percolation test results indicate that soil conditions both satisfactory and unsatisfactory for wastewater disposal occur in the area investigated. Test locations were added in the field so as to define boundaries of the area approvable as a septic reserve. The relative locations of the tests are sketched on the field worksheets. The locations of the percolation tests need to be platted to determine if the usable area of satisfactory soils comprises 10,000 square feet.

Unsatisfactory soil conditions occur on various landscape positions, and are characterized by shallow depth to fractured rock greater than 50 percent (by volume) or 'refusal'. Unsatisfactory conditions occur at or near staked locations 15, 3, 10 and 9 (offset 57 ft. downslope), and at added locations '4-B' (approx. 25 feet upslope of #4) and '13-D' (downslope of #14 and #13-C).

Soil conditions satisfactory for wastewater disposal occur at staked locations 4, 11, 12, 13 and 14, and at added locations '13-B' and '13-C'. Because of soil characteristics observed in the respective excavations, locations 11, 14 and 13-C mark boundaries of a satisfactory septic reserve area. Generally, the approvable area has moderately rapid rate of infiltration in the soil layers tested. An exception is the area represented by location #4 where infiltration is moderately slow in a soil layer that begins at about 5.5 feet depth. The approvable area is dissected by, and therefore impacted by, a gravel driveway. Future use of the gravel drive is undetermined at this time.


The initial septic system distribution trenches for new construction are to be installed in the highest elevation of the septic reserve. On the subject property the highest portion of area approvable as a septic reserve is represented by location #4. Pending

location of the residence and elevation of the first floor, a pump tank may be required to distribute wastewater to the upper septic reserve area.

Further review of this proposal is contingent upon submission of a Percolation Certification Plan that meets state and county requirements. The Percolation Certification Plan for development of the subject property must show a septic reserve area of at least 10,000 square feet and three discrete well locations (or 1500 square foot wellbox), and proper spatial relationships to a proposed residence footprint or 'building envelope'. The plan will include a note stipulating that the well will be drilled and the Well Completion Report approved by the Health Department prior to Health Department approval of the building permit application.

If you have any questions regarding this matter, please contact me at the above address or by calling (410) 313-2691.

Respectfully,


Robert Bricker, RS/REHS, CPSS
Well and Septic Program
Development Coordination Section

Enclosures

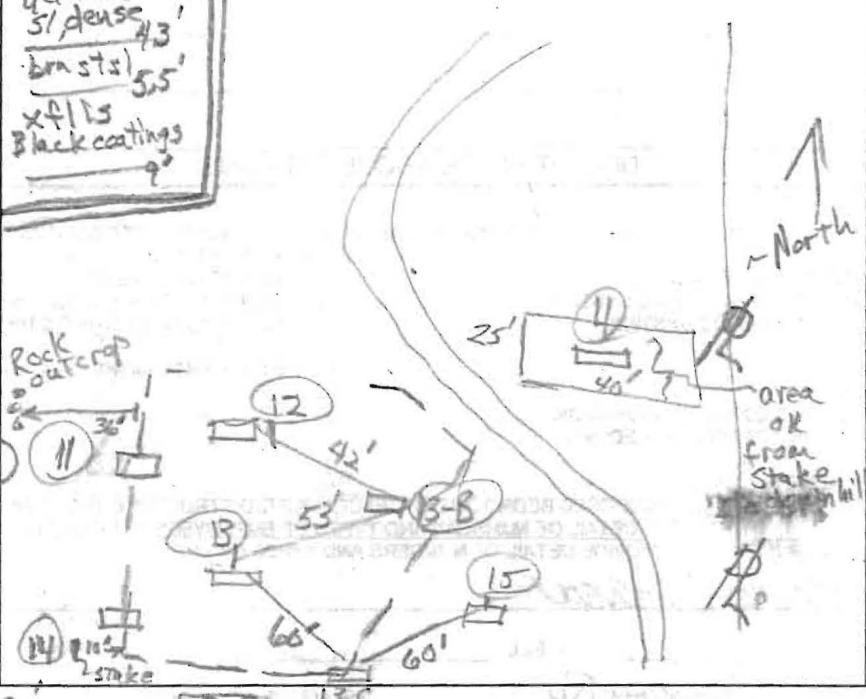
Copy: Richard C. Hudson, owner
Scott Shanaberger, Shanaberger and Lane, Inc.
File

Hudson Property
14285 Old Frederick Rd.

AP
12
dk brn sl 0.8
brn scl 2msbk to 1msbk 2.5
yel-red sl heavy (0.6 to 0.8) 1
yel-red sl few mica 3.8
common fine mica (H) red-yel sl. ORA few stones 9'
lt. grey brn fls sl saprolitel

4B
brn sl
brn scl 23'
yel-red sl dense 4.3
brn sts 5.5
xfls
Black coatings 9'

14 offset
6.8 brn scl 2msbk few stones
1.6 yel-red sts dense, heavy
3.3 yel-red, dk brn 3 yel-brn sl many mica
6.5 lt. grey-brn sl, few stones
7.3 lt. brn grey sl 20% wk. cen. increasing 2.8
8.8



13
1 brn sl 2msbk
1 stoney layer
2 brn scl 3msbk
2 yel-red sl common mica dense, (0.6) 3.0
3 yel-brn sl few channels
Common fine mica 6.8
6.8 lt. brn-grey
yel-brn sl few channels
10.5 lt. brn grey
12.5 sts sl

11
0.5 dk. grey brn sl
1.3 brn scl 2msbk
2.5 yel-red sl dense, heavy
5.5 yel-red sl few mica few stones
7 lt. brn grey sts sl 25%
9 lt. brn grey vsts sl 40%

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
7/28/10	12	5.5' / 12'	10:44	10:46	10:49	3	P
7/28/10	13	5.1' / 12.5'	10:56	10:59	11:03	4	P
7/28/10	13-B	12.5'	Visual	sidewall 3' to 8'		1.29 m / 4.2'	P
7/28/10	13-C	3.8' / 8.5'	11:39	11:42	11:46	4	P
7/28/10	14	4.4' / 8.8'	12:20	12:22	12:24.30	2.5'	P
7/28/10	11	4' / 9'	1:12	1:18	1:32	14	P
7/28/10	4	5.5' / 11'	1:34	1:48	Pulled; reshelf		
	reshelf 4	6' / 12'	1:55	2:03	2:18	15	P
7/28/10	4B	5.5'	Visual	90% to 100% rock to 9'			F
	11, 14, 15	3'	Visual	95% rock			F

13-C
grey brn sl
brn scl 2msbk
dense sl
yel-red sl few mica
5.1' sl
lt. brn grey
4' sl 25%
8.5' lt. brn vsts sl 60% rock
9'

4
1.6 brn scl 2msbk 1.6'
2.6 brn scl 7msbk 2.6'
2.6 yel-red sl dense, heavy
5.5 grey-brn yel-brn yel-red sl
10.3 lt. grey brn fls sl 25%

REMARKS
11, 14, 15 3' Visual; 95% rock
13-C are boundaries

SANITARIAN RR BACKHOE Sean Baker (Freedom) OTHERS Norm Lennon

TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE S/W _____

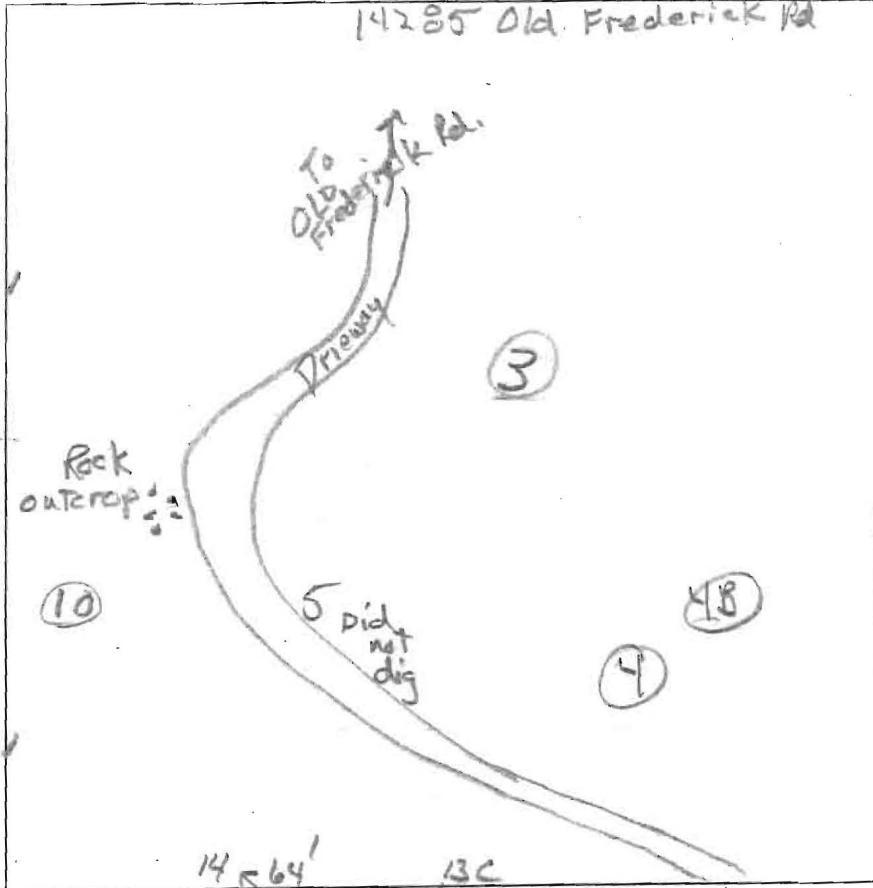
15
3' yel-red sl
3' x sts sl
50% rock

AVP

Hudson Property

14285 Old Frederick Rd

13D



2.3'
Very stony
& bouldery
5' R

9 offset 57'
0.5' brn sl
18' brn scl
4' yel-red sl
1' yel-red stsl
5' R

3
brn sl 0.8'
brn stsl 2'
yel red vstsl 2.8'
R

10
dk gray-brn sl 0.5'
yel-brn vstsl 2.3'
R

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
7/28/10	3	2.8'	Visual		Refusal very stony		F
7/28/10	10	2.3'	Visual		Refusal very stony		F
7/28/10	13D	5'	Visual		Refusal very stony at 4.25'		F
7/28/10	9	5'	Visual		Refusal very stony at 4'		F

REMARKS #4 Passed, 25' x 40' area OK; All others FAIL on this page

SANITARIAN RB BACKHOE Sean Baker OTHERS Norman Lennon

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

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

Bricker, Robert

From: Bricker, Robert
Sent: Wednesday, January 02, 2013 4:30 PM
To: 'Scott Shanaberger'
Subject: Heath Property Perc Cert

Scott,

The perc cert revision for the Health Property needs a couple of adjustments.

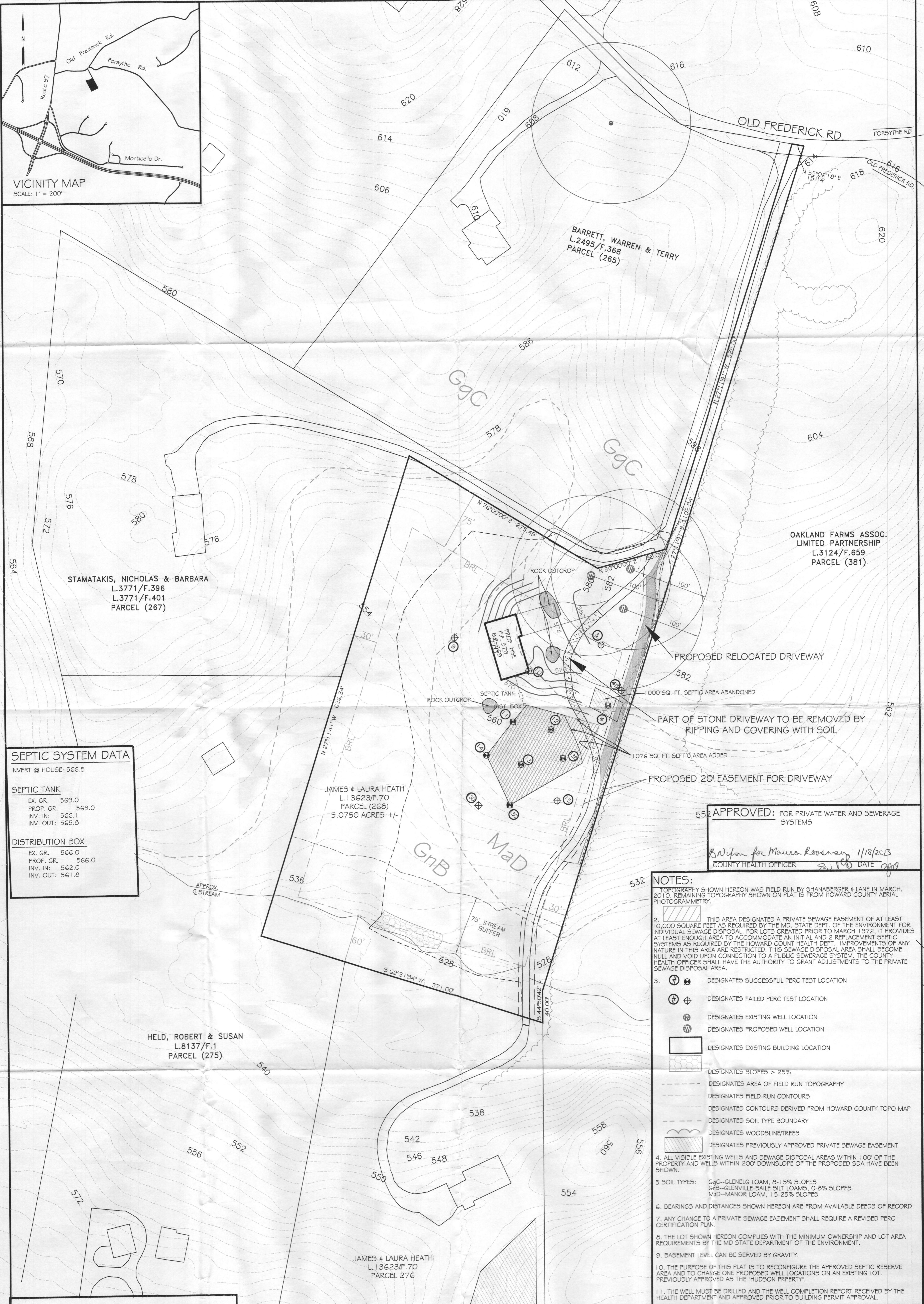
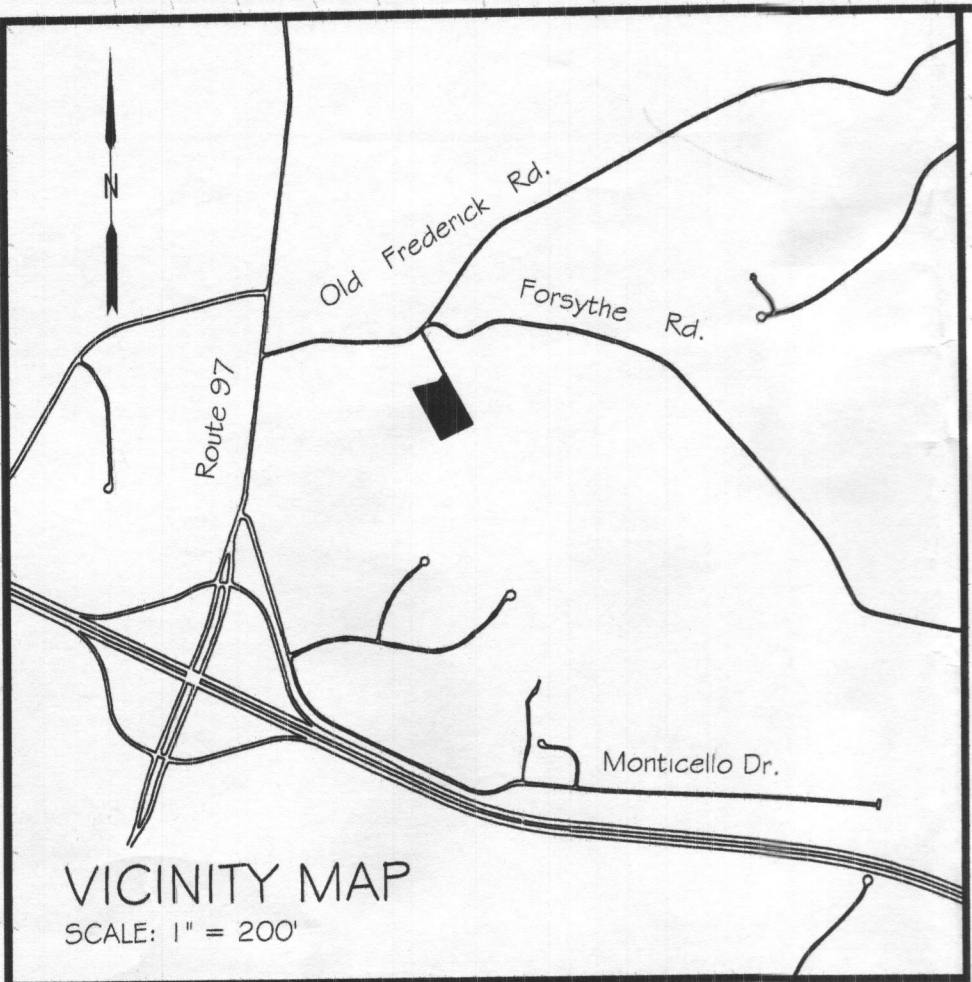
- 1) The septic tank does not measure as 20 feet from the foundation (from the outside edge of the line).
- 2) The symbols used for the septic reserve area need to be resolved. This may require having symbols in the Legend for area to be abandoned, area to be added, and previously approved area(s) (which may be on other lots as well as the subject property). However it resolves there must be consistency.

ROBERT BRICKER, CPSS, REHS/RS
ENVIRONMENTAL SANITARIAN
DEVELOPMENT COORDINATION SECTION, WELL AND SEPTIC PROGRAM
HOWARD COUNTY BUREAU OF ENVIRONMENTAL HEALTH
7178 COLUMBIA GATEWAY DRIVE
COLUMBIA, MD 21046

410-313-2691; fax, 410-313-2648
rbricker@howardcountymd.gov

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SEPTIC SYSTEM DATA
INVERT @ HOUSE: 566.5

SEPTIC TANK	
EX. GR.	569.0
PROP. GR.	569.0
INV. IN.	566.1
INV. OUT.	565.8

DISTRIBUTION BOX	
EX. GR.	566.0
PROP. GR.	566.0
INV. IN.	562.0
INV. OUT.	561.8

552 APPROVED: FOR PRIVATE WATER AND SEWERAGE SYSTEMS
B. Wilson for Mauro Rosaway 1/18/2013
 COUNTY HEALTH OFFICER DATE

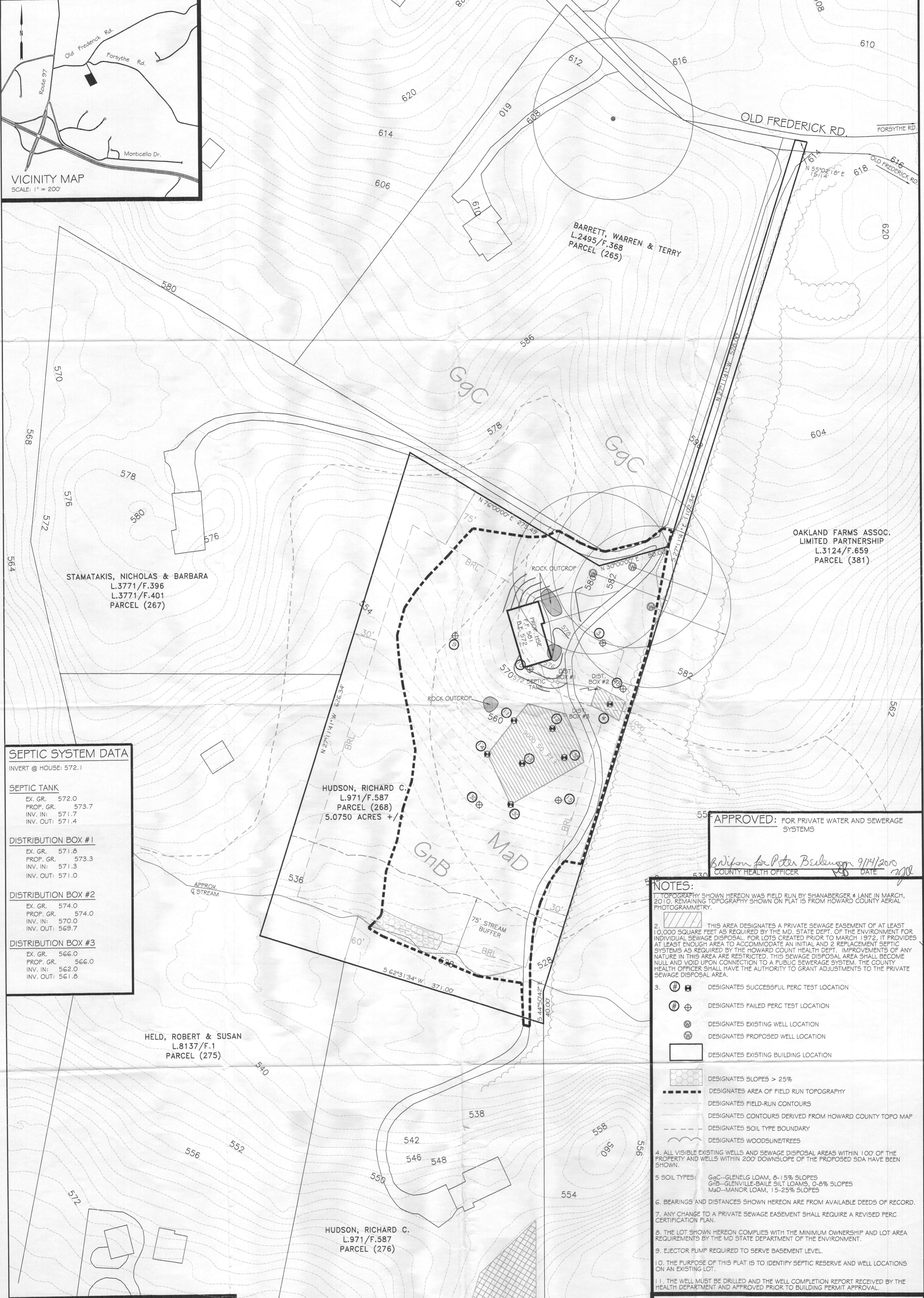
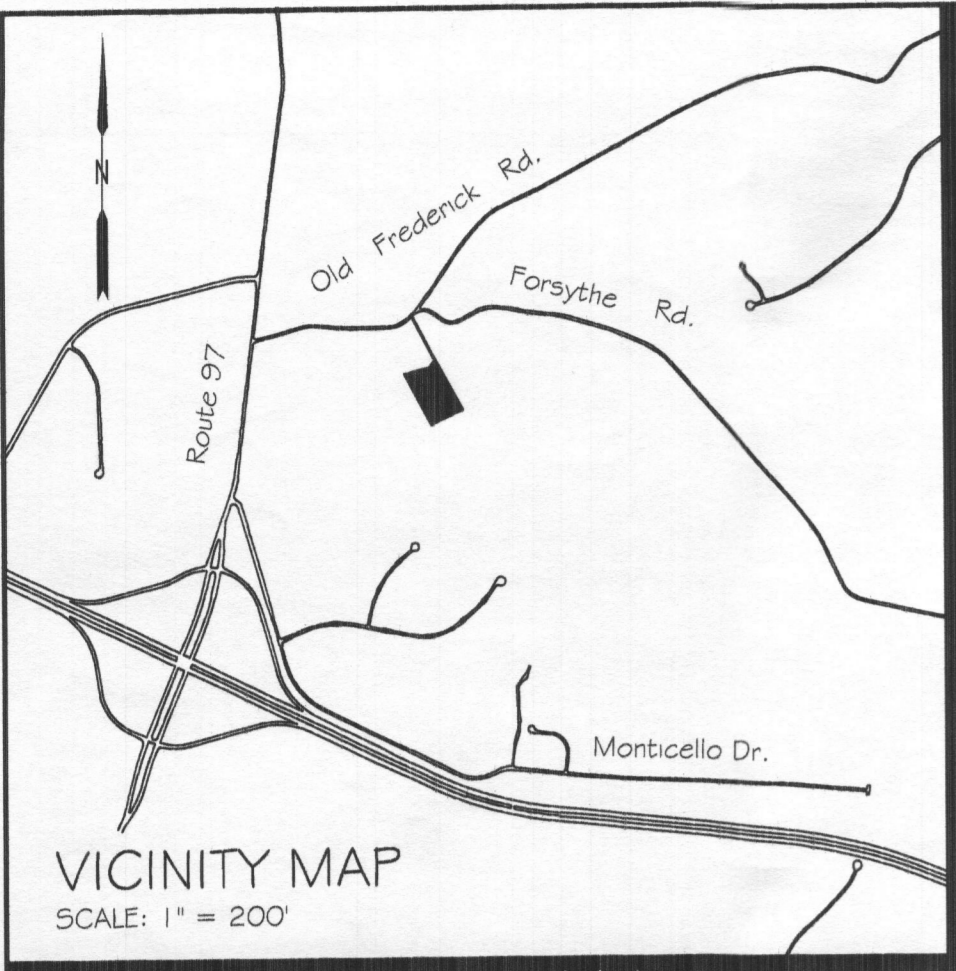
- NOTES:**
- TOPOGRAPHY SHOWN HEREON WAS FIELD RUN BY SHANABERGER & LANE IN MARCH, 2010. REMAINING TOPOGRAPHY SHOWN ON PLAT IS FROM HOWARD COUNTY AERIAL PHOTOGRAMMETRY.
 - THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MD. STATE DEPT. OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. FOR LOTS CREATED PRIOR TO MARCH 1972, IT PROVIDES AT LEAST ENOUGH AREA TO ACCOMMODATE AN INITIAL AND 2 REPLACEMENT SEPTIC SYSTEMS AS REQUIRED BY THE HOWARD COUNTY HEALTH DEPT. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED. THIS SEWAGE DISPOSAL AREA SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE DISPOSAL AREA.
 - ⊕ ⊗ DESIGNATES SUCCESSFUL PERC TEST LOCATION
 - ⊕ ⊗ DESIGNATES FAILED PERC TEST LOCATION
 - ⊕ ⊗ DESIGNATES EXISTING WELL LOCATION
 - ⊕ ⊗ DESIGNATES PROPOSED WELL LOCATION
 - ▭ DESIGNATES EXISTING BUILDING LOCATION
 - ▨ DESIGNATES SLOPES > 25%
 - - - DESIGNATES AREA OF FIELD RUN TOPOGRAPHY
 - - - DESIGNATES FIELD-RUN CONTOURS
 - - - DESIGNATES CONTOURS DERIVED FROM HOWARD COUNTY TOPO MAP
 - - - DESIGNATES SOIL TYPE BOUNDARY
 - ▨ DESIGNATES WOODSLINE/TREES
 - ▨ DESIGNATES PREVIOUSLY-APPROVED PRIVATE SEWAGE EASEMENT
 - ALL VISIBLE EXISTING WELLS AND SEWAGE DISPOSAL AREAS WITHIN 100' OF THE PROPERTY AND WELLS WITHIN 200' DOWNSLOPE OF THE PROPOSED SDA HAVE BEEN SHOWN.
 - SOIL TYPES: GgC--GLENELG LOAM, 8-15% SLOPES
 GbB--GLENVILLE-BAILE SILT LOAMS, 0-8% SLOPES
 MaD--MANOR LOAM, 15-25% SLOPES
 - BEARINGS AND DISTANCES SHOWN HEREON ARE FROM AVAILABLE DEEDS OF RECORD.
 - ANY CHANGE TO A PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERC CERTIFICATION PLAN.
 - THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP AND LOT AREA REQUIREMENTS BY THE MD STATE DEPARTMENT OF THE ENVIRONMENT.
 - BASEMENT LEVEL CAN BE SERVED BY GRAVITY.
 - THE PURPOSE OF THIS PLAT IS TO RECONFIGURE THE APPROVED SEPTIC RESERVE AREA AND TO CHANGE ONE PROPOSED WELL LOCATIONS ON AN EXISTING LOT, PREVIOUSLY APPROVED AS THE "HUDSON PROPERTY".
 - THE WELL MUST BE DRILLED AND THE WELL COMPLETION REPORT RECEIVED BY THE HEALTH DEPARTMENT AND APPROVED PRIOR TO BUILDING PERMIT APPROVAL.

SHANABERGER & LANE
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 (410) 461-9693 fax
 home@shlanlane.com

PERC CERTIFICATION: I HEREBY CERTIFY THAT THE INFORMATION SHOWN HEREON REFLECTS FIELD WORK DONE BY ME OR UNDER MY DIRECT SUPERVISION AND IS CORRECT TO THE BEST OF MY PROFESSIONAL KNOWLEDGE AND BELIEF.

G. Scott Shanaberger 1/31/13
 G. SCOTT SHANABERGER DATE
 PROFESSIONAL LAND SURVEYOR #10849

PERC CERTIFICATION PLAN
HEATH PROPERTY
 TAX MAP 8, GRID 17, PARCEL 268
 14285 OLD FREDERICK ROAD
 DEED REF: 13623/70
 4TH ELECTION DISTRICT HOWARD CO., MD.
 SCALE: 1" = 50' DATE: 1/31/13



SEPTIC SYSTEM DATA
INVERT @ HOUSE: 572.1

SEPTIC TANK
EX. GR. 572.0
PROP. GR. 573.7
INV. IN: 571.7
INV. OUT: 571.4

DISTRIBUTION BOX #1
EX. GR. 571.8
PROP. GR. 573.3
INV. IN: 571.3
INV. OUT: 571.0

DISTRIBUTION BOX #2
EX. GR. 574.0
PROP. GR. 574.0
INV. IN: 570.0
INV. OUT: 569.7

DISTRIBUTION BOX #3
EX. GR. 566.0
PROP. GR. 566.0
INV. IN: 562.0
INV. OUT: 561.8

APPROVED: FOR PRIVATE WATER AND SEWERAGE SYSTEMS
Signature of Peter Belemmer 9/14/2010
COUNTY HEALTH OFFICER

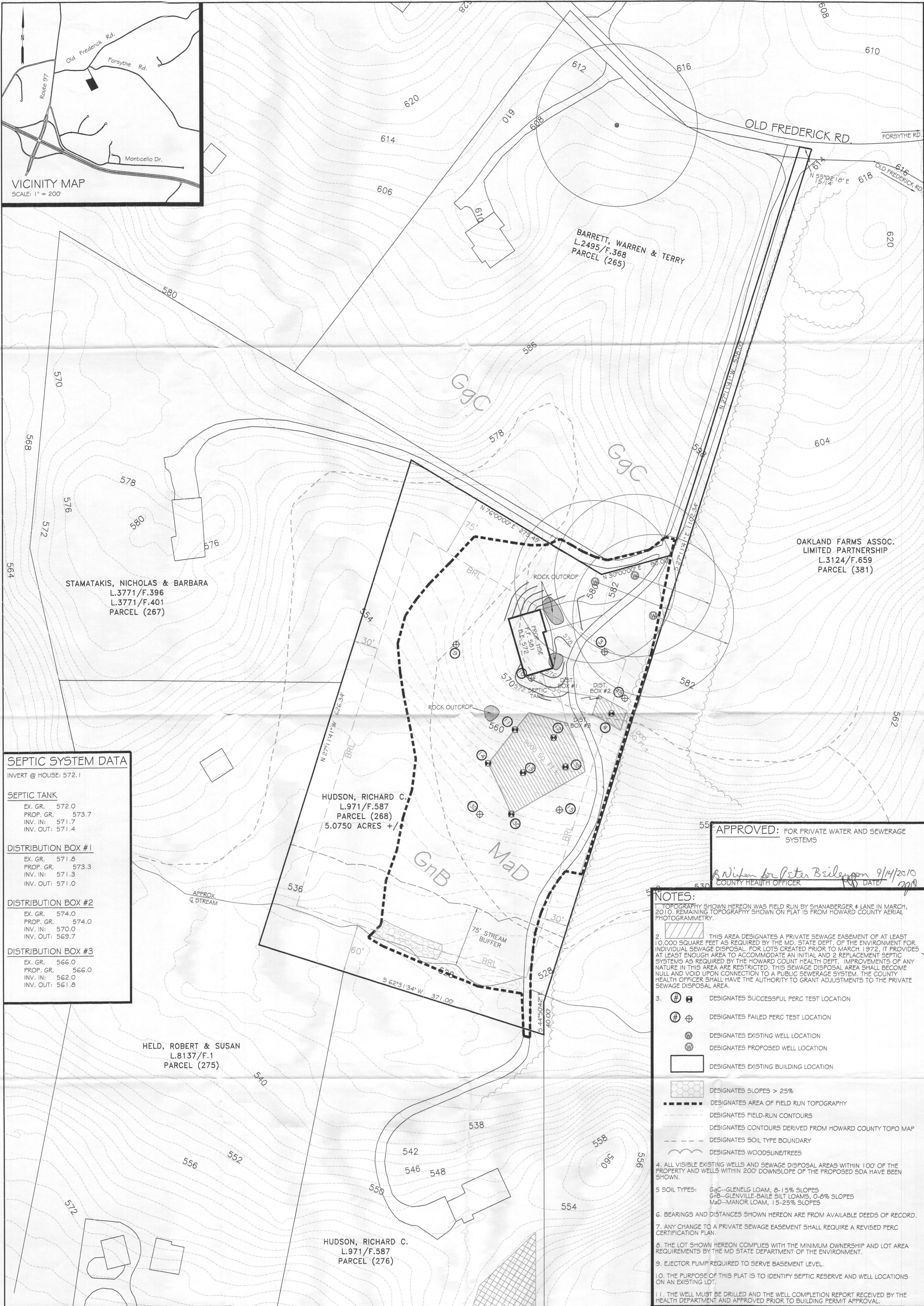
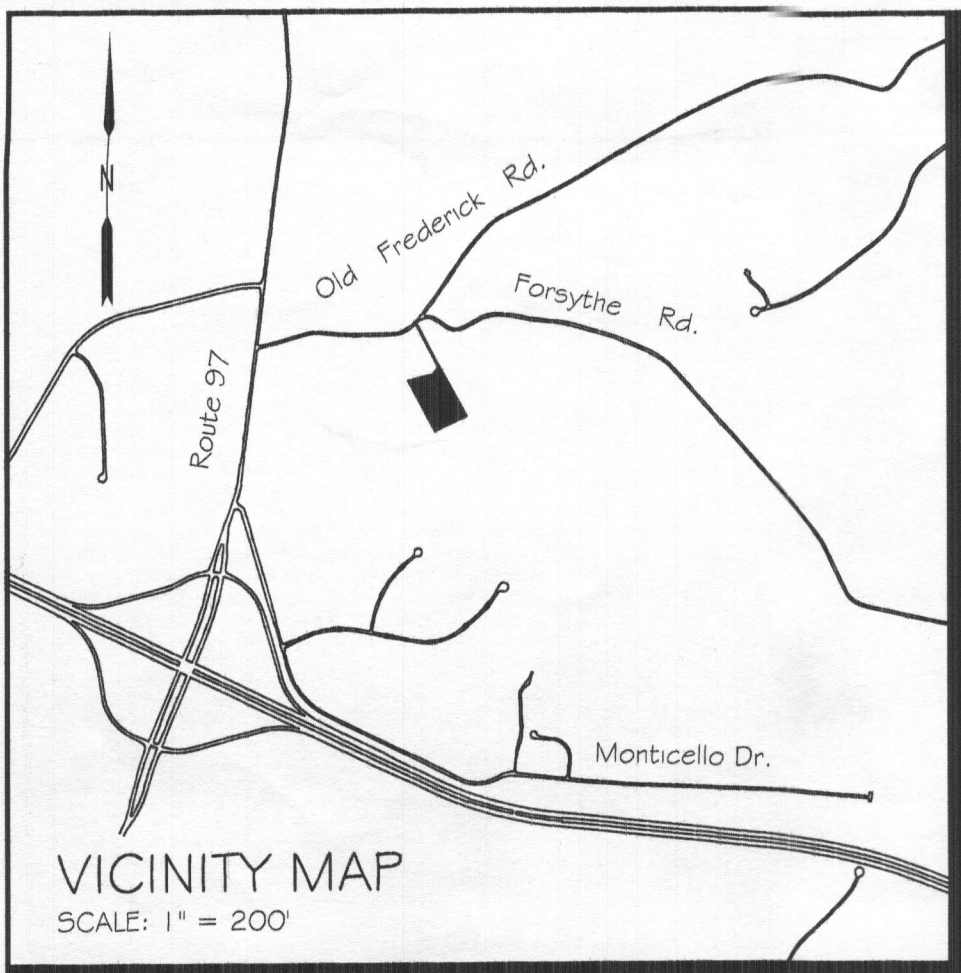
- NOTES:**
1. TOPOGRAPHY SHOWN HEREON WAS FIELD RUN BY SHANABERGER & LANE IN MARCH, 2010. REMAINING TOPOGRAPHY SHOWN ON PLAT IS FROM HOWARD COUNTY AERIAL PHOTOGRAMMETRY.
 2. THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MD. STATE DEPT. OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. FOR LOTS CREATED PRIOR TO MARCH 1972, IT PROVIDES AT LEAST ENOUGH AREA TO ACCOMMODATE AN INITIAL AND 2 REPLACEMENT SEPTIC SYSTEMS AS REQUIRED BY THE HOWARD COUNTY HEALTH DEPT. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED. THIS SEWAGE DISPOSAL AREA SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE DISPOSAL AREA.
 3. # ⊕ DESIGNATES SUCCESSFUL PERC TEST LOCATION
⊕ DESIGNATES FAILED PERC TEST LOCATION
⊙ DESIGNATES EXISTING WELL LOCATION
⊙ DESIGNATES PROPOSED WELL LOCATION
□ DESIGNATES EXISTING BUILDING LOCATION
 4. ALL VISIBLE EXISTING WELLS AND SEWAGE DISPOSAL AREAS WITHIN 100' OF THE PROPERTY AND WELLS WITHIN 200' DOWNSLOPE OF THE PROPOSED SDA HAVE BEEN SHOWN.
 5. SOIL TYPES: GgC--GLENELG LOAM, 8-15% SLOPES
GnB--GLENVILLE-BAILE SILT LOAMS, 0-8% SLOPES
MaD--MANOR LOAM, 15-25% SLOPES
 6. BEARINGS AND DISTANCES SHOWN HEREON ARE FROM AVAILABLE DEEDS OF RECORD.
 7. ANY CHANGE TO A PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERC CERTIFICATION PLAN.
 8. THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP AND LOT AREA REQUIREMENTS BY THE MD STATE DEPARTMENT OF THE ENVIRONMENT.
 9. EJECTOR PUMP REQUIRED TO SERVE BASEMENT LEVEL.
 10. THE PURPOSE OF THIS PLAT IS TO IDENTIFY SEPTIC RESERVE AND WELL LOCATIONS ON AN EXISTING LOT.
 11. THE WELL MUST BE DRILLED AND THE WELL COMPLETION REPORT RECEIVED BY THE HEALTH DEPARTMENT AND APPROVED PRIOR TO BUILDING PERMIT APPROVAL.

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Signature of G. Scott Shanaberger
G. SCOTT SHANABERGER
PROFESSIONAL LAND SURVEYOR #10242

PERC CERTIFICATION PLAN
HUDSON PROPERTY
TAX MAP 8, GRID 17, PARCEL 268
14285 OLD FREDERICK ROAD
DEED REF: 981/587
4TH ELECTION DISTRICT HOWARD CO., MD.
SCALE: 1" = 50' DATE: AUGUST 9, 2010
REVISED AUGUST 31, 2010



SEPTIC SYSTEM DATA

INVERT @ HOUSE: 572.1

SEPTIC TANK
 EX. GR. 572.0
 PROP. GR. 573.7
 INV. IN: 571.7
 INV. OUT: 571.4

DISTRIBUTION BOX #1
 EX. GR. 571.8
 PROP. GR. 573.3
 INV. IN: 571.3
 INV. OUT: 571.0

DISTRIBUTION BOX #2
 EX. GR. 574.0
 PROP. GR. 574.0
 INV. IN: 570.0
 INV. OUT: 569.7

DISTRIBUTION BOX #3
 EX. GR. 566.0
 PROP. GR. 566.0
 INV. IN: 562.0
 INV. OUT: 561.8

APPROVED: FOR PRIVATE WATER AND SEWERAGE SYSTEMS

William Peter Bieleman 9/14/2010
 COUNTY HEALTH OFFICER DATE

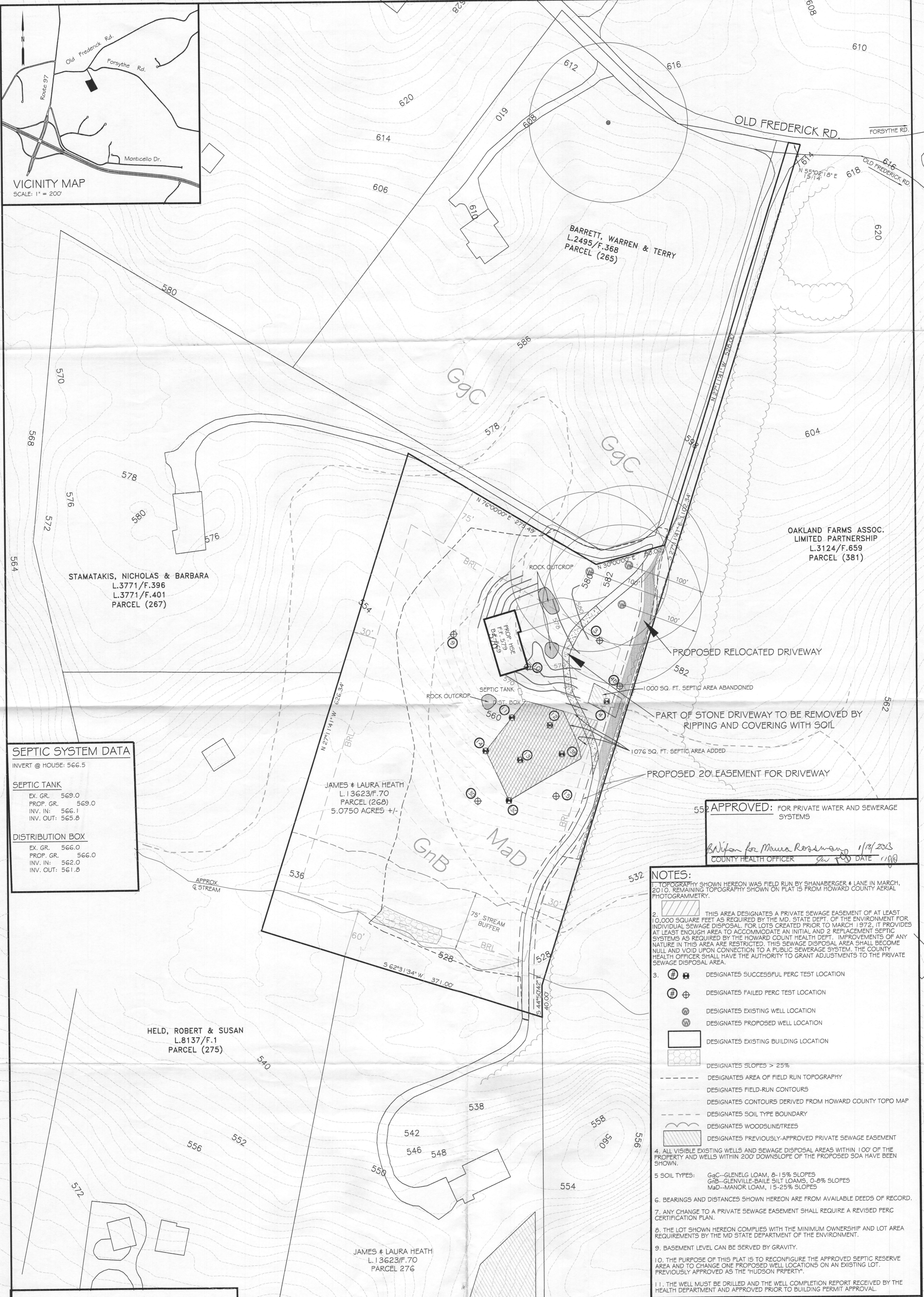
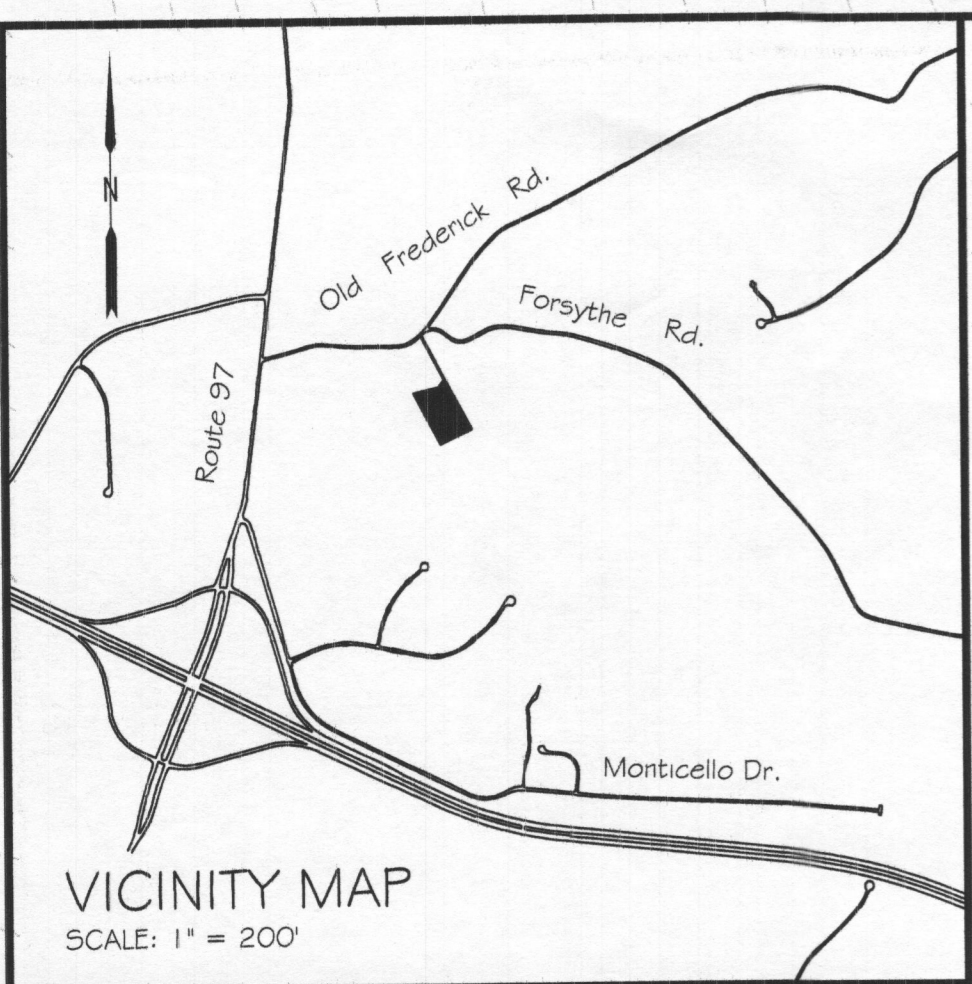
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 - ▨ DESIGNATES SLOPES > 25%
 - DESIGNATES AREA OF FIELD RUN TOPOGRAPHY
 - DESIGNATES FIELD-RUN CONTOURS
 - DESIGNATES CONTOURS DERIVED FROM HOWARD COUNTY TOPO MAP
 - DESIGNATES SOIL TYPE BOUNDARY
 - DESIGNATES WOODLINE/TREES
 - ALL VISIBLE EXISTING WELLS AND SEWAGE DISPOSAL AREAS WITHIN 100' OF THE PROPERTY AND WELLS WITHIN 200' DOWNSLOPE OF THE PROPOSED SDA HAVE BEEN SHOWN.
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Scott Shanaberg
 G. SCOTT SHANABERGER
 PROFESSIONAL LAND SURVEYOR #10849

PERC CERTIFICATION PLAN
HUDSON PROPERTY
 TAX MAP 8, GRID T7, PARCEL 268
 14285 OLD FREDERICK ROAD
 DEED REF: 981/587
 4TH ELECTION DISTRICT HOWARD CO., MD.
 SCALE: 1" = 50' DATE: AUGUST 9, 2010
 REVISED AUGUST 31, 2010



SEPTIC SYSTEM DATA
 INVERT @ HOUSE: 566.5

SEPTIC TANK

EX. GR.	569.0
PROP. GR.	569.0
INV. IN.	566.1
INV. OUT.	565.8

DISTRIBUTION BOX

EX. GR.	566.0
PROP. GR.	566.0
INV. IN.	562.0
INV. OUT.	561.8

552 APPROVED: FOR PRIVATE WATER AND SEWERAGE SYSTEMS
 Written for Maria Rossmann 1/18/2013
 COUNTY HEALTH OFFICER [Signature] DATE 1/18/13

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 - | | |
|-----|---|
| ⊕ | DESIGNATES SUCCESSFUL PERC TEST LOCATION |
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[Signature]
 SCOTT SHANABERGER
 PROFESSIONAL LAND SURVEYOR #10849

PERC CERTIFICATION PLAN
HEATH PROPERTY
 TAX MAP 8, GRID 17, PARCEL 268
 14285 OLD FREDERICK ROAD
 DEED REF: 13623/70
 4TH ELECTION DISTRICT HOWARD CO., MD.
 SCALE: 1" = 50' DATE: 1/13/13

