

# APPLICATION

PERCOLATION TESTING

A 56366-C

P \_\_\_\_\_

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

DISTRICT \_\_\_\_\_

DATE 12-11-95

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 Rudolph Van't Hoff

ADDRESS <sup>6551</sup>6651 Paper Place, Highland, MD. 20777 PHONE (301) 854-2650

AGENT OR PROSPECTIVE BUYER O'Connell & Lawrence, Inc. (surveyor/engineer)

ADDRESS 17904 Georgia Ave., Suite 302, Olney, MD. 20832 PHONE (301) 924-4570

PROPERTY LOCATION:

SUBDIVISION Van't Hoff Property LOT NO. 4

ROAD AND DESCRIPTION Paper Place, Highland, Maryland 20777

TAX MAP 34 PARCEL # 393

SIZE OF LOT 5 ac. average 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. Michael Jeffrey Key for owner  
(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

56366 C

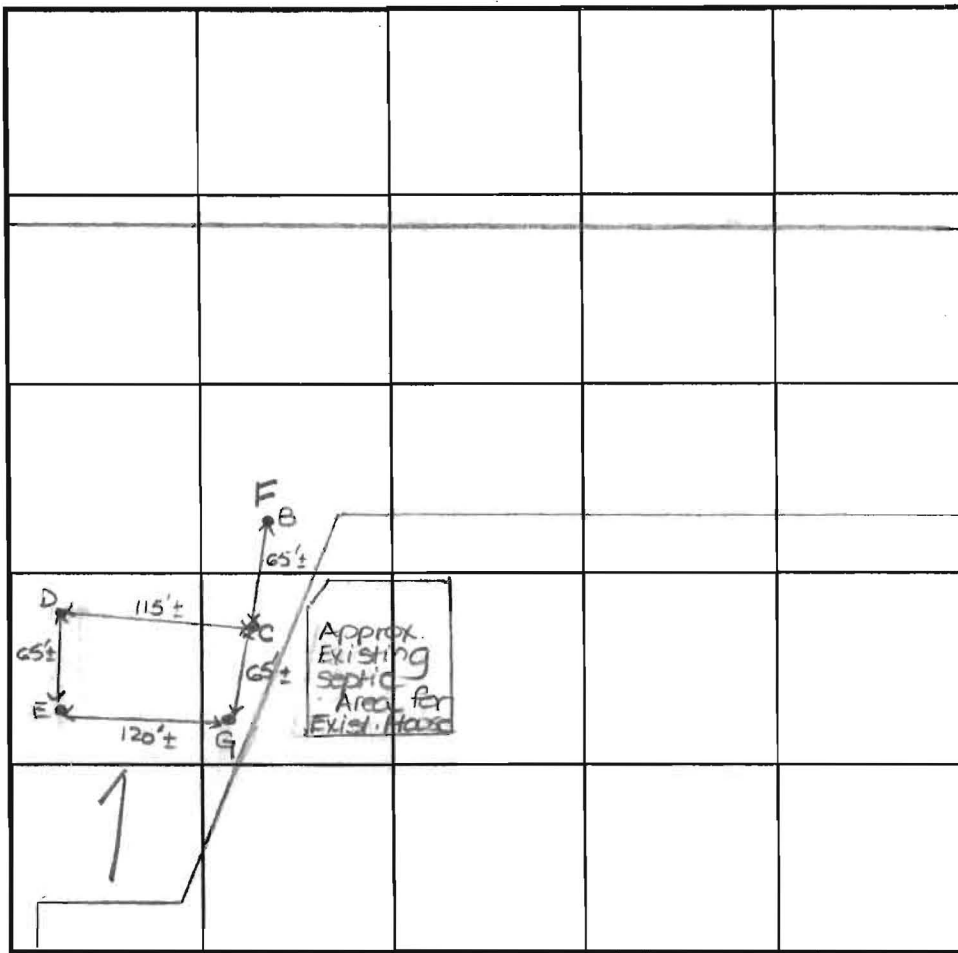
COUNTY #

SOIL PROFILE

0' (B)  
 1' topsoil  
 red or br cl lm  
 2.5' - 3'  
 1t br to tan sa lm  
 6' Refusal

0' (C)  
 1' topsoil  
 red or br cl lm  
 3.5'  
 1t or br to tan sa lm  
 10% rock frags  
 11' Appr. Refusal

0' (D)  
 1' topsoil  
 or red br cl lm  
 3.5' - 4'  
 1t br sa lm  
 9' small patch with soft rd  
 12' 5% rock frags



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE

0' (E)  
 1' topsoil  
 or red br cl lm  
 4.5' - 5'  
 1t or br to 1t br sa lm  
 5% rock frags

0' (G)  
 1' topsoil  
 or br cl lm  
 4'  
 1t or br to 1t br sa lm  
 5-10% rock frag  
 12'

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
3-12-96	B	6.0'D	Visual	- Refusal			FAIL
	C	4'2"S	10:39	10:40 <sub>30</sub>	10:40 <sub>30</sub>	10:42 <sub>30</sub>	2
		11.0'D	Visual	- see profile			
	D	4'4"S	10:52	10:53 <sub>30</sub>	10:53 <sub>30</sub>	10:56 <sub>30</sub>	3
		12.0'D	Visual	- see profile			
	E	11.0'D	Visual	- see profile			
	G	4'4"S	11:14	11:18	11:18	11:23	5
		12.0'D	Visual	- see profile			

REMARKS \_\_\_\_\_

TYPE OF SOIL \_\_\_\_\_

TESTED BY D. See ALSO PRESENT owner

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 4 min TRENCH WIDTH 3'

INLET DEPTH 4 MAXIMUM BOTTOM DEPTH 6 SQ. FT./BEDROOM 180



# APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) \_\_\_\_\_ TEST TIME \_\_\_\_\_

AP 520429-B

AGENCY REVIEW: \_\_\_\_\_

DATE 6/17/2004

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) GREENFIELD HOMES

DAYTIME PHONE 410 781 6782 CELL \_\_\_\_\_ FAX \_\_\_\_\_

MAILING ADDRESS 6656 LUSTER DRIVE HIGHLAND MD 20777  
STREET CITY/TOWN STATE ZIP

APPLICANT FSH ASSOCIATES

DAYTIME PHONE 410 750 2251 CELL \_\_\_\_\_ FAX 410 750 7350

MAILING ADDRESS 8318 FORREST ST ELLCOTT CITY MD 21043  
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION

SUBDIVISION/PROPERTY NAME VANT HOFF PROPERTY LOT NO. 4

PROPERTY ADDRESS 6555 N PAPER PLACE HIGHLAND  
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 34 GRID 17 PARCEL(S) 393 PROPOSED LOT SIZE 5.67 AC

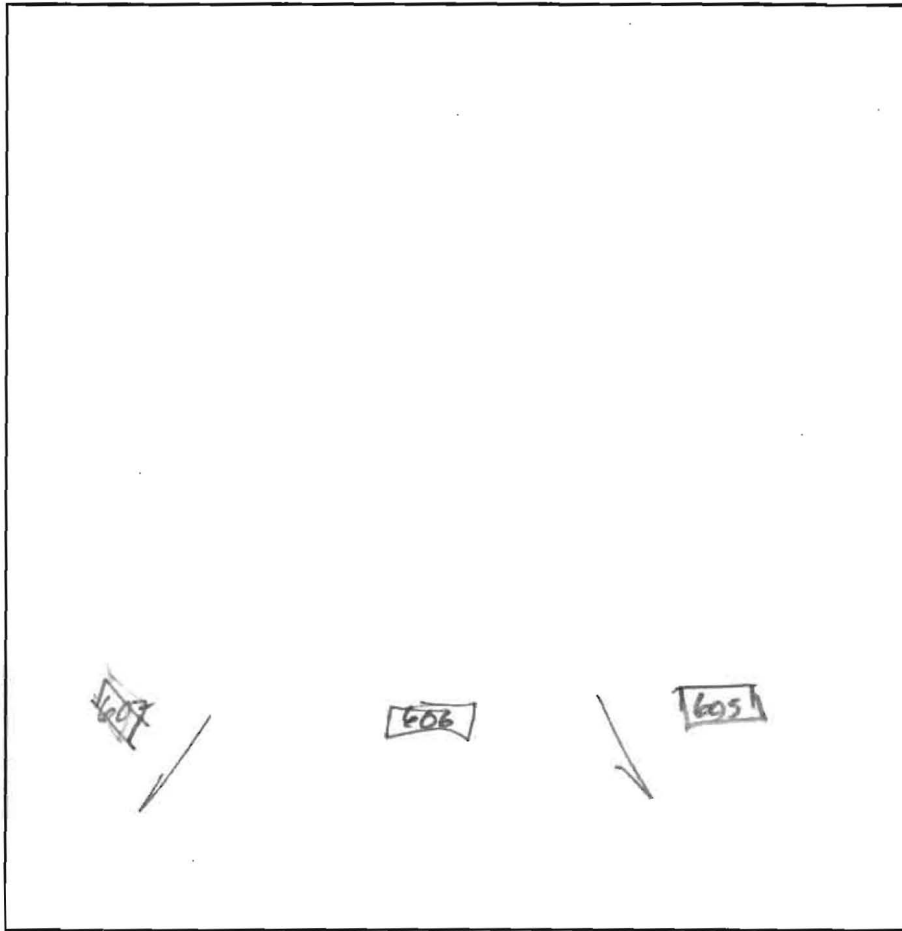
AS APPLICANT, I UNDERSTAND THE FOLLOWING: THE SYSTEM INSTALLED SUBSEQUENT TO THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS APPLICATION IS COMPLETE WHEN ALL APPLICABLE FEES AND A SUITABLE SITE PLAN HAVE BEEN RECEIVED. I ACCEPT THE RESPONSIBILITY FOR COMPLIANCE WITH ALL M.O.S.H.A. 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

[Empty box]



[Empty box]

606  
 Brown Orange  
 L  
 2'  
 Yellow/Brown  
 Orange  
 S  
 6'  
 Black/white  
 S w/  
 45% Flagg  
 mica cement  
 HB  
 8 1/2'

605  
 Brown  
 L  
 1'  
 Brown/Yellow  
 Orange  
 S  
 11'

607  
 Brown  
 L  
 1'  
 Yellow/Brown  
 white  
 S  
 6'  
 Yellow/Brown  
 white  
 S w/  
 35%  
 Rock  
 11'

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
7/8/04	606	3' 5/8"	9:52	9:53	9:55	2min	P
	605	2 1/2" 11'	10:01	10:03	10:06	3min	P
	607	3 1/2" 11'	10:20	10:23	10:28	5min	P

REMARKS Holes dug per plan

SANITARIAN \_\_\_\_\_ BACKHOE \_\_\_\_\_ OTHERS \_\_\_\_\_

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

TRENCH WIDTH \_\_\_\_\_ INLET DEPTH \_\_\_\_\_ MAX. BOT DEPTH \_\_\_\_\_ EFFECTIVE SW \_\_\_\_\_

PERSIMMON  
BOTTOM FARM, INC.

P.43  
L.704 F.438

N 558,000  
E 1,325,250

1420	557369.874	1326867.571
1421	557465.596	1326401.248
1422	557453.682	1326316.704
1423	557008.621	1326107.789
1424	556955.922	1326056.713
1425	556935.339	1325840.532
1427	556461.749	1324568.375

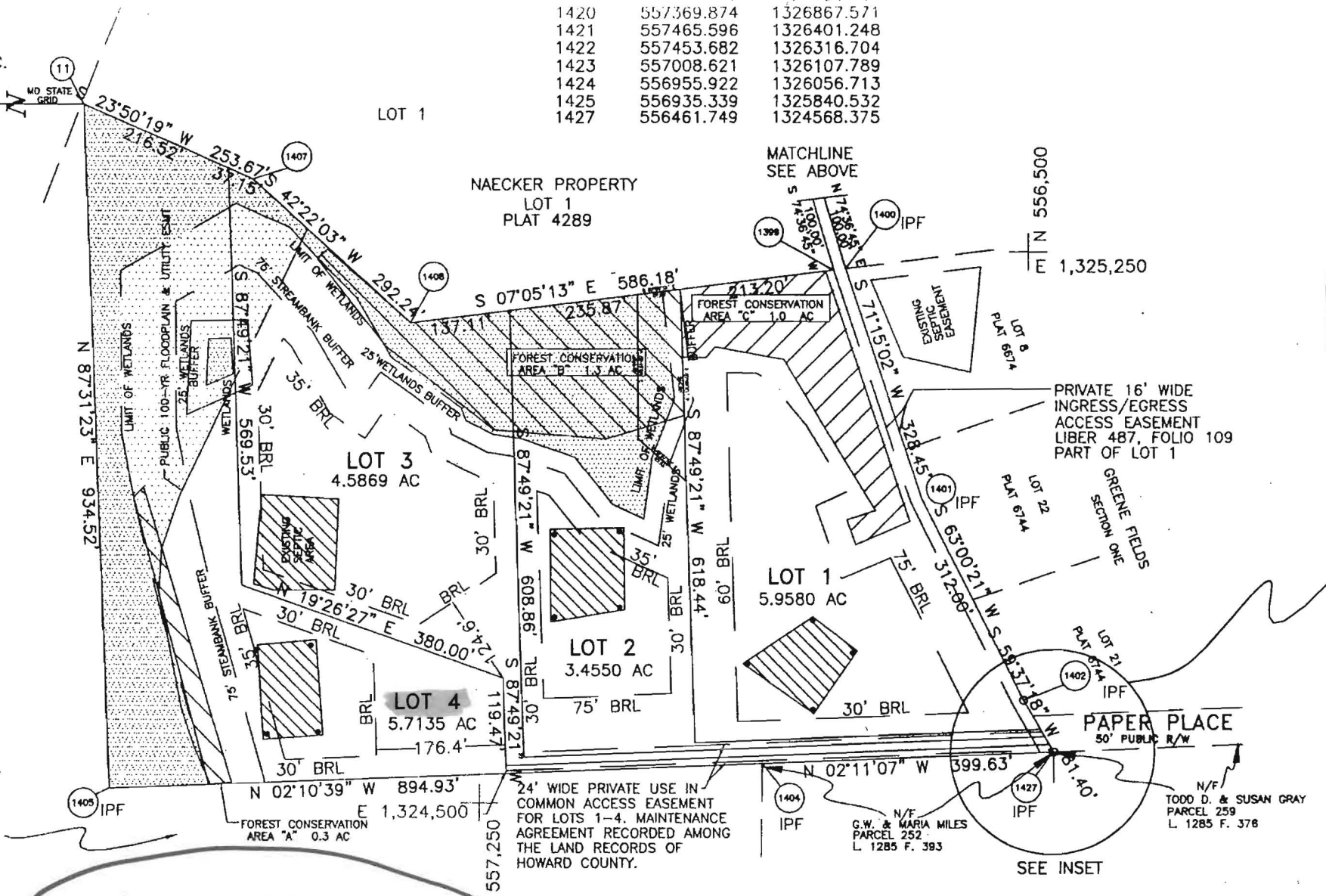
LOT 1

NAECKER PROPERTY  
LOT 1  
PLAT 4289

MATCHLINE  
SEE ABOVE

N 556,500  
E 1,325,250

GREEN PROPERTY  
LOT 1  
PLAT 5208



PRIVATE 16' WIDE  
INGRESS/EGRESS  
ACCESS EASEMENT  
LIBER 487, FOLIO 109  
PART OF LOT 1

24' WIDE PRIVATE USE IN  
COMMON ACCESS EASEMENT  
FOR LOTS 1-4. MAINTENANCE  
AGREEMENT RECORDED AMONG  
THE LAND RECORDS OF  
HOWARD COUNTY.

PAPER PLACE  
50' PUBLIC R/W

N/F  
TODD D. & SUSAN GRAY  
PARCEL 259  
L. 1285 F. 378

**F-96-170**  
**Van't Hoff Property**  
**Recorded on 10/31/1997**

**MINIMUM LOT SIZE CHART**

LOT	GROSS AREA ACRES	PIPESTEM AREA ACRES	REMAINING AREA ACRES
1	5.9580	0.0000	5.9580*
2	3.4550	0.1159	3.3391
3	4.5869	0.2429	4.3440
4	5.7135	0.1816	5.5319

\* THE ACREAGE INCLUDES A 2900' X 16' (1.0652 ACRES) CONNECTION TO MD 108 WHICH IS NOT A PIPESTEM

**PLAT TABULATION**

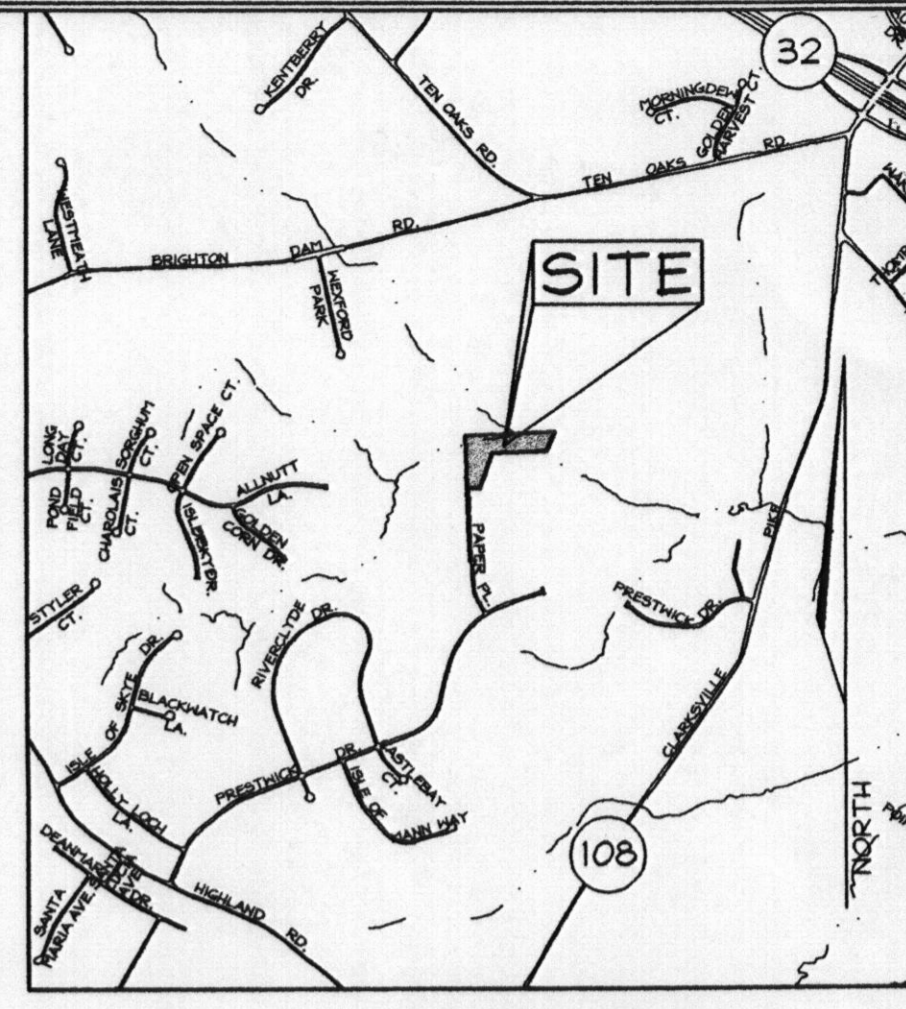
	TOTALS
TOTAL NUMBER OF LOTS AND/OR PARCELS TO BE RECORDED:	4
TOTAL AREA OF LOTS AND/OR PARCELS:	19.7134 AC.
TOTAL AREA OF ROAD RIGHT-OF-WAY TO BE RECORDED INCLUDING WIDENING STRIPS:	0.0000 AC.
TOTAL AREA OF SUBDIVISION TO BE RECORDED:	19.7134 AC.

OWNER'S CERTIFICATE

**GENERAL NOTES**

- Reference: Plat #12949
- Five (5) foot contours are taken from Howard County aerial topographic survey. Two (2) foot contours have been field run by C.B. Miller and Associates, Registered Land Surveyor, in January 2004.
- Contractor to confirm all dimensions, utilities and topography in the field. If any conflicts arise, contact Engineer before beginning any work.
- Driveway entrance to be constructed in accordance with Howard County Standard Detail R.6.06.
- Private water, and sewer will be used within this site.
- This area designates a private sewage reserve area, of at least 10,000 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 reserve areas shall become null and void upon connection to a public sewage system. The County Health Officer shall have the authority to grant adjustments to the private sewage reserve area. Recordation of a modified sewage reserve area shall not be necessary.
- All wells and septic fields within 100' of property's boundary have been shown.
- Howard County Soil Map #23
- Septic field is located on soil types MgC2, MgC3, MID2 as per the soil survey of Howard County.

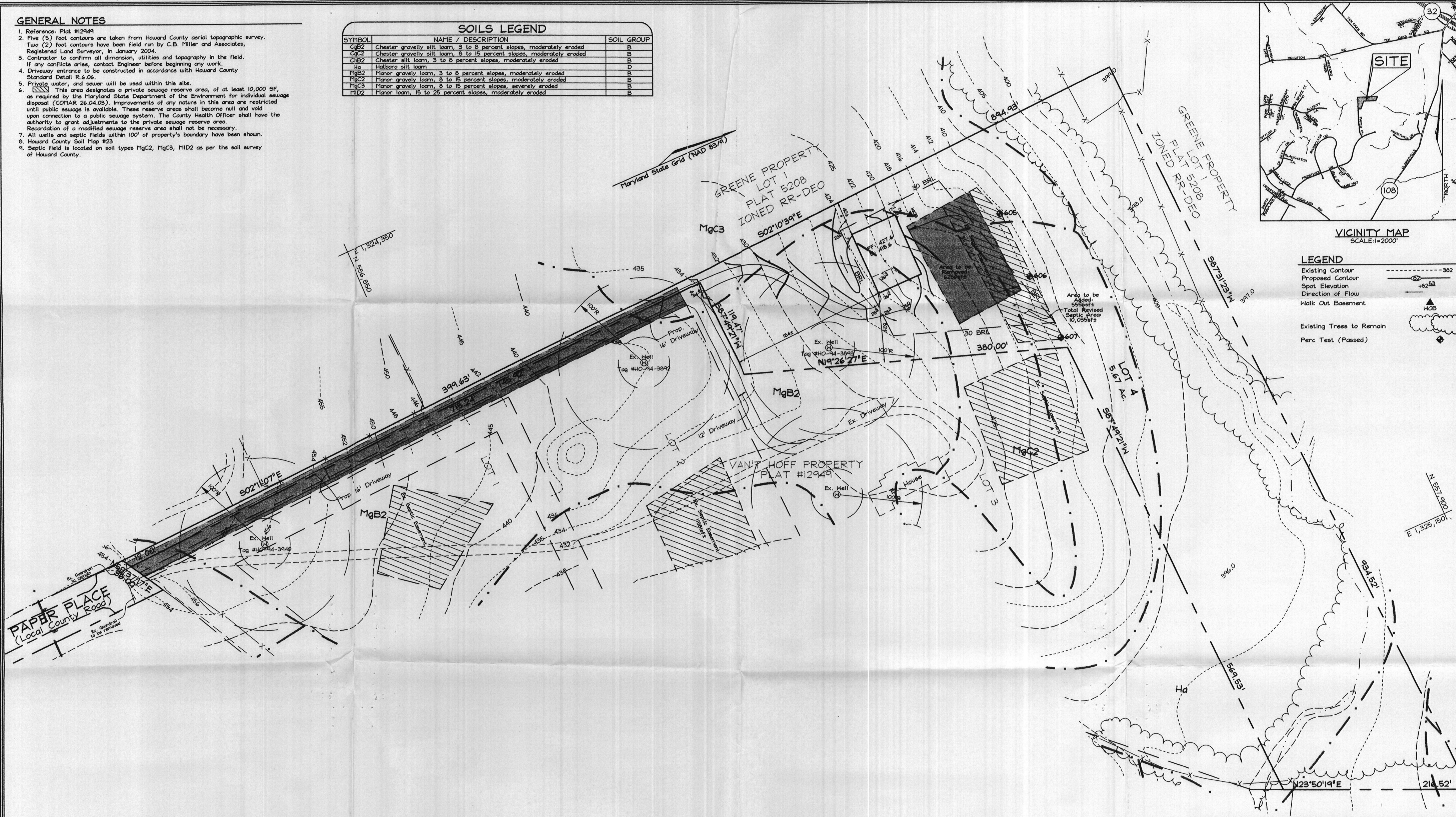
SOILS LEGEND		
SYMBOL	NAME / DESCRIPTION	SOIL GROUP
CgB2	Chester gravelly silt loam, 3 to 8 percent slopes, moderately eroded	B
CgC2	Chester gravelly silt loam, 8 to 15 percent slopes, moderately eroded	B
ChB2	Chester silt loam, 3 to 8 percent slopes, moderately eroded	B
Ha	Harris silt loam	D
MgB2	Manor gravelly loam, 3 to 8 percent slopes, moderately eroded	B
MgC2	Manor gravelly loam, 8 to 15 percent slopes, moderately eroded	B
MgC3	Manor gravelly loam, 8 to 15 percent slopes, severely eroded	B
MID2	Manor loam, 15 to 25 percent slopes, moderately eroded	B



VICINITY MAP  
SCALE: 1:2000

**LEGEND**

- Existing Contour: ---
- Proposed Contour: - - -
- Spot Elevation: +82.52
- Direction of Flow: --->
- Walk Out Basement: [Hatched Area]
- Existing Trees to Remain: [Cloud-like symbols]
- Perc Test (Passed): [Diamond symbol]

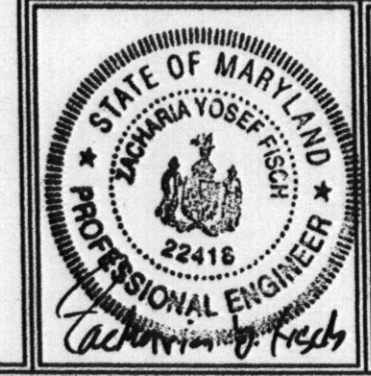


APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS IN ACCORDANCE WITH THE MASTER PLAN OF HOWARD COUNTY

*[Signature]* 7/20/04  
COUNTY HEALTH OFFICER  
HOWARD COUNTY HEALTH DEPARTMENT

**OWNER/DEVELOPER**  
GREENFIELD HOMES, Inc.  
6656 Luster Drive  
Highland, Maryland 20777  
410.781.6782

**PERCOLATION CERTIFICATION PLAN**  
**VAN'T HOFF PROPERTY**  
**LOT 4**  
TAX MAP 34 GRID 17  
5TH ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND



**FSH Associates**  
Engineers Planners Surveyors  
8318 Forest Street, Ellicott City, MD 21043  
Tel: 410-750-2251 Fax: 410-750-7350  
E-mail: FSHAssociates@cs.com

DESIGN BY: ...  
DRAWN BY: ...  
CHECKED BY: ...  
SCALE: 1"=50'  
DATE: June 17, 2004  
H.O. No.: ...  
SHEET No.: 1 of 1



GREENE PROPERTY  
LOT 1  
PLAT 5208

EX. CREEK

N 87°31'23" E 934.52'

EX. CREEK

*perc cert location  
but not  
staked  
by survey of  
FCC*

75' STREAMBANK BUFFER

100 YEAR FLOODPLAIN  
25' WETLANDS  
BUFFER

WETLANDS 569.53'

75' STREAMBANK BUFFER

LIMIT OF WETLANDS

EX. CREEK

GREENE PROPERTY  
LOT 1  
PLAT 5208

LOT 4  
5.7466 ACRES

LOT 3  
4.6170 ACRES

EX. HOUSE

EX. WELL

*Copy of Signed  
Perc. Cert.  
Van't Hof Property*

NAECKER PROPERTY  
LOT 1  
PLAT 4289

LOT 2  
3.4544 ACRES

*3/19/04  
KN*

*1st  
PROPOSED  
Site  
(DRY)*

*2nd 18" well  
drilled - dry*

*SEE  
ATTACHED*

