



APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____

AP 538131

AGENCY REVIEW: _____

DATE 11-15-12

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) Bradley Glassner

DAYTIME PHONE 410-792-8018 CELL _____ FAX _____

MAILING ADDRESS 7250 Meadow Wood Way Clarksville Md 21029
STREET CITY/TOWN STATE ZIP

APPLICANT Fogle's Septic Clean

DAYTIME PHONE 410-795-5670 CELL _____ FAX 410-795-3432

MAILING ADDRESS 580 Obrecht Rd Sykesville Md 21784
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION
SUBDIVISION/PROPERTY NAME 7250 Meadow Wood Way LOT NO. 5

PROPERTY ADDRESS Simpson Woods
STREET TOWN/POST OFFICE

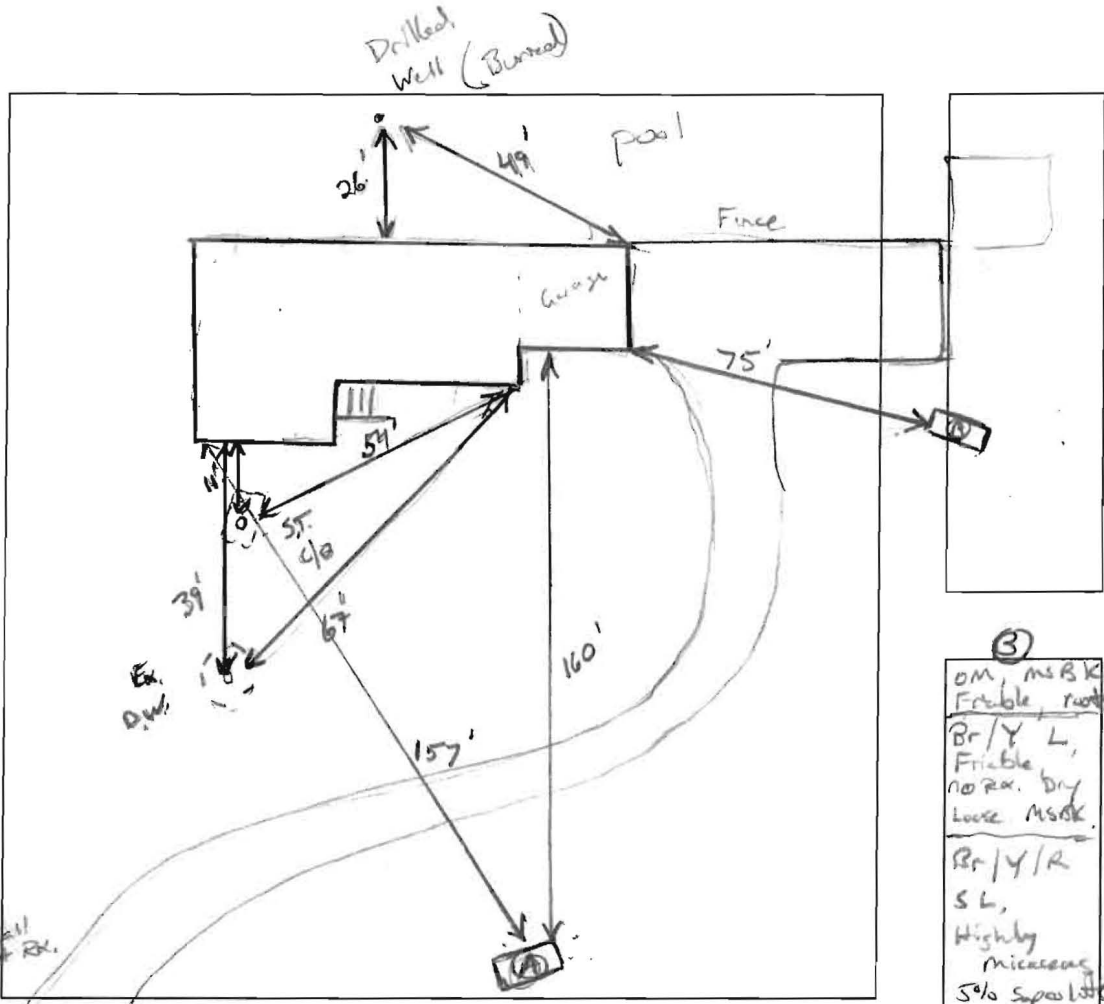
TAX MAP PAGE(S) 41 GRID 8 PARCEL(S) 423 PROPOSED LOT SIZE _____

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]
SIGNATURE OF APPLICANT

HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM
7178 COLUMBIA GATEWAY DRIVE COLUMBIA, MARYLAND 21046 (410) 313-2640 FAX (410) 313-2648
TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH



(A)
 10"
 4"
 11"
 15'
 on Topsoil leaf litter
 Br/L, slightly sticky
 1/4" ribbons cherry, roots
 Br/L/Y L Friable, sticky
 WK, platy horizontal, many mica. Friable getting moist
 caving, H₂O seepage

(3)
 12"
 4'-5'
 15'
 OM, mBk. Friable, roots
 Br/Y L, Friable, no rx. Dry Loose. Msdk.
 Br/Y/R SL, Highly micaceous 5% spherulite

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
11/29/12	(A)	6' / 15'	12:02	12:08	12:17	9	P
	(B)	5' / 15'	1:08	1:09	1:11	2	P
		re pour	1:11	1:14	1:17	3	P

2 potential systems given, one just below driveway
 other on right most part of property

REMARKS _____
 SANITARIAN K. Wolf BACKHOE Jake = Fogly OTHERS Helper
 TEST HOLES USED IN SDA 2 AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH 2' INLET DEPTH 2' MAX. BOT DEPTH 7' EFFECTIVE SW 4-7 (-4)

$4(150) = 600 \div 0.8 = 750 \div 2 = 375 (.44) = 165LF$

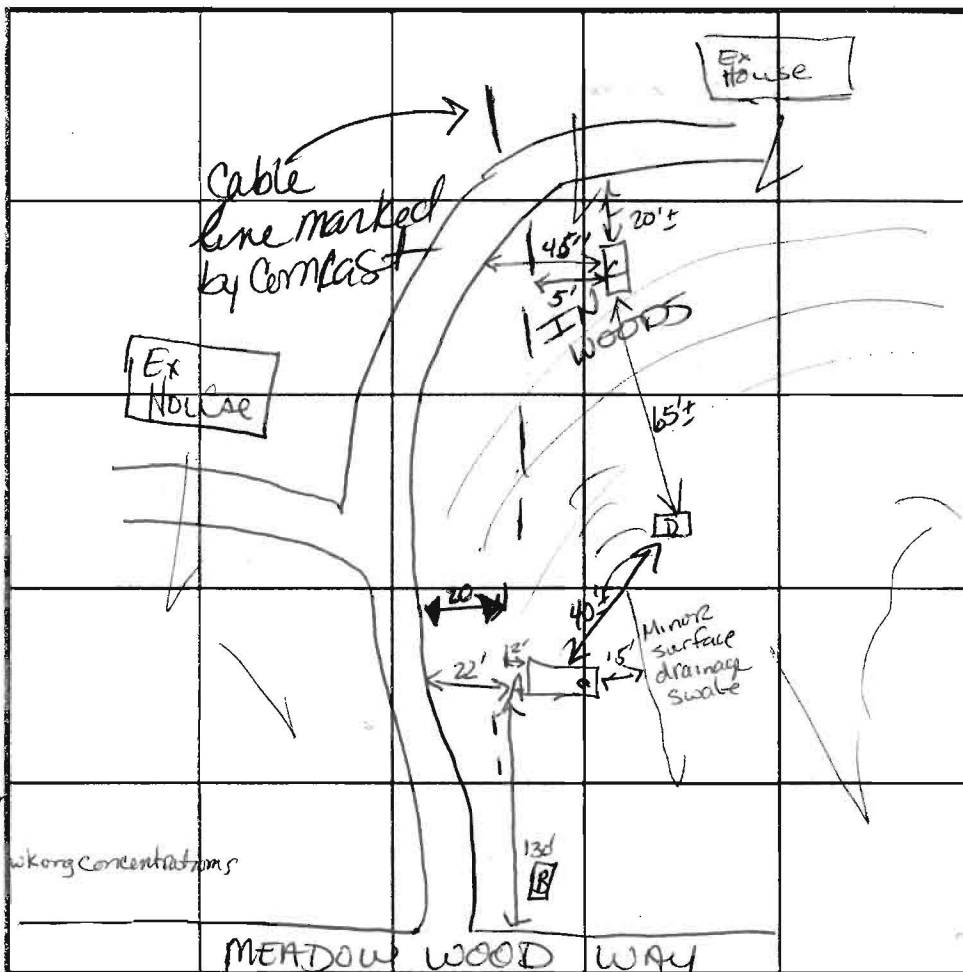
COUNTY #

SOIL PROFILE

0' (A)
 Roots
 Str. brn
 Sloam 25%
 1' w sbk
 Fine micac
 Sand
 pockets of
 2M platy
 structure
 w s.g.
 structure
 v. micac
 str brn SAND
 wk & hard
 sep. frags
 cherty 25%
 Bottom 13'

(B)
 Lt Brn
 3M platy / f granular
 L-SiL
 Roots
 bluish grey matrix few
 few roots
 org v. micac
 SiL-fSL
 holds balls
 3c platy structure
 wk
 Saprolite 20%
 Running
 water
 @ 7'

(C)
 wk
 org brn granular
 2M platy
 Roots prominent
 str brn org
 wk platy
 roots
 2 1/2'
 str brn org
 SiL-wk massive
 v. micaceous
 coarse lg Mn nodules
 Sand
 massive
 s. grains
 Saprolite 30%
 from sheet
 @ 10' water



SOIL PROFILE

0' (C)
 4' below
 coarse
 Sand
 str org
 white
 brn
 Water
 saturation
 @ 9 1/2'
 12' Bottom
 (D)
 5 1/2' dk brn
 gr. struct.
 wet
 gley color
 Matrix
 str. org
 v. micaceous
 2 1/2'

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
7-19-04	(A)	3 1/2' B	10:35	10:37	"	10:40+	3' OK
	(B)	hydraic mottles @ 2' ↓ stops @ root AE layer.					
	(C)	water seeping in @ 10' after 1" drop open					
	(D)	Main surface drainage					
Engineer percolation test plan mostly accurate, however surface drainage swales NOT SHOWN							

REMARKS BROAD low-lying area w/ surface stone
 TYPE OF SOIL post hole digger size
 TESTED BY Karen Roman ALSO PRESENT Fyork
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____
 INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT./BEDROOM _____

APPLICATION

PERCOLATION TESTING

A 518517

P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2840

DISTRICT _____

DATE 1/21/2003

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 Thomas J. D'Amato

ADDRESS 7250 MEADOW WOOD WAY PHONE (301) 498-3109

AGENT OR PROSPECTIVE BUYER N/A

ADDRESS N/A PHONE N/A

PROPERTY LOCATION:

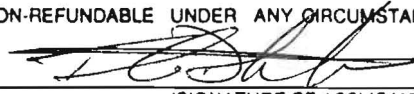
SUBDIVISION SIMPSON WOODS LOT NO. 6

ROAD AND DESCRIPTION _____

TAX MAP 41 PARCEL # 423

SIZE OF LOT 1.115 AC TYPE BLDG. SFD
(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.



(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

DISAPPROVED BY _____ FOR _____ DATE _____

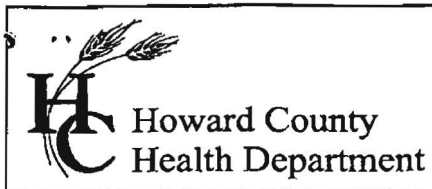
HOLD PENDING FURTHER TESTS _____

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



3525 H Ellicott Mills Drive, Ellicott City, MD 21043
(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

July 21, 2004

Mr. Tom D'Amato
7250 Meadow Wood Way
Ellicott City, Maryland 21042

RE: **Percolation Test Results**
Application: A518517
Proposal: Percolation Testing of Non-buildable Lot
Simpson Woods, Lot 6
Tax Map: 41 Parcel: 423

Dear Mr. D'Amato:

Percolation testing was conducted on the above referenced property July 19, 2004. A copy of the test results is enclosed for your records. The test holes evaluated were found to be unsatisfactory due to drainage swales created by natural surface drainage, hydric mottles near ground surface down to standing water, and saturated soils around 10 feet containing water seepage.

Inspection of surrounding topography within view of the excavated test holes indicates future proposed percolation testing for conventional septic systems will provide the same results due to the large area of high water table located in the vicinity. Although soils near the surface are conducive for absorbing effluent in test hole #A, slopes greater than 12 percent prevents any future testing for sand mound systems. Percolation test hole #B is conducive for sand mound testing; however, enough area with less than 12 percent slopes must be avail for three sand mound systems.

Should you wish to further pursue an attempt to subdivide the above referenced property, it shall be necessary for a licensed surveyor to submit a revised percolation test plan. This test plan should include actual locations and elevations of all excavated test holes, relevant landscape features and field-matched topography, along with a revised proposal.

As an additional, important note, the current septic system for the existing house, Simpson Woods, Lot 5, Section 2, address 7250 Meadow Wood Way, is currently failing. Inspection of the dry well shows septic effluent one foot below grade and evidence of septic discharge reaching above grade into the cleanout pipe. It also appears that natural grade for the existing septic system has been greatly compromised by additional fill added on top creating some slopes of 20 and 25 percent, and a cable easement runs through the septic area as well. COMAR regulation 26.04.02.04(F) states that the septic easement shall be void of other easements, rights-of-way, and any other physical or permanent objects.

Our office understands that a lot line has been established for the above mentioned lots, however, we strongly recommend revising the location of the lot line to incorporate the highest elevation of soils on lot six to be used for your septic repair currently in need or for future repair.

Sincerely,



Kacie Noonan, R.S.
Water and Sewerage Program

KN

Enclosure

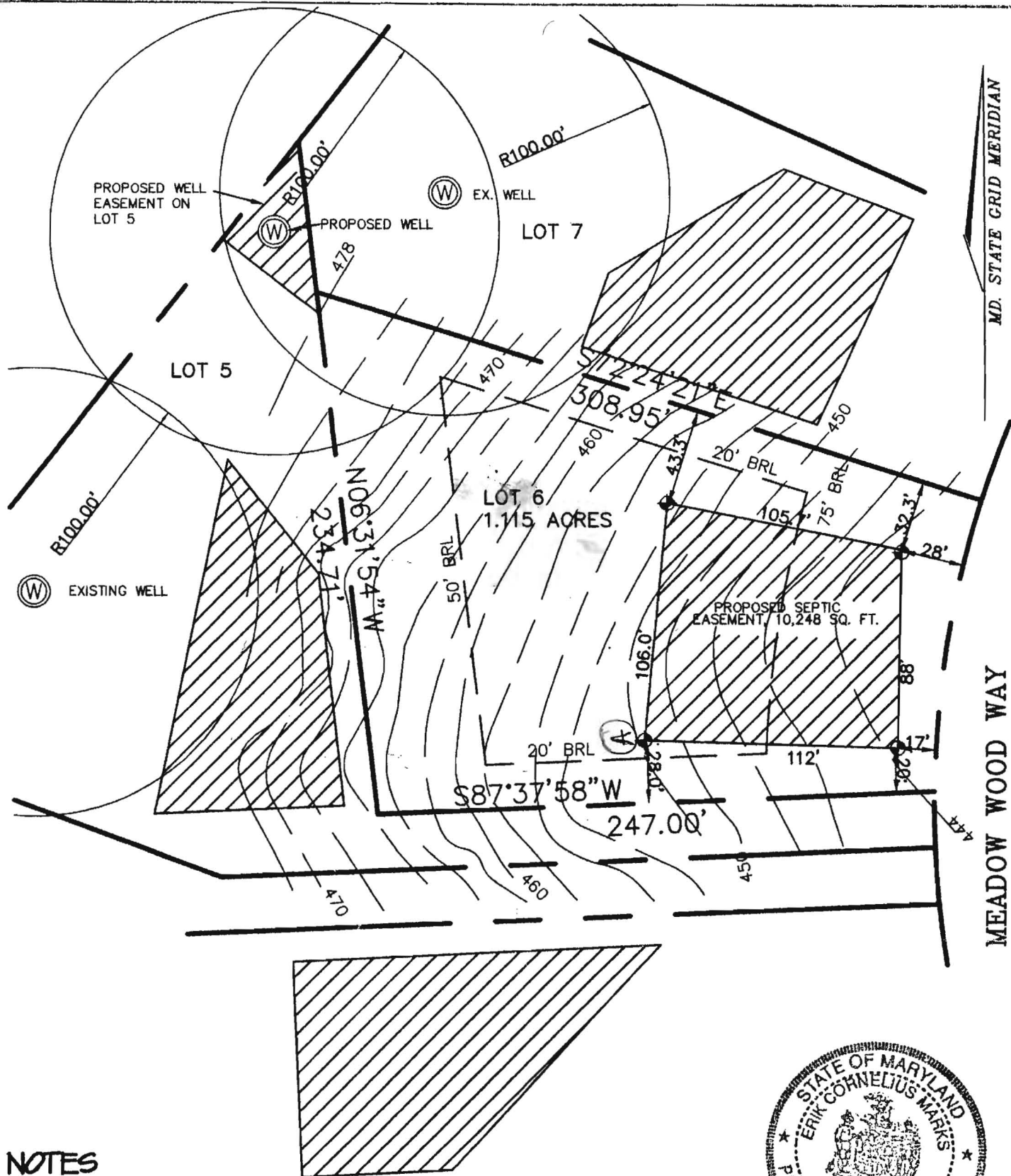
Cc: file

B/A Angered in area of visible surface Swales

Frozen 3"
 brn wkrdbrn micaceous granular Loam
 12"
 rd brn mica $\approx 40\%$ SL
 ↓
 22"
 grey black dk brn rock frag organic in appearance
 2mm thick + size of silver dollar
 LOAM 26"
 No roots in 4" layer
 tan wkrdbrn moist Loam 28"
 refusal - PVC pipe??
 hot hard surface sounds hollow

C Angered hole out of swale ...
 20' from dry well c/o
 11' from hole B

brn, tan, wk rd brn ^{30%} v. mica ^{40%} Loam
 23"
 tan rd brn SL mica 45%±
 1 stone frag encountered
 28"
 HARD Rock?
 SOUNDED Hollow through.



NOTES

1. THE CONTOURS SHOWN HEREON ARE BASED ON HOWARD COUNTY AERIAL PHOTOGRAPHY DATED APRIL , 1998
2. SITE ADDRESS: LOT 6, SECTION 2, SIMPSON WOODS
3. EXISTING ZONING IS RR-DEO
4. CORNERS OF PROPOSED SEPTIC EASEMENT, SHOWN HEREON HAVE BEEN STAKED IN THE FIELD BY MARKS & ASSOC. LLC ON MAY, 2003.
5. ALL EXISTING WELLS AND SEPTIC EASEMENTS HAVE BEEN SHOWN WITHIN 100' OF THE SITE TO THE BEST OF OUR KNOWLEDGE.
6. THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.



7. THIS AREA DESIGNATES A MINIMUM 10,000 SQUARE FOOT PRIVATE SEWAGE EASEMENT REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL, IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWAGE IS AVAILABLE. THESE EASEMENTS SHALL BE NULL AND VOID UPON CONNECTION TO A PUBLIC SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES FOR ENCROACHMENT INTO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY.



LEGEND

- EXISTING 2 FOOT CONTOURS ——— 262 ———
- PROPOSED PERC TEST HOLE ⊕

RECORD REFERENCES

LIBER/FOLIO _____
 PLAT BOOK 3878 _____
 PLAT NO./FOLIO _____

SCALE 1"=60'
 DATE 5/14/04

PERCOLATION PLAT

LOT 6, SECTION 2
 SIMPSON WOODS
 HOWARD COUNTY
 MARYLAND

MARKS & ASSOCIATES

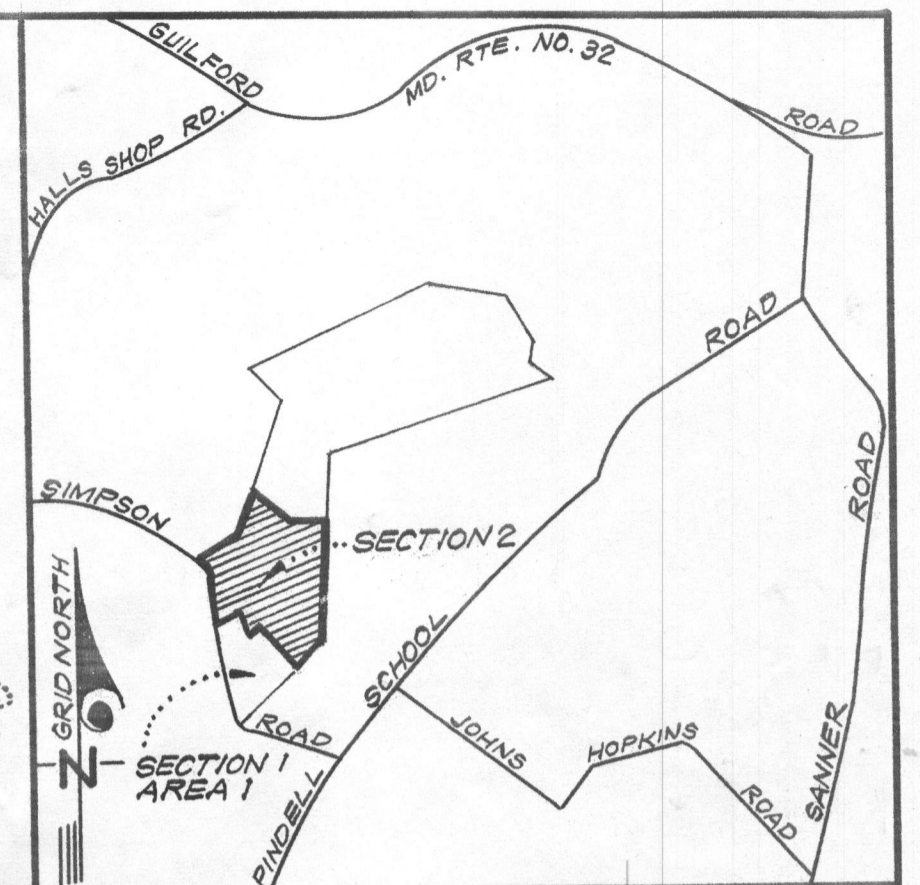
CONSULTING -SURVEYORS-PLANNERS
 4531 COLLEGE AVENUE ELICOTT CITY, MARYLAND
 TELEPHONE (410)747-8738 FAX (410)747-8739

Erik C. Marks

ERIK C. MARKS R.P.L.S. #607

CURVE DATA						
NOS.	RADIUS	Δ	ARC	TAN	CHORD	BEARING
28-29	350.00	14°12'33"	86.80	43.62	86.58	N18°12'27"W
39-40	310.00	59°06'05"	319.77	175.75	305.78	N04°58'25"W
41-42	400.00	59°16'11"	413.78	227.55	395.58	N04°53'22"W
43-44	450.00	59°16'11"	465.50	256.00	445.02	S04°53'22"E
45-46	260.00	59°06'04"	268.19	147.40	256.46	S04°58'25"E
48-49	151.61	17°59'58"	47.63	24.01	47.43	N02°06'13"W

- NOTES:**
- All coordinates shown hereon are based on the Maryland State Grid System.
 - This area designates a private sewage easement of approximately 10,000 square feet as required by the Maryland State Health Department for individual sewage disposal. Improvements of any nature in this area are restricted until public sewerage is available and servicing any residential structure constructed on these building sites. This easement shall become null and void upon connection to a public sewage system.
 - Maintenance of all storm drain easements and/or drainage easements shown hereon are the responsibility of the property owner, its successors and assigns.
 - Denotes 4"x4" Concrete Monuments.
 - Lots 3, 6, 8, 13 and 14 are non-buildable until further testing and approval by the Howard County Health Dept.
 - For Lots 4, 5, 11 and 12, refuse collection, snow removal and road maintenance easements are provided to the junction of the flag or pipe stem and the road right-of-way line only and not onto the flag or pipe stem lot driveway.
 - Lots 9 and 11 are not affected by the 100 Year Flood Plain.
 - Lot 1 house site restricted due to minimum elevation of existing house sewer of 492.0



COORDINATE SCHEDULE		
NO.	NORTH	EAST
1	487 806 .60	821 487 .34
2	487 811 .41	821 511 .87
3	487 875 .92	821 840 .60
4	487 617 .84	821 891 .24
12	487 525 .90	822 092 .27
13	487 505 .11	822 137 .74
14	487 468 .26	822 120 .88
15	487 541 .74	822 397 .52
28	488 127 .91	821 424 .28
29	488 210 .15	821 397 .23
30	488 280 .33	821 452 .29
31	488 937 .64	821 967 .95
32	488 823 .44	822 215 .71
33	488 834 .69	822 220 .89
34	488 813 .76	822 266 .30
35	488 902 .82	822 652 .23
36	487 603 .41	822 606 .92
37	487 580 .23	822 588 .37
38	487 767 .23	822 284 .91
39	487 806 .92	822 275 .77
40	488 111 .55	822 249 .26
41	488 190 .97	822 194 .62
42	488 585 .11	822 160 .91
43	488 606 .04	822 115 .50
44	488 162 .64	822 153 .43
45	488 083 .21	822 208 .07
46	487 827 .72	822 230 .30
47	487 619 .90	822 199 .45
48	488 112 .12	821 452 .86
49	488 159 .52	821 451 .12
50	488 170 .87	821 477 .43
51	487 746 .59	822 165 .92
52	487 710 .74	822 176 .80
53	487 684 .31	822 219 .70
54	487 693 .93	822 251 .38
55	487 517 .29	822 538 .00

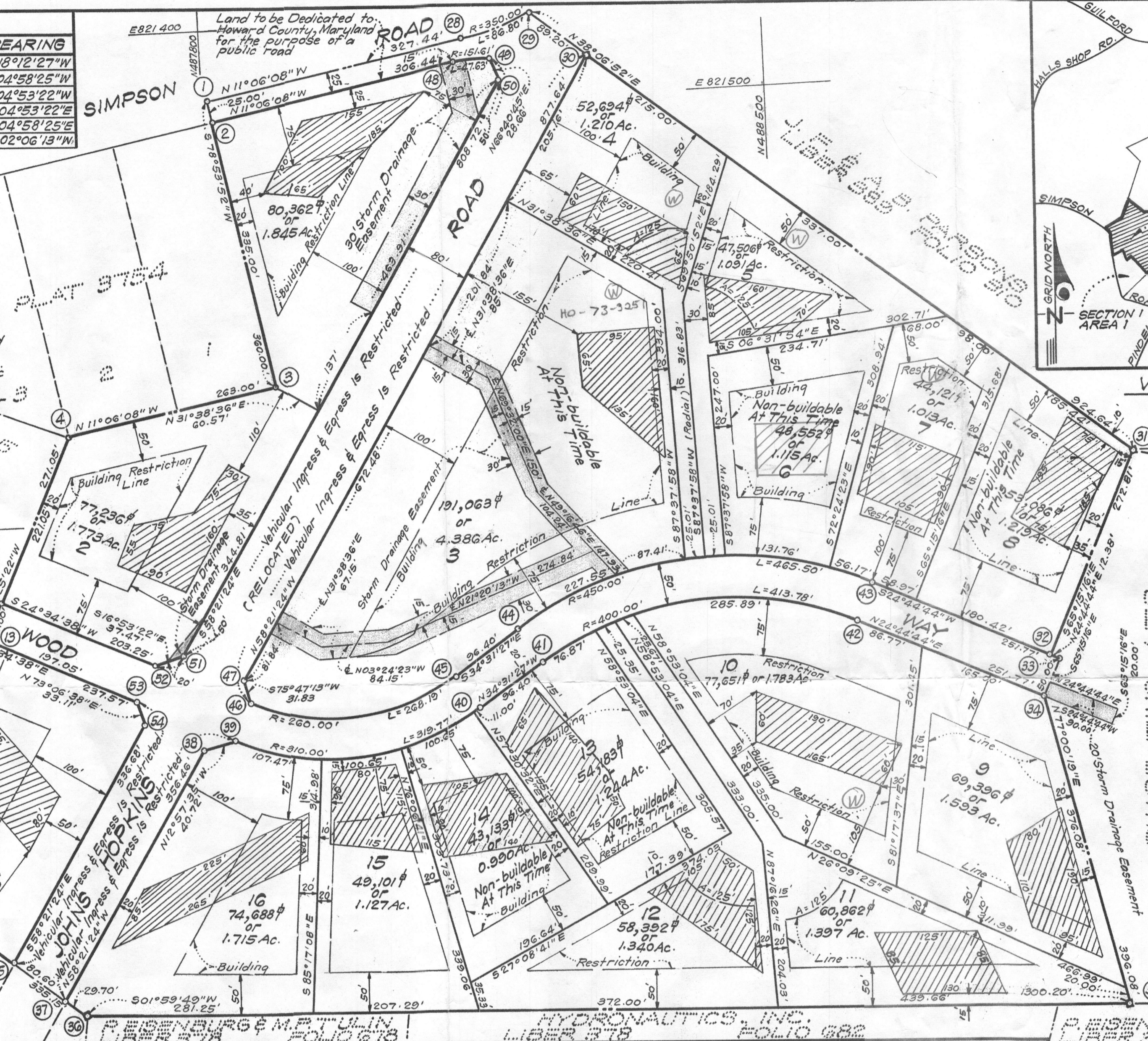
TABULATION OF FINAL PLAT

(1) Total number of lots and/or parcels to be recorded: 17

(2) Total area of lots and/or parcels: 26.676 Acres.

(3) Total area of roadways to be recorded including widening strips: 4.268 Acres.

(4) Total area of subdivision to be recorded: 30.944 Acres.



APPROVED: FOR PRIVATE WATER & PRIVATE SEWERAGE SYSTEMS HOWARD CO. HEALTH DEPT.

[Signature] 10-17-77
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING

[Signature] 10-18-77
DIRECTOR DATE

APPROVED: FOR STORM DRAINAGE SYSTEMS & PUBLIC ROADS HOWARD CO. DEPT. OF PUBLIC WORKS

[Signature] 10-18-77
DIRECTOR DATE

OWNERS' DEDICATION

We, Phase Two, Ltd., a Maryland Corporation, by Alan C. Borg, President, owners of the property shown and described hereon, hereby adopt this plan of subdivision, and in consideration of the approval of this Final Plat by the Office of Planning and Zoning, establish the minimum building restriction lines and grant unto Howard County, Maryland, its successors and assigns (1) the right to lay, construct and maintain sewers, drains, water pipes and other municipal utilities and services, in and under all roads and street rights-of-way and the specific easement area shown hereon, (2) dedicate to public use the beds of the streets and/or roads and floodplains and open space where applicable, and for One Dollar (\$1.00) consideration hereby grant the right and option to Howard County to acquire the fee simple title to the beds of the streets and/or roads and floodplains and open space where applicable; (3) that no buildings or similar structure of any kind shall be erected on or over the said easements and rights-of-way, and (4) it is further agreed that maintenance of all waterways, drainage easements and/or floodplains, shown hereon are the responsibility of the property owner, its successors and assigns.

Witness my hand this 30th day of September, 1977.

[Signature] Witness
[Signature] ALAN C. BORG, President

SURVEYOR'S CERTIFICATE

I hereby certify that the Final Plat shown hereon is correct; that it is a subdivision of part of the lands obtained by Phase Two, Ltd., a Maryland Corporation, from The Howard Research and Development Corporation, a Maryland Corporation, by deed dated May 31, 1973 and recorded among the Land Records of Howard County, Maryland in Liber 638 at Folio 529, and that all monuments are in place as shown in accordance with the Annotated Code of Maryland, as amended.

9/30/77
Date

[Signature]
DONALD B. SACKETT
Registered Land Surveyor
Md. No. 6059

RECORDED AS PLAT 3878

On 10-18, 1977, Among The Land Records Of Howard County, Maryland

SIMPSON WOODS

LOTS 1 THRU 17
SECTION 2
SHEET 1 OF 1

5th Election District, Howard County, Maryland
Scale: 1"=100' SEPTEMBER, 1977

CLARK, FINEFROCK & SACKETT
ENGINEERS-PLANNERS-SURVEYORS
1315 LOCKWOOD DRIVE
SILVER SPRING, MD. 20904